LOCKHEED MARTIN
Aeronautics Company
FSCM 81755

REPORT NUMBER: 16PR070S
Date: 21 May 2003
Superseding: 16PR070R

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FINISH CODES FOR F-16 AIR COMBAT FIGHTER (Supplement to FPS-3001)

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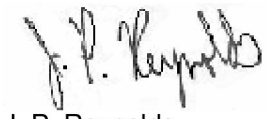
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FOR
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(Supplement to FPS-3001)

Prepared By:



J. P. Reynolds
Materials & Processes Integ. Analysis

Approved By:



R. V. Wolff
Materials & Processes Integ. Analysis

CHANGE INDEX

The following changes have been made to 16PR070 since the last revision.

Element/Code	Reason for Change
Added new finish codes A822, A823, A969-A975, S665-S668, T412	To provide new finish codes needed for various F-16 programs.
Re-added finish code T401	Inadvertently dropped from a prior revision.
Added new basic elements 408, 409, 553, 554, and 555	To support new finish code creation
Corrected finish code A813	Code was worded so that primer was not required in white painted areas
Updated finish code A801	Prior wording did not allow use of MIL-C-85285 urethane coating
Updated finish codes A476 and A478, and basic element 203	To provide finish requirements for fitting types not previously used in production
Updated basic elements involving touchup of primer	To include FMS-1058-1 as an authorized touchup primer.

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FINISH CODES FOR F-16 AIR COMBAT FIGHTER

1 SCOPE

1.1 PURPOSE - This report contains the finishing codes and related finishing combinations for use on F-16 aircraft in accordance with the requirements of FPS-3001. FPS-3001 is the basis for selection of codes that will be specified on engineering drawings. The drawings will reference FPS-3001 as the applicable document without reference to the revision letter. Reference herein to FPS-3001 shall be understood to refer to the current revision of FPS-3001 and Specification Change Notices (SCN's) attached thereto.

2 USE OF FINISH CODES

2.1 Codes within this document have been established for incorporation in the "FINISH" column of the Parts List (PL). Between formal revisions, changes and additions will be made by internal memo and will take effect once the memo is released by Materials and Processes Engineering. Finish codes shall be retained in this document for effectivity reasons even if the finish combination has become obsolete.

2.2 FINISH CODES - Finish codes are listed in Appendix A of this document. Appendix A is divided into sections, with each section listing the finish codes pertaining to a different class of substrate material. The sections are as follows:

Section A - Aluminum Alloys
Section D - Non-Corrosion Resistant Steel Alloys
Section E - Plastic, Glass Reinforced Plastic, and Graphite Composite
Section F – FSX/F-2 Special Use Codes
Section N - Copper and Nickel Alloys
Section R - Special Finishes
Section S - Corrosion Resistant Alloys
Section T - Titanium Alloys
Section W - Restricted Finishes

Each finish code consists of a letter prefix, designating basic substrate type, and a sequential three digit number, designating the individual finish sequence. In no instance shall the letter prefix of numbers be used separately in the Parts List. The finish for bonded assemblies containing multiple materials will be covered under codes in Section R. The finish codes translate the cleaning and finishing requirements of FPS-3001 for Engineering drawings and planning.

2.3 BASIC ELEMENTS - Each finish code consists of basic elements listed in steps that define the cleaning and surface treatment, and the paint coating requirements. The basic elements are listed in Appendix B. Finish codes for several alloys also provide basic elements for restoration of finish that was removed by planning required action only, after the part had been finished. Where Engineering assembly or installation drawings call for removing finish (e.g., for spotface), the drawing must specify in a note to restore finish by the restoration basic element. The designer should use the rationale given in Para. 2.4 for selecting the proper finish code for the part.

Selected surface treatment basic elements as shown in the finish codes which are peculiar to individual metals have been specified with a letter prefix when subsequent paint coatings are not applied, e.g., S146. This requires that the CRES part be passivated per FPS-3007, metal removal not permitted. These are shown in the applicable code sections.

2.4 SELECTION OF FINISH CODE - Selection of the proper finish code is directly related to the designer's knowledge of finish requirements as specified in the preceding section of this specification. The designer must be familiar with these contractual requirements and be governed by them rather than by a personal preference of finishes.

The following procedure and examples will be of benefit to the designer as a guide for selecting the proper finish for a design:

Step 1. Determine the physical location with respect to the aircraft of the part or component in question. FPS-3001 covers these areas in the following paragraphs as noted therein:

3.2 Basic Exterior Finish

3.3 Special Exterior Finish

3.4 Basic Interior Finish

3.5 Special Interior Finish

3.6 Special Finishes

Step 2. Determine the material of construction of the part or component. Subparagraphs of the above primary paragraphs specify requirements for aluminum, titanium, corrosion resistant alloys, plated parts, glass reinforced plastics, and graphite composites. Notice that the first requirement given refers to 3.1 of FPS-3001 for cleaning and surface treatment requirements. Cleaning options are incorporated in the finish codes and will not require a specific call-out on the Engineering Drawing.

Step 3. Determine the applicable surface treatment requirement as specified in 3.1 of FPS-3001. Subparagraphs of 3.1 specify requirements for aluminum, titanium, corrosion resistant steel, non-corrosion resistant steel, copper, nickel, magnesium alloys, glass reinforced plastics, and graphite composites.

Step 4. Determine the complete finishing requirements for the part or component by combining the above requirements and comparing these with Basic Element descriptions in front of the Finish Codes.

Step 5. Determine the proper code for the complete finishing requirement from the applicable section of this document and enter in the FINISH column of the PL.

NOTE: Due to the large number of "A", "D" and "S" finish codes, a cross-reference guide has been provided at the end of this section for quick access to applicable codes. It is emphasized that the guide is not a substitute for thorough examination of finish requirements, and the individual finish codes should always be consulted. The on-line Finish Code Data Base will have Code Selector Screens that will aid Engineers in obtaining finish codes.

RATIONALE AND EXAMPLES OF FINISH CODE SELECTION

EXAMPLE NO. 1 - Finish code for bare 2024-T851 fuselage longeron in non-fuel area.

Step 1 - Fuselage longeron should be Basic Interior finish, Para. 3.4 of FPS-3001.

Step 2 - Material of construction is bare 2024-T851 aluminum alloy. Para. 3.4.2 specifies finish for aluminum alloy. Para. 3.4.2(b) specifies finish for 2024 aluminum as follows:

(1) Clean and surface treat per 3.1.1(a).

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (2 coats).

Step 3 - Surface treatment requirement for aluminum is specified in 3.1.1, with noted exceptions in 3.1.1.1 through 3.1.1.5. None of the exceptions apply to this part. Surface treatment requirements are as follows:

(1) Clean with mild abrasives, solvents, vapor or solution degreasing, inhibited alkaline cleaners, or approved acid cleaners.

(2) Anodize per MIL-A-8625 Type I, or FPS-3090.

(The basic element for these is 111, which covers both cleaning and anodize.)

Step 4 - Complete finish requirements are:

(1) Clean per para. 3.1.1(a) and anodize per MIL-A-8625 Type I, or FPS-3090 (Basic element 111).

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 primer (2 coats) (Basic element 204).

Step 5 - Proper code for the complete finishing requirements, specified in A-Aluminum Alloys, is as follows:

A403 - PRIMER, BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS
A) ANODIZE ALL SURFACES PER 111.
A) PRIME ALL SURFACES TWO COATS PER 204 (OR 245).
A) TOUCH UP AS REQUIRED PER 236.

EXAMPLE NO. 2 - Finish Code for D6ac support bracket heat treated to 220-240 ksi F_{tu} and located interior in a non-fuel area with thermal environment less than 450°F with primer to be omitted in close tolerance holes.

Step 1 - Support bracket should be Basic Interior Finish, Para. 3.4 of FPS-3001.

Step 2 - Material of construction is D6ac steel, 220-240 ksi strength range. D6ac is a non-corrosion resistant steel alloy requiring plating (FPS-3001 Para. 3.1.4). Para. 3.4.5 specifies finish for plated alloys as follows:

(1) Clean and surface treat per 3.1 in accordance with alloy.

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (1 coat).

Step 3 - Surface treatment requirement for non-corrosion resistant steel alloys is specified in 3.1.4, with noted exceptions in 3.1.4.4 through 3.1.4.10. None of the exceptions apply to this part. Surface treatment requirements of 3.1.4.3 are as follows:

Clean per FPS-3001, Para. 3.1.4 and cadmium plate per the following specifications:

(1) FPS-1007, Grade B, Type II, Class 2 or

(1) MIL-C-8837, Type II, Class 2 as an alternate if vendor is not qualified for plating FPS-1007, Grade B.

(Both cleaning and cadmium plating are covered in basic elements 122 and 123.)

Step 4 - Complete finishing requirements are:

(1) Clean per FPS-3001, para. 3.1.4, and cadmium plate in accordance with FPS-1007, Grade B, Type II, Class 2 or vacuum cadmium plate per MIL-C-8837, Type II, Class 2, or coat per MIL-C-83488, Class 3, Type II, Aluminum Ion Vapor Deposition, followed by FPS-3083 glass bead peening. (Basic element 122 or 123.)

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 primer (1 coat) (Basic element 202).

Step 5 - Proper code for the complete finishing requirement, specified in D-Non-Corrosion Resistant Steel alloy is as follows:

D413 - ALLOY STEEL - (CADMIUM PLATE) PRIMER, HEAT TREAT RANGE 220-240 KSI
A) CADMIUM PLATE ALL SURFACES PER 122 OR 123.
A) PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
A) TOUCH UP AS REQUIRED PER 307.

The area of primer omission is specified on the drawing or in a general note.

2.5 EXTERIOR SURFACES OF THE AIRPLANE - FPS-3001 contains the specification requirements for the finishing of the exterior surfaces of the airplane. Where practical, the exterior skins and areas defined as exterior surfaces of the airplane shall be finished after assembly of the aircraft. It is usually necessary to finish reverse surfaces of the exterior skins that form the interior surfaces of the airplane at the detail level.

Drawing 16N0001, Finishing of F-16 Airplanes is the top assembly drawing of all the F-16 type-version painting drawings (also referred to as 16NXXXX). Each of the type-version painting drawings designates the specific finish to be applied to the exterior surfaces of the airplane in accordance with the specification requirements of FPS-3001. A special series of codes has been provided for the designer to enter on the PL for the purpose of finishing exterior skins whose reverse surface forms the interior surface of the airplane as given in the following examples:

EXAMPLE NO. 3 - Finish Code for bare 7475-T7351 fuel boundary with exposure of one surface to fuel and the other surface having a mixture of exterior exposed surface, finished after assembly, plus an area which is covered that requires interior prime only.

Step 1 - The requirements should be Basic Exterior Finish, Para. 3.2, for the exterior surface; Special Interior Finish, Para. 3.5.2, for the fuel surface; and portions of exterior surfaces are interior non-fuel area, Para. 3.4.2(b).

Step 2 - Material of construction is bare 7475-T7351 aluminum. Para. 3.2.2 specifies that the exterior finish for aluminum alloys is as follows:

(1) Clean and surface treat per 3.1.1.

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (1 coat).

(3) MIL-C-83286 or MIL-C-85285 Urethane Coating (2 coats) with color per 3.3.3.

Para. 3.4.2(b) specifies that the interior finish for non-clad 7000-series aluminum is as follows:

(1) Clean and surface treat per 3.1.1.

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (2 coats).

Para. 3.5.2 specifies finish for fuel tank interior as follows:

The inside surface of fuel tank area shall be finished with MIL-C-27725 coating and sealed to prevent corrosion and leakage of fuel per FPS-1004.

Step 3 - Surface treatment for aluminum is specified in Para 3.1.1, with noted exceptions in 3.1.1.1 through 3.1.1.5. None of the exceptions apply to this part. Surface treatment requirement is as follows:

(1) Clean with mild abrasives, solvents, vapor or solution degreasing, inhibited alkaline cleaners, or approved acid cleaners.

(2) Anodize per MIL-A-8625, Type I or FPS-3090.

(Both cleaning and anodizing are covered in basic element 111.)

Step 4 - Complete finishing requirements are:

Interior Surface - Fuel Tank

(1) Clean per FPS-3001, para. 3.1.1(a) and anodize per MIL-A-8625, Type I or FPS-3090 (Basic element 111).

(2) Apply fuel tank corrosion protective coating per FPS-1004, (Basic element 221).

Exterior Exposed Surface

(1) Clean per FPS-3001, para. 3.1.1(a) and anodize per MIL-A-8625 Type I or FPS-3090, per para. 3.1.1(b)(1) (Basic element 111).

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (1 coat) on areas specified (Basic element 202).

(3) MIL-C-83286 or MIL-C-85285 Urethane Coating (2 coats) in areas specified.

(FSD only - Exterior exposed surfaces will be anodized in detail, then recleaned after assembly per paragraph 3.7.19, primed and painted per drawing 16N0001 requirements. Production F-16A #7 and on, F-16B #3 and on, with earlier effectivity permitted, will have the exterior surfaces primed in detail and then painted per drawing 16N0001 requirements).

Interior Surface - Non-Fuel Area

(1) Clean per FPS-3001, para. 3.1.1(a) and anodize per MIL-A-8625 Type I or FPS-3090 per para. 3.1.1(b)(1), (Basic element 111).

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (2 coats), (Basic element 205).

Step 5 - Proper code for the complete finishing requirement, specified in Section A - Aluminum Alloys is as follows:

A703 - PRIMER, AMS-C-27725 FUEL TANK COATING, AND 16NXXXX FINISH, BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS WITH PART OF EXTERIOR SURFACE COVERED
- A) ANODIZE ALL SURFACES PER 111.
- A) APPLY AMS-C-27725 COATING TO INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- A) PRIME TWO COATS ON EXTERIOR COVERED SURFACE AS NOTED ON DRAWING PER 205 (OR 245).
- A) PRIME REMAINING EXTERIOR EXPOSED SURFACE ONE COAT PER 202.

A) FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
A) TOUCH UP AS REQUIRED PER 235, 236, 240, AND 242.

EXAMPLE NO. 4 - Clad 2024-T81 Exterior Skin - Non-fuel area

Step 1 - The requirements should be Basic Exterior Finish, Para. 3.2, for the exterior surface; and Basic Interior Finish, Para. 3.4, for the interior surface.

Step 2 - Material of construction is clad 2024-T81 aluminum alloy. Para. 3.2.2 specifies that the exterior finish for aluminum alloys is as follows:

(1) Clean and surface treat per 3.1.1.

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (1 coat).

(3) MIL-C-83286 or MIL-C-85285 Urethane Coating (2 coats) with color per 3.3.3.

Para. 3.4.2(a) specifies that the interior finish for clad aluminum alloys is as follows:

(1) Clean and surface treat per 3.1.1.

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (1 coat).

Step 3 - Surface treatment for aluminum is specified in Para 3.1.1, with noted exceptions in 3.1.1.1 through 3.1.1.5. None of the exceptions apply to this part. Surface treatment requirement is as follows:

(1) Clean with mild abrasives, solvents, vapor or solution degreasing, inhibited alkaline cleaners, or approved acid cleaners.

(2) Chemical film treat per MIL-C-5541.

(Both cleaning and chem film are covered in basic element 105.)

Step 4 - Complete finishing requirements are:

Interior Surface

(1) Clean per para. 3.1.1(a) and chemical film treat per MIL-C-5541 per para. 3.1.1(b)(3) (Basic element 105).

(2) Apply 1 coat FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (Basic element 201).

Exterior Surface

(1) Clean per para. 3.1.1(a) and chemical film treat per MIL-C-5541 per para. 3.1.1(b)(3) (Basic element 105).

(2) Apply 1 coat FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (Basic element 201).

(1) MIL-C-83286 or MIL-C-85285 Urethane Coating (2 coats).

(FSD only - Exterior exposed surfaces will be anodized in detail, then recleaned after assembly, per paragraph 3.7.19, primed and painted per drawing 16N0001 requirements. Production F-16A #7 and on, F-16B #3 and on, with earlier effectivity

permitted, will have the exterior surfaces primed in detail and then painted per drawing 16N0001 requirements.)

Step 5 - Proper code for the complete finishing requirement, specified in Section A - Aluminum Alloys is as follows:

A441- PRIMER AND 16NXXXX FINISH, CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS
A) CHEM FILM ALL SURFACES PER 105.
A) PRIME ONE COAT ALL SURFACES PER 201.
A) FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
A) TOUCH UP AS REQUIRED PER 235 AND 242.

2.6 SPECIAL CODES - Due to the complex nature of finishing required by certain parts, special codes have been provided. These codes will enable the designer to specify on the drawing the final finish of the part or component at the detail level.

2.6.1 There will be instances when the general nature of the part or component will require multiple colors or types of finishes. Under such circumstances each section of the coded document contains codes to be entered on the PL of the drawing that will combine individual finish codes.

2.7 ADDITIONAL CODES - In the event a special type of finish is required for which no code has been provided, the following procedure should be followed:

(1) Designers at LM Aero shall contact Materials and Processes Engineering for the establishment of new codes.

(2) Designers at all other facilities shall contact their Materials Engineering or Materials and Processes Engineering personnel for the establishment of new codes. Materials Engineering or Materials and Processes Engineering personnel shall contact the LM Aero Materials and Processes Engineering for new codes. In all instances, the new codes for materials and processes shall be consistent with the requirements of this specification.

2.7.1 SUPPLEMENTARY MATERIALS - Materials such as thread, electrical wire, fabrics, adhesives, etc., which do not require finishing and/or for which there are no codes assigned within this specification, shall be given a code of 0000 on the Parts List (PL) and other related documents.

2.7.2 OVERSPRAY - It is permissible for overspray of a colored topcoat or fuel tank coating onto adjacent primed surfaces which do not require a colored topcoat or fuel tank coating.

2.7.3 ADDITION OF PRIMER AND PAINT TO STANDARD PARTS DURING FINISHING OF ASSEMBLIES - In order to prevent excessive masking, it is permissible to prime and paint MS 21266 standard parts when they are riveted or bonded to an assembly, unless otherwise specified on the drawing. The standard parts must be primed and painted to match the assembly to which they are attached.

2.7.4 TOUCHUP - Areas of parts which are touched-up after installation will differ slightly in texture and color from original paint and/or prime finish. This difference is permissible.

2.7.5 COLOR NUMBER SUBSTITUTIONS - Due to changes made to FED-STD-595, the following color numbers may be substituted as follows.

(a) Color No. 17925 (white) may be substituted for Color No. 17875 (white).

3 REVISIONS AND CONTRACTUALITY

3.1 Formal revisions of Report 16PR070 will be in accordance with MIL-STD-480.

CROSS REFERENCE GUIDE TO ALUMINUM ALLOY FINISH CODES
SECTION A

	FINISH	2000 & 7000 SERIES	7000 SERIES & 2219	1000,3000,5000,6000 SERIES & CLAD	CASTINGS
No Top Finish	No Finish			100	100
	Anodize	111, 113H, 115H, 163B	111, 113H, 115H, 163B	111, 113H, 115H, 163B, 474H, 480	113H, 115H, 163B
	Chemical Film	134R, 797	134R, 797	134R, 176, 797, 875	134R, 797, 875
	Anodize and Chemical Film			854, 889H	
Single Finish	Primer	403, 405, 491, 520R, 664, 666, 884R, 823P	404, 406, 492, 520R, 562, 884R	401, 402, 455, 471, 478, 520R,527B, 869, 884R	407, 408, 483 520R, 656, 884R
	AMS-C-27725 Fuel Tank Coating	240R, 427, 542, 564, 629, 931	240R, 428, 429, 495	240R,426, 477, 482, 541	240R, 426, 477
	FMS-3014 Form 2 Adhesive Primer	800, 818H, 820, 870H	870H	805, 817, 819H, 821, 870H	805, 817, 819H, 821, 870H
	FMS-3011 Form II Adhesive Primer	686, 687			
	FMS-3018 Form II Adhesive Primer	300	300	300	300
	White Urethane	466, 468, 519R, 634H 873, 970R	467, 469, 519R, 536H, 970R	460, 473, 476, 485, 503, 519R, 678H, 874, 923, 959P, 970R	460, 503, 506H, 519R, 874, 959P, 970R
	White Acrylic Lacquer/White Urethane	616, 617, 619R	619R	614, 618, 619R, 620, 633	614, 615, 618, 619R
	White Teflon-Urethane			792	792
	Orange-Yellow Epoxy Enamel/ Orange-Yellow Urethane	533H	533H	533H	533H
	Lusterless Red Lacquer			641	
	Light Gray Urethane	681, 683, 851H		680, 682	680, 682
	Lusterless Gray Urethane	591, 601H, 602, 643R, 589R	589H, 601H, 643R	590, 601H, 603, 643R, 589H, 881	590, 601H, 643R, 589H, 881
	Gray Urethane	609, 610		861, 871	861, 871
	Dark Gray Urethane	565, 721	522, 523	578, 605, 723, 793	578, 605, 723, 793
	Medium Gray Teflon-Urethane			642	642
	Gray Epoxy Enamel/Gray Urethane	457, 458, 531H, 572, 579R, 607R, 645H	531H, 579R, 607R, 645H	456, 459, 470, 475, 502, 531H, 572, 579R, 607R, 645H, 781	459, 502, 531H, 572, 579R, 607R, 645H, 781
	Lusterless Black Urethane	580, 584, 638, 644H, 587H		581, 582, 640, 587H	581, 582, 587H
	P6096-2 Flat Black Urethane	535, 559, 597, 789, 915		560H, 570, 571, 604, 915	560H, 570, 571, 915
	Black Epoxy Enamel/Black Urethane	440, 509H, 529, 599, 882R	509H, 530, 532, 599, 882R	509H, 554, 599, 878, 879, 882R	509H, 526, 540, 554, 599, 879, 882R
	16NXXXX Finish	511, 514, 528R, 538R, 539, 567, 574	512, 515, 528R, 538R	513, 516, 517, 524, 528R, 538R, 543, 746, 887	513, 516, 517, 524, 528R, 538R, 545, 887
	Light Semi-gloss Gray Urethane	954		973	

CROSS REFERENCED GUIDE TO ALUMINUM ALLOY FINISH CODES (Cont'd)
SECTION A

	FINISH	2000 & 7000 SERIES	7000 SERIES & 2219	1000,3000,5000,6000 SERIES & CLAD	CASTINGS
Single Finish (Cont'd)	Solid Film Lubricant	508H, 544H, 557, 569, 646H	508H, 544H, 646H	508H, 544H, 646H, 674, 799	508H, 544H, 646H, 674, 799
	FMS-1058-1 Primer	868R, 876H, 890H, 924	868R	868R, 924	868R
Two Finishes Primer And...	AMS-C-27725 Fuel Tank Coating	432, 657, 862	433, 494	434, 479	507
	FMS-3014 Form 2 Adhesive Primer	816			
	White Urethane	461, 566, 662, 673, 786,796	462, 510	465, 782, 972	537, 782
	White Acrylic Lacquer/White Urethane	626		615	
	Orange-Yellow Epoxy Enamel/ Orange-Yellow Urethane	422		421	420
	Light Gray Urethane	852, 948P	575	672	672
	Lusterless Gray Urethane	598			
	Gray Urethane	613		895	
	Medium Gray Urethane	650			
	Dark Gray Urethane	720, 726H, 773, 944			722
	Medium Gray Teflon-Urethane			794	794
	Gray Epoxy Enamel/Gray Urethane	409, 645H, 654, 946	410	645H	411, 645H
	Lusterless Black Urethane	787		788, 888	788
	P6096-2 Flat Black Urethane	417	418	416, 891, 928R	419
	Blue Urethane	935, 936, 938		933, 934, 937	
	Black Urethane				504
	Black Epoxy Enamel/Black Urethane	413	414	412, 568	415
	16NXXXX Finish	442, 496, 499, 546,573, 576, 630, 655, 675, 677 702, 731, 742, 777C, 790H, 926, 951P, 966P	443, 496, 744	441, 481, 496, 608, 679, 745	444, 496, 547, 660, 679, 705, 745, 747
	Solid Film Lubricant	472, 859H		561	
	Nickel-Cadmium Plate			855W	
	Dark Gray Teflon-Urethane	963			
	Light Semi-gloss Gray Urethane	955P, 975P		956P	956P

CROSS REFERENCE GUIDE TO ALUMINUM ALLOY FINISH CODES (Cont'd)
SECTION A

	FINISH	2000 & 7000 SERIES	7000 SERIES & 2219	1000,3000,5000,6000 SERIES & CLAD	CASTINGS
Two Finishes, AMS-C-27725 Fuel Tank Coating and...	White Urethane	430, 439, 658, 671, 710	431, 556	438, 484	438, 484
	White Acrylic Lacquer/White Urethane	625			
	Lusterless Gray Urethane	592, 659			
	Gray Urethane	785			
	Gray Epoxy Enamel/Gray Urethane	550	552		
	Lusterless Black Urethane	583			
	Black Epoxy Enamel/Black Urethane	549			
	16NXXX Finish	436, 577, 741	437	435	435
	Solid Film Lubricant			562, 652	
Two Finishes, FMS-3014 Form 2 Adhesive Primer and ...	White Urethane	801, 810			
	Gray Urethane	809			
	16NXXXX Finish	803, 811, 812, 814			
Two Finishes Misc.	White Urethane and White Acrylic Lacquer/White Urethane	621			
	White Urethane and Lusterless Gray Urethane	593		606	606
	White Urethane and Gray Epoxy Enamel /Gray Urethane	490			
	White Urethane and Lusterless Black Urethane	596		600	600
	White Urethane and Black Epoxy Enamel/Black Urethane	518			
	White Urethane and 16NXXXX Finish	464, 505R, 632R, 712, 729H, 961R, 965P	505R, 553, 632R, 676L, 729H, 961R	463, 493, 505R, 632R, 676L, 729H, 925, 961R, 962P, 965P	463, 493, 505R, 521, 632R, 676L, 729H, 961R, 962P
	White Urethane and Solid Film Lubricant			778	
	White Acrylic Lacquer/White Urethane and Lusterless Gray Urethane	622			

CROSS REFERENCE GUIDE TO ALUMINUM ALLOY FINISH CODES (Cont'd)
SECTION A

	FINISH	2000 & 7000 SERIES	7000 SERIES & 2219	1000,3000,5000,6000 SERIES & CLAD	CASTINGS
Two Finishes Misc. (Cont'd)	White Acrylic Lacquer/White Urethane and Lusterless Black Urethane	624			
	White Acrylic Lacquer/White Urethane and 16NXXXX Finish	623, 628, 637, 648, 668, 964P	628	627, 628, 647	627, 628, 647
	White Acrylic Lacquer/White Urethane and P6194-1 Coating			651	651
	White Teflon-Urethane and 16NXXXX Finish	850			
	White Epoxy Enamel/ White Urethane and Black Epoxy Enamel/ Black Urethane			649	
	Light Gray Urethane and 16NXXXX Finish	498, 947P		497, 949P	497, 949P
	Lusterless Gray Urethane and 16NXXXX Finish	594		595	595
	Gray Urethane and 16NXXXX Finish	611R, 612, 684	611R	611R, 685, 688, 894	611R, 685, 894
	Dark Gray Urethane and 16NXXXX Finish	635, 636R, 856, 893, 974P	636R	500, 501, 636R	500, 636R
	Med. Gray Teflon-Urethane & 16NXXXX Finish	791			
	Gray Epoxy Enamel/Gray Urethane and P6096-2 Flat Black Urethane			548	548
	Gray Epoxy Enamel/Gray Urethane and 16NXXXX Finish	447	448	446	446
	Gray Epoxy Enamel/Gray Urethane and P6194-1 Coating			653	653
	Gray Epoxy Enamel/Gray Urethane and Solid Film Lubricant			555	555
	Black Epoxy Enamel/Black Urethane and P6096-2 Flat Black Urethane			877	877
	Black Epoxy Enamel/Black Urethane and Solid Film Lubricant			880	880
	Black Epoxy Enamel/Black Urethane and 16NXXXX	450	451	449	449, 715@
	P6096-2 Flat Black Urethane and 16NXXXX	453	454	452	452
	Lusterless Black and 16NXXXX	585		586	586
	Red Urethane and Solid Film Lubricant	872H	872H	872H	872H
	Solid Film Lubricant and FMS-1058-1 Primer	866H			
	FMS-3035 Flexible Primer and White Urethane	930	930	930	930

CROSS REFERENCE GUIDE TO ALUMINUM ALLOY FINISH CODES (Cont'd)
SECTION A

	FINISH	2000 & 7000 SERIES	7000 SERIES & 2219	1000,3000,5000,6000 SERIES & CLAD	CASTINGS
Three Finishes, Primer and...	AMS-C-27725 Fuel Tank Coating, and White Urethane	661, 708			
	AMS-C-27725 Fuel Tank Coating, and White Acrylic Lacquer/White Urethane	757			
	AMS-C-27725 Fuel Tank Coating, and Black Epoxy Enamel/ Black Urethane	737			
	AMS-C-27725 Fuel Tank Coating, and 16NXXXX Finish	665, 701, 703, 734, 863	704		940
	AMS-C-27725 Fuel Tank Coating and Solid Film Lubricant	864H, 865			
	FMS-3014 Form 2 Adhesive Primer, and White Urethane	815			
	FMS-3014 Form 2 Adhesive Primer and 16NXXXX Finish	804			
	White Urethane and White Acrylic Lacquer/White Urethane	667, 767			
	White Urethane and Lusterless Gray Urethane	779			
	White Urethane and 16NXXXX Finish	717, 727, 764, 783, 798, 885H, 927, 971P	885H	853, 885H	754, 763, 885H
	White Acrylic Lacquer/White Urethane and Lusterless Gray Urethane	761			
	White Acrylic Lacquer/White Urethane and 16NXXXX Finish	758			769
	Light Gray Urethane and 16NXXXX Finish				886
	Light Gray Urethane and Dark Gray Teflon-Urethane		743		
	Lusterless Gray Urethane and 16NXXXX Finish	776			753
	Dark Gray Urethane, and 16NXXXX Finish	669H, 774H, 795R, 952HP	795R	795R	771, 795R, 950P
	Light Semi-gloss Gray Urethane and 16NXXXX Finish	958HP			957P

CROSS REFERENCE GUIDE TO ALUMINUM ALLOY FINISH CODES (Cont'd)
SECTION A

	FINISH	2000 & 7000 SERIES	7000 SERIES & 2219	1000,3000,5000,6000 SERIES & CLAD	CASTINGS
Three Finishes, Primer and... (Cont'd)	Dark Gray Urethane, and Solid Film Lubricant	780	730		
	Dark Gray Teflon-Urethane, and 16NXXXX Finish		732		
	Gray Urethane, and 16NXXXX Finish	929			
	Black and Orange-Yellow Epoxy Enamel or Urethane Stripes	425		424	423
	16NXXXX Finish, and Solid Film Lubricant	740, 772H, 858H, 860	772H	772H	772H
Three Finishes, AMS-C-27725 Fuel Tank Coating and...	White Urethane and White Acrylic Lacquer/White Urethane	770			
	White Urethane and Lusterless Gray Urethane	749			
	White Urethane and Black Epoxy Enamel/Black Urethane	736			
	White Urethane and 16NXXXX Finish	711			
	White Acrylic Lacquer/White Urethane and 16NXXXX Finish	760			
	Light gray Urethane, and 16NXXXX Finish		735		
	Lusterless Gray Urethane and 16NXXXX Finish	748			
	Lusterless Black Urethane, and 16NXXXX Finish	751			
	Black Epoxy Enamel/Black Urethane and 16NXXXX Finish	725			
Three Finishes, FMS-3014 Form 2 Adhesive Primer and...	White Urethane and 16NXXXX Finish	807			
	White Acrylic Lacquer/White Urethane and 16NXXXX Finish	813			

CROSS REFERENCE GUIDE TO ALUMINUM ALLOY FINISH CODES (Cont'd)
SECTION A

	FINISH	2000 & 7000 SERIES	7000 SERIES & 2219	1000,3000,5000,6000 SERIES & CLAD	CASTINGS
Three Finishes Misc.	White Urethane, White Acrylic Lacquer/White Urethane, and Lusterless Gray Urethane	766			
	White Urethane, Lusterless Gray Urethane, and Lusterless Black Urethane	755			
	White Urethane, Lusterless Gray Urethane, and 16NXXXX Finish	750		752	752
	White Urethane, Solid Film Lubricant, and 16NXXXX Finish	713H, 857H	713H	713H	713H
	White Acrylic Lacquer/White Urethane, Lusterless Gray Urethane, and Lusterless Black Urethane	762			
	White Acrylic Lacquer/White Urethane, Lusterless Gray Urethane, and 16NXXXX Finish	759		756	756
	White Acrylic Lacquer/White Urethane, Lusterless Black Urethane, and 16NXXXX Finish	765			
Four Finishes Misc.	Primer, AMS-C-27725 Fuel Tank Coating, White Urethane, and 16NXXXX Finish	707, 716, 739	724, 738		932
	Primer, FMS-3014 Form 2 Adhesive Primer, White Urethane, and 16NXXXX Finish	808			
	Primer, White Urethane, White Acrylic Lacquer/White Urethane, and 16NXXXX Finish	775			
	Primer, AMS-C-27725 Fuel Tank Coating, White Acrylic Lacquer/White Urethane, and 16NXXXX Finish	943			

CROSS REFERENCE GUIDE TO ALUMINUM ALLOY FINISH CODES (Cont'd)
SECTION A

	FINISH	2000 & 7000 SERIES	7000 SERIES & 2219	1000,3000,5000,6000 SERIES & CLAD	CASTINGS
Four Finishes Misc.	Primer, White Acrylic Lacquer/White Urethane, Lusterless Gray Urethane, and 16NXXXX Finish			784	784
	AMS-C-27725 Fuel Tank Coating, White Urethane, White Acrylic Lacquer/White Urethane and Lusterless Gray Urethane	768			
Five Finishes Misc.	Primer, AMS-C-27725 Fuel Tank Coating, White Urethane, Gray Teflon-Urethane, and 16NXXXX Finish		706		
	Primer, AMS-C-27725 Fuel Tank Coating, White Urethane, 16NXXXX Finish, and FMS-1058-1 Primer	867			

MISCELLANEOUS		
DESCRIPTION	**NO FINISH**	**SPECIAL FINISHES**
DETAIL OF BONDED ASSEMBLY	103	
DETAIL OF WELDED ASSEMBLY	104	
ADHESIVE BONDED ASSEMBLIES		486, 487, 488, 489, 639
AERODYNAMIC SEALS		712, 713H
HINGED ACCESS PANELS		630, 631, 632, 883
NAMEPLATE OVERCOAT, CLEAR ACRYLIC LACQUER PER MIL-L-19537		275
WINGS SKINS		706, 707, 739, 867, 868
ALUMINUM TUBING ASSYS		470, 471, 473 - 482, 484, 485, 620, 652, 822, 853, 854, 889, 896, 923, 972
ADHESIVE BONDED ASSYS		486 – 489
PROTECTIVE SHIPPING PAPER		210

CROSS REFERENCE GUIDE TO NON-CRES ALLOY STEEL FINISH CODES
SECTION D

		ALLOY TENSILE STRENGTH			
	FINISH	**<180 KSI**	**180 - 220 KSI**	**220 - 240 KSI**	**> 240 KSI**
No Top Finish	No Finish	100, 104	100, 104	100, 104	100, 104
	Cadmium Plate	120	121	401	123
Single Finish	Solid Film Lubricant	453	459	459	454, 462
Single Finish (with Cadmium Plate or IVD Alumi-num)	Primer	402, 406, 475	407	413, 460C	419
	White Urethane	405	410, 461C, 476	416, 417	420
	Dark Gray Urethane	431	428	412W, 428	
	Gray Epoxy Enamel /Gray Urethane	403	408	414	
	Lusterless Black Urethane	429		430	
	Black Epoxy Enamel/ Black Urethane	404	409	415	
	AMS-C-27725 Fuel Tank Coating	706			
Two Finishes	Primer and Solid Film Lubricant	450	451	451	452
	White Urethane and Solid Film Lubricant	705, 707			
	Chrome Plate and Solid Film Lubricant				703C
Two Finishes (with Cadmium Plate or IVD Aluminum	Primer and Lusterless Black Urethane		702		
	Primer and Black Epoxy Enamel/ Black Urethane		701		
	Primer and 16NXXXX Finish		472	473	
	AMS-C-27725 Fuel Tank Coating and White Acrylic Lacquer/White Urethane			474	474
	White Urethane and Corrosion Preventive Compound			471	423
	Black and Orange-Yellow Epoxy Enamel or Urethane Stripes	411			
	16NXXXX Finish and Solid Film Lubricant				456
	16NXXXX Finish and Molybdenum Wear Coating			457	457

CROSS REFERENCE GUIDE TO NON-CRES ALLOY STEEL FINISH CODES (Cont'd)
SECTION D

	ALLOY TENSILE STRENGTH				
	FINISH	**<180 KSI**	**180 - 220 KSI**	**220 - 240 KSI**	**> 240 KSI**
Three Finishes	Primer, Lusterless Black Urethane, and Solid Film Lubricant				458
	Primer, Black Epoxy Enamel/ Black Urethane, and Solid Film Lubricant				455
	Primer, White Urethane, and Solid Film Lubricant	704			

	MISCELLANEOUS	
	DESCRIPTION	**SPECIAL FINISHES**
Special Finishes	ALLOY STEEL SPRINGS	425, 426, 427, 470
	ALLOY STEEL TUBE	701, 702
	ROUGH FORGINGS	210
	REWORK	136R, 421R, 422R, 424R
	PROTECTIVE SHIPPING PAPER	211

CROSS REFERENCE GUIDE TO CRES ALLOY FINISH CODES
SECTION S

	FINISH	300 SERIES OR HEAT TREATABLE CRES	AISI410 OR 17-4 CASTINGS
No Top Finish	No Finish	146, 147, 411, 627SW	100@, 146+, 147+, 627SW+
	Cadmium Plate (or IVD Alum)	420W, 433W, 643W, 647W	420W+, 433W+
	Chrome Plate	633W, 634W	
	Cadmium (or IVD alum) Plate and Chrome Plate	644W	
Single Finish	Primer	424, 428, 436	402, 456
	AMS-C-27725 Fuel Tank Coating	635	406
	White Urethane	419, 423, 437, 645	405, 409
	White Acrylic Lacquer/White Urethane	450, 451	
	Flat White Epoxy Enamel/Flat White Urethane	418, 422	
	Orange-Yellow Epoxy Enamel/Orange-Yellow Urethane	432	454
	Lusterless Gray Urethane	445, 446	
	Dark Gray Urethane	449, 640, 641, 660, 668	434@, 631@
	Medium Gray Teflon-Urethane	629	
	Gray Epoxy Enamel/Gray Urethane	412, 414, 430	403
	Lusterless Black Urethane	443, 444, 455	442, 447
	P6096-2 Flat Black Urethane	429	427
	Black Epoxy Enamel/Black Urethane	413, 415, 439	404, 439+, 440
	16NXXXX Finish		425
	Solid Film Lubricant	601, 602, 603, 608D, 612, 615, 617, 632C, 654	601+, 602+, 603+, 610, 618, 625, 654+
	Corrosion Preventive Compound		208, 210
	FMS-3014 Form 2 Adhesive	646, 705	
Single Finish (with Plate)	Solid Film Lubricant with Cadmium Plate or IVD Aluminum	606W, 661W	606W+, 661W+
	Solid Film Lubricant with Chrome Plate	632W, 662W	

CROSS REFERENCE GUIDE TO CRES ALLOY FINISH CODES (Cont'd)
SECTION S

	FINISH	300 SERIES OR HEAT TREATABLE CRES	AISI410 OR 17-4 CASTINGS
Two Finishes	Primer and White Urethane	457, 462	408
	Primer and Lusterless Gray Urethane		448
	Primer and Dark Gray Urethane	441	
	Primer and Blue Urethane	460, 707, 459	458
	Primer and 16NXXXX Finish	435, 658	
	Primer and Solid Film Lubricant	626	616@
	Primer and Corrosion Preventive Compound	703	421
	AMS-C-27725 Fuel Tank Coating and White Acrylic Lacquer/White Urethane	638	
	White Urethane and 16NXXXX Finish	623, 639, 704, 706	407
	White Urethane and Solid Film Lubricant	604, 605	605+, 653
	Orange-Yellow Epoxy Enamel/Orange-Yellow Urethane and Solid Film Lubricant	624	611, 624+
	Light Gray urethane and 16NXXXX Finish		438, 642
	Light Semi-gloss Gray Urethane and 16NXXXX Finish	464P, 663P	664P
	Dark Gray Urethane and 16NXXXX Finish	452, 659, 665P, 667	453@, 666@P
	Gray Epoxy Enamel/Gray Urethane and Solid Film Lubricant	609, 613, 614	609+, 622@
	Gray Epoxy Enamel/Gray Urethane and Corrosion Preventive Compound		426
	Black and Orange-Yellow Epoxy Enamel/Orange-Yellow Urethane	431	431
	Lusterless Black Urethane and Solid Film Lubricant	620	620+
	P6096-2 Flat Black Urethane and Solid Film Lubricant	619	
	Black Epoxy Enamel/Black Urethane and Solid Film Lubricant	607, 655	607+, 657@
	MIL-C-85054 Corrosion Preventive Compound and Solid Film Lubricant		649@
Three Finishes	Gray Urethane, 16NXXXX Finish, and Solid Film Lubricant		628
	16NXXXX Finish, Solid Film Lubricant, and Corrosion Preventive Compound		621
	Red Epoxy Enamel/Red Urethane, 16NXXXX Finish, and Solid Film Lubricant	656	
Four Finishes	Primer, AMS-C-27725 Fuel Tank Coating, White Urethane, and 16NXXXX Finish		461, 463

CROSS REFERENCE GUIDE TO CRES ALLOY FINISH CODES (Cont'd)
SECTION S

	MISCELLANEOUS	
	DESCRIPTION	**SPECIAL FINISHES**
Special Finishes	DETAIL OF BONDED ASSEMBLY	103
	DETAIL OF WELDED ASSEMBLY	104
	CRES TUBING	410, 416, 417
	AERODYNAMIC SEALS	636, 637
	PROTECTIVE SHIPPING PAPER	211

NOTES FOR ALUMINUM, NON-CRES, AND CRES ALLOY FINISH CODE CROSS REFERENCE TABLES:

1. This chart is to be used as a guide and is not a substitute for the actual finish codes. Individual finish codes should always be consulted.

2. No duplications of finish codes have been made vertically. Horizontal duplication of a finish code has been made only in instances when it is applicable to more than one category of alloy or tensile strength.

   Suffix Notations for Aluminum, Non-CRES, and CRES Alloy Finish Codes
   B - Black Dye Anodize
   C - Chrome Plate
   D - Nitrided Surfaces
   H - Hard Anodize
   L - Applied Over Solid Film Lubricant
   P – Primers restricted for FMS-3049 compatibility
   R - Rework
   S - Silver Plate/Strike
   W - Nickel Plate/Strike or Electroless Nickel
   @ - Casting Only
   + - Castings Excluded

3. 16NXXXX FINISH is listed in the Cross-References as a possible finish. No differentiation is made regarding interior or exterior surfaces.

4. "PRIMER" by itself refers to FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE		APPLICABLE FINISH
A100		**NO FINISH REQUIRED**
	A	NO FINISH REQUIRED
A103		**DO NOT FINISH. DETAIL OF BONDED ASSEMBLY**
	A	NO FINISH REQUIRED
A104		**DO NOT FINISH. DETAIL OF WELDED ASSEMBLY.**
	A	NO FINISH REQUIRED
A105		**SMALL DETAILS OF PARTS IN ELECTRICALLY BONDED ASSY'S CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS**
	A	CHEM FILM ALL SURFACES PER 105.
	B	(INACTIVE FOR NEW DESIGN, SEE A176)
A111		**ANODIZED PARTS REQUIRING NO OTHER FINISH SUCH AS THOSE OPERATING IN OIL OR FUEL - ALL WROUGHT ALUMINUM ALLOYS**
	A	ANODIZE ALL SURFACES PER 111.
A113		**HARD ANODIZED FUNCTIONAL WEAR SURFACES ALL ALUMINUM ALLOYS**
	A	HARD ANODIZE ALL SURFACES PER 113.
A115		**HARD ANODIZED FUNCTIONAL WEAR SURFACES ALL ALUMINUM ALLOYS (FOR PRESS FIT APPLICATION ONLY)**
	A	HARD ANODIZE SPECIFIED SURFACES PER 115.
A134		**REWORK OF ANODIZED FITTINGS ALL ALUMINUM ALLOYS AND ONLY FOR "AN" TYPE ANODIZED FITTINGS**
	A	BRUSH CHEM FILM SPECIFIED SURFACES PER 134.
A163		**CONTROLLED ENVIROMENT, BLACK ANODIZE FOR THERMAL CONTROL ALL ALUMINUM ALLOYS**
	A	SULFURIC ACID ANODIZE AND DYE BLACK ALL SURFACES PER 163.
A176		**CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM AND ALUMINUM CASTINGS.**
	A	CHEM FILM ALL SURFACES PER 176.
A210		**CORROSION PREVENTIVE SHIPPING PAPER ALL ALUMINUM ALLOYS (FOR F2 ONLY)**
	A	PREPARE ALL SURFACES PER 526.
A240		**REWORK OF AMS-C-27725 COATED ALUMINUM PARTS ALL ALUMINUM ALLOYS**
	A	TOUCH UP AREAS WITH FINISH REMOVED PER 240.
A401		**PRIMER CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS**
	A	CHEM FILM ALL SURFACES PER 105.
	B	PRIME SPECIFIED SURFACES ONE COAT PER 202.
	C	TOUCH UP AS REQUIRED PER 242.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A402 **PRIMER**
CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS

A CHEM FILM ALL SURFACES PER 105.
B PRIME ALL SURFACES ONE COAT PER 201.
C TOUCH UP AS REQUIRED PER 242.

A403 **PRIMER**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ALL SURFACES TWO COATS PER 204 (OR 245).
C TOUCH UP AS REQUIRED PER 236.

A404 **PRIMER**
BARE 7000 AND 2219 SERIES ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME ALL SURFACES TWO COATS PER 204 (OR 245).
C TOUCH UP AS REQUIRED PER 236.
D (SEE A403 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A405 **PRIMER**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS (CLOSE TOLERANCE FITS)

A ANODIZE SPECIFIED SURFACES PER 114.
B PRIME SPECIFIED SURFACES TWO COATS PER 205 (OR 245).
C BRUSH CHEM FILM UNANODIZED AREAS PER 134.
D TOUCH UP AS REQUIRED PER 236.

A406 **PRIMER**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS (CLOSE TOLERANCE FITS)

A SULFURIC ACID ANODIZE SPECIFIED SURFACES PER 124.
B PRIME SPECIFIED SURFACES TWO COATS PER 205 (OR 245).
C BRUSH CHEM FILM UNANODIZED AREAS PER 134.
D TOUCH UP AS REQUIRED PER 236.
E (SEE A405 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A407 **PRIMER**
ALUMINUM ALLOY CASTINGS

A CHEM FILM ALL SURFACES PER 105.
B PRIME SPECIFIED SURFACES TWO COATS PER 205 (OR 245).
C TOUCH UP AS REQUIRED PER 236.

A408 **PRIMER**
ALUMINUM ALLOY CASTINGS

A CHEM FILM ALL SURFACES PER 105.
B PRIME ALL SURFACES TWO COATS PER 204 (OR 245).
C TOUCH UP AS REQUIRED PER 236.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A409	**PRIMER AND GRAY EPOXY ENAMEL/GRAY URETHANE** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ON EXPOSED SURFACE PER 202.
	C PRIME TWO COATS ON REVERSE SURFACE PER 205 (OR 245).
	D PAINT EXPOSED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	E TOUCH UP AS REQUIRED PER 236 AND 238.
A410	**PRIMER AND GRAY EPOXY ENAMEL/GRAY URETHANE** **BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS**
	A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
	B PRIME ONE COAT ON EXPOSED SURFACE PER 202.
	C PRIME TWO COATS ON REVERSE SURFACE PER 205 (OR 245).
	D PAINT EXPOSED SURFACE WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	E TOUCH UP AS REQUIRED PER 236 AND 238.
	F (SEE A409 FOR PREFERRED CODE).
	NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.
A411	**PRIMER AND GRAY EPOXY ENAMEL/GRAY URETHANE** **ALUMINUM ALLOY CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME EXPOSED SURFACE ONE COAT PER 202.
	C PRIME REVERSE SURFACE TWO COATS PER 205 (OR 245).
	D PAINT EXPOSED SURFACE WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	E TOUCH UP AS REQUIRED PER 236 AND 238.
A412	**PRIMER AND BLACK EPOXY ENAMEL/BLACK URETHANE** **CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT EXPOSED SURFACE WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	D TOUCH UP AS REQUIRED PER 242 AND 239.
A413	**PRIMER AND BLACK EPOXY ENAMEL/BLACK URETHANE** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME EXPOSED SURFACE ONE COAT PER 202.
	C PAINT EXPOSED SURFACE WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	D PRIME REVERSE SURFACE TWO COATS PER 205 (OR 245).
	E TOUCH UP AS REQUIRED PER 236 AND 239.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A414 **PRIMER AND BLACK EPOXY ENAMEL/BLACK URETHANE BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS**

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME EXPOSED SURFACE ONE COAT PER 202.
C PRIME REVERSE SURFACE TWO COATS PER 205 (OR 245).
D PAINT EXPOSED SURFACE WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
E TOUCH UP AS REQUIRED PER 236 AND 239.
F (SEE A413 PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A415 **PRIMER AND BLACK EPOXY ENAMEL/BLACK URETHANE ALUMINUM ALLOY CASTINGS**

A CHEM FILM ALL SURFACES PER 105.
B PRIME EXPOSED SURFACE ONE COAT PER 202.
C PRIME REVERSE SURFACE TWO COATS PER 205 (OR 245).
D PAINT EXPOSED SURFACE WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
E TOUCH UP AS REQUIRED PER 236 AND 239.

A416 **PRIMER AND P6096-2 FLAT BLACK URETHANE CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS**

A CHEM FILM ALL SURFACES PER 105.
B PRIME ALL SURFACES ONE COAT PER 201.
C PAINT EXPOSED SURFACE WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
D TOUCH UP AS REQUIRED PER 241 AND 242.

A417 **PRIMER AND P6096-2 FLAT BLACK URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A ANODIZE ALL SURFACES PER 111.
B PRIME EXPOSED SURFACE ONE COAT PER 202.
C PRIME REVERSE SURFACE TWO COATS PER 205 (OR 245).
D PAINT EXPOSED SURFACE WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
E TOUCH UP AS REQUIRED PER 236 AND 241.

A418 **PRIMER AND P6096-2 FLAT BLACK URETHANE BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS**

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME EXPOSED SURFACE ONE COAT PER 202.
C PRIME REVERSE SURFACE TWO COATS PER 205 (OR 245).
D PAINT EXPOSED SURFACE WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
E TOUCH UP AS REQUIRED PER 236 AND 241.
F (SEE A417 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A419	**PRIMER AND P6096-2 FLAT BLACK URETHANE ALUMINUM ALLOY CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME EXPOSED SURFACE ONE COAT PER 202.
	C PRIME REVERSE SURFACE TWO COATS PER 205 (OR 245).
	D PAINT EXPOSED SURFACE WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
	E TOUCH UP AS REQUIRED PER 236 AND 241.
A420	**PRIMER AND ORANGE-YELLOW EPOXY ENAMEL/ORANGE-YELLOW URETHANE ALUMINUM CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME EXPOSED SURFACE ONE COAT PER 202.
	C PRIME REVERSE SURFACE TWO COATS PER 205 (OR 245)
	D PAINT EXPOSED SURFACE WITH ORANGE-YELLOW EPOXY ENAMEL OR ORANGE-YELLOW URETHANE PER 216.
	E TOUCH UP AS REQUIRED PER 236 AND 243.
A421	**PRIMER AND ORANGE-YELLOW EPOXY ENAMEL/ORANGE-YELLOW URETHANE. CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ALL SURFACES PER 201.
	C PAINT EXPOSED SURFACE WITH ORANGE-YELLOW EPOXY ENAMEL OR ORANGE-YELLOW URETHANE PER 216.
	D TOUCH UP AS REQUIRED PER 243.
A422	**PRIMER AND ORANGE-YELLOW EPOXY ENAMEL/ ORANGE-YELLOW URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME EXPOSED SURFACE ONE COAT PER 202.
	C PRIME REVERSE SURFACE TWO COATS PER 205 (OR 245).
	D PAINT EXPOSED SURFACE WITH ORANGE-YELLOW EPOXY ENAMEL OR ORANGE-YELLOW URETHANE PER 216.
	E TOUCH UP AS REQUIRED PER 236 AND 243.
A423	**PRIMER AND ORANGE-YELLOW AND BLACK STRIPES ALUMINUM ALLOY CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME EXPOSED SURFACE ONE COAT PER 202.
	C PRIME REVERSE SURFACE TWO COATS PER 205 (OR 245).
	D PAINT EXPOSED SURFACE WITH ALTERNATELY STRIPED BLACK AND ORANGE-YELLOW EPOXY ENAMEL PER 218.
	E TOUCH UP AS REQUIRED PER 236 AND 244.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A424	**PRIMER AND ORANGE-YELLOW AND BLACK STRIPES CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS.**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT EXPOSED SURFACE WITH ALTERNATELY STRIPED BLACK AND ORANGE-YELLOW EPOXY ENAMEL OR URETHANE PER 218.
	D TOUCH UP AS REQUIRED PER 244.
A425	**PRIMER AND ORANGE-YELLOW AND BLACK STRIPES BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME EXPOSED SURFACE ONE COAT PER 202.
	C PRIME REVERSE SURFACE TWO COATS PER 205 (OR 245).
	D PAINT EXPOSED SURFACE WITH ALTERNATELY STRIPED BLACK AND ORANGE-YELLOW EPOXY ENAMEL OR URETHANE PER 218.
	E TOUCH AS REQUIRED PER 236 AND 244.
A426	**AMS-C-27725 FUEL TANK COATING. CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS, EXCEPT TUBING.**
	A CHEM FILM ALL SURFACES PER 105.
	B APPLY AMS-C-27725 COATING ALL SURFACES PER 220.
	C TOUCH UP AS REQUIRED PER 240.
A427	**AMS-C-27725 FUEL TANK COATING BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING ALL SURFACES PER 220.
	C TOUCH UP AS REQUIRED PER 240.
A428	**AMS-C-27725 FUEL TANK COATING BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS**
	A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
	B APPLY AMS-C-27725 COATING ALL SURFACES PER 220.
	C TOUCH UP AS REQUIRED PER 240.
	D (SEE A427 FOR PREFERRED CODE).
	NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.
A429	**AMS-C-27725 FUEL TANK COATING BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS (PRESS FITS)**
	A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
	B APPLY AMS-C-27725 COATING TO SPECIFIED SURFACES PER 221.
	C TOUCH UP AS REQUIRED PER 240.
	D (SEE A564 FOR PREFERRED CODE).
	NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A430 **AMS-C-27725 FUEL TANK COATING AND WHITE URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
C PRIME REMAINING SURFACES ONE COAT PER 202.
D PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
E TOUCH UP AS REQUIRED PER 237 AND 240.

A431 **AMS-C-27725 FUEL TANK COATING AND WHITE URETHANE**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME EXPOSED SURFACE ONE COAT PER 202.
C PAINT WITH WHITE URETHANE COATING EXPOSED SURFACE PER 222 (OR 274).
D APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
E TOUCH UP AS REQUIRED PER 237 AND 240.
F (SEE A430 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A432 **PRIMER AND AMS-C-27725 FUEL TANK COATING**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME INTERIOR NON-FUEL SURFACE TWO COATS PER 205 (OR 245).
C APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
D TOUCH UP AS REQUIRED PER 236 AND 240.

A433 **PRIMER AND AMS-C-27725 FUEL TANK COATING**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME TWO COATS ON INTERIOR NON-FUEL SURFACE PER 205 (OR 245).
C APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
D TOUCH UP AS REQUIRED PER 236 AND 240.
E (SEE A432 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A434 **PRIMER AND AMS-C-27725 FUEL TANK COATING**
CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS

A CHEM FILM ALL SURFACES PER 105.
B PRIME ONE COAT ON INTERIOR NON-FUEL SURFACES PER 202.
C APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
D TOUCH UP AS REQUIRED PER 240 AND 242.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A435	**AMS-C-27725 FUEL TANK COATING AND 16NXXXX FINISH CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 235 AND 240.
A436	**AMS-C-27725 FUEL TANK COATING AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 235 AND 240.
A437	**AMS-C-27725 FUEL TANK COATING AND 16NXXXX FINISH BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS**
	A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
	B APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 235 AND 240.
	F (SEE A436 FOR PREFERRED CODE).
	NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.
A438	**AMS-C-27725 FUEL TANK COATING AND WHITE URETHANE CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME ONE COAT SPECIFIED SURFACES PER 202.
	D PAINT PRIMED SURFACE WITH WHITE URETHANE COATING PER 222 (OR 274).
	E TOUCH UP AS REQUIRED PER 237 AND 240.
A439	**AMS-C-27725 FUEL TANK COATING AND WHITE URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME ONE COAT SURFACES EXPOSED IN INLET DUCT PER 202.
	D PAINT PRIMED SURFACE WITH WHITE URETHANE COATING PER 222 (OR 274).
	E TOUCH UP AS REQUIRED PER 237 AND 240.
	F (INACTIVE FOR NEW DESIGN, SEE A430).

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A440	**BLACK EPOXY ENAMEL/BLACK URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT ALL SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 234.
	D TOUCH UP AS REQUIRED PER 239.
A441	**PRIMER AND 16NXXXX FINISH CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
	D TOUCH UP AS REQUIRED PER 235 AND 242.
A442	**PRIMER AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME TWO COATS ON INTERIOR SURFACE PER 205 (OR 245).
	C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 235, 242 AND 236.
A443	**PRIMER AND 16NXXXX FINISH BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS**
	A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
	B PRIME EXTERIOR EXPOSED SURFACE ONE COAT PER 202.
	C PRIME TWO COATS ON INTERIOR SURFACE PER 205 (OR 245).
	D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 235 AND 236.
	F (SEE A442 FOR PREFERRED CODE).
	NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.
A444	**PRIMER AND 16NXXXX FINISH ALUMINUM ALLOY CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME TWO COATS ON SPECIFIED INTERIOR SURFACE PER 205 (OR 245).
	C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 235, 242 AND 236.
A446	**GRAY EPOXY ENAMEL/GRAY URETHANE AND 16NXXXX FINISH. EXPOSED CASTINGS AND CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT WITH GRAY EPOXY ENAMEL OR GRAY URETHANE ON INTERIOR SURFACE PER 211.
	D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 235, 242,AND 238.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A447 **GRAY EPOXY ENAMEL/GRAY URETHANE AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT WITH GRAY EPOXY ENAMEL OR GRAY URETHANE ON INTERIOR SURFACE PER 211.
- D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- E TOUCH UP AS REQUIRED PER 235, 242, AND 238.

A448 **GRAY EPOXY ENAMEL/GRAY URETHANE AND 16NXXXX FINISH BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS**

- A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
- B PRIME ONE COAT INTERIOR SURFACE PER 202.
- C PAINT WITH GRAY EPOXY ENAMEL OR GRAY URETHANE ON INTERIOR SURFACE PER 211.
- D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- E TOUCH UP AS REQUIRED PER 235 AND 238.
- F (SEE A447 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A449 **BLACK EPOXY ENAMEL/BLACK URETHANE AND 16NXXXX FINISH. EXPOSED CASTINGS AND CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT WITH BLACK EPOXY ENAMEL OR BLACK URETHANE ON INTERIOR SURFACE PER 213.
- D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- E TOUCH UP AS REQUIRED PER 235, 242, AND 239.

A450 **BLACK EPOXY ENAMEL/BLACK URETHANE AND 16NXXXX FINISH. BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT WITH BLACK EPOXY ENAMEL OR BLACK URETHANE ON INTERIOR SURFACE PER 213.
- D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- E TOUCH UP AS REQUIRED PER 235, 242, AND 239.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A451 **BLACK EPOXY ENAMEL/BLACK URETHANE AND 16NXXXX FINISH. BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS**

- A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
- B PRIME ONE COAT INTERIOR SURFACE PER 202.
- C PRIME EXTERIOR EXPOSED SURFACE ONE COAT PER 202.
- D PAINT WITH BLACK EPOXY ENAMEL OR BLACK URETHANE ON INTERIOR SURFACE PER 213.
- E FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- F TOUCH UP AS REQUIRED PER 235 AND 239.
- G (SEE A450 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A452 **P6096-2 FLAT BLACK URETHANE AND 16NXXXX FINISH - EXPOSED CASTINGS AND CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT INTERIOR SURFACE WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
- D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- E TOUCH UP AS REQUIRED PER 235, 242, AND 241.

A453 **P6096-2 FLAT BLACK URETHANE AND 16NXXXX FINISH EXPOSED BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT INTERIOR SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
- D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- E TOUCH UP AS REQUIRED PER 235, 242 AND 241.

A454 **P6096-2 FLAT BLACK URETHANE AND 16NXXXX FINISH EXPOSED BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS**

- A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
- B PRIME ONE COAT INTERIOR SURFACE PER 202.
- C PRIME EXTERIOR EXPOSED SURFACE ONE COAT PER 202.
- D PAINT INTERIOR SURFACE WITH P6096-2 FLAT BLACK URETHANE PER 217.
- E FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- F TOUCH UP AS REQUIRED PER 235 AND 241.
- G (SEE A453 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A455 **PRIMER. CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS (USE ONLY FOR ELECTRICAL BONDING OF PARTS WITH STEEL INSERTS OR WIRE)**

- A BRUSH CHEM FILM EXPOSED SURFACES PER 178.
- B PRIME SPECIFIED SURFACES ONE COAT PER 202.
- C TOUCH UP AS REQUIRED PER 242.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A456	**GRAY EPOXY ENAMEL/URETHANE. CLAD & 1000, 3000, 5000 & 6000 SERIES ALUMINUM (USE ONLY FOR ELEC. BONDING OF PARTS WITH STEEL OR WIRE INSERTS)**
	A BRUSH CHEM FILM EXPOSED SURFACES PER 178.
	B PRIME SPECIFIED SURFACES ONE COAT PER 202.
	C PAINT PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	D TOUCH UP AS REQUIRED PER 238.
A457	**GRAY EPOXY ENAMEL/GRAY URETHANE 2000 AND 7000 SERIES ALUMINUM ALLOYS (USE ONLY FOR CLOSE TOLERANCE MATING PARTS)**
	A ANODIZE ALL SURFACES PER 111. ALLOWS FOR ELECTRICAL BOND.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT ONE COAT ON PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	D TOUCH UP AS REQUIRED PER 238.
A458	**GRAY EPOXY ENAMEL/GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ALL SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 227.
	D TOUCH UP AS REQUIRED PER 238.
A459	**GRAY EPOXY ENAMEL/GRAY URETHANE. CLAD, 1000, 3000, 5000, 6000 SERIES ALUMINUM ALLOYS AND CASTINGS (USE ONLY FOR CLOSE TOLERANCE MATING PARTS)**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT ONE COAT SPECIFIED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	D TOUCH UP AS REQUIRED PER 238.
A460	**WHITE URETHANE CLAD OR 1000, 3000, 5000 AND 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ALL SURFACES WITH WHITE URETHANE COATING PER 223 (OR 274).
	D TOUCH UP AS REQUIRED PER 237.
A461	**PRIMER AND WHITE URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT SURFACE REQUIRING WHITE COLOR PER 202.
	C PAINT SPECIFIED SURFACE WITH WHITE URETHANE COATING PER 222 (OR 274).
	D PRIME TWO COATS REMAINING SURFACE PER 205 (OR 245).
	E TOUCH UP AS REQUIRED PER 236 AND 237.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A462 **PRIMER AND WHITE URETHANE**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME ONE COAT SURFACE REQUIRING WHITE COLOR PER 202.
C PAINT SPECIFIED SURFACE WITH WHITE URETHANE COATING PER 222 (OR 274).
D PRIME TWO COATS REMAINING SURFACE PER 205 (OR 245).
E TOUCH UP AS REQUIRED PER 236 AND 237.
F (SEE A461 FOR PREFERRRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A463 **WHITE URETHANE AND 16NXXXX FINISH**
CLAD OR 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS

A CHEM FILM ALL SURFACES PER 105.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
E TOUCH UP AS REQUIRED PER 235, 242, AND 237.

A464 **WHITE URETHANE AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
E TOUCH UP AS REQUIRED PER 235, 242, AND 237.

A465 **PRIMER AND WHITE URETHANE**
CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS

A CHEM FILM ALL SURFACES PER 105.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D TOUCH UP AS REQUIRED PER 237 AND 242.

A466 **WHITE URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT ALL SURFACES WITH WHITE URETHANE COATING PER 223 (OR 274).
D TOUCH UP AS REQUIRED PER 237.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A467 **WHITE URETHANE**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT WITH WHITE URETHANE COATING ALL SURFACES PER 223 (OR 274).
D TOUCH UP AS REQUIRED PER 237.
E (SEE A466 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A468 **WHITE URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS (FOR ASSEMBLIES REQUIRING PRESS FITS)

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
C PAINT WITH WHITE URETHANE COATING ON THE PRIMED SURFACES PER 222 (OR 274).
D TOUCH UP AS REQUIRED PER 237.

A469 **WHITE URETHANE**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS (FOR ASSEMBLIES REQUIRING PRESS FITS)

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME ONE COAT SPECIFIED SURFACES PER 202.
C PAINT WITH WHITE URETHANE COATING ON THE PRIMED SURFACES PER 222 (OR 274).
D TOUCH UP AS REQUIRED PER 237.
E (SEE A468 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A470	**ALUMINUM TUBING ASSEMBLIES: GRAY EPOXY ENAMEL/GRAY URETHANE. OXYGEN TUBING - EXPOSED IN CREW COMPARTMENT**
	A CHEM FILM, EXTERIOR SURFACE, PER 108.
	B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT PRIMER .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 202.
	C FOR TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT PRIMER AS SPECIFIED PER 203.
	D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT) PRIME ONE COAT EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 272.
	E FOR TUBE ASSEMBLIES WITH BEADED TUBE ENDS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING PER 272.
	F PAINT PRIMED SURFACES WITH ONE COAT OF GRAY EPOXY ENAMEL OR GRAY URETHANE PER 212.
	G FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, TOUCH UP AS REQUIRED PER 238; BUT TOUCH UP ACROSS A C7551 ASSEMBLED JOINT IS NOT PERMITTED.
	H FOR TUBE ASSEMBLIES WITH "PERMASWAGE", "DYNATUBE", OR FLARED FITTINGS, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 238.
A471	**ALUMINUM TUBING ASSEMBLIES - PRIMER OXYGEN TUBING - NOT EXPOSED**
	A CHEM FILM EXTERIOR SURFACE PER 108.
	B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT PRIMER .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 202. TOUCH UP AS REQUIRED PER 242, BUT TOUCH UP ACROSS THE ASSEMBLED JOINT IS NOT PERMITTED.
	C FOR TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT PRIMER AS SPECIFIED PER 203. AFTER INSTALLATION OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 242.
	D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT), PRIME ONE COAT EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 272. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 242.
	E FOR TUBE ASSEMBLIES WITH BEADED TUBE ENDS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING PER 272.
A472	**PRIMER AND SOLID FILM LUBRICANT BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES PER 207.
	C PRIME REMAINING SURFACES TWO COATS PER 205 (OR 245).
	D TOUCH UP AS REQUIRED PER 236.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A473	**ALUMINUM TUBING ASSEMBLIES: WHITE URETHANE** **5000 OR 6000 SERIES ALUMINUM ALLOYS**
	A CHEM FILM, EXTERIOR SURFACE ONLY, PER 108.
	B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT PRIMER .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 202.
	C FOR TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT PRIMER AS SPECIFIED PER 203.
	D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT) PRIME ONE COAT EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 272.
	E FOR TUBE ASSEMBLIES WITH BEADED TUBE ENDS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING PER 272.
	F PAINT PRIMED SURFACES WITH TWO COATS OF WHITE URETHANE COATING PER 224.
	G FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, TOUCH UP AS REQUIRED PER 237; BUT TOUCH UP ACROSS A C7551 ASSEMBLED JOINT IS NOT PERMITTED.
	H FOR TUBE ASSEMBLIES WITH "PERMASWAGE", "DYNATUBE", OR FLARED FITTINGS, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 237.
A474	**ALUMINUM TUBING ASSEMBLIES** **5000 AND 6000 SERIES ALUMINUM ALLOYS LOCATED IN FUEL AREA**
	A PRIOR TO MECHANICALLY ATTACHING DETAILS OF ASSEMBLY AND WHERE NO CREVICE EXISTS, HARD ANODIZE SPECIFIED SURFACES PER 115.
	B ANODIZE REMAINING EXTERIOR SURFACES PER 140.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A475	**ALUMINUM TUBING ASSEMBLIES: GRAY EPOXY ENAMEL/GRAY URETHANE. PNEUMATIC AND AIR DATA TUBING - EXPOSED IN CREW COMPARTMENT**
	A CHEM FILM, EXTERIOR SURFACE ONLY, PER 107.
	B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT PRIMER .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 202.
	C FOR TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT PRIMER AS SPECIFIED PER 203.
	D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT) PRIME ONE COAT EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 272.
	E FOR TUBE ASSEMBLIES WITH BEADED TUBE ENDS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING PER 272.
	F PAINT PRIMED SURFACES WITH ONE COAT OF GRAY EPOXY ENAMEL OR GRAY URETHANE PER 212.
	G FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, TOUCH UP AS REQUIRED PER 238; BUT TOUCH UP ACROSS A C7551 ASSEMBLED JOINT IS NOT PERMITTED.
	H FOR TUBE ASSEMBLIES WITH "PERMASWAGE", "DYNATUBE", OR FLARED FITTINGS, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 238.
A476	**ALUMINUM TUBING ASSEMBLIES: WHITE URETHANE COATING PNEUMATIC, AIR DATA, HYDRAULICS, & FUEL TUBING.**
	A CHEM FILM EXTERIOR SURFACE PER 107.
	B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT PRIMER .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 202.
	C FOR TUBE ASSEMBLIES WITH "PERMASWAGE", "DYNATUBE", C20887, OR C20963 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT PRIMER AS SPECIFIED PER 203.
	D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT) PRIME ONE COAT EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 272.
	E FOR TUBE ASSEMBLIES WITH BEADED TUBE ENDS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING PER 272.
	F PAINT PRIMED SURFACES WITH TWO COATS OF WHITE URETHANE COATING PER 224.
	G FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, TOUCH UP AS REQUIRED PER 237; BUT TOUCH UP ACROSS A C7551 ASSEMBLED JOINT IS NOT PERMITTED.
	H FOR TUBE ASSEMBLIES WITH "PERMASWAGE", "DYNATUBE", FLARED, C20887, OR C20963 FITTINGS, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 237.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A477	**ALUMINUM TUBING ASSEMBLIES: AMS-C-27725 FUEL TANK COATING. 5000 & 6000 SERIES AL ALLOY FUEL TUBING & HOLLOW A356 AL FUEL CASTINGS LOCATED IN FUEL**
	A CHEM FILM EXTERIOR SURFACE ONLY PER 107.
	B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, APPLY AMS-C-27725 COATING TO EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT COATING .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 221. TOUCH UP AS REQUIRED PER 240, BUT TOUCH UP ACROSS THE ASSEMBLED JOINT IS NOT PERMITTED.
	C FOR TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS APPLY AMS-C-27725 COATING TO EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT COATING AS SPECIFIED PER 219.AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 240.
	D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT) APPLY AMS-C-27725 COATING ON EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 273. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 240.
A478	**ALUMINUM TUBING ASSEMBLIES: PRIMER PNEUMATIC, AIR DATA, HYDRAULICS, AND FUEL TUBING NOT IN FUEL OR SPECIAL COLOR AREA**
	A CHEM FILM EXTERIOR SURFACE PER 107.
	B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT PRIMER .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 202. TOUCH UP AS REQUIRED PER 242, BUT TOUCH UP ACROSS THE ASSEMBLED JOINT IS NOT PERMITTED.
	C FOR TUBE ASSEMBLIES WITH "PERMASWAGE", "DYNATUBE", C20887, OR C20963 FITTINGS PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT PRIMER AS SPECIFIED PER 203. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 242.
	D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT) PRIME ONE COAT EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 272. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 242.
	E FOR TUBE ASSEMBLIES WITH BEADED TUBE ENDS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING PER 272.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A479	**AL TUBING ASSY: PRIMER AND AMS-C-27725 FUEL TANK COATING. 5000 & 6000 SERIES AL ALLOY FUEL TUBING, LOCATED PARTIALLY IN FUEL AREA & PART OUTSIDE**
	A CHEM FILM EXTERIOR SURFACE PER 107.
	B IN NON-FUEL AREA OF TUBE ASSEMBLIES WITH C7551 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT PRIMER .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM), PER 202. TOUCH UP AS REQUIRED PER 242, BUT TOUCH UP ACROSS THE ASSEMBLED JOINT IS NOT PERMITTED.
	C IN NON-FUEL AREA OF TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT PRIMER AS SPECIFIED PER 203. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 242.
	D IN NON-FUEL AREA OF TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT), PRIME ONE COAT EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 272. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 242.
	E ON NOTED FUEL AREA OF TUBE ASSEMBLIES WITH C7551 FITTINGS, APPLY AMS-C-27725 COATING TO EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT COATING UNDER FITTING AND IN AREA SPECIFIED ON DRAWING PER 221. TOUCH UP AS REQUIRED PER 240, BUT TOUCH UP ACROSS THE ASSEMBLED JOINT IS NOT PERMITTED.
	F ON NOTED FUEL AREA OF TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS, APPLY AMS-C-27725 COATING TO EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT COATING AS SPECIFIED PER 219. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUAIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 240.
	G ON NOTED FUEL AREA OF TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT), APPLY AMS-C-27725 COATING ON EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 273. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 240.
A480	**ALUMINUM TUBING ASSEMBLIES 5000 AND 6000 SERIES ALUMINUM ALLOYS LOCATED IN FUEL AREAS**
	A PRIOR TO MECHANICALLY ATTACHING DETAILS OF ASSEMBLY AND WHERE NO CREVICE EXISTS, ANODIZE EXTERIOR SURFACES PER 140.
A481	**ALUMINUM TUBING ASSEMBLIES: PRIMER AND 16NXXXX FINISH 5000, 6000 SERIES ALUMINUM ALLOYS**
	A ANODIZE OUTER SURFACES PER 140.
	B PRIME ONE COAT OUTER SURFACE ONLY IN SPECIFIED AREAS PER 202
	C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	D FINISH SURFACE EXPOSED TO AIRPLANE EXTERIOR AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 235 AND 242.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A482	**ALUMINUM TUBING ASSEMBLIES: AMS-C-27725 FUEL TANK COATING. 5000 & 6000 SERIES FUEL TUBING - LOCATED IN FUEL AREAS-NO TREATMENT PERMITTED INSIDE**
	A BRUSH CHEM FILM EXTERIOR SURFACE ONLY, PER 108.
	B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, APPLY AMS-C-27725 COATING TO EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT COATING .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHER-WISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 221. TOUCH UP AS REQUIRED PER 240, BUT TOUCH UP ACROSS THE ASSEMBLED JOINT IS NOT PERMITTED.
	C FOR TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS APPLY AMS-C-27725 COATING TO EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT COATING AS SPECIFIED PER 219. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLIED JOINT PER 240.
	D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT) APPLY AMS-C-27725 COATING ON EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 273. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 240.
A483	**ALUMINUM CASTINGS FOR FUEL TRANSMISSION: PRIMER A356 ALUMINUM ALLOY CASTINGS TRANSMITTING FUEL IN A NON-FUEL AREA**
	A CHEM FILM EXTERIOR SURFACES PER 107.
	B PRIME TWO COATS ON EXTERIOR NON-FUEL SURFACES PER 205 (OR 245).
	C TOUCH UP AS REQUIRED PER 236.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A484	**ALUMINUM TUBING ASSEMBLIES: WHITE URETHANE AND AMS-C-27725 FUEL TANK COATING. 5000 & 6000 SERIES ALUMINUM AND A356 OR A357 ALUMINUM CASTINGS**
	A CHEM FILM EXTERIOR SURFACE PER 107.
	B IN NON-FUEL AREA OF TUBE ASSEMBLIES WITH C7551 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT PRIMER .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM), PER 202.
	C IN NON-FUEL AREA OF TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT PRIMER AS SPECIFIED PER 203.
	D IN NON-FUEL AREA OF TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT), PRIME ONE COAT EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 272.
	E IN NON-FUEL AREA OF TUBE ASSEMBLIES PAINT PRIMED SURFACES WITH TWO COATS OF WHITE URETHANE COATING PER 224.
	F IN NON-FUEL AREA OF TUBE ASSEMBLIES WITH C7551 FITTINGS, TOUCH UP AS REQUIRED PER 237; BUT TOUCH UP ACROSS A C7551 ASSEMBLED JOINT IS NOT PERMITTED.
	G IN NON-FUEL AREA OF TUBE ASSEMBLIES WITH "PERMASWAGE", "DYNATUBE", OR FLARED FITTINGS, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 237.
	H ON NOTED FUEL AREA OF TUBE ASSEMBLIES WITH C7551 FITTINGS, APPLY AMS-C-27725 COATING TO EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT FUEL COATING .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM), PER 221. TOUCH UP AS REQUIRED PER 240, BUT TOUCH UP ACROSS THE ASSEMBLED JOINT IS NOT PERMITTED.
	I ON NOTED FUEL AREA OF TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS, APPLY AMS-C-27725 COATING TO EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT COATING AS SPECIFIED PER 219. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 240.
	J ON NOTED FUEL AREA OF TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT), APPLY AMS-C-27725 COATING ON EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 273. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 240.
A485	**ALUMINUM TUBING ASSEMBLIES: 5000 OR 6000 ALUMINUM TUBING OR TUBING ASSEMBLIES THAT ARE NOT DETAILS OF WELDED ASSEMBLIES**
	A CHEM FILM EXTERIOR SURFACE PER 107.
	B PRIME EXTERIOR TUBE SURFACE, UNLESS OTHERWISE SPECIFIED, ONE COAT PER 202.
	C PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	D TOUCH UP AS REQUIRED PER 237.
	E (INACTIVE FOR NEW DESIGN).

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A486 **ADHESIVE BONDED ASSEMBLY**

- A CHEM FILM ALL SPECIFIED EXPOSED ALUMINUM SURFACES PER 106 (OR PRIME PER 300).
- B PRIME INBOARD CLOSURE AND EXPOSED SURFACES OF FRONT SPAR ONE COAT PER 202.
- C PAINT EXPOSED SURFACES OF FRONT SPAR WITH WHITE URETHANE COATING PER 222 (OR 274).
- D PAINT INBOARD CLOSURE RIB WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61, NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- E PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
- F FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- G TOUCH UP AS REQUIRED PER 235, 236, 237, 242 AND 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 236, 237, 242 AND 298.

A487 **ADHESIVE BONDED ASSEMBLY**

- A CHEM FILM ALL SPECIFIED EXPOSED SURFACES PER 106 (OR PRIME PER 300).
- B PRIME EXTERIOR COVE AREA AND OUTBOARD CLOSURE RIB ONE COAT PER 202.
- C PRIME SPECIFIED SURFACES TWO COATS PER 205 (OR 245).
- D PAINT COVE AREA WITH TWO COATS WHITE URETHANE COATING PER 222 (OR 274).
- E PAINT INBOARD CLOSURE RIB WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- F PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
- G FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- H TOUCH UP AS REQUIRED PER 235, 236, 237, 242 AND 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 236, 237, 242, AND 298.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A488 **ADHESIVE BONDED ASSEMBLY**

- A CHEM FILM ALL SPECIFIED SURFACES PER 106 (OR PRIME PER 300).
- B PRIME INBOARD CLOSURE RIBS AND COVE AREA ONE COAT PER 202.
- C PAINT COVE AREA WITH WHITE URETHANE COATING PER 222 (OR 274)
- D PAINT INBOARD CLOSURE RIB WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- E PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
- F PRIME SPECIFIED SURFACES TWO COATS PER 205.
- G FINISH EXTERIOR EXPOSED SURFACE AFTER ASSY PER DRAWING 16N0001.
- H TOUCH UP AS REQUIRED PER 235, 236, 237, 242 AND 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 236, 237, 242 AND 298.
- I (SEE R408 FOR ALTERNATE PRODUCTION METHOD).

A489 **ADHESIVE BONDED ASSEMBLY**

- A CHEM FILM ALL SPECIFIED SURFACES PER 106 (OR PRIME PER 300).
- B PRIME INTERIOR SURFACE TWO COATS PER 205 (OR 245).
- C PRIME EXTERIOR EXPOSED SURFACE ONE COAT PER 202.
- D APPLY SOLID FILM LUBRICANT TO AREAS SPECIFIED PER 207.
- E FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- F TOUCH AS REQUIRED AT ASSY PER 235 AND 236.
- G (INACTIVE FOR NEW DESIGN).

A490 **WHITE URETHANE AND GRAY EPOXY ENAMEL/GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT ALL SURFACES, EXCEPT AREAS DESIGNATED TO BE GRAY, WITH WHITE URETHANE COATING PER 222 (OR 274).
- D PAINT SPECIFIED CREW COMPARTMENT AREA WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
- E TOUCH UP AS REQUIRED PER 237 AND 238.

A491 **PRIMER**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

- A ANODIZE ALL SURFACES PER 111.
- B PRIME SPECIFIED SURFACES, TWO COATS PER 205 (OR 245).
- C TOUCH UP AS REQUIRED PER 236.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A492 **PRIMER**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS
(USE FOR PARTS WITH CLOSE TOLERANCE HOLES)

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME SPECIFIED SURFACES TWO COATS PER 205 (OR 245).
C TOUCH UP AS REQUIRED PER 236.
D (SEE A491 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A493 **WHITE URETHANE AND 16NXXXX FINISH. CLAD OR 1000, 3000, 5000, 6000 SERIES AL ALLOYS & CASTINGS.**
(USE ONLY FOR CLOSE TOLERANCE PARTS AND HOLES)

A CHEM FILM ALL SURFACES PER 105.
B PRIME ONE COAT SPECIFIED INTERIOR SURFACE PER 202.
C PAINT SPECIFIED SURFACE WITH WHITE URETHANE COATING PER 222 (OR 274).
D PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
E FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
F TOUCH UP AS REQUIRED PER 237 OR 242.

A494 **PRIMER AND AMS-C-27725 FUEL TANK COATING**
7000 SERIES AND 2219 ALUMINUM ALLOY
(OMITTING ANODIZE IN SPECIFIED AREAS)

A SULFURIC ACID ANODIZE SPECIFIED AREAS PER 124.
B CHEM FILM AREAS NOT ANODIZED PER 134.
C PRIME SPECIFIED SURFACES TWO COATS PER 205 (OR 245).
D APPLY AMS-C-27725 COATING TO SPECIFIED FAYING SURFACE AND SURFACES EXPOSED TO FUEL PER 221.
E TOUCH UP AS REQUIRED PER 236 AND 240.
F (SEE A432 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A495 **AMS-C-27725 FUEL TANK COATING**
7000 SERIES AND 2219 ALUMINUM ALLOY
(OMITTING ANODIZE IN SPECIFIED AREAS)

A SULFURIC ACID ANODIZE SPECIFIED AREAS PER 124.
B CHEM FILM AREAS NOT ANODIZED PER 134.
C APPLY AMS-C-27725 COATING TO ALL SURFACES PER 220.
D TOUCH UP AS REQUIRED PER 240.
E (SEE A427 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A496	**PRIMER AND 16NXXXX FINISH** **BONDED ASSYS OF ALL ALUMINUM ALLOYS** A CHEM FILM SPECIFIED INTERIOR SURFACES PER 106. B PRIME SPECIFIED SURFACES TWO COATS PER 205 (OR 245). C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202. D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER DRAWING 16N0001. E TOUCH UP AS REQUIRED PER 235, 236 AND 242.
A497	**LIGHT GRAY URETHANE AND 16NXXXX FINISH - PYLON** **CLAD OR 1000, 3000, 5000, 6000 SERIES ALUMINUM ALLOYS AND CASTINGS** A CHEM FILM ALL SURFACES PER 105. B PRIME ONE COAT ALL SURFACES PER 201. C PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT GRAY URETHANE PER 254 (OR 276). D FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005. E TOUCH UP AS REQUIRED PER 242, 246 OR 255.
A498	**LIGHT GRAY URETHANE AND 16NXXXX FINISH - PYLON** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS** A ANODIZE ALL SURFACES PER 111. B PRIME ONE COAT ALL SURFACES PER 201. C PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT GRAY URETHANE PER 254 (OR 276). D FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005. E TOUCH-UP AS REQUIRED PER 242, 246, OR 255.
A499	**PRIMER AND 16NXXXX FINISH - PYLON** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS** A ANODIZE ALL SURFACES PER 111. B PRIME TWO COATS SPECIFIED SURFACES PER 205 (OR 245). C PRIME ONE COAT REMAINING EXTERIOR SURFACES PER 202. D FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005. E TOUCH UP AS REQUIRED PER 236, 242 OR 246.
A500	**LIGHT GRAY URETHANE AND 16NXXXX FINISH. CLAD OR 1000,3000,5000 OR 6000 SERIES ALLOYS & CASTINGS (USE ONLY FOR CLOSE TOLERANCE PARTS AND HOLES)** A CHEM FILM ALL SURFACES PER 105. B PRIME ONE COAT SPECIFIED SURFACES PER 202. C PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT GRAY URETHANE PER 254 (OR 276). D FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005. E TOUCH UP AS REQUIRED PER 242, 246 OR 255.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A501 **LIGHT GRAY URETHANE AND 16NXXXX FINISH - PYLON CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT GRAY URETHANE PER 254 (OR 276).
- D FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- E TOUCH-UP AS REQUIRED PER 242, 246, OR 255.

A502 **GRAY EPOXY ENAMEL/GRAY URETHANE CLAD AND 1000, 3000, 5000, 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ALL SURFACES ONE COAT PER 201.
- C PAINT ALL SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 227.
- D TOUCH UP AS REQUIRED PER 238.

A503 **WHITE URETHANE. CLAD,1000,3000,5000, 6000 SERIES ALLOYS & ALUM. ALLOY CASTINGS (USE ONLY FOR CLOSE MATING PARTS DETAILS OF VALVE ASSEMBLIES)**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME SPECIFIED SURFACES ONE COAT PER 202.
- C PAINT PRIME SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- D TOUCH UP AS REQUIRED PER 237.

A504 **PRIMER AND BLACK URETHANE ALUMINUM ALLOY CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME EXPOSED SURFACES ONE COAT PER 202.
- C PRIME SPECIFIED REMAINING SURFACES TWO COATS PER 205 (OR 245).
- D PAINT EXPOSED SURFACES WITH BLACK URETHANE COATING PER 252.
- E TOUCH UP AS REQUIRED PER 270.

A505 **REWORK OF ANODIZED PART - WHITE URETHANE AND 16NXXXX FINISH. ALL ALUMINUM ALLOYS**

- A CLEAN AND BRUSH CHEM FILM ALL ALUMINUM SURFACES PER 134.
- B PRIME ONE COAT INTERIOR SURFACES PER 202.
- C PAINT INTERIOR PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- D PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
- E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER DRAWING 16N0001.
- F TOUCH UP AS REQUIRED PER 237 AND 242.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A506 **WHITE URETHANE AND HARD ANODIZE ALUMINUM ALLOY CASTINGS**

- A HARD ANODIZE SPECIFIED SURFACES PER 157.
- B BRUSH CHEM FILM TREAT AREAS NOT HARD ANODIZED, PER 134.
- C ON SPECIFIED INTERIOR SURFACES PRIME ONE COAT PER 202.
- D APPLY WHITE URETHANE COATING TO PRIMED INTERIOR SURFACES PER 222 (OR 274).
- E TOUCH UP INTERIOR PER 237.

NOTE: AS AN OPTION, SPRAY LUBRICANT MAY BE APPLIED TO THE HARD ANODIZE PER 230 TO ACHIEVE A UNIFORM APPEARANCE.

A507 **PRIMER AND AMS-C-27725 FUEL TANK COATING ALUMINUM CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME TWO COATS ON INTERIOR NON-FUEL SURFACES PER 205 (OR 245).
- D TOUCH UP AS REQUIRED PER 236 AND 240.

A508 **SOLID FILM LUBRICANT AND HARD ANODIZE ALL ALUMINUM ALLOYS**

- A HARD ANODIZE ALL SURFACES PER 113.
- B APPLY DRY SOLID FILM LUBRICANT TO SPECIFIED AREA PER 207.
- C TOUCH UP AS REQUIRED PER 362.

A509 **BLACK EPOXY ENAMEL/BLACK URETHANE AND HARD ANODIZE - ALL ALUMINUM ALLOYS**

- A HARD ANODIZE ALL SURFACES PER 113.
- B PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
- C PAINT SPECIFIED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
- D TOUCH UP AS REQUIRED PER 239.

A510 **PRIMER AND WHITE URETHANE 7000 SERIES AND 2219 ALUMINUM ALLOYS (FOR PRESS FIT APPLICATIONS)**

- A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
- B PRIME ONE COAT ON SURFACES SPECIFIED FOR WHITE COLOR PER 202
- C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- D PRIME TWO COATS ON REMAINING SURFACES UNLESS OTHERWISE NOTED PER 205 (OR 245).
- E TOUCH UP AS REQUIRED PER 236 AND 237.
- F (SEE A566 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A511 **16NXXXX FINISH**
2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT ALL SURFACES WITH LIGHT GRAY URETHANE COATING PER 253 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE COLORS OF URETHANE SPECIFIED ON APPLICABLE 16NXXXX PAINTING DRAWING.
D TOUCH-UP AS REQUIRED PER 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP FOR PRODUCTION AIRCRAFT PER 298.

A512 **16NXXXX FINISH**
7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT ALL SURFACES WITH LIGHT GRAY URETHANE COATING PER 253 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE COLORS OF URETHANE SPECIFIED ON APPLICABLE 16NXXXX PAINTING DRAWING.
D TOUCH-UP AS REQUIRED PER 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP FOR PRODUCTION AIRCRAFT PER 298.
E (SEE A511 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A513 **16NXXXX FINISH**
ALUMINUM CASTINGS AND 1000, 3000, 5000 AND 6000 SERIES AND CLAD ALUMINUM ALLOYS

A CHEMICAL FILM ALL SURFACES PER 105.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT ALL SURFACES WITH LIGHT GRAY URETHANE COATING PER (253 OR 276) FOR FSD AIRCRAFT (16: NO. 2 THRU NO. 6, AND 62: NO.1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE COLORS OF URETHANE SPECIFIED ON APPLICABLE 16NXXXX PAINTING DRAWING.
D TOUCH-UP AS REQUIRED PER 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP FOR PRODUCTION AIRCRAFT PER 298.

A514 **16NXXXX FINISH**
2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ALL SURFACES SPECIFIED FOR LIGHT GRAY COLOR PER 202.
C PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE COLORS OF URETHANE SPECIFIED ON APPLICABLE 16NXXXX PAINTING DRAWING
D TOUCH-UP AS REQUIRED PER 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP FOR PRODUCTION AIRCRAFT PER 298.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A515 **16NXXXX FINISH**
7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME ONE COAT SURFACES SPECIFIED FOR LIGHT GRAY COLOR PER 202.
C PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE COLORS OF URETHANE SPECIFIED ON APPLICABLE 16NXXXX PAINTING DRAWING
D TOUCH-UP AS REQUIRED PER 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP FOR PRODUCTION AIRCRAFT PER 298.
E (SEE A514 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A516 **16NXXXX FINISH - ALUMINUM CASTINGS AND 1000, 3000, 5000, 6000 SERIES AND CLAD ALUMINUM ALLOYS**

A CHEMICAL FILM ALL SURFACES PER 105.
B PRIME ONE COAT SURFACES SPECIFIED FOR LIGHT GRAY COLOR PER 202.
C PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE COLORS OF URETHANE SPECIFIED ON APPLICABLE 16NXXXX PAINTING DRAWING.
D TOUCH-UP AS REQUIRED PER 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP FOR PRODUCTION AIRCRAFT PER 298.

A517 **PRIMER AND 16NXXXX FINISH**
ALUMINUM CASTINGS AND 1000, 3000, 5000, 6000 SERIES ALUMINUM ALLOYS

A CHEMICAL FILM ALL SURFACES PER 105.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
E TOUCH UP AS REQUIRED PER 242 AND 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 298.

A518 **WHITE URETHANE AND BLACK EPOXY ENAMEL/BLACK URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D PAINT REMAINING SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
E TOUCH UP AS REQUIRED PER 237 AND 239.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A519 **REWORK OF ANODIZED PART - WHITE URETHANE**
ALL ALUMINUM ALLOYS

A CLEAN AND BRUSH CHEM FILM ALL ALUMINUM SURFACES PER 168.
B PRIME ONE COAT SPECIFIED SURFACES PER 202.
C PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D TOUCH UP AS REQUIRED PER 237.

A520 **REWORK OF ANODIZED PART - PRIMED**
ALL ALUMINUM ALLOYS

A CLEAN AND BRUSH CHEM FILM ALL SURFACES PER 168.
B PRIME TWO COATS SPECIFIED SURFACES PER 205 (OR 245).
C TOUCH UP AS REQUIRED PER 236.

A521 **WHITE URETHANE AND 16NXXXX FINISH**
ALUMINUM ALLOY CASTINGS (USE WITH CLOSE TOLERANCE HOLES)

A CHEM FILM ALL SURFACES PER 105.
B PRIME SPECIFIED INTERIOR SURFACES ONE COAT PER 202.
C PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
E FINISH EXTERIOR SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
F TOUCH UP AS REQUIRED PER 235, 237 AND 242.

A522 **DARK GRAY URETHANE**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT ALL SURFACES WITH DARK GRAY URETHANE COATING PER 263.
D TOUCH UP AS REQUIRED PER 258.
E (SEE A721 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A523 **DARK GRAY URETHANE**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME ONE COAT SURFACES SPECIFIED FOR DARK GRAY COLOR PER 202.
C PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE PER 257.
D TOUCH UP AS REQUIRED PER 258.
E (SEE A565 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A524	**16NXXXX FINISH** **CLAD AND 1000, 3000, 5000, AND 6000 SERIES** **ALUMINUM ALLOYS AND ALUMINUM ALLOY CASTINGS** A CHEM FILM ALL SURFACES PER 105. B PRIME ONE COAT ALL SURFACES PER 201. C PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING. D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER DRAWING 16N0001. E TOUCH UP AS REQUIRED PER 242 AND 258 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 298.
A526	**BLACK EPOXY ENAMEL/BLACK URETHANE AND** **BLACK DYE ANODIZE FOR THERMAL CONTROL.** **ALL ALUMINUM WROUGHT AND CAST ALLOYS** A SULFURIC ACID ANODIZE AND DYE BLACK ALL SURFACES PER 163. B PRIME ONE COAT SPECIFIED SURFACES PER 202. C PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213. D TOUCH UP AS REQUIRED PER 239.
A527	**PRIMER AND BLACK DYE ANODIZE FOR THERMAL CONTROL** **FOR CLAD OR 1000, 3000, 5000 AND 6000 SERIES ALUMINUM ALLOYS** A SULFURIC ACID ANODIZE AND DYE BLACK ALL SURFACES PER 163. B PRIME ONE COAT SPECIFIED SURFACES PER 202. C TOUCH UP AS REQUIRED PER 242.
A528	**REWORK OF ANODIZED PART - 16NXXXX FINISH** **ALL ALUMINUM ALLOYS** A CLEAN AND BRUSH CHEM FILM ALL ALUMINUM PER 134. B PRIME ONE COAT SPECIFIED SURFACES PER 202. C PAINT PRIMED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OR URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING. D TOUCH-UP AS REQUIRED PER 258 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 298.
A529	**BLACK EPOXY ENAMEL/BLACK URETHANE** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS (CLOSE TOLERANCE FITS)** A ANODIZE ALL SURFACES PER 111. B PRIME SPECIFIED SURFACES ONE COAT PER 202. C PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213. D TOUCH UP AS REQUIRED PER 239.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A530 **BLACK EPOXY ENAMEL/BLACK URETHANE**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 234.
D TOUCH UP AS REQUIRED PER 239.
E (SEE A440 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A531 **GRAY EPOXY ENAMEL/GRAY URETHANE AND HARD ANODIZE**
ALL ALUMINUM ALLOYS

A HARD ANODIZE ALL SURFACES PER 113.
B PRIME SPECIFIED SURFACES ONE COAT PER 202.
C PAINT PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
D TOUCH UP AS REQUIRED PER 238.

A532 **BLACK EPOXY ENAMEL/BLACK URETHANE**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS
(FOR USE WITH CLOSE TOLERANCE HOLES)

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME SPECIFIED SURFACES ONE COAT PER 202.
C PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
D TOUCH UP AS REQUIRED PER 239.
E (SEE A529 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A533 **ORANGE-YELLOW EPOXY ENAMEL/ORANGE-YELLOW URETHANE**
AND HARD ANODIZE - ALL ALUMINUM ALLOYS

A HARD ANODIZE ALL SURFACES PER 113.
B PRIME ONE COAT SPECIFIED SURFACES PER 202.
C PAINT PRIMED SURFACES WITH ORANGE-YELLOW EPOXY ENAMEL OR ORANGE-YELLOW URETHANE PER 216.
D TOUCH UP AS REQUIRED PER 243.

A535 **P6096-2 FLAT BLACK URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT ALL SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 266 (OR 286).
D TOUCH UP AS REQUIRED PER 241.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A536 **WHITE URETHANE AND HARD ANODIZE**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS

A HARD ANODIZE SPECIFIED SURFACES PER 115.
B SULFURIC ACID ANODIZE REMAINING SURFACES PER 124.
C PRIME ONE COAT SPECIFIED SURFACES PER 202.
D PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
E TOUCH UP AS REQUIRED PER 237.

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A537 **PRIMER AND WHITE URETHANE**
ALUMINUM ALLOY CASTINGS

A CHEMICAL FILM ALL SURFACES PER 105.
B PRIME SPECIFIED SURFACES TWO COATS PER 205 (OR 245).
C PRIME ONE COAT SURFACES REQUIRING WHITE COLOR PER 202.
D PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
E TOUCH UP AS REQUIRED PER 236 AND 237.

A538 **PAINTING OF EXISTING ZINC CHROMATE-PRIMED ALUM. PARTS – 16NXXXX FINISH.**
ALL PRIMED ALUMINUM ALLOY MATERIALS

A CLEAN AREAS SPECIFIED FOR PAINTING BY SOLVENT WIPING WITH TT-N-95 NAPHTHA OR BRULIN SAFETY SOLVENT NO. 512.
B LIGHTLY ABRADE PRIMED AREAS OF SURFACES SPECIFIED FOR PAINTING WITH #320 OR FINER ABRASIVE SUCH AS ALUMINUM OXIDE OR EMERY CLOTH.
C RE-WIPE ABRADED SURFACE PER (A) ABOVE.
D BRUSH CHEMICAL FILM ANY UNPRIMED AREAS OF ALUMINUM REQUIRED TO BE PAINTED PER 134.
E APPLY ONE COAT PRIMER TO SURFACES REQUIRING PAINT, PER 202.
F PAINT PRIMED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277 FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
G TOUCH-UP AS REQUIRED PER 260 (FOR THE GRAY COLOR ON FSD AIR-CRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 298
H (INACTIVE FOR NEW DESIGN).

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A539 **16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS (TAIL HOOK COMPARTMENT)

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED AS APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER DRAWING 16N0001.
E TOUCH UP AS REQUIRED PER 242 AND 258 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 298.

A540 **BLACK EPOXY ENAMEL/BLACK URETHANE -**
ALUMINUM ALLOY CASTINGS (FOR CLOSE TOLERANCE FITS)

A CHEM FILM ALL SURFACES PER 105.
B PRIME ONE COAT SURFACES SPECIFIED FOR BLACK COLOR PER 202.
C PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
D TOUCH UP AS REQUIRED PER 239.

A541 **AMS-C-27725 FUEL TANK COATING**
CLAD, 1000, 3000, 5000, OR 6000 ALUMINUM ALLOYS
(INCLUDING TUBING FOR DRAIN APPLICATIONS)

A CHEM FILM ALL SURFACES PER 105.
B APPLY AMS-C-27725 COATING ON SPECIFIED SURFACES PER 221.
C TOUCH UP AS REQUIRED PER 240.

A542 **AMS-C-27725 FUEL TANK COATING**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS (FOR
PRESS FITS AND CLOSE TOLERANCE APPLICATIONS)

A ANODIZE ALL SURFACES PER 111.
B APPLY AMS-C-27725 COATING TO SPECIFIED SURFACES PER 221.
C TOUCH UP AS REQUIRED PER 240.

A543 **16NXXXX FINISH**
CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUM.
ALLOYS (FOR CLOSE FIT APPLICATIONS)

A CHEM FILM ALL SURFACES PER 105.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT PRIMED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICATION 16NXXXX AIRCRAFT PAINTING DRAWING.
D TOUCH-UP AS REQUIRED PER 260 (FOR THE GRAY COLOR ON FSD AIR-CRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 298

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A544 **SOLID FILM LUBRICANT AND HARD ANODIZE ALL ALUMINUM ALLOYS**

- A HARD ANODIZE ALL SURFACES PER 113.
- B APPLY SOLID FILM LUBE TO ALL SURFACES PER 228 IN THICKNESSES OR DIMENSIONS AS NOTED.

A545 **16NXXXX FINISH CLAD 1000, 3000, 5000, 6000 SERIES ALUM. ALLOYS AND ALUMINUM ALLOY CASTINGS**

- A CHEM FILM ALL SURFACES PER 168.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT ALL SURFACES WITH DARK GRAY TEFLON-URETHANE COATING PER 267 (OR 288) FOR FSD AIRCRAFT (61: NO.2 THRU NO. 6 AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- D TOUCH UP AS REQUIRED PER 260 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 298.

A546 **PRIMER AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME INTERIOR SURFACES TWO COATS PER 205 (OR 245).
- C PRIME ONE COAT ON EXTERIOR SURFACES PER 202.
- D PAINT EXTERIOR SURFACES WITH LIGHT GRAY TEFLON-URETHANE COATING PER 261 (OR 287) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6 AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON-URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING. (OVERSPRAY ONTO FAYING SURFACE IS NOT PERMITTED.)
- E TOUCH UP AS REQUIRED PER 236 OR 262 FOR GRAY COLOR ON FSD AIRCRAFT. TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 236 OR 298.

A547 **PRIMER AND 16NXXXX FINISH ALUMINUM ALLOY CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME TWO COATS ON INTERIOR SURFACES PER 205 (OR 245).
- C PRIME ONE COAT ON EXTERIOR SURFACES PER 202.
- D PAINT SPECIFIED EXTERIOR SURFACE WITH DARK GRAY TEFLON-URETHANE COATING PER 259 (OR 288) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, AND 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON-URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- E FINISH REMAINING EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
- F TOUCH UP AS REQUIRED PER 236, 242 AND 260 (FOR THE GRAY COLOR OF FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 236, 242, OR 298.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A548	**P6096-2 BLACK URETHANE AND GRAY EPOXY ENAMEL/GRAY URETHANE. CLAD, 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS & CASTINGS.**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME SURFACES REQUIRING BLACK OR GRAY COLOR ONE COAT PER 202.
	C PAINT SPECIFIED SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286)
	D PAINT SPECIFIED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	E TOUCH UP AS REQUIRED PER 238 AND 241.
A549	**AMS-C-27725 FUEL TANK COATING AND BLACK EPOXY ENAMEL/ BLACK URETHANE - BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY FUEL TANK COATING AMS-C-27725 TO FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME ONE COAT TO SURFACES SPECIFIED FOR BLACK EPOXY PER 202
	D PAINT SPECIFIED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	E TOUCH UP AS REQUIRED PER 239 AND 240.
A550	**AMS-C-27725 FUEL TANK COATING AND GRAY EPOXY ENAMEL/GRAY URETHANE BARE 2000 AND 7000 SERIES ALUM. ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING ON SPECIFIED SURFACES PER 221.
	C PRIME REMAINING SURFACES ONE COAT PER 202.
	D PAINT PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	E TOUCH UP AS REQUIRED PER 238 AND 240.
A551	**ORANGE-YELLOW EPOXY ENAMEL/ORANGE-YELLOW URETHANE EMERGENCY EXITS & RELEASES: CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS & CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT ALL SURFACES WITH ORANGE-YELLOW EPOXY ENAMEL OR ORANGE-YELLOW URETHANE PER 271.
	D TOUCH UP AS REQUIRED PER 243.
A552	**AMS-C-27725 FUEL TANK COATING & GRAY EPOXY ENAMEL/GRAY UETHANE BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS**
	A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
	B APPLY AMS-C-27725 COATING ON SPECIFIED SURFACES PER 221.
	C PRIME REMAINING SURFACES ONE COAT PER 202.
	D PAINT PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	E TOUCH UP AS REQUIRED PER 238 AND 240.
	F (SEE A550 FOR PREFERRED CODE).
	NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE **APPLICABLE FINISH**

A553 **WHITE URETHANE AND 16NXXXX FINISH**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME ONE COAT INTERIOR SURFACES PER 202.
C PRIME EXTERIOR EXPOSED SURFACE ONE COAT PER 202.
D PAINT INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY. PER DRAWING 16N0001.
F TOUCH UP PER 235 AND 237.
G (SEE A464 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A554 **BLACK EPOXY ENAMEL/BLACK URETHANE**
CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUM. ALLOYS AND ALUMINUM CASTINGS

A CHEM FILM ALL SURFACES PER 105.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT ALL SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 234.
D TOUCH UP AS REQUIRED PER 239.

A555 **GRAY EPOXY ENAMEL/GRAY URETHANE AND SOLID FILM LUBRICANT.**
CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS.

A CHEM FILM ALL SURFACES PER 105.
B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES PER 207.
C PRIME SPECIFIED SURFACES ONE COAT PER 202.
D PAINT PRIMED SURFACES ONE COAT OF GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
E TOUCH UP AS REQUIRED PER 230 AND 238.

A556 **AMS-C-27725 FUEL TANK COATING AND WHITE URETHANE**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE SPECIFIED AREAS PER 124.
B CHEM FILM AREAS NOT ANODIZED PER 134.
C APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
D PRIME EXPOSED SURFACES ONE COAT PER 202.
E PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
F TOUCH UP AS REQUIRED PER 237 AND 240.
G (SEE A430 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A557 **SOLID FILM LUBRICANT**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS
(CLOSE FITTING OR THREADED PARTS)

A ANODIZE ALL SURFACES PER 111.
B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES PER 207.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A558	**P6096-2 FLAT BLACK URETHANE & SOLID FILM LUBRICANT** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS** A ANODIZE ALL SURFACES PER 111. B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES PER 207. C PRIME SPECIFIED SURFACES ONE COAT PER 202. D PAINT PRIMED SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286). E TOUCH UP AS REQUIRED PER 241.
A559	**P6096-2 FLAT BLACK URETHANE** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS** **(FOR CLOSE TOLERANCE FITS)** A ANODIZE ALL SURFACES PER 111. B PRIME SPECIFIED SURFACES ONE COAT PER 202. C PAINT PRIMED SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286). D TOUCH UP AS REQUIRED PER 241.
A560	**P6096-2 FLAT BLACK URETHANE AND HARD ANODIZE** **1000, 3000, 5000, AND 6000 SERIES AND CLAD ALUMINUM AND CASTINGS** A HARD ANODIZE ALL SURFACES EXCEPT THREADS PER 115. B CHEM FILM UNANODIZED THREADS PER 105. C PRIME SPECIFIED SURFACES ONE COAT PER 202. D PAINT PRIMED SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286). E TOUCH UP AS REQUIRED PER 241.
A561	**PRIMER AND SOLID FILM LUBRICANT** **CLAD AND 1000, 3000, 5000, 6000 SERIES ALUMINUM ALLOYS** A CHEM FILM ALL SURFACES PER 105. B APPLY SOLID FILM LUBE TO EXPOSED SURFACES IN THICKNESS OR DIMENSIONS AS NOTED PER 207. C PRIME REMAINING SURFACES ONE COAT PER 202. D TOUCH UP AS REQUIRED PER 242.
A562	**PRIMER** **7000 SERIES AND 2219 ALUMINUM ALLOYS** A SULFURIC ACID ANODIZE SPECIFIED SURFACES PER 124. B CHEM FILM UNANODIZED SURFACES PER 134. C PRIME ALL SURFACES TWO COATS PER 204. D TOUCH UP AS REQUIRED PER 236. E (SEE A403 FOR PREFERRED CODE). NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.
A563	**PRIMER** **USE ONLY FOR 2024 SHIM MATERIAL** A BRUSH CHEM FILM TREAT PER 168. B PRIME TWO COATS ALL SURFACES PER 204 (OR 245). C (INACTIVE FOR NEW DESIGN).

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A564	**AMS-C-27725 FUEL TANK COATING BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS (CLOSE TOLERANCE APPLICATIONS)** A ANODIZE ALL SURFACES PER 111. B APPLY AMS-C-27725 COATING TO SPECIFIED SURFACES PER 221. C TOUCH UP AS REQUIRED PER 240.
A565	**DARK GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS (FOR CLOSE TOLERANCE FITS)** A ANODIZE ALL SURFACES PER 111. B PRIME ONE COAT SURFACES SPECIFIED FOR DARK GRAY COLOR PER 202. C PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE PER 257 (OR 277). D TOUCH UP AS REQUIRED PER 258.
A566	**PRIMER AND WHITE URETHANE. BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS (CAN BE USED FOR CLOSE TOLERANCE APPLICATIONS)** A ANODIZE ALL SURFACES PER 111. B PRIME ONE COAT ON SURFACES SPECIFIED FOR WHITE COLOR PER 202 C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274). D PRIME TWO COATS ON REMAINING SURFACES, UNLESS OTHERWISE NOTED, PER 205 (OR 245). E TOUCH UP AS REQUIRED PER 236 AND 237.
A567	**16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS** A ANODIZE ALL SURFACES PER 111. B PRIME ONE COAT ALL SURFACES PER 201. C PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING. D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001. E TOUCH UP AS REQUIRED PER 235, 242 AND 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 242 OR 298.
A568	**PRIMER AND BLACK EPOXY ENAMEL CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS** A CHEM FILM ALL SURFACES PER 105. B PRIME SPECIFIED INTERIOR SURFACE ONE COAT PER 202. C PRIME SPECIFIED EXPOSED SURFACE ONE COAT PER 202. D PAINT PRIMED EXPOSED SURFACE WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213. E TOUCH UP AS REQUIRED PER 239 AND 242.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A569	**SOLID FILM LUBRICANT** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS** A ANODIZE ALL SURFACES PER 111. B APPLY SOLID FILM LUBE TO ALL SURFACES PER 228 IN THICKNESSES OR DIMENSIONS AS NOTED.
A570	**P6096-2 FLAT BLACK URETHANE** **ALUM. CASTINGS AND CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS** A CHEM FILM ALL SURFACES PER 105. B PRIME ONE COAT ALL SURFACES PER 201. C PAINT ALL SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 266 (OR 286). D TOUCH UP AS REQUIRED PER 241.
A571	**P6096-2 FLAT BLACK URETHANE. ALUMINUM CASTINGS, CLAD OR 1000,3000,5000,OR 6000 SERIES ALUM. ALLOYS (FOR TIGHT FIT OR ELECTRICAL BOND APPLICATIONS)** A CHEM FILM ALL SURFACES PER 105. B PRIME ONE COAT SPECIFIED SURFACES PER 202. C PAINT PRIME SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286). D TOUCH UP AS REQUIRED PER 241.
A572	**GRAY EPOXY ENAMEL/GRAY URETHANE – 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND ELECTRICAL BONDING ON 2000 & 7000 SERIES ALUM.** A CHEM FILM ALL SURFACES PER 176. B PRIME ONE COAT SPECIFIED SURFACES PER 202. C PAINT ONE COAT PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211. D TOUCH UP AS REQUIRED PER 238.
A573	**PRIMER AND 16NXXXX FINISH** **BARE 2000 & 7000 SERIES ALUMINUM ALLOYS** A ANODIZE ALL SURFACES PER 111. B PRIME INTERIOR SURFACES TWO COATS PER 205 (OR 245). C PRIME EXTERIOR SURFACES ONE COAT PER 202. D PAINT EXTERIOR SURFACES WITH DARK GRAY TEFLON-URETHANE COATING PER 259 (OR 288) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON-URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING. (OVERSPRAY OF THE TEFLON -URETHANE COATING ONTO FAYING SURFACES IS NOT PERMITTED.) E TOUCH UP AS REQUIRED PER 236 OR 260 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 236 OR 298.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A574 **16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT SURFACES SPECIFIED FOR LIGHT GRAY COLOR PER 202.
C PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
D TOUCH UP AS REQUIRED PER 236 AND 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 236 AND 298.

A575 **PRIMER AND LIGHT GRAY URETHANE**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME ONE COAT SURFACES SPECIFIED FOR LIGHT GRAY COLOR PER 202.
C PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276).
D PRIME TWO COATS REMAINING SURFACES UNLESS OTHERWISE SPECIFIED PER 205 (OR 245).
E TOUCH UP AS REQUIRED PER 236 AND 255.
F (SEE A576 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A576 **PRIMER AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT SURFACES SPECIFIED FOR LIGHT GRAY COLOR PER 202.
C PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
D PRIME TWO COATS REMAINING SURFACES, UNLESS OTHERWISE SPECIFIED, PER 205 (OR 245).
E TOUCH UP AS REQUIRED PER 236 AND 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 236 AND 298.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A577	**AMS-C-27725 FUEL TANK COATING AND 16NXXXX BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACE AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME ONE COAT EXTERIOR SURFACES REQUIRING LIGHT GRAY COLOR PER 202.
	D PAINT SPECIFIED EXTERIOR SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
	E TOUCH UP AS REQUIRED PER 240 AND 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 240 AND 298.
A578	**DARK GRAY URETHANE. ALUM. ALLOY CASTINGS & CLAD, 1000,3000,5000, OR 6000 SERIES ALUMINUM ALLOYS & ELECTRICAL BONDING ON 2000 & 7000 SERIES ALUMINUM**
	A CHEM FILM ALL SURFACES PER 176.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
	D TOUCH UP AS REQUIRED PER 258.
A579	**REWORK OF ANODIZED PART - GRAY EPOXY ENAMEL/ GRAY URETHANE. ALL ALUMINUM ALLOYS**
	A CLEAN AND BRUSH CHEM FILM ALL ALUMINUM SURFACES PER 134.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	D TOUCH UP AS REQUIRED PER 238.
A580	**LUSTERLESS BLACK URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT ALL SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 279 (OR 281).
	D TOUCH UP AS REQUIRED PER 285.
A581	**LUSTERLESS BLACK URETHANE CLAD & 1000,3000,5000, & 6000 SERIES ALUM. ALLOYS AND ALUMINUM CASTINGS (FOR CLOSE TOLERANCE FITS)**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME SPECIFIED SURFACES ONE COAT PER 202.
	C PAINT PRIMED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
	D TOUCH UP AS REQUIRED PER 285.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A582 **LUSTERLESS BLACK URETHANE CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM AND ALUMINUM CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ALL SURFACES ONE COAT PER 201.
- C PAINT ALL SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 279 (OR 281).
- D TOUCH UP AS REQUIRED PER 285.

A583 **AMS-C-27725 FUEL TANK COATING AND LUSTERLESS BLACK URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME NON-FUEL SURFACES ONE COAT PER 202.
- D PAINT PRIMED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
- E TOUCH UP AS REQUIRED PER 240 OR 285.

A584 **LUSTERLESS BLACK URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS (FOR CLOSE TOLERANCE FITS)**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME SPECIFIED SURFACES ONE COAT PER 202.
- C PAINT PRIMED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
- D TOUCH UP AS REQUIRED PER 285.

A585 **LUSTERLESS BLACK URETHANE AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT INTERIOR SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
- D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
- E TOUCH UP AS REQUIRED PER 235, 242, OR 285.

A586 **LUSTERLESS BLACK URETHANE AND 16NXXXX FINISH CLAD OR 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS OR ALUMINUM CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT INTERIOR SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
- D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
- E TOUCH UP AS REQUIRED PER 235, 242, OR 285.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A587	**LUSTERLESS BLACK URETHANE AND HARD ANODIZE ALL ALUMINUM ALLOYS**
	A HARD ANODIZE ALL SURFACES PER 113.
	B PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
	C PAINT SPECIFIED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
	D TOUCH UP AS REQUIRED PER 285.
A588	**REWORK OF ANODIZE PART - LUSTERLESS BLACK URETHANE ALL ALUMINUM ALLOYS**
	A CLEAN AND BRUSH CHEM FILM ALL SURFACES PER 134.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
	D TOUCH UP AS REQUIRED PER 285.
A589	**LUSTERLESS GRAY URETHANE AND HARD ANODIZE ALL ALUMINUM ALLOYS**
	A HARD ANODIZE ALL SURFACES PER 113.
	B PRIME SPECIFIED SURFACES ONE COAT PER 202.
	C PAINT PRIMED SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
	D TOUCH UP AS REQUIRED PER 284.
A590	**LUSTERLESS GRAY URETHANE CLAD AND 1000, 3000, 5000, & 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT ALL SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 278 (OR 280).
	D TOUCH UP AS REQUIRED PER 284.
A591	**LUSTERLESS GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT ALL SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 278 (OR 280).
	D TOUCH UP AS REQUIRED PER 284.
A592	**AMS-C-27725 FUEL TANK COATING AND LUSTERLESS GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME NON-FUEL SURFACES ONE COAT PER 202.
	D PAINT PRIMED SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
	E TOUCH UP AS REQUIRED PER 240 AND 284.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A593	**WHITE URETHANE AND LUSTERLESS GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	D PAINT SPECIFIED SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
	E TOUCH-UP AS REQUIRED PER 237 OR 284.
A594	**LUSTERLESS GRAY URETHANE AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT INTERIOR SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
	D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 242 OR 284.
A595	**LUSTERLESS GRAY URETHANE AND 16NXXXX FINISH CLAD & 1000,3000,5000, & 6000 SERIES ALUM. ALLOYS AND ALUMINUM CASTINGS (FOR CLOSE TOLERANCE FITS)**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT INTERIOR SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
	D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 242 OR 284.
A596	**WHITE URETHANE AND LUSTERLESS BLACK URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	D PAINT REMAINING SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
	E TOUCH UP AS REQUIRED PER 237 OR 285.
A597	**P6096-2 FLAT BLACK URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ALL SURFACES WITH P6096-2 FLAT BLACK URETHANE COATING PER 266 (OR 286).
	D TOUCH UP AS REQUIRED PER 241.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A598 **PRIMER AND LUSTERLESS GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME SPECIFIED SURFACES TWO COATS PER 205 (OR 245).
- C PRIME ONE COAT SURFACES SPECIFIED FOR GRAY COLOR PER 202.
- D PAINT SPECIFIED SURFACES WITH LUSTERLESS GRAY URETHANE PER 282 (OR 280).
- E TOUCH UP AS REQUIRED PER 236 OR 284.

A599 **BLACK EPOXY ENAMEL/BLACK URETHANE. CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**

- A CHEM FILM ALL SURFACES PER 176.
- B PRIME ONE COAT SPECIFIED SURFACES PER 202.
- C PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
- D TOUCH UP AS REQUIRED PER 239.

A600 **WHITE URETHANE AND LUSTERLESS BLACK URETHANE CLAD AND 1000, 3000, 5000 AND 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM ALLOY CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT SPECIFIED SURFACES WITH WHITE URETHANE PER 222 (OR 274).
- D PAINT REMAINING SURFACES WITH LUSTERLESS BLACK URETHANE PER 283 (OR 281).
- E TOUCH UP AS REQUIRED PER 237 OR 285.

A601 **LUSTERLESS GRAY URETHANE AND HARD ANODIZE ALL ALUMINUM ALLOYS**

- A HARD ANODIZE SPECIFIED SURFACES PER 115.
- B BRUSH CHEM FILM NON-HARD ANODIZED SURFACES PER 134.
- C PRIME ONE COAT NON-HARD ANODIZED SURFACES PER 202.
- D PAINT PRIMED SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
- E TOUCH UP AS REQUIRED PER 284.

A602 **LUSTERLESS GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS (FOR CLOSE TOLERANCE FITS)**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
- C PAINT PRIMED SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
- D TOUCH UP AS REQUIRED PER 284.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A603	**LUSTERLESS GRAY URETHANE ALUMINUM CASTINGS & 1000, 3000, 5000, 6000 SERIES & CLAD ALUMINUM ALLOYS (FOR CLOSE TOLERANCE FITS)**
	A CHEMICAL FILM ALL SURFACES PER 105.
	B PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
	D TOUCH UP AS REQUIRED PER 284.
A604	**P6096-2 FLAT BLACK URETHANE. CLAD & 1000,3000,5000 AND 6000 SERIES ALUMINUM ALLOYS (FOR ELECTRICALLY BONDED AREAS OR FOR CLOSE FIT TOLERANCE PARTS)**
	A CHEMICAL FILM ALL SURFACE PER 176.
	B PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
	C PAINT EXPOSED SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
	D TOUCH UP AS REQUIRED PER 241 AND 242.
A605	**DARK GRAY URETHANE. CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS OR ALUMINUM CASTINGS (FOR CLOSE FIT TOLERANCE PARTS OR ELECTRICAL BOND)**
	A CHEM FILM ALL SURFACES PER 176.
	B PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
	D TOUCH UP AS REQUIRED PER 258.
A606	**WHITE URETHANE AND LUSTERLESS GRAY URETHANE CLAD AND 1000, 3000, 5000 AND 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	D PAINT REMAINING SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
	E TOUCH UP AS REQUIRED PER 237 OR 284.
A607	**REWORK OF CURED PRIMER - GRAY EPOXY ENAMEL/GRAY URETHANE. ALL ALUMINUM ALLOYS COVERED WITH CURED PRIMER**
	A CLEAN AND ACTIVATE CURED PRIMER PER 174.
	B PAINT ALL SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 227.
	C TOUCH UP AS REQUIRED PER 238.
A608	**PRIMER AND 16NXXXX FINISH CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ONE COAT ON SPECIFIED INTERIOR SURFACES AND EXTERIOR SURFACES PER 202.
	C FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	D TOUCH UP AS REQUIRED PER 235 AND 242.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A609 **GRAY URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT ALL SURFACES WITH GRAY COLOR 36270 URETHANE COATING PER 289 (OR 292).
D TOUCH UP AS REQUIRED PER 291.

A610 **GRAY URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS
(FOR CLOSE FIT TOLERANCES)

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT SPECIFIED SURFACES PER 202.
C PAINT PRIMED SURFACES WITH GRAY COLOR 36270 URETHANE COATING PER 290 (OR 292).
D TOUCH UP AS REQUIRED PER 291.

A611 **REWORK OF ANODIZED PART - GRAY URETHANE AND 16NXXXX FINISH.**
ALL ALUMINUM ALLOYS

A CLEAN AND BRUSH CHEM FILM ALUMINUM SURFACES REQUIRING PRIMER PER 134.
B PRIME ONE COAT SPECIFIED INTERIOR SURFACES PER 202.
C PAINT SPECIFIED SURFACES WITH GRAY COLOR 36270 URETHANE COATING PER 290 (OR 292).
D PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER DRAWING 16N0001.
F TOUCH UP AS REQUIRED PER 242 AND 291.

A612 **GRAY URETHANE AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ALL SURFACES ONE COAT PER 201.
C PAINT SPECIFIED SURFACES WITH GRAY COLOR 36270 URETHANE COATING PER 290 (OR 292).
D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER DRAWING 16N0001.
E TOUCH UP AS REQUIRED PER 242 AND 291.

A613 **PRIMER AND GRAY URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT SURFACES SPECIFIED FOR GRAY COLOR PER 202.
C PRIME TWO COATS REMAINING SURFACES PER 205 (OR 245).
D PAINT SPECIFIED SURFACES WITH GRAY COLOR 36270 URETHANE COATING PER 290 (OR 292).
E TOUCH UP AS REQUIRED PER 236 AND 291.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A614	**WHITE ACRYLIC LACQUER/WHITE URETHANE CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT ALL SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 293 (OR 296).
	D TOUCH UP AS REQUIRED PER 295.
A615	**PRIMER AND WHITE ACRYLIC LACQUER/WHITE URETHANE CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	D TOUCH-UP AS REQUIRED PER 295.
A616	**WHITE ACRYLIC LACQUER/WHITE URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ALL SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 293 (OR 296).
	D TOUCH-UP AS REQUIRED PER 295.
A617	**WHITE ACRYLIC LACQUER/WHITE URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS (FOR CLOSE FIT TOLERANCES)**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	D TOUCH UP AS REQUIRED PER 295.
A618	**WHITE ACRYLIC LACQUER/WHITE URETHANE. CLAD & 1000 3000,5000 & 6000 SERIES ALUM ALLOY & CASTINGS (FOR DETAIL OF VALVE ASSEMBLY & FOR ELECTRICAL BONDING)**
	A CHEM FILM ALL SURFACES PER 176.
	B PRIME SPECIFIED SURFACES ONE COAT PER 202.
	C PAINT PRIMED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	D TOUCH UP AS REQUIRED PER 295.
A619	**REWORK OF ANODIZED PART - WHITE ACRYLIC LACQUER/WHITE URETHANE. ALL ALUMINUM ALLOYS**
	A CLEAN AND BRUSH CHEM FILM ALUMINUM SURFACES REQUIRING PRIMER PER 134.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT PRIME SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	D TOUCH UP AS REQUIRED PER 295.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A620	**ALUM TUBING ASSEMBLY - WHITE ACRYLIC LACQUER/WHT URETHANE. PNEUMATIC, AIR DATA, HYDRAULICS & FUEL TUBING-EXPOSED IN AVIONIC-ELECTRONIC COMPARTMENTS.**
	A CHEM FILM, EXTERIOR SURFACE ONLY, PER 107.
	B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT PRIMER .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 202.
	C FOR TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT PRIMER AS SPECIFIED PER 203.
	D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT) PRIME ONE COAT EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 272.
	E FOR TUBE ASSEMBLIES WITH BEADED TUBE ENDS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING PER 272.
	F PAINT PRIMED SURFACE WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 299 (OR 296).
	G FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, TOUCHING UP AS REQUIRED PER 295; BUT TOUCH UP ACROSS A C7551 ASSEMBLED JOINT IS NOT PERMITTED.
	H FOR TUBE ASSEMBLIES WITH "PERMASWAGE", "DYNATUBE", OR FLARED FITTINGS, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 295.
	I FOR TUBE OR WELDED ASSEMBLIES CONTAINING SEALED DOORS, FINISH (CHEM FILM, PRIME, AND PAINT) SHOULD BE OMITTED FROM SURFACE OF GASKET.
A621	**WHITE URETHANE AND WHITE ACRYLIC LACQUER/WHITE URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SURFACES SPECIFIED FOR WHITE URETHANE COATING PER 222 (OR 274).
	D PAINT REMAINING SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	E TOUCH UP AS REQUIRED PER 295.
A622	**WHITE ACRYLIC LACQUER/WHITE URETHANE & LUSTERLESS GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	D PAINT REMAINING SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
	E TOUCH UP AS REQUIRED PER 295 OR 284.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A623 **WHITE ACRYLIC LACQUER/WHITE URETHANE AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT INTERIOR SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
- D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- E TOUCH UP AS REQUIRED PER 235, 242 OR 295.

A624 **WHITE ACRYLIC LACQUER/WHITE URETHANE AND LUSTERLESS BLACK URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
- D PAINT REMAINING SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
- E TOUCH UP AS REQUIRED PER 295.

A625 **AMS-C-27725 FUEL TANK COATING AND WHITE ACRYLIC LACQUER/WHITE URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME REMAINING SURFACES ONE COAT PER 202.
- D PAINT REMAINING SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
- E TOUCH UP AS REQUIRED PER 240 OR 295.

A626 **PRIMER AND WHITE ACRYLIC LACQUER/WHITE URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME TWO COATS SURFACES NOT REQUIRING WHITE COLOR PER 205 (OR 245).
- C PRIME ONE COAT SURFACES REQUIRING WHITE COLOR PER 202.
- D PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
- E TOUCH UP AS REQUIRED PER 236 OR 295.

A627 **WHITE ACRYLIC LACQUER/WHITE URETHANE AND 16NXXXX CLAD AND 1000, 3000, 5000 AND 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ALL SURFACES ONE COAT PER 201.
- C PAINT INTERIOR SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
- D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- E TOUCH UP AS REQUIRED PER 235, 242 OR 295.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A628 **REWORK OF ANODIZED PARTS - WHITE ACRYLIC LACQUER/WHITE URETHANE AND 16NXXXX. ALL ALUMINUM ALLOYS**

- A CLEAN AND BRUSH CHEM FILM ALUMINUM SURFACES REQUIRING PRIMER PER 134.
- B PRIME ONE COAT SPECIFIED INTERIOR SURFACES PER 202.
- C PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
- D PRIME ONE COAT EXTERIOR EXPOSED SURFACES PER 202.
- E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
- F TOUCH UP AS REQUIRED PER 235, 242 AND 291.

A629 **SHIM MATERIAL - AMS-C-27725 FUEL TANK COATING USE ONLY FOR 2024 MATERIAL**

- A BRUSH CHEM FILM TREAT PER 168.
- B APPLY AMS-C-27725 COATING TO ALL SURFACES PER 220.
- C TOUCH UP AS REQUIRED PER 240.
- D (INACTIVE FOR NEW DESIGN).

A630 **PRIMER AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES EXCEPT HINGE PIN HOLES PER 202.
- C ADDITIONALLY PAINT INTERIOR SURFACES AFTER ASSEMBLY PER ASSEMBLY FINISH CODE.
- D FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER 16N0001.
- E TOUCH UP AS REQUIRED PER 235 AND 242.

A631 **PRIMER AND 16NXXXX FINISH FOR HINGED DOOR ASSEMBLIES, MINUS THE LATCHES**

- A CLEAN AND PREPARE EXPOSED INTERIOR SURFACES OF THE DOOR AND HINGE PER 297.
- B PRIME THE EXPOSED INTERIOR SURFACES ONE COAT PER 202 (OVER-SPRAY ON PRIMED ATTACHED DETAILS PERMITTED).
- C FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER 16N0001.
- D TOUCH UP AS REQUIRED PER 235, 236 AND 242.

A632 **WHITE URETHANE AND 16NXXXX FINISH FOR HINGED DOOR ASSEMBLIES, MINUS THE LATCHES**

- A CLEAN AND PREPARE EXPOSED INTERIOR SURFACES OF THE DOOR AND HINGE PER 297.
- B PAINT THE EXPOSED INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222.
- C FINISH EXTERIOR SURFACE AFTER ASSEMBLY PER 16N0001.
- D TOUCH UP AS REQUIRED PER 235, 237, AND 242.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A633	**WHITE ACRYLIC LACQUER/WHITE URETHANE. CLAD & 1000 3000,5000, & 6000 SERIES ALUM. ALLOYS(USE ONLY FOR CLOSE MATING PARTS,DETAILS OF VALVE ASSEMBLIES)**
	A CHEM FILM ALL SURFACES PER 176.
	B PRIME SPECIFIED SURFACES ONE COAT PER 202.
	C PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	D TOUCH UP AS REQUIRED PER 295.
A634	**WHITE URETHANE FINISH & HARD ANODIZE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A HARD ANODIZE SPECIFIED SURFACES PER 115.
	B ANODIZE REMAINING SURFACES PER 182.
	C PRIME ONE COAT SPECIFIED SURFACES PER 202.
	D PAINT PRIMED SURFACES WITH WHITE URETHANE PER 222 (OR 274).
	E TOUCH UP AS REQUIRED PER 237.
A635	**DARK GRAY URETHANE AND 16NXXXX FINISH - PYLONS BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS (USE ONLY FOR CLOSE TOLERANCE PARTS AND HOLES)**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT SPECIFIED INTERIOR SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
	D FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
	E TOUCH UP AS REQUIRED PER 242, 246 OR 258.
A636	**REWORK OF ANODIZED PYLONS & LAUNCHERS - DARK GRAY URETHANE AND 16NXXXX FINISH. ALL ALUMINUM ALLOYS**
	A CLEAN AND BRUSH CHEM FILM EXPOSED SURFACES PER 134.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT SPECIFIED INTERIOR SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
	D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
	E TOUCH UP AS REQUIRED PER 242, 246 OR 258.
A637	**WHITE ACRYLIC LACQUER/WHITE URETHANE AND 16NXXXX BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS.**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT THE PRIMED INTERIOR SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 235, 242, OR 295.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A638	**LUSTERLESS BLACK URETHANE** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS** **(FOR CLOSE FIT TOLERANCES PART)** A ANODIZE ALL SURFACES PER 111. B PRIME ONE COAT SPECIFIED SURFACES PER 202. C PAINT PRIMED SURFACES WITH LUSTERLESS BLACK URETHANE PER 283 (OR 281). D TOUCH UP AS REQUIRED PER 285.
A639	**MEDIUM GRAY TEFLON URETHANE** **(ADHESIVE BONDED ASSEMBLY)** A CLEAN AND BRUSH CHEM FILM ALL EXPOSED SURFACES PER 134. B PRIME ONE COAT ALL SURFACES PER 201. C APPLY MEDIUM GRAY TEFLON URETHANE COATING PER 301. D TOUCH UP AS REQUIRED PER 302.
A640	**LUSTERLESS BLACK URETHANE** **CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS** A CHEM FILM ALL SURFACES PER 105. B PRIME ONE COAT ALL SURFACES PER 201. C PAINT SPECIFIED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281). D TOUCH UP AS REQUIRED PER 242 OR 285.
A641	**LUSTERLESS RED LACQUER** **CLAD AND 1000, 3000, 5000 AND 6000 SERIES ALUMINUM ALLOYS** A CHEM FILM ALL SURFACES PER 105. B PRIME ONE COAT SPECIFIED SURFACES PER 202. C PAINT PRIMED SURFACES WITH LUSTERLESS RED LACQUER PER 303. D TOUCH UP AS REQUIRED PER 304.
A642	**MEDIUM GRAY TEFLON URETHANE** **CLAD AND 1000, 3000, 5000 AND 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS** A CHEM FILM ALL SURFACES PER 105. B PRIME ONE COAT ALL SURFACES PER 201. C APPLY MEDIUM GRAY TEFLON URETHANE COATING PER 301. D TOUCH UP AS REQUIRED PER 302.
A643	**REWORK OF ANODIZED PART - LUSTERLESS GRAY URETHANE** **ALL ALUMINUM ALLOYS** A CLEAN AND BRUSH CHEM FILM ALL SURFACES PER 134. B PRIME ONE COAT SPECIFIED SURFACES PER 202. C PAINT PRIMED SURFACES WITH LUSTERLESS GRAY URETHANE PER 282 (OR 280). D TOUCH UP AS REQUIRED PER 284.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A644 **LUSTERLESS BLACK URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A HARD ANODIZE SPECIFIED SURFACES PER 115.
B ANODIZE REMAINING SURFACES PER 114.
C PRIME SPECIFIED SURFACES ONE COAT PER 202.
D PAINT PRIMED SURFACES WITH LUSTERLESS BLACK URETHANE PER 283 (OR 281).
E TOUCH UP AS REQUIRED PER 285.

A645 **GRAY EPOXY ENAMEL/GRAY URETHANE AND HARD ANODIZE ALL ALUMINUM ALLOYS**

A HARD ANODIZE SPECIFIED SURFACES PER 115.
B ANODIZE REMAINING SURFACES PER 182.
C PRIME ONE COAT SPECIFIED SURFACES PER 202.
D PAINT PRIME SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
E TOUCH UP AS REQUIRED PER 238.

A646 **SOLID FILM LUBRICANT AND HARD ANODIZE ALL ALUMINUM ALLOYS**

A HARD ANODIZE SPECIFIED SURFACES PER 115.
B ANODIZE REMAINING SURFACES PER 182.
C APPLY SOLID FILM LUBE TO SPECIFIED SURFACES PER 207 IN THICKNESSES OR DIMENSIONS AS NOTED.
D TOUCH UP AS REQUIRED PER 362.

A647 **WHITE ACRYLIC LACQUER/WHITE URETHANE AND 16NXXXX FINISH. CLAD & 1000, 3000, 5000 AND 6000 SERIES ALUM. ALLOYS & CASTINGS (FOR CLOSE TOLERANCE FITS)**

A CHEM FILM ALL SURFACES PER 176.
B PRIME ONE COAT SPECIFIED INTERIOR SURFACES PER 202.
C PRIME ONE COAT SPECIFIED EXTERIOR SURFACES PER 202.
D PAINT SPECIFIED INTERIOR SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
F TOUCH UP AS REQUIRED PER 235, 242, OR 295.

A648 **WHITE ACRYLIC LACQUER/WHITE URETHANE AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT SPECIFIED SURFACES PER 202.
C PAINT INTERIOR SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
E TOUCH-UP AS REQUIRED PER 235, 242 OR 295.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A649	**WHITE EPOXY ENAMEL/WHITE URETHANE AND BLACK EPOXY ENAMEL/BLACK URETHANE. CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS**
	A CHEMICAL FILM ALL SURFACES PER 105.
	B PRIME SPECIFIED INTERIOR SURFACE ONE COAT PER 202.
	C PRIME SPECIFIED EXPOSED SURFACE ONE COAT PER 202.
	D PAINT SPECIFIED PRIMED EXPOSED SURFACE WITH WHITE EPOXY ENAMEL OR WHITE URETHANE PER 233.
	E PAINT SPECIFIED PRIMED EXPOSED SURFACE WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	F TOUCH UP AS REQUIRED PER 239, 242, AND 357.
A650	**PRIMER AND MEDIUM GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME TWO COATS ON SPECIFIED SURFACE PER 205 (OR 245).
	C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	D PAINT EXTERIOR EXPOSED SURFACE WITH MEDIUM GRAY URETHANE COATING PER 290.
	E TOUCH UP AS REQUIRED PER 236 AND 291.
A651	**WHITE ACRYLIC LACQUER/WHITE URETHANE AND P6194-1 COATING. CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**
	A CHEMICAL FILM ALL SURFACES PER 105.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C SCUFF SAND SURFACE SPECIFIED TO BE COATED WITH P6194-1 PER 359.
	D CLEAN SURFACE SPECIFIED TO BE COATED PER 358.
	E APPLY P6194-1 COATING TO SPECIFIED AREAS PER 360.
	F PAINT SPECIFIED SURFACE WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	G TOUCH-UP AS REQUIRED PER 295.
A652	**AMS-C-27725 FUEL TANK COATING AND SOLID FILM LUBRICANT. CLAD OR 1000,3000,5000 OR 6000 ALUMINUM ALLOYS (INCLUDING TUBING FOR DRAIN APPLICATIONS)**
	A CHEMICAL FILM ALL SURFACES PER 105.
	B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES PER 207 IN THICKNESSES OR DIMENSIONS AS NOTED.
	C APPLY AMS-C-27725 COATING ON SPECIFIED SURFACES PER 221.
	D TOUCH-UP AS REQUIRED PER 240 AND 362.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A653 **GRAY EPOXY ENAMEL/GRAY URETHANE AND P6194-1 COATING CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**

- A CHEMICAL FILM ALL SURFACES PER 176.
- B PRIME SPECIFIED SURFACES ONE COAT PER 202.
- C SCUFF SAND PRIME TO BREAK SURFACE GLOSS ON SURFACES SPECIFIED TO BE COATED WITH P6194-1 PER 359.
- D CLEAN SPECIFIED SURFACE TO BE COATED PER 358.
- E APPLY P6144-1 COATING (0.015" +/- .005" THICK) TO THE SPECIFIED AREAS AND ALLOW TO CURE 24 HOURS PER 360.
- F PAINT SPECIFIED SURFACE WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
- G TOUCH-UP AS REQUIRED PER 238.

A654 **PRIMER AND GRAY EPOXY ENAMEL/GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT SPECIFIED AREAS ON EXPOSED SURFACES PER 202.
- C PRIME TWO COATS ON REVERSE SURFACE PER 205 (OR 245).
- D PAINT SPECIFIED AREAS ON EXPOSED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
- E TOUCH-UP AS REQUIRED PER 236 AND 238.

A655 **PRIMER AND 16NXXXX FINISH - SPECIAL BONDING APPLICATIONS. BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME TWO COATS ON INTERIOR SURFACE PER 205 (OR 245).
- C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
- D FINISH SPECIFIED EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- E TOUCH-UP AS REQUIRED PER 242, 235, AND 236.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A656 **PRIMER - SPECIAL BONDING APPLICATIONS ALUMINUM ALLOY CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME TWO COATS ON SPECIFIED INTERIOR SURFACE PER 205 (OR 245).
- C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
- D TOUCH-UP AS REQUIRED PER 235, 242, AND 236.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A657 **PRIMER AND AMS-C-27725 FUEL TANK COATING – SPECIAL BONDING APPLICATIONS.**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
D TOUCH-UP AS REQUIRED PER 235 AND 240.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A658 **AMS-C-27725 FUEL TANK COATING AND WHITE URETHANE – SPECIAL BONDING APPLICATIONS.**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
C PRIME ONE COAT SURFACES EXPOSED IN WHEEL WELL, AMMUNITION OR GUN BAY AREA PER 202.
D PAINT SPECIFIED SURFACES WITH WHITE URETHANE PER 222 (OR 274).
E TOUCH UP AS REQUIRED PER 240.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A659 **AMS-C-27725 FUEL TANK COATING AND LUSTERLESS GRAY URETHANE - SPECIAL BONDING APPLICATIONS.**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY AMS-C-27725 COATING TO SPECIFIED INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
C PRIME ONE COAT THE REMAINING SURFACES PER 202.
D PAINT THE INTERIOR NON-FUEL AREAS WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
E TOUCH-UP AS REQUIRED PER 235, 240, 242 OR 284.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A660 **PRIMER AND 16NXXXX FINISH - SPECIAL BONDING APPLICATIONS. PART OF CASTING COVERED BY INLET DUCT AND EXTERIOR SKINS.**

A CHEM FILM ALL SURFACES PER 105.
B PRIME TWO COATS AREAS COVERED BY SKINS AS NOTED ON DRAWING PER 205 (OR 245).
C PRIME ONE COAT THE EXPOSED INLET AND EXTERIOR SURFACES PER 202.
D PAINT SPECIFIED EXPOSED INLET SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO.2 THRU NO. 6; 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
E FINISH SPECIFIED EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
F TOUCH-UP AS REQUIRED PER 235, 236, 242 AND 298.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A661 **PRIMER, AMS-C-27725 FUEL TANK COATING AND WHITE URETHANE - SPECIAL BONDING APPLICATIONS. BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A ANODIZE ALL SURFACES PER 111.
B PRIME TWO COATS SPECIFIED INTERIOR AREAS PER 205 (OR 245).
C PRIME ONE COAT SURFACES SPECIFIED FOR WHITE COLOR PER 202.
D PAINT SPECIFIED AREAS WITH WHITE URETHANE COATING PER 222 (OR 274).
E APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL AREA PER 221.
F PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
G TOUCH-UP AS REQUIRED PER 235, 236, 237, 240 AND 242.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A662 **PRIMER AND WHITE URETHANE - SPECIAL BONDING APPLICATIONS. BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A ANODIZE ALL SURFACES PER 111.
B PRIME TWO COATS SPECIFIED INTERIOR SURFACE PER 205 (OR 245).
C PRIME ONE COAT SURFACES SPECIFIED FOR WHITE COLOR PER 202.
D PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
E PRIME COATING EXPOSED EXTERIOR SURFACES ONE COAT PER 202.
F TOUCH-UP AS REQUIRED PER 235, 236, 237, AND 242.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A663 **WHITE ACRYLIC LACQUER OR WHITE URETHANE- SPECIAL BONDING APPLICATIONS. BARE 2000AND 7000 SERIES ALUMINUM ALLOYS**

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT INTERIOR SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
D TOUCH UP AS REQUIRED PER 235,242, AND 295.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A664 **PRIMER - SPECIAL BONDING APPLICATIONS BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A ANODIZE ALL SURFACES PER 111.
B PRIME SPECIFIED SURFACES TWO COATS PER 205 (OR 245).
C PRIME OTHER SURFACES ONE COAT PER 202.
D TOUCH-UP AS REQUIRED PER 236.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A665 **PRIMER, AMS-C-27725 FUEL TANK COATING AND 16NXXXX FINISH - SPECIAL BONDING APPLICATIONS. BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A ANODIZE ALL SURFACES PER 111.
B APPLY AMS-C-27725 COATING ON SPECIFIED INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
C PRIME TWO COATS ON SPECIFIED INTERIOR SURFACES PER 205 (OR 245).
D PRIME ONE COAT ON REMAINING EXTERIOR SURFACES PER 202.
E PAINT SPECIFIED EXTERIOR SURFACES WITH DARK GRAY TEFLON-URETHANE COATING PER 259 (OR 288) FOR FSD AIRCRAFT (61: NO.2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON-URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING. (OVERSPRAY ONTO FAYING SURFACES IS NOT PERMITTED.)
F FINISH SPECIFIED EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
G TOUCH-UP AS REQUIRED PER 235, 236, 240, 242, AND 260 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH-UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 236, 240, 242, AND 298.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A666 **PRIMER - SPECIAL BONDING APPLICATIONS BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A ANODIZE ALL SURFACES PER 111.
B PRIME TWO COATS ON INTERIOR SURFACE PER 205 (OR 245).
C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
D TOUCH-UP AS REQUIRED PER 242, 235, AND 236.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A667 **PRIMER, WHITE URETHANE, AND WHITE ACRYLIC LACQUER/ WHITE URETHANE - SPECIAL BONDING APPLICATIONS. BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A ANODIZE ALL SURFACES PER 111.
B PRIME TWO COATS SPECIFIED SURFACES PER 205 (OR 245).
C PRIME ONE COAT REMAINING SURFACES PER 202.
D PAINT SURFACES SPECIFIED FOR WHITE URETHANE COATING PER 222 (OR 274).
E PAINT SPECIFIED SURFACES WITH WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
F TOUCH-UP AS REQUIRED PER 235, 236, 237, 242 AND 295.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A668 **WHITE ACRYLIC LACQUER/WHITE URETHANE AND 16NXXXX FINISH - SPECIAL BONDING APPLICATIONS. BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT INTERIOR SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
D FINISH SPECIFIED EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
E TOUCH-UP AS REQUIRED PER 235, 242 OR 295.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A671 **AMS-C-27725 FUEL TANK COATING AND WHITE URETHANE - SPECIAL BONDING APPLICATION. BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS.**

A ANODIZE ALL SURFACES PER 111.
B APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
C PRIME ONE COAT ON EXPOSED SURFACES AND DESIGNATED EXTERIOR AREAS PER 202.
D PAINT SPECIFIED PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
E TOUCH UP AS REQUIRED PER 237 AND 240.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A672 **PRIMER AND LIGHT GRAY URETHANE CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**

A CHEM FILM ALL SURFACES PER 105.
B PRIME ALL SURFACES WITH ONE COAT PER 201.
C PAINT SPECIFIED SURFACES WITH 36375 GRAY URETHANE PER 254.
D TOUCH UP AS REQUIRED PER 236 AND 255.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A673 **PRIMER AND WHITE URETHANE - SPECIAL BONDING APPLICATIONS. BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS.**

A ANODIZE ALL SURFACES PER 111.
B PRIME ALL SURFACES WITH ONE COAT PER 201.
C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D TOUCH UP AS REQUIRED PER 237 AND 242.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A674 **SOLID FILM LUBRICANT CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**

A CHEM FILM ALL SURFACES PER 176.
B APPLY SOLID FILM LUBRICANT TO SPECIFIED AREAS PER 207.
C TOUCH UP AS REQUIRED PER 362.

A675 **PRIMER AND 16NXXXX FINISH - SPECIAL BONDING APPLICATIONS. BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS.**

A ANODIZE ALL SURFACES PER 111.
B PRIME INTERIOR SURFACES WITH TWO COATS PER 205 (OR 245).
C PRIME SPECIFIED EXTERIOR SURFACES WITH ONE COAT PER 202.
D PAINT SPECIFIED SURFACES THE COLOR OF URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
E TOUCH UP AS REQUIRED PER 235, 236, 242, AND 298.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A676 **WHITE URETHANE, 16NXXXX FINISH (OVER SOLID FILM LUBRICANT), AND HARD ANODIZE. ALL ALUMINUM ALLOYS.**

A HARD ANODIZE ALL SURFACES PER 113.
B APPLY SOLID FILM LUBRICANT TO ALL EXTERIOR SURFACES PER 207.
C PRIME REMAINING SURFACES WITH ONE COAT PER 202.
D PAINT INTERIOR SURFACES WITH WHITE URETHANE PER 222 (OR 274)
E PAINT ALL EXTERIOR SURFACES PER 16NXXXX.
F TOUCH UP AS REQUIRED PER 237, 242, 298, AND 362.

A677 **PRIMER AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A ANODIZE ALL SURFACES PER 111.
B PRIME TWO COATS ON SPECIFIED INTERIOR SURFACES PER 205 (OR 245).
C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16NXXXX.
E TOUCH UP AS REQUIRED PER 235, 236, AND 242.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A678 **WHITE URETHANE AND HARD ANODIZE CLAD OR 1000,3000,5000, OR 6000 SERIES ALUMINUM ALLOYS**

- A HARD ANODIZE SPECIFIED SURFACES PER 115.
- B CHEM FILM REMAINING SURFACES PER 105.
- C PRIME ONE COAT SPECIFIED SURFACES PER 202.
- D PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- E TOUCH UP AS REQUIRED PER 237.

A679 **PRIMER AND 16NXXXX FINISH - SPECIAL BONDING APPLICATIONS. CLAD OR 1000,3000,5000,OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B APPLY TWO COATS OF PRIMER TO SPECIFIED SURFACES PER 205 (OR 245).
- C APPLY ONE COAT OF PRIMER TO SPECIFIED SURFACE PER 202.
- D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16NXXXX.
- E TOUCH UP AS REQUIRED PER 235, 236, AND 242.

NOTE: FOR SPECIAL BONDING TO PRIMER; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A680 **LIGHT GRAY URETHANE CLAD OR 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS OR CASTINGS**

- A CHEM FILM ALL SURFACES PER 176.
- B PRIME SPECIFIED SURFACES WITH ONE COAT OF PRIMER PER 202.
- C PAINT PRIMED SURFACES WITH LIGHT GRAY URETHANE PER 254.
- D TOUCH UP AS REQUIRED PER 255.

A681 **LIGHT GRAY URETHANE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME SPECIFIED SURFACES WITH ONE COAT OF PRIMER PER 202.
- C PAINT PRIMED SURFACES WITH LIGHT GRAY URETHANE PER 254.
- D TOUCH UP AS REQUIRED PER 255.

A682 **LIGHT GRAY URETHANE CLAD OR 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS OR CASTINGS**

- A CHEM FILM ALL SURFACES PER 176.
- B PRIME ALL SURFACES WITH ONE COAT OF PRIMER PER 201.
- C PAINT PRIMED SURFACES WITH TWO COATS OF LIGHT GRAY URETHANE PER 253.
- D TOUCH UP AS REQUIRED PER 255.

A683 **LIGHT GRAY URETHANE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ALL SURFACES WITH ONE COAT OF PRIMER PER 201.
- C PAINT PRIMED SURFACES WITH LIGHT GRAY URETHANE PER 253.
- D TOUCH UP AS REQUIRED PER 255.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A684	**GRAY URETHANE AND 16NXXXX FINISH - PYLONS** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
A	ANODIZE ALL SURFACES PER 111.
B	PRIME ALL SURFACES WITH ONE COAT OF PRIMER PER 201.
C	PAINT SPECIFIED SURFACES WITH GRAY COLOR 36270 URETHANE COATING PER 290 (OR 292).
D	FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
E	TOUCH UP AS REQUIRED PER 242 AND 291.
A685	**GRAY URETHANE AND 16NXXXX FINISH - PYLONS.** **CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS.**
A	CHEM FILM ALL SURFACES PER 105.
B	PRIME SPECIFIED SURFACES WITH ONE COAT OF PRIMER PER 202.
C	PAINT SPECIFIED SURFACES WITH GRAY COLOR 36270 URETHANE COATING PER 290 (OR 292).
D	FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
E	TOUCH UP AS REQUIRED PER 242 AND 291.
A686	**FMS-3011 FORM II ADHESIVE PRIMER** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
A	ANODIZE ALL SURFACES PER 111.
B	APPLY FMS-3011 FORM II ADHESIVE PRIMER TO ALL SURFACES PER 373.
C	TOUCH UP PER 375.
A687	**FMS-3011 FORM II ADHESIVE PRIMER** **BARE 2000 AND 7000 SERIES ALUMIMUM ALLOYS**
A	ANODIZE ALL SURFACES PER 111.
B	APPLY FMS-3011 FORM II ADHESIVE PRIMER TO SPECIFIED SURFACES PER 374.
C	TOUCH UP PER 375.
A688	**GRAY URETHANE AND 16NXXXX FINISH** **CLAD AND 1000, 3000, 5000 AND 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**
A	CHEM FILM ALL SURFACES PER 105
B	PRIME ALL SURFACES WITH ONE COAT OF PRIMER PER 202.
C	PAINT SPECIFIED SURFACES WITH GRAY COLOR 36270 URETHANE COATING PER 290 (OR 292)
D	FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005
E	TOUCH UP AS REQUIRED PER 242 AND 291.
A701	**PRIMER, AMS-C-27725 FUEL TANK COATING AND 16NXXXX FINISH** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
A	ANODIZE ALL SURFACES PER 111.
B	APPLY AMS-C-27725 COATING TO INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL AS NOTED ON THE DRAWING PER 221.
C	PRIME TWO COATS ON REMAINING INTERIOR SURFACES PER 205 (OR 245).
D	PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
E	FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
F	TOUCH UP AS REQUIRED PER 235, 236, 240 AND 242.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A702	**PRIMER AND 16NXXXX FINISH. BARE 2000 AND 7000 SERIES ALUMINUM ALLOY PART OF EXTERIOR SURFACE COVERED BY FAIRING, NON-FUEL INTERIOR**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME TWO COATS ON INTERIOR SURFACE AND ON EXTERIOR COVERED SURFACE AS NOTED ON DRAWING PER 205 (OR 245).
	C PRIME REMAINING EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 235, 236, AND 242.
A703	**PRIMER, AMS-C-27725 COATING, AND 16NXXXX FINISH. BARE 2000 & 7000 SERIES ALUMINUM ALLOYS WITH PART OF EXTERIOR SURFACE COVERED**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING TO INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME TWO COATS EXTERIOR COVERED SURFACE AS NOTED ON DRAWING PER 205 (OR 245).
	D PRIME REMAINING EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	E FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
	F TOUCH UP AS REQUIRED PER 235, 236, 240, AND 242.
A704	**PRIMER, AMS-C-27725 COATING, AND 16NXXXX FINISH. BARE 7000 SERIES & 2219 ALUMINUM ALLOYS WITH PART OF EXTERIOR SURFACE COVERED**
	A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
	B APPLY AMS-C-27725 COATING TO INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME TWO COATS ON EXTERIOR COVERED SURFACE AS NOTED ON DRAWING PER 205 (OR 245).
	D PRIME REMAINING EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	E FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
	F TOUCH UP AS REQUIRED PER 235, 236, AND 240.
	G (SEE A703 FOR PREFERRED CODE).
	NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A705 **PRIMER AND 16NXXXX FINISH**
PART OF CASTING COVERED BY INLET DUCT AND EXTERIOR SKINS

A CHEM FILM ALL SURFACES PER 105.
B PRIME TWO COATS AREAS COVERED BY SKINS AS NOTED ON DRAWING PER 205 (OR 245).
C PRIME ONE COAT THE EXPOSED INLET AND EXTERIOR SURFACES PER 202.
D PAINT EXPOSED INLET SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
E FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
F TOUCH UP AS REQUIRED PER 235, 236, 242 AND 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 236, 242 AND 298.

A706 **PRIMER, AMS-C-27725 FUEL TANK COATING, WHITE URETHANE,GRAY TEFLON-URETHANE, & 16NXXXX FINISH.**
BARE 7000 SERIES & 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE NOTED SURFACES PER 124.
B CHEM FILM TREAT SURFACES NOT ANODIZED PER 134.
C APPLY AMS-C-27725 COATING TO INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
D PRIME TWO COATS ON EXTERIOR COVERED SURFACES AS NOTED ON DRAWING PER 205 (OR 245).
E APPLY DARK GRAY TEFLON-URETHANE COATING ON THE SPECIFIED PRIMED AREA PER 259.
F ON EXTERIOR SURFACES EXPOSED IN COVE AREAS PRIME ONE COAT PER 202.
G ON EXTERIOR SURFACES EXPOSED IN COVE AREAS APPLY WHITE URETHANE COATING PER 222 (OR 274).
H FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
I TOUCH UP AS REQUIRED PER 235, 236, 237, 240 & 260.
J (SEE A739 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A707	**PRIMER, AMS-C-27725 FUEL TANK COATING, WHITE URETHANE, AND 16NXXXX FINISH.** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS** A ANODIZE ALL SURFACES PER 111. B "DELETED" C APPLY AMS-C-27725 COATING TO INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221. D PRIME TWO COATS ON EXTERIOR COVERED SURFACES SPECIFIED PER 205 (OR 245). E APPLY DARK GRAY TEFLON-URETHANE COATING ON THE SPECIFIED PRIMED AREA PER 259 (OR 288) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON-URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING. F ON EXTERIOR SURFACES EXPOSED IN COVE AREAS AND EXTERIOR NON-COVERED SURFACES PRIME ONE COAT PER 202. G ON EXTERIOR SURFACES EXPOSED IN COVE AREA APPLY WHITE URETHANE COATING PER 222 (OR 274). H FINISH EXTERIOR EXPOSED SURFACE AFTER ASSY PER DRAWING 16N0001. I TOUCH UP AS REQUIRED FOR THE GRAY COLOR ON FSD AIRCRAFT PER BASIC ELEMENTS 235, 236, 237 (CONT'D IN NEXT STEP) J (CONT'D FROM PREVIOUS STEP) AND PER 240, 242, AND 260. K TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 236, 237 AND (CONT ON NEXT STEP) L (CONT'D FROM PREVIOUS STEP) TOUCH UP PER 240, 242, & 298.
A708	**PRIMER, AMS-C-27725 FUEL TANK COATING, AND WHITE URETHANE** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS** A ANODIZE ALL SURFACES PER 111. B APPLY AMS-C-27725 COATING TO SPECIFIED INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221. C PRIME TWO COATS ON SPECIFIED INTERIOR NON-FUEL AND NON-WHITE SURFACES PER 205 (OR 245). D PRIME ONE COAT ON SPECIFIED SURFACES REQUIRING WHITE COLOR PER 202. E PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274). F TOUCH UP AS REQUIRED PER 236, 237, AND 240.
A710	**AMS-C-27725 FUEL TANK COATING AND WHITE URETHANE** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS** A ANODIZE ALL SURFACES PER 111. B APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221. C PRIME ONE COAT SURFACES EXPOSED IN WHEEL WELL, AMMUNITION OR GUN BAY AREA PER 202. D PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274). E TOUCH UP AS REQUIRED PER 237 AND 240.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A711	**AMS-C-27725 FUEL TANK COATING, WHITE URETHANE, AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACE EXPOSED TO FUEL PER 221.
	C PRIME ONE COAT REMAINING INTERIOR SURFACES PER 202.
	D PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	E PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	F FINISH EXTERIOR SURFACES AFTER ASSY PER DRAWING 16N0001.
	G TOUCH UP AS REQUIRED PER 237, 240, AND 242.
A712	**WHITE URETHANE AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT INTERIOR SURFACE WITH WHITE URETHANE COATING PER 222 (OR 274).
	D FINISH EXTERIOR EXPOSED SURFACES WITH DARK GRAY TEFLON-URETHANE COATING PER 259 (OR 288) FOR FSD AIRCRAFT (61: NO.2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON-URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
	E TOUCH UP AS REQUIRED PER 236 AND 260 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 236 AND 298.
A713	**WHITE URETHANE, 16NXXXX FINISH, SOLID FILM LUBRICANT, AND HARD ANODIZE.**
	A PREPARE SURFACES PER FPS-3006 CLASS X.
	B HARD ANODIZE SPECIFIED SURFACES PER 115.
	C APPLY SOLID FILM LUBE TO HARD ANODIZE SURFACES PER 207.
	D BRUSH CHEM FILM AREAS NOT HARD ANODIZED PER 134.
	E PRIME ONE COAT INTERIOR SURFACES PER 202.
	F PAINT PRIMED INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	G PRIME REMAINING EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	H FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER DRAWING 16N0001.
	I TOUCH UP AS REQUIRED PER 235, 237, 242, AND 362.
A715	**BLACK EPOXY ENAMEL/BLACK URETHANE AND 16NXXXX FINISH ALUMINUM CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME TWO COATS ALL SURFACES PER 204 (OR 245).
	C PAINT INTERIOR SPECIFIED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	D EXTERIOR SURFACE (PRIMED IN B) WILL BE FINISHED AFTER ASSEMBLY PER 16N0001.
	E TOUCH UP AS REQUIRED PER 235 AND 239.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A716 **PRIMER, AMS-C-27725 FUEL TANK COATING, WHITE URETHANE, AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME TWO COATS SPECIFIED INTERIOR AREAS PER 205 (OR 245).
- C PRIME ONE COAT SURFACES SPECIFIED FOR WHITE COLOR PER 202.
- D PAINT SPECIFIED AREAS WITH WHITE URETHANE COATING PER 222 (OR 274).
- E APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL AREA PER 221.
- F PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
- G FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
- H TOUCH UP AS REQUIRED PER 235, 236, 237, 240, AND 242.

A717 **PRIMER, WHITE URETHANE, AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME TWO COATS SPECIFIED INTERIOR SURFACE PER 205 (OR 245).
- C PRIME ONE COAT SURFACES SPECIFIED FOR WHITE COLOR PER 202.
- D PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- E PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
- F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
- G TOUCH UP AS REQUIRED PER 235, 236, 237 AND 242.

A720 **PRIMER AND DARK GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME TWO COATS ON SPECIFIED SURFACES PER 205 (OR 245).
- C PRIME ONE COAT ON SURFACES SPECIFIED FOR DARK GRAY COLOR PER 202.
- D PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
- E TOUCH UP AS REQUIRED PER 236 AND 258.

A721 **DARK GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT ALL SURFACES WITH DARK GRAY URETHANE COATING PER 263 (OR 277).
- D TOUCH UP AS REQUIRED PER 258.

A722 **PRIMER AND DARK GRAY URETHANE ALUMINUM ALLOY CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME TWO COATS ON SPECIFIED SURFACES PER 205 (OR 245).
- C PRIME ONE COAT ON SURFACES SPECIFIED FOR DARK GRAY COLOR PER 202.
- D PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
- E TOUCH UP AS REQUIRED PER 236 AND 258.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A723 **DARK GRAY URETHANE**
CLAD, OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM ALLOY CASTINGS

A CHEM FILM ALL SURFACES PER 105.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT ALL SURFACES WITH DARK GRAY URETHANE COATING PER 263 (OR 277).
D TOUCH UP AS REQUIRED PER 258.

A724 **PRIMER, AMS-C-27725 FUEL TANK COATING, WHITE URETHANE, AND 16NXXXX FINISH**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME TWO COATS SPECIFIED INTERIOR AREA PER 205 (OR 245).
C PRIME ONE COAT ON SURFACES REQUIRING EITHER WHITE COLOR OR 16N0001 FINISH PER 202.
D PAINT SPECIFIED AREA WITH WHITE URETHANE COATING PER 222 (OR 274).
E APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL AREA PER 221.
F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
G TOUCH UP AS REQUIRED PER 235, 236, 237, AND 240.
H (SEE A716 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A725 **AMS-C-27725 FUEL TANK COATING, BLACK EPOXY ENAMEL/ BLACK URETHANE, AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY AMS-C-27725 COATING TO INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
C PRIME ONE COAT ON SURFACES SPECIFIED FOR BLACK COLOR PER 202
D PAINT SPECIFIED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
E PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER DRAWING 16N0001.
G TOUCH UP AS REQUIRED PER 239, 240, AND 242.

A726 **PRIMER, DARK GRAY URETHANE, AND HARD ANODIZE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A HARD ANODIZE SPECIFIED SURFACES PER 115.
B ANODIZE REMAINING SURFACES PER 114.
C PRIME TWO COATS TO SURFACES SPECIFIED FOR PRIME ONLY PER 205 (OR 245).
D PRIME ONE COAT TO SURFACES SPECIFIED FOR GRAY COLOR PER 202.
E PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
F TOUCH UP AS REQUIRED PER 236 AND 258.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A727 **PRIMER , WHITE URETHANE, AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME TWO COATS ON SPECIFIED SURFACES PER 205 (OR 245).
- C PRIME ONE COAT REMAINING SURFACES PER 202.
- D PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- E PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
- G TOUCH UP AS REQUIRED PER 235, 236, 237, 242, AND 258 FOR FSD AIRCRAFT. TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 236, 237, 242, AND 298.

A729 **WHITE URETHANE, 16NXXXX FINISH, AND HARD ANODIZE ALL ALUMINUM ALLOYS**

- A HARD ANODIZE SPECIFIED SURFACES PER 157.
- B CHEM FILM SURFACES NOT ANODIZED PER 134.
- C PRIME AREAS SPECIFIED FOR WHITE COLOR ONE COAT PER 202.
- D PAINT SPECIFIED AREAS WITH WHITE URETHANE PER 222 (OR 274).
- E PRIME CHEM FILMED EXTERIOR EXPOSED SURFACES ONE COAT PER 202
- F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER DRAWING 16N0001.
- G TOUCH UP AS REQUIRED PER 235, 237, AND 242.

A730 **PRIMER, DARK GRAY URETHANE, & SOLID FILM LUBRICANT BARE 7000 AND 2219 ALUMINUM ALLOYS**

- A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
- B APPLY SOLID FILM LUBE TO SURFACES SPECIFIED PER 207.
- C PRIME 2 COATS ON SPECIFIED SURFACES PER 205 (OR 245).
- D PRIME 1 COAT SURFACE SPECIFIED FOR GRAY URETHANE PER 202.
- E PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE PER 257.
- F TOUCH UP AS REQUIRED PER 236 AND 258.
- G (SEE A740 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A731 **PRIMER AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME TWO COATS SPECIFIED INTERIOR SURFACES PER 205 (OR 245)
C PRIME ONE COAT REMAINING SURFACES PER 202.
D PAINT SPECIFIED SURFACES WITH DARK GRAY TEFLON-URETHANE COATING PER 259 (OR 288) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON-URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
F TOUCH UP AS REQUIRED PER 235, 236, 242, AND 260 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AICRAFT PER 235, 236, 242, AND 298.

A732 **PRIMER,DARK GRAY TEFLON-URETHANE, & 16NXXXX FINISH**
BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS

A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
B PRIME TWO COATS SPECIFIED SURFACES PER 205 (OR 245).
C PRIME ONE COAT ON SURFACES REQUIRING EITHER TEFLON-URETHANE COATING OR 16N0001 FINISH PER 202.
D PAINT SPECIFIED SURFACES WITH DARK GRAY TEFLON-URETHANE COATING PER 259.
E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
F TOUCH UP AS REQUIRED PER 235, 236, AND 260.
G (SEE A731 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A734 **PRIMER, AMS-C-27725 FUEL TANK COATING, AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY AMS-C-27725 COATING ON SPECIFIED INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
C PRIME TWO COATS ON SPECIFIED INTERIOR SURFACES PER 205 (OR 245).
D PRIME ONE COAT ON REMAINING EXTERIOR SURFACES PER 202.
E PAINT SPECIFIED EXTERIOR SURFACES WITH DARK GRAY TEFLON-URETHANE COATING PER 259 (OR 288) FOR FSD AIRCRAFT (61: NO.2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON-URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING. (OVERSPRAY ONTO FAYING SURFACES IS NOT PERMITTED.)
F FINISH REMAINING EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
G TOUCH UP AS REQUIRED PER 235, 236, 240, 242 AND 260 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 236, 240, 242, AND 298.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A735 **AMS-C-27725 FUEL TANK COATING, LIGHT GRAY URETHANE AND 16NXXXX FINISH BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS**

- A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
- B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME ONE COAT ON SURFACES REQUIRING EITHER LIGHT GRAY URETHANE COATING OR 16N0001 FINISH PER 202.
- D PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254.
- E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
- F TOUCH UP AS REQUIRED PER 235, 240, AND 255.
- G (SEE A741 FOR PREFERRED CODE).

NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A736 **AMS-C-27725 FUEL TANK COATING, WHITE URETHANE, AND BLACK EPOXY ENAMEL/BLACK URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B APPLY AMS-C-27725 COATING TO SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME ONE COAT SURFACES SPECIFIED REQUIRING BLACK PER 202.
- D PAINT SPECIFIED AREAS WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
- E PRIME ONE COAT SURFACES SPECIFIED REQUIRING WHITE PER 202.
- F PAINT SPECIFIED AREAS WITH WHITE URETHANE PER 222 (OR 274).
- G TOUCH UP AS REQUIRED PER 237, 239, AND 240.

A737 **PRIMER, AMS-C-27725 FUEL TANK COATING, AND BLACK EPOXY ENAMEL/BLACK URETHANE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B APPLY AMS-C-27725 COATING TO SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME TWO COATS SPECIFIED INTERIOR SURFACES PER 205 (OR 245)
- D PRIME ONE COAT SURFACES REQUIRING BLACK EPOXY PER 202.
- E PAINT SPECIFIED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
- F TOUCH UP AS REQUIRED PER 236, 239, AND 240.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A738	**PRIMER, AMS-C-27725 FUEL TANK COATING, WHITE URETHANE, AND 16NXXXX FINISH BARE 7000 SERIES AND 2219 ALUMINUM ALLOYS**
	A SULFURIC ACID ANODIZE SURFACES NOTED PER 124.
	B CHEM FILM TREAT SURFACES NOT ANODIZED PER 134.
	C PRIME TWO COATS SPECIFIED INTERIOR AREA PER 205 (OR 245).
	D PRIME ONE COAT ON SURFACES REQUIRING EITHER WHITE URETHANE COATING OR 16N0001 FINISH PER 202.
	E PAINT SPECIFIED AREA WITH WHITE URETHANE COATING PER 222 (OR 274).
	F APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	G FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	H TOUCH UP AS REQUIRED PER 235, 236, 237, AND 240.
	I (SEE A716 FOR PREFERRED CODE).
	NOTE: DO NOT USE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.
A739	**PRIMER, AMS-C-27725 FUEL TANK COATING, WHITE URETHANE, AND 16NXXXX FINISH. BARE 2000 OR 7000 SERIES AL ALLOYS USED FOR LOWER WING SKINS**
	A ANODIZE NOTED SURFACES PER 114.
	B CHEM FILM TREAT SURFACES NOT ANODIZED PER 134.
	C APPLY AMS-C-27725 COATING TO INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	D PRIME TWO COATS ON EXTERIOR COVERED SURFACES AS NOTED ON DRAWING PER 205 (OR 245).
	E APPLY DARK GRAY TEFLON-URETHANE COATING ON THE SPECIFIED PRIMED AREA PER 259 (OR 288) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON-URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
	F ON EXTERIOR SURFACES EXPOSED IN COVE AREAS AND EXTERIOR NON-COVERED SURFACES PRIME ONE COAT PER 202.
	G ON EXTERIOR SURFACES EXPOSED IN COVE AREAS APPLY WHITE URETHANE COATING PER 222 (OR 274).
	H FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
	I TOUCH UP AS REQUIRED FOR THE GRAY COLOR ON THE FSD AIRCRAFT PER 235, 236, 237 AND (CONTINUED IN NEXT STEP)
	J (CONT'D FROM PREVIOUS STEP) TOUCH UP PER 240, 242, AND 260.
	K TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 236, 237, AND (CONTINUED IN FOLLOWING STEP)
	L (CONTINUED FROM PREVIOUS STEP) TOUCH UP PER 240, 242,& 298.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A740 **PRIMER, 16NXXXX FINISH, AND SOLID FILM LUBRICANT BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B APPLY SOLID FILM LUBE TO SURFACES SPECIFIED PER 207.
- C PRIME TWO COATS ON SPECIFIED SURFACES PER 205 (OR 245).
- D PRIME ONE COAT REMAINING SURFACES PER 202.
- E PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE PER 275 (OR 277) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO.1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- F TOUCH UP AS REQUIRED PER 236 AND 238 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 236 AND 298.

A741 **AMS-C-27725 FUEL TANK COATING AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME ONE COAT REMAINING SPECIFIED SURFACES PER 202.
- D PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL BE OF THE COLOR OF URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER 16N0001.
- F TOUCH UP AS REQUIRED PER 235, 240, 242, AND 255 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 240, 242, AND 298.

A742 **PRIMER AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME TWO COATS SPECIFIED SURFACES PER 205 (OR 245).
- C PRIME ONE COAT REMAINING SURFACES PER 202.
- D PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER DRAWING 16N0001.
- F TOUCH UP AS REQUIRED PER 235, 236, 242 AND 252 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 236, 242 AND 298.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A743 **PRIMER, LIGHT GRAY URETHANE, AND DARK GRAY TEFLON - URETHANE BARE 7000 SERIES ALUMINUM ALLOYS**

- A SULFURIC ACID ANODIZE ALL SURFACES PER 112.
- B PRIME TWO COATS SPECIFIED SURFACES PER 205 (OR 245).
- C PRIME ONE COAT SURFACES SPECIFIED FOR LIGHT GRAY COLOR AND FOR DARK GRAY TEFLON-URETHANE PER 202.
- D PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276).
- E PAINT SPECIFIED SURFACES WITH DARK GRAY TEFLON-URETHANE COATING PER 259 (OR 288). (OVERSPRAY NOT PERMITTED ON FAYING SURFACES).
- F TOUCH UP AS REQUIRED PER 235, 236, 255, AND 260.
- G (SEE A744 FOR PREFERRED CODE).

NOTE: DO NOT USE THIS CODE WITHOUT MATERIALS & PROCESSES ENGINEERING APPROVAL.

A744 **PRIMER AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME TWO COATS SPECIFIED SURFACES PER 205 (OR 245).
- C PRIME ONE COAT REMAINING SPECIFIED SURFACES PER 202.
- D PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- E PAINT SPECIFIED SURFACES WITH DARK GRAY TEFLON-URETHANE COATING PER 259 (AND 288) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF THE TEFLON-URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING. (OVERSPRAY NOT PERMITTED ON FAYING SURFACES.)
- F TOUCH UP AS REQUIRED PER 236 AND PER 255 AND 260 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 236 AND 298.

A745 **PRIMER AND 16NXXXX FINISH - CLAD 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTING**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276) AND PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE COATINGS PER 257 (OR 277) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLORS OF URETHANE COATINGS SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- D TOUCH UP AS REQUIRED PER 242 AND PER 255 AND 258 (FOR THE GRAY COLORS ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 242 AND 298.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A746 **16NXXXX FINISH**
CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C APPLY DARK GRAY URETHANE COATING TO SPECIFIED SURFACES PER 257 (OR 277) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- D FINISH SPECIFIED EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
- E TOUCH UP AS REQUIRED PER 235, 242, AND 258 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 242, AND 298.

A747 **PRIMER AND 16NXXXX FINISH**
ALL ALUMINUM ALLOY CASTINGS

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME SURFACES SPECIFIED FOR PRIME TWO COATS PER 205 (OR 245).
- C PRIME REMAINING SURFACES ONE COAT PER 202.
- D PAINT SPECIFIED EXTERIOR SURFACES WITH LIGHT GRAY TEFLON-URETHANE COATING PER 261 (OR 287) FOR FSD AIRCRAFT (61: NO.2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON-URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- E FINISH REMAINING EXTERIOR SURFACES AFTER ASSY PER 16N0001.
- F TOUCH UP AS REQUIRED PER 235, 236, 242, AND 262 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 235, 236, 242, AND 298.

A748 **AMS-C-27725 FUEL TANK COATING, LUSTERLESS GRAY URETHANE, AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

- A ANODIZE ALL SURFACES PER 111.
- B APPLY AMS-C-27725 COATING TO SPECIFIED INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME ONE COAT THE REMAINING SURFACES PER 202.
- D PAINT THE INTERIOR NON-FUEL AREAS WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
- E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER DRAWING 16N0001.
- F TOUCH UP AS REQUIRED PER 235, 242, OR 284.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A749	**AMS-C-27725 FUEL TANK COATING, WHITE URETHANE, AND LUSTERLESS GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING TO SPECIFIED INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME ONE COAT REMAINING SURFACES PER 202.
	D PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	E PAINT INTERIOR NON-FUEL AND NON-WHITE SURFACES WITH LUSTERLESS GRAY URETHANE PER 282 (OR 280).
	F TOUCH UP AS REQUIRED PER 237, 240, OR 284.
A750	**WHITE URETHANE, LUSTERLESS GRAY URETHANE, AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	D PAINT NON-WHITE INTERIOR SURFACES WITH LUSTERLESS GRAY URETHANE PER 282 (OR 280).
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	F TOUCH UP AS REQUIRED PER 235, 237, 242, OR 284.
A751	**AMS-C-27725 FUEL TANK COATING, LUSTERLESS BLACK URETHANE, AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING TO SPECIFIED INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME ONE COAT ON ALL NON-FUEL SURFACES PER 202.
	D PAINT INTERIOR NON-FUEL AREAS WITH LUSTERLESS BLACK URETHANE PER 283 (OR 281).
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	F TOUCH UP AS REQUIRED PER 235, 240, 242, AND 285.
A752	**WHITE URETHANE, LUSTERLESS GRAY URETHANE, AND 16NXXXX FINISH. CLAD AND 1000, 3000, 5000 & 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED PRIMED SURFACES WITH LUSTERLESS GRAY URETHANE PER 282 (OR 280).
	D PAINT SPECIFIED PRIMED SURFACES WITH WHITE URETHANE PER 222 (OR 274).
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER 16N0001.
	F TOUCH UP AS REQUIRED PER 235, 237, 242, AND 284.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A753	**PRIMER, LUSTERLESS GRAY URETHANE, AND 16NXXXX FINISH ALUMINUM ALLOY CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME SURFACES SPECIFIED FOR PRIME TWO COATS PER 205.
	C PRIME REMAINING SURFACES ONE COAT PER 202.
	D PAINT SPECIFIED SURFACES WITH LUSTERLESS GRAY URETHANE PER 282 (OR 280).
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER 16N0001.
	F TOUCH UP AS REQUIRED PER 235, 236, 242, AND 284.
A754	**PRIMER, WHITE URETHANE, AND 16NXXXX FINISH ALUMINUM ALLOY CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME SURFACES SPECIFIED FOR PRIME TWO COATS PER 205.
	C PRIME REMAINING SURFACES ONE COAT PER 202.
	D PAINT SPECIFIED SURFACES WITH WHITE URETHANE PER 222 (OR 274).
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER 16N0001.
	F TOUCH UP AS REQUIRED PER 235, 236, 237, AND 242.
A755	**WHITE URETHANE, LUSTERLESS GRAY URETHANE, AND LUSTERLESS BLACK URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
	D PAINT SPECIFIED SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
	E PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	F TOUCH UP AS REQUIRED PER 237, 284, AND 285.
A756	**WHITE ACRYLIC LACQUER/WHITE URETHANE, LUSTERLESS GRAY URETHANE, & 16NXXXX FINISH. CLAD,1000,3000 5000 & 6000 SERIES ALUM. ALLOYS & ALUM. CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED PRIMED SURFACES WITH LUSTERLESS GRAY URETHANE PER 282 (OR 280).
	D PAINT SPECIFIED PRIMED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	F TOUCH UP AS REQUIRED PER 235, 242, 284, AND 295.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A757	**PRIMER, AMS-C-27725 FUEL TANK COATING, AND WHITE ACRYLIC LACQUER/WHITE URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING TO SPECIFIED INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME TWO COATS ON SPECIFIED INTERIOR NON-FUEL AND NON-WHITE SURFACES PER 205 (OR 245).
	D PRIME ONE COAT ON SPECIFIED SURFACES REQUIRING WHITE COLOR PER 202.
	E PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	F TOUCH UP AS REQUIRED PER 236, 240, AND 295.
A758	**PRIMER, WHITE ACRYLIC LACQUER/WHITE URETHANE, AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME TWO COATS SPECIFIED INTERIOR SURFACES PER 205 (OR 245)
	C PRIME ONE COAT SURFACES SPECIFIED FOR WHITE COLOR PER 202.
	D PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	E PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	G TOUCH UP AS REQUIRED PER 235, 236, 242, AND 295.
A759	**WHITE ACRYLIC LACQUER/WHITE URETHANE, LUSTERLESS GRAY URETHANE, AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED INTERIOR SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296)
	D PAINT SPECIFIED SURFACES WITH LUSTERLESS GRAY URETHANE PER 282 (OR 280).
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	F TOUCH UP AS REQUIRED PER 235, 242, 284 AND 295.
A760	**AMS-C-27725 FUEL TANK COATING, WHITE ACRYLIC LACQUER/WHITE URETHANE, AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME ONE COAT REMAINING INTERIOR SURFACES PER 202.
	D PAINT SPECIFIED INTERIOR SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	E PRIME ONE COAT EXTERIOR EXPOSED SURFACES PER 202.
	F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	G TOUCH UP AS REQUIRED PER 235, 240, 242, AND 295.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A761 **PRIMER, WHITE ACRYLIC LACQUER/WHITE URETHANE, AND LUSTERLESS GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME TWO COATS SURFACES SPECIFIED FOR PRIME PER 205 (OR 245).
- C PRIME THE REMAINING SURFACES PER 202.
- D PAINT SPECIFIED SURFACES WITH LUSTERLESS GRAY URETHANE PER 282 (OR 280).
- E PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
- F TOUCH UP AS REQUIRED PER 236, 242, 284, AND 295.

A762 **WHITE ACRYLIC LACQUER/WHITE URETHANE, LUSTERLESS GRAY URETHANE, AND LUSTERLESS BLACK URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT SPECIFIED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
- D PAINT SPECIFIED SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
- E PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
- F TOUCH UP AS REQUIRED PER 284, 285 AND 295.

A763 **PRIMER, WHITE URETHANE, AND 16NXXXX FINISH ALUMINUM ALLOY CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME SURFACES SPECIFIED FOR PRIME TWO COATS PER 205 (OR 245).
- C PRIME REMAINING SURFACES ONE COAT PER 202.
- D PAINT SPECIFIED SURFACES WITH LIGHT GRAY TEFLON URETHANE COATING PER 261 (OR 287) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- E PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- F FINISH REMAINING EXTERIOR SURFACES AFTER ASSEMBLY PER 16N0001.
- G TOUCH UP AS REQUIRED PER 235, 236, 237, 242, AND 262 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP ON PRODUCTION AIRCRAFT PER 235, 236, 237, 242, AND 298.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A764 **PRIMER, WHITE URETHANE, AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME SURFACES SPECIFIED FOR PRIME TWO COATS PER 205 (OR 245).
C PRIME REMAINING SURFACES ONE COAT PER 202.
D PAINT SPECIFIED SURFACES WITH LIGHT GRAY TEFLON-URETHANE COATING PER 261 (OR 287) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON-URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
E PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
F TOUCH UP AS REQUIRED PER 236, 237, AND 262 (FOR THE GRAY COLOR ON FSD AIRCRAFT). TOUCH UP ON PRODUCTION AIRCRAFT PER 236, 237, AND 298.

A765 **WHITE ACRYLIC LACQUER/WHITE URETHANE, LUSTERLESS BLACK URETHANE, AND 16NXXXX FINISH**
BARE 2000 OR 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT SPECIFIED INTERIOR SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
D PAINT SPECIFIED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
F TOUCH UP AS REQUIRED PER 235, 237 ,242, 285, AND 295.

A766 **WHITE URETHANE, WHITE ACRYLIC LACQUER/WHITE URETHANE, AND LUSTERLESS GRAY URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT SPECIFIED SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
D PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
E PAINT THE REMAINING SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
F TOUCH UP AS REQUIRED PER 237, 284, AND 295.

A767 **PRIMER, WHITE URETHANE, AND WHITE ACRYLIC LACQUER/WHITE URETHANE**
BARE 2000 OR 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT SURFACES SPECIFIED FOR WHITE COLOR PER 202.
C PRIME TWO COATS SURFACES SPECIFIED FOR "PRIME" PER 205 (OR 245).
D PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
E PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
F TOUCH UP AS REQUIRED PER 236, 237 AND 295.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A768 **AMS-C-27725 COATING, WHITE URETHANE, WHITE ACRYLIC LACQUER/WHITE URETHANE & LUSTERLESS GRAY URETHANE. BARE 2000 OR 7000 SERIES ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME ONE COAT THE REMAINING SURFACES PER 202.
- D PAINT SPECIFIED SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
- E PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- F PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
- G TOUCH UP AS REQUIRED PER 237, 240, 284 AND 295.

A769 **PRIMER, WHITE ACRYLIC LACQUER/WHITE URETHANE, AND 16NXXXX FINISH. ALUMINUM ALLOY CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME SURFACES SPECIFIED FOR PRIME TWO COATS PER 205 (OR 245).
- C PRIME REMAINING SURFACES ONE COAT PER 202.
- D PAINT SPECIFIED INTERIOR SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
- E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER 16N0001.
- F TOUCH UP AS REQUIRED PER 235, 236, 242, OR 295.

A770 **AMS-C-27725 FUEL TANK COATING, WHITE URETHANE, AND WHITE ACRYLIC LACQUER/WHITE URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME ONE COAT REMAINING SURFACES PER 202.
- D PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- E PAINT REMAINING SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
- F TOUCH UP AS REQUIRED PER 237, 240, OR 295.

A771 **PRIMER, DARK GRAY URETHANE, AND 16NXXXX FINISH ALUMINUM ALLOY CASTINGS - PYLON**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME TWO COATS SPECIFIED INTERIOR SURFACES PER 205 (OR 245).
- C PRIME ONE COAT REMAINING SPECIFIED SURFACES PER 202.
- D PAINT SPECIFIED INTERIOR SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
- E FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- F TOUCH UP AS REQUIRED PER 236, 242, 246 OR 258.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A772	**PRIMER, 16NXXXX FINISH, AND SOLID FILM LUBRICANT - PYLONS.**
	A HARD ANODIZE ALL SURFACES PER 113.
	B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES IN THICKNESS OR DIMENSIONS AS NOTED PER 207.
	C PRIME TWO COATS SPECIFIED INTERIOR SURFACES PER 205 (OR 245)
	D PRIME ONE COAT REMAINING SURFACES PER 202.
	E FINISH EXTERIOR PRIMED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
	F TOUCH UP AS REQUIRED PER 236, 242, OR 246.
A773	**PRIMER AND DARK GRAY URETHANE 2000 AND 7000 SERIES ALUMINUM ALLOYS (USE ONLY FOR CLOSE TOLERANCE PARTS AND HOLES)**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME TWO COATS SPECIFIED SURFACES PER 205 (OR 245).
	C PRIME ONE COAT SPECIFIED SURFACES PER 202.
	D PAINT SPECIFIED INTERIOR SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
	E TOUCH UP AS REQUIRED PER 236, 242, OR 258.
A774	**PRIMER, DARK GRAY URETHANE, 16NXXXX FINISH, HARD ANODIZE - PYLONS. 2000 AND 7000 SERIES ALUMINUM ALLOYS.**
	A HARD ANODIZE SPECIFIED SURFACES PER 115.
	B ANODIZE REMAINING SURFACES PER 114.
	C PRIME TWO COATS SPECIFIED SURFACES PER 205 (OR 245).
	D PRIME ONE COAT REMAINING SPECIFIED SURFACES PER 202.
	E PAINT SPECIFIED INTERIOR SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
	F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
	G TOUCH UP AS REQUIRED PER 236, 242, 246, OR 258.
A775	**PRIMER, WHITE URETHANE, WHITE ACRYLIC LACQUER/WHITE URETHANE, AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME TWO COATS SPECIFIED SURFACES PER 205 (OR 245).
	C PRIME ONE COAT REMAINING SURFACES PER 202.
	D PAINT SURFACES SPECIFIED FOR WHITE URETHANE COATING PER 222 (OR 274).
	E PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	G TOUCH UP AS REQUIRED PER 235, 236, 237, 242, OR 295.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A776 **PRIMER, LUSTERLESS GRAY URETHANE, AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME TWO COATS SPECIFIED SURFACES PER 205 (OR 245).
C PRIME ONE COAT REMAINING SURFACES PER 202.
D PAINT SPECIFIED SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
F TOUCH UP AS REQUIRED PER 235, 236, 242, OR 284.

A777 **PRIMER, 16NXXXX FINISH, AND CHROMIUM PLATE**
2000 AND 7000 SERIES ALUMINUM ALLOYS
(DO NOT USE WITHOUT M&P ENGINEERING APPROVAL)

A CHROME PLATE SPECIFIED SURFACES PER 186.
B BRUSH CHEM FILM REMAINING SURFACES PER 134.
C PRIME TWO COATS SPECIFIED SURFACES PER 205.
D PRIME ONE COAT REMAINING SURFACES PER 202.
E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
F TOUCH-UP AS REQUIRED PER 235, 236, 242, OR 298.

A778 **WHITE URETHANE AND SOLID FILM LUBRICANT**
CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS

A CHEM FILM ALL SURFACES PER 105.
B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES PER 207 IN THICKNESSES OR DIMENSIONS AS NOTED.
C PRIME ONE COAT REMAINING SURFACES PER 202.
D PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
E TOUCH-UP AS REQUIRED PER 242 OR 237.

A779 **PRIMER, WHITE URETHANE, AND LUSTERLESS GRAY URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME TWO COATS SPECIFIED SURFACES PER 205 (OR 245).
C PRIME ONE COAT REMAINING SURFACES PER 202.
D PAINT SPECIFIED SURFACES WITH LUSTERLESS GRAY URETHANE PER 282 (OR 280).
E PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
F TOUCH-UP AS REQUIRED PER 236, 237, 242, OR 284.

A780 **PRIMER, DARK GRAY URETHANE, AND SOLID FILM LUBRICANT**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY SOLID FILM LUBE TO SURFACES SPECIFIED PER 207.
C PRIME TWO COATS ON SPECIFIED SURFACES PER 205 (OR 245).
D PRIME ONE COAT ON SURFACES SPECIFIED FOR DARK GRAY COLOR PER 202.
E PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
F TOUCH UP AS REQUIRED PER 236 AND 258.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A781 **GRAY EPOXY ENAMEL/GRAY URETHANE**
CLAD OR 1000, 3000, 5000, 6000 SERIES ALUMINUM ALLOYS AND CASTINGS

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT ONE COAT ALL SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 227.
- D TOUCH UP AS REQUIRED PER 238.

A782 **PRIMER AND WHITE URETHANE**
CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ALL SURFACES ONE COAT PER 201.
- C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- D TOUCH-UP AS REQUIRED PER 295.

A783 **PRIMER, WHITE URETHANE, AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

- A ANODIZE ALL SURFACES PER 111.
- B PRIME TWO COATS ON INTERIOR SURFACE PER 205.
- C PRIME ONE COAT ON EXTERIOR SURFACE PER 202.
- D PAINT SPECIFIED INTERIOR SURFACES WITH WHITE URETHANE PER 222 (OR 274).
- E FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
- F TOUCH UP AS REQUIRED PER 235, 237 AND 242.

A784 **PRIMER, WHITE ACRYLIC LACQUER/WHITE URETHANE,**
LUSTERLESS GRAY URETHANE & 16NXXXX FINISH. CLAD
OR 1000,3000,5000,6000 ALUM. ALLOYS & CASTINGS.

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME TWO COATS ON SPECIFIED SURFACES PER 205.
- C PRIME REMAINING SURFACES ONE COAT PER 202.
- D PAINT SURFACES SPECIFIED FOR GRAY WITH LUSTERLESS GRAY URETHANE PER 282 (OR 280).
- E PAINT SURFACES SPECIFIED FOR WHITE COLOR WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
- F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
- G TOUCH UP AS REQUIRED PER 235, 242, 284 AND 295.

A785 **AMS-C-27725 FUEL TANK COATING AND GRAY URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

- A ANODIZE ALL SURFACES PER 111.
- B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACE AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME ONE COAT EXTERIOR SURFACES REQUIRING GRAY COLOR PER 202.
- D PAINT SPECIFIED EXTERIOR SURFACES WITH GRAY COLOR 36270 URETHANE COATING PER 290.
- E TOUCH UP AS REQUIRED PER 291.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A786 **PRIMER AND WHITE URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME TWO COATS ALL SURFACES PER 204.
C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D TOUCH UP AS REQUIRED PER 236 AND 237.

A787 **PRIMER & LUSTERLESS BLACK URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME SPECIFIED SURFACES ONE COAT PER 202.
C PAINT SPECIFIED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
D PRIME REMAINING SURFACES TWO COATS, PER 205.
E TOUCH UP AS REQUIRED PER 285 OR 236.

A788 **PRIMER & LUSTERLESS BLACK URETHANE**
CLAD AND 1000, 3000, 5000 AND 6000 SERIES ALUMINUM ALLOYS AND CASTINGS

A CHEM FILM ALL SURFACES PER 105.
B PRIME SPECIFIED SURFACES ONE COAT PER 202.
C PAINT SPECIFIED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
D PRIME REMAINING SURFACES TWO COATS, PER 205.
E TOUCH UP AS REQUIRED PER 285 OR 236.

A789 **P6096-2 FLAT BLACK URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A NOTE: THIS CODE IS INACTIVE.
THIS CODE IS A DUPLICATE OF A559; USE A559 FOR NEW DESIGNS.
B ANODIZE ALL SURFACES PER 111.
C PRIME SPECIFIED SURFACES ONE COAT PER 202.
D PAINT PRIMED SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
E TOUCH UP AS REQUIRED PER 241

A790 **PRIMER, 16NXXXX FINISH, AND HARD ANODIZE**
2000 OR 7000 SERIES ALLOYS

A HARD ANODIZE ALL SURFACES PER 113.
B PRIME TWO COATS SPECIFIED SURFACES PER 205.
C PRIME ONE COAT REMAINING SURFACES PER 202. (TWO COATS PER 205 IS OPTIONAL.)
D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
E TOUCH UP AS REQUIRED PER 235, 236, 242, OR 298.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A791 **MEDIUM GRAY TEFLON-URETHANE AND 16NXXXX FINISH BARE 2000 OR 7000 SERIES ALLOYS**

- A ANODIZE PER 111.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT SPECIFIC SURFACES WITH 2 COATS TEFLON URETHANE, MEDIUM GRAY COLOR, PER 301.
- D FINISH EXTERIOR SURFACES AFTER ASSY PER DRAWING 16N0001.
- E TOUCH UP PER 235, 236, 242, OR 302.

A792 **WHITE TEFLON-URETHANE CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C APPLY WHITE TEFLON URETHANE COATING PER 352.
- D TOUCH UP AS REQUIRED PER 350.

A793 **DARK GRAY URETHANE. AL ALLOY CASTINGS & CLAD OR 1000, 3000, 5000 OR 6000 SERIES ALUM. ALLOYS AND ELECTRICAL BONDING ON 2000 & 7000 SERIES ALUM.**

- A CHEM FILM ALL SURFACES PER 176.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT PRIMED SURFACES WITH DARK GRAY URETHANE COATING PER 263 (OR 277).
- D TOUCH UP AS REQUIRED PER 258.

A794 **PRIMER AND MEDIUM GRAY TEFLON-URETHANE. CLAD OR 1000, 3000, 5000, 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS.**

- A CHEM FILM ALL SURFACES PER 176.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C APPLY MEDIUM GRAY TEFLON URETHANE ON SPECIFIED SURFACES PER 354.
- D TOUCH UP AS REQUIRED PER 355.

A795 **PRIMER, DARK GRAY URETHANE, AND 16NXXXX FINISH. REWORK OF PREVIOUSLY ANODIZED PYLON PARTS. ALL ALUMINUM ALLOYS.**

- A CLEAN AND BRUSH CHEM FILM EXPOSED SURFACES PER 134.
- B PRIME TWO COATS SPECIFIED SURFACES PER 205.
- C PAINT SPECIFIED INTERIOR SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
- D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- E TOUCH UP AS REQUIRED PER 236, 246, OR 258.

A796 **PRIMER AND WHITE URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME TWO COATS SPECIFIED SURFACES PER 205.
- C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- D TOUCH UP AS REQUIRED PER 236 AND 237.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE **APPLICABLE FINISH**

A797 **CHEMICAL FILM**
ALL ALUMINUM ALLOYS

A CLEAN AND BRUSH CHEM FILM ALL SURFACES PER 168.
B TOUCH UP AS REQUIRED PER 354.
C (INACTIVE FOR NEW DESIGN).

A798 **PRIMER, WHITE URETHANE, AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME 2 COATS ALL SURFACES PER 204.
C PAINT INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER 16N0001.
E TOUCH UP AS REQUIRED PER 236, 242 OR 237.

A799 **SOLID FILM LUBRICANT**
CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS

A CHEM FILM ALL SURFACES PER 105.
B APPLY SOLID FILM LUBRICANT TO ALL SURFACES PER 228.

A800 **FMS-3014 FORM 2 ADHESIVE PRIMER**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO ALL SURFACES PER 400.
C TOUCH UP AS REQUIRED PER 401 (OR 402 AS APPLICABLE).

A801 **FMS-3014 FORM 2 ADHESIVE PRIMER AND WHITE URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO ALL SURFACES PER 400.
C PAINT SPECIFIED SURFACES WITH URETHANE COATING;
WHITE COLOR NUMBER 17875 OR WHITE COLOR NUMBER 17925 PER 406
D TOUCH UP AS REQUIRED PER 237, 401 (OR 402 AS APPLICABLE), AND 404.

A802 **FMS-3014 FORM 2 ADHESIVE PRIMER**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO ALL SURFACES PER 400.
C TOUCH UP AS REQUIRED PER 401 (OR 402 AS APPLICABLE).
D (SEE A800 FOR PREFERRED CODE).

NOTE: A802 IS DUPLICATE CODE OF A800. DO NOT USE A802 FOR NEW DESIGN.

A803 **FMS-3014 FORM 2 ADHESIVE PRIMER AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED SURFACES AND SURFACES EXPOSED TO FUEL PER 403.
C PRIME EXTERIOR EXPOSED SURFACES WITH ONE COAT OF PRIMER PER 202.
D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16NXXXX.
E TOUCH UP AS REQUIRED PER 235 AND 401 (OR 402 AS APPLICABLE).

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A804	**PRIMER, FMS-3014 FORM 2 ADHESIVE PRIMER, AND 16NXXXX FINISH. BARE 2000 & 7000 SERIES ALLOYS (WITH PART OF EXTERIOR SURFACE COVERED).**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED INTERIOR SURFACES AND SURFACES EXPOSED TO FUEL PER 403.
	C PRIME EXTERIOR COVERED SURFACE (AS NOTED ON DRAWING) WITH TWO COATS OF PRIMER PER 205 (OR 245).
	D PRIME REMAINING EXTERIOR EXPOSED SURFACES WITH ONE COAT OF PRIMER PER 202.
	E FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16NXXXX.
	F TOUCH UP AS REQUIRED PER 235,236,242,& 401 (OR 402 AS APPLICABLE.
A805	**FMS-3014 FORM 2 ADHESIVE PRIMER CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS (EXCEPT TUBING)**
	A CHEM FILM ALL SURFACES PER 105.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO ALL SURFACES PER 400.
	C TOUCH UP AS REQUIRED PER 401 (OR 402 AS APPLICABLE).
A806	**FMS-3014 FORM 2 ADHESIVE PRIMER BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO ALL SURFACES PER 400.
	C TOUCH UP AS REQUIRED PER 401 (OR 402 AS APPLICABLE).
	D (SEE A800 FOR PREFERRED CODE).
	NOTE: A806 IS DUPLICATE CODE OF A800. DO NOT USE A806 FOR NEW DESIGN.
A807	**FMS-3014 FORM 2 ADHESIVE PRIMER, WHITE URETHANE, AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED SURFACES AND SURFACES EXPOSED TO FUEL PER 403.
	C PAINT SPECIFIED SURFACES WITH WHITE URETHANE; COLOR NO.17875 OR COLOR NO. 17925 PER 406.
	D PRIME EXTERIOR EXPOSED SURFACES WITH ONE COAT OF PRIMER PER 202.
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16NXXXX.
	F TOUCH UP AS REQUIRED PER 235, 236, 242,(CONT'D IN NEXT STEP)
	G (CONT'D FROM PREV STEP) 401, (OR 402 AS APPLICABLE), & 404.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A808	**PRIMER, FMS-3014 FORM TWO ADHESIVE PRIMER, WHITE URETHANE, & 16NXXXX FINISH. BARE 2000 OR 7000 SERIES AL ALLOYS USED FOR LOWER WING SKINS**
	A ANODIZE NOTED SURFACES PER 114.
	B CHEM FILM REMAINING SURFACES PER 134.
	C APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO INTERIOR SURFACES AND SURFACES EXPOSED TO FUEL PER 403.
	D PRIME EXTERIOR COVERED SURFACES (AS NOTED ON DRAWING) WITH TWO COATS OF PRIMER PER 205 (OR 245).
	E APPLY TEFLON-URETHANE COATING TO THE SPECIFIED PRIMED AREA AS SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING
	F PRIME EXTERIOR SURFACES EXPOSED IN COVE AREAS AND EXTERIOR NON-COVERED SURFACES WITH ONE COAT OF PRIMER PER 202.
	G APPLY WHITE URETHANE COATING TO EXTERIOR SURFACES EXPOSED IN COVE AREAS PER 222 (OR 274).
	H FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16NXXXX.
	I TOUCH UP AS REQUIRED PER 235, 236, 237,(CONT'D IN NEXT STEP)
	J (CONT'D FROM PREV STEP) 242, 298, AND 401 (OR 402 AS APPLICABLE).
A809	**FMS-3014 FORM 2 ADHESIVE PRIMER AND GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED SURFACES AND SURFACES EXPOSED TO FUEL PER 403.
	C PRIME EXTERIOR SURFACES REQUIRING GRAY COLOR WITH ONE COAT OF PRIME PER 202.
	D PAINT SPECIFIED EXTERIOR SURFACES WITH GRAY COLOR NUMBER 36270 URETHANE COATING PER 290.
	E TOUCH UP AS REQUIRED PER 291 AND 401 (OR 402 AS APPLICABLE).
A810	**FMS-3014 FORM 2 ADHESIVE PRIMER AND WHITE URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO ALL SURFACES PER 400.
	C PAINT SPECIFIED SURFACES WITH WHITE URETHANE; COLOR NO.17875 OR COLOR NO. 17925 PER 406.
	D TOUCH UP AS REQUIRED PER 236, 401 (OR 402 AS APPLICABLE), AND 404.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A811 **FMS-3014 FORM 2 ADHESIVE PRIMER AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED INTERIOR SURFACES AND SURFACES EXPOSED TO FUEL PER 403.
C PRIME REMAINING EXTERIOR SURFACES WITH ONE COAT OF PRIMER PER 202.
D PAINT SPECIFIED EXTERIOR SURFACES WITH TEFLON-URETHANE COATING AS SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING. (OVERSPRAY ONTO FAYING SURFACES IS NOT PERMITTED).
E FINISH REMAINING EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16NXXXX.
F TOUCH UP AS REQUIRED PER 235, 236, 242,(CONT'D IN NEXT STEP)
G (CONT'D FROM PREV STEP) 298, AND 401 (OR 402 AS APPLICABLE)

A812 **FMS-3014 FORM 2 ADHESIVE PRIMER AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS
(FINISH INACTIVE FOR NEW DESIGN; USE A811.)

A ANODIZE ALL SURFACES PER 111.
B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED INTERIOR SURFACES AND SURFACES EXPOSED TO FUEL PER 403.
C PRIME REMAINING EXTERIOR SURFACES WITH ONE COAT OF PRIMER PER 202.
D PAINT SPECIFIED EXTERIOR SURFACES WITH TEFLON-URETHANE COATING AS SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING. (OVERSPRAY ONTO FAYING SURFACE IS NOT PERMITTED).
E FINISH SPECIFIED EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
F TOUCH UP AS REQUIRED PER 235, 236, 242,(CONT'D IN NEXT STEP)
G (CONT'D FROM PREV STEP) 298, AND 401 (OR 402 AS APPLICABLE).

A813 **FMS-3014 FORM 2 ADHESIVE PRIMER, WHITE ACRYLIC**
LACQUER/WHITE URETHANE, AND 16NXXXX FINISH
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED INTERIOR SURFACES AND SURFACES EXPOSED TO FUEL PER 403.
C PRIME REMAINING SURFACES WITH ONE COAT OF PRIMER PER 202.
D PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 407.
E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
F TOUCH UP AS REQUIRED PER 235, 242, 401 (OR 402 AS APPLICABLE), AND 405.

A814 **FMS-3014 FORM 2 ADHESIVE PRIMER AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO INTERIOR SURFACES AND SURFACES EXPOSED TO FUEL AS NOTED ON THE DRAWING PER 403
C PRIME EXTERIOR EXPOSED SURFACES WITH ONE COAT OF PRIMER PER 202.
D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
E TOUCH UP AS REQUIRED PER 235, 236, 242, AND 401 (OR 402 AS APPLICABLE).

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A815	**PRIMER, FMS-3014 FORM 2 ADHESIVE PRIMER, AND WHITE URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED SURFACES AND SURFACES EXPOSED TO FUEL PER 403.
	C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING; COLOR NO. 17875 OR COLOR NO. 17925 PER 406.
	D PRIME EXTERIOR EXPOSED SURFACES WITH ONE COAT OF PRIMER PER 202.
	E TOUCH UP AS REQUIRED PER 235, 236, 242,(CONT'D IN NEXT STEP)
	F (CONT'D FROM PREV STEP) 401 (OR 402 AS APPLICABLE) AND 404.
A816	**PRIMER AND FMS-3014 FORM 2 ADHESIVE PRIMER BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED SURFACES AND SURFACES EXPOSED TO FUEL PER 403.
	C PRIME EXTERIOR EXPOSED SURFACES WITH ONE COAT OF PRIMER PER 202.
	D TOUCH-UP AS REQUIRED PER 242 AND 401 (OR 402 AS APPLICABLE).
A817	**FMS-3014 FORM 2 ADHESIVE PRIMER CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS (EXCEPT TUBING).**
	A CHEM FILM ALL SURFACES PER 105.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO ALL SURFACES PER 400.
	C TOUCH UP AS REQUIRED PER 401 (OR 402 AS APPLICABLE).
	D (SEE A805 FOR PREFERRED CODE).
	NOTE: A817 IS DUPLICATE CODE OF A805. DO NOT USE A817 FOR NEW DESIGN.
A818	**FMS-3014 FORM 2 ADHESIVE PRIMER AND HARD ANODIZE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A HARD ANODIZE SPECIFIED SURFACES PER 115.
	B ANODIZE REMAINING SURFACES PER 114.
	C APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED SURFACES PER 403.
	D TOUCH UP AS REQUIRED PER 401 (OR 402 AS APPLICABLE).
A819	**FMS-3014 FORM 2 ADHESIVE PRIMER AND HARD ANODIZE CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**
	A HARD ANODIZE SPECIFIED SURFACES PER 115.
	B CHEM FILM REMAINING SURFACES PER 134.
	C APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED SURFACES PER 403.
	D TOUCH UP AS REQUIRED PER 401 (OR 402 AS APPLICABLE).
A820	**FMS-3014 FORM 2 ADHESIVE PRIMER BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED SURFACES PER 403.
	C TOUCH UP AS REQUIRED PER 401 (OR 402 AS APPLICABLE).

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A821	**FMS-3014 FORM 2 ADHESIVE PRIMER CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS (EXCEPT TUBING)** A CHEM FILM ALL SURFACES PER 105. B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED SURFACES PER 403. C TOUCH UP AS REQUIRED PER 401 (OR 402 AS APPLICABLE).
A822	**ALUMINUM TUBING ASSEMBLIES: FMS-3014 FORM 2 ADHESIVE PRIMER. 5000 & 6000 SERIES AL ALLOY TUBING LOCATED IN FUEL AREA** A CHEM FILM EXTERIOR SURFACE ONLY PER 107. B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT COATING .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 403. TOUCH UP AS REQUIRED PER 401, BUT TOUCHUP ACROSS THE ASSEMBLED JOINT IS NOT PERMITTED. C FOR TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT COATING AS SPECIFIED PER 408. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 401. D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT) APPLY FMS-3014 FORM 2 ADHESIVE PRIMER ON EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 409. AFTER INSTALLATION, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 401.
A823	**PRIMER BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS** A ANODIZE ALL SURFACES PER 111. B PRIME ALL SURFACES TWO COATS PER 537 (OR 245). C TOUCH UP AS REQUIRED PER 539. D NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.
A850	**WHITE TEFLON-URETHANE AND 16NXXXX FINISH BARE 2000 OR 7000 SERIES ALUMINUM ALLOYS** A ANODIZE ALL SURFACES PER 111. B PRIME ALL SURFACES WITH ONE COAT OF PRIMER PER 201. C PAINT SPECIFIED SURFACES WITH TWO COATS OF FMS-1027 TYPE 5 TEFLON-URETHANE, WHITE COLOR NO. 17875 (OR 17925) PER 351. D FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER 16NXXXX. E TOUCH UP AS REQUIRED PER 350.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A851	**LIGHT GRAY URETHANE AND HARD ANODIZE BARE 2000 OR 7000 SERIES ALUMINUM ALLOYS**
	A HARD ANODIZE SPECIFIED SURFACES PER 115.
	B ANODIZE REMAINING SURFACES PER 114.
	C PRIME SPECIFIED SURFACES WITH ONE COAT OF PRIMER PER 202.
	D PAINT SPECIFIED SURFACES WITH TWO COATS OF MIL-C-83286 URETHANE COATING; LIGHT GRAY, COLOR NUMBER 36375 PER 254.
	E TOUCH UP AS REQUIRED PER 255.
A852	**PRIMER AND LIGHT GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY ONE COAT OF PRIMER TO SPECIFIED SURFACE PER 202.
	C PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE PER 254.
	D TOUCH UP AS REQUIRED PER 242 AND 255.
A853	**ALUMINUM TUBING ASSEMBLIES: PRIMER, WHITE URETHANE AND 16NXXXX FINISH. 5000, 6000 SERIES ALUMINUM ALLOYS.**
	A ANODIZE OUTER SURFACES PER 140.
	B PRIME ONE COAT OUTER SURFACE ONLY IN SPECIFIED AREAS PER 202
	C PRIME EXTERIOR EXPOSED SURFACES AND AREA TO BE PAINTED WITH WHITE URETHANE ONE COAT PER 202.
	D PAINT WITH WHITE URETHANE COATING IN SPECIFIED AREAS PER 222
	E FINISH SPECIFIED EXTERIOR EXPOSED SURFACE (AFTER ASSEMBLY) PER DRAWING 16N0001.
	F TOUCH UP AS REQUIRED PER 235, 237 AND 242.
A854	**ALUMINUM TUBING ASSEMBLIES. 5000 AND 6000 SERIES ALUMINUM ALLOYS LOCATED IN FUEL AREAS - ANODIZE SPECIFIED AREAS ONLY.**
	A PRIOR TO MECHANICALLY ATTACHING DETAILS OF ASSEMBLY AND WHERE NO CREVICE EXISTS, ANODIZE, SPECIFIED EXTERIOR SURFACES PER 501.
	B CHEM FILM SPECIFIED SURFACES PER 178.
A855	**PRIMER AND NICKEL-CADMIUM PLATE. CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS.**
	A CHEM FILM SPECIFIED SURFACES PER 502.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C ELECTROLESS NICKEL PLATE SPECIFIED SURFACES PER 503.
	D CADMIUM PLATE NICKEL PLATED SURFACES PER 504.
	E (INACTIVE FOR NEW DESIGN).
A856	**DARK GRAY URETHANE AND 16NXXXX FINISH. BARE 2000 & 7000 SERIES ALUMINUM ALLOYS.**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT SPECIFIED INTERIOR SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
	D FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 236, 242 OR 246.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A857	**WHITE URETHANE, SOLID FILM LUBRICANT AND 16N0001 FINISH-HARD ANODIZE.** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A HARD ANODIZE SPECIFIED SURFACES PER 115.
	B ANODIZE REMAINING SURFACES PER 182.
	C APPLY SOLID FILM LUBE TO HARD ANODIZED SURFACES PER 207.
	D PRIME REMAINING SURFACES 1 COAT PER 202.
	E PAINT SPECIFIED SURFACES WITH WHITE URETHANE PER 222.
	F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER 16N0001.
	G TOUCH-UP AS REQUIRED PER 235, 237 AND 362.
A858	**PRIMER, SOLID FILM LUBRICANT AND 16N0001 FINISH-HARD ANODIZE.** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS.**
	A HARD ANODIZE SPECIFIED SURFACES PER 115.
	B ANODIZE REMAINING SURFACES PER 182.
	C APPLY SOLID FILM LUBE TO HARD ANODIZED SURFACES PER 207.
	D PRIME SPECIFIED SURFACES 2 COATS PER 205.
	E PRIME SPECIFIED SURFACES 1 COAT PER 202.
	F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER 16N0001.
	G TOUCH AS REQUIRED PER 235, 236 AND 362.
A859	**PRIMER AND SOLID FILM LUBRICANT - HARD ANODIZE.** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS.**
	A HARD ANODIZE SPECIFIED SURFACES PER 115.
	B ANODIZE REMAINING SURFACES PER 182.
	C APPLY SOLID FILM LUBRICANT TO HARD ANODIZED SURFACES PER 207
	D PRIME TWO COATS REMAINING SURFACES PER 205.
	E TOUCH UP AS REQUIRED PER 236.
A860	**PRIMER, SOLID FILM LUBRICANT AND 16N0005 FINISH - HARD ANODIZE** **BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A HARD ANODIZE SPECIFIED SURFACES PER 115.
	B ANODIZE REMAINING SURFACES PER 182.
	C APPLY SOLID FILM LUBE TO HARD ANODIZE SURFACES PER 207.
	D PRIME SPECIFIED SURFACES 2 COATS PER 205.
	E PRIME REMAINING SURFACES 1 COAT PER 202.
	F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER 16N0005.
	G TOUCH UP AS REQUIRED PER 235, 236 AND 362.
A861	**GRAY URETHANE** **CLAD AND 1000, 3000, 5000, 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM ALLOY CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME SPECIFIED SURFACES WITH ONE COAT OF PRIMER PER 202.
	C PAINT PRIMED SURFACES WITH TWO COATS OF GRAY URETHANE COATING PER 290.
	D TOUCH UP AS REQUIRED PER 291.

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SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A862 **PRIMER AND AMS-C-27725 FUEL TANK COATING**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

- A ANODIZE ALL SURFACES PER 111.
- B PRIME EXTERIOR SURFACES TWO COATS PER 205.
- C APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- D TOUCH UP AS REQUIRED PER 236 AND 240.

A863 **AMS-C-27725 FUEL TANK COATING, PRIMER, AND 16NXXXX FINISH.**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

- A ANODIZE ALL SURFACES PER 111.
- B APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME EXTERIOR SURFACES TWO COATS PER 205.
- D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
- E TOUCH UP AS REQUIRED PER 240, 236, AND 235.

A864 **SOLID FILM LUBRICANT, PRIMER, AND AMS-C-27725**
FUEL TANK COATING - HARD ANODIZE.
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS.

- A HARD ANODIZE SPECIFIED SURFACES PER 115.
- B ANODIZE REMAINING SURFACES PER 182.
- C APPLY SOLID FILM LUBRICANT TO HARD ANODIZE SURFACES PER 207.
- D PRIME INTERIOR NON-FUEL SURFACES AND SURFACES NOT HARD ANODIZED PER 205 (OR 245).
- E APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- F TOUCH UP AS REQUIRED PER 236, 240, AND 362.

A865 **PRIMER, AMS-C-27725 FUEL TANK COATING, AND SOLID FILM LUBRICANT.**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS.

- A ANODIZE ALL SURFACES PER 111.
- B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 207.
- C PRIME INTERIOR NON-FUEL SURFACES TWO COATS PER 205 (OR 245).
- D APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- E TOUCH UP AS REQUIRED PER 236, 240, AND 362.

A866 **SOLID FILM LUBRICANT AND FMS-1058-1 PRIMER- HARD ANODIZE.**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS.

- A HARD ANODIZE SPECIFIED SURFACES PER 115.
- B ANODIZE REMAINING SURFACES PER 114.
- C APPLY SOLID FILM LUBRICANT TO HARD ANODIZED SURFACES PER 207
- D APPLY TWO COATS OF FMS-1058-1 TO SPECIFIED SURFACES PER 506.
- E TOUCH UP AS REQUIRED PER 362 AND 507.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A867	**PRIMER, AMS-C-27725 FUEL TANK COATING, WHITE URETHANE, 16NXXXX FINISH, AND FMS-1058-1. BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS.**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING TO SPECIFIED SURFACES PER 221.
	C APPLY FMS-1058-1 TO SPECIFIED SURFACES PER 506.
	D PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
	E PRIME TWO COATS ON SPECIFIED EXTERIOR COVERED SURFACES PER 205 (OR 245).
	F APPLY DARK GRAY TEFLON-URETHANE COATING (OR COLOR SPECIFIED BY THE APPLICABLE 16NXXXX DRAWING) ON SPECIFIED SURFACES PER 259
	G APPLY WHITE URETHANE COATING ON EXTERIOR SURFACES EXPOSED IN COVE AREA PER 222 (OR 274).
	H FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	I TOUCH UP AS REQUIRED PER 235, 236, 237,(CONT'D IN NEXT STEP)
	J (CONT'D FROM PREV STEP) 240, 242, 298, AND 507.
A868	**REWORK OF UPPER WING SKIN - BRUSH CHEM FILM AND FMS-1058-1. ALL ALUMINUM ALLOYS.**
	A CLEAN AND BRUSH CHEM FILM SPECIFIED SURFACES PER 134.
	B SCUFF SAND SPECIFIED AREAS PER 119.
	C APPLY FMS-1058-1 TO SPECIFIED SURFACES PER 506.
A869	**PRIMER. CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS.**
	A CHEM FILM ALL SURFACES PER 176.
	B PRIME SPECIFIED SURFACES ONE COAT PER 202.
	C TOUCH UP AS REQUIRED PER 242.
A870	**FMS-3014 FORM 2 ADHESIVE PRIMER - HARD ANODIZE ALL ALUMINUM ALLOYS**
	A HARD ANODIZE ALL SURFACES PER 113.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED SURFACES PER 403.
	C TOUCH UP AS REQUIRED PER 401 (OR 402 AS APPLICABLE).
	NOTE: DO NOT USE WITHOUT MATERIALS AND PROCESSES ENGINEERING APPROVAL.
A871	**GARY URETHANE CLAD AND 1000, 3000, 5000, 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM ALLOY CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT ALL SURFACES WITH TWO COATS OF GRAY URETHANE COATING PER 289.
	D TOUCH UP AS REQUIRED PER 291.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A872 **RED URETHANE, SOLID FILM LUBRICANT, AND HARD ANODIZE ALL ALUMINUM ALLOYS**

- A HARD ANODIZE ALL SURFACES PER 113.
- B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 207.
- C PRIME ONE COAT SPECIFIED SURFACES PER 202.
- D PAINT PRIMED SURFACES WITH TWO COATS OF RED URETHANE PER 512.
- E TOUCH UP AS REQUIRED PER 362 AND 513.

A873 **WHITE URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS (USE FOR ELECTRICAL BONDING)**

- A CHEM FILM SPECIFIED SURFACES PER 178.
- B ANODIZE REMAINING SURFACES PER 182.
- C PRIME ONE COAT SPECIFIED SURFACES PER 202.
- D PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- E TOUCH UP AS REQUIRED PER 237.
- F (INACTIVE FOR NEW DESIGN.)

A874 **WHITE URETHANE CLAD & 1000, 3000, 5000, 6000 SERIES AL ALLOYS & AL ALLOY CASTINGS (USE FOR ELECTRICAL BONDING)**

- A CHEM FILM ALL SURFACES PER 176.
- B PRIME ONE COAT SPECIFIED SURFACES PER 202.
- C PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- D TOUCH UP AS REQUIRED PER 237.

A875 **CHEMICAL FILM CLAD AND 1000, 3000, 5000, 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM ALLOY CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.

A876 **FMS-1058-1 PRIMER - HARD ANODIZE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A HARD ANODIZE SPECIFIED SURFACES PER 115.
- B ANODIZE REMAINING SURFACES PER 114.
- C APPLY TWO COATS OF FMS-1058-1 TO SPECIFIED SURFACES PER 506.
- D TOUCH UP AS REQUIRED PER 507.

A877 **P6096-2 FLAT BLACK URETHANE & BLACK EPOXY ENAMEL/BLACK URETHANE. CLAD & 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS.**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME SURFACES REQUIRING URETHANE OR EPOXY ENAMEL ONE COAT PER 202.
- C PAINT SPECIFIED SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
- D PAINT SPECIFIED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
- E TOUCH UP AS REQUIRED PER 239 AND 241.

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SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A878	**BLACK EPOXY ENAMEL/URETHANE. CLAD & 1000, 3000, 5000, OR 6000 SERIES ALUMINUM. (USE ONLY FOR ELECTRICAL BONDING OF PARTS W/STEEL OR WIRE INSERTS).**
	A BRUSH CHEM FILM EXPOSED SURFACES PER 178.
	B PRIME SPECIFIED SURFACES ONE COAT PER 202.
	C PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHNE PER 213.
	D TOUCH UP AS REQUIRED PER 239.
A879	**BLACK EPOXY ENAMEL/BLACK URETHANE CLAD AND 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM ALLOY CASTINGS.**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT SPECIFIED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE COATING PER 213.
	D TOUCH UP AS REQUIRED PER 239.
A880	**BLACK EPOXY ENAMEL/BLACK URETHANE AND SOLID FILM LUBRICANT. CLAD AND 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS.**
	A CHEM FILM ALL SURFACES PER 105.
	B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES PER 207.
	C PRIME SPECIFIED SURFACES ONE COAT PER 202.
	D PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	E TOUCH UP AS REQUIRED PER 230 AND 239.
A881	**LUSTERLESS GRAY URETHANE. CLAD AND 1000, 3000, 5000, OR 6000 SERIES ALUM. ALLOYS & ALUM. ALLOY CASTINGS. (USE FOR ELECTRICAL BONDING)**
	A CHEM FILM ALL SURFACES PER 176.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH LUSTERLESS GRAY URETHANE PER 282 (OR 280).
	D TOUCH UP AS REQUIRED PER 284.
A882	**REWORK OF ANODIZED PART - BLACK EPOXY ENAMEL/ BLACK URETHANE. ALL ALUMINUM ALLOYS**
	A CLEAN AND BRUSH CHEM FILM ALUMINUM SURFACES PER 134.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	D TOUCH UP AS REQUIRED PER 239.
A883	**WHITE URETHANE FOR HINGED DOOR ASSEMBLIES, MINUS THE LATCHES**
	A CLEAN AND PREPARE EXPOSED INTERIOR SURFACES AND EXTERIOR SURFACES OF THE DOOR AND HINGE PER 297.
	B PAINT THE EXPOSED INTERIOR SURFACES AND EXTERIOR SURFACES WITH WHITE URETHANE COATING PER 222.
	C TOUCH UP AS REQUIRED PER 235 AND 237.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A884 **REWORK OF CHEMICAL FILMED PARTS - PRIMER**
ALL ALUMINUM ALLOYS

A BRUSH CHEM FILM SPECIFIED SURFACES PER 134 OR STRIP AND REAPPLY CHEM FILM PER 514.
B PRIME ALL SURFACES TWO COATS PER 204 (OR 245).
C TOUCH UP AS REQUIRED PER 236.

NOTE: THIS CODE IS INTENDED FOR PREVIOUSLY CHEM FILMED PARTS. DO NOT USE WITHOUT MATERIALS AND PROCESSES ENGINEERING APPROVAL.

A885 **PRIMER, WHITE URETHANE, AND 16NXXXX**
FINISH - HARD ANODIZE.
ALL ALUMINIM ALLOYS.

A HARD ANODIZE SPECIFIED SURFACES PER 157.
B CHEM FILM SURFACES NOT ANODIZED PER 134.
C PRIME SURFACES SPECIFIED FOR PRIMER TWO COATS PER 205.
D PRIME AREAS SPECIFIED FOR WHITE URETHANE AND CHEM FILMED EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
E PAINT SPECIFIED SURFACES W/WHITE URETHANE PER 222 (OR 274).
F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
G TOUCH UP AS REQUIRED PER 235, 236, AND 237.

A886 **PRIMER, LIGHT GRAY URETHANE, AND 16NXXXX FINISH**
ALUMINUM ALLOY CASTINGS - PYLON

A CHEMICAL FILM ALL SURFACES PER 105.
B PRIME TWO COATS SPECIFIED INTERIOR SURFACES PER 205(OR 245).
C PRIME ONE COAT REMAINING SURFACES PER 202.
D PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276).
E FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
F TOUCH UP AS REQUIRED PER 236, 246, AND 255.

A887 **16NXXXX FINISH**
ALUMINUM ALLOY CASTINGS AND 1000, 3000, 5000, 6000 SERIES ALUMINUM ALLOYS

A CHEMICAL FILM ALL SURFACES PER 105.
B PRIME ONE COAT SPECIFIED SURFACES PER 202.
C PAINT SPECIFIED INTERIOR SURFACES WITH TWO COATS OF URETHANE COATING OF THE COLOR SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
E TOUCH UP AS REQUIRED PER 298.

A888 **PRIMER AND LUSTERLESS BLACK URETHANE**
CLAD AND 1000, 3000, 5000 AND 6000 SERIES ALUMINUM ALLOYS

A CHEM FILM ALL SURFACES PER 176.
B PRIME SPECIFIED SURFACES ONE COAT PER 202.
C PAINT SPECIFIED SURFACES WITH LUSTERLESS BLACK URETHANE PER 283 (OR 281).
D TOUCH UP AS REQUIRED PER 242 AND 285.

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SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A889	**ALUMINUM TUBING ASSEMBLIES - 5000 AND 6000 SERIES ALUMINUM ALLOYS LOCATED IN FUEL AREA**
A	PRIOR TO MECHANICALLY ATTACHING DETAILS OF ASSEMBLY AND WHERE NO CREVICE EXISTS, HARD ANODIZE SPECIFIED SURFACES PER 115.
B	FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, CHEM FILM THE FIRST 0.50 INCH OF TUBE END THAT RECEIVES A C7551 FITTING PER 178. THE CHEM FILM TREATMENT IS REQUIRED ON EXTERIOR SURFACES; TREATMENT IS OPTIONAL ON INSIDE SURFACES.
C	ANODIZE REMAINING EXTERIOR SURFACES PER 140.
A890	**FMS-1058-1 PRIMER - HARD ANODIZE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
A	HARD ANODIZE ALL SUFACES PER 113.
B	APPLY TWO COATS OF FMS-1058-1 PRIMER TO SPECIFIED SURFACES PER 506.
C	TOUCH UP AS REQUIRED PER 507.
A891	**PRIMER AND P6096-2 FLAT BLACK URETHANE CLAD AND 1000, 3000, 5000 OR 6000 SERIES ALUMINUM ALLOYS**
A	CHEM FILM ALL SURFACES PER 105.
B	PRIME ALL SURFACES PER 201.
C	PAINT SPECIFIED SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217.
D	TOUCH UP AS REQUIRED PER 241 AND 242.
A892	**WHITE URETHANE, 16NXXXX FINISH (OVER SOLID FILM LUBRICANT). HARD ANODIZE (OMITTING AREAS FOR ELECTRICAL GROUND).**
A	HARD ANODIZE ALL SURFACES NOT SPECIFIED FOR ELECTRICAL BONDING PER 115.
B	APPLY SOLID FILM LUBRICANT TO ALL EXTERIOR SURFACES PER 207.
C	CLEAN PER FPS-3001 PARAGRAPH 3.1.1 AND BRUSH CHEM-FILM ELECTRICAL BONDING SURFACES PER MIL-C-5541, CLASS 3, PER 178.
D	PRIME REMAINING SURFACES WITH ONE COAT PER 202.
E	PAINT INTERIOR SURFACES NOT SPECIFIED FOR ELECTRICAL BONDING WITH WHITE URETHANE PER 222.
F	PAINT ALL EXTERIOR SURFACES PER 16NXXXX.
G	TOUCH-UP AS REQUIRED 237, 242, 298, 362.
H	CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM AND ALUMINUM CASTINGS.
A893	**DARK GRAY URETHANE AND 16NXXXX FINISH - PYLONS BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
A	ANODIZE ALL SURFACES PER 111.
B	PRIME ONE COAT ALL SURFACES PER 201.
C	PAINT SPECIFIED INTERIOR SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
D	FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
E	TOUCH UP AS REQUIRED PER 242, 246, OR 258.

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SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A894	**GRAY URETHANE AND 16NXXXX FINISH** **CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME SPECIFIED SURFACES ONE COAT PER 202.
	C PAINT SPECIFIED INTERIOR SURFACES WITH GRAY COLOR 36270 URETHANE COATING PER 290 (OR 292).
	D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
	E TOUCH UP AS REQUIRED PER 242 AND 291.
A895	**PRIMER AND GRAY URETHANE COLOR NO. 36270** **CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ALL SURFACES WITH ONE COAT PER 201.
	C PAINT SPECIFIED SURFACES WITH 36270 GRAY URETHANE PER 290.
	D TOUCH UP AS REQUIRED PER 242 AND 291.
A896	**ALUMINUM TUBING ASSEMBLIES: GRAY COLOR NO. 36270**
	A CHEM FILM EXTERIOR SURFACE PER 108.
	B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT PRIMER .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 202.
	C FOR TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT PRIMER AS SPECIFIED PER 203.
	D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT) PRIME ONE COAT EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 272.
	E FOR TUBE ASSEMBLIES WITH BEADED TUBE ENDS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING PER 272.
	F PAINT PRIMED SURFACES WITH ONE COAT OF GRAY COLOR NO. 36270 PER 290.
	G FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, TOUCH UP AS REQUIRED PER 291; BUT TOUCH UP ACROSS A C7551 ASSEMBLED JOINT IS NOT PERMITTED.
	H FOR TUBE ASSEMBLIES WITH "PERMASWAGE", "DYNATUBE", OR FLARED FITTINGS, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 291.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A897 **WHITE ACRYLIC LACQUER/WHITE URETHANE, LUSTERLESS GRAY URETHANE, AND IVD ALUMINUM OR CAD PLATE 2000 AND 7000 SERIES ALUM (SPECIAL ELEC BOND APPL)**

A ANODIZE ALL SURFACES PER 111 EXCEPT THOSE SURFACES SPECIFIED FOR IVD ALUMINUM OR CADMIUM PLATE, OR SURFACES SPECIFIED FOR ELECTRICAL BONDING PER FPS-3024.

B CLEAN SURFACES SPECIFIED FOR IVD ALUMINUM OR CAD PLATE PER FPS-3001 PARA. 3.1.1.(A). IVD ALUMINUM TREAT PER MIL-C-83488 TYPE II CL2 OR CADMUIM PLATE PER MIL-C-8837 TYPE II CL1 SPECIFIED SURFACES.

C PRIME ONE COAT SURFACES SPECIFIED FOR WHITE ACRYLIC LACQUER/ WHITE URETHANE AND LUSTERLESS GRAY URETHANE PER 202.

D PAINT SPECIFIED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).

E PAINT REMAINING PRIMED SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).

F TOUCH UP AS REQUIRED PER 295 AND 284.

G

NOTE: DO NOT USE WITHOUT MATERIALS AND PROCESSES ENGINEERING APPROVAL.

A898 **WHITE ACRYLIC LACQUER/WHITE URETHANE AND IVD ALUM OR CAD PLATE (SPECIAL ELEC BONDING APPLICATION) BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A ANODIZE ALL SURFACES PER 111 EXCEPT THOSE SURFACES SPECIFIED FOR IVD ALUMINUM OR CADMIUM PLATE.

B CLEAN SURFACES SPECIFIED FOR IVD ALUM OR CAD PLATE PER FPS-3001 PARA. 3.1.1(A). IVD ALUMINUM TREAT PER MIL-C-83488 TYPE II CL2 OR CADMIUM PLATE PER MIL-C-8837 TYPE II CL1. SPECIFIED SURFACES.

C PRIME ONE COAT SPECIFIED SURFACES PER 202.

D PAINT PRIMED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).

E TOUCH UP AS REQUIRED PER 295.

F

NOTE: DO NOT USE WITHOUT MATERIALS AND PROCESSES ENGINEERING APPROVAL.

A899 **PRIMER AND IVD ALUMINUM OR CADMIUM PLATE (SPECIAL ELECTRICAL BONDING APPLICATION) BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

A CLEAN ALL SURFACES PER FPS-3001 PARA. 3.1.1(A).

B IVD ALUMINUM TREAT PER MIL-C-83488 TYPE II CL2 OR CADMIUM PLATE PER MIL-C-8837 TYPE II CL1.

C PRIME ALL SURFACES PER 205 EXCEPT THOSE SURFACES SPECIFIED FOR ELECTRICAL BONDING PER FPS-3024.

D TOUCH UP AS REQUIRED PER 236.

NOTE: DO NOT USE WITHOUT MATERIALS AND PROCESSES ENGINEERING APPROVAL.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A900	**PRIMER AND EXTERIOR SURFACE WITH NO TOPCOAT (USED ON FS-X/F-2 PARTS W/TOPCOAT APPLIED AFTER ASSY) BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME TWO COATS ON INTERIOR SURFACE PER 205 (OR 245).
	C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	D TOUCH UP AS REQUIRED PER 236 OR 242.
A901	**AMS-C-27725 FUEL TANK COATING AND EXTERIOR SURFACE WITH NO TOPCOAT (USED ON FS-X/F-2 PARTS) BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING ON FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221 (INTERIOR SURFACES AS SPECIFIED ON THE ENGINEERING DRAWING).
	C PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	D TOUCH UP AS REQUIRED PER 240 AND 242.
A902	**FMS-3014 FORM 2 ADHESIVE PRIMER AND EXTERIOR SURFACE WITH NO TOPCOAT APPLIED (FS-X/F-2 PROG.) BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED SURFACES AND SURFACES EXPOSED TO FUEL PER 403.
	C PRIME EXTERIOR EXPOSED SURFACES WITH ONE COAT OF PRIMER PER 202.
	D TOUCH UP PER 242 AND 401 (OR 402 AS APPLICABLE).
A903	**PRIMER, FMS-3014 FORM 2 ADHESIVE PRIMER, & EXT. SURF. WITH NO TOPCOAT APPLIED (FS-X/F-2 PROG.) BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED INTERIOR SURFACES AND SURFACES EXPOSED TO FUEL PER 403.
	C PRIME SURFACE SPECIFIED FOR PRIMER ONLY WITH TWO COATS OF PRIMER PER 205.
	D PRIME SPECIFIED EXTERIOR EXPOSED SURFACES WITH ONE COAT OF PRIMER PER 202.
	E TOUCH UP AS REQUIRED PER 236, 242, AND 401 (OR 402 AS APPLICABLE.
A904	**PRIMER WITH TOPCOAT APPLIED AFTER ASSEMBLY (FOR FS-X/F-2 PARTS) BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C TOUCH UP AS REQUIRED PER 242.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A905	**PRIMER ON SPECIFIED SURFACES. TOPCOAT APPLIED AFTER ASSY (FOR FS-X/F-2 PARTS) 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
	C TOUCH UP AS REQUIRED PER 242.
A906	**WHITE URETHANE ON SPECIFIED SURFACES (FOR FS-X/ F-2 PARTS). ALUMINUM CASTINGS AND 1000, 3000, 5000, AND 6000 SERIES AND CLAD ALUMINUM ALLOYS**
	A CHEMICAL FILM ALL SURFACES PER 105.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED SURFACES WITH WHITE URETHANE TOPCOAT PER 222.
	D TOUCH UP AS REQUIRED PER 237.
A907	**LIGHT GRAY URETHANE ON SPECIFIED SURFACES (FOR FS-X/F-2 PARTS) ALUM. CASTINGS AND 1000, 3000, 5000 AND 6000 SERIES AND CLAD ALUMINUM ALLOYS**
	A CHEMICAL FILM ALL SURFACES PER 105.
	B PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276).
	D TOUCH UP AS REQUIRED PER PER 255.
A908	**PRIMER WITHOUT TOPCOAT (FOR FS-X/F-2 USE) CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUM. ALLOYS AND ALUMINUM CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C TOUCH UP AS REQUIRED PER 242.
A909	**WHITE URETHANE AND EXTERIOR SURFACE WITH NO TOP-COAT (USED ON FS-X/F-2 PARTS W/TOPCOAT APPLIED AFTER ASSY) BARE 2000 AND 7000 SERIES ALUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	D TOUCH UP AS REQUIRED PER 242 AND 237.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A910 **WHITE URETHANE (ACCOUNTS FOR PREVIOUSLY PAINTED SURFACES) 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A FOR UNFINISHED PARTS, PROCEED AS FOLLOWS (FOR PREVIOUSLY PRIMED OR PAINTED PARTS, START WITH STEP E).
- B ANODIZE ALL SURFACES PER 111.
- C PRIME ONE COAT ALL SURFACES PER 201.
- D PAINT ALL SURFACES PER STEP H.
- E SCUFF SAND PREVIOUSLY PRIMED OR PAINTED PARTS USING 320 GRIT ABRASIVE TO REMOVE SURFACE GLOSS.
- F WIPE SURFACES WITH CLEAN CHEESE CLOTH MOISTENED WITH MIL-C-38736 OR FMS-2004 CLEANER.
- G APPLY A THIN COAT OF MIL-PRF-23377 PRIMER OR MIL-PRF-85582 VOC COMPLIANT EPOXY PRIMER TO ALL SURFACES.
- H PAINT PRIMED SURFACES WITH WHITE URETHANE PER 223.
- I TOUCH UP AS REQUIRED PER 237.

A911 **WHITE URETHANE (SPECIAL) PREVIOUSLY PRIMED PARTS IN AN ASSEMBLY**

- A PREVIOUSLY PRIMED SPECIFIED SURFACES SHALL BE SOLVENT CLEANED WITH MIL-C-38736 OR FMS-2004, SCUFFED TO REMOVE GLOSS WITH 320 GRIT ABRASIVE, RE-WIPED WITH SOLVENT CLEANER, AND MIST COATED WITH MIL-PRF-23377 OR MIL-PRF-85582 PRIMER.
- B PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222
- C TOUCH UP AS REQUIRED PER 236 AND 237.

A912 **WHITE URETHANE (ACCOUNTS FOR PREVIOUSLY PAINTED SURFACES) CLAD OR 1000, 3000, 5000 AND 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS**

- A FOR UNFINISHED PARTS, PROCEED AS FOLLOWS (FOR PREVIOUSLY PRIMED OR PAINTED PARTS, START WITH STEP E).
- B CHEM FILM ALL SURFACES PER 105.
- C PRIME ONE COAT ALL SURFACES PER 201.
- D PAINT ALL SURFACES PER STEP H.
- E SCUFF SAND PREVIOUSLY PRIMED OR PAINTED PARTS USING 320 GRIT ABRASIVE TO REMOVE SURFACE GLOSS.
- F WIPE SURFACES WITH CLEAN CHEESE CLOTH MOISTENED WITH MIL-C-38736 OR FMS-2004 CLEANER.
- G APPLY A THIN COAT OF MIL-PRF-23377 PRIMER OR MIL-PRF-85582 VOC COMPLIANT EPOXY PRIMER TO ALL SURFACES.
- H PAINT PRIMED SURFACES WITH WHITE URETHANE PER 223.
- I TOUCH UP AS REQUIRED PER 237.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A913 **WHITE URETHANE (ACCOUNTS FOR PREVIOUSLY PAINTED SURFACES) 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A FOR UNFINISHED PARTS, PROCEED AS FOLLOWS (FOR PREVIOUSLY PRIMED OR PAINTED PARTS, START WITH STEP E).
- B ANODIZE ALL SURFACES PER 111.
- C PRIME ONE COAT ALL SURFACES EXCEPT EXPOSED SURFACES OF LUBRICATION FITTINGS AND BUSHINGS PER 202.
- D PAINT PRIMED SURFACES PER STEP H.
- E SCUFF SAND PREVIOUSLY PRIMED OR PAINTED PARTS USING 320 GRIT ABRASIVE TO REMOVE SURFACE GLOSS.
- F WIPE SURFACES WITH CLEAN CHEESE CLOTH MOISTENED WITH MIL-C-38736 OR FMS-2004 CLEANER.
- G APPLY A THIN COAT OF MIL-PRF-23377 PRIMER OR MIL-PRF-85582 VOC COMPLIANT EPOXY PRIMER TO ALL SURFACES EXCEPT THE EXPOSED SURFACES OF LUBRICATION FITTINGS AND BUSHINGS.
- H PAINT PRIMED SURFACES WITH WHITE URETHANE PER 222.
- I TOUCH UP AS REQUIRED PER 237.

A914 **ORANGE URETHANE. FOR FS-X/F-2 INSTRUMENTATION ONLY. ALL ALUMINUM ALLOYS.**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT ALL SURFACES WITH MIL-C-83286 OR MIL-C-85285 URETHANE COATING, COLOR NO. 12197 PER FED-STD-595. TOPCOAT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL.
- D TOUCH UP AS REQUIRED PER 242 USING AN ADDITIONAL TOPCOAT OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, COLOR NO. 12197 PER FED-STD-595.

A915 **P6096-2 ON SPECIFIED INTERIOR SURFACES. TOPCOAT APPLIED AFTER ASSEMBLY. (FOR FS-X/F-2 PARTS)**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT SPECIFIED INTERIOR SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217.
- D TOUCH UP AS REQUIRED PER 242 AND 241.

A921 **IVD ALUMINUM COATING OR CADMIUM PLATING OF ALUMINUM ALLOYS (SPECIAL ELECTRICAL BONDING APPLICATION)**

- A CLEAN ALL SURFACES PER FPS-3001 PARA. 3.1.1(A)
- B IVD ALUMINUM TREAT ALL SURFACES PER MIL-C-83488 TYPE II, CLASS 3, OR VACUUM CADMIUM PLATE PER MIL-C-8837, TYPE II, CLASS 2.

NOTE: DO NOT USE WITHOUT MATERIALS AND PROCESSES ENGINEERING APPROVAL.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A922	**AMS-C-27725 FUEL TANK COATING, LUSTERLESS GRAY URETHANE, WHITE URETHANE, AND PRIMER BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING TO SPECIFIED INTERIOR FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME TWO COATS ON SURFACES SPECIFIED FOR PRIMER ONLY PER 205.
	D PRIME ONE COAT REMAINING SURFACES PER 202.
	E PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	F PAINT SPECIFIED SURFACES WITH LUSTERLESS GRAY URETHANE PER 282 (OR 280).
	G TOUCH UP AS REQUIRED PER 236, 237, 240, OR 284.
A923	**ALUMINUM TUBING ASSEMBLIES: WHITE URETHANE AND PRIMER. PNEUMATIC, AIR DATA, HYDRAULICS AND FUEL TUBING.**
	A CHEM FILM EXTERIOR SURFACE PER 107.
	B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT PRIMER .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 202.
	C FOR TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT PRIMER AS SPECIFIED PER 203.
	D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT) PRIME ONE COAT EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 272.
	E FOR TUBE ASSEMBLIES WITH BEADED TUBE ENDS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING PER 272.
	F PAINT SPECIFIED SURFACES WITH TWO COATS OF WHITE URETHANE COATING PER 222.
	G FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, TOUCH UP AS REQUIRED PER 237; BUT TOUCH UP ACROSS A C7551 ASSEMBLED JOINT IS NOT PERMITTED.
	H FOR TUBE ASSEMBLIES WITH "PERMASWAGE","DYNATUBE", OR FLARED FITTINGS, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 237.
A924	**FMS-1058-1 PRIMER. 2000, 5000, 6000 AND 7000 SERIES ALUMINUM TUBING. (FOR FS-X/F-2 WIRING CONDUIT ROUTED THRU FUEL AREA)**
	A CHEM FILM ALL SURFACES PER 105.
	B DIP COAT ALL SURFACES WITH FMS-1058-1 EPOXY AMINE PRIMER, EXCEPT WHERE SPECIFIED.
	C TOUCH UP AS APPLICABLE PER 240.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A925	**PRIMER AND WHITE URETHANE 16NXXXX FINISH CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOY AND ALUMINUM ALLOY CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 OR 274.
	D PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE COATING PER 257 OR 277. PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	F TOUCH UP AS REQUIRED PER 237, 242 AND 258 AS APPLICABLE. TOUCH UP AS REQUIRED ON PRODUCTION AIRCRAFT PER 298.
A926	**PRIMER AND 16NXXXX FINISH FOR SPECIAL ELECTRICAL BONDING APPLICATIONS.**
	A CHEM FILM SPECIFIED SURFACES FOR ELECTRICAL BONDING PER 178.
	B ANODIZE ALL OTHER SURFACES PER 111.
	C PRIME TWO COATS ON INTERIOR SURFACE PER 205 (OR 245)
	D PRIME EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001, EXCEPT ELECTRICAL BOND AREA.
	F TOUCH UP AS REQUIRED PER 235, 236, AND 242.
A927	**PRIMER, WHITE URETHANE, AND 16NXXXX FINISH FOR SPECIAL ELECTRICAL BONDING APPLICATIONS.**
	A CHEM FILM SPECIFIED SURFACES FOR ELECTRICAL BONDING PER 178.
	B ANODIZE ALL OTHER SURFACES PER 111.
	C PRIME SURFACES SPECIFIED FOR PRIME TWO COATS PER 205 (OR 245).
	D PRIME REMAINING SURFACES, EXCEPT ELECTRICAL BOND AREA ONE COAT PER 202.
	E PAINT SPECIFIED SURFACES PER 16NXXXX DRAWING.
	F PAINT SPEDIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	G TOUCH UP AS REQUIRED PER 236, 237 AND 298.
A928	**PRIMER AND 6069-2; REWORK OF DETAIL PART AT ASSEMBLY.**
	A REACTIVATE CHEM FILMED SURFACES PER 105.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT PRIMED SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
A929	**GRAY URETHANE AND 16NXXXX FINISH - PYLONS BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111 OR 112.
	B PRIME ALL SURFACES WITH ONE COAT OF PRIMER PER 201.
	C PAINT SPECIFIED SURFACES WITH GRAY COLOR 36270 URETHANE COATING PER 290 (OR 292).
	D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
	E TOUCH UP AS REQUIRED PER 242 AND 291.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A930 **WHITE URETHANE (FOR F-2 USE ONLY)**
FINAL COMPONENT PRIME AND PAINT

- A PREVIOUSLY PRIMED EXTERIOR SURFACES SHALL BE SOLVENT CLEANED WITH MIL-C-38736 OR FMS-2004, SCUFFED TO REMOVE GLOSS WITH 320 GRIT ABRASIVE, RE-WIPED WITH SOLVENT CLEANER, AND MIST COATED WITH MIL-PRF-23377 OR MIL-PRF-85582 PRIMER.
- B PRIME SPECIFIED EXTERIOR SURFACES ONE COAT PER 366.
- C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222
- D TOUCH UP AS REQUIRED PER 236 AND 237.

A931 **AMS-C-27725 FUEL TANK COATING AND HARD ANODIZE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

- A HARD ANODIZE SPECIFIED SURFACES PER 115.
- B ANODIZE REMAINING SURFACES PER 114.
- C APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- D TOUCH UP AS REQUIRED PER 240.

A932 **AMS-C-27725 FUEL TANK COATING, WHITE URETHANE,**
AND 16NXXXX FINISH – ALUMINUM CASTINGS

- A CHEM FILM ALL SURFACES PER 105.
- B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME ONE COAT REMAINING SURFACES PER 202.
- D PAINT SPECIFIED AREAS WITH WHITE URETHANE COATING PER 222
- E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER DRAWING 16NXXXX.
- F TOUCH UP AS REQUIRED PER 237, 240, AND 242.

A933 **BLUE URETHANE**
CLAD OR 1000, 3000, 5000 AND 6000 SERIES ALUMINUM ALLOYS AND CASTINGS

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT ALL SURFACES WITH BLUE URETHANE COATING PER 379 (OR 381).
- D TOUCH UP AS REQUIRED PER 380.

A934 **BLUE URETHANE (FOR F-2 PARTS)**
ALUMINUM CASTINGS AND 1000, 3000, 5000, AND 6000 SERIES AND CLAD ALUMINUM ALLOYS

- A CHEMICAL FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT SPECIFIED SURFACES WITH BLUE URETHANE TOPCOAT PER 378.
- D TOUCH UP AS REQUIRED PER 380.

A935 **BLUE URETHANE AND EXTERIOR SURFACE WITH NO TOP-COAT (USED ON F-2 PARTS WITH TOPCOAT APPLIED AFTER ASSY) BARE 2000 AND 7000 SERIES ALUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT SPECIFIED INTERIOR SURFACES WITH BLUE URETHANE COATING PER 378 (OR 381).
- D TOUCH UP AS REQUIRED PER 242 AND 380.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A936	**BLUE URETHANE (ACCOUNTS FOR PREVIOUSLY PAINTED SURFACES) 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A FOR UNFINISHED PARTS, PROCEED AS FOLLOWS (FOR PREVIOUSLY PRIMED OR PAINTED PARTS, START WITH STEP E).
	B ANODIZE ALL SURFACES PER 111.
	C PRIME ONE COAT ALL SURFACES PER 201.
	D PAINT ALL SURFACES PER STEP H.
	E SCUFF SAND PREVIOUSLY PRIMED OR PAINTED PARTS USING 320 GRIT ABRASIVE TO REMOVE SURFACE GLOSS.
	F WIPE SURFACES WITH CLEAN CHEESE CLOTH MOISTENED WITH MIL-C-38736 OR FMS-2004 CLEANER.
	G APPLY A THIN COAT OF MIL-PRF-23377 PRIMER OR MIL-PRF-85582 VOC COMPLIANT EPOXY PRIMER TO ALL SURFACES.
	H PAINT PRIMED SURFACES WITH BLUE URETHANE PER 379.
	I TOUCH UP AS REQUIRED PER 380.
A937	**BLUE URETHANE (ACCOUNTS FOR PREVIOUSLY PAINTED SURFACES) CLAD OR 1000,3000,5000 AND 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS**
	A FOR UNFINISHED PARTS, PROCEED AS FOLLOWS (FOR PREVIOUSLY PRIMED OR PAINTED PARTS, START WITH STEP E).
	B CHEM FILM ALL SURFACES PER 105.
	C PRIME ONE COAT ALL SURFACES PER 201.
	D PAINT ALL SURFACES PER STEP H.
	E SCUFF SAND PREVIOUSLY PRIMED OR PAINTED PARTS USING 320 GRIT ABRASIVE TO REMOVE SURFACE GLOSS.
	F WIPE SURFACES WITH CLEAN CHEESE CLOTH MOISTENED WITH MIL-C-38736 OR FMS-2004 CLEANER.
	G APPLY A THIN COAT OF MIL-PRF-23377 PRIMER OR MIL-PRF-85582 VOC COMPLIANT EPOXY PRIMER TO ALL SURFACES.
	H PAINT PRIMED SURFACES WITH BLUE URETHANE PER 379.
	I TOUCH UP AS REQUIRED PER 380.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A938 **BLUE URETHANE (ACCOUNTS FOR PREVIOUSLY PAINTED SURFACES) 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A FOR UNFINISHED PARTS, PROCEED AS FOLLOWS (FOR PREVIOUSLY PRIMED OR PAINTED PARTS, START WITH STEP E).
- B ANODIZE ALL SURFACES PER 111.
- C PRIME ONE COAT ALL SURFACES EXCEPT EXPOSED SURFACES OF LUBRICATION FITTINGS AND BUSHINGS PER 202.
- D PAINT PRIMED SURFACES PER STEP H.
- E SCUFF SAND PREVIOUSLY PRIMED OR PAINTED PARTS USING 320 GRIT ABRASIVE TO REMOVE SURFACE GLOSS.
- F WIPE SURFACES WITH CLEAN CHEESE CLOTH MOISTENED WITH MIL-C-38736 OR FMS-2004 CLEANER.
- G APPLY A THIN COAT OF MIL-PRF-23377 PRIMER OR MIL-PRF-85582 VOC COMPLIANT EPOXY PRIMER TO ALL SURFACES EXCEPT THE EXPOSED SURFACES OF LUBRICATION FITTINGS AND BUSHINGS.
- H PAINT PRIMED SURFACES WITH BLUE URETHANE PER 378.
- I TOUCH UP AS REQUIRED PER 380.

A939 **BLUE AND WHITE URETHANE (FOR F-2 USE ONLY) FINAL COMPONENT PRIME AND PAINT**

- A PREVIOUSLY PRIMED EXTERIOR SURFACES SHALL BE SOLVENT CLEANED WITH MIL-C-38736 OR FMS-2004, SCUFFED TO REMOVE GLOSS WITH 320 GRIT ABRASIVE, RE-WIPED WITH SOLVENT CLEANER, AND MIST COATED WITH MIL-PRF-23377 OR MIL-PRF-85582 PRIMER.
- B PRIME SPECIFIED EXTERIOR SURFACES ONE COAT PER 366.
- C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222
- D PAINT SPECIFIED SURFACES WITH BLUE URETHANE COATING PER 378.
- E TOUCH UP AS REQUIRED PER 236, 237, AND 380.

A940 **AMS-C-27725 FUEL TANK COATING AND 16NXXXX FINISH ALUMINUM CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
- C PRIME ONE COAT REMAINING SURFACES PER 202.
- D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER DRAWING 16NXXXX.
- E TOUCH UP AS REQUIRED PER 240 AND 242.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A941	**ALUMINUM TUBING ASSEMBLIES: WHITE URETHANE AND 16NXXXX FINISH PNEUMATIC, AIR DATA, HYDRAULICS, & FUEL TUBING.**
	A CHEM FILM EXTERIOR SURFACE OF TUBING ASSEMBLY PER 107.
	B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT PRIMER .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 202.
	C FOR TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT PRIMER AS SPECIFIED PER 203.
	D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT) PRIME ONE COAT EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 272.
	E FOR TUBE ASSEMBLIES WITH BEADED TUBE ENDS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING PER 272.
	F PAINT SPECIFIED SURFACES WITH TWO COATS OF WHITE URETHANE COATING PER 224.
	G FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER THE APPLICABLE 16NXXXX PAINTING DRAWING.
	H FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, TOUCH UP AS REQUIRED PER 237; BUT TOUCH UP ACROSS A C7551 ASSEMBLED JOINT IS NOT PERMITTED.
	I FOR TUBE ASSEMBLIES WITH "PERMASWAGE", "DYNATUBE", OR FLARED FITTINGS, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING ACROSS ASSEMBLED JOINT PER 237.
A942	**UNIFORM PRIMER APPLICATION (FOR F-2 USE ONLY)**
	A PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED WITH MIL-C-38736 OR FMS-2004, SCUFFED TO REMOVE GLOSS WITH 320 GRIT ABRASIVE, RE-WIPED WITH SOLVENT CLEANER, AND MIST COATED WITH MIL-PRF-23377 OR MIL-PRF-85582 PRIMER.
	B TOUCH UP AS REQUIRED PER 236.
A943	**AMS-C-27725 FUEL TANK COATING, WHITE ACRYLIC LACQUER/WHITE URETHANE, AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME ONE COAT SPECIFIED INTERIOR SURFACES PER 202.
	D PAINT SPECIFIED INTERIOR SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	E PRIME ONE COAT EXTERIOR EXPOSED SURFACES PER 202.
	F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	G TOUCH UP AS REQUIRED PER 235, 240, 242, AND 295.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A944 **DARK GRAY URETHANE**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT SPECIFIED SURFACES PER 202.
C PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE COATING PER 527.
D TOUCH UP AS REQUIRED PER 530.

A945 **WHITE URETHANE, P6255 COATING, AND 16NXXXX FINISH**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ALL SURFACES ONE COAT PER 531.
C PAINT SPECIFIED INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D APPLY FMS-3049 COATING TO SPECIFIED SURFACES PER 532.
E PAINT SPECIFIED SURFACES WITH P6255 COATING PER ENGINEERING REPORT 16ER2032.
F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
G TOUCH UP AS REQUIRED PER 237, AND ENGINEERING REPORT 16ER2032.

A946 **GRAY EPOXY ENAMEL/GRAY URETHANE**
2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT SPECIFIED SURFACES PER 202.
C PAINT ONE COAT ON SPECIFIED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
D TOUCH UP AS REQUIRED PER 238.

A947 **LIGHT GRAY URETHANE AND 16NXXXX FINISH – PYLON**
BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME ONE COAT ALL SURFACES PER 531.
C PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT GRAY URETHANE PER 254 (OR 276).
D FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
E TOUCH UP AS REQUIRED PER 536, 246, OR 255.
F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A948 **PRIMER AND LIGHT GRAY URETHANE**
2000 AND 7000 SERIES ALUMINUM ALLOYS

A ANODIZE ALL SURFACES PER 111.
B PRIME TWO COATS SPECIFIED SURFACES PER 538 (OR 245).
C PRIME ONE COAT SPECIFIED SURFACES PER 535.
D PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276).
E TOUCH UP AS REQUIRED PER 536 OR 255.
F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A949 **LIGHT GRAY URETHANE AND 16NXXXX FINISH – PYLON CLAD OR 1000, 3000, 5000, 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 531.
- C PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT GRAY URETHANE PER 254 (OR 276).
- D FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- E TOUCH UP AS REQUIRED PER 536, 246 OR 255.
- F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A950 **PRIMER, LIGHT GRAY URETHANE, AND 16NXXXX FINISH ALUMINUM ALLOY CASTINGS - PYLON**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME TWO COATS SPECIFIED INTERIOR SURFACES PER 538 (OR 245).
- C PRIME ONE COAT REMAINING SPECIFIED SURFACES PER 535.
- D PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276).
- E FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- F TOUCH UP AS REQUIRED PER 539, 536, 246 OR 255.
- G NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A951 **PRIMER AND 16NXXXX FINISH – PYLONS BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT EXTERIOR EXPOSED SURFACES PER 535.
- C FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- D PRIME TWO COATS REMAINING SURFACES, UNLESS OTHERWISE SPECIFIED, PER 538 (OR 245).
- E TOUCH UP AS REQUIRED PER 539 AND 298.
- F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A952 **PRIMER, LIGHT GRAY URETHANE, 16NXXXX FINISH, HARD ANODIZE - PYLONS. 2000 AND 7000 SERIES ALUMINUM ALLOYS.**

- A HARD ANODIZE SPECIFIED SURFACES PER 115.
- B ANODIZE REMAINING SURFACES PER 114.
- C PRIME TWO COATS SPECIFIED SURFACES PER 538 (OR 245).
- D PRIME ONE COAT REMAINING SPECIFIED SURFACES PER 535.
- E PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276).
- F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- G TOUCH UP AS REQUIRED PER 539, 536, 246, OR 255.
- H NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A953 **WHITE URETHANE, P6255 COATING, AND 16NXXXX FINISH CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ALL SURFACES ONE COAT PER 531.
- C PAINT SPECIFIED INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- D APPLY FMS-3049 COATING TO SPECIFIED SURFACES PER 532.
- E PAINT SPECIFIED SURFACES WITH P6255 COATING PER ENGINEERING REPORT 16ER2032.
- F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSY PER THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- G TOUCH UP AS REQUIRED PER 237, AND ENGINEERING REPORT 16ER2032.

A954 **LIGHT SEMIGLOSS GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT ALL SURFACES WITH LIGHT SEMIGLOSS GRAY URETHANE COATING PER 541 (OR 542).
- D TOUCH UP AS REQUIRED PER 543.

A955 **PRIMER AND LIGHT SEMIGLOSS GRAY URETHANE 2000 AND 7000 SERIES ALUMINUM ALLOYS - PYLONS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME TWO COATS EXTERIOR SURFACES PER 538 (OR 245).
- C PRIME ONE COAT INTERIOR SURFACES PER 535.
- D PAINT INTERIOR SURFACES WITH LIGHT SEMIGLOSS GRAY URETHANE COATING PER 544 (OR 547).
- E TOUCH UP AS REQUIRED PER 536 OR 549.
- F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A956 **PRIMER AND LIGHT SEMIGLOSS GRAY URETHANE – PYLONS CLAD OR 1000, 3000, 5000, OR 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 531.
- C PAINT INTERIOR SURFACES WITH LIGHT SEMIGLOSS GRAY URETHANE COATING PER 544 (OR 547).
- D TOUCH UP AS REQUIRED PER 536 AND 549.
- E NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A957 **PRIMER, LIGHT SEMIGLOSS GRAY URETHANE, AND 16NXXXX FINISH – PYLON. ALUMINUM ALLOY CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME TWO COATS SPECIFIED INTERIOR SURFACES PER 538 (OR 245).
- C PRIME ONE COAT REMAINING SPECIFIED SURFACES PER 535.
- D PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT SEMIGLOSS GRAY URETHANE COATING PER 544 (OR 547).
- E FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- F TOUCH UP AS REQUIRED PER 539, 536, 246 OR 549.
- G NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A958 **PRIMER, LIGHT SEMIGLOSS GRAY URETHANE, 16NXXXX FINISH, HARD ANODIZE - PYLONS 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A HARD ANODIZE SPECIFIED SURFACES PER 115.
- B ANODIZE REMAINING SURFACES PER 114.
- C PRIME TWO COATS SPECIFIED SURFACES PER 538 (OR 245).
- D PRIME ONE COAT REMAINING SPECIFIED SURFACES PER 535.
- E PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT SEMIGLOSS GRAY URETHANE COATING PER 544 (OR 547).
- F FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- G TOUCH UP AS REQUIRED PER 539, 536, 246, OR 549.
- H NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A959 **WHITE URETHANE – CLAD OR 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS AND CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 531.
- C PAINT ALL SURFACES WITH WHITE URETHANE COATING PER 223 (OR 546).
- D TOUCH UP AS REQUIRED PER 545.
- E NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A960 **BLUE AND WHITE URETHANE FINAL FINISH (FOR F-2 USE ONLY)**

- A PREVIOUSLY PRIMED EXTERIOR SURFACES SHALL BE ACETONE (ASTM D329) WIPED FOLLOWED BY SCUFF SANDING WITH 180 GRIT OR FINER ABRASIVE, AND ALKALINE CLEANED WITH MIL-PRF-87937 CLEANING COMPOUND.
- B SPRAY CHEMICAL FILM ON ALL SCUFFED SURFACES PER MIL-C-5541.
- C ACETONE (ASTM D329) WIPE THE EXTERIOR SURFACE PRIOR TO PRIMER APPLICATION.
- D FOR EXTERIOR SURFACES THAT DO NOT RECEIVE FINAL FINISH, PRIME WITH ONE COAT OF MIL-PRF-85582 PRIMER.
- E FOR SURFACES RECEIVING FINAL FINISH, PREPARE PER STEPS F. THROUGH I.
- F PRIME SPECIFIED EXTERIOR SURFACES WITH A MIST COAT OF FMS-1058 PRIMER.
- G PRIME SPECIFIED EXTERIOR SURFACES WITH ONE COAT OF FMS-3035 PRIMER PER 366.
- H PAINT SPECIFIED SURFACES WITH WHITE URETHANE PER 222.
- I PAINT SPECIFIED SURFACE WITH BLUE URETHANE PER 378.
- J TOUCH UP AS REQUIRED PER 236, 237, AND 380.

A961 **REWORK OF CURED PRIMER – WHITE URETHANE AND 16NXXXX FINISH ALL ALUMINUM ALLOYS COVERED WITH CURED PRIMER**

- A CLEAN AND ACTIVATE CURED PRIMER PER 174.
- B PAINT INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- C FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- D TOUCH UP AS REQUIRED PER 235 AND 242.

A962 **WHITE URETHANE AND 16NXXXX FINISH CLAD AND 1000, 3000, 5000, AND 6000 SERIES ALUMINUM ALLOYS AND ALUMINUM CASTINGS**

- A CHEM FILM ALL SURFACES PER 105.
- B PRIME ONE COAT ALL SURFACES PER 531.
- C PAINT INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
- D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER THE APPLICABLE 16NXXXX PAINTING DRAWING.
- E TOUCH UP AS REQUIRED PER 536, 545, AND 245.
- F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A963 **PRIMER AND DARK GRAY TEFLON-URETHANE (FOR F-2 USE ONLY) BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT SURFACES REQUIRING TEFLON-URETHANE COATING PER 202.
- C PAINT SPECIFIED SURFACES WITH TWO COATS OF DARK GRAY TEFLON-URETHANE COATING PER 259 (OR 288).
- D PRIME REMAINING SURFACES TWO COATS PER 205.
- E TOUCH UP AS REQUIRED PER 242 AND 260.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH

A964 **WHITE ACRYLIC LACQUER/WHITE URETHANE AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 531.
- C PAINT INTERIOR SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
- D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- E TOUCH UP AS REQUIRED PER 235, 536 OR 295.
- F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A965 **WHITE URETHANE AND 16NXXXX FINISH (ADHESIVE BONDED ASSEMBLY)**

- A CLEAN AND BRUSH CHEM FILM ALL EXPOSED SURFACES PER 134.
- B PRIME ONE COAT ALL SURFACES PER 531.
- C PAINT INTERIOR SURFACES WITH WHITE URETHANE PER 222.
- D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
- E TOUCH UP AS REQUIRED PER 545 OR 536.
- F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A966 **PRIMER AND 16NXXXX FINISH – PYLON BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME TWO COATS SPECIFIED SURFACES PER 538 (OR 245).
- C PRIME ONE COAT REMAINING EXTERIOR SURFACES PER 535.
- D FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- E TOUCH UP AS REQUIRED PER 539, 536 OR 246.
- F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

A967 **LIGHT SEMIGLOSS GRAY URETHANE BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT SPECIFIED SURFACES PER 202.
- C PAINT PRIMED SURFACES WITH LIGHT SEMIGLOSS GRAY URETHANE COATING PER 544 (OR 542).
- D TOUCH UP AS REQUIRED PER 543.

A968 **16XXXX FINISH – PYLON. BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**

- A ANODIZE ALL SURFACES PER 111.
- B PRIME ONE COAT ALL SURFACES PER 531.
- C FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- D TOUCH UP AS REQUIRED PER 539 AND 552.
- E NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A969	**WHITE URETHANE, P5438-2 COATING, AND 16NXXXX FINISH - ALUMINUM ALLOYS PREVIOUSLY PRIMED.**
	A APPLY FMS-3049 COATING TO SPECIFIED SURFACES PER 532.
	B PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	C PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE COATING PER 254 (OR 276).
	D APPLY P5438-2 RAIN EROSION RESISTANT COATING TO SPECIFIED SURFACES PER 515.
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
	F TOUCH UP AS REQUIRED PER 237 AND FPS-3057.
A970	**REWORK OF CURED PRIMER - WHITE URETHANE. ALL ALUMINUM ALLOYS COVERED WITH CURED PRIMER.**
	A CLEAN AND ACTIVATE CURED PRIMER PER 174.
	B PAINT SPECIFIED SURFACES WITH WHITE URETHANE PER 222.
	C TOUCH UP AS REQUIRED PER 237.
A971	**PRIMER, WHITE URETHANE AND 16NXXXX FINISH BARE 2000 AND 7000 SERIES ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT ALL SURFACES PER 531.
	C PAINT INTERIOR SURFACES AFTER ASSEMBLY WITH WHITE URETHANE PER ASSEMBLY FINISH CODE.
	D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
	E TOUCH UP AS REQUIRED PER 235 AND 536.
	F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A972	**ALUMINUM TUBING ASSEMBLIES: PRIMER AND WHITE URETHANE COATING. PNEUMATIC, AIR DATA, HYDRAULIC, AND FUEL TUBING.**
	A CHEM FILM EXTERIOR SURFACE PER 107.
	B FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY EXCEPT OMIT PRIMER .50 INCH FROM THE FACE OF THE FITTING UNLESS OTHERWISE SPECIFIED ON THE DRAWING (OMIT 1.0 INCH MAXIMUM) PER 202.
	C FOR TUBE ASSEMBLIES WITH "PERMASWAGE" OR "DYNATUBE" FITTINGS PRIME ONE COAT EXTERIOR SURFACE OF TUBING ASSEMBLY, EXCEPT OMIT PRIMER AS SPECIFIED PER 203.
	D FOR TUBE ASSEMBLIES WITH FLARED FITTINGS (SLEEVE AND BT NUT) PRIME ONE COAT EXTERIOR SURFACE OF TUBE TO THE BASE OF SLEEVE PER 272.
	E FOR TUBE ASSEMBLIES WITH BEADED TUBE ENDS, PRIME ONE COAT EXTERIOR SURFACE OF TUBING PER 272.
	F PAINT SPECIFIED SURFACES WITH TWO COATS OF WHITE URETHANE COATING PER 554.
	G FOR TUBE ASSEMBLIES WITH C7551 FITTINGS, TOUCH UP AS REQUIRED PER 237 OR 242; BUT TOUCH UP ACROSS A C7551 ASSEMBLED JOINT IS NOT PERMITTED.
	H FOR TUBE ASSEMBLIES WITH "PERMASWAGE", "DYNATUBE",OR FLARED FITTINGS, TOUCH UP OR COMPLETE REQUIRED FINISH INCLUDING INCLUDING ACROSS ASSEMBLED JOINT PER 237 OR 242.
A973	**LIGHT SEMIGLOSS GRAY URETHANE CLAD, OR 1000, 3000, 5000, OR 6000 SERIES ALUM. ALLOYS AND ALUMINUM ALLOY CASTINGS**
	A CHEM FILM ALL SURFACES PER 105.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ALL SURFACES WITH LIGHT SEMIGLOSS GRAY URETHANE COATING PER 541 (OR 542).
	D TOUCH UP AS REQUIRED PER 543.
A974	**DARK GRAY URETHANE AND 16NXXXX FINISH - PYLONS BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS**
	A ANODIZE ALL SURFACES PER 111.
	B PRIME ONE COAT SPECIFIED SURFACES PER 535.
	C PAINT SPECIFIED INTERIOR SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277).
	D FINISH EXTERIOR SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
	E TOUCH UP AS REQUIRED PER 536, 246 OR 258.
	F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION A. ALUMINUM ALLOYS

CODE	APPLICABLE FINISH
A975	**PRIMER AND LIGHT SEMIGLOSS GRAY URETHANE 2000 AND 7000 SERIES ALUMINUM ALLOYS - PYLONS**

A ANODIZE ALL SURFACES PER 111 OR 112.
B PRIME TWO COATS EXTERIOR SURFACES PER 538 (OR 245).
C PRIME ONE COAT INTERIOR SURFACES PER 535.
D PAINT INTERIOR SURFACES WITH LIGHT SEMIGLOSS GRAY URETHANE COATING PER 544 (OR 547).
E TOUCH UP AS REQUIRED PER 539 OR 549.
F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION D. NON-CORROSION RESISTANT STEEL ALLOYS

CODE		APPLICABLE FINISH
D100		**NO FINISH REQUIRED**
	A	NO FINISH REQUIRED
D104		**DO NOT FINISH. DETAIL OF WELD ASSEMBLY.**
	A	NO FINISH REQUIRED
D120		**ALLOY STEEL - CADMIUM PLATE OR IVD ALUMINUM HEAT TREAT STRENGTH 180 KSI OR LESS**
	A	CADMIUM PLATE PER 120 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
D121		**ALLOY STEEL - CADMIUM PLATE OR IVD ALUMINUM HEAT TREAT LEVEL: 180-220 KSI**
	A	CADMIUM PLATE PER 121 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
D123		**ALLOY STEEL - CADMIUM PLATE OR IVD ALUMINUM HEAT TREAT STRENGTH: GREATER THAN 240 KSI**
	A	CADMIUM PLATE PER 123 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
D136		**REWORK OF ALLOY STEEL STANDARD PART-CADMIUM PLATE ALLOY STEELS**
	A	BRUSH CADMIUM PLATE SPECIFIED AREAS PER 136 OR REPLATE PER 511.
		NOTE: ELEMENT 511 IS NOT TO BE USED FOR ANY STEEL WITH TENSILE STRENGTH GREATER THAT 240 KSI.
D210		**ALLOY STEEL ROUGH FORGINGS-CORROSION PREVENTIVE COMPOUND ALL ALLOY STEEL ROUGH FORGINGS**
	A	APPLY CORROSION PREVENTIVE COMPOUND PER 210.
D211		**CORROSION PREVENTIVE SHIPPING PAPER ALL ALLOY STEELS (FOR F2 ONLY)**
	A	PREPARE ALL SURFACES PER 526.
D401		**ALLOY STEEL - CADMIUM PLATE OR IVD ALUMINUM HEAT TREAT LEVEL: 220-240 KSI**
	A	CADMIUM PLATE PER 122 OR 123, OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
D402		**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) PRIMER. HEAT RANGE 180 KSI OR LESS**
	A	CADMIUM PLATE PER 120 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
	B	PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
	C	TOUCH UP AS REQUIRED PER 307.
D403		**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) GRAY EPOXY ENAMEL/GRAY URETHANE HEAT TREAT RANGE - 180 KSI OR LESS**
	A	CADMIUM PLATE PER 120 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
	B	PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
	C	PAINT PRIMED AREAS WITH GRAY EPOXY ENAMEL PER 211.
	D	TOUCH UP AS REQUIRED PER 309.

APPENDIX A. Finish Codes

SECTION D. NON-CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH

D404 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) BLACK EPOXY ENAMEL/BLACK URETHANE HEAT TREAT RANGE: 180 KSI OR LESS**

- A CADMIUM PLATE PER 120 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
- B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
- C PAINT PRIMED AREAS WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
- D TOUCH UP AS REQUIRED PER 310.

D405 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) WHITE URETHANE HEAT TREAT RANGE - 180 KSI OR LESS**

- A CADMIUM PLATE PER 120 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
- B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
- C PAINT PRIMED AREAS WITH WHITE URETHANE COATING PER 222 (OR 274).
- D TOUCH UP AS REQUIRED PER 312.

D406 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) PRIMER HEAT TREAT RANGE - 180 KSI OR LESS**

- A CADMIUM PLATE PER 120 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
- B PRIME ONE COAT ON ALL SURFACES PER 201.
- C TOUCH UP AS REQUIRED PER 307.

D407 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) PRIMER HEAT TREAT RANGE: 180-220 KSI**

- A CADMIUM PLATE PER 121 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
- B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
- C TOUCH UP AS REQUIRED PER 307.

D408 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) GRAY EPOXY ENAMEL/GRAY URETHANE HEAT TREAT RANGE: 180–220 KSI**

- A CADMIUM PLATE PER 121 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
- B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
- C PAINT PRIMED AREAS WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
- D TOUCH UP AS REQUIRED PER 309.

D409 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) BLACK EPOXY ENAMEL/BLACK URETHANE HEAT TREAT RANGE: 180-220 KSI**

- A CADMIUM PLATE PER 121 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
- B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
- C PAINT PRIMED AREAS WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
- D TOUCH UP AS REQUIRED PER 310.

APPENDIX A. Finish Codes

SECTION D. NON-CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH

D410 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)**
WHITE URETHANE
HEAT TREAT RANGE: 180-220 KSI

- A CADMIUM PLATE PER 121 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
- B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
- C PAINT PRIMED AREAS WITH WHITE URETHANE COATING PER 222 (OR 274).
- D TOUCH UP AS REQUIRED PER 312.

D411 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)**
BLACK AND ORANGE-YELLOW EPOXY ENAMEL OR URETHANE STRIPES
ALLOY STEEL 180 KSI OR LESS HEAT TREAT

- A CADMIUM PLATE PER 120 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
- B PRIME ALL SURFACES ONE COAT PER 201.
- C PAINT ONE COAT BLACK AND ORANGE-YELLOW EPOXY ENAMEL OR URETHANE PER 218.
- D TOUCH UP AS REQUIRED PER 311.

D412 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)**
DARK GRAY URETHANE
HEAT TREAT RANGE: 220-240 KSI

- A ELECTROLESS NICKEL PLATE SPECIFIED SURFACES PER 164 AND BAKE PRIOR TO CADMIUM PLATING/IVD ALUMINUM.
- B CADMIUM PLATE PER 154 OR IVD ALUMINUM TREAT PER 517 REMAINING SURFACES.
- C PRIME ONE COAT SPECIFIED SURFACES PER 202.
- D PAINT SPECIFIED PRIMED SURFACES WITH DARK GRAY URETHANE COATING PER 257.
- E TOUCH UP AS REQUIRED PER 313.

D413 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) EPOXY PRIMER**
HEAT TREAT RANGE: 220-240 KSI

- A CADMIUM PLATE PER 122 OR 123, OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
- B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
- C TOUCH UP AS REQUIRED PER 307.

D414 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)**
GRAY EPOXY ENAMEL/GRAY URETHANE
HEAT TREAT RANGE: 220 – 240 KSI

- A CADMIUM PLATE PER 122 OR 123, OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
- B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
- C PAINT PRIMED AREAS WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
- D TOUCH UP AS REQUIRED PER 309.

APPENDIX A. Finish Codes

SECTION D. NON-CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH

D415 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)**
BLACK EPOXY ENAMEL/BLACK URETHANE
HEAT TREAT RANGE: 220 – 240 KSI

A CADMIUM PLATE PER 122 OR 123, OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
C PAINT PRIMED AREAS WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
D TOUCH UP AS REQUIRED PER 310.

D416 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)**
WHITE URETHANE
HEAT TREAT RANGE: 220 – 240 KSI

A CADMIUM PLATE PER 122 OR 123, OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWINGS PER 202.
C PAINT PRIMED AREAS WITH WHITE URETHANE COATING PER 222 (OR 274).
D TOUCH UP AS REQUIRED PER 312.

D417 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)**
WHITE URETHANE
HEAT TREAT RANGE: 220 – 240 KSI

A CADMIUM PLATE PER 122 OR 123, OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT ALL SURFACES WITH WHITE URETHANE COATING PER 223 (OR 274).
D TOUCH UP AS REQUIRED PER 312.

D418 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)**
DARK GRAY URETHANE
ALLOY STEEL, HEAT TREAT RANGE: 220-240 KSI

A ELECTROLESS NICKEL PLATE SPECIFIED SURFACES PER 500.
B CADMIUM PLATE PER 154 OR IVD ALUMINUM TREAT PER 517 REMAINING SURFACES.
C PRIME ONE COAT SPECIFIED SURFACES PER 202.
D PAINT SPECIFIED PRIMED SURFACES WITH DARK GRAY URETHANE COATING PER 257.
E TOUCH UP AS REQUIRED PER 313.

D419 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) PRIMER**
HEAT TREAT RANGE: GREATER THAN 240 KSI

A CADMIUM PLATE PER 123 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
C TOUCH UP AS REQUIRED PER 307.

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SECTION D. NON-CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
D420	**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)** **WHITE URETHANE** **HEAT TREAT RANGE: GREATER THAN 240 KSI** A CADMIUM PLATE PER 123 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES. B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202. C PAINT PRIMED AREAS WITH WHITE URETHANE COATING PER 222 (OR 274). D TOUCH UP AS REQUIRED PER 312.
D421	**ALLOY STEEL - GRAY EPOXY ENAMEL/GRAY URETHANE** **REWORK OF CADMIUM PLATED PARTS** A APPLY CHROMATE CONVERSION COATING TO ALL SURFACES PER 171. B PRIME ONE COAT ON SURFACES SPECIFIED FOR GRAY EPOXY ENAMEL PER 202. C PAINT PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211. D TOUCH UP AS REQUIRED PER 309.
D422	**ALLOY STEEL - BLACK EPOXY ENAMEL/BLACK URETHANE** **REWORK OF CADMIUM PLATED PARTS** A APPLY CHROMATE CONVERSION COATING TO ALL SURFACES PER 171. B PRIME ONE COAT ON SURFACES SPECIFIED FOR BLACK EPOXY ENAMEL PER 202. C PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213. D TOUCH UP AS REQUIRED PER 310.
D423	**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)** **WHITE URETHANE CORROSION PREVENTIVE COMPOUND** **HEAT TREAT RANGE: GREATER THAN 240 KSI** A CADMIUM PLATE PER 155 OR IVD ALUMINUM TREAT PER 517 SPECIFIED SURFACES. B PRIME ONE COAT ON SPECIFIED AREAS PER 202. C PAINT PRIMED AREAS WITH WHITE URETHANE COATING PER 222 (OR 274). D APPLY CORROSION PREVENTIVE COMPOUND TO BARE SURFACES PER 250 E TOUCH UP AS REQUIRED PER 312.
D424	**ALLOY STEEL - P6096-2 FLAT BLACK URETHANE** **REWORK OF CADMIUM PLATED PARTS** A CLEAN PER 144. B PRIME ONE COAT EXPOSED SURFACES PER 202. C PAINT PRIMED SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
D425	**ALLOY STEEL SPRINGS - PRIMER** A CADMIUM PLATE PER 120 OR 121, OR IVD ALUMINUM TREAT PER 516 ALL SURFACES. B PRIME ALL SURFACES ONE COAT PER 201. C TOUCH UP AS REQUIRED PER 307.
D426	**ALLOY STEEL SPRINGS - CORROSION PREVENTIVE COMPOUND** A CADMIUM PLATE PER 121 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES. B COAT ALL SURFACES WITH COMPOUND PER 210.

APPENDIX A. Finish Codes

SECTION D. NON-CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
D427	**ALLOY STEEL SPRINGS - NO FINISH** **USED IN OIL OR GREASE MEDIA** A TEMPORARILY PROTECT BY COATING WITH COMPOUND PER 210. B PRIOR TO INSTALLATION, DEGREASE OR SOLVENT CLEAN. C COAT WITH OIL OR GREASE SPECIFIED ON DRAWING.
D428	**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)** **DARK GRAY URETHANE** **HEAT TREAT RANGE: 180 – 220 KSI** A CADMIUM PLATE PER 121 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES. B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202. C PAINT SPECIFIED PRIMED AREAS WITH DARK GRAY URETHANE PER 257. D TOUCH UP AS REQUIRED PER 313.
D429	**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)** **LUSTERLESS BLACK URETHANE** **HEAT TREAT RANGE: 180 KSI OR LESS** A CADMIUM PLATE PER 120 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES. B PRIME ONE COAT ON AREAS SPECIFIED ON THE DRAWING PER 202. C PAINT PRIMED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281). D TOUCH UP AS REQUIRED PER 314.
D430	**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)** **LUSTERLESS BLACK URETHANE** **HEAT TREAT RANGE: 220 – 240 KSI** A CADMIUM PLATE PER 122 OR 123, OR IVD ALUMINUM TREAT PER 516 ALL SURFACES. B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202. C PAINT PRIMED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281). D TOUCH UP AS REQUIRED PER 314.
D431	**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)** **DARK GRAY URETHANE** **HEAT TREAT RANGE: 180 KSI OR LESS** A CADMIUM PLATE PER 120 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES. B PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202. C PAINT SPECIFIED PRIMED AREAS WITH DARK GRAY URETHANE PER 257 D TOUCH UP AS REQUIRED PER 313.
D450	**ALLOY STEEL - PRIMER AND SOLID FILM LUBRICANT.** **HEAT TREAT TO 180 KSI OR LESS (FOR 10 NICKEL STEEL).** A PREPARE SURFACE AND TREAT PER 116. B APPLY SOLID FILM LUBE TO SURFACES NOTED PER 207. C PRIME TWO COATS TO AREAS NOTED ON DRAWING PER 205. D TOUCH UP AS REQUIRED PER 308 AND 315.

APPENDIX A. Finish Codes

SECTION D. NON-CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH

D451 **ALLOY STEEL - PRIMER AND SOLID FILM LUBRICANT HEAT TREATED TO 180 - 240 KSI RANGE**

A PREPARE SURFACE AND TREAT PER 117.
B APPLY SOLID FILM LUBE TO SURFACES NOTED PER 553.
C PRIME TWO COATS TO AREAS NOTED ON DRAWING PER 205.
D TOUCH UP AS REQUIRED PER 308 AND 315.

D452 **ALLOY STEEL - PRIMER AND SOLID FILM LUBRICANT HEAT TREATED TO GREATER THAN 240 KSI**

A PREPARE SURFACE AND TREAT PER 118.
B APPLY SOLID FILM LUBE TO SURFACES NOTED PER 207.
C PRIME TWO COATS TO AREAS NOTED ON DRAWING PER 205.
D TOUCH UP AS REQUIRED PER 308 AND 315.

D453 **ALLOY STEEL - SOLID FILM LUBRICANT HEAT TREAT RANGE - 180 KSI OR LESS**

A PREPARE SURFACES AND TREAT PER 116.
B APPLY SOLID FILM LUBE PER 228.
C TOUCH UP AS REQUIRED PER 315.

D454 **ALLOY STEEL - SOLID FILM LUBRICANT HEAT TREATED TO GREATER THAN 240 KSI**

A PREPARE SURFACES AND TREAT PER 118.
B APPLY SOLID FILM LUBRICANT TO ALL SURFACES PER 228.
C TOUCH UP AS REQUIRED PER 315.

D455 **ALLOY STEEL - PRIMER, BLACK EPOXY ENAMEL/BLACK URETHANE, AND SOLID FILM LUBRICANT ALLOY STEEL 240 KSI UTS HEAT TREAT**

A PREPARE ALL SURFACES AND TREAT PER 118.
B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 207.
C PRIME TWO COATS TO REMAINING SURFACES, UNLESS OTHERWISE SPECIFIED, PER 205.
D PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
E TOUCH UP AS REQUIRED PER 310 AND 315.

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SECTION D. NON-CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH

D456 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)**
16NXXXX FINISH AND SOLID FILM LUBRICANT
HEAT TREAT LEVEL: GREATER THAN 240 KSI

A PREPARE SPECIFIED SURFACES AND TREAT PER 165.
B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES PER 207.
C ON REMAINING SURFACES, VACUUM CADMIUM PLATE PER 155 OR APPLY IVD ALUMINUM PER 517.
D PRIME ONE COAT TO SPECIFIED SURFACES PER 202.
E PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
F TOUCH UP AS REQUIRED PER 345 AND 315.

D457 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)**
16NXXXX FINISH AND MOLYBDENUM WEAR COATING
ALLOY STEELS HEAT TREATED GREATER THAN 220 KSI

A CLEAN, PREPARE, AND APPLY MOLYBDENUM WEAR COATING TO THE SPECIFIED SURFACES IN THICKNESSES NOTED ON DRAWING PER 162.
B ON REMAINING SURFACES, VACUUM CADMIUM PLATE PER 155 OR APPLY IVD ALUMINUM PER 517.
C PRIME ONE COAT SPECIFIED SURFACES PER 202.
D PAINT SPECIFIED SURFACES WITH DARK GRAY URETHANE COATING PER 257 (OR 277) FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
E TOUCH UP AS REQUIRED PER 345.

D458 **ALLOY STEEL - PRIMER, LUSTERLESS BLACK**
URETHANE, AND SOLID FILM LUBRICANT
HEAT TREAT RANGE: 240 KSI UTS

A PREPARE ALL SURFACES AND TREAT PER 118.
B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES IN NOTED DIMENSIONS PER 207.
C PRIME TWO COATS ON REMAINING SURFACES, UNLESS OTHERWISE SPECIFIED, PER 205.
D PAINT PRIMED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
E TOUCH UP AS REQUIRED PER 314 AND 315.

D459 **ALLOY STEEL - SOLID FILM LUBRICANT, ALL SURFACES**
HEAT TREAT RANGE: 180 - 240 KSI UTS

A PREPARE ALL SURFACES AND TREAT PER 117.
B APPLY SOLID FILM LUBRICANT TO ALL SURFACES PER 228.
C TOUCH UP AS REQUIRED PER 315.

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SECTION D. NON-CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
D460	**ALLOY STEEL-(CADMIUM PLATE OR IVD ALUM) PRIMER HT TR RNG: 220 – 240 KSI(FOR APPLICATIONS W/OUT SIGNIFICANT SUSTAINED TENSILE OR DYNAMIC LOAD)**
A	CHROMIUM PLATE SPECIFIED AREA PER 143.
B	CADMIUM PLATE PER 154 OR 155, OR IVD ALUMINUM TREAT PER 517 REMAINING AREA.
C	PRIME ONE COAT UNTHREADED CADMIUM PLATED AREA PER 202.
D	TOUCH UP AS REQUIRED PER 307.
D461	**ALLOY STEEL-(CAD PLATE OR IVD ALUM) WHITE URETHANE HT TR RNG: 180-200 KSI RANGE (FOR APPLICATIONS W/ OUT SIGNIFICANT SUSTAINED TENSILE OR DYNAMIC LOA**
A	CHROMIUM PLATE SPECIFIED AREA PER 129.
B	CADMIUM PLATE PER 153 OR IVD ALUMINUM TREAT PER 517 REMAINING AREA.
C	PRIME ONE COAT UNTHREADED CADMIUM PLATED AREA PER 202.
D	PAINT PRIMED AREA WITH WHITE URETHANE COATING PER 222 (OR 274).
E	TOUCH UP AS REQUIRED PER 312.
D462	**ALLOY STEEL - SOLID FILM LUBRICANT (USE ONLY FOR CRITICAL WEAR APPLICATION)**
A	CLEAN AND PREPARE SURFACES PER 118.
B	APPLY SOLID FILM LUBRICANT TO ALL SURFACES PER 305.
C	TOUCH UP AS REQUIRED PER 315.
D470	**ALLOY STEEL SPRINGS**
A	CLEAN PER FPS-3001, PARAGRAPH 3.1.4.2.
B	PRIME TWO COATS ALL SURFACES PER 204.
C	TOUCH UP AS REQUIRED PER 308.
D471	**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) WHITE URETHANE AND CORROSION PREVENTATIVE COMPOUND HEAT TREAT RANGE: 220 – 240 KSI**
A	CADMIUM PLATE PER 154 OR IVD ALUMINUM TREAT PER 517 SPECIFIED SURFACES.
B	PRIME ONE COAT ON SPECIFIED AREAS PER 202. SPECIFIED SURFACES.
C	PAINT PRIMED AREAS WITH WHITE URETHANE COATING PER 222 (OR 274).
D	APPLY CORROSION PROTECTIVE COMPOUND TO BARE SURFACES PER 250
E	TOUCH UP AS REQUIRED PER 312.
D472	**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) PRIMER AND 16NXXXX FINISH HEAT TREAT RANGE: 180 – 220 KSI**
A	CADMIUM PLATE PER 121 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
B	PRIME ONE COAT ALL SURFACES PER 201.
C	FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
D	TOUCH UP AS REQUIRED PER 307 AND 345.

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CODE	APPLICABLE FINISH
D473	**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) PRIMER AND 16NXXXX FINISH HEAT TREAT RANGE: 220 – 240 KSI**
	A CADMIUM PLATE PER 122 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
	D TOUCH UP AS REQUIRED PER 307 AND 345.
D474	**ALLOY STEEL-(CAD PLATE OR IVD ALUM) AMS-C-27725 FUEL TANK COATING & WHT ACRYLIC LACQ/WHT URETHANE HEAT TREAT RANGE - 220 KSI OR GREATER**
	A CADMIUM PLATE PER 123 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
	B APPLY AMS-C-27725 COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME REMAINING SURFACES WITH ONE COAT OF PRIMER PER 202.
	D PAINT PRIMED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	E TOUCH UP AS REQUIRED PER 371 AND 372.
D475	**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) PRIMER HEAT TREAT RANGE - 180 KSI OR LESS**
	A CADMIUM PLATE PER 120 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
	B PRIME ALL SURFACES PER 201.
	C TOUCH UP AS REQUIRED PER 307.
D476	**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) AND WHITE URETHANE HEAT TREAT RANGE: 180 - 220 KSI**
	A CADMIUM PLATE PER 121 EXCEPT 10 NICKEL STEEL (HY 180), OR IVD ALUMINUM TREAT PER 516 - ALL SURFACES.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT PRIMED AREAS WITH WHITE URETHANE COATING PER 223 (OR 274).
	D TOUCH UP AS REQUIRED PER 312.
D701	**ALLOY STEEL TUBE - (CADMIUM PLATE OR IVD ALUM.) PRIMER AND BLACK EPOXY ENAMEL/BLACK URETHANE HEAT TREAT RANGE: 180 – 220 KSI**
	A CADMIUM PLATE PER 153 OR IVD ALUMINUM TREAT PER 517 TUBE OUTSIDE AND THREADS.
	B PRIME ONE COAT ON EXTERIOR SURFACES SPECIFIED FOR BLACK COLOR PER 202.
	C PAINT SPECIFIED AREAS WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	D TEMPORARY CORROSION PROTECTION FOR INTERIOR OF THE TUBE REQUIRED FOR LONG DELAYS BETWEEN CADMIUM PLATING TUBE EXTERIOR AND PAINTING TUBE INSIDE, PER 250.
	E CLEAN TUBE INSIDE, EXCEPT THREADS, PER 156.
	F PRIME TWO COATS ON INTERIOR OF TUBE EXCEPT THREADS PER 205.
	G TOUCH UP AS REQUIRED PER 346.

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SECTION D. NON-CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
D702	**ALLOY STEEL TUBE - (CADMIUM PLATE OR IVD ALUM.)** **PRIMER AND LUSTERLESS BLACK URETHANE** **HEAT TREAT RANGE: 180 – 220 KSI** A CADMIUM PLATE PER 153 OR IVD ALUMINUM TREAT PER 517 TUBE OUTSIDE AND THREADS. B PRIME ONE COAT ON EXTERIOR SURFACES SPECIFIED FOR BLACK COLOR PER 202. C PAINT SPECIFIED AREAS WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281). D TEMPORARY CORROSION PROTECTION FOR INTERIOR OF TUBE REQUIRED FOR LONG DELAYS BETWEEN CADMIUM PLATING TUBE EXTERIOR AND PAINTING TUBE INSIDE, PER 250. E CLEAN TUBE INSIDE, EXCEPT THREADS, PER 156. F PRIME TWO COATS ON INTERIOR OF TUBE EXCEPT THREADS PER 205. G TOUCH UP AS REQUIRED PER 347.
D703	**ALLOY STEEL - CHROMIUM PLATE AND SOLID FILM LUBRICANT.** **HEAT TREAT RANGE: GREATER THAN 240 KSI.** A CHROMIUM PLATE ALL SURFACES PER 369. B APPLY SOLID FILM LUBRICANT TO ALL SURFACES PER 207. C TOUCH-UP AS REQUIRED PER 315.
D704	**ALLOY STEEL - SOLID FILM LUBRICANT, PRIMER, AND WHITE URETHANE.** **HEAT TREAT TO 180 KSI OR LESS** A PREPARE SURFACE AND TREAT PER 116. B APPLY SOLID FILM LUBRICANT TO SURFACES NOTED ON DRAWING PER 207. C PRIME TWO COATS TO AREAS NOTED ON DRAWING PER 205. D PRIME ONE COAT TO AREAS NOTED ON DRAWING PER 202. E PAINT ONE COAT-PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274). F TOUCH UP AS REQUIRED PER 315, 308, AND 312.
D705	**ALLOY STEEL - SOLID FILM LUBRICANT & WHT URETHANE.** **HEAT TREAT TO 180 KSI OR LESS.** A PREPARE SURFACE AND TREAT PER 116. B APPLY SOLID FILM LUBRICANT TO SURFACES NOTED ON DRAWING PER 207. C PRIME ONE COAT TO AREAS NOTED ON DRAWING PER 202. D PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274). E TOUCH UP AS REQUIRED PER 315 AND 312.
D706	**ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM)** **AMS-C-27725 FUEL TANK COATING** **HEAT TREAT RANGE: 180 KSI OR LESS** A CADMIUM PLATE PER 120 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES. B APPLY AMS-C-27725 COATING ON ALL SURFACES PER 220. C TOUCH UP AS REQUIRED PER 371.

APPENDIX A. Finish Codes

SECTION D. NON-CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH

D707 **ALLOY STEEL-SOLID FILM LUBRICANT AND WHITE URETHANE HEAT TREAT TO 180 KSI OR LESS.**

A CLEAN ALL SURFACES PER 156.
B TREAT SPECIFIED SURFACES PER 522.
C APPLY SOLID FILM LUBRICANT TO SURFACES NOTED ON DRAWING PER 207.
D PRIME ONE COAT TO AREAS NOTED ON DRAWING PER 202.
E PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
F TOUCH UP AS REQUIRED PER 312 AND 315.

D708 **ALLOY STEEL - (CADMIUM PLATE OR IVD ALUMINUM) WHITE URETHANE HEAT TREAT RANGE - 180 KSI OR LESS**

A CADMIUM PLATE PER 120 OR IVD ALUMINUM TREAT PER 516 ALL SURFACES.
B PRIME ONE COAT ALL SURFACES PER 202.
C PAINT ALL SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D TOUCH UP AS REQUIRED PER 312.

APPENDIX A. Finish Codes

SECTION E. PLASTIC, GLASS REINFORCED PLASTIC, AND GRAPHITE

CODE		APPLICABLE FINISH
E100		**INTERIOR NONSPECIAL COLOR AND NONFUEL AREA PLASTIC AND GRP**
	A	NO FINISH REQUIRED.
E103		**NO FINISH REQUIRED. DETAIL OF GRAPHITE REINFORCED PLASTIC, FIBERGLASS, OR BONDED PART.**
	A	NO FINISH REQUIRED
E405		**16NXXXX FINISH PLASTIC AND GRP**
	A	NO FINISH ON INTERIOR SURFACE.
	B	FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
E406		**WHITE URETHANE AND 16NXXXX FINISH PLASTIC AND GRP**
	A	CLEAN THE EXPOSED INTERIOR PER 119.
	B	PRIME ALL SURFACES ONE COAT PER 201.
	C	PAINT EXPOSED INTERIOR SURFACE WITH WHITE URETHANE COATING PER 222 (OR 274).
	D	FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
E411		**GRAY EPOXY/URETHANE. INSTRUMENT PANELS, FLOOR, WALLS, NONUPHOLSTERED SEAL, CONSOLES, PEDESTALS, KNOBS, HANDLES AND LEVERS (PLASTIC AND GRP)**
	A	CLEAN THE COCKPIT EXPOSED SURFACE PER 119.
	B	PRIME EXPOSED SURFACE ONE COAT PER 202.
	C	PAINT EXPOSED SURFACE WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	D	ON NONEXPOSED SURFACE, NO FINISH REQUIRED.
E412		**BLACK EPOXY ENAMEL/BLACK URETHANE CONTROL STICK AND GRIP, INSTRUMENT CASES AND SURFACES UNDER FIXED TRANSPARENCIES**
	A	CLEAN THE COCKPIT EXPOSED SURFACE PER 119.
	B	PRIME EXPOSED SURFACE ONE COAT PER 202.
	C	PAINT EXPOSED SURFACE WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	D	ON NONEXPOSED SURFACES, NO FINISH REQUIRED.
E413		**P6096-2 FLAT BLACK URETHANE GLARESHIELD, AND PILOT'S DISPLAY UNIT. PLASTIC AND GRP**
	A	CLEAN COCKPIT EXPOSED SURFACE PER 119.
	B	PRIME EXPOSED SURFACE ONE COAT PER 202.
	C	PAINT EXPOSED SURFACE WITH P6096-2 FLAT BLACK URETHANE COLOR 37038, PER 217 (OR 286).
	D	ON NONEXPOSED SURFACE, NO FINISH REQUIRED.

APPENDIX A. Finish Codes

SECTION E. PLASTIC, GLASS REINFORCED PLASTIC, AND GRAPHITE

CODE	APPLICABLE FINISH
E414	**WHITE URETHANE** **PLASTICS** A CLEAN EXTERNAL SURFACE PER 119. B PRIME EXTERNAL SURFACE ONE COAT PER 202. C PAINT EXTERNAL SURFACES, WITH WHITE URETHANE COATING PER 222 (OR 274).
E415	**16NXXXX FINISH** **PLASTIC AND GRP** A CLEAN ALL SURFACES PER 119. B PRIME ALL SURFACES PER 201. C PAINT ALL SURFACES DARK GRAY URETHANE PER 263 FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
E416	**WHITE URETHANE AND 16NXXXX FINISH** **FOR SOLVENT SENSITIVE INJECTION MOLDED THERMOPLASTICS** A CLEAN INTERIOR SURFACES PER 169. B CLEAN EXTERIOR SURFACES PER 170. C PRIME TWO COATS ALL SURFACES PER 204. D PAINT INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222. E FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
E417	**PRIMER AND 16NXXXX FINISH** **GRAPHITE COMPOSITE** A REMOVE PEEL PLY ON EXTERIOR SURFACE PER 189. B APPLY ONE COAT OF PRIMER TO EXTERIOR SURFACE PER 202. C FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
E420	**PRIMER, WHITE URETHANE, AND 16NXXXX FINISH** **GRAPHITE COMPOSITE** A CLEAN ALL SURFACES PER 119. B PRIME ALL SURFACES ONE COAT PER 201. C PAINT EXPOSED INTERIOR SURFACE WITH WHITE URETHANE COATING PER 222 (OR 274). D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
E421	**PRIMER AND 16NXXXX FINISH** **GRAPHITE COMPOSITE** A REMOVE PEEL PLY ON EXTERIOR SURFACE PER 189. B CLEAN INTERIOR SURFACES PER 119. C PRIME ALL SURFACES ONE COAT PER 201. D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001.
E422	**PRIMER** **GRAPHITE OR FIBERGLASS COMPOSITE** A CLEAN ALL SURFACES PER 119. B PRIME ALL SURFACES ONE COAT PER 201.

APPENDIX A. Finish Codes

SECTION E. PLASTIC, GLASS REINFORCED PLASTIC, AND GRAPHITE

CODE	APPLICABLE FINISH

E423 **LUSTERLESS BLACK URETHANE AND 16NXXXX FINISH**
GLASS REINFORCED PLASTIC

A CLEAN ALL SURFACES PER 119.
B PRIME ALL SURFACES ONE COAT PER 201.
C PAINT INTERIOR SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.

E424 **PRIMER**
PLASTIC AND GRP

A CLEAN SPECIFIED SURFACES PER 119.
B PRIME SPECIFIED SURFACES PER 202.

E426 **PRIMER - LAMINATED FIBERGLASS**

A CLEAN ALL SURFACES PER 119.
B PRIME ALL SURFACES ONE COAT PER 201.
C E426 IS DUPLICATE CODE OF E422. DO NOT USE E426 FOR NEW DESIGN.

E427 **PRIMER AND WHITE URETHANE. GRP.**

A CLEAN SPECIFIED SURFACES PER 119.
B PRIME SPECIFIED SURFACES ONE COAT PER 366.
C PAINT SPECIFIED SURFACES WITH WHITE URETHANE PER 222.
D TOUCH UP PER 370.

E428 **PRIMER AND WHITE URETHANE – PLASTIC AND GRP**

A CLEAN ALL SURFACES PER 119.
B PRIME SPECIFIED SURFACES ONE COAT PER 202.
C PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D TOUCH UP AS REQUIRED PER 540.

E429 **PRIMER, WHITE URETHANE, AND P6255 COATING – PLASTIC AND GRP**

A CLEAN ALL SURFACES PER 119.
B PRIME SPECIFIED SURFACES ONE COAT PER 535.
C APPLY FMS-3049 COATING TO SPECIFIED SURFACES PER 532.
D PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222.
E APPLY P6255-1 COATING, COLOR NUMBER 36173, TO SPECIFIED SURFACES PER ENGINEERING REPORT 16ER2032.
F TOUCH UP AS REQUIRED PER ENGINEERING REPORT 16ER2032.

E430 **PRIMER AND WHITE URETHANE – PLASTIC AND GRP**

A CLEAN ALL SURFACES PER 119.
B PRIME ALL SURFACES ONE COAT PER 201.
C PAINT ALL SURFACES WITH WHITE URETHANE COATING PER 223 (OR 274).
D TOUCH UP AS REQUIRED PER 540.

APPENDIX A. Finish Codes

SECTION E. PLASTIC, GLASS REINFORCED PLASTIC, AND GRAPHITE

CODE	APPLICABLE FINISH
E501	**PRIMER AND 16NXXXX FINISH** **FOR SOLVENT SENSITIVE INJECTION MOLDED THERMOPLASTIC** A CLEAN SPECIFIED INTERIOR SURFACES PER 169. B CLEAN SPECIFIED EXTERIOR SURFACES PER 170. C PRIME TWO COATS ALL SURFACES PER 205 EXCEPT HINGE PIN HOLES. FACES OF HINGE TANGS OPTIONAL. D FINISH EXTERIOR EXPOSED PRIMED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
E502	**PRIMER AND 16NXXXX FINISH** **FOR INJECTION MOLDED P6149-1 THERMOPLASTIC** A CLEAN EXTERIOR EXPOSED SURFACE PER 119. CLEAN INTERIOR SURFACE PER 144. B PRIME TWO COATS ALL SURFACES PER 205 EXCEPT HINGE PIN HOLES HINGE SLOTS. C FINISH EXTERIOR EXPOSED PRIMED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
E503	**16NXXXX FINISH** **FOR SOLVENT SENSITIVE INJECTION MOLDED THERMOPLASTIC** A CLEAN SPECIFIED INTERIOR SURFACES PER 169. B CLEAN SPECIFIED EXTERIOR SURFACES PER 170. C PRIME ONE COAT SPECIFIED SURFACES PER 202. D FINISH EXTERIOR EXPOSED SURFACES ATER ASSEMBLY PER DRAWING 16N0001.
E504	**16NXXXX FINISH** **PLASTIC AND GRP** A CLEAN SPECIFIED SURFACES PER 170. B PRIME SPECIFIED SURFACES PER 202. C PAINT PRIMED SURFACES PER APPLICABLE 16N0001 AIRCRAFT PAINTING DRAWING.
E505	**PRIMER AND 16NXXXX FINISH** **FOR SOLVENT-SENSITIVE INJECTION MOLDED THERMOPLASTIC** A CLEAN SPECIFIED INTERIOR SURFACES PER 169. B CLEAN SPECIFIED EXTERIOR SURFACES PER 170. C PRIME ALL SURFACES WITH PRIMER PER 201. D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER 16NXXXX.
E506	**16NXXXX FINISH** **GRP SURFACE** A CLEAN ALL SURFACES PER 358 (WIPE CLEAN WITH SOLVENT SUCH AS TT-M-261 MEK, MIL-C-38736, OR FMS-2004). B PRIME ALL SURFACES WITH ONE COAT OF PRIMER PER 201. C FINISH PRIMED SURFACE AFTER ASSEMBLY PER DRAWING 16NXXXX.

APPENDIX A. Finish Codes

SECTION E. PLASTIC, GLASS REINFORCED PLASTIC, AND GRAPHITE

CODE	APPLICABLE FINISH

E507 **DARK GRAY URETHANE PLASTIC AND GRP**

- A CLEAN SPECIFIED SURFACES PER 119.
- B PRIME SPECIFIED SURFACES PER 202.
- C PAINT SPECIFIED SURFACES WITH TWO COATS OF DARK GRAY URETHANE COATING PER 257.

E508 **P6096-2 FLAT BLACK URETHANE/THERMOPLASTIC FOR SOLVENT-SENSITIVE INJECTION MOLDED**

- A CLEAN SPECIFIED SURFACES PER 169.
- B PRIME SPECIFIED SURFACES PER 202.
- C PAINT PRIMED SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).

E509 **GRAY URETHANE PLASTIC AND GRP**

- A CLEAN SPECIFIED SURFACES PER 119.
- B PRIME SPECIFIED SURFACES WITH ONE COAT OF PRIMER PER 202.
- C PAINT SPECIFIED SURFACES WITH TWO COATS OF GRAY URETHANE COATING PER 290.

E510 **P6096-2 FLAT BLACK URETHANE FOR SOLVENT SENSITIVE INJECTION MOLDED THERMOPLASTIC**

- A CLEAN ALL SURFACES PER 170.
- B PRIME ONE COAT ALL SURFACES PER 201.
- C PAINT ALL SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 266.

APPENDIX A. Finish Codes

SECTION F. FSX/F-2 FINISH CODES

CODE	APPLICABLE FINISH
F900	**FOR FS-X/F-2 USE ONLY**
	A SELECT FINISH CODE FROM MITSUBISHI HEAVY INDUSTRIES (MHI) OR FUJI HEAVY INDUSTRIES (FHI) DRAWING(S), LM(S), OR ENGINEERING ORDER(S). SEE MHI SPECIFICATION PFM 2701 FOR MHI FINISH CODE STEPS. SEE FHI SPECIFICATION PFF 0021 FOR FHI FINISH CODE STEPS.
F901	**FOR FS-X SSTA USE ONLY;**
	A OR ENGINEERING ORDER(S) (EO) FOR THE DRAWING PROVIDED BY MITSUBISHI HEAVY INDUSTRIES (MHI) OR FUJI HEAVY INDUSTRIES (FHI), AND SHALL BE PER PFM2791.

APPENDIX A. Finish Codes

SECTION N. COPPER AND NICKEL ALLOYS

CODE		APPLICABLE FINISH
N100		**NO FINISH REQUIRED. (FOR NICKEL ALLOY CASTINGS AND TUBING ASSEMBLIES & COPPER ALLOY SHIM STOCK)**
	A	NO FINSH REQUIRED FOR CASTINGS AND TUBING ASSEMBLIES CONTAINING LAP WELDS AND COMPONENTS THAT WOULD TRAP PASSIVATION SOLUTIONS.
N104		**DO NOT FINISH. DETAIL OF WELDED ASSEMBLY. COPPER AND NICKEL ALLOYS**
	A	NO FINISH REQUIRED
N401		**COPPER ALLOY (CADMIUM PLATE OR IVD ALUMINUM) SEE FPS-3001 FOR ELECTRICAL BONDING AND OTHER EXCEPTIONS TO CADMIUM PLATE**
	A	CADMIUM PLATE PER 158 OR IVD ALUMINUM TREAT PER 518 ALL SURFACES.
N402		**COPPER ALLOY (CADMIUM PLATE OR IVD ALUMINUM) SEE FPS-3001 FOR ELECTRICAL BONDING AND OTHER EXCEPTIONS TO CADMIUM PLATE**
	A	CADMIUM PLATE PER 159 OR 136, OR IVD ALUMINUM TREAT PER 519 SPECIFIED SURFACES.
	B	FOR REWORK, CADMIUM PLATE PER 136 OR 511.
N403		**NICKEL ALLOY - GRAY EPOXY ENAMEL/GRAY URETHANE**
	A	CLEAN PER 167.
	B	PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
	C	PAINT PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	D	TOUCH UP AS REQUIRED PER 318.
N404		**NICKEL ALLOY - RED EPOXY ENAMEL/RED URETHANE**
	A	CLEAN PER 167.
	B	PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
	C	PAINT PRIMED SURFACES WITH RED EPOXY ENAMEL OR RED URETHANE PER 215.
	D	TOUCH UP AS REQUIRED PER 319.
N405		**COPPER ALLOY (NICKEL PLATE) (HEAT SINKS FOR PRINTED CIRCUIT BOARDS ONLY)**
	A	CLEAN AND PREPARE SURFACE OF COPPER ALLOY PER 180.
	B	EITHER ELECTROLESS NICKEL PLATE OR ELECTROLYTIC NICKEL PLATE EXPOSED COPPER SURFACES PER 181.
	C	RESTORE NICKEL PLATE TO SURFACES OF DETAIL PARTS, EXCEPT EDGES, TRIMMED ON ASSY PER 137.

APPENDIX A. Finish Codes

SECTION N. COPPER AND NICKEL ALLOYS

CODE	APPLICABLE FINISH
N406	**COPPER ALLOY (CADMIUM PLATE OR IVD ALUMINUM) BLACK EPOXY ENAMEL/BLACK URETHANE**
	A CADMIUM PLATE PER 159 OR IVD ALUMINUM TREAT PER 519 SPECIFIED SURFACES.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT SPECIFIED SURFACES ONE COAT WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	D TOUCH UP AS REQUIRED PER 317.
N407	**COPPER ALLOY (CADMIUM PLATE OR IVD ALUMINUM) WHITE URETHANE**
	A CADMIUM PLATE PER 158 OR IVD ALUMINUM TREAT PER 518 ALL SURFACES.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT SPECIFIED SURFACES WITH WHITE URETHANE PER 222.
	D TOUCH UP AS REQUIRED PER 361.
N409	**COPPER ALLOY (NICKEL PLATE) (HEAT SINKS FOR PRINTED CIRCUIT BOARDS ONLY)**
	A CLEAN AND PREPARE SURFACE OF COPPER ALLOY PER 180.
	B ELECTROLYTIC NICKEL PLATE EXPOSED COPPER SURFACES PER 368.
	C RESTORE NICKEL PLATE TO SURFACES OF DETAIL PARTS, EXCEPT EDGES, TRIMMED ON ASSEMBLY PER 137.
N410	**REWORK OF CADMIUM PLATED STANDARD PART NICKEL AND COPPER ALLOYS**
	A BRUSH CADMIUM PLATE SPECIFIED AREAS PER 136 OR REPLATE PER 511.
N601	**NICKEL ALLOY - SOLID FILM LUBRICANT ELGILOY SPRINGS AND SIMILAR PARTS**
	A CLEAN PER 167.
	B APPLY SOLID FILM LUBRICANT PER 228 TO ALL SURFACES BY DIPPING PER FPS-3006 TO THICKNESSES SPECIFIED ON THE DRAWING
	C VERIFY SPECIFIED THICKNESS ON SAMPLES OF THE SAME MATERIAL PROCESSED THROUGH THERMAL PROCESSING AND SOLID FILM COATING WITH PARTS.
	D TOUCH UP AS REQUIRED PER 320.
	E NOTE: FOR TIGHTLY COILED SPRINGS, INCOMPLETE COVERAGE BETWEEN THE COILS SHALL NOT BE CAUSE FOR REJECTION.
N602	**NICKEL ALLOY - SOLID FILM LUBRICANT**
	A CLEAN PER 167.
	B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 207 TO THICKNESSES SPECIFIED ON THE DRAWING.
	C TOUCH UP AS REQUIRED PER 320.

APPENDIX A. Finish Codes

SECTION R. SPECIAL FINISHES

CODE	APPLICABLE FINISH
R401	**BONDED ASSY, MIXED MATERIALS - LEADING EDGE VERT. STAB., ASSY OF**
A	REMOVE PEEL PLY FROM EXTERIOR SURFACES OF COMPOSITE SKINS PER 189.
B	CLEAN (1) THE EDGES OF THE COMPOSITE SKIN ADJACENT TO THE LOWER CHANNEL, THE REAR SPAR AND THE UNDER TIP RIB, (2) THE SURFACES OF THE GRAPHITE CHANNELS FORMING THE REAR SPAR AND LOWER CHANNEL PER 119.
C	BRUSH CHEMICAL FILM TREAT THE EXPOSED SURFACES OF THE ALUMINUM CASTINGS IN THE UPPER TIP RIB AND IN THE FORWARD END OF THE LOWER CHANNEL PER 106 (OR 300).
D	PRIME ONE COAT AREAS OF PARTS CLEANED PER(A).
E	PRIME TWO COATS AREAS OF PARTS CLEANED PER (B) AND (C).
F	FINISH EXTERIOR EXPOSED SURFACES AND LEADING EDGE CRES CAP AFTER ASSEMBLY PER DRAWING 16N0001.
G	TOUCHUP AS REQUIRED ALUMINUM AREAS PER 235, 236, AND 242.
R402	**BONDED ASSY, MIXED MATERIALS - RUDDER ASSY**
A	REMOVE PEEL PLY FROM EXTERIOR SURFACES OF COMPOSITE SKINS PER 189.
B	CLEAN THE EDGES OF COMPOSITE SKINS ADJACENT TO FRONT SPAR, THE LOWER RIB AND UPPER RIB PER 119.
C	BRUSH CHEMICAL FILM TREAT EXPOSED SURFACES OF ALUMINUM FRONT SPAR, UPPER AND LOWER RIBS AND ROOT HUB PER 106 (OR 300).
D	PRIME ONE COAT ALL EXPOSED SURFACES PER 202.
E	PAINT THE COVE AREA INCLUDING EDGES OF COMPOSITE SKIN WITH WHITE URETHANE COATING PER 222 (OR 274).
F	PAINT THE SPECIFIED EXPOSED UPPER AND LOWER RIB SURFACE INCLUDING EDGES OF GRAPHITE SKINS. CAP WITH DARK GRAY URETHANE PER 257 FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
G	PAINT THE SPECIFIED INTERIOR AND EXTERIOR ROOT HUB SURFACES WITH DARK GRAY TEFLON-URETHANE PER 259 FOR FSD AIRCRAFT (61: NO.2 THRU NO.6, 62: NO.1 & NO.2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF TEFLON-URETHANE COATING SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
H	FINISH EXTERIOR EXPOSED CONTOURED GRAPHITE SKINS AND TRAILING EDGE CRES CAP AFTER ASSEMBLY PER DRAWING 16N0001.
I	TOUCH UP ALUMINUM AREAS PER 237 AND 242 AND FOR THE GRAY COLORS ON FSD AIRCRAFT PER 258 AND 260. TOUCH UP ON PRODUCTION AIRCRAFT PER 237, 242, AND 298.
R403	**BONDED ASSY, MIXED MATERIALS, GUN PORT SUPPORT**
A	CLEAN AND BRUSH CHEM FILM EXPOSED SURFACES OF ALUMINUM PER 106 (OR 300).
B	CLEAN EXPOSED SURFACES OF CRES PER 135.
C	PRIME ONE COAT AREAS TREATED IN (A) AND CLEANED IN (B) ABOVE PER 202.
D	PAINT PRIMED SURFACES WITH WHITE URETHANE PER 222 (OR 274).
E	TOUCH UP ALUMINUM AREAS PER 237 AS REQUIRED.

APPENDIX A. Finish Codes

SECTION R. SPECIAL FINISHES

CODE		APPLICABLE FINISH
R404		**BONDED ASSY, MIXED MATERIALS - HORIZONTAL TAIL**
	A	REMOVE PEEL PLY FROM EXTERIOR SURFACES OF COMPOSITE SKINS PER 189.
	B	CLEAN EDGES OF COMPOSITE SKINS PER 119.
	C	CLEAN AND BRUSH CHEM FILM TREAT EXPAND SURFACES OF ALUMINUM TIP RIB AND TITANIUM CLOSURE RIB AND PIVOT SHAFT OUTBOARD OF BEARING LAND PER 106 (OR 300).
	D	CLEAN INTERIOR OF TITANIUM PIVOT SHAFT PER 145.
	E	PRIME ONE COAT ON ALL SURFACES OUTBOARD OF BEARING LANDS, EXCEPT STATIC DISCHARGER, AND INTERIOR SURFACES OF PIVOT SHAFT EXCEPT SHEAR PIN HOLES PER 202.
	F	PAINT PRIMED TITANIUM CLOSURE RIB AND HUB OUTBOARD OF BEARING LAND WITH DARK GRAY URETHANE COATING PER 257 FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2). PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
	G	FINISH EXTERIOR EXPOSED SURFACES AND CRES LEADING AND TRAILING EDGE CAPS AFTER ASSEMBLY PER DRAWING 16N0001.
	H	TOUCH UP ALUMINUM AREAS PER 235 AND 242 AS REQUIRED.
R405		**BONDED ASSY, MIXED MATERIALS, VENTRAL FINS (COMPOSITE SKIN)**
	A	CLEAN THE EDGES AND EXPOSED SURFACES OF COMPOSITE SKIN PER 119.
	B	BRUSH CHEMICAL FILM THE EXPOSED ALUMINUM SURFACES EXCEPT IN THREADS OF FASTENER RECEPTACLES PER 106 (OR 300).
	C	PRIME TWO COATS AREAS CLEANED AND/OR CHEM FILMED IN (A) AND (B) ABOVE EXCEPT EXTERIOR EXPOSED SURFACES, PER 205 (OR 245)
	D	PRIME ONE COAT EXTERIOR EXPOSED SURFACES PER 202.
	E	FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	F	TOUCH UP ALUMINUM AREAS PER 235, 236, AND 242 AS REQUIRED.
R406		**MIXED METALS - CRES AND INCONEL WELDMENTS (NO LAP JOINTS OR BELLOWS TO TRAP ACID)**
	A	PASSIVATE WELD ASSEMBLY PER 147.
R407		**TUNGSTEN BALANCE WEIGHT - DISSIMILAR METAL PROTECTION**
	A	CLEAN PER 183.
	B	PRIME ONE COAT SPECIFIED SURFACES PER 202.
R408		**BONDED ASSY, MIXED MATERIALS, LEADING EDGE FLAP**
	A	CLEAN THE EXPOSED SURFACES OF GRP PER 119.
	B	BRUSH CHEMICAL FILM THE EXPOSED ALUMINUM SURFACES PER 106 (OR PRIME PER 300).
	C	PRIME ONE COAT ALL EXPOSED SURFACES OF BONDED ASSY PER 201.
	D	PAINT COVE AREA WITH WHITE URETHANE COATING PER 222 (OR 274)
	E	PRIME SPECIFIED SURFACES TWO COATS PER 205.
	F	PAINT INBOARD CLOSURE RIB WITH COLOR OF URETHANE COATING SPECIFIED ON APPLICABLE 16NXXXX AIRCRAFT.
	G	FINISH EXTERIOR EXPOSED SURFACE AFTER ASSY PER DRAWING 16N0001.
	H	TOUCH UP AS REQUIRED PER 235, 237, 242, AND 298.

APPENDIX A. Finish Codes

SECTION R. SPECIAL FINISHES

CODE	APPLICABLE FINISH
R409	**BONDED ASSEMBLY, MIXED MATERIALS, VHF ANTENNA**
	A CLEAN THE EDGES AND EXPOSED SURFACES OF FIBERGLASS SKINS AND CLOSURES PER 119.
	B CLEAN AND BRUSH CHEM FILM EXPOSED SURFACES OF LEADING EDGE AND CLOSURE RIB PER 106 (OR 300) EXCEPT THAT DIPPING IS NOT PERMITTED.
	C PRIME TWO COATS SPECIFIED SURFACES OF CASTING PER 205.
	D PRIME ONE COAT REMAINING SPECIFIED SURFACES PER 202.
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	F TOUCH UP ALUMINUM AREAS PER 235, 236 AND 242 AS REQUIRED.
R410	**GLASS, SIGHT - LUSTERLESS BLACK**
	A CLEAN SPECIFIED SURFACES REQUIRING PAINT PER 144.
	B PRIME ONE COAT SURFACE REQUIRING BLACK URETHANE COATING PER 202.
	C PAINT PRIMED SURFACE WITH LUSTERLESS BLACK URETHANE COATING, COLOR 37038, PER 283.
R411	**LEAD - INTERIOR COMPARTMENT - WHITE**
	A CLEAN ALL EXPOSED SURFACES PER 180.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ALL SURFACES WITH WHITE URETHANE COATING PER 223 (OR 274).
R412	**DEPLETED URANIUM - INTERIOR COMPARTMENT - WHITE**
	A CLEAN AND NICKEL SULFAMATE PLATE AND CADMIUM PLATE ALL SURFACES PER 188.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT ALL SURFACES WITH WHITE URETHANE COATING PER 223 (OR 274).
	NOTE: STEP A MUST BE PERFORMED AT A U.S. ATOMIC ENERGY COMMISSION LICENSED FACILITY.
R413	**HORIZONTAL TAIL - LEADING EDGE - BONDED ASSY - MIXED MATERIALS**
	A REMOVE PEEL PLY FROM EXTERIOR SURFACES OF COMPOSITE SKINS PER 189.
	B CLEAN (1) THE EDGES OF THE COMPOSITE SKIN ADJACENT TO THE LOWER CHANNEL, THE REAR SPAR AND THE UNDER TIP RIB, (2) THE SURFACES OF THE GRAPHITE CHANNELS FORMING THE REAR SPAR AND LOWER CHANNEL PER 119.
	C BRUSH CHEM FILM INBD AND OUTBD TIP CLOSURE RIBS PER 106 (OR PRIME PER 300).
	D PRIME ONE COAT PER 202 AREAS OF PARTS CLEANED PER (A), (B), AND (C).
	E FINISH EXTERIOR EXPOSED SURFACES AND LEADING EDGE CRES CAP AFTER ASSEMBLY PER DRAWING 16N0001.
	F TOUCHUP AS REQUIRED ALUMINUM AREAS PER 235 AND 242.
R414	**SPRAY-ON OR SHEET RUBBER PRODUCT - BONDED TO EXTERIOR SURFACE OF AIRCRAFT**
	A CLEAN EXTERIOR EXPOSED SURFACES PER 170.
	B PRIME ALL EXTERIOR EXPOSED SURFACES ONE COAT PER 366.
	C FINISH EXPOSED EXTERIOR SURFACES PER DRAWING 16N0001.

APPENDIX A. Finish Codes

SECTION R. SPECIAL FINISHES

CODE	APPLICABLE FINISH
R415	**SPRAY-ON OR SHEET RUBBER PRODUCT - BONDED TO STRUCTURAL SURFACE OF AIRCRAFT**
A	CLEAN EXTERIOR EXPOSED SURFACES PER 170.
B	PRIME ALL EXTERIOR EXPOSED SURFACES ONE COAT PER 366.
C	PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 223 (OR 274).
R416	**BONDED ASSEMBLY WITH EPOXY SURFACER**
A	PREPARE SURFACE DESIGNATED FOR EPOXY SURFACE MATERIAL PER 119.
B	APPLY FMS-0074 EPOXY SURFACER OR FMS-1104 EPOXY RESIN PER 364.
C	SAND TO OBTAIN A SMOOTH SURFACE USING 240 GRIT OR FINER SAND PAPER.
D	LEAK CHECK ASSEMBLY PER 365.
E	BRUSH CHEM FILM THE EXPOSED ALUMINUM SURFACES PER 106.
F	PRIME ONE COAT ALL EXPOSED SURFACES OF BONDED ASSEMBLY PER 201.
G	PAINT INTERIOR SURFACES WITH WHITE URETHANE PER 222 (OR 274)
H	FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER 16NXXXX.
I	TOUCH UP AS REQUIRED PER 235, 237, AND 298.
R417	**SPRAY-ON OR SHEET RUBBER PRODUCT**
A	CLEAN EXPOSED EXTERIOR SURFACES PER 170.
B	PRIME ALL EXPOSED EXTERIOR SURFACES ONE COAT PER 366.
C	PAINT PRIMED SURFACES WITH LIGHT GRAY URETHANE PER 253.
R418	**SPRAY-ON OR SHEET RUBBER PRODUCT**
A	CLEAN EXPOSED EXTERIOR SURFACES PER 170.
B	PRIME ALL EXPOSED EXTERIOR SURFACES ONE COAT PER 366.
C	PAINT PRIMED SURFACES WITH DARK GRAY URETHANE PER 263.
R419	**ALUMINUM AND GRP**
A	CLEAN EXTERIOR AND INTERIOR SURFACES OF GRP CONES PER 119.
B	PRIME ALL GRP SURFACES ONE COAT PER 201.
C	PAINT EXTERIOR GRP SURFACES WITH DARK GRAY URETHANE PER 257 (OR 277).
D	ANODIZE ALL SURFACES OF ALUMINUM PER 111.
E	PRIME ONE COAT ALL SURFACES OF ALUMINUM PER 201.
F	PAINT EXTERIOR ALUMINUM SURFACES WITH DARK GRAY URETHANE PER 257 (OR 277).
G	TOUCH UP ALUMINUM SURFACES AS REQUIRED PER 258.
H	(TO BE USED ONLY WITH GD/FW MATERIALS AND PROCESSES ENGINEERING APPROVAL).
R420	**SPRAY-ON OR SHEET RUBBER PRODUCT**
A	CLEAN SPECIFIED SURFACES PER 170.
B	PAINT SPECIFIED SURFACES WITH TWO COATS OF PRIMER PER 367.

APPENDIX A. Finish Codes

SECTION R. SPECIAL FINISHES

CODE	APPLICABLE FINISH
R422	**BONDED ASSY; MIXED MATERIALS - LEADING EDGE VERTICAL STABILIZER, ASSY. OF**
	A CLEAN THE EXPOSED SURFACES OF GRP PER 119.
	B BRUSH CHEMICAL FILM ONTO THE EXPOSED ALUMINUM SURFACES PER 106 (OR 300).
	C CLEAN THE EXPOSED SURFACES OF THE LEADING EDGE CRES CAP BY SANDING WITH 280 OR FINER GRIT WET-OR-DRY SAND PAPER FOLLOW BY SOLVENT CLEANING PER 135.
	D APPLY ONE COAT OF WASH PRIMER TO CLEANED SURFACES OF CRES CAPS PER 306.
	E PRIME ALL EXPOSED SURFACES WITH ONE COAT OF PRIMER PER 201.
	F FINISH PER 16NXXXX.
	G TOUCH UP PER 235, 236, AND 242.
R423	**TUNGSTEN BALANCE WEIGHT. WHITE URETHANE.**
	A CLEAN PER 183.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT ALL SURFACES WITH WHITE URETHANE COATING PER 223 (OR 274).
R424	**MIXED MATERIALS - AME LIGHT GRAY URETHANE AND LIGHT GRAY RAIN EROSION RESISTANT COATING OR FMS-0025 TAPE.**
	A CLEAN EXPOSED EXTERIOR SURFACES PER 170.
	B PRIME ALL EXPOSED EXTERIOR SURFACES ONE COAT PER 366.
	C PAINT ALL EXPOSED EXTERIOR SURFACES WITH LIGHT GRAY URETHANE PER 254.
	D APPLY P5438 LIGHT GRAY POLYURETHANE RAIN EROSION RESISTANT COATING PER 515 AS FOLLOWS: PAINT ALL LEADING EDGES TO 3 +/- 0.5 INCHES AFT OF EACH LEADING EDGE OR E).
	E APPLY FMS-0025 TAPE TO ALL LEADING EDGES PER FPS-0089.
R425	**BERYLLIUM/BERYLLIUM OXIDE COMPOSITE ELECTROLESS NICKEL UNDERPLATE, NICKEL PLATE AND COPPER STRIKE**
	A FINISH PER ENGINEERING DRAWING.
R426	**SPRAY-ON RUBBER AND 16NXXXX FINISH PYLONS AND ALTERNATE MISSION EQUIPMENT**
	A APPLY FMS-3049 COATING TO SPECIFIED SURFACES PER 532.
	B PRIME ONE COAT SURFACES SPECIFIED FOR FMS-2026 PAINT PER 366.
	C PAINT SPECIFIED SURFACES WITH FMS-2026 PAINT PER 533. COLOR TO BE AS SPECIFIED BY DRAWING 16N0005.
	E TOUCH UP AS REQUIRED PER FPS-3057 AND FPS-3076.

APPENDIX A. Finish Codes

SECTION R. SPECIAL FINISHES

CODE	APPLICABLE FINISH
R428	**SPRAY-ON RUBBER AND 16NXXXX FINISH - MIXED MATERIALS. FOR ALTERNATE MISSION EQUIPMENT.**

A PREPARE SURFACES TO BE FINISHED AS SPECIFIED IN ENGINEERING REPORT 16PR15601.

B PRIME ONE COAT ALL SURFACES TO BE FINISHED PER 535.

C APPLY FMS-3049 COATING TO SPECIFIED SURFACES PER 532.

D PRIME SURFACES SPECIFIED FOR PAINT ONE COAT PER 366.

E PAINT SPECIFIED SURFACES WITH FMS-2026 COATING PER 533. COLOR OF PAINT SHALL BE AS SPECIFIED ON THE APPLICABLE EQUIPMENT PAINTING DRAWING.

F TOUCH UP AS REQUIRED PER FPS-3057 AND FPS-3076.

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE		APPLICABLE FINISH
S100		NO FINISH REQUIRED. (FOR CRES PEEL SHIM, CASTINGS, AND TUBING ASSEMBLIES CONTAINING LAP WELDS & FOR COMPONENTS THAT WOULD TRAP PASSIVATION SOLUTION)
	A	NO FINISH REQUIRED.
S103		DO NOT FINISH. DETAIL OF BONDED ASSEMBLY.
	A	NO FINISH REQUIRED.
S104		DO NOT FINISH. DETAIL OF WELDED ASSEMBLY.
	A	NO FINISH REQUIRED.
S146		ALL CRES EXCEPT CASTINGS, CRES REQUIRING COLOR MATCH AND WELDED ASSEMBLIES WITH LAP JOINT
	A	CLEAN AND PASSIVATE PER 146.
		NOTES: THIS PROCESS MAY NOT REMOVE HEAT TINT OR DISCOLORATION RESULTING FROM THE AGING OPERATION.
S147		ALL CRES ROUGH FORGINGS AND HEAT TREATABLE CRES, EXCEPT CASTINGS - DESCALE AND PASSIVATION
	A	CLEAN, CHEMICAL DESCALE AND PASSIVATE PER 147. (0.00075 IN METAL REMOVAL PERMITTED).
S208		ALL AISI 410 OR 17-4PH ROUGH CASTINGS
	A	PROTECT ALL SURFACES PER 208.
S210		CASTINGS-TEMPORARY CORROSION PROTECTION ALL AISI 410 OR 17-4PH ROUGH CASTINGS
	A	PROTECT ALL SURFACES PER 210.
S211		CORROSION PREVENTIVE SHIPPING PAPER ALL CRES ALLOYS (FOR F2 ONLY)
	A	PREPARE ALL SURFACES PER 526.
S402		PRIMER - AISI 410 OR 17-4PH CASTING DETAILS
	A	CLEAN PER 135.
	B	PRIME ONE COAT ON SURFACES SPECIFIED ON DRAWING PER 202.
	C	TOUCH UP AS REQUIRED PER 321.
S403		GRAY EPOXY ENAMEL/GRAY URETHANE AISI 410 OR 17-4PH CASTING DETAILS
	A	CLEAN PER 135.
	B	PRIME ONE COAT ON SURFACES SPECIFIED ON DRAWING PER 202.
	C	PAINT PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	D	TOUCH UP AS REQUIRED PER 322.

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH

S404 **BLACK EPOXY ENAMEL/BLACK URETHANE**
AISI 410 OR 17-4PH CASTING DETAILS

A CLEAN PER 135.
B PRIME ONE COAT ON SURFACES SPECIFIED ON DRAWING PER 202.
C PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
D TOUCH UP AS REQUIRED PER 323.

S405 **WHITE URETHANE - AISI 410 OR 17-4PH CASTING DETAILS**

A CLEAN PER 135.
B PRIME ONE COAT ON SURFACES SPECIFIED ON DRAWING PER 202.
C PAINT PRIMED SURFACES WITH TWO COATS OF WHITE URETHANE COATING PER 222 (OR 274).
D TOUCH UP AS REQUIRED PER 324.

S406 **AMS-C-27725 FUEL TANK COATING**
AISI 410 OR 17-4PH CASTING DETAILS

A CLEAN PER 135.
B APPLY AMS-C-27725 FUEL TANK COATING TO SURFACES SPECIFIED ON THE DRAWING PER 221.
C TOUCH UP AS REQUIRED PER 325.

S407 **WHITE URETHANE AND 16NXXXX FINISH**
AISI 410 OR 17-4PH CASTING DETAILS OR PARTS PREVIOUSLY PASSIVATED

A CLEAN PER 135.
B PRIME ALL SURFACES ONE COAT PER 201.
C PAINT INTERIOR EXPOSED PRIMED SURFACES WITH TWO COATS OF WHITE URETHANE COATING PER 222 (OR 274).
D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
E TOUCH UP AS REQUIRED PER 326.

S408 **PRIMER AND WHITE URETHANE**
AISI 410 OR 17-4PH CASTING DETAILS

A CLEAN PER 135.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT SPECIFIED SURFACES WITH WHITE URETHANE PER 222 (OR 274).
D TOUCH UP AS REQUIRED PER 324.

S409 **WHITE URETHANE**
AISI 410 OR 17-4PH CASTING DETAILS

A CLEAN PER 135.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT ALL SURFACES WITH WHITE URETHANE PER 223 (OR 274).
D TOUCH UP AS REQUIRED PER 324.

S410 **CRES TUBING**
300 SERIES OR HEAT TREATABLE CRES

A PASSIVATE PER 146 (METAL REMOVAL IS NOT PERMITTED).
B (INACTIVE FOR NEW DESIGN; USE S146.)

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
S411	**NO FINISH** **HEAT TREATABLE CRES**
	A PASSIVATE PER 147 (METAL REMOVAL PERMITTED).
	B (INACTIVE FOR NEW DESIGN; USE S147.)
S412	**GRAY EPOXY ENAMEL/GRAY URETHANE** **300 SERIES OR HEAT TREATABLE CRES**
	A PASSIVATE PER 146.
	B PRIME ONE COAT EXPOSED SURFACE AS NOTED ON DRAWING PER 202.
	C PAINT PRIMED SURFACE WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	D TOUCH UP AS REQUIRED PER 322.
S413	**BLACK EPOXY ENAMEL/BLACK URETHANE** **300 SERIES OR HEAT TREATABLE CRES**
	A PASSIVATE PER 146.
	B PRIMED ONE COAT EXPOSED SURFACE AS NOTED ON DRAWING PER 202.
	C PAINT PRIMED SURFACE WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	D TOUCH AS REQUIRED PER 323.
S414	**GRAY EPOXY ENAMEL/GRAY URETHANE** **EXPOSED IN CREW COMPARTMENT**
	A PASSIVATE PER 147.
	B PRIME ONE COAT EXPOSED SURFACE AS NOTED ON DRAWING PER 202.
	C PAINT PRIMED SURFACE WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	D (INACTIVE FOR NEW DESIGN).
S415	**BLACK EPOXY ENAMEL/BLACK URETHANE** **EXPOSED IN CREW COMPARTMENT**
	A PASSIVATE PER 147.
	B PRIME ONE COAT EXPOSED SURFACE AS NOTED ON DRAWING PER 202.
	C PAINT PRIMED SURFACE WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	D (INACTIVE FOR NEW DESIGN).
S416	**CRES TUBING - GRAY EPOXY ENAMEL/GRAY URETHANE**
	A PASSIVATE PER 146.
	B PRIME ONE COAT ON EXTERIOR SURFACE PER 203.
	C PAINT PRIMED SURFACE WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 212.
	D TOUCH UP AS REQUIRED PER 322.
S417	**CRES TUBING- BLACK EPOXY ENAMEL/BLACK URETHANE**
	A PASSIVATE PER 146.
	B PRIME ONE COAT ON EXTERIOR SURFACES PER 203.
	C PAINT PRIMED SURFACE WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 214.
	D TOUCH UP AS REQUIRED PER 323.

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
S418	**FLAT WHITE EPOXY ENAMEL/FLAT WHITE URETHANE 300 SERIES OR HEAT TREATABLE CRES**
	A PASSIVATE PER 146.
	B PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH FLAT WHITE EPOXY ENAMEL OR FLAT WHITE URETHANE PER 233.
	D TOUCH UP AS REQUIRED PER 328.
S419	**WHITE URETHANE. 300 SERIES OR HEAT TREATABLE CRES, EXCEPT TUBING.**
	A PASSIVATE PER 146.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ALL SURFACES WITH WHITE URETHANE COATING PER 223 (OR 274).
	D TOUCH UP AS REQUIRED PER 324.
S420	**CADMIUM PLATE OR IVD ALUMINUM. ALL CRES EXCEPT CASTINGS.**
	A PASSIVATE ALL SURFACES PER 146.
	B IF CADMIUM PLATING, CLEAN AND APPLY WOOD'S NICKEL STRIKE TO NOTED AREA PER 138. (IF APPLYING IVD ALUMINUM, SKIP THIS STEP).
	C CADMIUM PLATE AREA WITH WOOD'S NICKEL STRIKE PER 175 OR IVD ALUMINUM TREAT NOTED AREA PER 521.
S421	**PRIMER AND CORROSION PREVENTIVE COMPOUND. AISI 410 OR 17-4PH CASTING DETAILS.**
	A CLEAN PER 135.
	B PRIME ONE COAT ON SURFACES SPECIFIED ON DRAWING PER 202.
	C APPLY CORROSION PREVENTIVE COMPOUND TO NOTED AREA PER 250.
	D TOUCH UP AS REQUIRED PER 321.
S422	**FLAT WHITE EPOXY ENAMEL/FLAT WHITE URETHANE. 300 SERIES OR HEAT TREATABLE CRES ALREADY PASSIVATED.**
	A CLEAN PER 135.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH WHITE FLAT EPOXY ENAMEL OR FLAT WHITE URETHANE PER 233.
	D TOUCH UP AS REQUIRED PER 328.
S423	**WHITE URETHANE. 300 SERIES OR HEAT TREATABLE CRES, EXCEPT TUBING.**
	A PASSIVATE PER 146.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	D TOUCH UP AS REQUIRED PER 324.
S424	**PRIMER. 300 SERIES OR HEAT TREATABLE CRES.**
	A PASSIVATE PER 146.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C TOUCH UP AS REQUIRED PER 321.

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
S425	**16NXXXX FINISH. AISI 410 OR 17-4PH CASTING DETAILS.**
	A CLEAN PER 135.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ALL SURFACES WITH LIGHT GRAY URETHANE COATING PER 253 FOR FSD AIRCRAFT (61: NO. 2 THRU NO. 6, 62: NO. 1 AND NO. 2) PRODUCTION AIRCRAFT SHALL USE THE COLOR OF URETHANE COATING AS SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
	D TOUCH UP AS REQUIRED PER 329.
S426	**GRAY EPOXY ENAMEL/GRAY URETHANE AND CORROSION PREVENTIVE COMPOUND. AISI 410 OR 17-4PH CASTING DETAILS.**
	A CLEAN PER 135.
	B PRIME ONE COAT ON SPECIFIED AREA PER 202.
	C PAINT SPECIFIED AREA WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	D APPLY ONE COAT OF MIL-C-16173 GRADE 4 CORROSION PREVENTIVE COMPOUND ON SPECIFIED SURFACES PER 250.
	E TOUCH UP AS REQUIRED PER 322.
S427	**P6096-2 FLAT BLACK URETHANE. AISI 410 OR 17-4PH CASTING DETAILS.**
	A CLEAN PER 135.
	B PRIME ONE COAT ON SURFACES SPECIFIED ON DRAWING PER 202.
	C PAINT PRIMED SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
	D TOUCH UP AS REQUIRED PER 330.
S428	**PRIMER. 300 SERIES AND HEAT TREATABLE CRES.**
	A PASSIVATE PER 146.
	B APPLY ONE COAT WASH PRIMER ALL SURFACES PER 306.(OPTIONAL)
	C PRIME ONE COAT ALL SURFACES PER 201.
	D TOUCH UP AS REQUIRED PER 321.
S429	**P6096-2 FLAT BLACK URETHANE. 300 SERIES OR HEAT TREATABLE CRES.**
	A PASSIVATE PER 146.
	B PRIME ONE COAT SPECIFIED SURFACE PER 202.
	C PAINT PRIMED SURFACE WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
	D TOUCH UP AS REQUIRED PER 330.
S430	**GRAY EPOXY ENAMEL/GRAY URETHANE. 300 SERIES OR HEAT TREATABLE CRES.**
	A PASSIVATE PER 146.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ALL SURFACES WITH GRAY EPOXY ENAMEL PER 227.
	D TOUCH UP AS REQUIRED PER 322.
S431	**BLACK AND ORANGE-YELLOW EPOXY ENAMEL OR URETHANE CRES CASTINGS OR SUBASSEMBLY OF 300 SERIES OR HEAT TREATABLE CRES.**
	A CLEAN PER 135.
	B PRIME SPECIFIED SURFACES ONE COAT PER 202.
	C PAINT PRIMED SURFACES WITH ONE COAT OF BLACK AND ORANGE-YELLOW EPOXY ENAMEL OR URETHANE PER 218.
	D TOUCH UP AS REQUIRED PER 331.

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
S432	**ORANGE-YELLOW EPOXY ENAMEL OR ORANGE-YELLOW URETHANE. 300 SERIES OR HEAT TREATABLE CRES.**
	A PASSIVATION ALL SURFACES PER 146.
	B PRIME SPECIFIED SURFACES ONE COAT PER 202.
	C PAINT PRIMED SURFACES ORANGE-YELLOW EPOXY ENAMEL OR ORANGE-YELLOW URETHANE PER 216.
	D TOUCH UP AS REQUIRED PER 332.
S433	**CADMIUM PLATE OR IVD ALUMINUM. ALL CRES EXCEPT CASTINGS.**
	A IF CADMIUM PLATING, CLEAN AND APPLY WOOD'S NICKEL STRIKE TO ALL SURFACES PER 166. (IF APPLYING IVD ALUMINUM, SKIP THIS STEP).
	B CADMIUM PLATE PER 160 OR IVD ALUMINUM TREAT PER 520 ALL SURFACES.
	C (INACTIVE FOR NEW DESIGN. SEE S643 FOR PREFERRED CODE.)
S434	**DARK GRAY URETHANE. CRES CASTINGS.**
	A CLEAN PER 135.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH DARK GRAY URETHANE COATING PER 257.
	D TOUCH UP AS REQUIRED PER 333.
S435	**PRIMER AND 16NXXXX FINISH. 300 SERIES OR HEAT TREATABLE CRES.**
	A PASSIVATE PER 146.
	B PRIME SPECIFIED INTERIOR SURFACES AND EXTERIOR SURFACES ONE COAT PER 202.
	C FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	D TOUCH UP AS REQUIRED PER 334.
S436	**PRIMER. 300 SERIES AND HEAT TREATABLE CRES.**
	A CLEAN, CHEMICAL DESCALE AND PASSIVATE PER 147. (0.00075 INCH METAL REMOVAL PERMITTED).
	B PRIME ONE COAT ALL SURFACES PER 201.
	C TOUCH UP AS REQUIRED PER 321.
S437	**WHITE URETHANE. 300 SERIES AND HEAT TREATABLE CRES.**
	A CLEAN, CHEMICAL DESCALE AND PASSIVATE PER 147. (0.00075 INCH METAL REMOVAL PERMITTED).
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT ALL SURFACES WITH WHITE URETHANE COATING PER 223 (OR 274).
	D TOUCH UP AS REQUIRED PER 324.
S438	**LIGHT GRAY URETHANE AND 16NXXXX FINISH. AISI 410 OR 17-4PH CASTING DETAILS OR PARTS PREVIOUSLY PASSIVATED.**
	A CLEAN PER 135.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT INTERIOR SPECIFIED SURFACES LIGHT GRAY URETHANE PER 254. (PAINT OVERSPRAY ONTO EXTERIOR SURFACE IS PERMISSIBLE).
	D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 348.

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE		APPLICABLE FINISH
S439		**BLACK EPOXY ENAMEL OR BLACK URETHANE. ALL CRES EXCEPT CASTINGS.**
	A	CLEAN, CHEMICAL DESCALE AND PASSIVATE PER 147. (0.00075 INCH METAL REMOVAL PERMITTED).
	B	PRIME ALL SURFACES ONE COAT PER 201.
	C	PAINT ALL SURFACES WITH ONE COAT WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 234.
	D	TOUCH UP AS REQUIRED PER 323.
S440		**BLACK EPOXY ENAMEL/BLACK URETHANE. AISI 410 OR 17-4PH CASTING DETAILS.**
	A	CLEAN PER 135.
	B	PRIME ONE COAT ALL SURFACES PER 201.
	C	PAINT ALL SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 234.
	D	TOUCH UP AS REQUIRED PER 323.
S441		**PRIMER AND DARK GRAY URETHANE. 300 SERIES AND HEAT TREATABLE CRES.**
	A	CLEAN, CHEMICAL DESCALE AND PASSIVATE PER 147. (0.00075 INCH METAL REMOVAL PERMITTED).
	B	PRIME ONE COAT ALL SURFACES PER 201.
	C	PAINT SPECIFIED EXTERIOR SURFACES WITH DARK GRAY URETHANE COATING PER 257.
	D	TOUCH UP AS REQUIRED PER 327.
S442		**LUSTERLESS BLACK URETHANE. AISI 410 OR 17-4PH CASTING DETAILS (CLOSE TOLERANCE FITS).**
	A	CLEAN PER 135.
	B	PRIME ONE COAT ON SURFACES SPECIFIED ON DRAWING PER 202.
	C	PAINT PRIMED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
	D	TOUCH UP AS REQUIRED PER 335.
S443		**LUSTERLESS BLACK URETHANE. 300 SERIES OR HEAT TREATABLE CRES.**
	A	CLEAN, CHEMICAL DESCALE AND PASSIVATE PER 147. (0.00075 INCH METAL REMOVAL PERMITTED).
	B	PRIME ALL SURFACES ONE COAT PER 201.
	C	PAINT ALL SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 279 (OR 281).
	D	TOUCH UP AS REQUIRED PER 335.
S444		**LUSTERLESS BLACK URETHANE. 300 SERIES OR HEAT TREATABLE CRES.**
	A	PASSIVATE PER 146.
	B	PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C	PAINT PRIMED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
	D	TOUCH UP AS REQUIRED PER 335.

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CODE	APPLICABLE FINISH
S445	**LUSTERLESS GRAY URETHANE. 300 SERIES OR HEAT TREATABLE CRES.**
	A PASSIVATE PER 146.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ALL SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 278 (OR 280).
	D TOUCH UP AS REQUIRED PER 336.
S446	**LUSTERLESS GRAY URETHANE. 300 SERIES OR HEAT TREATABLE CRES.**
	A PASSIVATE PER 146.
	B PRIME ONE COAT SPECIFIED SURFACE PER 202.
	C PAINT PRIMED SURFACE WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
	D TOUCH UP AS REQUIRED PER 336.
S447	**LUSTERLESS BLACK URETHANE. AISI 410 OR 17-4PH CASTING DETAILS.**
	A CLEAN PER 135.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ALL SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 279 (OR 281).
	D TOUCH UP AS REQUIRED PER 335.
S448	**PRIMER AND LUSTERLESS GRAY URETHANE. AISI 410 OR 17-4PH CASTING DETAILS.**
	A CLEAN PER 135.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ONE COAT SPECIFIED SURFACES WITH LUSTERLESS GRAY URETHANE COATING PER 282 (OR 280).
	D TOUCH UP AS REQUIRED PER 337.
S449	**DARK GRAY URETHANE. 300 SERIES AND HEAT TREATABLE CRES.**
	A PASSIVATE PER 146.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH DARK GRAY URETHANE COATING PER 257.
	D TOUCH UP AS REQUIRED PER 333.
S450	**WHITE ACRYLIC LACQUER/WHITE URETHANE. 300 SERIES OR HEAT TREATABLE CRES, EXCEPT TUBING.**
	A PASSIVATE PER 146.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT ALL SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 293 (OR 296).
	D TOUCH UP AS REQUIRED PER 338.
S451	**WHITE ACRYLIC LACQUER/WHITE URETHANE. HEAT TREATABLE CRES REQUIRING DESCALE.**
	A CLEAN, CHEMICAL DESCALE AND PASSIVATE PER 147. (0.00075 INCH METAL REMOVAL PERMITTED).
	B PRIME ALL SURFACES ONE PER 201.
	C PAINT ALL SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 293 (OR 296).
	D TOUCH UP AS REQUIRED PER 338.

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SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
S452	**DARK GRAY URETHANE AND 16NXXXX FINISH. 300 SERIES AND HEAT TREATABLE CRES.**
	A CLEAN, CHEMICAL DESCALE AND PASSIVATE PER 147.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED INTERIOR SURFACES WITH DARK GRAY URETHANE PER 257 (OR 277).
	D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
	E TOUCH UP AS REQUIRED PER 339.
S453	**DARK GRAY URETHANE AND 16NXXXX FINISH - PYLONS. CRES CASTINGS.**
	A CLEAN PER 135.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT SPECIFIED INTERIOR SURFACES WITH DARK GRAY URETHANE COATING PER 257.
	D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005
	E TOUCH UP AS REQUIRED PER 339.
S454	**ORANGE-YELLOW EPOXY ENAMEL/ORANGE-YELLOW URETHANE AISI 410 OR 17-4PH CASTINGS. (CLOSE TOLERANCE FITS).**
	A CLEAN PER 135.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH ORANGE-YELLOW EPOXY ENAMEL OR ORANGE-YELLOW URETHANE PER 216.
	D TOUCH UP AS REQUIRED PER 332.
S455	**LUSTERLESS BLACK URETHANE. 300 SERIES OR HEAT TREATABLE CRES.**
	A PASSIVATE PER 146.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ALL SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 279 (OR 281).
	D TOUCH UP AS REQUIRED PER 335.
S456	**PRIMER. AISI 410 OR 17-4PH CASTINGS.**
	A CLEAN PER 135.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C TOUCH UP AS REQUIRED PER 321.
S457	**PRIMER AND WHITE URETHANE. 300 SERIES OR HEAT TREATABLE CRES.**
	A PASSIVATE PER 146.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C PAINT SPECIFIED SURFACES WITH URETHANE COATING PER 222 (OR 274)
	D TOUCH UP AS REQUIRED PER 324.
S458	**PRIMER AND BLUE URETHANE. AISI 410 OR 17-4PH CASTING DETAILS**
	A CLEAN PER 135.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT SPECIFIED SURFACES WITH BLUE URETHANE PER 378 (OR 381).
	D TOUCH UP AS REQUIRED PER 382.

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SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
S459	**BLUE URETHANE. CRES, EXCEPT TUBING.**
A	PASSIVATE PER 146.
B	PRIME ONE COAT SPECIFIED SURFACES PER 202.
C	PAINT PRIMED SURFACES WITH BLUE URETHANE COATING PER 378 (OR 381).
D	TOUCH UP AS REQUIRED PER 382.
S460	**PRIMER AND BLUE URETHANE. 300 SERIES OR HEAT TREATABLE CRES.**
A	PASSIVATE PER 146.
B	PRIME ALL SURFACES ONE COAT PER 201.
C	PAINT SPECIFIED SURFACES WITH BLUE URETHANE COATING PER 378 (OR 381).
D	TOUCH UP AS REQUIRED PER 382.
S461	**AMS-C-27725 FUEL TANK COATING, WHITE URETHANE, AND 16NXXXX FINISH. AISI 410 OR 17-4PH CASTINGS AND PARTS PREVIOUSLY PASSIVATED.**
A	CLEAN PER 135.
B	APPLY AMS-C-27725 FUEL TANK COATING TO SPECIFIED SURFACES PER 221.
C	PRIME ONE COAT SURFACES REQUIRING PAINT PER 202.
D	PAINT SPECIFIED SURFACES WITH WHITE URETHANE PER 222 (OR 274).
E	PAINT EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER THE APPLICABLE 16NXXXX PAINTING DRAWING.
F	TOUCH UP AS REQUIRED PER 324, 325, OR 329.
S462	**WHITE URETHANE. 300 SERIES OR HEAT TREATABLE CRES, EXCEPT TUBING. FOR PARTS PREVIOUSLY PASSIVATED.**
A	CLEAN PER 135.
B	PRIME ONE COAT SPECIFIED SURFACES PER 202.
C	PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D	TOUCH UP AS REQUIRED PER 324.
S463	**AMS-C-27725 FUEL TANK COATING, WHITE URETHANE, AND 16NXXXX FINISH. AISI 410 OR 17-4PH CASTING DETAILS.**
A	CLEAN PER 135.
B	APPLY AMS-C-27725 FUEL TANK COATING TO SPECIFIED SURFACES PER 221.
C	PRIME REMAINING SURFACES ONE COAT PER 202.
D	PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
E	FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER THE APPLICABLE 16NXXXX PAINTING DRAWING.
F	TOUCH UP AS REQUIRED PER 325 AND 324.
S464	**LIGHT GRAY URETHANE AND 16NXXXX FINISH. 300 SERIES AND HEAT TREATABLE CRES.**
A	CLEAN, CHEMICAL DESCALE AND PASSIVATE PER 147.
B	PRIME ONE COAT ALL SURFACES PER 531.
C	PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE PER 544 (OR 547).
D	FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
E	TOUCH UP AS REQUIRED PER 548.
F	NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE		APPLICABLE FINISH
S601		**SOLID FILM LUBRICANT. ALL CRES EXCEPT CASTINGS.**
	A	PASSIVATE PART PER 146.
	B	CLEAN NOTED THREADS PER 144.
	C	ON NOTED THREADS APPLY SOLID FILM LUBRICANT PER 230.
S602		**SOLID FILM LUBRICANT. HEAT TREATED CRES, EXCEPT 440C AND CASTINGS.**
	A	PREPARE ALL SURFACES AND TREAT PER 148.
	B	TO SPECIFIED AREA APPLY SOLID FILM LUBRICANT PER 207.
	C	TOUCH UP AS REQUIRED PER 340.
S603		**SOLID FILM LUBRICANT. HEAT TREATED CRES, EXCEPT 440C AND CASTINGS.**
	A	PHOSPHATIZE ALL SURFACES PER 148.
	B	APPLY SOLID FILM LUBRICANT TO ALL SURFACES PER 228.
	C	TOUCH UP AS REQUIRED PER 340.
S604		**WHITE URETHANE AND SOLID FILM LUBRICANT. 300 SERIES CRES ONLY.**
	A	PASSIVATE ALL SURFACES PER 146.
	B	APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACE IN NOTED THICKNESSES OR DIMENSION PER 207.
	C	PRIME ONE COAT ON REMAINING SURFACES PER 202.
	D	PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	E	TOUCH UP AS REQUIRED PER 324 AND 340.
S605		**WHITE URETHANE AND SOLID FILM LUBRICANT. HEAT TREATABLE CRES, EXCEPT CASTINGS.**
	A	PHOSPHATIZE ALL SURFACES PER 148.
	B	APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES IN NOTED THICKNESSES OR DIMENSIONS PER 207.
	C	PRIME ONE COAT ON REMAINING SURFACES PER 202.
	D	PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	E	TOUCH UP AS REQUIRED PER 324 AND 340.
S606		**SOLID FILM LUBRICANT. WROUGHT CRES.**
	A	PASSIVATE EXCEPT FOR CADMIUM PLATE/IVD ALUM AREA PER 177.
	B	IF CADMIUM PLATING, APPLY WOOD'S NICKEL STRIKE WHERE SPECIFIED PER 138. (IF APPLYING IVD ALUMINUM, SKIP THIS STEP).
	C	CADMIUM PLATE SURFACES WHICH RECEIVED THE WOOD'S NICKEL STRIKE PER 161 OR IVD ALUMINUM TREAT SPECIFIED SURFACES PER 521.
	D	CLEAN NOTED THREADS PER 144.
	E	ON NOTED THREADS APPLY SOLID FILM LUBRICANT PER 230.

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SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
S607	**BLACK EPOXY ENAMEL/BLACK URETHANE AND SOLID FILM LUBRICANT. HEAT TREATABLE CRES, EXCEPT CASTINGS.**
	A PREPARE ALL SURFACES AND TREAT PER 148.
	B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES IN NOTED THICKNESSES OR DIMENSIONS PER 207.
	C PRIME ONE COAT ON REMAINING SURFACES, UNLESS OTHERWISE SPECIFIED PER 202.
	D PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	E TOUCH UP AS REQUIRED PER 323 AND 340.
S608	**SOLID FILM LUBRICANT. HEAT TREATABLE CRES.**
	A CLEAN NITRIDED SURFACES BY REMOVING WHITE LAYER BY LIGHT GRIT BLAST.
	B VAPOR DEGREASE.
	C APPLY SOLID FILM LUBE TO SPECIFIED SURFACES PER 207 (PER THE RINSE, DRY, AND LUBRICANT APPLICATION STEPS OF FPS-3006, CLASS VIII).
	D TOUCH UP AS REQUIRED PER 340.
S609	**GRAY EPOXY ENAMEL/GRAY URETHANE AND SOLID FILM LUBRICANT. HEAT TREATABLE CRES, EXCEPT CASTINGS.**
	A PREPARE ALL SURFACES AND TREAT PER 148.
	B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES IN NOTED THICKNESS OR DIMENSIONS PER 207.
	C PRIME ONE COAT THE REMAINING SURFACES, UNLESS OTHERWISE SPECIFIED, PER 202.
	D PAINT PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	E TOUCH UP AS REQUIRED PER 322 AND 340.
S610	**SOLID FILM LUBRICANT. CRES CASTINGS; USE FOR PARTS WITH PRESS FIT APPLICATIONS.**
	A PREPARE ALL SURFACES PER 149.
	B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 207.
	C TOUCH UP AS REQUIRED PER 340.
S611	**ORANGE-YELLOW EPOXY ENAMEL/ORANGE-YELLOW URETHANE AND SOLID FILM LUBRICANT. CRES CASTINGS.**
	A PREPARE ALL SURFACES PER 149.
	B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES IN NOTED THICKNESSES OR DIMENSIONS PER 207.
	C PRIME ONE COAT REMAINING SPECIFIED SURFACES IN PER 202.
	D PAINT PRIMED SURFACES ONE COAT OF ORANGE-YELLOW ENAMEL OR ORANGE-YELLOW URETHANE PER 216.
	E TOUCH UP AS REQUIRED PER 332 AND 340.
S612	**SOLID FILM LUBRICANT. 300 SERIES CRES ONLY.**
	A PASSIVATE ALL SURFACES PER 146.
	B APPLY SOLID FILM LUBRICANT TO ALL SURFACES PER 228.
	C TOUCH UP AS REQUIRED PER 340.

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SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
S613	**GRAY EPOXY ENAMEL/GRAY URETHANE AND SOLID FILM LUBRICANT. 300 SERIES CRES.**
	A PASSIVATE ALL SURFACES PER 146.
	B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES IN NOTED THICKNESS OR DIMENSION PER 207.
	C PRIME ONE COAT THE REMAINING SURFACES, UNLESS OTHERWISE SPECIFIED, PER 202.
	D PAINT PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	E TOUCH UP AS REQUIRED PER 322 AND 340.
S614	**GRAY EPOXY ENAMEL/GRAY URETHANE AND SOLID FILM LUBRICANT. 300 SERIES CRES AND PRECIPITATION HARDENABLE CRES.**
	A PASSIVATE ALL SURFACES PER 146.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
	D ON THREADS UNLESS OTHERWISE NOTED, APPLY SOLID FILM LUBRICANT PER 230.
	E TOUCH UP AS REQUIRED PER 322.
S615	**SOLID FILM LUBRICANT. 300 SERIES CRES ONLY.**
	A PASSIVATE ALL SURFACES PER 146.
	B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 207.
	C TOUCH UP AS REQUIRED PER 340.
S616	**PRIMER AND SOLID FILM LUBRICANT. CRES CASTINGS.**
	A PREPARE ALL SURFACES PER 149.
	B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES IN NOTED THICKNESSES OR DIMENSIONS PER 207.
	C PRIME ONE COAT REMAINING SPECIFIED AREAS PER 202.
	D TOUCH UP AS REQUIRED PER 321 AND 340.
S617	**SOLID FILM LUBRICANT. 300 SERIES ONLY.**
	A DESCALE AND PASSIVATE PER 147.
	B APPLY SOLID FILM LUBRICANT TO ALL SURFACES PER 228.
	C TOUCH UP AS REQUIRED PER 340.
S618	**SOLID FILM LUBRICANT. CRES CASTINGS.**
	A PREPARE ALL SURFACES PER 149.
	B APPLY SOLID FILM LUBRICANT TO ALL SURFACES PER 228.
	C TOUCH UP AS REQUIRED PER 340.
S619	**P6096-2 FLAT BLACK URETHANE AND SOLID FILM LUBRICANT. HEAT TREATABLE CRES, EXCEPT 440C.**
	A PHOSPHATIZE ALL SURFACES PER 148.
	B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES IN THICKNESSES OR DIMENSIONS AS NOTED PER 207.
	C PRIME SPECIFIED AREAS ONE COAT PER 202.
	D PAINT PRIMED SURFACES WITH P6096-2 FLAT BLACK URETHANE PER 217 (OR 286).
	E TOUCH UP AS REQUIRED PER 330 AND 340.

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SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH

S620 **LUSTERLESS BLACK URETHANE AND SOLID FILM LUBRICANT. HEAT TREATABLE CRES, EXCEPT CASTINGS.**

A PREPARE ALL SURFACES AND TREAT PER 148.
B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES IN NOTED THICKNESS OR DIMENSIONS PER 207.
C PRIME ONE COAT ON REMAINING SURFACES, UNLESS OTHERWISE SPECIFIED, PER 202.
D PAINT SPECIFIED PRIMED SURFACES WITH LUSTERLESS BLACK URETHANE COATING PER 283 (OR 281).
E TOUCH UP AS REQUIRED PER 335 AND 340.

S621 **16NXXXX FINISH SOLID FILM LUBRICANT, AND CORROSION PREVENTATIVE COMPOUND. AISI 410 OR 17-4PH CASTINGS OR WELDMENTS INCLUDING CASTINGS.**

A CLEAN PER 135
B PRIME ONE COAT SURFACES SPECIFIED ON DRAWING PER 202.
C ON NOTED THREADS APPLY SOLID FILM LUBRICANT PER 230.
D APPLY CORROSION PREVENTATIVE COMPOUND TO NOTED AREAS PER 250.
E FINISH EXTERIOR EXPOSED PRIMED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
F TOUCH UP AS REQUIRED PER 329.

S622 **GRAY EPOXY ENAMEL/GRAY URETHANE AND SOLID FILM LUBRICANT. CRES CASTINGS AND WELDED ASSEMBLIES.**

A PREPARE ALL SURFACES PER 135.
B PRIME SPECIFIED SURFACES ONE COAT PER 202.
C PAINT PRIMED SURFACES WITH GRAY EPOXY ENAMEL OR GRAY URETHANE PER 211.
D APPLY SOLID FILM LUBRICANT TO NOTED THREADS PER 230.
E TOUCH UP AS REQUIRED PER 322.

S623 **WHITE URETHANE AND 16NXXXX FINISH. 300 SERIES OR HEAT TREATABLE CRES, EXCEPT TUBING.**

A PASSIVATE PER 146.
B PRIME ONE COAT SPECIFIED SURFACES PER 202.
C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
E TOUCH UP AS REQUIRED PER 326.

S624 **ORANGE-YELLOW EPOXY ENAMEL/ORANGE-YELOW URETHANE AND SOLID FILM LUBRICANT. HEAT TREATABLE CRES, EXCEPT CASTINGS.**

A PHOSPHATIZE ALL SURFACES PER 148.
B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES IN THICKNESSES OR DIMENSIONS AS NOTED PER 207.
C PRIME SPECIFIED AREA ONE COAT PER 202.
D PAINT PRIMED SURFACES ONE COAT OF ORANGE-YELLOW EPOXY ENAMEL OR ORANGE-YELLOW URETHANE PER 216.
E TOUCH AS REQUIRED PER 332 AND 340.

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SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE		APPLICABLE FINISH
S625		**SOLID FILM LUBRICANT. CRES CASTINGS.**
	A	PREPARE ALL SURFACES PER 149.
	B	APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 230.
S626		**PRIMER AND SOLID FILM LUBRICANT. 300 SERIES OR HEAT TREATABLE CRES, EXCEPT CASTINGS**
	A	PASSIVATE PER 146.
	B	PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C	APPLY SOLID FILM LUBE ON NOTED THREADS PER 230.
S627		**SILVER PLATE. HEAT TREATABLE CRES, EXCEPT CASTINGS.**
	A	CLEAN AND PASSIVATE SPECIFIED SURFACES PER 177.
	B	CLEAN, NICKEL STRIKE, AND SILVER STRIKE SPECIFIED SURFACES PER 184.
	C	CLEAN, NICKEL STRIKE, SILVER STRIKE, AND SILVER PLATE SPECIFIED SURFACES PER 185.
S628		**GRAY URETHANE, 16NXXXX FINISH, AND SOLID FILM LUBRICANT. CRES CASTINGS.**
	A	CLEAN PER 135.
	B	APPLY SOLID FILM LUBE TO SPECIFIED SURFACES PER 207.
	C	PRIME SPECIFIED SURFACES ONE COAT PER 202.
	D	PAINT SPECIFIED INTERIOR SURFACES WITH GRAY URETHANE, COLOR 36270, PER 290 (OR 292).
	E	FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	F	TOUCH UP AS REQUIRED PER 353 OR 340.
S629		**MEDIUM GRAY TEFLON-URETHANE. 300 SERIES OR HEAT TREATABLE CRES, EXCEPT CASTINGS.**
	A	PASSIVATE PER 146.
	B	PRIME ONE COAT ALL SURFACES PER 201.
	C	PAINT ALL SURFACES WITH MEDIUM GRAY TEFLON-URETHANE, COLOR 36270, PER 301.
	D	TOUCH UP AS REQUIRED PER 349.
S631		**DARK GRAY URETHANE. CRES CASTINGS.**
	A	CLEAN PER 135.
	B	PRIME ONE COAT ALL SURFACES PER 201.
	C	PAINT ALL PRIMED SURFACES WITH DARK GRAY URETHANE COATING PER 263.
	D	TOUCH UP PER 333.
S632		**SOLID FILM LUBRICANT AND CHROMIUM PLATE. 300 SERIES OR HEAT TREATABLE CRES.**
	A	PASSIVATE PER 146.
	B	GRIT BLAST PER 183. MASK ANY THREADS ON PART.
	C	ON SPECIFIED AREAS APPLY WOOD'S NICKEL STRIKE PER 138.
	D	CHROME PLATE SPECIFIED SURFACES PER 129.
	E	APPLY SOLID FILM LUBRICANT TO ALL SURFACES PER 228.
	F	TOUCH UP AS REQUIRED PER 340.

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SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
S633	**CHROME PLATE. 300 SERIES OR HEAT TREATABLE CRES.**
A	PASSIVATE PER 146.
B	GRIT BLAST PER 183. MASK ONLY THREADS ON PART.
C	ON SPECIFIED PARTS APPLY WOOD'S NICKEL STRIKE PER 138.
D	CHROME PLATE SPECIFIED SURFACES PER 129.
S634	**CHROME PLATE. 300 SERIES OR HEAT TREATABLE CRES.**
A	CLEAN ALL SURFACES PER 135.
B	GRIT BLAST PER 180.
C	APPLY WOOD'S NICKEL STRIKE TO ALL SURFACES PER 166.
D	CHROME PLATE ALL SURFACES PER 369.
S635	**AMS-C-27725 FUEL TANK COATING. 300 SERIES OR HEAT TREATABLE CRES (EXCEPT CASTINGS).**
A	PASSIVATE PER 146.
B	APPLY AMS-C-27725 COATING TO ALL SURFACES PER 220.
C	TOUCH UP AS PER 325.
S636	**AERODYNAMIC SEALS.**
A	PREPARE ALL SURFACES AND TREAT PER 148.
B	APPLY SOLID FILM LUBE TO SPECIFIED SURFACES PER 207.
C	APPLY ONE COAT OF MIL-C-8514 WASH PRIMER TO REMAINING SURFACES PER 306.
D	PRIME ONE COAT INTERIOR SURFACES PER 202.
E	PAINT PRIMED SURFACES WITH WHITE URETHANE PER 222 (OR 274).
F	PRIME REMAINING EXTERIOR EXPOSED SURFACES ONE COAT PER 202.
G	FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER 16NXXXX.
H	TOUCH UP AS REQUIRED PER 321, 324, 329, AND 340.
S637	**AERODYNAMIC SEALS.**
A	PREPARE ALL SURFACES PER 377.
B	PASSIVATE ALL SURFACES PER 146.
C	APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 207; HOWEVER, DO NOT REPEAT GRIT BLAST AND PASSIVATION PROCEDURES (PRIOR TO SOLID FILM LUBRICANT APPLICATION) IF THESE OPERATIONS HAVE ALREADY BEEN PERFORMED.
D	APPLY ONE COAT OF MIL-C-8514 WASH PRIMER TO REMAINING SURFACES PER 306.
E	PRIME INTERIOR SURFACES WITH ONE COAT OF PRIMER PER 202.
F	PAINT PRIMED INTERIOR SURFACES WITH WHITE URETHANE PER 222 (OR 274).
G	PRIME REMAINING EXTERIOR EXPOSED SURFACES WITH ONE COAT OF PRIMER PER 202.
H	FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER 16NXXXX.
I	TOUCH UP AS REQUIRED PER 321, 324, 329, AND 340.

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SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
S638	**AMS-C-27725 FUEL TANK COATING AND WHITE ACRYLIC LACQUER/WHITE URETHANE. 300 SERIES OR HEAT TREATABLE CRES.**
	A PASSIVATE PER 146.
	B APPLY AMS-C-27725 FUEL TANK COATING ON SPECIFIED FAYING SURFACES AND SURFACES EXPOSED TO FUEL PER 221.
	C PRIME REMAINING SURFACES ONE COAT PER 202.
	D PAINT PRIMED SURFACES WITH EITHER WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296).
	E TOUCH UP AS REQUIRED PER 325 AND 338.
S639	**WHITE URETHANE AND 16NXXXX FINISH. 300 SERIES OR HEAT TREATABLE CRES (EXCEPT TUBING).**
	A PASSIVATE PER 147.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	D FINISH EXTERIOR SURFACES PER THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING.
	E TOUCH AS REQUIRED PER 324.
S640	**DARK GRAY URETHANE. 300 SERIES AND HEAT TREATABLE CRES.**
	A PASSIVATE PER 146.
	B APPLY MIL-C-8514 WASH PRIMER TO SPECIFIED SURFACES PER 306.
	C PRIME SPECIFIED SURFACES WITH ONE COAT OF PRIMER PER 202.
	D PAINT PRIMED SURFACES WITH DARK GRAY URETHANE COATING PER 257.
	E TOUCH UP AS REQUIRED PER 333.
S641	**DARK GRAY URETHANE. 300 SERIES AND HEAT TREATABLE CRES.**
	A PASSIVATE PER 146.
	B APPLY MIL-C-8514 WASH PRIMER TO ALL SURFACES PER 316.
	C PRIME ALL SURFACES WITH ONE COAT OF PRIMER PER 201.
	D PAINT PRIMED SURFACES WITH TWO COATS OF DARK GRAY URETHANE COATING PER 263.
	E TOUCH UP PER 333.
S642	**LIGHT GRAY URETHANE AND 16NXXXX FINISH. AISI 410 OR 17-4PH CASTING DETAILS OR PARTS PREVIOUSLY PASSIVATED.**
	A CLEAN PER 135.
	B PRIME SPECIFIED SURFACES WITH ONE COAT OF PRIMER PER 202.
	C PAINT INTERIOR SPECIFIED SURFACES LIGHT GRAY URETHANE PER 254. (PAINT OVERSPRAY ONTO EXTERIOR SURFACES IS PERMISSIBLE)
	D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16NXXXX.
	E TOUCH UP AS REQUIRED PER 348.
S643	**CADMIUM PLATE OR IVD ALUMINUM. 300 SERIES OR HEAT TREATABLE CRES.**
	A IF CADMIUM PLATING, CLEAN AND APPLY WOOD'S NICKEL STRIKE TO ALL SURFACES PER 166. (IF APPLYING IVD ALUMINUM, SKIP THIS STEP.
	B CADMIUM PLATE PER 160 OR IVD ALUMINUM TREAT PER 520 ALL SURFACES.

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
S644	**CADMIUM PLATE OR IVD ALUMINUM, AND CHROME PLATE. 300 SERIES OR HEAT TREATABLE CRES.**
	A GRIT BLAST ALL SURFACES PER 180.
	B PASSIVATE ALL SURFACES PER 146.
	C APPLY WOOD'S NICKEL STRIKE TO ALL SURFACES PER 166.
	D CHROME PLATE SPECIFIED SURFACES PER 129.
	E CADMIUM PLATE PER 161 OR IVD ALUMINUM TREAT PER 521 SPECIFIED SURFACES.
S645	**WHITE URETHANE. 300 SERIES AND HEAT TREATABLE CRES.**
	A CLEAN, CHEMICAL DESCALE AND PASSIVATE PER 147. (0.00075 INCH METAL REMOVAL PERMITTED).
	B APPLY ONE COAT OF PRIMER TO SPECIFIED SURFACES PER 202.
	C PAINT SPECIFIED SURFACES WITH MIL-C-83286 OR MIL-C-85285 URETHANE COATING; WHITE COLOR NO. 17875 OR COLOR NO. 17925 PER 222 (OR 274).
	D TOUCH UP AS REQUIRED PER 324.
S646	**FMS-3014 FORM 2 ADHESIVE PRIMER 300 SERIES OR HEAT TREATABLE CRES (EXCEPT CASTINGS)**
	A PASSIVATE PER 146.
	B APPLY FMS-3014 FORM 2 TO ALL SURFACES PER 400.
	C TOUCH UP PER 523 (OR 524 AS APPLICABLE).
S647	**CADMIUM PLATE OR IVD ALUMINUM, AND ELECTROLESS NICKEL PLATE. 300 SERIES OR HEAT TREATABLE CRES.**
	A CLEAN AND APPLY WOOD'S NICKEL STRIKE TO ALL SURFACES PER 166.
	B ELECTROLESS NICKEL PLATE ALL SURFACES PER 125.
	C CADMIUM PLATE PER 161 OR IVD ALUMINUM TREAT PER 521 SPECIFIED SURFACES.
S648	**SOLID FILM LUBRICANT, LIGHT GRAY URETHANE AND 16N0001 FINISH. AISI 410 OR 17-4PH CASTING DETAILS OR PARTS PREVIOUSLY PASSIVATED.**
	A CLEAN PER 135.
	B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 207.
	C APPLY ONE COAT OF WASH PRIMER TO SPECIFIED SURFACES PER 306.
	D PRIME WASH-PRIMED AREAS PER 202.
	E PAINT SPECIFIED AREAS WITH LIGHT GRAY URETHANE PER 254.
	F FINISH REMAINING SURFACES AFTER ASSEMBLY PER DRAWING 16N0001
	G TOUCH UP AS REQUIRED PER 340 AND 348.
S649	**SOLID FILM LUBRICANT AND MIL-C-85054 CRES CASTINGS.**
	A PREPARE ALL SURFACES PER 149.
	B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 230.
	C APPLY MIL-C-85054 TO SPECIFIED SURFACES PER 505.

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE **APPLICABLE FINISH**

S650 **RED EPOXY ENAMEL/RED URETHANE AND 16N0001 FINISH AISI 410 OR 17-4PH CASTING DETAILS.**

A CLEAN ALL SURFACES PER 135.
B PRIME ONE COAT ALL SURFACES PER 201.
C APPLY RED EPOXY ENAMEL OR RED URETHANE TO SPECIFIED SURFACES PER 215.
D FINISH EXTERIOR EXPOSED SURFACES PER 16N0001.
E TOUCH-UP AS REQUIRED 321 AND 334.

S651 **RED EPOXY ENAMEL/RED URETHANE, SOLID FILM LUBRICANT AND 16NXXXX FINISH – PYLON. AISI 410 OR 17-4PH CASTING DETAILS.**

A CLEAN ALL SURFACES PER 135.
B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 207.
C PRIME REMAINING SURFACES ONE COAT PER 202.
D PAINT SPECIFIED SURFACES WITH ONE COAT OF RED EPOXY ENAMEL PER 215 (OR APPLY RED URETHANE PER 512).
E FINISH EXTERIOR SURFACES PER DRAWING 16N0005.
F TOUCH UP AS REQUIRED PER 329, 340, AND 508 (OR 513).

S652 **RED EPOXY ENAMEL/RED URETHANE, SOLID FILM LUBRICANT AND 16NXXXX FINISH - PYLON. 300 SERIES OR HEAT TREATABLE CRES.**

A PASSIVATE PER 147.
B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 207.
C PRIME REMAINING SURFACES ONE COAT PER 202.
D PAINT SPECIFIED SURFACES WITH ONE COAT OF RED EPOXY ENAMEL OR RED URETHANE PER 215.
E FINISH EXTERIOR SURFACES PER DRAWING 16N0005.
F TOUCH UP AS REQUIRED PER 329, 340, AND 508.

S653 **WHITE URETHANE AND SOLID FILM LUBRICANT. AISI 410 OR 17-4PH CASTING DETAILS.**

A CLEAN ALL SURFACES PER 135.
B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 207.
C PRIME REMAINING SURFACES ONE COAT PER 202.
D PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
E TOUCH UP AS REQUIRED PER 324 AND 340.

S654 **SOLID FILM LUBRICANT ALL CRES EXCEPT CASTINGS**

A CLEAN ALL SURFACES PER 509.
B APPLY SOLID FLIM LUBRICANT PER 510.

NOTE: THIS CODE IS INTENDED FOR PREVIOUSLY PASSIVATED VENDOR PARTS. DO NOT USE WITHOUT MATERIALS AND PROCESSES ENGINEERING APPROVAL.

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
S655	**BLACK EPOXY ENAMEL/BLACK URETHANE AND SOLID FILM LUBRICANT. 300 SERIES CRES AND PRECIPITATION HARDENABLE CRES**
	A PASSIVATE ALL SURFACES PER 146.
	B PRIME ONE COAT SPECIFIED SURFACES PER 202.
	C PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	D ON THREADS, UNLESS OTHERWISE NOTED, APPLY SOLID FILM LUBRICANT PER 230.
	E TOUCH UP AS REQURED PER 323.
S656	**RED EPOXY ENAMEL/RED URETHANE, SOLID FILM LUBRICANT AND 16NXXXX FINISH – PYLON. 300 SERIES OR HEAT TREATABLE CRES**
	A PASSIVATE ALL SURFACES PER 146.
	B APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 207.
	C PRIME REMAINING SURFACES ONE COAT PER 202.
	D PAINT SPECIFIED SURFACES WITH ONE COAT OF RED EPOXY ENAMEL OR RED URETHANE PER 215.
	E FINISH EXTERIOR SURFACES PER DRAWING 16N0005.
	F TOUCH UP AS REQUIRED PER 329, 340, AND 508.
S657	**BLACK EPOXY ENAMEL/BLACK URETHANE AND SOLID FILM LUBRICANT. CRES CASTINGS AND WELDED ASSEMBLIES.**
	A CLEAN ALL SURFACES PER 135.
	B PRIME SPECIFIED SURFACES ONE COAT PER 202.
	C PAINT PRIMED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213.
	D APPLY SOLID FILM LUBRICANT TO NOTED THREADS PER 230.
	E TOUCH UP AS REQUIRED PER 323.
S658	**PRIMER AND 16NXXXX FINISH. 300 SERIES OR HEAT TREATABLE CRES.**
	A PASSIVATE ALL SURFACES PER 146.
	B PRIME ALL SURFACES ONE COAT PER 201.
	C FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	D TOUCH UP AS REQUIRED PER 321 AND 334.
S659	**DARK GRAY URETHANE AND 16NXXXX FINISH OVER IVD ALUMINUM - PYLONS. 300 SERIES OR HEAT TREATABLE CRES.**
	A PASSIVATE ALL SURFACES PER 146.
	B IVD ALUMINUM TREAT ALL SURFACES PER 520.
	C PRIME ONE COAT ALL SURFACES PER 201.
	D PAINT SPECIFIED INTERIOR SURFACES WITH GRAY COLOR 36270 URETHANE COATING PER 290 (OR 292).
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
	F TOUCHUP AS REQUIRED PER 353.

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH

S660 **DARK GRAY URETHANE FINISH OVER IVD ALUMINUM-PYLONS 300 SERIES OR HEAT TREATABLE CRES.**

- A PASSIVATE ALL SURFACES PER 146.
- B IVD ALUMINUM TREAT ALL SURFACES PER 520.
- C PRIME ONE COAT ALL SURFACES PER 201.
- D PAINT PRIMED SURFACES WITH GRAY COLOR 36270 URETHANE COATING PER 289 (OR 292).
- E TOUCHUP AS REQUIRED PER 353.

S661 **SOLID FILM LUBRICANT AND CADMIUM PLATE/IVD ALUM. WROUGHT CRES.**

- A PASSIVATE EXCEPT FOR CADMIUM PLATE/IVD ALUM AREA PER 177.
- B IF CADMIUM PLATING, APPLY WOOD'S NICKEL STRIKE WHERE SPECIFIED PER 138. (IF APPLYING IVD ALUMINUM, SKIP THIS STEP.)
- C CADMIUM PLATE SURFACES WHICH RECEIVED THE WOOD'S NICKEL STRIKE PER 161 OR IVD ALUMINUM TREAT SPECIFIED SURFACES PER 521.
- D PREPARE AREA TO RECEIVE SOLID FILM LUBRICANT PER 148.
- E APPLY SOLID FILM LUBRICANT TO PREPARED AREA PER 228.
- F TOUCH UP AS REQUIRED PER 340.

S662 **SOLID FILM LUBRICANT AND CHROMIUM PLATE. 300 SERIES OR HEAT TREATABLE CRES.**

- A PASSIVATE PER 146.
- B GRIT BLAST PER 183. MASK AREAS NOT TO BE CHROME PLATED.
- C ON AREAS TO BE PLATED, APPLY WOOD'S NICKEL STRIKE PER 138.
- D CHROME PLATE SPECIFIED SURFACES PER 129.
- E APPLY SOLID FILM LUBRICANT TO SPECIFIED SURFACES PER 228.
- F TOUCH UP AS REQUIRED PER 340.

S663 **LIGHT GRAY SEMIGLOSS GRAY URETHANE AND 16NXXX FINISH-PYLONS. 300 SERIES AND HEAT TREATABLE CRES.**

- A PASSIVATE PER 146.
- B APPLY MIL-C-8514 WASH PRIMER TO ALL SURFACES PER 316.
- C PRIME ALL SURFACES WITH ONE COAT OF PRIMER PER 531.
- D PAINT INTERIOR SURFACES WITH TWO COATS OF LIGHT SEMIGLOSS GRAY URETHANE COATING PER 544.
- E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- F TOUCH UP PER 550 AND 551.
- G NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH

S664 **LIGHT SEMIGLOSS GRAY URETHANE AND 16NXXXX FINISH - PYLONS. CRES CASTINGS.**

- A CLEAN PER 135.
- B PRIME ONE COAT ALL SURFACES PER 531.
- C PAINT SPECIFIED INTERIOR SURFACES WITH LIGHT SEMIGLOSS GRAY URETHANE COATING PER 544.
- D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- E TOUCH UP AS REQUIRED PER 550 AND 551.
- F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

S665 **DARK GRAY URETHANE AND 16NXXX FINISH - PYLONS. 300 SERIES AND HEAT TREATABLE CRES.**

- A PASSIVATE PER 146.
- B APPLY MIL-C-8514 WASH PRIMER TO ALL SURFACES PER 316.
- C PRIME ALL SURFACES WITH ONE COAT OF PRIMER PER 531.
- D PAINT INTERIOR SURFACES WITH TWO COATS OF DARK GRAY URETHANE COATING PER 257.
- E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- F TOUCH UP PER 333 AND 551.
- G NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

S666 **DARK GRAY URETHANE AND 16NXXXX FINISH - PYLONS. CRES CASTINGS.**

- A CLEAN PER 135.
- B PRIME ONE COAT ALL SURFACES PER 531.
- C PAINT SPECIFIED INTERIOR SURFACES WITH DARK GRAY URETHANE COATING PER 257.
- D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005
- E TOUCH UP AS REQUIRED PER 339 AND 551.
- F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

S667 **DARK GRAY URETHANE AND 16NXXXX FINISH OVER IVD ALUMINUM - PYLONS. 300 SERIES OR HEAT TREATABLE CRES.**

- A PASSIVATE ALL SURFACES PER 146.
- B IVD ALUMINUM TREAT ALL SURFACES PER 520.
- C PRIME ONE COAT ALL SURFACES PER 201.
- D PAINT SPECIFIED INTERIOR SURFACES WITH GRAY COLOR 26493 SEMIGLOSS URETHANE COATING PER 544 (OR 542).
- E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0005.
- F TOUCHUP AS REQUIRED PER 555.

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE **APPLICABLE FINISH**

S668 **DARK GRAY URETHANE FINISH OVER IVD ALUMINUM - PYLONS. 300 SERIES OR HEAT TREATABLE CRES.**

A PASSIVATE ALL SURFACES PER 146.
B IVD ALUMINUM TREAT ALL SURFACES PER 520.
C PRIME ONE COAT ALL SURFACES PER 201.
D PAINT PRIMED SURFACES WITH GRAY COLOR 26493 SEMIGLOSS URETHANE COATING PER 541 (OR 542).
E TOUCHUP AS REQUIRED PER 555.

S701 **LIGHT GRAY URETHANE AND PRIMER (FOR FS-X PARTS) AISI 410 OR 17-4PH CASTING DETAILS OR PARTS PREVIOUSLY PASSIVATED.**

A CLEAN PER 135.
B PRIME SPECIFIED SURFACES WITH ONE COAT OF PRIMER PER 202.
C PAINT SPECIFIED SURFACES WITH LIGHT GRAY URETHANE PER 254
D TOUCH UP AS REQUIRED PER 321 OR 348.

S702 **WHITE URETHANE. 300 SERIES OR HEAT TREATABLE CRES, EXCEPT TUBING**

A PASSIVATE PER 146.
B PRIME ONE COAT ALL SURFACES EXCEPT HOLES PER 202.
C PAINT PRIMED SURFACES WITH WHITE URETHANE COATING PER 222.
D TOUCH UP AS REQUIRED PER 324.

S703 **PRIMER AND CORROSION PREVENTIVE COMPOUND. 300 SERIES AND HEAT TREATABLE CRES.**

A PASSIVATE PER 146.
B PRIME ONE COAT SPECIFIED SURFACES PER 202.
C APPLY CORROSION PREVENTIVE COMPOUND TO NOTED AREA PER 250.
D TOUCH UP AS REQUIRED PER 321.

S704 **WHITE URETHANE AND 16NXXXX FINISH. HEAT TREATABLE CRES (EXCEPT TUBING).**

A PASSIVATE PER 147.
B PRIME ONE COAT ALL SURFACES PER 201.
C PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
D FINISH EXTERIOR SURFACES PER THE APPLICABLE 16NXXXX AIRCRAFT
E TOUCH UP AS REQUIRED PER 334.

S705 **FMS-3014 FORM 2 ADHESIVE PRIMER 300 SERIES OR HEAT TREATABLE CRES**

A PASSIVATE PER 146.
B APPLY FMS-3014 FORM 2 TO SPECIFIED SURFACES PER 403.
C TOUCH UP AS REQUIRE PER 523 (OR 524 AS APPLICABLE)

APPENDIX A. Finish Codes

SECTION S. CORROSION RESISTANT STEEL ALLOYS

CODE	APPLICABLE FINISH
S706	**WHITE URETHANE AND 16NXXXX FINISH** **300 SERIES OR HEAT TREATABLE CRES**
	A PASSIVATE PER 146.
	B PRIME ALL SURFACES ONE PER 201.
	C PAINT INTERIOR EXPOSED SURFACES WITH TWO COATS OF WHITE URETHANE COATING PER 222 (OR 274).
	D FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	E TOUCH UP AS REQUIRED PER 326.
S707	**BLUE URETHANE. 300 SERIES OR HEAT TREATABLE CRES, EXEPT TUBING**
	A PASSIVATE PER 146.
	B PRIME ONE COAT ALL SURFACES EXCEPT HOLES PER 202.
	C PAINT PRIMED SURFACES WITH BLUE URETHANE COATING PER 378.
	D TOUCH UP AS REQUIRED PER 382.

APPENDIX A. Finish Codes

SECTION T. TITANIUM AND TITANIUM ALLOYS

CODE		APPLICABLE FINISH
T100		**NO FINISH REQUIRED. TITANIUM AND TITANIUM ALLOYS**
	A	NO FINISH REQUIRED.
T103		**DO NOT FINISH. DETAIL OF BONDED ASSEMBLY.**
	A	NO FINISH REQUIRED.
T104		**DO NOT FINISH. DETAIL OF WELDED ASSEMBLY. TITANIUM AND TITANIUM ALLOYS.**
	A	NO FINISH REQUIRED.
T151		**FLUORIDE PHOSPHATE TREATMENT. TITANIUM AND TITANIUM ALLOYS (DO NOT USE ON WELDED ASSEMBLIES CONTAINING LAP WELDS WHICH WOULD ENTRAP SOLUTIONS)**
	A	CLEAN AND APPLY CONVERSION TREATMENT TO ALL SURFACES PER 151.
T187		**FLUORIDE PHOSPHATE TREATMENT. TITANIUM AND TITANIUM ALLOYS (DO NOT USE ON WELDED ASSEMBLIES CONTAINING LAP WELDS WHICH WOULD ENTRAP SOLUTIONS)**
	A	CLEAN AND APPLY CONVERSION TREATMENT TO SPECIFIED SURFACES PER 187.
T401		**ANTIGALL OR WEAR SURFACE TREATMENT.**
	A	APPLY CONVERSION TREATMENT TO ALL SURFACES PER 151.
	B	(INACTIVE FOR NEW DESIGN, SEE T151 FOR PREFERRED CODE.)
T402		**WHITE URETHANE.**
	A	CLEAN PER 145.
	B	PRIME EXPOSED SURFACES ONE COAT PER 202.
	C	PAINT PRIMED SURFACE WITH WHITE URETHANE COATING PER 222 (OR 274).
	D	TOUCH UP AS REQUIRED PER 341.
T403		**FLUORIDE PHOSPHATE TREATMENT AND WHITE URETHANE. DO NOT USE ON WELDED ASSEMBLIES CONTAINING LAP WELDS WHICH WOULD ENTRAP SOLUTIONS.**
	A	CLEAN AND APPLY CONVERSION TREATMENT TO ALL SURFACES PER 151.
	B	PRIME ONE COAT SURFACES SPECIFIED FOR WHITE COLOR PER 202.
	C	PAINT SPECIFIED SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274).
	D	TOUCH UP AS REQUIRED PER 341.
T404		**PRIMER AND 16NXXXX FINISH. ALL SURFACES.**
	A	CLEAN AND APPLY CONVERSION TREATMENT TO ALL SURFACES PER 151 OR CLEAN AND ABRADE ALL SURFACES PER 183.
	B	PRIME ALL SURFACES ONE COAT PER 201.
	C	FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001.
	D	TOUCH UP AS REQUIRED PER 342.
T405		**PRIMER. DISSIMILAR METAL PROTECTION.**
	A	CLEAN PER 145.
	B	PRIME ONE COAT ALL SURFACES PER 201.
	C	TOUCH UP AS REQUIRED PER 343.

APPENDIX A. Finish Codes

SECTION T. TITANIUM AND TITANIUM ALLOYS

CODE	APPLICABLE FINISH
T406	**PRIMER AND 16NXXXX FINISH.** **ALL TITANIUM ALLOYS.** A CLEAN AND APPLY CONVERSION TREATMENT TO ALL SURFACES PER 151 B PRIME SPECIFIED SURFACES ONE COAT PER 202. C FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER DRAWING 16N0001. D TOUCH UP AS REQUIRED PER 342.
T407	**PRIMER AND BLACK EPOXY ENAMEL/BLACK URETHANE.** **ALL TITANIUM ALLOYS.** A CLEAN PER 145. B PRIME ONE COAT ALL SURFACES PER 201. C PAINT SPECIFIED SURFACES WITH BLACK EPOXY ENAMEL OR BLACK URETHANE PER 213. D TOUCH UP AS REQUIRED PER 323.
T408	**PRIMER AND DARK GRAY URETHANE. TITANIUM ALLOYS.** A CLEAN AND APPLY CONVERSION TREATMENT TO ALL SURFACES PER 151 B PRIME SPECIFIED SURFACES ONE COAT PER 202. C PAINT PRIMED SURACES WITH DARK GRAY URETHANE COATING PER 527. D TOUCH UP AS REQUIRED PER 528.
T409	**PRIMER AND DARK GRAY URETHANE. TITANIUM ALLOYS.** A CLEAN AND APPLY CONVERSION TREATMENT TO ALL SURFACES PER 151 B PRIME ALL SURFACES ONE COAT PER 201. C PAINT ALL SURACES WITH DARK GRAY URETHANE COATING PER 529. D TOUCH UP AS REQUIRED PER 528.
T410	**WHITE ACRYLIC LACQUER/WHITE URETHANE AND 16NXXXX FINISH** **TITANIUM ALLOYS.** A CLEAN PER 145. B PRIME ONE COAT SPECIFIED SURFACES PER 202. C PAINT INTERIOR SURFACES WITH EITHER WHIT ACRYLIC LACQUER OR WHITE URETHANE COATING PER 294 (OR 296). D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER DRAWING 16N0001. E TOUCH UP AS REQUIRED PER 341, 343, AND 345.
T411	**WHITE URETHANE AND 16NXXXX FINISH** **TITANIUM ALLOYS** A CLEAN AND APPLY CONVERSION TREATMENT TO ALL SURFACES PER 151 OR CLEAN AND ABRADE ALL SURFACES PER 183. B PRIME ONE COAT ALL SURFACES PER 531. C PAINT INTERIOR SURFACES WITH WHITE URETHANE COATING PER 222 (OR 274). D FINISH EXTERIOR EXPOSED SURFACE AFTER ASSEMBLY PER THE APPLICABLE 16NXXXX PAINTING DRAWING. E TOUCH UP AS REQUIRED PER 341 AND 342. F NOTE: FOR APPLICATION OF FMS-3049 COATING; SEE MATERIALS AND PROCESSES ENGINEERING FOR USE.

APPENDIX A. Finish Codes

SECTION T. TITANIUM AND TITANIUM ALLOYS

CODE	APPLICABLE FINISH
T412	**FLUORIDE PHOSPHATE TREATMENT AND WHITE URETHANE. DO NOT USE ON WELDED ASSEMBLIES CONTAINING LAP WELDS WHICH WOULD ENTRAP SOLUTIONS.**
	A CLEAN AND APPLY CONVERSION TREATMENT TO ALL SURFACES PER 151.
	B PRIME ONE COAT ALL SURFACES PER 201.
	C PAINT ALL SURFACES WITH WHITE URETHANE COATING PER 223 (OR 274).
	D TOUCH UP AS REQUIRED PER 341.
T450	**SOLID FILM LUBRICANT. (FOR ASSEMBLIES CONTAINING LAP WELDS WHICH WOULD ENTRAP SOLUTIONS.)**
	A PREPARE SURFACES SPECIFIED PER 151.
	B APPLY SOLID FILM LUBE TO SURFACES IN THICKNESSES OR DIMENSIONS AS NOTED PER 207.
	C TOUCH UP AS REQUIRED PER 344.
T451	**PRIMER AND SOLID FILM LUBRICANT.**
	A PREPARE SURFACES PER 151.
	B PRIME ONE COAT SPECIFIED AREA PER 202.
	C APPLY SOLID FILM LUBE TO SPECIFIED SURFACES IN THICKNESSES OR DIMENSIONS AS NOTED PER 207.
	D TOUCH UP AS REQUIRED PER 343 AND 344.
T452	**PRIMER FOR DISSIMILAR METAL PROTECTION ON SPECIFIED SURFACES**
	A CLEAN PER 145.
	B PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
	C TOUCH UP AS REQUIRED PER 343.
	D (INACTIVE FOR NEW DESIGN. SEE T454 FOR PREFERRED CODE.)
T453	**WHITE URETHANE, SOLID FILM LUBRICANT AND 16NXXXX FINISH – TITANIUM ALLOYS**
	A CLEAN AND APPLY CONVERSION TREATMENT TO ALL SURFACES PER 151.
	B APPLY SOLID FILM LUBE TO SPECIFIED SURFACES PER 207.
	C PRIME REMAINING SURFACES ONE COAT PER 202.
	D PAINT SPECIFIED SURFACES WITH WHITE URETHANE PER 222.
	E FINISH EXTERIOR EXPOSED SURFACES AFTER ASSEMBLY PER 16N0001.
	F TOUCH UP AS REQUIRED PER 341, 342, AND 344.
T454	**PRIMER FOR DISSIMILAR METAL PROTECTION ON SPECIFIED SURFACES**
	A CLEAN AND APPLY CONVERSION TREATMENT TO ALL SURFACES PER 151.
	B PRIME ONE COAT ON SPECIFIED SURFACES PER 202.
	C TOUCH UP AS REQUIRED PER 343.
T800	**FMS-3014 FORM 2 ADHESIVE PRIMER ALL TITANIUM ALLOYS**
	A CLEAN AND APPLY CONVERSION TREATMENT TO ALL SURFACES PER 151 OR CLEAN AND ABRADE ALL SURFACES PER 183.
	B APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO ALL SURFACES PER 400.
	C TOUCH UP AS REQUIRED PER 523 (OR 524 AS APPLICABLE).

APPENDIX A. Finish Codes

SECTION W. RESTRICTED FINISH CODES

CODE		APPLICABLE FINISH
W100		**REFER TO FACE OF DRAWING FOR FINISH.**
	A	NOTE: FOR CUSTOMER USE ONLY. NOT FOR LMTAS USE.
W286		**PAINTING CREW STATION ASSEMBLIES ON AIRCRAFT EQUIPPED FOR NIGHT VISION - P6096-2 FLAT BLACK URETHANE.**
	A	EXCEPTION TO FPS-3001 PARAGRAPH 3.5.4.
	B	CLEAN SURFACES SPECIFIED ON ASSEMBLY DRAWING BY SOLVENT WIPING WITH P6228-1, P6230-1, OR FMS-2004. ALUMINUM OXIDE OR EMERY CLOTH.
	C	FOR AREAS PAINTED GRAY AT DETAIL LEVEL, LIGHTLY ABRADE EXPOSED SURFACES WITH #320 OR FINER ABRASIVE SUCH AS ALUMINUM OXIDE OR EMERY CLOTH.
	D	REWIPE ABRADED SURFACES PER A) ABOVE.
	E	APPLY ONE COAT OF PRIMER TO ABRADED SURFACES PER 202.
	F	PAINT EXPOSED SURFACES SPECIFIED ON THE ASSEMBLY DRAWING WITH P6096-2 FLAT BLACK URETHANE PER 286 (OR 217).
0000		**NO FINISH REQUIRED FOR MISC. NON-METALS**
	A	NO FINISH REQUIRED.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
100	NO FINISH REQUIRED.
103	DETAIL OF BONDED ASSEMBLY, DO NOT FINISH.
104	DETAIL OF WELDED ASSEMBLY, DO NOT FINISH.
105	CLEAN PER FPS-3001, PARA. 3.1.1 AND CHEMICAL FILM ALL SURFACES PER MIL-C-5541.
106	CLEAN PER FPS-3001, PARA. 3.1.1 AND BRUSH CHEMICAL FILM PER MIL-C-5541, EXTERIOR SURFACES OF BONDED ASSEMBLY. AS AN ALTERNATE, CHEM FILM MAY BE APPLIED TO EXTERIOR SURFACES OF BONDED ASSEMBLY BY DIPPING WITH THE FOLLOWING RESTRICTIONS: 1. LEAK TEST SHALL HAVE BEEN PERFORMED. 2. NO ELEVATED TEMPERATURE CLEANING OR DRYING OF THE BONDED ASSEMBLY SHALL BE EMPLOYED PRIOR TO THE DIPPING OPERATION.
107	CLEAN PER FPS-3001, PARA. 3.1.1 AND CHEMICAL FILM PER MIL-C-5541 EXTERIOR SURFACES ONLY. TREATMENT IS OPTIONAL ON INSIDE DIAMETER.
108	CLEAN PER FPS-3001, PARA. 3.1.1 AND CHEMICAL FILM PER MIL-C-5541 EXTERIOR SURFACES ONLY. TREATMENT NOT PERMITTED ON INSIDE DIAMETER.
109	CLEAN PER FPS-3001 AFTER FINAL ASSEMBLY.
111	CLEAN AND ANODIZE PER FPS-3033 OR FPS-3090 OR CLEAN PER FPS-3001 PARA. 3.1.1 AND ANODIZE ALL SURFACES PER MIL-A-8625, TYPE I. 1. IF ELECTRICAL BONDING IS REQUIRED ON SPECIFIED AREAS BY REFERENCE TO FPS-3024, ANODIZE ONLY THOSE SURFACES NOT SPECIFIED FOR ELECTRICAL BONDING PER 114. PREPARE SURFACES SPECIFIED FOR ELECTRICAL BONDING PER MIL-C-5541 CLASS 3. 2. AFTER ANODIZE, INSPECT ANODIZED SURFACE FOR DARKENED AREAS OF DISCOLORATION WHICH MAY INDICATE SOFT MATERIAL. PARTS CONTAINING SUCH SPOTS SHALL MEET THE REQUIREMENTS OF NDTS 1500 PRIOR TO ANODIZE COATING ACCEPTANCE.
112	CLEAN PER FPS-3001, PARA. 3.1.1 AND SULFURIC ACID ANODIZE ALL SURFACES PER MIL-A-8625, CLASS 1, TYPE II, DUPLEX SEALED
113	CLEAN PER FPS-3001, PARA 3.1.1 AND HARD ANODIZE ALL SURFACES PER MIL-A-8625, TYPE III, UNSEALED. 1. IF ELECTRICAL BONDING IS REQUIRED ON SPECIFIED AREAS BY REFERENCE TO FPS-3024, HARD ANODIZE PER 113 ONLY THOSE SURFACES NOT SPECIFIED FOR ELECTRICAL BONDING. PREPARE SURFACES SPECIFIED FOR ELECTRICAL BONDING PER MIL-C-5541 CLASS 3.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
114	CLEAN AND ANODIZE PER FPS-3033 OR FPS-3090 OR CLEAN PER FPS-3001, PARA. 3.1.1 AND ANODIZE SPECIFIED SURFACES PER MIL-A-8625, TYPE I. 1. IF ELECTRICAL BONDING IS REQUIRED ON SPECIFIED AREAS BY REFERENCE TO FPS-3024, ANODIZE ONLY THOSE SURFACES NOT SPECIFIED FOR ELECTRICAL BONDING PER 114. PREPARE SURFACES SPECIFIED FOR ELECTRICAL BONDING PER MIL-C-5541 CLASS 3. 2. AFTER ANODIZE, INSPECT ANODIZED SURFACE FOR DARKENED AREAS OF DISCOLORATION WHICH MAY INDICATE SOFT MATERIAL. PARTS CONTAINING SUCH SPOTS SHALL MEET THE REQUIREMENTS OF NDTS 1500 PRIOR TO ANODIZE COATING ACCEPTANCE.
115	CLEAN PER FPS-3001, PARA. 3.1.1 AND HARD ANODIZE SPECIFIED SURFACES PER MIL-A-8625, TYPE III, UNSEALED. 1. IF ELECTRICAL BONDING IS REQUIRED ON SPECIFIED AREAS BY REFERENCE TO FPS-3024, OMIT HARD ANODIZE ON SURFACES SPECIFIED FOR ELECTRICAL BONDING. PREPARE SURFACES SPECIFIED FOR ELECTRICAL BONDING PER MIL-C-5541 CLASS 3.
116	PREPARE SURFACE AND MANGANESE IRON PHOSPHATE TREAT ALL SURFACES PER FPS-3006, CLASS I. (FOR ALLOY STEEL<180 KSI).
117	PREPARE SURFACE AND MANGANESE IRON PHOSPHATE TREAT ALL SURFACES PER FPS-3006, CLASS II. (FOR ALLOY STEEL 180-240 KSI).
118	PREPARE SURFACE AND MANGANESE IRON PHOSPHATE TREAT ALL SURFACES PER FPS-3006, CLASS III. (FOR ALLOY STEEL>240 KSI)
119	CLEAN NOTED SURFACES BY LIGHT SANDING WITH 320 OR FINER ABRASIVE PAPER AND WIPE CLEAN WITH SOLVENT SUCH AS METHYL ETHYL KETONE, MIL-C-38736* CLEANER, OR FMS-2004 (FOR GRAPHITE COMPOSITES). *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
120	CLEAN PER FPS-3001, PARA. 3.1.4, AND CADMIUM PLATE ALL SURFACES PER QQ-P-416, TYPE II, CLASS 2. (FOR ALLOY STEELS <180 KSI AND FOR SPRINGS).
121	CLEAN PER FPS-3001, PARA. 3.1.4 FOR ALLOY STEEL AND CADMIUM PLATE ALL SURFACES PER FPS-1007, GRADE A, TYPE II, CLASS 2. (FOR ALLOY STEEL 180-220 KSI).
122	CLEAN PER FPS-3001, PARA. 3.1.4 FOR ALLOY STEEL, AND CADMIUM PLATE ALL SURFACES PER FPS-1007, GRADE B, TYPE II, CLASS 2. (FOR ALLOY STEEL 220-240 KSI).

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
123	CLEAN PER FPS-3001, PARA. 3.1.4 FOR ALLOY STEEL AND VACUUM CADMIUM PLATE ALL SURFACES PER MIL-C-8837, TYPE II, CLASS 2. (FOR ALLOY STEEL 220-240 KSI - ALTERNATE FOR PROCESSORS NOT QUALIFIED FOR 122, AND FOR ALLOY STEEL > 240 KSI).
124	CLEAN PER FPS-3001, PARA. 3.1.1 AND SULFURIC ACID ANODIZE SPECIFIED SURFACES PER MIL-A-8625, CLASS I, TYPE II, DUPLEX SEALED.
125	CLEAN AND APPLY ELECTROLESS NICKEL PLATE ALL SURFACES PER FPS-3005, CLASS 1.
126	CLEAN AND APPLY ELECTROLESS NICKEL PLATE ALL SURFACES PER FPS-3005, CLASS 2.
127	CLEAN AND APPLY ELECTROLESS NICKEL PLATE ALL SURFACES PER FPS-3005, CLASS 1. (FOR STEEL 240 KSI OR GREATER).
128	CLEAN AND APPLY ELECTROLESS NICKEL PLATE ALL SURFACES PER FPS-3005, CLASS 2. (FOR STEEL LESS THAN 240 KSI STRENGTH).
129	CLEAN PER FPS-3001, PARA. 3.1.3 FOR CRES OR 3.1.4 FOR NON-CRES AND CHROME PLATE SPECIFIED SURFACES PER QQ-C-320, CLASS 2D. BAKE AFTER PLATING FOR 3 HOURS MINIMUM. SUSTAINED TENSILE LOAD TESTS ARE NOT REQUIRED. (FOR ALLOY STEEL LESS THAN OR EQUAL TO 240 KSI WITHOUT SIGNIFICANT SUSTAINED TENSILE LOADS OR DYNAMIC LOADING).
130	CLEAN PER FPS-3001, PARA. 3.1.4, AND TIN PLATE ALL SURFACES PER FPS-0030. (FOR ALLOY STEEL).
131	CLEAN AND SILVER PLATE ALL SURFACES PER AMS 2410.
132	CLEAN AND SILVER PLATE ALL SURFACES PER AMS 2412.
133	CLEAN AND CHROME PLATE SPECIFIED SURFACES PER FPS-3004 (FOR ALLOY STEEL > 240 KSI AND FOR STEEL 180-240 KSI SUBJECTED TO SIGNIFICANT SUSTAINED TENSION LOADS AND DYNAMIC LOADING).
134	CLEAN PER FPS-3001, PARA. 3.1.1, AND BRUSH CHEMICAL FILM PER MIL-C-5541 SPECIFIED SURFACES.
135	CLEAN PER FPS-3001, PARA. 3.1.3(A)
136	CLEAN AND BRUSH CADMIUM PLATE SPECIFIED SURFACES PER FPS-1046, GRADE A, TYPE II, CLASS 2.
137	CLEAN AND BRUSH NICKEL PLATE SPECIFIED SURFACES PER FPS-1046 GRADE B.
138	CLEAN AND APPLY WOOD'S NICKEL STRIKE PER FPS-3022 TO NOTED AREA.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
139	CLEAN PER FPS-3001, PARA. 3.1.1, AND ANODIZE PER MIL-A-8625, TYPE I, EXTERIOR SURFACES ONLY OF TUBING OR PARTS. TREATMENT NOT PERMITTED ON INSIDE SURFACES (OXYGEN SYSTEM).
140	CLEAN AND ANODIZE PER FPS-3033 OR FPS-3090 OR CLEAN PER FPS-3001, PARA 3.1.1, AND ANODIZE PER MIL-A-8625, TYPE I EXTERIOR SURFACES OF TUBING OR PARTS. TREATMENT IS OPTIONAL ON INSIDE SURFACES OF MACHINED PARTS, WELDED ASSEMBLIES WET WITH FLUID OR TUBING DETAILS.
141	CLEAN PER FPS-3001, PARA. 3.1.7, AND ANODIZE ALL SURFACES PER MIL-M-45202, TYPE I, CLASS C. (FOR MAGNESIUM).
142	CLEAN PER FPS-3001, PARA. 3.1.7, AND BRUSH CHROME PICKLE BARE AREAS PER MIL-M-3171, TYPE I. (FOR MAGNESIUM).
143	CLEAN AND CHROMIUM PLATE SPECIFIED SURFACES PER QQ-C-320, CLASS 2D, AND BAKE AFTER PLATING 8 HOURS MINIMUM. SUSTAINED TENSILE LOAD TESTS ARE NOT REQUIRED (220-240 KSI WITHOUT SIGNIFICANT SUSTAINED TENSILE LOADS OR DYNAMIC LOADING).
144	CLEAN SPECIFIED SURFACE WITH MIL-C-38736 CLEANER* OR FMS-2004. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
145	CLEAN PER FPS-3001, PARA. 3.1.2. (FOR TITANIUM ONLY).
146	CLEAN PER FPS-3001 PARA. 3.1.3(A) OR QQ-P-35, AND PASSIVATE ALL SURFACES PER FPS-3007 OR QQ-P-35 (METAL REMOVAL BY PASSIVATION SOLUTION NOT PERMITTED). (DO NOT USE FOR CASTINGS AND WELDED ASSEMBLIES WITH LAP JOINTS.) NOTE: THIS PROCESS MAY NOT REMOVE HEAT TINT OR DISCOLORATION RESULTING FROM THE AGING OPERATION.
147	CHEMICAL DESCALE AND PASSIVATE ALL SURFACES PER FPS-3020 (0.00075" METAL REMOVAL PERMITTED) (FOR ROUGH CRES FORGINGS, FORGED CRES BARS AND FOR HEAT TREATABLE CRES). (NOTE: FPS-1051 MAY BE USED IN LIEU OF FPS-3020. FULLY HEAT TREATED PARTS PROCESSED PER FPS-1051 MUST BE STRESS RELIEVED PER FPS-1051 REQUIREMENTS. CRES PARTS WHICH HAVE BEEN PRE-PENETRANT ETCHED PER FPS-3020 DO NOT REQUIRE ADDITIONAL PASSIVATION AFTER PENETRANT INSPECTION PROVIDED THERE ARE NO SUBSEQUENT MACHINING OPERATIONS.) NOTE:FOR SURFACES WHERE NO HEAT TREAT, OR MILL SCALE, OR FOR PARTS WHERE ALL SURFACES ARE MACHINED, QQ-P-35 MAY BE USED IN LIEU OF FPS-3020.
148	PREPARE ALL SURFACES AND PHOSPHATE TREAT PER FPS-3006, CLASS VIII, CASTINGS EXCEPTED.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
149	PREPARE SURFACES OF CASTINGS PER FPS-3006, CLASS VIII, STEPS A AND B ONLY.
151	PREPARE SURFACES AND FLUORIDE-PHOSPHATE TREAT ALL SURFACES PER FPS-0116 (FOR TITANIUM).
152	CLEAN PER FPS-3001, PARA. 3.1.4, AND CADMIUM PLATE SPECIFIED SURFACES PER QQ-P-416, TYPE II, CLASS 2. (FOR ALLOY STEEL < 180 KSI).
153	CLEAN PER FPS-3001, PARA. 3.1.4, AND CADMIUM PLATE SPECIFIED SURFACES PER FPS-1007, GRADE A, TYPE II, CLASS 2. (FOR ALLOY STEEL 180-220 KSI).
154	CLEAN PER FPS-3001, PARA. 3.1.4, AND CADMIUM PLATE SPECIFIED SURFACES PER FPS-1007, GRADE B, TYPE II, CLASS 2. (FOR ALLOY STEEL 220-240 KSI).
155	CLEAN PER FPS-3001, PARA. 3.1.4, AND VACUUM CADMIUM PLATE SPECIFIED SURFACES PER MIL-C-8837, TYPE II, CLASS 2. (FOR ALLOY STEEL 220-240 KSI - ALTERNATE FOR PROCESSORS NOT QUALIFIED FOR 154, AND FOR ALLOY STEEL>240 KSI).
156	CLEAN PER FPS-3001, PARA. 3.1.4.
157	CLEAN PER FPS-3001, PARA. 3.1.1 AND HARD ANODIZE SPECIFIED SURFACES PER MIL-A-8625, TYPE III, CLASS 2; AND DYE TO APPROXIMATELY GRAY COLOR 36118 OF FED. STD. 595. IRREGULAR AREAS OF LIGHTER GRAY SHADE DUE TO BLEED OUT FROM POROSITY ARE ACCEPTABLE (FOR ALUMINUM CASTINGS).
158	CLEAN PER FPS-3001, PARA. 3.1.5, AND CADMIUM PLATE ALL SURFACES PER QQ-P-416, TYPE II, CLASS 2. (FOR COPPER ALLOYS)
159	CLEAN PER FPS-3001, PARA. 3.1.5, AND CADMIUM PLATE SPECIFIED SURFACES PER QQ-P-416, TYPE II, CLASS 2. (FOR COPPER ALLOYS)
160	CLEAN PER FPS-3001, PARA. 3.1.3, AND CADMIUM PLATE ALL SURFACES PER QQ-P-416, TYPE II, CLASS 2. (FOR CRES).
161	CLEAN PER FPS-3001, PARA 3.1.3, AND CADMIUM PLATE SPECIFIED SURFACES PER QQ-P-416, TYPE II, CLASS 2. (FOR CRES).
162	CLEAN, PREPARE SURFACES AND APPLY MOLYBDENUM COATING TO SPECIFIED SURFACES PER FPS-3002 TO THICKNESS SPECIFIED ON DRAWING.
163	CLEAN PER FPS-3001, PARA. 3.1.1 AND SULFURIC ACID ANODIZE ALL SURFACES PER MIL-A-8625, TYPE II, CLASS 2, DYED BLACK. COLOR TO BE SHADE OF BLACK APPROXIMATING COLOR NOS. 36076, 36081, OR 37038 PER FED-STD-595. COLOR TO BE NO LIGHTER THAN COLOR NO. 36118.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
164	CLEAN AND APPLY ELECTROLESS NICKEL PLATE TO SPECIFIED SURFACES PER FPS-3005, CLASS 2 (FOR 180-240 KSI ALLOY STEEL).
165	PREPARE SURFACES AND MANGANESE IRON PHOSPHATE TREAT SPECIFIED SURFACES PER FPS-3006, CLASS III. (FOR ALLOY STEEL>240 KSI).
166	CLEAN AND APPLY WOOD'S NICKEL STRIKE PER FPS-3022 TO ALL SURFACES.
167	CLEAN NICKEL ALLOYS PER FPS-3001, PARA. 3.1.6.
168	CLEAN PER FPS-3001, PARA. 3.1.1, AND BRUSH CHEMICAL FILM ALL SURFACES PER MIL-C-5541.
169	CLEAN SPECIFIED SURFACES BY WIPING CLEAN WITH TT-I-735 ISOPROPYL ALCOHOL. CAUTION: DO NOT APPLY M.E.K., ACETONE, MIL-C-38736 CLEANER, P6174 CLEANER, OR FMS-2004.
170	CLEAN SPECIFIED SURFACES BY LIGHTLY SANDING WITH 220 GRIT ABRASIVE PAPER OR EQUIVALENT (ABRASIVE PADS) AND WIPE CLEAN WITH TT-I-735 ISOPROPYL ALCOHOL. CAUTION: DO NOT USE MEK, ACETONE, MIL-C-38736, P6174, OR FMS-2004 CLEANERS.
171	CLEAN AND APPLY CHROMATE CONVERSION COATING (QQ-P-416, TYPE 2) TO ALL SURFACES.
172	CLEAN PER FPS-3001, PARA. 3.1.5.
173	COPPER ALLOYS - ELECTROLESS NICKEL PLATE PER MIL-C-26074, CLASS 1, GRADE B.
174	CLEAN AND PREPARE CURED PRIMED SURFACES PER PARA. 3.7.18 OF FPS-3001.
175	CADMIUM PLATE SPECIFIED SURFACES PER FPS-1007, GRADE A, TYPE II, CLASS 2 ONTO SURFACES THAT HAVE NOT DRIED AFTER RECEIPT OF A WOOD'S NICKEL STRIKE (FOR CRES WITH TENSILE STRENGTH 180-220 KSI).
176	CLEAN PER FPS-3001, PARA. 3.1.1 AND CHEMICAL FILM ALL SURFACES PER MIL-C-5541, CLASS 3.
177	CLEAN PER FPS-3001, PARA. 3.1.3(A) AND PASSIVATE SPECIFIED SURFACES PER FPS-3007 (METAL REMOVAL BY PASSIVATION SOLUTION NOT PERMITTED). (DO NOT USE FOR CASTINGS OR WELD ASSEMBLIES)
178	CLEAN PER FPS-3001, PARA. 3.1.1 AND BRUSH CHEM FILM SPECIFIED SURFACES PER MIL-C-5541, CLASS 3.
179	COPPER AND COPPER ALLOYS - ELECTROLESS NICKEL PLATE PER FPS-3005, CLASS 1 TO THE SPECIFIED THICKNESS OR DIMENSIONS. NO SUBSEQUENT HEAT TREATMENT REQUIRED.

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Basic Element	Basic Element Step(s)
180	LIGHTLY GRIT BLAST EXPOSED SURFACES WITH 120 MESH ALUMINUM OXIDE GRIT AT 20-40 PSI, THEN SOLVENT CLEAN USING MIL-C-38736* OR FMS-2004 CLEANER. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
181	COPPER AND COPPER ALLOYS: ON EXPOSED COPPER SURFACES , EITHER ELECTROLESS NICKEL PLATE PER FPS-3005; CLASS 1 TO SPECIFIED THICKNESS OR DIMENSIONS (WITH NO SUBSEQUENT HEAT TREATMENT REQUIRED), OR ELECTROLYTICALLY NICKEL PLATE PER QQ-N-290; CLASS I, GRADE E. NOTE: GD/FW APPROVAL OF THE NICKEL PLATING PROCESS FOR COPPER HEAT SINKS IS NOT REQUIRED IF THE PLATING IS APPLIED IN ACCORDANCE WITH QQ-N-290 OR FPS-3005.
182	ANODIZE SPECIFIED SURFACES PER FPS-3033 OR FPS-3090 OR MIL-A-8625 TYPE I OR TYPE III (0.0002" THICK).
183	GRIT BLAST CLEAN SURFACES SPECIFIED FOR PAINTING WITH 120 MESH ALUMINUM OXIDE GRIT AT 60-90 PSI, THEN SOLVENT CLEAN USING MIL-C-38736, P6174, OR FMS-2004 CLEANER.
184	CLEAN, NICKEL STRIKE AND SILVER STRIKE SPECIFIED SURFACES PER AMS 2410.
185	CLEAN, NICKEL STRIKE, SILVER STRIKE AND SILVER PLATE SPECIFIED SURFACES PER AMS 2410 TO THE THICKNESS OR DIMENSIONS SPECIFIED.
186	CLEAN AND CHROMIUM PLATE SPECIFIED SURFACES PER FPS-3036, TO THE THICKNESS SPECIFIED ON THE DRAWING.
187	PREPARE SURFACES AND FLUORIDE-PHOSPHATE TREAT SPECIFIED SURFACES PER FPS-0116 (FOR TITANIUM).
188	PREPARE ALL SURFACES AND NICKEL SULFAMATE PLATE PER MIL-P-27418, 0.0020" +/- 0.0003" THICK. WHILE WET, CADMIUM PLATE ALL SURFACES PER QQ-P-416, TYPE II, CLASS 2.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
189	REMOVAL OF PEEL PLY FROM GRAPHITE COMPOSITE LAMINATES. NOTES: (1) REMOVAL OF PEEL PLY FROM SURFACE SHALL BE VERIFIED BY QUALITY CONTROL STAMP ON SOIR. (2) SURFACES WHICH HAVE HAD THE PEEL PLY REMOVED SHALL BE PROTECTED FROM CONTAMINATION. (3) CLEAN STARCH FREE, COTTON OR NYLON GLOVES SHALL BE WORN DURING THE PEELING OPERATION. (4) IF THE SURFACE OF THE LAMINATE HAS BEEN CONTAMINATED AFTER THE PEEL PLY HAS BEEN REMOVED, THEN THE SURFACE SHALL BE SOLVENT CLEANED PER 135, SANDED WITH 280 OR FINER GRIT WET OR DRY SANDPAPER, SOLVENT CLEAN PER 135 AND WIPE DRY, THEN TACK-RAG TO REMOVE LINT. A) LOCATE PLY DIRECTION OF TOP LAYER OF COMPOSITE SKIN. B) MAKE A CUT APPROXIMATELY 1" LONG THRU PEEL PLY USING A SHARP LEWIS OR EXACTO KNIFE HOLDING THE KNIFE AT A 45 DEGREE ANGLE ALONG THE PLY DIRECTION WHILE MAKING THE CUT. DO NOT USE ENOUGH PRESSURE ON KNIFE TO CUT COMPOSITE SKIN. C) THEN INSERT THE EDGE OF A SHARP LINOLEUM KNIFE UNDER THE CUT MADE IN THE PEEL PLY. USE AN UPWARD MOTION TO PULL THE PEEL PLY LOOSE. CONTINUE PULLING UNTIL A SECTION LARGE ENOUGH TO GRASP WITH THE FINGERS IS PEELED UP. D) REMOVE PEEL PLY FROM THE COMPOSITE SKIN BY PULLING PARALLEL TO THE FIBER ORIENTATION WITH AN UPWARD MOTION AND TOWARD THE EDGE(S) OF THE LAMINATE.
201	APPLY ONE COAT OF FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER TO ALL SURFACES. THE PRIMER COATING MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL WHEN THE ENTIRE LENGTH OF FAYING SURFACE OVERLAPS IS REQUIRED FOR ELECTRICAL BONDING. THE EQUIVALENT THICKNESS OF TWO COATS OF PRIMER IS PERMISSIBLE ON THOSE AREAS THAT ARE COVERED WITH TOPCOAT.
202	APPLY ONE COAT OF FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER TO SPECIFIED SURFACE. THE PRIMER COATING MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL WHEN THE ENTIRE LENGTH OF FAYING SURFACE OVERLAPS IS REQUIRED FOR ELECTRICAL BONDING. THE EQUIVALENT THICKNESS OF TWO COATS OF PRIMER IS PERMISSIBLE ON THOSE AREAS THAT ARE COVERED WITH TOPCOAT.

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Basic Element	Basic Element Step(s)
203	APPLY ONE COAT OF FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER TO TUBING EXTERIOR SURFACE ONLY. PRIME THE ENTIRE LENGTH EXCEPT MASK OFF FROM AN END REQUIRED TO RECEIVE A "PERMASWAGE", "DYNATUBE", C20887, OR C20963 FITTING (NOT FOR USE WITH C7551 FITTINGS). THE MASKED-OFF DISTANCE IS 0.50 +/- 0.25 INCHES BEYOND THE TUBE INSERTION MARK (0.50 +/- 0.25 INCHES BEYOND THE VERIFICATION MARK FOR C20963 FITTINGS). NOTES: (1) THE PRIMER IS NOT TO COVER ANY OF THE TUBE INSERTION MARK. (2) IF THE TUBE INSERTION MARK IS NOT APPLIED PRIOR TO APPLICATION OF PRIMER, MASK OFF 3 +/- 0.25 INCHES FROM AN END REQUIRED TO RECEIVE A "PERMASWAGE", "DYNATUBE", C20887, OR C20963 FITTING (NOT FOR USE WITH C7551 END FITTINGS).
204	APPLY TWO COATS OF FMS-3027, MIL-PRF-23377 OR MIL-PRF-85582 PRIMER TO ALL SURFACES. THE PRIMER COATING MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL WHEN THE ENTIRE LENGTH OF FAYING SURFACE OVERLAPS IS REQUIRED FOR ELECTRICAL BONDING.
205	APPLY TWO COATS OF FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER TO SPECIFIED SURFACE. THE PRIMER COATING MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL WHEN THE ENTIRE LENGTH OF FAYING SURFACE OVERLAPS IS REQUIRED FOR ELECTRICAL BONDING.
206	INSTALL WITH WET TT-P-1757 ZINC CHROMATE PRIMER, MIL-PRF-23377 EPOXY PRIMER, OR MIL-PRF-85582 WATER-BORNE PRIMER. (FOR INSTALLING PRESS AND SLIP FIT PARTS, I.E., BEARING BUSHINGS).
207	APPLY FMS-3101 CLASS II OR III SOLID FILM LUBRICANT TO SURFACES NOTED, PER FPS-3006. USE ONLY LUBRICANTS LISTED ON FQML-3101.
208	COAT ALL SURFACES WITH MIL-C-16173, GRADE 1, CORROSION PREVENTIVE COMPOUND.
209	COAT ALL SURFACES WITH MIL-C-16173, GRADE 3, CORROSION PREVENTIVE COMPOUND.
210	COAT ALL SURFACES WITH MIL-C-16173, GRADE 4, CORROSION PREVENTIVE COMPOUND (PROTECTED STORAGE REQ'D).
211	APPLY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, GRAY, COLOR 36231, ON SPECIFIED SURFACE.
212	APPLY ONE COAT MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, GRAY, COLOR 36231, TO PRIMED AREA OF TUBING.

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Basic Element	Basic Element Step(s)
213	APPLY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, BLACK, COLOR 37038, ON SPECIFIED SURFACE.
214	APPLY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, BLACK, COLOR 37038, TO PRIMED AREA OF TUBING.
215	APPLY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, RED, COLOR 11136, ON SPECIFIED SURFACE.
216	APPLY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, ORANGE-YELLOW, COLOR 13538, ON SPECIFIED SURFACE.
217	APPLY ONE COAT OF P6096-2 FLAT BLACK URETHANE PAINT, COLOR 37038, ON SPECIFIED SURFACES.
218	PAINT WITH MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, ALTERNATELY STRIPED BLACK AND ORANGE-YELLOW, COLORS 37038 AND 13538, OF THE WIDTHS AND ANGLE SPECIFIED ON THE DRAWING.
219	APPLY AMS-C-27725, TYPE 1 OR 2, FUEL TANK COATING ON EXTERIOR SURFACE ONLY OF TUBING ASSEMBLIES PER FPS-1004, EXCEPT MASK OFF FROM AN END REQUIRED TO RECEIVE A "PERMASWAGE" OR "DYNATUBE" FITTING (NOT FOR USE WITH C7551 END FITTINGS). THE MASKED-OFF DISTANCE IS 1 INCH BEYOND THE TUBE INSERTION MARK. NOTES: (1) THE FUEL TANK COATING IS NOT TO COVER ANY OF THE TUBE INSERTION MARK. (2) IF THE TUBE INSERTION MARK IS NOT APPLIED PRIOR TO APPLICATION OF FUEL TANK COATING, MASK OFF 3 +/- 0.25 INCHES FROM AN END REQUIRED TO RECEIVE A "PERMASWAGE" OR "DYNATUBE" FITTING (NOT FOR USE WITH C7551 END FITTINGS).
220	APPLY AMS-C-27725, TYPE 1 OR 2, FUEL TANK COATING ON ALL SURFACES PER FPS-1004.
221	APPLY AMS-C-27725, TYPE 1 OR 2, FUEL TANK COATING ON SPECIFIED SURFACES PER FPS-1004. (IT IS PERMISSIBLE FOR THE FUEL TANK COATING TO BE USED IN LIEU OF THE PRIMER COATING(S) IF NOT TOP COATED OR AS A PRECOAT PRIOR TO THE APPLICATION OF FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER IN COMPARTMENTS. REACTIVATION OF CURED AMS-C-27725 COATING PRIOR TO OVERCOATING WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER IS THE SAME AS FOR CURED FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 EPOXY PRIMER. REFERENCE FPS-3001, PARAGRAPHS 3.2.2 AND 3.4.2 FOR DETAILS.)

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
222	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, WHITE COLOR 17875 OR 17925, ON SPECIFIED SURFACES.
223	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, WHITE COLOR 17875 OR 17925, ON ALL SURFACES.
224	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, WHITE COLOR 17875 OR 17925, TO PRIMED AREA OF TUBING.
225	APPLY ONE COAT OF ELEMENT 202 PRIMER AND TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING OF COLORS SPECIFIED ON 16N0001 AFTER ASSEMBLY.
226	APPLY MIL-C-83231 RAIN EROSION PROTECTION COATING TO AREAS SPECIFIED ON 16N0001.
227	APPLY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, GRAY, COLOR 36231, ON ALL SURFACES.
228	APPLY FMS-3101 CLASS II OR III SOLID FILM LUBRICANT TO SURFACES NOTED, PER FPS-3006.
229	APPLY ONE COAT OF MIL-C-81751 COATING TO ALL SURFACES.
230	APPLY MIL-L-23398 SOLID FILM LUBRICANT (SPRAY-ON AIR DRY TYPE), OR FMS-3101 CLASS IV SOLID FILM LUBRICANT, TO SPECIFIED SURFACES. COATING THICKNESS SHOULD BE JUST SUFFICIENT TO PRODUCE A SMOOTH, ADHERENT, AND UNIFORM COATING FREE FROM BLISTERS AND EXCESSIVE BUILDUP. COATING THICKNESS SHALL BE SUCH THAT IT WILL NOT CAUSE INTERFERENCE IN A SLIP FIT. FOR EXTERNAL THREAD APPLICATIONS. INSPECTION MAY BE BY HAND APPLICATION AND REMOVAL OF A STANDARD NON-SELF LOCKING NUT WITH COMPARABLE TYPE THREADS.
231	INSTALL WITH WET FMS-1044, TYPE V, SEALANT PER FPS-1003. (NON-FUEL AREA).
232	INSTALL WITH WET FMS-1044, TYPE V, SEALANT PER FPS-1004. (FUEL AREA).
233	APPLY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, FLAT WHITE, COLOR 37875, ON SPECIFIED SURFACES.
234	APPLY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, BLACK, COLOR 37038, ON ALL SURFACES.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
235	RESTORE CORROSION PROTECTION BY BRUSH CHEMICAL FILM METHODS PER MIL-C-5541 ON EDGES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. SINCE SEALANT OR AERODYNAMIC SMOOTHER IS SPECIFIED BY THE DRAWING FOR THESE AREAS, PRIME OR PAINT WILL BE APPLIED AFTER ASSEMBLY PER 16N0001. FINISH HOLES (INCLUDING COUNTERSINKS) FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS PER INTERIOR SIDE FINISHING REQUIREMENTS OR PER 236 IF OPPOSITE SIDE IS A NON-FUEL AREA.
236	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL, AND TO HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH TWO COATS OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER.
237	RESTORE CORROSION PROTECTION TO EDGES OR SURFACE OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSY. LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF WHITE URETHANE COATING, COLOR 17875 OR 17925, PER MIL-C-83286 OR MIL-C-85285. FINISH HOLES (IN-CLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 236.
238	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF PAINT PER MIL-C-22750, MIL-C-83286, OR MIL-C-85285, GRAY, COLOR 36231.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
239	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF PAINT PER MIL-C-22750, MIL-C-83286, OR MIL-C-85285, BLACK, COLOR 37038.
240	RESTORE CORROSION PROTECTION FINISH TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL (UNLESS THESE HEADS ARE COVERED WITH SEALANT), AND TO HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA 3.1.1.(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH AMS-C-27725, TYPE 1 OR 2, URETHANE FUEL TANK COATING PER FPS-1004 OR EPOXY-AMINE PRIMER PER FMS-1058-1.
241	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF P6096-2 NONREFLECTIVE BLACK COATING.
242	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER.
243	RESTORE CORROSION PROTECTION FINISH TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF PAINT PER MIL-C-22750, MIL-C-83286, OR MIL-C-85285, ORANGE-YELLOW, COLOR 13538.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
244	RESTORE CORROSION PROTECTION FINISH TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY THE REQUIRED BLACK OR ORANGE-YELLOW PAINT, COLORS 37038 AND 13538, PER MIL-C-22750, MIL-C-83286, OR MIL-C-85285, AS APPLICABLE.
245	THE SECOND COAT OF PRIMER MAY BE DELAYED TO SUBSEQUENT ASSEMBLY LEVEL PROVIDED ALL SURFACES EXCEPT FAYING SURFACES ARE ACCESSIBLE. (EXAMPLE: THE UNDERSIDE OF A HAT SECTION AFTER ASSEMBLY WOULD NOT BE ACCESSIBLE AND THUS MUST BE GIVEN TWO COATS OF PRIMER PRIOR TO ASSEMBLY).
246	RESTORE CORROSION PROTECTION BY BRUSH CHEMICAL FILM METHODS PER MIL-C-5541 ON EDGES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. SINCE SEALANT OR AERODYNAMIC SMOOTHER IS SPECIFIED BY THE DRAWING FOR THESE AREAS, PRIME OR PAINT WILL BE APPLIED AFTER ASSEMBLY PER 16N0005. FINISH HOLES (INCLUDING COUNTERSINKS) FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS PER INTERIOR SIDE FINISHING REQUIREMENTS OR PER 236 IF OPPOSITE SIDE IS A NON-FUEL AREA.
250	COAT SPECIFIED SURFACES WITH MIL-C-16173, GRADE 4, CORROSION PREVENTIVE COMPOUND.
251	APPLY ONE COAT OF ELEMENT 202 PRIMER AND TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING OF COLORS SPECIFIED ON 16N0003.
252	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, BLACK, COLOR 37038, ON SPECIFIED SURFACES.
253	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, LIGHT GRAY, COLOR 36375, ON ALL SURFACES.
254	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, LIGHT GRAY, COLOR 36375, ON SPECIFIED SURFACES.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
255	RESTORE CORROSION PROTECTION FINISH TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 LIGHT GRAY URETHANE COATING, COLOR 36375. FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 236.
256	RESTORE CORROSION PROTECTION FINISH TO EDGES OR SURFACES OF PLASTIC PARTS TRIMMED OR ABRAIDED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF WHITE URETHANE COATING, COLOR 17875 OR 17925, PER MIL-C-83286 OR MIL-C-85285.
257	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, DARK GRAY, COLOR 36320, ON SPECIFIED SURFACES.
258	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 DARK GRAY URETHANE COATING, COLOR 36320. FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 236.
259	APPLY TWO COATS OF FMS-1027, TYPE 5, TEFLON-URETHANE COATING DARK GRAY, COLOR 36320, ON SPECIFIED SURFACES PER FPS-0004.
260	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF FMS-1027, TYPE 5, TEFLON-URETHANE COATING DARK GRAY, COLOR 36320.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
261	APPLY TWO COATS OF FMS-1027, TYPE 5, TEFLON-URETHANE COATING LIGHT GRAY, COLOR 36375, ON SPECIFIED SURFACES PER FPS-0004.
262	RESTORE CORROSION PROTECTION TO EDGE OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF FMS-1027, TYPE 5, TEFLON-URETHANE COATING, LIGHT GRAY, COLOR 36375, PER FPS-0004.
263	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, DARK GRAY, COLOR 36320, ON ALL SURFACES.
266	APPLY ONE COAT OF P6096-2 OPTICAL NON-REFLECTIVE COATING, BLACK, COLOR 37038, ON ALL SURFACES.
267	APPLY TWO COATS OF FMS-1027, TYPE 5, TEFLON-URETHANE COATING, DARK GRAY, COLOR 36320, ON ALL SURFACES PER FPS-0004.
269	DELETED - DUPLICATE OF 215.
270	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF BLACK URETHANE COATING, COLOR 37038, PER MIL-C-83286 OR MIL-C-85285. FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 236.
271	APPLY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, ORANGE-YELLOW, COLOR 13538, ON ALL SURFACES.
272	APPLY ONE COAT OF FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER TO EXTERIOR SURFACE TO END OF TUBES WITH BEADED ENDS OR TO BASE OF SLEEVE ON TUBES WITH FLARED ENDS.
273	APPLY AMS-C-27725, TYPE 1 OR 2, FUEL TANK COATING ON EXTERIOR SURFACE TO BASE OF SLEEVE ON TUBES WITH FLARED ENDS.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
274	THE APPLICATION OF WHITE PAINT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF WHITE PAINT IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736* OR FMS-2004), SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCHBRITE", RE-WIPED WITH SOLVENT CLEANER, THEN MIST COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER, FOLLOWED BY TWO COATS OF URETHANE, WHITE COLOR 17875 OR 17925, PER MIL-C-83286 OR MIL-C-85285 APPLIED TO ALL EXPOSED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
275	APPLY ONE COAT OF MIL-L-19537 OR MIL-L-81352 CLEAR ACRYLIC LACQUER TO LETTERED FACE OF NAME PLATES AFTER INSTALLATION.
276	THE APPLICATION OF LIGHT GRAY URETHANE PAINT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF LIGHT GRAY URETHANE PAINT IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736* OR FMS-2004), SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCHBRITE", REWIPED WITH SOLVENT CLEANER, THEN MIST COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER, FOLLOWED BY TWO COATS OF LIGHT GRAY URETHANE COATING, COLOR 36375, APPLIED TO ALL EXPOSED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
277	THE APPLICATION OF DARK GRAY URETHANE PAINT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF DARK GRAY URETHANE PAINT IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736* OR FMS-2004), SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCHBRITE", RE-WIPED WITH SOLVENT, THEN MIST COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER, FOLLOWED BY TWO COATS OF DARK GRAY URETHANE COATING, COLOR 36320, APPLIED TO ALL EXPOSED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
278	APPLY ONE COAT OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, LUSTERLESS GRAY, COLOR 36231, ON ALL SURFACES.
279	APPLY ONE COAT OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, LUSTERLESS BLACK, COLOR 37038, ON ALL SURFACES.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
280	THE APPLICATION OF LUSTERLESS GRAY URETHANE PAINT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF LUSTERLESS GRAY URETHANE PAINT IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736*OR FMS-2004), SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCH-BRITE", RE-WIPED WITH SOLVENT CLEANER, THEN MIST COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER, FOLLOWED BY ONE COAT OF LUSTERLESS GRAY URETHANE COATING, COLOR 36231, PER MIL-C-83286 OR MIL-C-85285, APPLIED TO ALL CREW COMPARTMENT EXPOSED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
281	THE APPLICATION OF LUSTERLESS BLACK URETHANE PAINT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF LUSTERLESS BLACK URETHANE PAINT IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736*OR FMS-2004), SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCH-BRITE", RE-WIPED WITH SOLVENT CLEANER, THEN MIST COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER, FOLLOWED BY ONE COAT OF LUSTERLESS BLACK URETHANE COATING COLOR 37038, PER MIL-C-83286 OR MIL-C-85285, APPLIED TO ALL CREW COMPARTMENT EXPOSED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
282	APPLY ONE COAT OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, LUSTERLESS GRAY, COLOR 36231, ON SPECIFIED SURFACES.
283	APPLY ONE COAT OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, LUSTERLESS BLACK, COLOR 37038, ON SPECIFIED SURFACES.
284	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF LUSTERLESS GRAY URETHANE COATING, COLOR 36231, PER MIL-C-83286 OR MIL-C-85285. FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 236.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
285	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF LUSTERLESS BLACK URETHANE COATING, COLOR 37038, PER MIL-C-83286 OR MIL-C-85285. FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 236.
286	THE APPLICATION OF P6096-2 FLAT BLACK URETHANE PAINT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF P6096-2 FLAT BLACK URETHANE PAINT IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736* OR FMS-2004), SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCHBRITE", RE-WIPED WITH SOLVENT CLEANER, THEN MIST COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER, FOLLOWED BY ONE COAT OF P6096-2 FLAT BLACK URETHANE COATING APPLIED TO ALL CREW COMPARTMENT EXPOSED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
287	THE APPLICATION OF LIGHT GRAY TEFLON-URETHANE PAINT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF LIGHT GRAY TEFLON-URETHANE PAINT IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736* OR FMS-2004), SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCHBRITE", RE-WIPED WITH SOLVENT CLEANER, THEN MIST COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER, FOLLOWED BY TWO COATS OF LIGHT GRAY TEFLON-URETHANE COATING, COLOR 36375, APPLIED TO ALL EXPOSED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
288	THE APPLICATION OF DARK GRAY TEFLON-URETHANE PAINT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF DARK GRAY TEFLON-URETHANE PAINT IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736*OR FMS-2004), SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCH-BRITE", RE-WIPED WITH SOLVENT CLEANER, THEN MIST COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER, FOLLOWED BY TWO COATS OF DARK GRAY TEFLON-URETHANE COATING. COLOR 36320, APPLIED TO ALL EXPOSED SURFACES. NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
289	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, GRAY COLOR 36270, ON ALL SURFACES.
290	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, GRAY COLOR 36270, ON SPECIFIED SURFACES.
291	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF GRAY URETHANE COATING COLOR 36270, PER MIL-C-83286 OR MIL-C-85285. FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 236.
292	THE APPLICATION OF GRAY COLOR 36270 URETHANE PAINT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF GRAY COLOR 36270 URETHANE PAINT IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736*OR FMS-2004), SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCH-BRITE", RE-WIPED WITH SOLVENT CLEANER, THEN MIST COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER, FOLLOWED BY TWO COATS OF GRAY COLOR 36270 URETHANE COATING PER MIL-C-83286 OR MIL-C-85285 APPLIED TO ALL EXPOSED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
293	APPLY TWO COATS OF MIL-L-81352 ACRYLIC LACQUER, OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, WHITE COLOR 17875 OR 17925, ON ALL SURFACES.
294	APPLY TWO COATS OF MIL-L-81352 ACRYLIC LACQUER OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, WHITE COLOR 17875 OR 17925, ON SPECIFIED SURFACES.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
295	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUM. PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED & BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSY. LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-L-81352 WHITE ACRYLIC LACQUER OR MIL-C-83286 OR MIL-C-85285 WHITE URETHANE COATING, COLOR 17875 OR 17925, (WHICHEVER WAS PREVIOUSLY APPLIED). FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 236.
296	THE APPLICATION OF WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF WHITE ACRYLIC LACQUER OR WHITE URETHANE COATING IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736* OR FMS-2004), OR WITH TT-I-735 ISOPROPYL ALCOHOL IF ADJACENT TO ACRYLIC COATED PARTS, SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCHBRITE", RE-WIPED WITH SOLVENT CLEANER, THEN MIST COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER, FOLLOWED BY TWO COATS OF MIL-L-81352 WHITE ACRYLIC LACQUER OR TWO COATS OF MIL-C-83286 OR MIL-C-85285 WHITE URETHANE COATING, COLOR 17875 OR 17925, APPLIED TO ALL EXPOSED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
297	WITH DOOR AND HINGE ASSEMBLED (MINUS LATCH) AND THE SUB-ASSEMBLY IN THE CLOSED POSITION, CLEAN AND PREPARE EXPOSED INTERIOR SURFACES PER PARA. 3.7.18 OF FPS-3001.
298	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF URETHANE OR TEFLON-URETHANE COATING OF THE COLOR SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DWG. FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 236.
299	APPLY TWO COATS OF MIL-L-81352 ACRYLIC LACQUER OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, WHITE COLOR 17875 OR 17925, TO PRIMED AREA OF TUBING.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
300	CORROSION INHIBITIVE ADHESIVE PRIMER, FMS-3018, FORM II, MAY BE APPLIED TO ALL SURFACES OF ALUMINUM DETAILS OF A BONDED ASSEMBLY AND PROCESSED IN ACCORDANCE WITH FPS-3016.
301	APPLY TWO COATS OF FMS-1027, TYPE 5, TEFLON URETHANE COATING MEDIUM GRAY COLOR 36270 ON ALL SURFACES.
302	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF FMS-1027,TYPE 5, TEFLON URETHANE COATING, MEDIUM GRAY, COLOR 36270 PER FPS-0004.
303	APPLY TWO COATS OF MIL-L-81352 LUSTERLESS RED ACRYLIC LACQUER COLOR 31136 TO SPECIFIED SURFACES.
304	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. BRUSH CHEMICAL FILM PER MIL-C-5541, AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF LUSTERLESS RED ACRYLIC LACQUER PER MIL-L-81352 COLOR 31136.
305	APPLY FMS-1082 SOLID FILM LUBRICANT TO ALL SURFACES PER FPS-1037.
306	APPLY ONE COAT OF MIL-C-8514 WASH PRIMER TO SPECIFIED SURFACES.
307	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NON-CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.4 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER.
308	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NON-CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.4 AND TOUCH UP WITH TWO COATS OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
309	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NON-CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.4. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582,OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, GRAY, COLOR 36231.
310	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NON-CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.4. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582,OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C C-83286 OR MIL-C-85285 URETHANE COATING, BLACK, COLOR 37038.
311	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NON-CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.4. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, BLACK OR ORANGE YELLOW, COLORS 37038 & 13538 (WHICHEVER WAS PREVIOUSLY APPLIED).
312	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NON-CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.4. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582,OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 WHITE URETHANE COATING, COLOR 17875 OR 17925.
313	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NON-CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.4. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582,OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 DARK GRAY URETHANE COATING, COLOR 36320.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
314	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NON-CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.4. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582,OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-83286 OR MIL-C-85285 LUSTER-LESS BLACK URETHANE COATING, COLOR 37038.
315	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NON-CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR SURFACES TREATED WITH SOLID FILM LUBRICANT, CLEAN PER FPS-3001, PARA. 3.1.4 AND APPLY MIL-L-23398 LUBRICANT (SPRAY-ON TYPE), OR FMS-3101 CLASS IV LUBRICANT, TO SPECIFIED SURFACES. COATING THICKNESS SHOULD BE JUST SUFFICIENT TO PRODUCE A SMOOTH, ADHERENT, AND UNIFORM COATING FREE FROM BLISTERS AND EXCESSIVE BUILDUP. COATING THICKNESS SHALL BE SUCH THAT IT WILL NOT CAUSE INTERFERENCE IN A SLIP FIT. FOR EXTERNAL THREAD APPLICATIONS. INSPECTION MAY BE BY HAND APPLICATION AND REMOVAL OF A STANDARD NON-SELF LOCKING NUT WITH COMPARABLE TYPE THREADS.
316	APPLY ONE COAT OF MIL-C-8514 WASH PRIMER TO ALL SURFACES.
317	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF COPPER ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.5. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, BLACK, COLOR 37038.
318	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NICKEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.6. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, GRAY, COLOR 36231.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
319	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NICKEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.6. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, RED, COLOR 11136.
320	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NICKEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR SURFACES TREATED WITH SOLID FILM LUBRICANT CLEAN PER FPS-3001, PARA. 3.1.6 AND APPLY MIL-L-23398 LUBRICANT (SPRAY-ON TYPE), OR FMS-3101 CLASS IV LUBRICANT, TO SPECIFIED SURFACES. COATING THICKNESS SHOULD BE JUST SUFFICIENT TO PRODUCE A SMOOTH, ADHERENT, AND UNIFORM COATING FREE FROM BLISTERS AND EXCESSIVE BUILDUP. COATING THICKNESS SHALL BE SUCH THAT IT WILL NOT CAUSE INTERFERENCE IN A SLIP FIT. FOR EXTERNAL THREAD APPLICATIONS, INSPECTION MAY BE BY HAND APPLICATION AND REMOVAL OF A STANDARD NON-SELF LOCKING NUT WITH COMPARABLE TYPE THREADS.
321	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A) AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER.
322	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, GRAY, COLOR 36231.
323	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR C-83286 OR MIL-C-85285 URETHANE COATING, BLACK, COLOR 37038.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
324	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 WHITE URETHANE COATING, COLOR 17875 OR 17925.
325	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH AMS-C-27725, TYPE 1 OR 2, FUEL TANK COATING.
326	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A) AND TOUCH UP WITH FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 WHITE URETHANE COATING, COLOR 17875 OR 17925 OR TWO COATS OF URETHANE OR TEFLON-URETHANE COATING OF THE COLOR SPECIFIED ON THE APPLICABLE 16N0001 AIRCRAFT PAINTING DRAWING (WHICHEVER WAS PREVIOUSLY APPLIED).
327	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 DARK GRAY URETHANE COATING, COLOR 36320 (IF PREVIOUSLY APPLIED).
328	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, FLAT WHITE, COLOR 37875.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
329	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF URETHANE OR TEFLON-URETHANE COATING OF THE COLOR SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DWG.
330	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF P6096-2 OPTICAL NON-REFLECTIVE BLACK COATING, COLOR 37038.
331	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, BLACK OR ORANGE-YELLOW, COLORS 37038 & 13538 (WHICHEVER WAS PREVIOUSLY APPLIED).
332	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, ORANGE-YELLOW, COLOR 13538.
333	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 DARK GRAY URETHANE COATING, COLOR 36320.

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Basic Element	Basic Element Step(s)
334	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF URETHANE OR TEFLON-URETHANE COATING OF THE COLOR SPECIFIED ON THE APPLICABLE 16N0001 AIRCRAFT PAINTING DWG (WHICHEVER WAS PREVIOUSLY APPLIED).
335	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-83286 OR MIL-C-85285 LUSTER-LESS BLACK URETHANE COATING, COLOR 37038.
336	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-83286 OR MIL-C-85285 LUSTER-LESS GRAY URETHANE COATING, COLOR 36231.
337	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-83286 OR MIL-C-85285 LUSTER-LESS GRAY URETHANE COATING, COLOR 36231 (IF PREVIOUSLY APPLIED).
338	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-L-81352 WHITE ACRYLIC LACQUER OR MIL-C-83286 OR MIL-C-85285 WHITE URETHANE COATING, COLOR 17875 OR 17925, (WHICHEVER WAS PREVIOUSLY APPLIED).

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
339	RESTORE CORROSION PROTECTION TO EDGES & SURFACES (E.G., HOLES COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 DARK GRAY URETHANE COATING, COLOR 36320 OR TWO COATS OF URETHANE OR TEFLON-URETHANE COATING OF THE COLOR SPECIFIED ON THE APPLICABLE 16N0001 AIRCRAFT PAINTING DRAWING (WHICHEVER WAS PREVIOUSLY APPLIED).
340	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES TREATED WITH SOLID FILM LUBRICANT, CLEAN PER FPS-3001, PARA. 3.1.3(A) AND APPLY MIL-L-23398 LUBRICANT (SPRAY-ON TYPE), OR FMS-3101 CLASS IV LUBRICANT, TO SPECIFIED SURFACES. COATING THICKNESS SHOULD BE JUST SUFFICIENT TO PRODUCE A SMOOTH, ADHERENT, AND UNIFORM COATING FREE FROM BLISTERS AND EXCESSIVE BUILDUP. COATING THICKNESS SHALL BE SUCH THAT IT WILL NOT CAUSE INTERFERENCE IN A SLIP FIT. FOR EXTERNAL THREAD APPLICATIONS, INSPECTION MAY BE BY HAND APPLICATION AND REMOVAL OF A STANDARD NON-SELF LOCKING NUT WITH COMPARABLE TYPE THREADS.
341	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF TITANIUM ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.2. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 WHITE URETHANE COATING, COLOR 17875 OR 17925.
342	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF TITANIUM ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, 3.1.2. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582,OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF URETHANE OR TEFLON-URETHANE COATING OF THE COLOR SPECIFIED ON THE APPLICABLE 16N0001 AIRCRAFT PAINTING DWG (IF APPLICABLE).

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
343	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF TITANIUM ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.2. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER.
344	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF TITANIUM ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR SURFACES TREATED WITH SOLID FILM LUBRICANT, CLEAN PER FPS-3001, PARA. 3.1.2 AND APPLY MIL-L-23398 LUBRICANT (SPRAY-ON TYPE), OR FMS-3101 CLASS IV LUBRICANT, TO SPECIFIED SURFACES. COATING THICKNESS SHOULD BE JUST SUFFICIENT TO PRODUCE A SMOOTH, ADHERENT, AND UNIFORM COATING FREE FROM BLISTERS AND EXCESSIVE BUILDUP. COATING THICKNESS SHALL BE SUCH THAT IT WILL NOT CAUSE INTERFERENCE IN A SLIP FIT. FOR EXTERNAL THREAD APPLICATIONS, INSPECTION MAY BE BY HAND APPLICATION AND REMOVAL OF A STANDARD NON-SELF LOCKING NUT WITH COMPARABLE TYPE THREADS.
345	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NON-CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.4. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582,OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF URETHANE OR TEFLON-URETHANE COATING OF THE COLOR SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DWG. (WHICHEVER WAS PREVIOUSLY APPLIED).
348	RESTORE CORROSION PROTECTION TO EDGES & SURFACES(E.G., HOLES COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 LIGHT GRAY URETHANE COATING, COLOR 36375 OR TWO COATS OF URETHANE OR TEFLON-URETHANE COATING OF THE COLOR SPECIFIED ON THE APPLICABLE 16N0001 AIRCRAFT PAINTING DRAWING (WHICHEVER WAS PREVIOUSLY APPLIED).

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
349	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF FMS-1027, TYPE 5, TEFLON URETHANE COATING MEDIUM GRAY COLOR 36270.
350	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF FMS-1027, TYPE 4, TEFLON-URETHANE COATING, WHITE COLOR, PER FPS-0004.
351	APPLY TWO COATS OF FMS-1027, TYPE 4, TEFLON URETHANE COATING WHITE COLOR, ON SPECIFIED SURFACES PER FPS-0004.
352	APPLY TWO COATS OF FMS-1027, TYPE 4, TEFLON URETHANE COATING WHITE COLOR, ON ALL SURFACES PER FPS-0004.
353	RESTORE CORROSION PROTECTION TO EDGES & SURFACES (E.G., HOLES COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 LIGHT GRAY URETHANE COATING, COLOR 36270 OR TWO COATS OF URETHANE OR TEFLON-URETHANE COATING OF THE COLOR SPECIFIED ON THE APPLICABLE 16N0001 AIRCRAFT PAINTING (WHICHEVER WAS PREVIOUSLY APPLIED).
354	APPLY TWO COATS OF FMS-1027, TYPE 5, TEFLON URETHANE COATING MEDIUM GRAY, COLOR 36270, ON SPECIFIED SURFACES.
355	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541, CLASS 3 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF FMS-1027, TYPE 5, TEFLON URETHANE COATING, MEDIUM GRAY, COLOR 36270 PER FPS-0004 (IF PREVIOUSLY APPLIED).

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
356	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541.
357	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, FLAT WHITE, COLOR 37875.
358	WIPE CLEAN WITH SOLVENT SUCH AS METHYL ETHYL KETONE OR MIL-C-38736 CLEANER. WIPE DRY.
359	CLEAN SURFACES SPECIFIED TO BE COATED WITH P6194-1 BY LIGHT SANDING WITH 320 GRIT OR FINER ABRASIVE PAPER.
360	APPLY P6194-1 COATING (0.015" +/- 0.005" THICK) TO SPECIFIED AREAS AND ALLOW TO CURE 24 HOURS.
361	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF ALUMINUM ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 WHITE URETHANE COATING, COLOR 17875 OR 17925.
362	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF ALUMINUM ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR SURFACES TREATED WITH SOLID FILM LUBRICANT, CLEAN PER FPS-3001, PARA. 3.1.1(A). AND APPLY MIL-L-23398 LUBRICANT (SPRAY-ON TYPE), OR FMS-3101 CLASS IV LUBRICANT, TO SPECIFIED SURFACES. COATING THICKNESS SHOULD BE JUST SUFFICIENT TO PRODUCE A SMOOTH, ADHERENT, AND UNIFORM COATING FREE FROM BLISTERS AND EXCESSIVE BUILDUP. COATING THICKNESS SHALL BE SUCH THAT IT WILL NOT CAUSE INTERFERENCE IN A SLIP FIT. FOR EXTERNAL THREAD APPLICATIONS, INSPECTION MAY BE BY HAND APPLICATION AND REMOVAL OF A STANDARD NON-SELF LOCKING NUT WITH COMPARABLE TYPE THREADS.

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Basic Element	Basic Element Step(s)
363	CLEAN PER FPS-3001, PER PARA 3.1.4.2 (FOR 180-220 KSI ALLOY STEELS).
364	APPLY FMS-0074 OR FMS-1104 BY BRUSH OR PUTTY KNIFE. SPREAD OVER DESIGNATED AREA WITH TEFLON SCRAPER (FMS-1104 SPREDS EASIER AND MORE UNIFORMLY IF WARMED TO 150 DEGREE FAHRENHEIT MAXIMUM.) WORK MATERIAL INTO POROUS SURFACES WITH TEFLON SCRAPER. ALLOW TO CURE TO SANDABLE CONDITION.
365	LEAK CHECK ASSEMBLY PER FPS-3016, PARA. 8.3.4.
366	PRIME SPECIFIED EXPOSED EXTERIOR SURFACES WITH ONE COAT OF FMS-3035 FLEXIBLE, CORROSION RESISTANT PRIMER.
367	PRIME SPECIFIED SURFACES WITH TWO COATS OF FMS-3035 FLEXIBLE COROSION RESISTANT PRIMER.
368	ELECTROLYTICALLY NICKEL PLATE EXPOSED COPPER AND COPPER ALLOY SURFACES PER QQ-N-290, CLASS I, GRADE E. NOTE: GD/FW APPROVAL OF THE NICKEL PLATING PROCESS FOR COPPER HEAT SINKS IS NOT REQUIRED IF THE PLATING IS APPLIED IN ACCORDANCE WITH QQ-N-290.
369	CLEAN PER FPS-3001, PARAGRAPH 3.1.3, AND CHROME PLATE ALL SURFACES PER QQ-C-320, CLASS 2D. BAKE AFTER PLATING FOR 3 HOURS MINIMUM. ALL SURFACES AND THICKNESSES TO BE 0.0005 TO 0.0020.
370	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, ETC.) OF GRP THAT HAS BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, BUFF WITH 320 (OR FINER) ABRASIVE PAPER & WIPE CLEAN WITH TT-M-261 MEK, FMS-2004, OR MIL-C-38736 (P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER). TOUCH UP WITH ONE COAT OF FMS-3035 FLEXIBLE CORROSION RESISTANT PRIMER FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 WHITE URETHANE COATING; COLOR NO. 17875 (OR COLOR NO. 17925).
371	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NON-CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. CLEAN AND BRUSH CADMIUM PLATE PER FPS-1046, GRADE A, TYPE II, CLASS 2. TOUCH UP WITH AMS-C-27725, TYPE 1 OR 2, URETHANE FUEL TANK COATING PER FPS-1004.

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Basic Element	Basic Element Step(s)
372	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF NON-CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES CLEAN AND BRUSH CADMIUM PLATE PER FPS-1046, GRADE A, TYPE II CLASS 2. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582,OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-L-81352 WHITE ACRYLIC LACQUER OR TWO COATS OF MIL-C-83286 OR MIL-C-85285 WHITE URETHANE COATING, COLOR NO. 17875 (OR COLOR NO. 17925).
373	APPLY FMS-3011 FORM II ADHESIVE PRIMER TO ALL SURFACES. APPLICATION, PRIMER THICKNESS, AND CURE SHALL BE PER FPS-3016.
374	APPLY FMS-3011 FORM II ADHESIVE PRIMER TO SPECIFIED SURFACES APPLICATION, PRIMER THICKNESS, & CURE SHALL BE PER FPS-3016.
375	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS WHICH DO NOT HAVE INSERTS CLEAN PER FPS-3001; PARA 3.1.1(A). BRUSH CHEM FILM PER MIL-C-5541 AND TOUCH UP WITH FMS-3011 FORM II ADHESIVE PRIMER PER FPS-3016.
376	GRIT BLAST SPECIFIED SURFACES PER FPS-3006, CLASS VII (STEPS "A" AND "B" ONLY).
377	GRIT BLAST ALL SURFACES PER FPS-3006, CLASS VII (STEPS "A" AND "B" ONLY FOR 300 SERIES CRES).
378	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, BLUE COLOR 35109, ON SPECIFIED SURFACES.
379	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, BLUE COLOR 35109, ON ALL SURFACES.
380	RESTORE CORROSION PROTECTION TO EDGES OR SURFACE OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSY. LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF BLUE URETHANE COATING, COLOR 35109, PER MIL-C-83286 OR MIL-C-85285. FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 236.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
381	THE APPLICATION OF BLUE PAINT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF BLUE PAINT IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736* OR FMS-2004), SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCHBRITE", RE-WIPED WITH SOLVENT CLEANER, THEN MIST COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER, FOLLOWED BY TWO COATS OF URETHANE, BLUE COLOR 35109, PER MIL-C-83286 OR MIL-C-85285 APPLIED TO ALL EXPOSED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR COPRODUCER USE.)
382	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 BLUE URETHANE COATING, COLOR 35109.
400	APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO ALL SURFACES PER FPS-3035.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
401	TO TOUCH UP SCRATCHES IN THE FMS-3014 FORM 2 ADHESIVE PRIMER SURFACE WHICH WERE INCURRED PRIOR TO THE ELEVATED TEMPERATURE CURE OF FMS-3014 FORM 1 ADHESIVE (SEE FPS-3035 FOR THE ADHESIVE CURE CYCLE), DETERMINE THE LOCATION AND DEPTH OF THE SCRATCH AND PROCEED AS INSTRUCTED BELOW. SCRATCHES IN THE ADHESIVE PRIME SURFACE WHICH DO NOT EXTEND INTO THE ALUMINUM SURFACE SHALL BE REPAIRED AS FOLLOWS: SOLVENT CLEAN THE AREA WITH TT-M-261 MEK, FMS-2004 OR MIL-C-38736 CLEANER AS APPROPRIATE PER FPS-3035*. APPLY A BRUSH COAT OF FMS-3014 FORM 2 ADHESIVE PRIMER TO THE SCRATCHED AREA PER FPS-3035. (NOTE: TOUCH UP IS NOT REQUIRED IF THE SCRATCH IS IN AN AREA WHICH WILL BE SUBSEQUENTLY COVERED WITH FMS-3014 FORM 1 ADHESIVE). SCRATCHES IN THE ADHESIVE PRIMER SURFACE WHICH EXTEND INTO THE ALUMINUM SURFACE SHALL BE REPAIRED AS FOLLOWS: SOLVENT CLEAN THE AREA WITH TT-M-261 MEK, FMS-2004, OR MIL-C-38736 AS APPROPRIATE PER FPS-3035*. BUFF THE SCRATCHED AREA WITH 320 GRIT SANDPAPER OR "SCOTCH-BRITE" AND DRY WIPE. RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL, AND TO HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING (FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS) BY CHEMICAL FILM METHODS PER MIL-C-5541 FOLLOWED BY A COAT OF FMS-3014 FORM 2 ADHESIVE PRIMER APPLIED PER FPS-3035. *NOTE: FOR SCRATCHES INCURRED PRIOR TO THE FPS-3035 ELEVATED TEMPERATURE CURE OF FMS-3014 FORM 2 ADHESIVE PRIMER, WIPE WITH TT-M-261 METHYL ETHYL KETONE. FOR SCRATCH INCURRED AFTER THIS PRIMER CURE CYCLE, WIPE WITH MIL-C-38736 (OR P6174 NON-AROMATIC CLEANER. REFERENCE CR 1345 FOR CO-PRODUCER USE), OR FMS-2004.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
402	TO TOUCH UP SCRATCHES IN THE FMS-3014 FORM 2 ADHESIVE PRIMER SURFACE WHICH WERE INCURRED AFTER THE ELEVATED TEMPERATURE CURE OF FMS-3014 FORM 1 ADHESIVE (SEE FPS-3035 FOR THE ADHESIVE CURE CYCLE), CLEAN THE AREA WITH FMS-2004, MIL-C-38736 CLEANER (OR P6174 NON-AROMATIC CLEANER)*. BUFF THE SCRATCHED AREA WITH 320 GRIT SANDPAPER OR "SCOTCH-BRITE" AND DRY WIPE. IF THE SCRATCH EXTENDS INTO THE ALUMINUM SURFACE, THEN RESTORE CORROSION PROTECTION BY CHEMICAL FILM METHODS PER MIL-C-5541. RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL, AND TO HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING (FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS) BY CHEMICAL FILM METHODS PER MIL-C-5541. FOR FUEL EXPOSED AREAS, APPLY A COAT OF AMS-C-27725 FUEL TANK COATING OR FMS-1058-1 PER FPS-3035. FOR NON-FUEL EXPOSED AREAS, APPLY A COAT OF FMS-1058-1 PER FPS-3035 OR A COAT OF FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE).
403	APPLY FMS-3014 FORM 2 ADHESIVE PRIMER TO SPECIFIED SURFACES PER FPS-3035.
404	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL, AND TO HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING (FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS) BY CHEM FILM METHODS PER MIL-C-5541. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER. FOR PAINTED SURFACES, CLEAN PER FPS-3001; PARA. 3.1.1(A). BUFF THE SCRATCHED AREA WITH 320 GRIT SANDPAPER OR "SCOTCH-BRITE" AND RE-WIPE WITH MIL-C-38736* OR FMS-2004 CLEANER. IF THE SCRATCH EXTENDS INTO THE ANODIZED ALUMINUM SURFACE, THEN RESTORE CORROSION PROTECTION BY CHEM FILM METHODS PER MIL-C-5541. APPLY A MIST-COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, AND SUBSEQUENTLY APPLY TWO COATS OF WHITE URETHANE; COLOR NO. 17875 OR COLOR NO. 17925 PER MIL-C-83286 OR MIL-C-85285. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE).

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
405	FOR AREAS PRIMED ONLY: RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PART TRIMMED AT ASSEMBLY, MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL, AND TO HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING (FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS) BY CHEM FILM METHODS PER MIL-C-5541. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582,OR FMS-1058-1 PRIMER. FOR AREAS PRIMED AND PAINTED WHITE ONLY: FOR PAINTED SURFACES, CLEAN PER FPS-3001, 3.1.1(A). BUFF THE SCRATCHED AREA WITH 320 GRIT SANDPAPER OR "SCOTCH-BRITE" AND RE-WIPE WITH MIL-C-38736*, P6174, OR FMS-2004 CLEANER. IF THE SCRATCH EXTENDS INTO THE ANODIZED ALUMINUM SURFACE, THEN RESTORE CORROSION PROTECTION BY CHEMICAL FILM METHODS PER MIL-C-5541. APPLY A MIST-COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, AND SUBSEQUENTLY APPLY TWO COATS OF MIL-L-81352 WHITE ACRYLIC LACQUER OR MIL-C-83286 OR MIL-C-85285 WHITE URETHANE COATING COLOR NO. 17875 OR COLOR NO. 17925. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE).
406	THE APPLICATION OF WHITE URETHANE COATING SHALL BE AS FOLLOWS: THE CURED FMS-3014 FORM 2 ADHESIVE PRIMED SURFACE SHALL BE SOLVENT CLEANED WITH MIL-C-38736* OR FMS-2004, SCUFFED WITH 320 GRIT SANDPAPER OR "SCOTCHBRITE" TO REMOVE GLOSS, RE-WIPED WITH SOLVENT CLEANER*, AND MIST-COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER. SUBSEQUENTLY, TWO COATS OF WHITE URETHANE COATING (COLOR NO. 17875 OR 17925) SHALL BE APPLIED TO SPECIFIED SURFACES PER MIL-C-83286 OR MIL-C-85285. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE).
407	THE APPLICATION OF WHITE ACRYLIC LACQUER OR WHITE URETHANE SHALL BE AS FOLLOWS: THE CURED FMS-3014 FORM 2 ADHESIVE PRIMED SURFACE SHALL BE SOLVENT CLEANED WITH MIL-C-38736* OR FMS-2004, BUFFED WITH 320 GRIT SANDPAPER OR "SCOTCHBRITE" TO REMOVE GLOSS, RE-WIPED WITH SOLVENT CLEANER,* AND THEN MIST-COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER. SUBSEQUENTLY, TWO COATS OF WHITE ACRYLIC LACQUER OR WHITE URETHANE (COLOR NUMBER 17875 OR 17925) PER MIL-L-81352 OR MIL-C-83286 OR MIL-C-85285 SHALL BE APPLIED TO SPECIFIED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE).

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
408	APPLY FMS-3014 FORM 2 ADHESIVE PRIMER ON EXTERIOR SURFACE ONLY OF TUBING ASSEMBLIES PER FPS-3035, EXCEPT MASK OFF FROM AN END REQUIRED TO RECEIVE A "PERMASWAGE" OR "DYNATUBE" FITTING (NOT FOR USE WITH C7551 END FITTINGS). THE MASKED-OFF DISTANCE IS 1 INCH BEYOND THE TUBE INSERTION MARK. NOTES: (1) THE ADHESIVE PRIMER IS NOT TO COVER ANY OF THE TUBE INSERTION MARK. (2) IF THE TUBE INSERTION MARK IS NOT APPLIED PRIOR TO APPLICATION OF ADHESIVE PRIMER, MASK OFF 3 +/- 0.25 INCHES FROM AN END REQUIRED TO RECEIVE A "PERMASWAGE" OR "DYNATUBE" FITTING (NOT FOR USE WITH C7551 END FITTINGS).
409	APPLY FMS-3014 FORM 2 ADHESIVE PRIMER ON EXTERIOR SURFACE TO BASE OF SLEEVE ON TUBES WITH FLARED ENDS.
500	CLEAN AND APPLY ELECTROLESS NICKEL PLATE TO SPECIFIED SURFACES PER FPS-3005, CLASS 1. (FOR 180-240 KSI ALLOY STEEL).
501	CLEAN PER FPS-3001, PARA 3.1.1 AND ANODIZE PER MIL-A-8625, TYPE I OR II, SPECIFIED EXTERIOR SURFACES OF TUBING OR PARTS. TREATMENT IS OPTIONAL ON INSIDE SURFACES OF MACHINED PARTS, WELDED ASSEMBLIES WET WITH FLUID OR TUBING DETAILS.
502	CLEAN PER FPS-3001, PARA. 3.1.1 AND CHEM FILM SPECIFIED SURFACES PER MIL-C-5541.
503	CLEAN AND APPLY ELECTROLESS NICKEL PLATING TO SPECIFIED SURFACES PER MIL-C-26074, CLASS 4, GRADE B.
504	CLEAN AND APPLY CADMIUM PLATING TO NICKEL PLATED SURFACES PER QQ-P-416, CLASS 3, TYPE II.
505	APPLY MIL-C-85054 WATER DISPLACING, CORROSION PREVENTIVE COMPOUND TO SPECIFIED SURFACES.
506	APPLY TWO COATS OF FMS-1058-1 PRIMER ON SPECIFIED SURFACES.
507	RESTORE CORROSION PROTECTION FINISH TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL (UNLESS THESE HEADS ARE COVERED WITH SEALANT), AND TO HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA 3.1.1(A). BRUSH CHEMICAL PER MIL-C-5541 AND TOUCH UP WITH FMS-1058-1 PRIMER.

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Basic Element	Basic Element Step(s)
508	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G. HOLES, COUNTERSINKS, SPOTFACES, ETC) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER FOLLOWED BY ONE COAT OF MIL-C-22750 EPOXY ENAMEL OR MIL-C-83286 OR MIL-C-85285 URETHANE COATING, RED COLOR 11136.
509	CLEAN ALL SURFACES WITH MIL-C-38736* OR FMS-2004 CLEANER. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE).
510	APPLY MIL-L-23398 SOLID FLIM LUBRICANT (SPRAY-ON AIR DRY TYPE), OR FMS-3101 CLASS IV LUBRICANT, TO ALL SURFACES. COATING THICKNESS SHOULD BE JUST SUFFICIENT TO PRODUCE A SMOOTH, ADHERENT, AND UNIFORM COATING FREE FROM BLISTERS AND EXCESSIVE BUILDUP. COATING THICKNESS SHOULD BE SUCH THAT IT WILL NOT CAUSE INTERFERENCE IN A SLIP FIT.
511	STRIP CADMIUM PLATING PER MIL-STD-871 SOLUTION 3 AND REPLATE PER ORIGINAL CADMIUM PLATING REQUIREMENTS. NOTE: ELEMENT 511 IS NOT TO BE USED FOR ANY STEEL WITH TENSILE STRENGTH GREATER THAN 240 KSI.
512	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 COATING, RED COLOR 11136, ON SPECIFIED SURFACES.
513	RESTORE CORROSION PROTECTION TO EDGES OR SURFACE OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1 (A). BRUSH CHEMICAL FILM PER MIL-C-5541 WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF RED URETHANE COATING, COLOR 11136, PER MIL-C-83286 OR MIL-C-85285. FINISH HOLES (INC-LUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 236.
514	STRIP EXISTING CHEMICAL FILM AND APPLY MIL-C-5541 CHEMICAL FILM TO ALL SURFACES PER PROCESS STANDARD 74.02-2.
515	APPLY P5438-2 LIGHT GRAY (COLOR 36375) POLYURETHANE RAIN EROSION RESISTANT COATING TO SPECIFIED SURFACES PER FPS-3045.

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Basic Element	Basic Element Step(s)
516	CLEAN PER FPS-3001, PARA 3.1.4 (CLEANING PROCESS ONLY) AND APPLY IVD ALUMINUM TO ALL SURFACES PER MIL-C-83488, TYPE II, CLASS 3, FOLLOWED BY GLASS BEAD PEENING PER FPS-3083. (FOR ALLOY STEEL.)
517	CLEAN PER FPS-3001, PARA. 3.1.4 (CLEANING PROCESS ONLY) AND APPLY IVD ALUMINUM TO SPECIFIED SURFACES PER MIL-C-83488, TYPE II, CLASS 3, FOLLOWED BY GLASS BEAD PEENING PER FPS-3083. (FOR ALLOY STEEL.)
518	CLEAN PER FPS-3001, PARA. 3.1.5(A) AND APPLY IVD ALUMINUM TO ALL SURFACES PER MIL-C-83488, TYPE II, CLASS 3, FOLLOWED BY GLASS BEAD PEENING PER FPS-3083. (FOR COPPER ALLOYS.)
519	CLEAN PER FPS-3001, PARA 3.1.5(A) AND APPLY IVD ALUMINUM TO SPECIFIED SURFACES PER MIL-C-83488, TYPE II, CLASS 3, FOLLOWED BY GLASS BEAD PEENING PER FPS-3083. (FOR COPPER ALLOYS.)
520	CLEAN PER FPS-3001, PARA. 3.1.3(A) AND APPLY IVD ALUMINUM TO ALL SURFACES PER MIL-C-83488, TYPE II, CLASS 3, FOLLOWED BY GLASS BEAD PEENING PER FPS-3083. (FOR CRES.)
521	CLEAN PER FPS-3001, PARA 3.1.3(A) AND APPLY IVD ALUMINUM TO SPECIFIED SURFACES PER MIL-C-83488, TYPE II, CLASS 3, FOLLOWED BY GLASS BEAD PEENING PER FPS-3083. (FOR CRES.)
522	PREPARE SURFACE AND MANGANESE IRON PHOSPHATE TREAT SPECIFIED SURFACES PER FPS-3006, CLASS I. (FOR ALLOY STEEL < 180 KSI).

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Basic Element	Basic Element Step(s)
523	TO TOUCH UP SCRATCHES IN THE FMS-3014 FORM 2 ADHESIVE PRIMER SURFACE* WHICH WERE INCURRED PRIOR TO THE ELEVATED TEMPERATURE CURE OF FMS-3014 FORM 1 ADHESIVE (SEE FPS-3035 FOR THE ADHESIVE CURE CYCLE). SCRATCHES IN THE ADHESIVE PRIMER SURFACE SHALL BE REPAIRED AS FOLLOWS: SOLVENT CLEAN THE AREA WITH TT-M-261 METHYL ETHYL KETONE, OR MIL-C-38736, FMS-2004, P6174, OR APPROVED ALTERNATE AS APPROPRIATE PER FPS-3035*. BUFF THE SCRATCHED AREA WITH 320 GRIT SANDPAPER OR "SCOTCH-BRITE" AND REWIPE WITH SOLVENT CLEANER. APPLY ONE COAT OF FMS-3014 FORM 2 ADHESIVE PRIMER PER FPS-3035. (FOR CRES AND TITANIUM ALLOYS). *NOTES: (1) TOUCH UP IS NOT REQUIRED IF THE SCRATCH IS IN AN AREA WHICH WILL BE SUBSEQUENTLY COVERED WITH FMS-3014 FORM 1 ADHESIVE. (2) FOR SCRATCHES INCURRED PRIOR TO THE FPS-3035 ELEVATED TEMPERATURE CURE OF FMS-3014 FORM 2 ADHESIVE PRIMER, WIPE WITH TT-M-261 METHYL ETHYL KETONE OR APPROVED ALTERNATE. FOR SCRATCHES INCURRED AFTER THIS PRIMER CURE CYCLE, WIPE WITH MIL-C-38736 OR APPROVED ALTERNATE. (P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38376 CLEANER. REFERENCE CR 1345 FOR COPRODUCER USE).
524	TO TOUCH UP SCRATCHES IN THE FMS-3014 FORM 2 ADHESIVE PRIMER SURFACE WHICH WERE INCURRED AFTER THE ELEVATED TEMPERATURE CURE OF FMS-3014 FORM 1 ADHESIVE (SEE FPS-3035 FOR THE ADHESIVE CURE CYCLE). SCRATCHES IN THE ADHESIVE SURFACE SHALL BE REPAIRED AS FOLLOWS: SOLVENT WIPE THE AREA WITH MIL-C-38736, FMS-2004 OR APPROVED ALTERNATE*. BUFF THE SCRATCHED AREA WITH 320 GRIT SANDPAPER OR "SCOTCH-BRITE" AND REWIPE WITH SOLVENT CLEANER. FOR FUEL EXPOSED AREAS, APPLY ONE COAT OF FMS-1058-1 OR AMS-C-27725 FUEL TANK COATING PER FPS-3035. FOR NONFUEL EXPOSED AREAS, APPLY A COAT OF FMS-1058-1 PER FPS-3035 OR A COAT OF FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER. (FOR CRES AND TITANIUM ALLOYS). *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. REFERENCE CR 1345 FOR CO-PROPRODUCER USE.
525	COAT ALL SURFACES WITH MIL-C-16173, GRADE 5, CORROSION PREVENTIVE COMPOUND.
526	WRAP ENTIRE PART WITH MIL-P-3420, CLASS AND STYLE AS REQUIRED, FORM B.
527	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, GRAY COLOR 36118, ON SPECIFIED SURFACES.

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Basic Element	Basic Element Step(s)
528	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF TITANIUM ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.2. TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 GRAY URETHANE COATING, COLOR 36118.
529	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, GRAY COLOR 36118, ON ALL SURFACES.
530	RESTORE CORROSION PROTECTION TO EDGES OR SURFACE OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSY. LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF DARK GRAY URETHANE COATING, COLOR 36118, PER MIL-C-83286 OR MIL-C-85285. FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 236.
531	APPLY ONE COAT OF FMS-3027, MIL-P-23377E TYPE 1 CLASS 1, OR DEFT 44-GN-36 PRIMER TO ALL SURFACES. THE PRIMER COATING MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL WHEN THE ENTIRE LENGTH OF FAYING SURFACE OVERLAPS IS REQUIRED FOR ELECTRICAL BONDING. THE EQUIVALENT THICKNESS OF TWO COATS OF PRIMER IS PERMISSIBLE ON THOSE AREAS THAT ARE COVERED WITH TOPCOAT.
532	APPLY FMS-3049 COATING, PER FPS-3057, TO SPECIFIED SURFACES. THE THICKNESS OF THE COATING SHALL BE AS SPECIFIED BY THE ENGINEERING DRAWING.
533	APPLY FMS-2026 COATING TO SPECIFIED SURFACES PER FPS-3076. THE COLOR OF THE COATING SHALL BE AS SPECIFIED BY THE APPLICABLE AIRCRAFT PAINTING DRAWING.
535	APPLY ONE COAT OF FMS-3027, MIL-P-23377E TYPE 1 CLASS 1, OR DEFT 44-GN-36 PRIMER TO SPECIFIED SURFACES. THE PRIMER COATING MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL WHEN THE ENTIRE LENGTH OF FAYING SURFACE OVERLAPS IS REQUIRED FOR ELECTRICAL BONDING. THE EQUIVALENT THICKNESS OF TWO COATS OF PRIMER IS PERMISSIBLE ON THOSE AREAS THAT ARE COVERED WITH TOPCOAT.

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Basic Element	Basic Element Step(s)
536	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-P-23377E TYPE 1, CLASS 1, OR DEFT 44-GN-36 PRIMER.
537	APPLY TWO COATS OF FMS-3027, MIL-P-23377E TYPE 1 CLASS 1, OR DEFT 44-GN-36 PRIMER TO ALL SURFACES. THE PRIMER COATING MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL WHEN THE ENTIRE LENGTH OF FAYING SURFACE OVERLAPS IS REQUIRED FOR ELECTRICAL BONDING.
538	APPLY TWO COATS OF FMS-3027, MIL-P-23377E TYPE 1 CLASS 1, OR DEFT 44-GN-36 PRIMER TO SPECIFIED SURFACE. THE PRIMER COATING MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL WHEN THE ENTIRE LENGTH OF FAYING SURFACE OVERLAPS IS REQUIRED FOR ELECTRICAL BONDING.
539	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL, AND TO HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH TWO COATS OF FMS-3027, MIL-P-23377E TYPE 1 CLASS 1, OR DEFT 44-GN-36 PRIMER.
540	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, ETC.) OF GRP THAT HAS BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, BUFF WITH 320 (OR FINER) ABRASIVE PAPER & WIPE CLEAN WITH TT-M-261 MEK, FMS-2004, OR MIL-C-38736 (P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582 PRIMER, OR FMS-1058-1 , FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 WHITE URETHANE COATING; COLOR NO. 17875 (OR COLOR NO. 17925).
541	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, GRAY COLOR 26493, ON ALL SURFACES.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
542	THE APPLICATION OF GRAY PAINT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF GRAY PAINT IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736* OR FMS-2004), SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCHBRITE", RE-WIPED WITH SOLVENT CLEANER, THEN MIST COATED WITH FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER, FOLLOWED BY TWO COATS OF URETHANE, GRAY COLOR 26493, PER MIL-C-83286 OR MIL-C-85285 APPLIED TO ALL EXPOSED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
543	RESTORE CORROSION PROTECTION TO EDGES OR SURFACE OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSY. LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, MIL-PRF-85582, OR FMS-1058-1 PRIMER, FOLLOWED BY TWO COATS OF GRAY URETHANE COATING, COLOR 26493, PER MIL-C-83286 OR MIL-C-85285. FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 236.
544	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, GRAY COLOR 26493, ON SPECIFIED SURFACES.
545	RESTORE CORROSION PROTECTION TO EDGES OR SURFACE OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSY. LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-P-23377E TYPE 1 CLASS 1, OR DEFT 44-GN-36 PRIMER, FOLLOWED BY TWO COATS OF WHITE URETHANE COATING, COLOR 17875 OR 17925, PER MIL-C-83286 OR MIL-C-85285. FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 539.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
546	THE APPLICATION OF WHITE PAINT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF WHITE PAINT IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736* OR FMS-2004), SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCHBRITE", RE-WIPED WITH SOLVENT CLEANER, THEN MIST COATED WITH FMS-3027, MIL-P-23377E TYPE 1 CLASS 1, OR DEFT 44-GN-36 PRIMER, FOLLOWED BY TWO COATS OF URETHANE, WHITE COLOR 17875 OR 17925, PER MIL-C-83286 OR MIL-C-85285 APPLIED TO ALL EXPOSED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
547	THE APPLICATION OF LIGHT GRAY URETHANE PAINT MAY BE DELAYED TO A SUBSEQUENT ASSEMBLY LEVEL. IF LIGHT GRAY URETHANE PAINT IS APPLIED AT A LATER TIME, PREVIOUSLY PRIMED SURFACES SHALL BE SOLVENT CLEANED (MIL-C-38736* OR FMS-2004), SCUFFED TO REMOVE GLOSS WITH 320 GRIT SANDPAPER OR "SCOTCHBRITE", REWIPED WITH SOLVENT CLEANER, THEN MIST COATED WITH FMS-3027, MIL-P-23377E TYPE 1 CLASS 1, OR DEFT 44-GN-36 PRIMER, FOLLOWED BY TWO COATS OF LIGHT GRAY URETHANE COATING, COLOR 26493, APPLIED TO ALL EXPOSED SURFACES. *NOTE: P6174 NON-AROMATIC CLEANER MAY BE USED IN LIEU OF MIL-C-38736 CLEANER. (REFERENCE CR 1345 FOR CO-PRODUCER USE.)
548	RESTORE CORROSION PROTECTION TO EDGES & SURFACES(E.G., HOLES COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-P-23377E TYPE 1 CLASS 1, OR DEFT 44-GN-36 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, COLOR 26493 OR TWO COATS OF URETHANE OR OR TEFLON-URETHANE COATING OF THE COLOR SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DRAWING (WHICHEVER WAS PREVIOUSLY APPLIED).
549	RESTORE CORROSION PROTECTION TO EDGES OR SURFACE OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSY. LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-P-23377E TYPE 1 CLASS 1, OR DEFT 44-GN-36 PRIMER, FOLLOWED BY TWO COATS OF GRAY URETHANE COATING, COLOR 26493, PER MIL-C-83286 OR MIL-C-85285. FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 539.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
550	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-P-23377E TYPE 1 CLASS 1, OR DEFT 44-GN-36 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 LIGHT SEMIGLOSS GRAY URETHANE COATING, COLOR 26493.
551	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A) AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-P-23377E TYPE 1 CLASS 1, OR DEFT 44-GN-36 PRIMER.
552	RESTORE CORROSION PROTECTION TO EDGES OR SURFACES OF ALUMINUM PARTS TRIMMED AT ASSEMBLY, AND MANUFACTURED AND BUCKED HEADS OF ALUMINUM FASTENERS INSTALLED AT ASSEMBLY LEVEL. FOR PAINTED SURFACES CLEAN PER FPS-3001, PARA. 3.1.1(A). BRUSH CHEMICAL FILM PER MIL-C-5541 AND TOUCH UP WITH ONE COAT OF FMS-3027, MIL-P-23377E TYPE 1 CLASS 1, OR DEFT 44-GN-36 PRIMER, FOLLOWED BY THE FINISH SPECIFIED ON THE APPLICABLE 16NXXXX AIRCRAFT PAINTING DWG. FINISH HOLES (INCLUDING COUNTERSINKS) DRILLED AFTER PAINTING FOR REMOVABLE FASTENERS WHICH DO NOT HAVE INSERTS IN ACCORDANCE WITH THIS BASIC ELEMENT OR WITH ELEMENT 539.
553	APPLY TWO COATS OF FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER TO SPECIFIED SURFACE. APPLY THE COATS TO THE BLIND HOLE BY FILLING WITH PRIMER AND DRAINING. THE DELAY TIME BETWEEN COATS SHALL BE 120 MINUTES. THE PIN SHALL REMAIN IN A POSITION TO ALLOW DRAINING THROUGHOUT THE DELAY TIME AND FOLLOWING THE SECOND PRIME COAT APPLICATION. AFTER CURE VISUALLY INSPECT FOR PRIMER COVERAGE. PRIMER THICKNESS MEASUREMENTS ARE NOT REQUIRED. DRIPS AND RUNS ARE ACCEPTABLE. TOUCH UP ANY BARE AREAS BY SWABBING ADJACENT PRIME WITH APPROVED SOLVENT FOLLOWED BY APPLICATION OF PRIMER BY SWABBING BARE AREA AND OVERLAPPING ADJACENT PRIMER.
554	APPLY TWO COATS OF MIL-C-83286 OR MIL-C-85285 URETHANE COATING, WHITE COLOR 17875 OR 17925, TO SPECIFIED AREA OF TUBING.

APPENDIX B. Basic Elements

Basic Element	Basic Element Step(s)
555	RESTORE CORROSION PROTECTION TO EDGES AND SURFACES (E.G., HOLES, COUNTERSINKS, SPOTFACES, ETC.) OF CORROSION RESISTANT STEEL ALLOYS THAT HAVE BEEN MACHINED AFTER INITIAL CORROSION PROTECTION HAS BEEN APPLIED. FOR PAINTED SURFACES, CLEAN PER FPS-3001, PARA. 3.1.3(A). TOUCH UP WITH ONE COAT OF FMS-3027, MIL-PRF-23377, OR MIL-PRF-85582 PRIMER, FOLLOWED BY TWO COATS OF MIL-C-83286 OR MIL-C-85285 LIGHT SEMIGLOSS GRAY URETHANE COATING, COLOR 26493.