APPENDIX B. Basic Elements

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.