APPENDIX B. Basic Elements

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.