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.