

Boeing St. Louis

(McDonnell Douglas) Specifications
For the F-15

= updated
June, 2011

Spec.	Rev.	Title	
68A900063	D	Serialization and Traceability Requirements for F-15 Fracture Critical Parts	
MDC A0436	P	QA Requirements for Sellers of Detail Parts	
PS 12010	U	Cleaning, Solvent, Hand or Immersion	
PS 12020	AA	Cleaning, Solvent Vapor Degreasing	
PS 12030	AA	Alkaline Cleaning	
PS 12040	AB	Cleaning, Abrasive	
PS 12045	M	Liquid Hone Cleaning	#
PS 12050	U	Pickling	
PS 12050.1	AA	Pickling Aluminum Alloys	
PS 12050.2	D	Pickling Copper and Brass Alloys	
PS 12050.5	J	Pickling of Stainless Steel	
PS 12050.6	L	Pickling Titanium and Titanium Alloys	
PS 12100	N	Stripping of Organic Coating - Brush or Spray Application	
PS 13001	T	Passivation of Corrosion and Heat Resistant Alloys	
PS 13143	T	Aluminum, Ion Vapor Deposited (IVD)	
PS 13145	K	Vacuum Metalizing of Cadmium on Metal	
PS 13201	AK	Anodizing Aluminum alloys	
PS 13204	AF	Chromate Conversion Coating (Brush Treatment)	
PS 13209	W	Multi Colored Chemical Conversion Coating	
PS 13300	R	General Painting Methods and Techniques	#
PS 13375	AB	Application of Epoxy Primer	
PS 13415	(T)	Paint Finishing of F-4 Series Airplanes (Inactive Specification)	
PS 13525	AB	Polyurethane Corrosion Resistant Coating	
PS 13555	W	Coating, Anti-Chafe	
PS 13646	AH	Painting of F-15 Aircraft	

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PS 14007	AB	Forming Aluminum Alloy Wrought Products	
PS 14023	R	Peening	
PS 14094	C	Shot Peen Forming	
PS 15000	V	General Heat Treating Criteria for Ferrous Materials	
PS 15000.5	A	Hardening of Alloy Steels to 180 ksi Minimum and Under	
PS 15000.6	C	Hardening of Alloy Steels to 200 ksi Minimum and Over	
PS 15000.8	A	Martempering 4330V	
PS 15000.11	C	Hardening of PH Grade Stainless Steel To The H Condition	
PS 15063	K	Stress Relief and Embrittlement Relief	
PS 15130	(B)	Hardening 4330V to 220,000 - 240,000 PSI --Canceled, use PS 15000.6	
PS 15227	(B)	Hardening 17-4PH and 15-5PH (Condition. A) to H1025 --Cancelled, use PS 15000.11	
PS 15500	Y	General Heat Treating - Aluminum Alloys	
PS 15500.8	A	Heat Treating of Aluminum Alloys to the T-73 Condition	
PS 15558	(C)	Hardening of 7049 & 7149 to T-73 Condition --Cancelled, use PS 15500.8	
PS 15800	F	General Heat Treating Criteria for Titanium Alloys	
PS 15807	L	Stress Relief Procedure - Titanium Alloys	
PS 16001	BR	Marking of Fabricated Parts	
PS 18015	E	Lubricant, Cetyl Alcohol, Application to Parts	
PS 18021	AB	Lubricants, Bonded Dry Film, Application of	
PS 18022	E	Application of Air Drying Solid Film Lubricant	
PS 20001	V	Protection of Parts During Fabrication and Temporary Storage	#
PS 20009	J	Straightening of Metallic Materials and Parts	
PS 20024	P	Deburring, Blending and Sanding of Metal Parts	
PS 20707	(B)	Grinding of Titanium Alloys -- Cancelled, use PS 20024	

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Spec.	Rev.	Title	
PS 21201	AC	Magnetic Particle Inspection	
PS 21202	AP	Penetrant Inspection	
PS 21203	J	Hardness Testing of Parts and Materials	
PS 21205	K	Temper Etch Inspection (Hardened Steel Parts)	
PS 21206	M	Radiographic Inspection - General	
PS 21207	G	Eddy Current Determination of Electrical Conductivity For Aluminum Alloys	
PS 21211	L	Ultrasonic Inspection of Wrought Metals	
PS 21211.3	H	Ultrasonic Inspection -- Machined Parts	#
PS 21217	(K)	Eddy Current Inspection of Holes; General Requirements (Currently Inactive)	
PS 21219	B	Eddy Current Inspection, General	
PS 21219.1	F	Eddy Current Inspection and Measurements	
PS 21239	D	Coating Thickness Measurement	
PS 21239.2	A	Coating Thickness Measurement, Direct Reading, Eddy Current Inst.	
PS 21240	H	Nondestructive Testing -- Personnel Qualification	
PS 22240	L	Arc Fusion Welding Titanium and Titanium	
PS 22300	J	Electronic Beam Fusion Welding	
PS 23023	U	Acceptance Criteria for Metals	
PS 23041	V	Requirements and Acceptance Criteria for Machined Parts	

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Spec.	Rev.	Title	
MMS-420	P	Aliphatic Polyurethane Finish System Adden. 1(rev. BB)	#
MMS-423	D	Low V.O.C. - Low Density Epoxy Primer Adden. 1(rev. J)	
MMS-425	(F)	Low V.O.C. - Low Density Epoxy Primer ----- Cancelled, use MMS-423 -----	
MMS-436	B	High Temperature Epoxy Primer Adden. 1 (rev A)	