

# Boeing Specifications

For Programs: 737, 747, 757, 767, 777, 787, KC-135  
Spec. Rev. Title

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Aug., 2010

BAC 5000	AH	General Sealing PSD 6-211, 6-220, 6-222, 6-224, 6-225, 6-227, 6-228	◀	
BAC 5004	L	Installation of Permanent Fasteners PSD 6-121, 6-122, 6-124	◀	
BAC 5004-1	R	Solid Rivet Installation PSD 6-62, 6-66	◀	
BAC 5004-2	AB	Permanent Straight Shank Fastener Installation PSD 6-82, 6-118, 6-119	◀	
BAC 5004-3	H	Blind Fastener Installation PSD 6-14, 6-15	◀	
BAC 5009	W	Nut and Bolt Installation PSD 6-119, 6-137, 6-141, 6-147, 6-149, 6-150, 6-152, 6-153	◀	
BAC 5010	W	Application of Adhesives PSD 6-145, 6-148, 6-166, 6-167		
BAC 5019	U	Chromatic Acid Anodizing PSD 6-162, 6-163		
BAC 5022	H	Sulfuric Acid Anodic Films PSD 6-9, 6-14, 6-15, 6-16, 6-17		
BAC 5032	G	Grinding of Chromium Plate PSD 6-9		
BAC 5034	M	Temporary Protection of Production Materials, Parts and Assemblies PSD 6-128, 6-129, 6-132, 6-134	◀	
BAC 5034-3	B	Temporary Protection of Production Materials, Parts and Assemblies PSD 6-8		
BAC 5047	K	Fluid Tight Fastener Installation	◀	
BAC 5117	AD	Electrical Bonding	◀	
BAC 5300	L	Fitting of Metal Parts	◀	
BAC 5300-1	B	Surface and Edge Integrity of Metal Parts PSD 6-1, 6-6	◀	
BAC 5300-2	B	Metal Part Forming, Straightening and Fitting	◀	#
BAC 5307	R	Part Marking PSD 6-271, 6-273, 6-274, 6-275	◀	#

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BAC5325	J	Application of BMS10-103, Non-chromated Primer PSD 6-18, 6-19		
BAC 5332	A	Installation of Moldable Plastic Shim PSD 6-3, 6-6, 6-12, 6-17, 6-20	QPL K	◀ #
BAC 5408	M	Vapor Degreasing PSD 6-51, 6-54, 6-60, 6-61, 6-62		
BAC 5423	W	Penetrant Methods of Inspection PSD 6-155, 6-156, 6-158		
BAC 5424	U	Magnetic Particle Inspection PSD 6-40		
BAC 5435	V	Bearing Installation PSD 6-50, 6-52, 6-60, 6-61		◀
BAC 5436	G	Etch Inspection of Ground Machined Steel Parts		
BAC 5439	H	Ultrasonic Inspection PSD 6-10, 6-11, 6-15, 6-16, 6-17, 6-22		
BAC5439-3	(A)	Ultrasonic Testing of Wrought Materials, Immersion Testing Replaced by BSS7055 as of July 7, 2000		
BAC 5440	K	Hole Preparation, Machining, Grinding of Steel PSD 6-41, 6-43, 6-45, 6-49		◀
BAC 5492	G	Machining and Cutting of Titanium PSD 6-20, 6-21, 6-23, 6-27, 6-28		◀
BAC 5504	V	Integral Fuel Tank Structure Sealing PSD 6-80		
BAC 5514	AP	Common Bonding Requirements for Structural Adhesives PSD 6-164, 6-190, 6-191, 6-192, 6-193, 6-194, 6-199, 6-202, 6-204, 6-205, 6-206, 6-208, 6-209, 6-211, 6-218		
BAC 5514-589	Y	Application of Corrosion Inhibiting Adhesive Primer PSD 6-33, 6-34		
BAC 5514-5137	K	Structural bonding With BMS 5-137 Adhesives PSD 6-20		
BAC 5555	R	Phosphoric Acid Anodizing of Aluminum for Structural Bonding PSD 6-98		
BAC 5602	AF	Heat Treatment of Aluminum Alloys PSD 6-195, 6-200		

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BAC 5611	B	Heat Treatment of Copper Alloys PSD 6-2, 6-3, 6-5	
BAC 5613	T	Heat Treatment of Titanium Alloys PSD 6-39, 6-44, 6-46, 6-48	QPL Rev. D
BAC 5617	U	Heat Treatment of Alloy Steels PSD 6-87	
BAC 5619	H	Heat Treatment of Corrosion Resistant Steel PSD 6-50, 6-52	
BAC 5625	E	Surface Treatment for Ferrous Alloys PSD 6-59	
BAC 5626	B	Colored Chemical Conversion Coating for Aluminum	
BAC 5632	D	Boric Acid - Sulfuric Acid Anodizing PSD 6-60, 6-62, 6-63, 6-64, 6-67, 6-68, 6-71, 6-72	
BAC5652	A	Inspection of Castings PSD 6-1	
BAC5665	A	Application of Sol-Gel Conversion Coatings on Corrosion Resistant Alloys for Painting PSD 6-2, 6-3	
BAC 5686	Org	Laser Beam Welding of Titanium for Structural Applications PSD 6-5, 6-6, 6-7; QPL C	
BAC 5701	N	Cadmium Plating PSD 6-57, 6-58, 6-59	
BAC 5709	T	Hard Chromium Plating PSD 6-42, 6-50, 6-51, 6-55, 6-58, 6-60, 6-61, 6-62, 6-63, 6-64, 6-65	QPL D
BAC 5710	N	Application of Special Purpose Coatings PSD 6-111, 6-112	
BAC 5719	Y	Chemical Conversion Coatings for Aluminum PSD 6-144, 6-149, 6-150, 6-152	
BAC 5722	E	Copper Plating	
BAC 5725	F	Stripping Organic Materials PSD 6-80	
BAC 5730	P	Shot Peening	
BAC 5730-1	D	Shot Peen Forming	

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BAC 5730-2	C	Shot Peening - Self Contained PSD 6-2, 6-4, 6-5, 6-6	◀
BAC 5736	T	Application of Chemical/Solvent Resistant Finishes PSD 6-130, 6-138, 6-166, 6-168, 6-173, 6-176, 6-178	
BAC 5748	R	Abrasive Cleaning, Deburring, and Finishing PSD 6-97, 6-99, 6-100, 6-101	
BAC 5749	U	Alkaline Cleaning PSD 6-126, 6-136, 6-137, 6-141, 6-147 6-153, 6-154, 6-155, 6-156	
BAC 5750	L	Solvent Cleaning PSD 6-54, 6-79, 6-80, 6-82, 6-87, 6-88, 6-89	
BAC 5751	L	Cleaning, Descaling, Surface Preparation of Ferrous Alloys PSD 6-69	
BAC 5753	T	Cleaning, Descaling Surface Preparation of Titanium Alloys PSD 6-133, 6-135, 6-137, 6-144, 6-146, 6-151, 6-155, 6-161	
BAC 5758	K	Cleaning, Descaling, Surface Prep. of Ni-Co Based Alloys	
BAC 5765	T	Cleaning and Deoxidizing of Aluminum Alloys PSD 6-198, 6-199, 6-200, 6-203, 6-206, 6-208, 6-209, 6-212, 6-213, 6-214, 6-219, 6-220, 6-225	
BAC 5771	J	Stripping Inorganic Finishes PSD 6-80, 6-81	
BAC 5786	J	Etch Cleaning of Aluminum Alloys PSD 6-47, 6-50, 6-52, 6-59, 6-60, 6-63, 6-65	
BAC 5793	U	Application of Corrosion Resistive Fin. PSD 6-71, 6-72, 6-73, 6-77, 6-82, 6-86, 6-87, 6-89 6-91, 6-100, 6-101	
BAC 5804	AC	Low Hyd. Embrittlement Cadmium – Titanium Alloy Plating PSD 6-100, 6-103 QPL H	#
BAC 5811	U	Dry Film Lubricant PSD 6-36, 6-37 QPL R	
BAC 5821	E	Hard Anodizing PSD 6-4, 6-5, 6-6, 6-8	
BAC 5845	L	Application of Polyurethane Enamel PSD 6-50	

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BAC 5849	L	Brush Plating - Cadmium Only PSD 6-19	
BAC 5854	K	LHE - Stylus Cadmium Plating PSD 6-9, 6-10, 6-11	
BAC 5861	D	Phosphate Fluoride Coatings - Titanium PSD 6-9, 6-13, 6-14, 6-15, 6-17	
BAC5882	J	Application of Urethane Compatible Primer PSD 6-18	
BAC 5884	D	Anodizing of Aluminum Alloys	
BAC 5946	AA	Temper Inspection - Nonferrous Alloys PSD 6-57, 6-58	
BAC 5973	E	Sleeve Cold Working of Holes in Aluminum Structures PSD 6-19, 6-22, 6-28, 6-29	◀
BSS7039	A	Liquid Penetrant Inspection PSD 6-4, 6-5	
BSS 7040	A	Magnetic Particle Inspection SSD 6-3	
BSS 7055	A	Ultrasonic Inspection of Wrought Products SSD 6-4 Note: This specification replaces BAC 5439-3 as of July 7, 2000	
D2-5000	CH	Protective Finish Codes	◀
D6-1276	P	Control of Materials and Processes For Designated Parts	◀
D6-5000	AG	Special Commercial Airplane Company Finish Codes	◀ #
D6-82479	E	Boeing Quality Management System Requirements for Suppliers Found on website: <a href="http://www.boeingsuppliers.com/supQual.htm">http://www.boeingsuppliers.com/supQual.htm</a>	◀
D1-4426		Boeing Approved Process Sources. See Boeing Web site at: <a href="Http://www.boeing.com/companyoffices/doingbiz/d14426/">Http://www.boeing.com/companyoffices/doingbiz/d14426/</a>	◀

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## MATERIAL SPECIFICATIONS

BMS 3 – 26	A	Organic Corrosion Inhibiting Compounds, Heavy Duty QPL — Revision D
BMS 5 – 89	R	Corrosion Inhibiting Adhesive Primer QPL — Revision B
BMS10 – 11	Y	Chemical and Solvent Resistant Finish QPL — Revision B
BMS 10 – 60	P	Protective Enamel QPL — Revision B
BMS 10 – 79	M	Urethane Compatible, Corrosion Resistant Primer QPL — Revision A
BMS 10 – 86	J	Teflon Filled Coating QPL — Revision B
BMS 10 – 103	C	Non-chromated Primer for Composites QPL — Revision A