

Standard: PS 501

Title: Boeing Process Specification Index

Author:

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F	S Ford	20200602	ECNEU03428
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H	S Ford	20200915	ECN1006196
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1.0 SCOPE

- 1.1 This document covers the issue status and process specification departures (PSD) applicable to Boeing specifications used on make-to-print parts for Moog Wolverhampton.
- 1.2 The listing is designed as a look up tool for Supply Chain to determine the latest specification and departure issue which is needed for manufacturing on make-to-print parts for Moog Wolverhampton.
- 1.3 Where industry process specifications are used in the manufacturer or other supporting processes related to make-to-print parts for Moog Wolverhampton, e.g. AMS-QQ-P-416 or ASTM B117 then these shall be obtained directly by the supplier.

2.0 INTRODUCTION

- 2.1 The listing is not exhaustive. Requests to add further Boeing process specifications should be made through the Moog purchasing contact.
- 2.2 When a supplier requires a copy of a particular document the request shall be made through the Moog purchasing contact.

3.0 REFERENCE DOCUMENTS

Whenever a specification is referenced as PS xxx, then this shall imply the in-house standard of Moog Wolverhampton. Specifications from other companies or institutions shall be given a suitable prefix to identify the source.

<http://active.boeing.com/doingbiz/d14426/index.cfm>

4.0 PROCESS SPECIFICATION LISTING

- 4.1 In the tables below only PSDs that apply to Boeing Commercial Airplanes are shown, i.e. only those beginning 6-xxx. For those specifications with an associated Qualified Products Listing (QPL) the revision status of this is given in the PSD column. Items marked with a ★ have been updated since the last revision.
- 4.2 In the column "Date of most recent update" a date of 7-Aug-18 represents the date at which the initial issue status data was gathered for this document. Additionally, the date given is the date of the notification from the Boeing specification website which will be one day later than the date that appears as the "release date" on the document.
- 4.3 Primary specifications (marked with a 'P') are those which are directly called-out from the part drawing. These specifications are controlled within MBS with a link to each part number where they apply. Other specifications are secondary, i.e. called out from within the primary specifications. These are not controlled within MBS.
- 4.4 Documents with the following prefix are included in the table below:-
- BAC (Boeing Airplane Company)
 - BMS (Boeing Material Specification)
 - BSS (Boeing Specification Support Standard)
 - D2 & D6

Process Spec No.	Title	Rev	PSD	Date of most recent update	P	*
BAC5000	SEALING, GENERAL	AU	6-278, 6-279, 6-280, 6-281, 6-282, 6-283, 6-284, 6-285, 6-286, 6-288, 6-290, 6-294, 6-313, 6-315	17-Oct-19	P	<input type="checkbox"/>
BAC5004	INSTALLATION OF PERMANENT FASTENERS	N	6-118, 6-130, 6-131, 6-139	13-Sep-19	P	<input type="checkbox"/>
BAC5008	APPLICATION OF LUBRICANTS	U	6-108, 6-111, 6-112, 6-115, 6-117, 6-131, 6-133, 6-134, 6-135, 6-136, 6-139, 6-141, 6-142, 6-143, 6-144, 6-145, 6-146, 6-147, 6-148	6-Apr-19	-	<input type="checkbox"/>
BAC5009	BOLT AND NUT INSTALLATION	AF	6-154, 6-179, 6-186	15-Jul-20	P	<input type="checkbox"/>
BAC5019	CHROMIC ACID ANODIZING	U	6-135, 6-143, 6-145, 6-155, 6-158, 6-162, 6-163, 6-166, 6-167, 6-169	7-Aug-18	P	<input type="checkbox"/>
BAC5027	INSTALLATION OF AIR PRESSURE SEALS ON CABLE ASSEMBLIES	Y	N/A	7-Aug-18	P	<input type="checkbox"/>
BAC5032	GRINDING OF CHROMIUM PLATE	G	6-009, 6-012, 6-013	6-Apr-19	P	<input type="checkbox"/>
BAC5034	TEMPORARY PROTECTION OF PRODUCTION MATERIALS, PARTS, AND ASSEMBLIES	P	6-131, 6-134, 6-136	10-May-19	P	<input type="checkbox"/>
BAC5034-2	TEMPORARY PROTECTION OF PRODUCTION MATERIALS, PARTS AND ASSEMBLIES WITH NONADHERENT FILM AND SHEET COVERINGS	G	6-040, 6-042	17-May-19	P	<input type="checkbox"/>
BAC5034-3	TEMPORARY PROTECTION OF PRODUCTION MATERIALS, PARTS AND ASSEMBLIES WITH PRESERVATIVES	D	6-004, 6-006	7-Aug-18	P	*
BAC5034-4	TEMPORARY PROTECTION OF PRODUCTION MATERIALS, PARTS, AND ASSEMBLIES WITH PRESSURE SENSITIVE TAPE	N	N/A	25-Aug-20	P	*

Process Spec No.	Title	Rev	PSD	Date of most recent update	P	★
BAC5047	FLUID TIGHT FASTENER INSTALLATION	M	6-104, 6-106, 6-107, 6-108, 6-109, 6-110	7-Feb-19	P	<input type="checkbox"/>
BAC5064	INSTALLATION OF INSERTS, PANEL FASTENERS AND RELATED HARDWARE	E	6-033, 6-034, 6-040, 6-042, 6-045, 6-046, 6-048, 6-049, 6-050, 6-052, 6-053, 6-054, 6-055, 6-057, 6-058	7-Aug-18	P	<input type="checkbox"/>
BAC5300	FORMING, STRAIGHTENING AND FITTING METAL PARTS	N	N/A	7-Aug-18	P	<input type="checkbox"/>
BAC5300-1	SURFACE AND EDGE INTEGRITY OF METAL PARTS	K	6-001, 6-006	28-Sep-20	-	★
BAC5300-2	METAL PART FORMING, STRAIGHTENING AND FITTING	J	6-001, 6-002, 6-005, 6-019, 6-022	28-Sep-20	-	★
BAC5305	APPLICATION OF ALUMINUM FOIL MARKERS	P	N/A	22-Aug-18	P	<input type="checkbox"/>
BAC5307	PART MARKING	AA	6-289, 6-316, 6-317	29-Apr-20	P	<input type="checkbox"/>
BAC5312	APPLICATION OF PLASTIC FILM MARKERS	U	6-051, 6-052	20-May-20	P	<input type="checkbox"/>
BAC5338	ACID ETCH AND ELECTROCHEMICAL ETCH MARKING	H	N/A	31-Jul-19	-	<input type="checkbox"/>
BAC5401	STORAGE, HANDLING, ISSUANCE AND AGE CONTROL OF RUBBER OR RUBBER-LIKE MATERIALS	F	6-003	5-Jan-19	P	<input type="checkbox"/>
BAC5407	CEMENTING OF METAL TO WOOD OR PLASTICS	B	N/A	7-Aug-18	P	<input type="checkbox"/>
BAC5408	VAPOR DEGREASING	M	6-039, 6-046, 6-051, 6-054, 6-056, 6-057, 6-058, 6-061, 6-062, 6-063, 6-067, 6-069, 6-070, 6-071, 6-072, 6-074, 6-075, 6-076	22-Oct-18	-	<input type="checkbox"/>
BAC5423	PENETRANT METHODS OF INSPECTION	Y	6-155	14-Mar-20	P	<input type="checkbox"/>
BAC5424	MAGNETIC PARTICLE INSPECTION	U	6-040	7-Aug-18	P	<input type="checkbox"/>
BAC5435	BEARING INSTALLATION AND RETENTION	AA	6-062, 6-074, 6-075	7-Aug-18	P	<input type="checkbox"/>
BAC5436	ETCH INSPECTION OF GROUND OR MACHINED STEEL PARTS	H	6-072, 6-074	3-Sep-20	P	★

Process Spec No.	Title	Rev	PSD	Date of most recent update	P	*
BAC5439	ULTRASONIC INSPECTION	J	6-023	20-Dec-18	P	<input type="checkbox"/>
BAC5440	HOLE PREPARATION, MACHINING, AND GRINDING OF STEELS	L	6-046, 6-051	11-Jun-19	P	<input type="checkbox"/>
BAC5602	HEAT TREATMENT OF ALUMINUM ALLOYS	AG	6-182, 6-184, 6-202, 6-203, 6-205	29-Jun-19	P	<input type="checkbox"/>
BAC5604	BELT GRINDING OF WEAR COATINGS	A	N/A	7-Aug-18	P	<input type="checkbox"/>
BAC5617	HEAT TREATMENT OF ALLOY STEELS	W	N/A	4-Apr-19	P	<input type="checkbox"/>
BAC5618	CARBURIZING AND NITRIDING OF STEELS	F	N/A	7-Aug-18	P	<input type="checkbox"/>
BAC5619	HEAT TREATMENT OF CORROSION RESISTANT STEEL	K	N/A	24-May-19	P	<input type="checkbox"/>
BAC5621	TEMPERATURE CONTROL FOR PROCESSING OF MATERIALS	L	N/A	7-Aug-18	-	<input type="checkbox"/>
BAC5625	SURFACE TREATMENTS FOR FERROUS ALLOYS	F	6-068, 6-069, 6-070, 6-071, 6-072, 6-073, 6-074	28-Mar-20	P	<input type="checkbox"/>
BAC5632	BORIC ACID - SULFURIC ACID ANODIZING	D	6-031, 6-039, 6-043, 6-050, 6-055, 6-060, 6-062, 6-063, 6-064, 6-067, 6-068, 6-069, 6-071, 6-072, 6-073, 6-074, 6-075, 6-076, 6-077, 6-078, 6-080, 6-081, 6-082, 6-083, 6-084, 6-085, 6-086, 6-087, 6-088	9-Jul-20	P	<input type="checkbox"/>
BAC5640	NITRIDING OF STEEL	A	N/A	16-May-19	P	<input type="checkbox"/>
BAC5641	CARBURIZING OF CARBON AND ALLOY STEELS	A	6-003, 6-004, 6-007, 6-008, 6-010	20-May-20	P	<input type="checkbox"/>
BAC5650	HARDNESS TESTING	E	6-004, 6-005, 6-008	7-Aug-18	-	<input type="checkbox"/>
BAC5656	ABRASIVE WATERJET CUTTING FOR METALS AND METAL-COMPOSITE HYBRIDS	E	N/A	7-Aug-18	P	<input type="checkbox"/>
BAC5669	VIBRATORY PEENING	A	N/A	7-Aug-18	P	<input type="checkbox"/>

Process Spec No.	Title	Rev	PSD	Date of most recent update	P	*
BAC5701	CADMIUM PLATING	P	6-060	26-Nov-19	P	<input type="checkbox"/>
BAC5709	HARD CHROMIUM PLATING	W	QPL REV A 6-057, 6-066, 6-067, 6-071, 6-072	18-Apr-19	P	<input type="checkbox"/>
BAC5710	APPLICATION OF SPECIAL PURPOSE COATINGS	AC	6-144, 6-145, 6-146, 6-147	30-May-19	-	<input type="checkbox"/>
BAC5716	PREPARATION OF COLORED ANODIC FILMS	H	N/A	7-Aug-18	P	<input type="checkbox"/>
BAC5718	LOW HYDROGEN EMBRITTLEMENT CADMIUM PLATING	J	QPL REV A 6-027, 6-028	7-Aug-18	P	<input type="checkbox"/>
BAC5719	CHEMICAL CONVERSION COATINGS FOR ALUMINUM AND ALUMINUM ALLOYS	AA	6-082, 6-096, 6-111, 6-131, 6-136, 6-137, 6-138, 6-142, 6-143, 6-144, 6-145, 6-147, 6-148, 6-149, 6-150, 6-152, 6-153, 6-154, 6-156, 6-157, 6-158	19-Jul-19	P	<input type="checkbox"/>
BAC5720	PROTECTION OF THE INTERIOR OF STRUCTURAL TUBING	D	N/A	7-Aug-18	-	<input type="checkbox"/>
BAC5722	COPPER PLATING	F	N/A	18-Oct-19	-	<input type="checkbox"/>
BAC5725	STRIPPING ORGANIC MATERIALS	H	N/A	11-Jan-19	-	<input type="checkbox"/>
BAC5730	SHOT PEENING	T	6-112	24-Jul-19	-	<input type="checkbox"/>
BAC5736	APPLICATION OF CHEMICAL AND SOLVENT RESISTANT FINISHES	AA	6-196, 6-198, 6-199, 6-201, 6-206, 6-208, 6-209	2-Aug-19	P	<input type="checkbox"/>
BAC5744	MANUAL CLEANING (COLD ALKALINE, SOLVENT EMULSION AND FOAM CLEANERS)	H	N/A	23-Dec-19	-	<input type="checkbox"/>
BAC5748	ABRASIVE CLEANING, DEBURRING, AND FINISHING	V	N/A	29-May-20	P	<input type="checkbox"/>
BAC5749	ALKALINE CLEANING	Y	6-133, 6-178, 6-179, 6-108	28-May-20	-	<input type="checkbox"/>

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BAC5750	SOLVENT CLEANING	R	6-064, 6-106, 6-109, 6-110, 6-111, 6-113, 6-115, 6-117	8-May-19	-	<input type="checkbox"/>
BAC5751	CLEANING, DESCALING AND SURFACE PREPARATION OF FERROUS ALLOYS	M	6-069	7-Aug-18	P	<input type="checkbox"/>
BAC5755	APPLICATION OF INTERIOR DECORATIVE FINISHES	AF	6-109, 6-112	7-Oct-19	-	<input type="checkbox"/>
BAC5765	CLEANING AND DEOXIDIZING ALUMINUM ALLOYS	Y	6-197, 6-205, 6-207, 6-217, 6-218, 6-223, 6-224, 6-227, 6-229, 6-235, 6-236, 6-238, 6-239, 6-240, 6-243	13-Mar-20	-	<input type="checkbox"/>
BAC5771	STRIPPING INORGANIC FINISHES	J	6-080, 6-081, 6-082	7-Aug-18	-	<input type="checkbox"/>
BAC5786	ETCH CLEANING OF ALUMINUM ALLOYS	N	6-061, 6-064, 6-068	22-Jan-19	-	<input type="checkbox"/>
BAC5793	APPLICATION OF CORROSION RESISTANT FINISH FOR INTEGRAL FUEL TANKS	Y	6-106, 6-107, 6-108, 6-109, 6-110, 6-113, 6-115, 6-118, 6-120	12-Jun-19	-	<input type="checkbox"/>
BAC5804	LOW HYDROGEN EMBRITTLEMENT	AF	QPL REV -	29-Apr-20	P	<input type="checkbox"/>
BAC5807	APPLICATION OF HIGH TEMPERATURE EPOXY PRIMER	P	N/A	7-Aug-18	-	<input type="checkbox"/>
BAC5810	PHOSPHATING	M	6-022, 6-023	7-Aug-18	P	<input type="checkbox"/>
BAC5811	APPLICATION OF BONDED SOLID FILM LUBRICANTS	W	QPL REV - for BAC5811 rev W, 6-027, 6-034	25-Aug-20	P	★
BAC5845	APPLICATION OF POLYURETHANE TOPCOAT	V	6-064, 6-073	24-Dec-19	-	<input type="checkbox"/>
BAC5854	LOW HYDROGEN EMBRITTLEMENT STYLUS CADMIUM PLATING	L	6-009, 6-010, 6-011, 6-012	7-Aug-18	-	<input type="checkbox"/>

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BAC5868	APPLICATION OF REFERENCE INFORMATION, PART NUMBERS, AND SERIAL NUMBERS ON PRINTED-CIRCUIT BOARDS	P	6-025	7-Aug-18	P	<input type="checkbox"/>
BAC5875	FABRICATION OF ALUMINUM MARKERS AND ALUMINUM AND PLASTIC APPLIQUES	T	N/A	22-Nov-18	-	<input type="checkbox"/>
BAC5882	APPLICATION OF URETHANE COMPATIBLE PRIMER	N	6-021	13-Jan-20	-	<input type="checkbox"/>
BAC5928	THERMAL CUTTING OF METALS	K	6-009	7-Aug-18	P	<input type="checkbox"/>
BAC5951	GLASS BEAD PEENING	E	N/A	13-Jun-19	P	<input type="checkbox"/>
BAC5969	ELECTRICAL DISCHARGE MACHINING	E	6-005	7-Aug-18	P	<input type="checkbox"/>
BAC5982	LASER CUTTING OF METAL	C	N/A	7-Aug-18	-	<input type="checkbox"/>
BACD2074	FASTENER CODES AND SYMBOLS- DESIGN DETAIL	BF	N/A	9-Jul-20	-	<input type="checkbox"/>
BACD2079	HELICAL COIL INSERT HOLE DETAIL	D	N/A	4-Feb-20	-	<input type="checkbox"/>
BACD2097	SURFACE TEXTURE (U.S. CUSTOMARY AND METRIC)	AA	N/A	7-Aug-18	-	<input type="checkbox"/>
BMS5-45	FUEL TANK SEALANT	L	QPL REV -	13-Aug-19	-	<input type="checkbox"/>
BMS10-11	CHEMICAL AND SOLVENT RESISTANT FINISH	AD	QPL REV - for BMS10-11 rev AD	14-Jul-20	P	<input type="checkbox"/>
BMS7-122	CONSUMABLE ELECTRODE VACUUM ARC REMELTED 4330 MODIFIED (AMS 6411) STEEL	E	N/A	19-Sep-20	-	*
BMS7-26	STEEL BAR, FORGING STOCK, FORGINGS, AND TUBING - 4340 MODIFIED	R	QPL REV ORG	7-Aug-18	P	<input type="checkbox"/>
BSS7039	LIQUID PENETRANT INSPECTION	D	6-004, 6-009	14-Mar-20	-	<input type="checkbox"/>
BSS7040	MAGNETIC PARTICLE INSPECTION	C	N/A	7-Aug-18	-	<input type="checkbox"/>
BSS7084	PRE-APPROVED STATISTICAL SAMPLING PLANS	A	N/A	7-Aug-18	-	<input type="checkbox"/>

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BSS7217	AIR CLEANLINESS, SHOP COMPRESSED AIR	C	N/A	7-Aug-18	-	<input type="checkbox"/>
BSS7219	INTERGRANULAR ATTACK, TEST METHOD	E	N/A	7-Aug-18	-	<input type="checkbox"/>
BSS7235	ADHESION TEST METHOD, PLATING	B	N/A	7-Aug-18	-	<input type="checkbox"/>
BSS7321	HYDROGEN DETECTION INSTRUMENT TEST METHOD	G	N/A	7-Aug-18	-	<input type="checkbox"/>
BSS7350	ROCKWELL HARDNESS TESTING PROCEDURES	F	N/A	11-Jun-19	-	<input type="checkbox"/>
BSS7600	EMPLOYEE CERTIFICATION, GENERAL REQUIREMENTS	Y	6-016	22-Aug-20	-	★
BSS7621	HYDROGEN DETECTION INSTRUMENT OPERATOR, PERSONNEL CERTIFICATION FOR	F	N/A	7-Aug-18	-	<input type="checkbox"/>
BSS7636	ETCH INSPECTION OF GROUND OR MACHINED STEEL PARTS, EMPLOYEE CERTIFICATION FOR	H	N/A	7-Aug-18	-	<input type="checkbox"/>
BSS7666	VISION REQUIREMENTS, EMPLOYEE CERTIFICATION FOR	H	N/A	12-Jan-19	-	<input type="checkbox"/>
BSS7698	NONDESTRUCTIVE INSPECTION, EMPLOYEE CERTIFICATION FOR	K	N/A	28-Nov-18	-	<input type="checkbox"/>
D2-5000	PROTECTIVE FINISH CODES	CH	N/A	7-Aug-18	P	<input type="checkbox"/>
D6-5000	SPECIAL COMMERCIAL AIRPLANE COMPANY FINISH CODES	BM	N/A	5-Feb-20	P	<input type="checkbox"/>