

Standard: PS 501

Title: Boeing Process Specification Index

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E	S Ford	20200204	ECNEU03144
F	S Ford	20200602	ECNEU03428
G	S Ford	20200709	ECNEU03754
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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 manufacture 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 1-xxx and 6-xxx. From July 2020 newly released PSDs are numbered 1-xxx and those numbered 6-xxx will be replaced or incorporated over time. 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 All PSDs have a revision level of -, unless otherwise specified.

- 4.5 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
- 4.6 Date range of notifications included in this revision:-
- 4.6.1 Oldest 28-Sep-2023 (D6-5000)
- 4.6.2 Newest 15-Feb-2024 (BAC5312)
- 4.7 For new entries (marked with change bar in the right-hand margin) the date given is:-
- 4.7.1 The date of release of the newest 1-xxx or 6-xxx PSD or
- 4.7.2 The latest revision if there are no 1-xxx or 6-xxx PSDs.
- 4.8 **Note 1 for Rev T**: BAC 5307 was raised in issue twice:
- 4.8.1 BAC 5307 rev AG on 18 Feb 2023
 - 4.8.1.1 Also released on 18 Feb 2023 were:
 - PSD 1-011 rev A
 - PSD 1-012 rev B
 - PSD 1-014 rev C
 - PSD 1-020 rev A
- 4.8.2 BAC 5307 rev AH on 4 May 2023
 - 4.8.2.1 Also released on 4 May 2023 were:
 - PSD 1-012 rev C
 - PSD 1-014 rev D
 - PSD 1-019 rev A
 - PSD 1-021 rev -
- 4.9 **Note 2 for Rev T**: the change in revision status of BAC5034-1 from K to L had been missed from rev P of this document .
- 4.9.1 Dated 22 Jun 2022 the release notification included:-
 - BAC5034-1 Revision L
 - PSD 1-001 rev A
 - PSD 1-002 rev -
- 4.9.2 Additionally BAC5034-1 has been further updated to rev M, dated 5 May 2023 the release notification included:-
 - BAC5034-1 Revision M
 - PSD 1-001 Rev B
 - PSD 1-002 Rev A
- 4.10 Note 3 (rev V): the following notification had been missed:-
- 4.10.1 Dated 26 Jul 2023, which should have been included in rev U, the release notification covered PSD 1-5 rev A for BAC 5807

- 4.11 Note 4 (rev V): D6-5000 was raised in issue twice
- 4.11.1 Rev BY released on 28-Sep-2023
- 4.11.2 Rev CA released on 5-Dec-2023

Process Spec No.	Title	Rev	PSD	Date of most recent update	Р	*
BAC5000	SEALING, GENERAL	BB	6-278, 6-281, 6-285, 6-286, 6-294, 1-012 rev A, 1-013, 1-014, 1-015 rev A, 1-016 rev A, 1-017 rev A, 1-018, 1-019, 1-020, 1-021, 1-022, 1-023, 1-024, 1-025, 1-026, 1-011 rev A	1-Sep-23	Ρ	
BAC5004	INSTALLATION OF PERMANENT FASTENERS	R	6-118, 6-130, 6-131, 6-139, 1-004	13-Apr-23	Ρ	
BAC5008	APPLICATION OF LUBRICANTS	V	1-007 rev A, 1-008, 1-010, 1-011	21-Dec-21	-	
BAC5009	BOLT AND NUT INSTALLATION	AG	6-154, 6-179, 1-007	10-May-23	Ρ	
BAC5010	APPLICATION OF ADHESIVES	AB	N/A	7-May-21		
BAC5019	CHROMIC ACID ANODIZING	AA	6-135, 6-145, 1-005, 1-006, 1-007, 1-008	16-May-23	Ρ	
BAC5027	INSTALLATION OF AIR PRESSURE SEALS ON CABLE ASSEMBLIES	Y	N/A	7-Aug-18	Ρ	
BAC5032	GRINDING OF CHROMIUM PLATE	G	6-009, 6-012, 6-013, 1-005	16-Jun-21	Ρ	
BAC5034	TEMPORARY PROTECTION OF PRODUCTION MATERIALS, PARTS, AND ASSEMBLIES	Т	1-007, 1-008, 1-009, 1-010	1-Jun-22	Ρ	
BAC5034-1	TEMPORARY PROTECTION OF PRODUCTION MATERIALS, PARTS AND ASSEMBLIES WITH COATINGS	К	1-001	2-Oct-20	-	
BAC5034-2	TEMPORARY PROTECTION OF PRODUCTION MATERIALS, PARTS AND ASSEMBLIES WITH NONADHERENT FILM AND SHEET COVERINGS	J	1-001, 1-002, 1-003, 1-004	15-Jun-22	Ρ	
BAC5034-3	TEMPORARY PROTECTION OF PRODUCTION MATERIALS, PARTS AND ASSEMBLIES WITH PRESERVATIVES	E	1-001, 1-002	7-Jun-22	Ρ	

Process Spec No.	Title	Rev	PSD	Date of most recent update	Р	*
BAC5034-4	TEMPORARY PROTECTION OF PRODUCTION MATERIALS, PARTS, AND ASSEMBLIES WITH PRESSURE SENSITIVE TAPE	R	1-001	8-Feb-24	Ρ	*
BAC5047	FLUID TIGHT FASTENER INSTALLATION	М	6-104, 6-106, 6-107, 6-108, 6-109, 6-110	7-Feb-19	Ρ	
BAC5052	SOLDERING AND BRAZING ELECTRIC CONNECTIONS	Е	N/A	20-Dec-85		
BAC5064	INSTALLATION OF INSERTS, PANEL FASTENERS AND RELATED HARDWARE	F	6-052, 6-054, 1-001, 1-002 rev A, 1-003, 1-004, 1-015	17-Jan-24	Ρ	*
BAC5117	ELECTRICAL BONDING	AG	N/A	7-Feb-20		
BAC5157	FABRICATION OF ELECTRIC WIRE BUNDLES	Т	N/A	19-Dec-18		
BAC5158	INSTALLATION OF ELECTRIC WIRING	AA	1-003, 1-004, 1-005, 1-006 rev A	27-Oct-22		
BAC5162-5	ASSEMBLY OF MIL-DTL-26500 CIRCULAR CONNECTORS	R	N/A	22-Sep-08		
BAC5300	FORMING, STRAIGHTENING AND FITTING METAL PARTS	N	N/A	7-Aug-18	Ρ	
BAC5300-1	SURFACE AND EDGE INTEGRITY OF METAL PARTS	К	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	Т	1-007 rev A, 1-008, 1-009	20-Jan-23	Ρ	
BAC5307	PART MARKING	AJ	6-289, 6-316, 1-011 rev A, 1-012 rev C, 1-014 rev D, 1-017, 1-018, 1-019 rev A, 1-020 rev A, 1-021	28-Oct-23	Ρ	*

Process Spec No.	Title	Rev	PSD	Date of most recent update	Р	*
BAC5312	APPLICATION OF PLASTIC FILM MARKERS	Y	1-007 rev B, 1-008, 1-009 rev A, 6-051, 1-010	15-Feb-24	Ρ	*
BAC5338	ACID ETCH AND ELECTROCHEMICAL ETCH MARKING	Н	N/A	31-Jul-19	-	
BAC5401	STORAGE, HANDLING, ISSUANCE AND AGE CONTROL OF RUBBER OR RUBBER-LIKE MATERIALS	F	6-003	5-Jan-19	Ρ	
BAC5407	CEMENTING OF METAL TO WOOD OR PLASTICS	В	N/A	7-Aug-18	Ρ	
BAC5408	VAPOR DEGREASING	Р	N/A	6-Nov-21	-	
BAC5423	PENETRANT METHODS OF INSPECTION	Y	6-155	14-Mar-20	Ρ	
BAC5424	MAGNETIC PARTICLE INSPECTION	V	1-005	16-Dec-23	Р	*
BAC5432	CASTING AND POTTING WITH RESINS	AJ	6-065, 1-007	31-Jul-20		
BAC5435	BEARING INSTALLATION AND RETENTION	AA	6-062, 6-074, 6-075, 1-005, 1-010	18-Jan-23	Ρ	
BAC5436	ETCH INSPECTION OF GROUND OR MACHINED STEEL PARTS	J	6-072, 6-074, 1-007, 1-008, 1-009, 1-010	9-Apr-21	Ρ	
BAC5439	ULTRASONIC INSPECTION	J	6-023	20-Dec-18	Р	
BAC5440	HOLE PREPARATION, MACHINING, AND GRINDING OF STEELS	L	6-046, 6-051	11-Jun-19	Ρ	
BAC5506	INSTALLATION OF ELASTOMERIC SEALS	K	1-005, 1-006	22-Nov-21		
BAC5550	POTTING OF ELECTRIC CONNECTORS	L	6-043	30-May-12		
BAC5602	HEAT TREATMENT OF ALUMINUM ALLOYS	AH	6-182, 6-184, 6-203, 1-006, 1-007 rev A, 1-008, 1-009	8-Mar-22	Ρ	
BAC5604	BELT GRINDING OF WEAR COATINGS	Α	N/A	7-Aug-18	Р	

Process Spec No.	Title	Rev	PSD	Date of most recent update	Р	*
BAC5617	HEAT TREATMENT OF ALLOY STEELS	W	N/A	4-Apr-19	Р	
BAC5618	CARBURIZING AND NITRIDING OF STEELS	F	N/A	7-Aug-18	Р	
BAC5619	HEAT TREATMENT OF CORROSION RESISTANT STEEL	L	1-005, 1-006	24-Jun-22	Ρ	
BAC5621	TEMPERATURE CONTROL FOR PROCESSING OF MATERIALS	М	N/A	22-Jul-21	-	
BAC5625	SURFACE TREATMENTS FOR FERROUS ALLOYS	Н	6-068, 6-069, 6-070, 6-071, 1-003 (rev A), 1-004, 1-005	9-May-23	Ρ	
BAC5632	BORIC ACID - SULFURIC ACID ANODIZING	G	1-003	2-Jun-23	Ρ	
BAC5640	NITRIDING OF STEEL	В	1-001, 1-002, 1-003	8-Jun-22	Р	
BAC5641	CARBURIZING OF CARBON AND ALLOY STEELS	D	N/A	14-Oct-21	Ρ	
BAC5650	HARDNESS TESTING	E	6-004, 6-005, 6-008	7-Aug-18	-	
BAC5656	ABRASIVE WATERJET CUTTING FOR METALS AND METAL-COMPOSITE HYBRIDS	E	N/A	7-Aug-18	Ρ	
BAC5669	VIBRATORY PEENING	A	N/A	7-Aug-18	Ρ	
BAC5701	CADMIUM PLATING	R	1-010	10-May-22	Ρ	
BAC5709	HARD CHROMIUM PLATING	Y	QPL REV - to BAC5709 rev Y 1-006 rev A, 1-007, 1-008	28-Mar-23	Ρ	
BAC5710	APPLICATION OF SPECIAL PURPOSE COATINGS	AD	6-144, 6-146, 6-147, 1-010	11-May-21	-	
BAC5716	PREPARATION OF COLORED ANODIC FILMS	Н	N/A	7-Aug-18	Ρ	

Process Spec No.	Title	Rev	PSD	Date of most recent update	Р	*
BAC5718	LOW HYDROGEN EMBRITTLEMENT CADMIUM PLATING	J	QPL REV A 6-027, 6-028	7-Aug-18	Ρ	
BAC5719	CHEMICAL CONVERSION COATINGS FOR ALUMINUM AND ALUMINUM ALLOYS	AB	1-004, 1-005, 1-006, 1-007, 1-008, 1-009, 1-010, 1-011, 1-012	9-Oct-20	Ρ	
BAC5720	PROTECTION OF THE INTERIOR OF STRUCTURAL TUBING	D	N/A	7-Aug-18	-	
BAC5722	COPPER PLATING	F	N/A	18-Oct-19	-	
BAC5725	STRIPPING ORGANIC MATERIALS	K	1-005, 1-008	2-Mar-23	-	
BAC5730	SHOT PEENING	V	1-003, 1-004 rev A, 1-005 rev A	20-Sep-23	-	
BAC5736	APPLICATION OF CHEMICAL AND SOLVENT RESISTANT FINISHES	AE	6-196, 6-209, 1-010, 1-011, 1-012 rev A, 1-013 rev A, 1-014 rev B, 1-015 rev A, 1-017	12-Oct-23	Р	*
BAC5744	MANUAL CLEANING (COLD ALKALINE, SOLVENT EMULSION AND FOAM CLEANERS)	J	N/A	11-Mar-20	-	
BAC5748	ABRASIVE CLEANING, DEBURRING, AND FINISHING	W	1-005, 1-006 rev A, 1-007	16-May-23	Ρ	
BAC5749	ALKALINE CLEANING	Y	6-133, 6-178, 6-179, 6-180, 1-012	2-Mar-23	-	
BAC5750	SOLVENT CLEANING	V	1-008, 1-009, 1-010, 1-011, 1-012 1-013 rev B, 1-014 rev A	17-Aug-22	-	
BAC5751	CLEANING, DESCALING AND SURFACE PREPARATION OF FERROUS ALLOYS	N	6-069, 1-004	2-Mar-23	Р	
BAC5755	APPLICATION OF INTERIOR DECORATIVE FINISHES	AG	1-006, 1-007, 1-008	24-Dec-20	-	
BAC5765	CLEANING AND DEOXIDIZING ALUMINUM ALLOYS	AB	1-008, 1-009, 1-010, 1-011, 1-012, 1-013, 1-014, 1-015, 1-016, 1-017, 6-217,	28-Oct-23	-	*

Process Spec No.	Title	Rev	PSD	Date of most recent update	Р	*
BAC5771	STRIPPING INORGANIC FINISHES	L	n/a	26-Oct-23	-	*
BAC5786	ETCH CLEANING OF ALUMINUM ALLOYS	N	6-061, 6-064, 6-068	22-Jan-19	-	
BAC5793	APPLICATION OF CORROSION RESISTANT FINISH FOR INTEGRAL FUEL TANKS	AB	6-106, 6-107, 6-108, 6-109, 6-110, 6-118, 6-121, 6-122, 6-123	19-Nov-20	-	
BAC5804	LOW HYDROGEN EMBRITTLEMENT	AJ	QPL REV A to BAC5804 Rev AJ 1-007 Rev A, 1-008, 1-009	30-Mar-23	Ρ	
BAC5807	APPLICATION OF HIGH TEMPERATURE EPOXY PRIMER	Р	1-005 rev A	26-Jul-23	-	*
BAC5810	PHOSPHATING	N	1-007	6-Oct-23	Ρ	*
BAC5811	APPLICATION OF BONDED SOLID FILM LUBRICANTS	W	QPL REV G to BAC5811 rev W 6-027, 6-034, 1-007, 1-008, 1-009	8-Dec-23	Ρ	*
BAC5845	APPLICATION OF POLYURETHANE TOPCOAT	V	6-073, 1-007	3-Oct-20	-	
BAC5854	LOW HYDROGEN EMBRITTLEMENT STYLUS CADMIUM PLATING	N	N/A	2-Sep-23	-	
BAC5868	APPLICATION OF REFERENCE INFORMATION, PART NUMBERS, AND SERIAL NUMBERS ON PRINTED- CIRCUIT BOARDS	R	N/A	27-Jan-21	Ρ	
BAC5875	FABRICATION OF ALUMINUM MARKERS AND ALUMINUM AND PLASTIC APPLIQUES	U	1-005 rev -	20-Jan-23	-	
BAC5882	APPLICATION OF URETHANE COMPATIBLE PRIMER	Р	1-006, 1-007, 1-008, 1-009	6-Mar-21	-	
BAC5928	THERMAL CUTTING OF METALS	К	6-009	7-Aug-18	Ρ	
BAC5951	GLASS BEAD PEENING	Е	N/A	13-Jun-19	Ρ	
BAC5969	ELECTRICAL DISCHARGE MACHINING	F	N/A	20-Nov-20	Ρ	

Process Spec No.	Title	Rev	PSD	Date of most recent update	Р	*
BAC5982	LASER CUTTING OF METAL	С	N/A	7-Aug-18	-	
BACD2074	FASTENER CODES AND SYMBOLS- DESIGN DETAIL	BH	N/A	26-Oct-23	-	*
BACD2079	HELICAL COIL INSERT HOLE DETAIL	E	N/A	25-Aug-22	-	
BACD2097	SURFACE TEXTURE (U.S. CUSTOMARY AND METRIC)	AA	N/A	7-Aug-18	-	
BMS5-45	FUEL TANK SEALANT	N	QPL REV A	12-May-23	-	
BMS10-11	CHEMICAL AND SOLVENT RESISTANT FINISH	AE	QPL REV A to BMS10-11 rev AE	7-Dec-22	Ρ	
BMS10-79	URETHANE COMPATIBLE, CORROSION RESISTANT PRIMER	Т	QPL REV –	24-Apr-18	-	
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	Ρ	
BSS7039	LIQUID PENETRANT INSPECTION	D	6-004, 6-009	14-Mar-20	-	
BSS7040	MAGNETIC PARTICLE INSPECTION	D	1-002, 1-003	16-Dec-23	-	*
BSS7084	PRE-APPROVED STATISTICAL SAMPLING PLANS	A	N/A	7-Aug-18	-	
BSS7217	AIR CLEANLINESS, SHOP COMPRESSED AIR	С	N/A	7-Aug-18	-	
BSS7219	INTERGRANUAL ATTACK, TEST METHOD	E	N/A	7-Aug-18	-	
BSS7235	ADHESION TEST METHOD, PLATING	В	N/A	7-Aug-18	-	
BSS7321	HYDROGEN DETECTION INSTRUMENT TEST METHOD	G	N/A	7-Aug-18	-	
BSS7350	ROCKWELL HARDNESS TESTING PROCEDURES	F	N/A	11-Jun-19	-	

Process Spec No.	Title	Rev	PSD	Date of most recent update	Р	*
BSS7600	EMPLOYEE CERTIFICATION, GENERAL REQUIREMENTS	AA	1-001, 1-002	20-Dec-23	-	*
BSS7621	HYDROGEN DETECTION INSTRUMENT OPERATOR, PERSONNEL CERTIFICATION FOR	F	N/A	7-Aug-18	-	
BSS7636	ETCH INSPECTION OF GROUND OR MACHINED STEEL PARTS, EMPLOYEE CERTIFICATION FOR	J	N/A	21-Dec-21	-	
BSS7666	VISION REQUIREMENTS, EMPLOYEE CERTIFICATION FOR	J	N/A	4-Oct-23	-	*
BSS7698	NONDESTRUCTIVE INSPECTION, EMPLOYEE CERTIFICATION FOR	K	1-001, 1-002	6-Oct-23	-	*
D2-5000	PROTECTIVE FINISH CODES	СК	1-001 rev A	15-Mar-23	Ρ	
D6-5000	SPECIAL COMMERCIAL AIRPLANE COMPANY FINISH CODES	CA	N/A	5-Dec-23	Ρ	*