

BAC5719

REVISION
AA
7/17/2014

CHEMICAL CONVERSION COATINGS FOR
ALUMINUM AND ALUMINUM ALLOYS



THIS SPECIFICATION ESTABLISHES THE REQUIREMENTS FOR APPLYING A CHEMICAL CONVERSION COATING ON ALUMINUM AND ALUMINUM ALLOYS TO INCREASE CORROSION RESISTANCE, ACT AS A PAINT BASE, AND PROVIDE AN ELECTRICALLY CONDUCTIVE FINISH.

<u>BAC 5719 DEPARTURES</u>	<u>EFF DATE</u>	<u>SUBCONTRACTOR(S) AFFECTED</u>	<u>ON MODELS</u>	<u>MFG DEPTS OF DIV BELOW AFFECTED</u>	<u>REASON</u>
6-111	11/25/1998	NORTHROP GRUMMAN	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	NONE	TO ALLOW GRUMMAN THE USE OF EXISTING ALODINE 600 SOLUTION
6-131	5/7/2002	NONE	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCAG	THIS WILL SUPPORT THE USE OF SMALL TANKS
6-136	10/31/2003	NONE	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	SHOPS T-4920 AND A-8700	TO ALLOW SALT SPRAY TESTING ON 6061-T6 ALLOY WHICH IS MORE REPRESENTATIVE OF ACTUAL SHOP PRODUCTION. THIS IS AN RE-ISSUE OF PSD6-106
6-137	10/31/2003	NONE	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	SHOPS T-4900 AND A-8700	TO ALLOW A PROCESS FOR ACID CLEANING OF TUBING WITH MILL CODE MARKINGS AS AN OPTION TO ALKALINE CLEANING.
6-138	7/2/2004	NONE	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	BCAG AUBURN, SALT LAKE CITY AND WICHITA ONLY	TO ALLOW THE USE OF READY-TO-USE CHEMICAL CONVERSION COATING SOLUTIONS IN 55 GALLON PROCESSING TANKS WITHOUT CHEMICAL ADDITIONS
6-142	11/24/2004	KOREAN AIRLINES (AEROSPACE DIVISION)	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	NONE	TO ALLOW KAL (AEROSPACE DIVISION) TO USE SALT SPRAY CORROSION TEST SPECIMENS. 0.032 TO 0.063 INCH THICK BY 3 INCHES WIDE BY 5 INCHES LONG WHEN PROCESSING IN SMALL TANKS (LESSS THAN 55 GALLONS EACH).
6-143	9/14/2006	NONE	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	SHOP A-7340 Only	ALLOW SHOP A-7340 TO IMMERSION RINSE IN 140 f MAXIMUM FOR 2 TO 5 MINUTES, FOLLOWING CHEMICAL CONVERSION COATING.
6-144	5/10/2006	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCAG AND SUPPORTING	CHANGE TABLE II AND FL 10 ALODINE 1600/1660 MAKE-UP AND CONTROL REQUIREMENTS.
6-145	3/20/2007	BLUE STREAK FINISHERS	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	NONE	TO ALLOW MULTIPLE IMMERSION METHOD AS AN OPTION FOR PUMPED ALUMINUX 100 ALKALINE ETCHANT AND DEOXIDIZE SOLUTIONS FOR TUBING.
6-147	4/18/2007	NONE	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	SHOPS A-8700 and A-7300	TO ALLOW MULTIPLE IMMERSION METHOD AS AN OPTION FOR PUMPED TEA ALKALINE ETCHANT AND DEOXIDIZE SOLUTIONS FOR TUBING
6-148	1/8/2009	TC SYSTEMS	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	NONE	TO ALLOW SMALL DIAMETER 6061 ALUMINUM TUBING TO BE PROCESSED USING MULTIPLE IMMERSION METHOD.
6-149	8/28/2009	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING	TO ALLOW SOLVENT CLEANING AS A PREPERATION FOR TYPE II APPLICATION OF CONVERSION COATING OF FULL SIZED HOLES
6-150	1/5/2010	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING	TO ALLOW PH ADJUSTMENT WITH NITRIC ACID FOR TYPE I ALODINE 1500 SOLUTIONS
6-152	6/15/2010	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING	TO ADD A DEFINITION FOR TUBE AND TO REVISE PROCESSING OF SMALL DIAMETER TUBING.
6-153	6/23/2011	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	RENTON: R-3480, EVERETT: TD30P, T-B353, T-B356, U-B310	ALLOW THE USE OF CHEMICAL CLEANING ON SKIN QUALITY ALUMINUM PRIOR TO ALODINING. ADD THREE ADDITIONAL EVERETT SEAL, TEST, AND PAINT ORGINIZATIONS. ADD ANDROX 1250.
6-154	5/29/2012	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING	TO CLARIFY THE USE OF ALKALINE ETCH CLEANING AS A SURFACE PREPERATION PRIOR TO CHEMICAL CONVERSION TREATMENT.
6-156	12/10/2015	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING	TO ALLOW THE USE OF ALTERNATIVE APPLICATION MATERIALS FOR MANUAL CONVERSION COATING TREATMENT.
6-157	12/6/2017	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING	TO UPDATE HENKEL PRODUCT NAMES.
6-158	7/18/2019	ARNPRIO AEROSPACE INC (CANADA AND MEXICO SITES)	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	NONE	ALLOW PROCESSOR TO USE LOCALLY AVAILABLE NITRIC ACID
6-82	2/6/1992	NONE	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	BCAG WICHITA ONLY	ALL ELEVATED TEMPERATURE RINSE FOLLOWING APPLICATION OF ALODINE 1200
6-96	11/1/1996	NONE	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	A-8910 AND A-3943	TO PROVIDE SHOPS A-8910 AND A-3943 OPTION FOR CLEANING WELDED ASSEMBLIES WITH OPEN FAYING SURFACES.
8-1	8/22/2011	ALL	ICH-47F	ALL BOEING PHILADELPHIA AND SUPPORTING	TO ALLOW MANUFACTURE'S RECOMMENDED CONCENTRATION FOR ALODINE 1200S.
9-4	8/28/1997	NONE	581/583 (B-2)	BOEING NORTH AMERICAN, NORTH AMIERCAN AVIATION DIV.,	TO ALLOW USE OF LOCALLY AVAILABLE PROCESSING CONDITIONS.
9-6	8/5/1999	NONE	204 (E-3A) 667 (767 AWACS)	BOEING DEFENSE AND SPACE GROUP (EL PASO ONLY)	REVISE REQUIREMENTS FOR EL PASO REQUIREMENTS
9-8	10/13/2000	ALL	581-583 (B-2)	BOEING DEFENSE AND SPACE GROUP AND SUPPORTING	REVISE REQUIREMENTS TO ALLOW MIL-P-85582 PRIMER. REF RDR'S R-107, R-119, S-2723
9-12	8/11/2015	ALL	ALL BDS EXCEPT 581 (B-2) AND 809 (P-8)	BDS AND SUPPORTING (EXCEPT EL PASO OPERATIONS)	TO PROVIDE INSTRUCTION FOR COLORED CONVERSION COATINGS. REVISE MFG BLOCK TO EXCLUDE EL PASO OPERATIONS.
9-13	9/3/2015	ALL	737 MMA, P8 (809)	BDS AND SUPPORTING (EXCEPT EL PASO OPERATIONS)	TO PROVIDE INSTRUCTION FOR COLORED CONVERSION COATINGS.