

BAC5436

REVISION
G
9/6/2002

ETCH INSPECTION OF GROUND OR
MACHINED STEEL PARTS



THIS SPECIFICATION ESTABLISHES THE PROCESSING PROCEDURES AND REQUIREMENTS FOR ETCH INSPECTION OF GROUND OR MACHINED PARTS FOR THE DETECTION OF GRINDING OR MACHINING BURNS, CASE LEAKAGE, OR DECARBURIZATION. IT IS INTENDED TO BE USED FOR THE INSPECTION OF BEARING DETAILS, PARTS IDENTIFIED D1 IN ACCORDANCE WITH BAC5617 ON THE ENGINEERING DRAWING, ALL SURFACES OF CARBURIZED PARTS, AND THROUGH-HARDENED LOW ALLOY AND ALLOY STEEL PARTS REQUIRING NITAL ETCH INSPECTION IN ACCORDANCE WITH THE ENGINEERING DRAWING.

<u>BAC 5436 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>
6-51	11/22/1995	WESTLAND HELICOPTERS, LTD. YEOVIL, ENGLAND	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	NONE	TO ALLOW THE USE OF SUPPLIER'S OWN PROCESS SPECIFICATION
6-53	1/15/1998	ASHOT ASHKELON INDUSTRIES, LTD.	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	NONE	TO ALLOW THE USE OF A WATER DISPLACING COMPOUND IN LIEU OF HOT WATER RINSING.
6-61	4/4/2000	DOWTY AEROSPACE WOLVERHAMPTON, U.K.	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	NONE	TO REMOVE AMMONIUM PERSULFATE AS AN APPROVED ETCHANT AND ADD AN ALTERNATIVE CORROSION PREVENTIVE.
6-70	10/22/2010	GOODRICH LANDING GEAR	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING	TO ALLOW A LONGER CYCLE TIME FOR LARGER PARTS.
6-71	10/18/2011	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING	TO ALLOW LIQUID FORMS OF SODIUM HYDROXIDE.
6-72	12/5/2014	UTC AEROSPACE SYSTEMS	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	NONE	UTC AEROSPACE SYSTEMS USES THE SAME TANK FOR ALKALINE CLEAN AS IT USES FOR POST ETCH RINSE AT THE TULLAHOMA SHOP.
6-74	3/24/2017	LIEBHERR-AEROSPACE LINDENBURG GMBH	777X	NONE	TO ALLOW LIEBHERR-AEROSPACE LINDENBERG GMBH TO USE THEIR OWN PROCESS SPECIFICATION FOR NITAL ETCH.
8-23	8/25/2010	AGUSTAWESTLAND	CH-47	NONE	TO INCLUDE AN ADDITIONAL HYDROCHLORIC ACID SOLUTION FOR USE AT AGUSTAWESTLAND
8-25	8/22/2012	ALL	ALL BDS PHILADELPHIA	ALL BDS PHILADELPHIA AND SUPPORTING	TO ALLOW LOCAL NITAL ETCHING OF BMS7-223 AND M50 STEEL, ADD GRAY SCALE REQUIREMENT, ADD MINIMUM TRAINING EXPERIENCE PRIOR TO INDEPENDENT INSPECTION, AND CANCEL OBSOLETE DEPARTURES.
8-26	5/16/2017	ALL	ALL BOEING PHILADELPHIA	ALL BOEING PHILADELPHIA AND SUPPORTING	TO ADD NITAL ETCH INSPECTION PROCEDURE FOR FERRIUM C61 STEEL.
9-2	2/17/1994	ALL	581 494 (F-22)	BOEING DEFENSE AND SPACE GROUP AND SUPPORTING	TO CONVERT PSD FOR F-22 USAGE.
9-6	9/15/2004	NOT AVAILABLE			
9-7	12/17/2008	NORTHSTAR (AMAD)	494	NONE	TO ALLOW SUPPLIER TO USE THEIR ALKALINE RINSE SOLUTION.