

# BAC5619

REVISION  
H  
8/5/1992

HEAT TREATMENT OF CORROSION  
RESISTANT STEEL



<u>BAC 5619 DEPARTURES</u>	<u>EFF DATE</u>	<u>SUBCONTRACTOR(S) AFFECTED</u>	<u>ON MODELS</u>	<u>MFG DEPTS OF DIV BELOW AFFECTED</u>
6-51	4/7/2008	MOOG, CURTISS-WRIGHT, SHIMADZU, AND THEIR HEAT-TREAT	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING
6-52	4/23/2010	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING
6-53	7/12/2011	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING
6-56	6/5/2015	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING
8-8	4/15/1992	ALL	ALL BH	BOEING HELICOPTERS & SUPPORTING
8-9	9/19/1995	SUPPLIERS OF PH13-8MO ROTOR COMPONENTS	H-46	NONE
8-10	11/30/2009	ALL	ALL BH	BOEING HELICOPTERS & SUPPORTING
8-11	7/23/2012	ALL	ALL BDS PHILADELPHIA	ALL BDS PHILADELPHIA AND SUPPORTING
9-4	3/25/1994	ALL	581	BOEING DEFENSE AND SPACE GROUP AND SUPPORTING
9-5	3/18/1994	ALL	C/KC-135	PRODUCT SUPPORT DIVISION
9-7	10/20/2000	ALL	683, 684 (ISSA) 494 (F-22)	ALL BOEING DEFENSE AND SPACE GROUP AND SUPPORTING
9-8	3/19/2004	NOT AVAILABLE		
9-9	3/19/2004	NOT AVAILABLE		
9-11	10/31/2007	ALL	IDS-WICHITA	IDS-WICHITA
9-12	3/6/2015	ALL	KC-46	BDS AND SUPPORTING

THIS SPECIFICATION ESTABLISHES THE REQUIREMENTS FOR THE HEAT TREATMENT OF CORROSION RESISTANT STEELS.

**REASON**

TO ADD PROVISIONS FOR THROUGH HARDENING HEAT TREATMENT OF CRONIDUR 30 (X30) AND XD 15 NW
TO REVISE QUENCHING REQUIREMENTS FOR AISI 321 AND AISI 347 STAINLESS STEEL.
TO ADD HEAT TREAT REQUIREMENTS AND CLARIFY OTHER INSTRUCTIONS. REVISE PRECIPITATION HARDENING REQUIREMENTS FOR BMS7-364 (UNS S46500).
ADD HEAT TREATMENT FOR BMS7-398 TYPE 2, MLX17™ AND ADD FURNACE TEMPERATURE IN SECTION 8.4.X.2.a
TO ADAPT BAC5619 FOR USE AT BOEING HELICOPTERS
TO MINIMIZE THE NEED TO RE-PRECIPITATION HARDEN H-46 DCU COMPONENTS MADE OF PH13-8MO CRES.
TO CHANGE THE HEAT TREATMENT REQUIREMENTS FOR PRECIPITATION HARDENING 17-7PH CRES TO CONDITION RH950.
TO PROVIDE CONDITION H1025 (155-175 KSI, 35-39 HRC) TO BAC5619 FOR 17-4PH AND 15-5PH.
CONVERT L- PSDS TO 9- PSDS
ALLOW USAGE ON C/KC-135 UPDATE TO REVISION H OF BAC5619.
TO PROVIDE 155 TO 175 KSI (CONDITION H1025) HEAT TREAT FOR 15-5PH.
TO PROVIDE 150 TO 165 KSI AND 155 TO 170 KSI HEAT TREAT (CONDITION H1025) FOR 15-5PH.
ADD HEAT TREAT REQUIREMENTS AND CLARIFY OTHER INSTRUCTIONS. REVISE PRECIPITATION HARDENING REQUIREMENTS FOR BMS7-364 (UNS S46500).