

Service Letter

TECHNICAL ASPECTS
FAA-DER APPROVED

Service Letter: No. 311

Subject: Air Conditioning System Electrical Change

Date: October 17, 1996

Applicability: All Bell Helicopter Model 206L-4 modified IAW STC SR00036SE (Twin Engine), and equipped with ACC 206EC-204 Air Conditioning System.

Reference: 1. F.A.A./S.T.C. # SH2750NM, Bell 206 series Air Conditioning System.
2. Drawing # 206EC-840.

Compliance: Mandatory.

Background: This service letter is issued at the request of Bell Helicopter in order to prevent a potential electrical overload of the existing power source on this aircraft.

Air Conditioning Electrical System Installation:

Purpose: To improve the air conditioning electrical system load distribution in the Bell 206L-4 Twin Ranger.

Air Conditioning Electrical system Installation: (Cont)

Bill of Materials:

Item	Part Number	Description	Qty.
1	8 AWG	Wire Mil-W-22759/41-C	6 Ft
2	35108	Terminal	2

JUL 07 2004


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Air Conditioning Electrical system Installation Instructions:

1. Disconnect battery power to the aircraft.
2. Remove the two 14 gauge wires (ACCA1A14 and ACCA5A14) which provide power to the evaporator blowers and condenser blower
3. Replace with the 8 gauge wire and connectors shown in Bill of Materials. The wires from the circuit breakers to main buss #1 and Main Buss #2 should be connected as shown on the enclosed drawing.
4. Reconnect battery and confirm system operation.

Weight & Balance: There is negligible change to the weight of the new electrical installation as compared to the previous system.

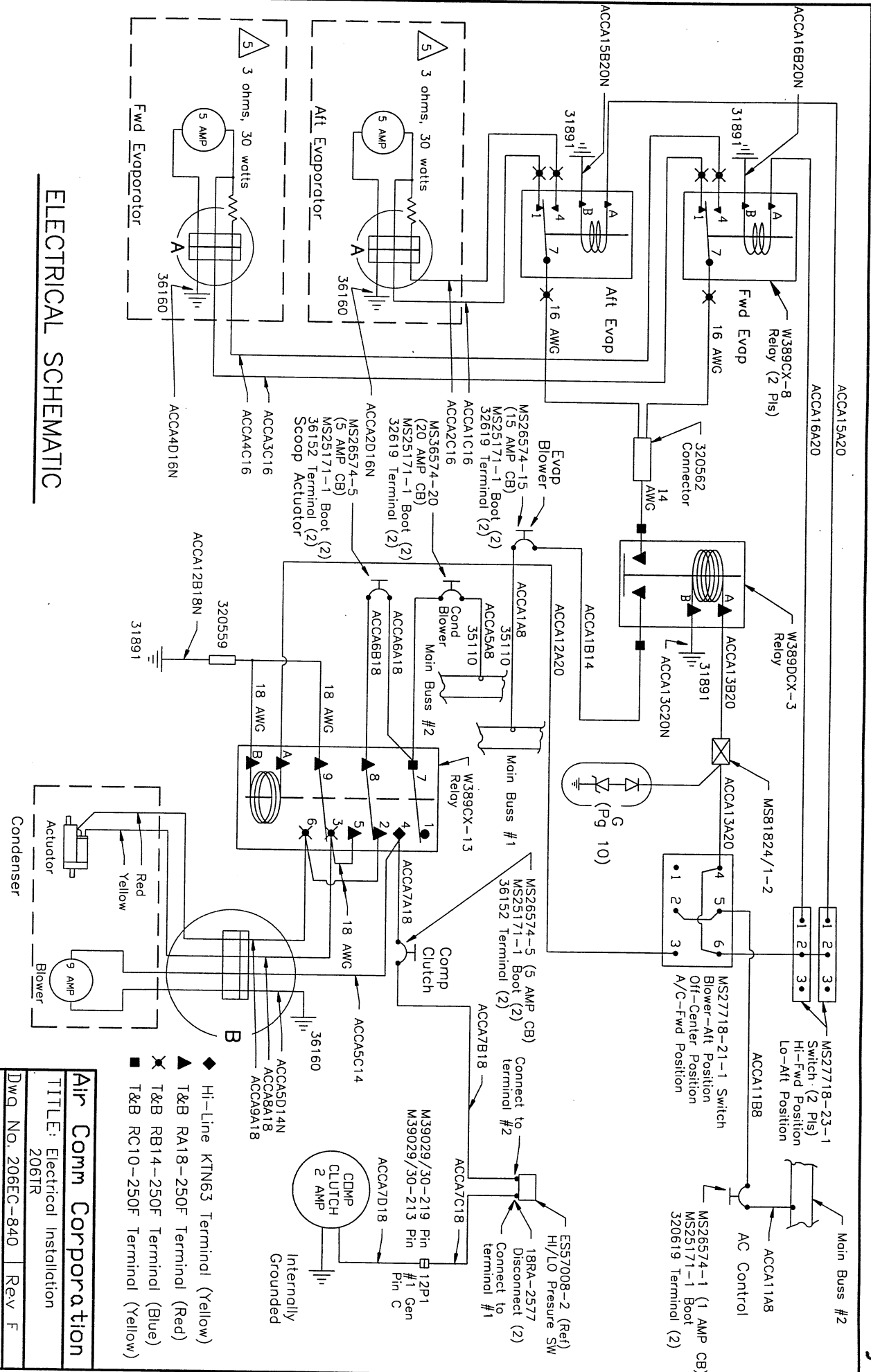
Revision History:

Rev	Date	Description	Approval
A	9/24/96	Relocates elec. pwr fm unil buss to main buss 1 & 2.	NS
B	9/27/96	Adds before and after electrical schematics.	NS
C	10/17/96	Deletes reference to S/N to include all applicable aircraft.	

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ELECTRICAL SCHEMATIC



- ◆ Hi-Line KTN63 Terminal (Yellow)
- ▲ T&B RA18-250F Terminal (Red)
- T&B RB14-250F Terminal (Blue)
- T&B RC10-250F Terminal (Yellow)

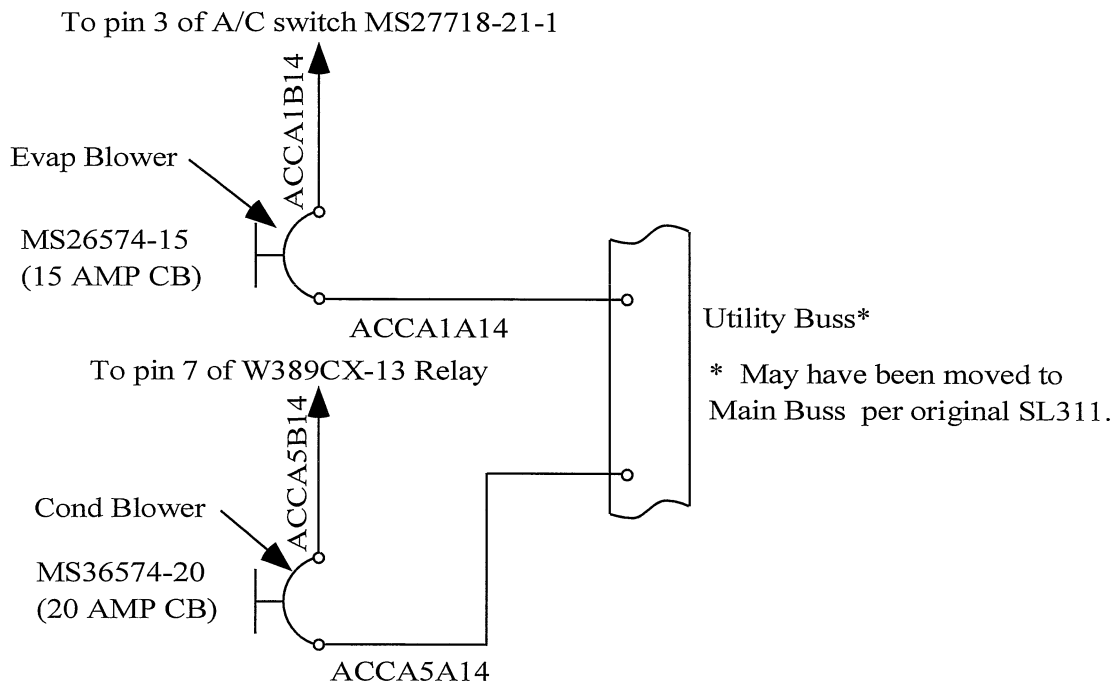
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TITLE: Electrical Installation
206TR

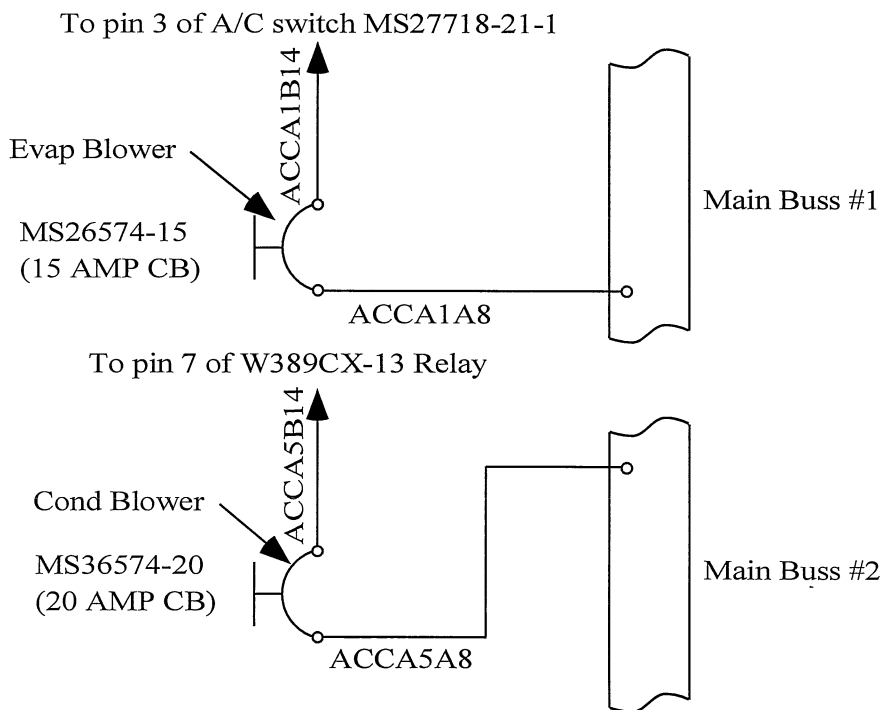
DWG No. 206EC-840 Rev F
Sheet 9 of 10

JUL 07 2004

Was:



Change to:



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