

**Service Bulletin**

**FAA-DER APPROVED**

Service Bulletin: SB 412-203

Subject: Bell 412 Air Conditioner Aft Evaporator Circuit Breaker Replacement.

Date: 9 July 1997

Applicability: Bell Helicopter Model 412 Equipped with the Air Comm Corporation Air Conditioning System.  
(Excludes Serial numbers 36130, 36132, 36134).

Reference:

1. F.A.A. / S.T.C. # SR00066DE, Bell 412 Air Conditioning System.
2. Electrical Installation Drawing # 412AC-800 & (412AC-802 Serial # 36064)
3. Bell 412 Air Conditioner Maintenance Instructions; 412AC-200M

Compliance: At the desecration of the operator:  
(Suggested within 25 hours, to insure the continued operation of Aft Evaporator Blower motors.)

**I. Discussion:**

It has been noted under certain environmental conditions that the amperage draw on the Aft evaporator blowers maybe near the limit of the 20 amp circuit breaker capacity.

**II. Purpose:**

This Service Bulletin provides a change to the Electrical system, to improve the operational integrity of the Aft Evaporator Blower Motors.

**III. Bill of Materials:**

Qty.	Part Number	Description
1	MS14105-25 (Alt. 420-002-25)	25 amp circuit breaker

IV. Removal and Replacement of Aft Evaporator Circuit Breaker Instructions.

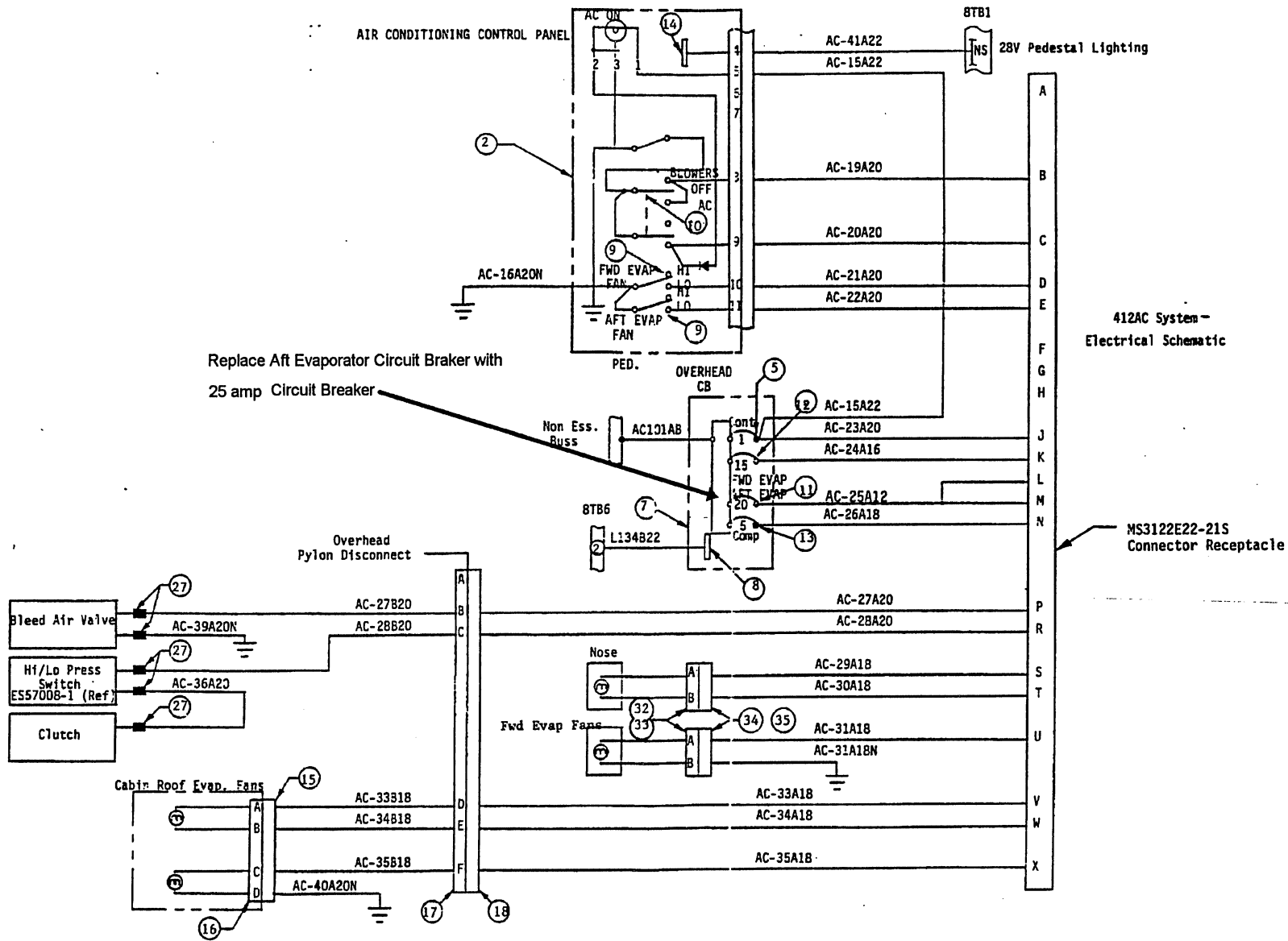
**Caution**

Disconnect Battery and Remove External power from aircraft before starting work!

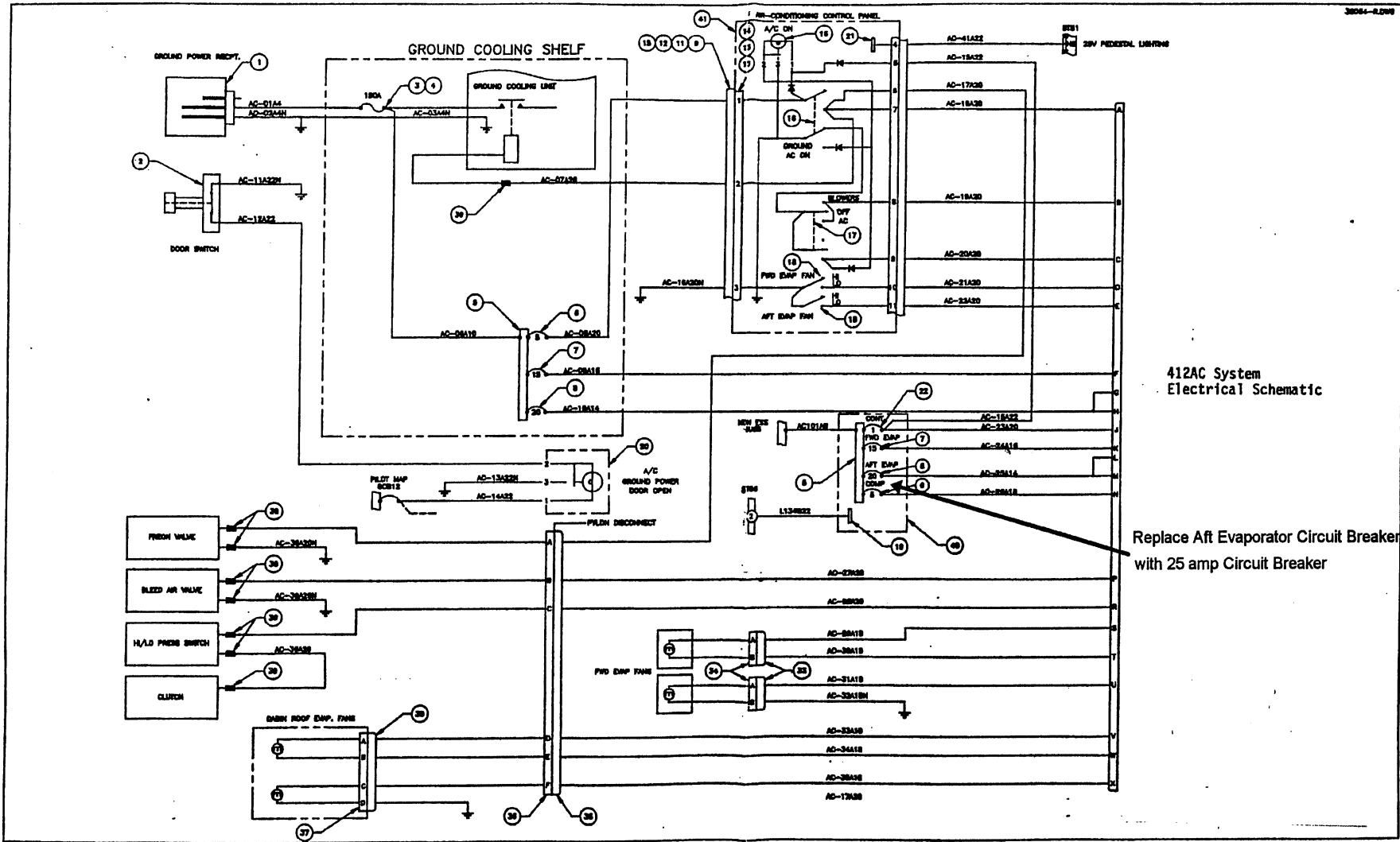
1. Identify and remove Aft Evaporator 20 amp circuit breaker from overhead cockpit circuit breaker panel.
2. Discard 20 amp circuit breaker, and install replacement 25 amp circuit breaker in its place.
3. Restore power to aircraft systems, and perform maintenance operational check of air conditioning system.

See page 3 of 4 for electrical schematic (Excludes Serial # 36064, See page 4 of 4).

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412 Air Conditioner Electrical Schematic



412AC System Electrical Schematic

Replace Aft Evaporator Circuit Breaker with 25 amp Circuit Breaker

412 Air Conditioner Electrical Schematic (Serial # 36064 Only)