

**Service Letter**

**FAA-DER APPROVED**

Service Letter: No. 317

Subject: Air conditioning system, Temperature Control electrical circuit change.

Date: July 3, 1996

Applicability: Bell Helicopter Model 206 L-4

Reference:

1. F.A.A./S.T.C. # SH2750NM, Bell 206 L-4 Air Conditioning System.
2. Drawing# : 206EC-833-1 (R12 Dual FWD Evaporator)
3. Drawing# : 206EC-838-2 (R134a Dual FWD Evaporator)

Compliance: Optional - Suggested change at next regularly scheduled maintenance.

The suggested change is required to ensure proper operation of the temperature control system. The new Temperature Control electrical circuit will be offered as a replacement for previous installations when the aircraft is scheduled for its next maintenance. This document provides a Bill of Material listing and instructions to install the new electrical components in the air conditioning system.

**Temperature Control Electrical Circuit Installation:**

Purpose: To improve the performance of the Temperature Control System in the Bell 206 L-4 Series Helicopters.

**(continued on next page)**

**JUL 07 2004**

Approved \_\_\_\_\_

**Bill of Materials:**

Item	Part Number	Description	Qty.
1	S-2500EC-57	PLACARD	1
2	W389CX-3	RELAY	1
3	ES57170-3	THERMOSTAT SWITCH	1

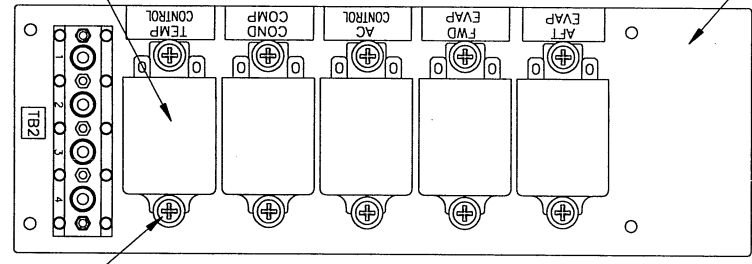
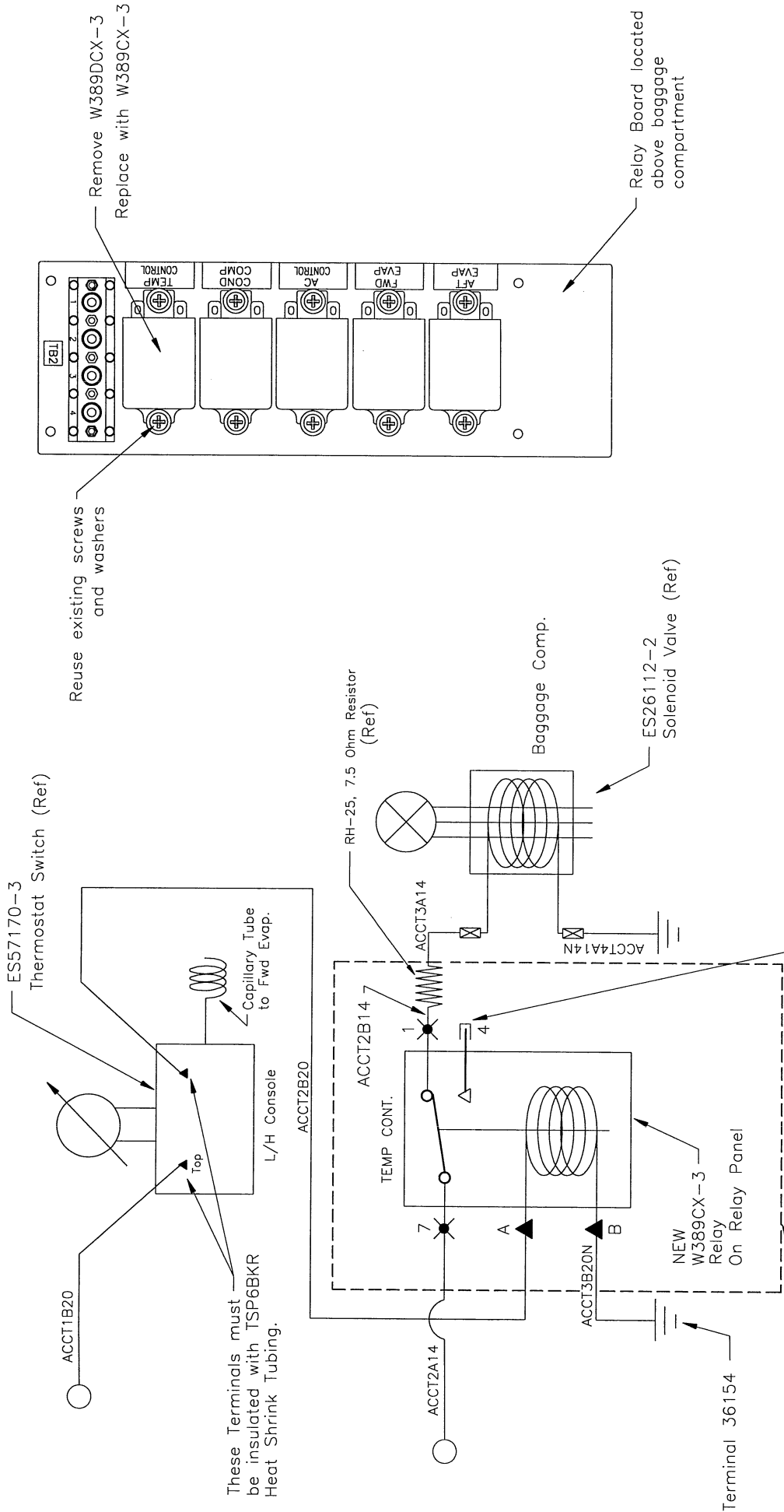
**Temperature Control Electrical Circuit Revision Instructions:**

1. Disconnect power to the Temperature Control System by pulling the Temp Control and main Air Cond circuit breakers. The Temp Control circuit breaker is located above the baggage compartment and the Air Cond circuit breaker is located in the cockpit overhead panel.
2. Note wire and terminal locations then disconnect wires and remove the Temp Control relay (W389DCX-3), located on the relay panel above the baggage compartment.
3. Install new relay (W389CX-3) in same position as the one that was removed using existing screws and washers.
4. Reconnect wires as shown on wiring diagram enclosed.
5. Remove the placard and the existing temperature control switch located in the cockpit on the left hand side of the center console. Replace with ES57170-3 Thermostat Switch & S-2500EC-57 Placard.
6. Confirm system operation by resetting circuit breakers and testing air conditioning system.

**Weight & Balance:** There is no change to the weight and balance.

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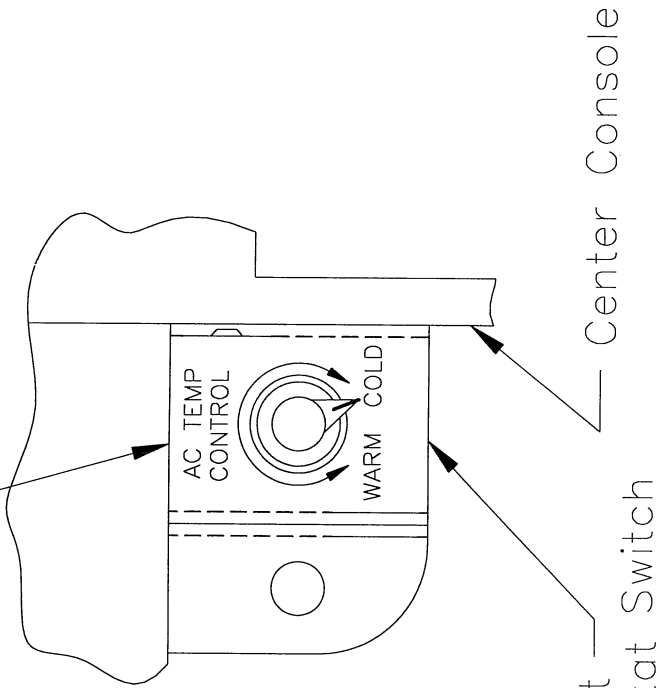
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**Temperature Control Circuitry**

Reconnect wires to new relay as shown

Remove S-2500EC-47 Placard  
and replace with S-2500EC-57 Placard

S-2500EC-57 Placard  
ES39296-1 Knob



S-6092EC-1 Support  
ES57170-3 Thermostat Switch

Temperature Control Circuitry

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