TEMPERATURE CONTROL VALVE UPGRADE

Service Bulletin (SB-1638 ATA 398908-21-1638)

OVERVIEW

Honeywell's 737 Temperature Control/Trim Air Valve (PN 398908-6) upgraded solution improves motor wiring connectivity and replaces certain components that will reduce valve wear failure modes. These improvements will provide greater longevity and reduce unscheduled removals by 20-50%.

PROBLEM

Operators have been experiencing unscheduled removals attributed to motor faults on the Temperature Control Valve 398908-3 and 398908-5, with the rotary electromechanical actuator, PN 2740028-2. Honeywell repair centers investigations identified leakage around butterfly seal rings in the valve body and potential issues with switches and capacitors on this actuator and, due to these, motor faults.

SOLUTION

The New TCV upgrade includes a full valve overhaul (zero time). By replacing the actuator with the upgraded capacitor, bearings, seals, and wiring improvements, this SB will help reduce delays and cancellations due to intermittent faults. The upgrades are available through Honeywell and authorized channel partners. Honeywell and Boeing will furnish parts necessary for this service bulletin, when using authorized channel partners.



UPGRADE BENEFITS

- By making the upgrade there is improved reliability providing reduced unscheduled events and increased service intervals on a zero-time unit
- New -6 motor that is hard wired directly
- Improved electrical retainer design
- New exchange also available

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