



**Model 6355C
Stabilizer Trim Motor**

Eaton's Stabilizer Trim Motors (STM) Model 6355B0001-02 and -03 have been used on Boeing's 737-600/700/800/900 aircraft, starting with Line #1423, delivered in December 2003. The "B" model has been superseded by Model 6355C, and replacement parts for the "B" model will be available for a limited time only — estimated at 3 years, based on usage. Parts scheduled for future obsolescence include:

- EMI Filter Assembly
- Brushless DC Motor Assembly
- Voltage Reference
- Control Board Assemblies
- Isolated Drive Transmitter
- Isolated FET Driver

Eaton's new Model 6355C STM is two-way interchangeable with prior STM units (refer to 737NG IPC 27-41-71-01, item 40). Upgrading to the newer "C" model provides several benefits, including:

- Improved reliability
- System weight reduction
- Demonstrated performance — six years in operation; over 1,000 units in service
- Provides commonality across fleet while reducing spares requirements

Boeing's 737-300/ 400/500, line numbers 1037 through 2932 can be upgraded through PMA.

Eaton's new Model 6355C Stabilizer Trim Motor features:

- Brushless three phase motor design
- Low loss power bridge with IGBT switches
- Processor based motor commutation and velocity control
- Dual current limit (torque) control circuits
- Power up built-in test
- Continuous fault monitoring
- Fault storage (non-volatile memory)
- RS-232 test/maintenance interface
- Investment cast housing
- Two stage spur gear train
- Modular, bottom up assembly — two electronic sub-assemblies, motor, housing with gear train

Eaton offers discounted pricing and a four year warranty on all STM upgrade exchanges. Customers utilizing Eaton's Grand Rapids facility receive all inclusive service, coordinated through one facility and a 14 day TAT. Advance exchanges are available with a fleet campaign maintenance plan.



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