

FAST ETM PROCESSOR - REMOVAL/INSTALLATION**1. General**

- A. This section gives the removal and installation procedures for the FAST ETM Processor. For more data concerning the FAST ETM Processor, refer to FAST Engine Trend Monitoring System - Description and Operation.

2. FAST ETM Processor Removal/Installation

- A. Remove the Processor (UT001) (Refer to Figure 401).

NOTE: Prior to removal, record the necessary information from the FAST unit to the engine logbooks (power section for PT and gas generator for CT). Refer to Retrieve and View FAST Data - Adjustment/Test.

- (1) Remove external electrical power from the airplane.
- (2) Make sure that the BATTERY switch (SC005), found on the circuit breaker switch panel, is set to the OFF position.
- (3) Set the EXTERNAL POWER switch (SC006), found on the circuit breaker switch panel, to the OFF position.
- (4) Disengage the ETM POWER and ETM CONTINUOUS POWER circuit breakers found on the relay panel just forward of the left side of the firewall.
- (5) At FS 370.80, WL 113.53 get access to the processor.
- (6) Disconnect electrical connectors PT004 and PT005 from the processor.
- (7) Disconnect coaxial connectors PT008 from the processor.
- (8) Loosen the knurled nut that attaches the processor to the mount.
 - (a) Carefully pull the processor from the mount.
- (9) Remove the processor from the airplane.

- B. Install the Processor (UT001) (Refer to Figure 401).

- (1) Put the processor in its correct position on the mount.
 - (a) Carefully push the receiver into the mount.
 - (b) Tighten the knurled nut that attaches the receiver to the mount.
- (2) Visually inspect the electrical and coaxial connectors to make sure there are no bent or damaged pins.
 - (a) Repair any damage.
- (3) Connect electrical connectors PT004 and PT005 to the processor.
- (4) Connect coaxial connectors PT008 to the processor.
- (5) Engage the ETM POWER and ETM CONTINUOUS POWER circuit breakers found on relay panel just forward of the left side of the firewall.
- (6) Configure and initialize parameters of FAST Engine Trend Monitoring System. Refer to FAST Engine Trend Monitoring System - Adjustment/Test.
- (7) Do a test of FAST Engine Trend Monitoring System. Refer to FAST Engine Trend Monitoring System - Adjustment/Test.

