

ALTAIR ENGINE TREND MONITORING TORQUE TRANSDUCER - MAINTENANCE PRACTICES**1. General**

- A. This section gives the removal and installation procedures for the Altair Engine Trend Monitoring (ETM) System torque transducer.

2. Tools and Equipment

- A. For a list of tools and equipment, refer to Altair ADAS+ Engine Trend Monitoring System - Description and Operation.

3. Torque Transducer Removal/Installation

- A. Remove the Torque Transducer (Refer to Figure 201).
- (1) Open the right engine cowling.
 - (2) Disengage the ETM POWER (CB77) and ETM CONTINUOUS POWER (CB78) circuit breakers on the left side of the engine compartment.
 - (3) Disconnect the electrical connector (PD001) from the torque transducer.
 - (4) Disconnect the oil pressure line.
 - (5) Disconnect the elbow of oil vent line.
 - (6) Put a cap on the oil vent line and oil pressure line to prevent the entry of foreign object debris.
 - (7) Remove the nut, washer, and bolt from the bracket that attaches the torque transducer to the tube.
 - (8) Remove the bracket and torque transducer.
 - (9) Remove the bolts from the clamps that attach the torque transducer to the bracket.
 - (10) Remove the torque transducer from the bracket.
- B. Install the Torque Transducer (Refer to Figure 201).
- (1) Put the torque transducer onto the bracket.
 - (2) Install the screws into the clamps that attach the torque transducer to the bracket.
 - (3) Install the bracket and torque transducer.
 - (4) Install the bolts, washers, and nuts into the bracket.
 - (5) Remove the caps on the oil vent line and oil pressure line.
 - (6) Connect the oil vent line.
 - (7) Connect the oil pressure line.
 - (8) Connect the electrical connector (PD001) to the torque transducer.
 - (9) Engage the ETM POWER (CB77) and ETM CONTINUOUS POWER (CB78) circuit breakers on the left side of the engine compartment.
 - (10) Install the engine cowlings.
 - (11) Complete a functional test of the Altair ETM System. Refer to Altair ADAS+Engine Trend Monitoring System - Adjustment/Test.

Figure 201 : Sheet 1 : Torque Transducer Installation

