CAN BUS FUEL LEVEL SENSORS - REMOVAL/INSTALLATION

1. General

This section gives the procedure for removal and installation of the Can Bus Fuel Level Sensors.

2. CAN Bus Fuel Level Sensor Removal/Installation

A. Remove the Sensor (Refer to Figure 401).

CAUTION: To prevent component damage, obey all electrostatic discharge (ESD) procedures when you remove and install the electrical system components. Refer to Chapter 20, Electrostatic Discharge - Maintenance Practices.

- (1) Remove external electrical power from the airplane.
- (2) Set the BATTERY switch (SC005) on the circuit breaker switch panel, to the OFF position.
- (3) Defuel the airplane. Refer to Chapter 12, Fuel Servicing.
- (4) Remove access panels 523BB and 511AB (left wing) or 623BB and 611AB (right wing). Refer to Chapter 6, Access Plates and Panels Identification.
- (5) Disconnect the electrical connector from the fuel level sensor.
- (6) Disconnect the fuel level sensor ground braid.
- (7) Remove the screws that attach the fuel level sensor to the bracket.
 CAUTION: Do not bend the tube. A bent tube will give incorrect operation.
- (8) Carefully remove the fuel level sensor from the fuel bay
- B. Install the Sensor (Refer to Figure 401).

NOTE: Refer to Fuel Quantity System Calibration (Airplanes with CAN bus type fuel level sensors).

CAUTION: To prevent component damage, obey all electrostatic discharge (ESD) procedures when you remove and install the electrical system components. Refer to Chapter 20, Electrostatic Discharge - Maintenance Practices.

(1) Install the new gaskets on the fuel level sensor.

CAUTION: Do not bend the tube. A bent tube will give incorrect operation.

- (2) Carefully install the fuel level sensor in the fuel bay.
- (3) Attach the fuel level sensor with screws and torque the screws to 30 inch-pounds.
- (4) Connect the electrical connector to fuel level sensor.
- (5) Connect the fuel level sensor ground braid.
- (6) Install access panels 523BB and 511AB (left wing) or 623BB and 611AB (right wing).
- (7) If the fuel level sensors are replaced, the system must be calibrated. Refer to Fuel Quantity System Calibration (Airplanes with CAN bus type fuel level sensors) Fuel Quantity (CAN Bus) Adjustment/Test.
- (8) Do a check of the fuel quantity system. Refer to Fuel Quantity (CAN Bus) Adjustment/Test.

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A71400 В **FUEL LEVEL** SENSOR TUBE **RIB FUEL LEVEL SENSOR HOUSING GROUND STUD** LOCK WASHER NUT **FUEL LEVEL GROUND GASKET** SENSOR TIP BRAID **ELECTRICAL** LOCK **CONNECTOR** WASHER **FUEL LEVEL SCREW** SENSOR TUBE **RIB** DETAILA **FUEL LEVEL** RIGHT SIDE SHOWN **SENSOR** (LEFT SIDE OPPOSITE) **HOUSING GROUND STUD** LOCK WASHER NUT **FUEL LEVEL** SENSOR TIP **GROUND BRAID GASKET SCREW** LOCK **ELECTRICAL** WASHER **CONNECTOR** DETAILB LEFT SIDE SHOWN 2610T7005 A2626T1018 B2626T1019 (RIGHT SIDE OPPOSITE)

Figure 401 : Sheet 1 : Can Bus Fuel Level Sensor

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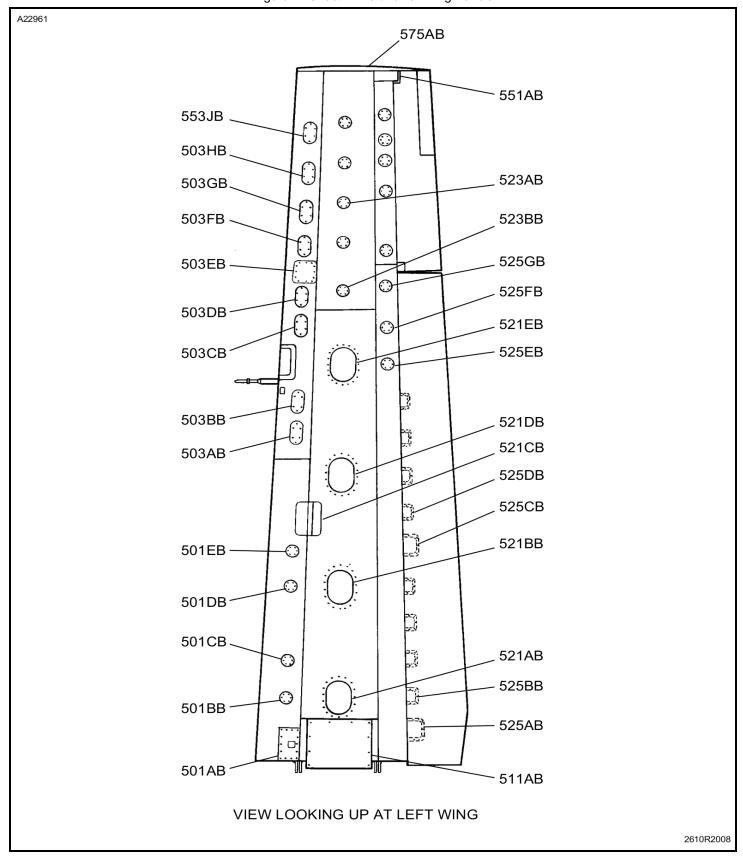


Figure 7: Sheet 1: Left Lower Wing Panels

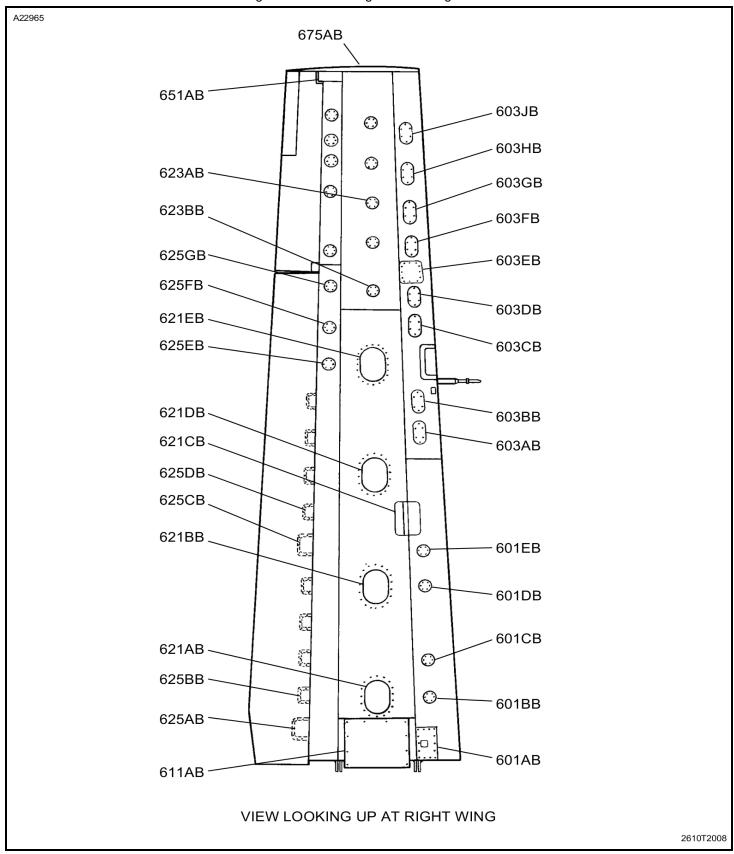


Figure 8: Sheet 1: Right Lower Wing Panels

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