



## AIRCRAFT MAINTENANCE MANUAL

### FUEL TEMPERATURE TRANSMITTER - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to remove/install the fuel temperature sensor.
- B. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
28-43-01-000-801-A	FUEL TEMPERATURE SENSOR - REMOVAL	ACFT WITH WET WINGSTUB
28-43-01-400-801-A	FUEL TEMPERATURE SENSOR - INSTALLATION	ACFT WITH WET WINGSTUB
28-43-01-000-802-A	FUEL TEMPERATURE SENSOR - REMOVAL	ACFT WITH DRY WINGSTUB
28-43-01-400-802-A	FUEL TEMPERATURE SENSOR - INSTALLATION	ACFT WITH DRY WINGSTUB



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 28-43-01-000-801-A

EFFECTIVITY: ACFT WITH WET WINGSTUB

2. FUEL TEMPERATURE SENSOR - REMOVAL

A. General

- (1) The sensor housing prevents fuel loss when the fuel temperature sensor is removed.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 32-00-01-910-801-A/200</a>	LG SAFETY PIN - INSTALLATION AND REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
155	155DZ/155EZ	Landing gear bay

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Landing gear bay

I. Preparation

SUBTASK 841-002-A

- (1) Remove access panels 155DZ/155EZ (AMM MPP 06-41-01/100) in the landing gear bay.

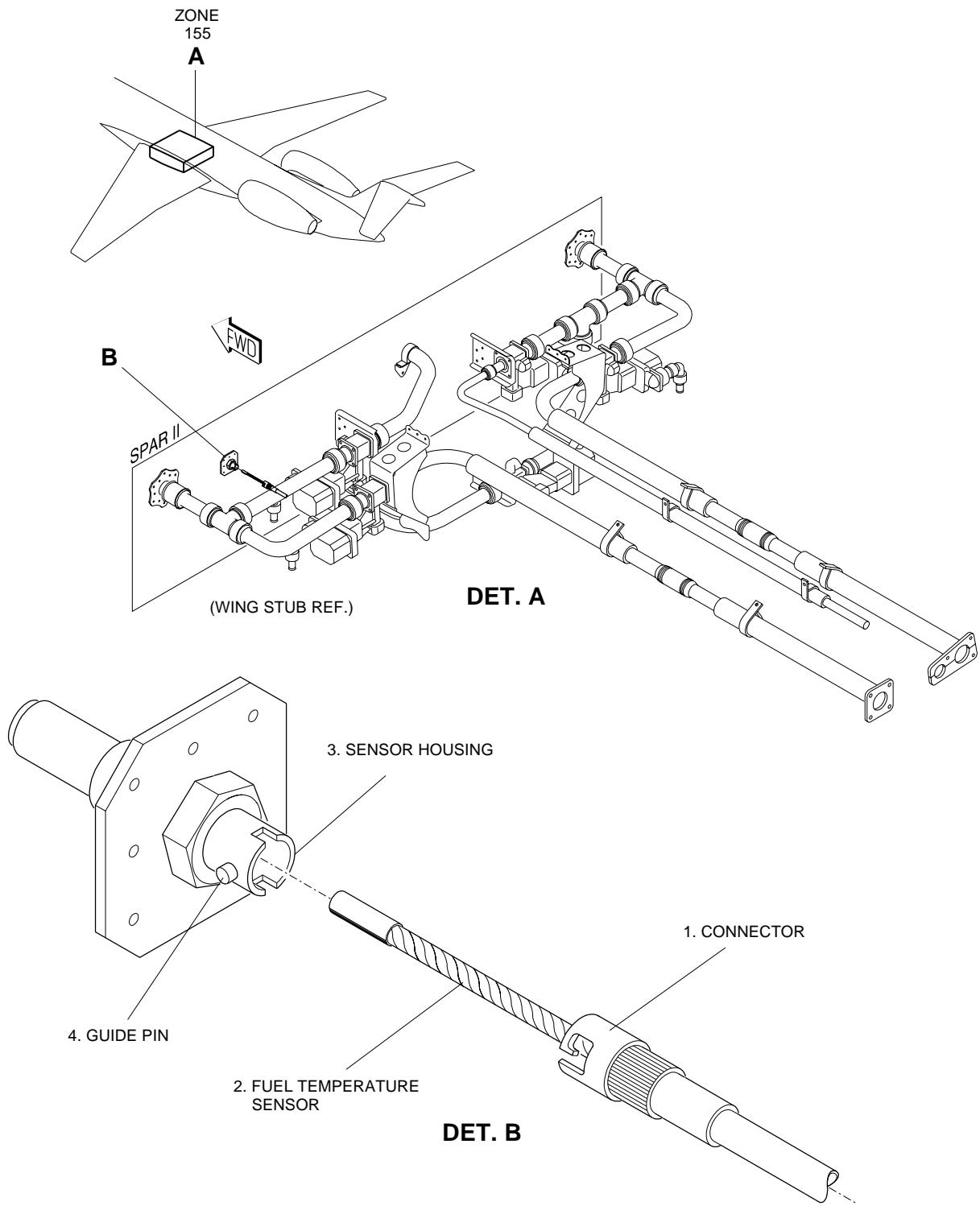
J. Removal ([Figure 401](#))

SUBTASK 020-002-A

**WARNING: MAKE SURE THAT THE LANDING GEAR SAFETY PINS ARE INSTALLED TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL ( [AMM TASK 32-00-01-910-801-A/200](#)).**

- (1) Push the connector (1) and turn it left to remove the fuel temperature sensor (2).

**EFFECTIVITY: ACFT WITH WET WINGSTUB**  
**Fuel Temperature Sensor - Removal/Installation**  
**Figure 401**



EM145AMM280134D.DGN



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 28-43-01-400-801-A

EFFECTIVITY: ACFT WITH WET WINGSTUB

3. FUEL TEMPERATURE SENSOR - INSTALLATION

A. General

- (1) The fuel temperature sensor is installed in the LH fuel tank.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 28-41-00-200-801-A/600	-
<a href="#">AMM TASK 32-00-01-910-801-A/200</a>	LG SAFETY PIN - INSTALLATION AND REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
155	155DZ/155EZ	Landing gear bay

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Landing gear bay

I. Installation (Figure 401)

SUBTASK 420-002-A

**WARNING: MAKE SURE THAT THE LANDING GEAR SAFETY PINS ARE INSTALLED TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL ( AMM TASK 32-00-01-910-801-A/200).**

- (1) Put the fuel temperature sensor (2) in position in the sensor housing (3). Align the connector (1) with the guide pin (4).
- (2) Push the connector (1) and turn it right.



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

J. Follow-on

SUBTASK 842-002-A

- (1) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Maintenance Review Board Report (MRB).

- (2) Install access panels 155DZ/155EZ (AMM MPP 06-41-01/100).



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 28-43-01-000-802-A

EFFECTIVITY: ACFT WITH DRY WINGSTUB

4. FUEL TEMPERATURE SENSOR - REMOVAL

A. General

- (1) The access to the fuel temperature sensor is got through the LH MLG (Main Landing Gear) wheelwell.
- (2) The sensor housing prevents fuel loss when the fuel temperature sensor is removed.

B. References

REFERENCE	DESIGNATION
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH MLG Wheelwell

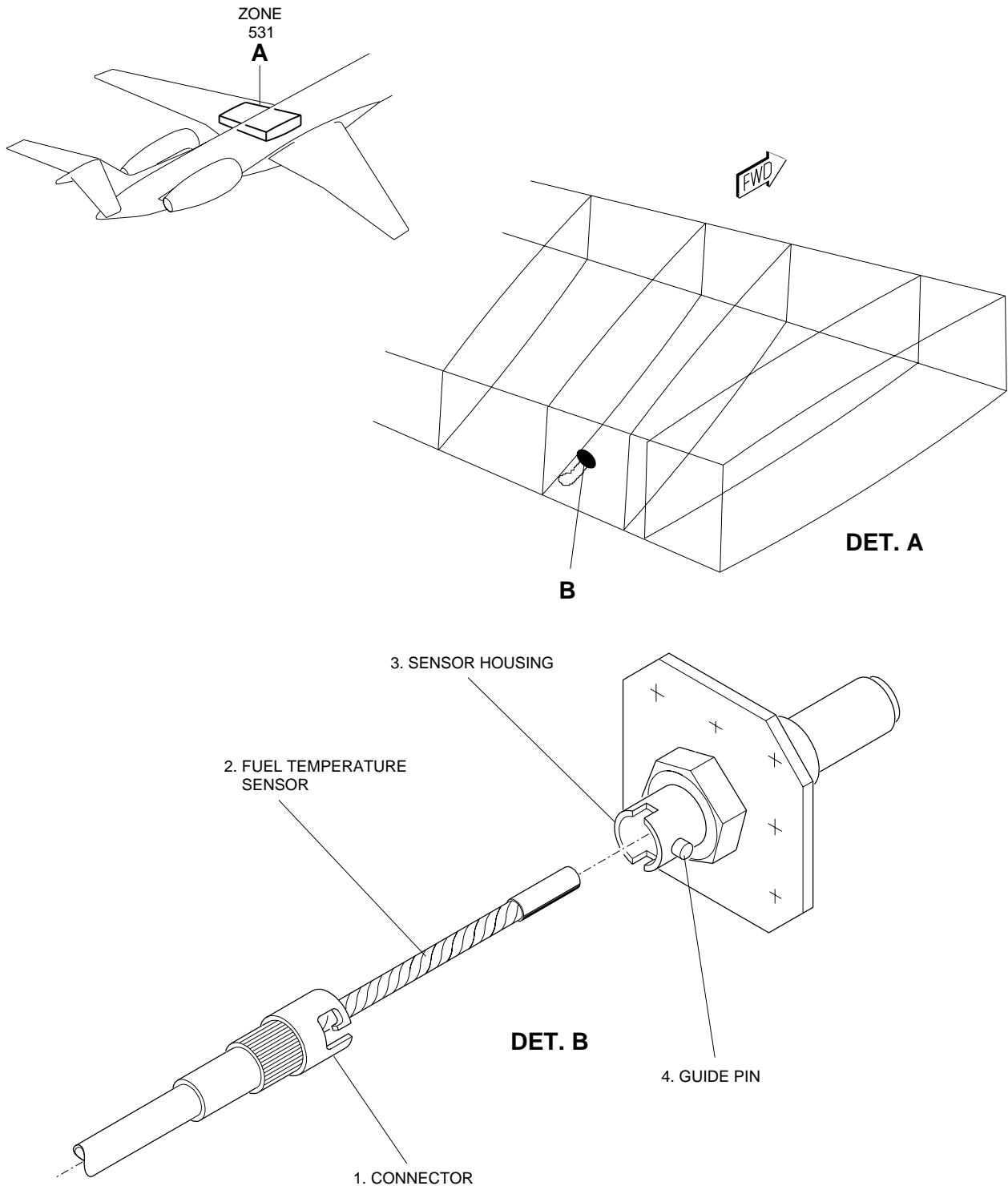
I. Removal ([Figure 402](#))

SUBTASK 020-003-A

**WARNING:** MAKE SURE THAT THE LANDING GEAR SAFETY PINS ARE INSTALLED TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL ([AMM TASK 32-00-01-910-801-A/200](#)).

- (1) Push the connector (1) and turn it left to remove the fuel temperature sensor (2).

**EFFECTIVITY: ACFT WITH DRY WINGSTUB**  
 Fuel Temperature Sensor - Removal/Installation  
 Figure 402



145AMM280071.MCE B



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 28-43-01-400-802-A

EFFECTIVITY: ACFT WITH DRY WINGSTUB

5. FUEL TEMPERATURE SENSOR - INSTALLATION

A. General

- (1) The access to the fuel temperature sensor is got through the LH MLG (Main Landing Gear) wheelwell.

B. References

REFERENCE	DESIGNATION
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH MLG Wheelwell

I. Installation (Figure 402)

SUBTASK 420-003-A

**WARNING: MAKE SURE THAT THE LANDING GEAR SAFETY PINS ARE INSTALLED TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL ( AMM TASK 32-00-01-910-801-A/200).**

- (1) Position the fuel temperature sensor (2) in the sensor housing (3). Align the connector (1) with the guide pin (4).
- (2) Push the connector (1) and turn it right.