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FUEL TEMPERATURE INDICATION - ADJUSTMENT/TEST

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*EFFECTIVITY: ALL*1. General

- A. This section gives the procedures to do the check of the fuel-temperature indication system.
- 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
28-43-00-700-801-A ♦	FUEL-TEMPERATURE INDICATION SYSTEM - FUNCTIONAL CHECK	ACFT WITH WET WINGSTUB
28-43-00-700-802-A ♦	FUEL-TEMPERATURE INDICATION SYSTEM - FUNCTIONAL CHECK	ACFT WITH DRY WINGSTUB

TASK 28-43-00-700-801-A

EFFECTIVITY: ACFT WITH WET WINGSTUB

## 2. FUEL-TEMPERATURE INDICATION SYSTEM - FUNCTIONAL CHECK

### A. General

- (1) The access to the fuel temperature sensor is got through the LH landing gear bay.
- (2) A sensor housing prevents fuel loss when the temperature sensor is removed.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 20-40-01-860-801-A/200</a>	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 28-41-00-200-801-A/600	-
<a href="#">AMM TASK 28-43-01-000-801-A/400</a>	FUEL TEMPERATURE SENSOR - REMOVAL
<a href="#">AMM TASK 28-43-01-400-801-A/400</a>	FUEL TEMPERATURE SENSOR - INSTALLATION
<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	Landing gear bay
155	155EZ	Landing gear bay

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Standard thermometer	To measure the ambient temperature	1

### 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) to get access to the fuel sensor temperature.
- (2) Energize the aircraft with an External DC Power Supply ( [AMM TASK 20-40-01-860-801-A/200](#)).

J. Functionally Check Fuel-Temperature Indication System ([Figure 501](#)) ([Figure 502](#))

*SUBTASK 720-002-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) Remove the fuel temperature sensor ( [AMM TASK 28-43-01-000-801-A/400](#)) from its housing.
- (2) Hang the thermometer in the landing gear bay, near the sensor. After 10 minutes, read and write the value found.
  - (a) Compare the temperature found in step 2 with the value shown on the MFD display at Fuel page.

Result:

1 The maximum permitted difference between these values is 0°C ± 4°C.
- (3) Install the fuel temperature sensor ( [AMM TASK 28-43-01-400-801-A/400](#)) in its housing.

K. Follow-on

*SUBTASK 842-002-A*

- (1) Deenergize the aircraft ( [AMM TASK 20-40-01-860-801-A/200](#)).
- (2) Remove the thermometer in the landing gear bay.
- (3) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

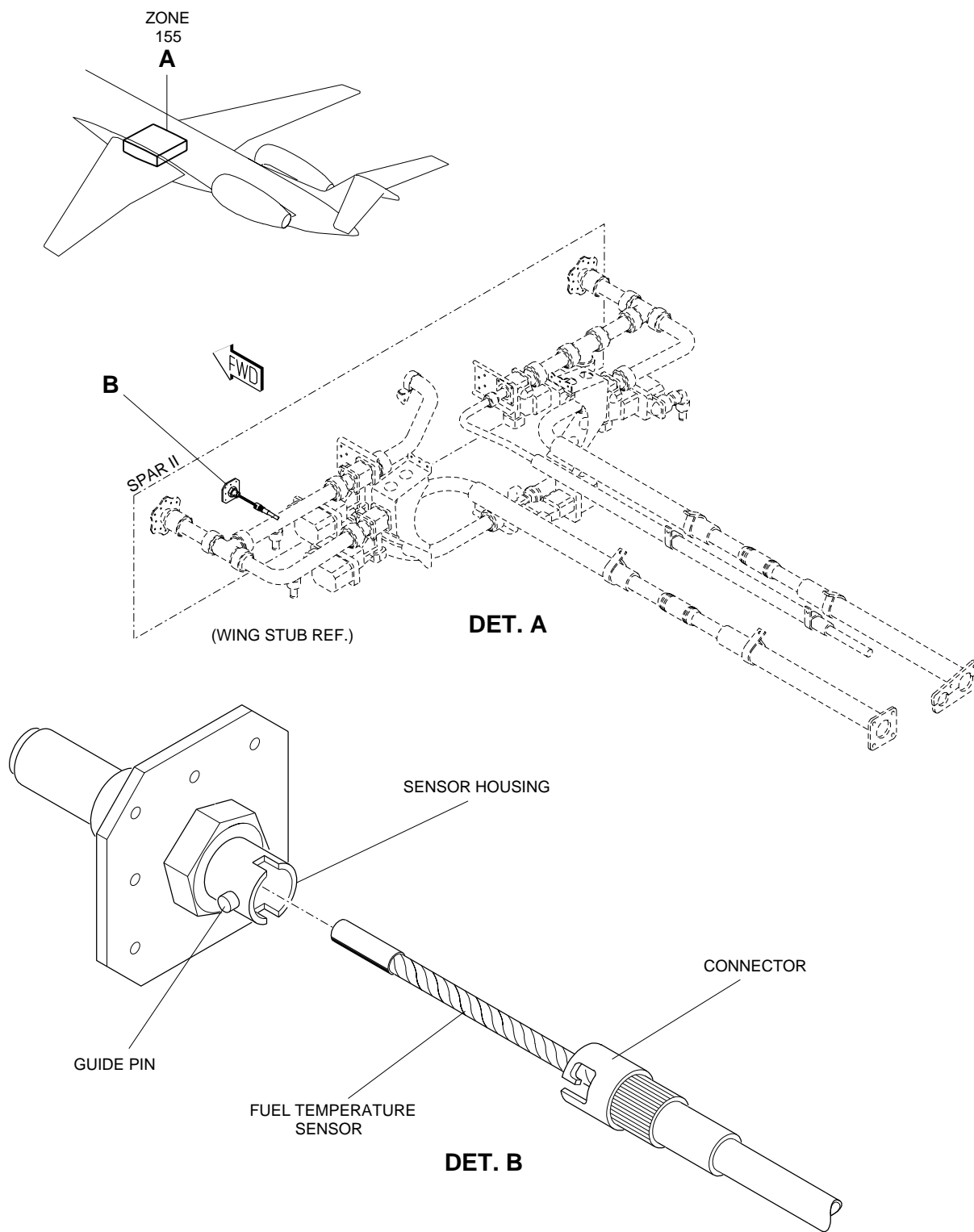
**NOTE:** The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Maintenance Review Board Report (MRB).

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

**EFFECTIVITY: ACFT WITH WET WINGSTUB**

**Fuel-Temperature Indication System - Component Locations**

Figure 501

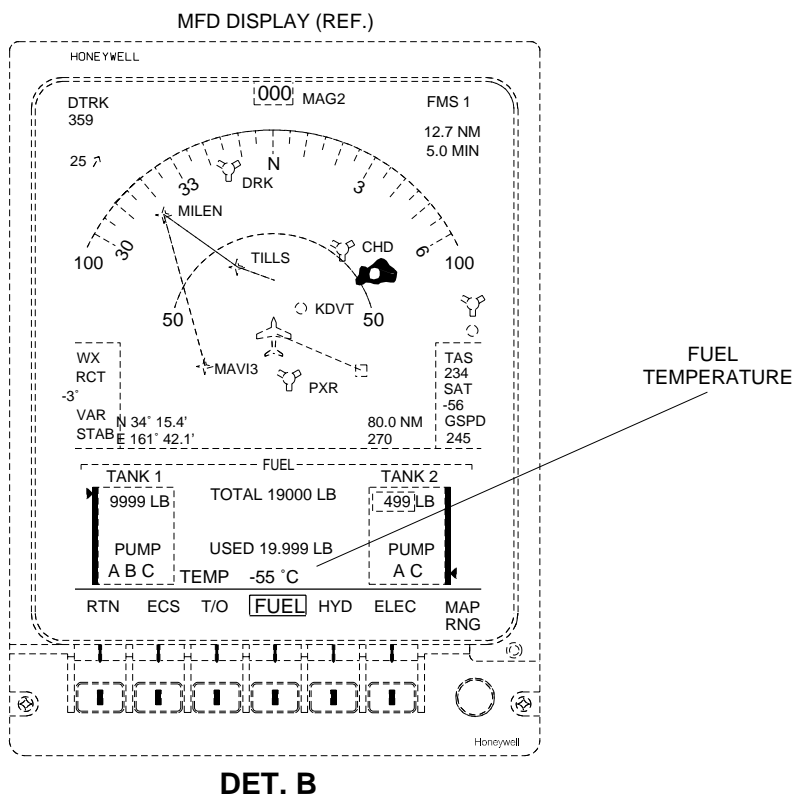
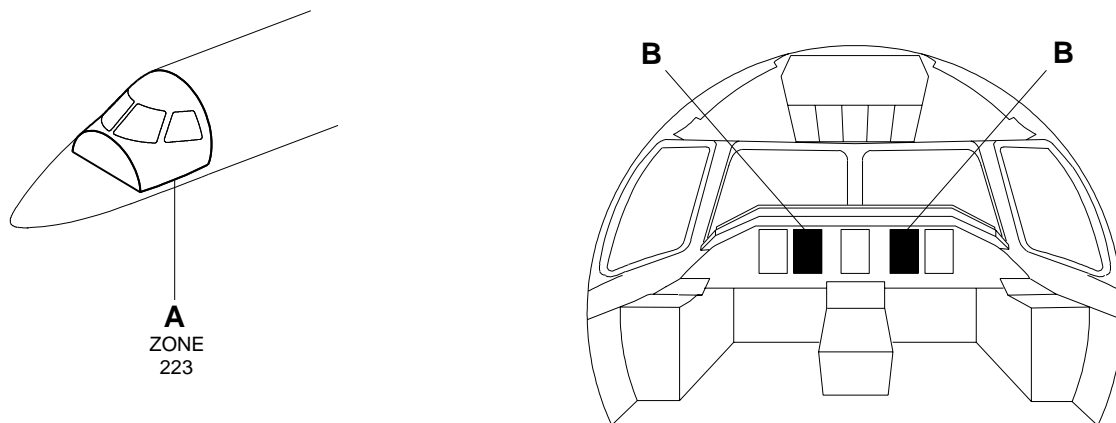


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EFFECTIVITY: ACFT WITH WET WINGSTUB

Fuel-Temperature Indication System - Component Locations

Figure 502



145AMM280016.MCE B

TASK 28-43-00-700-802-A

EFFECTIVITY: ACFT WITH DRY WINGSTUB

### 3. FUEL-TEMPERATURE INDICATION SYSTEM - FUNCTIONAL CHECK

#### A. General

- (1) The access to the fuel temperature sensor is got through the LH main landing-gear wheelwell.
- (2) A sensor housing prevents fuel loss when the temperature sensor is removed.

#### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 20-40-01-860-801-A/200</a>	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
<a href="#">AMM TASK 28-43-01-000-802-A/400</a>	FUEL TEMPERATURE SENSOR - REMOVAL
<a href="#">AMM TASK 28-43-01-400-802-A/400</a>	FUEL TEMPERATURE SENSOR - INSTALLATION
<a href="#">AMM TASK 32-00-01-910-801-A/200</a>	LG SAFETY PIN - INSTALLATION AND REMOVAL

#### C. Zones and Accesses

Not Applicable

#### D. Tools and Equipment

Not Applicable

#### E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Standard thermometer	To measure the ambient temperature	1

#### F. Consumable Materials

Not Applicable

#### G. Expandable Parts

Not Applicable

#### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH MLG Wheelwell/Cockpit

#### I. Preparation

SUBTASK 841-003-A

- (1) Energize the aircraft with an External DC Power Supply ( [AMM TASK 20-40-01-860-801-A/200](#) ).

- J. Functionally Check Fuel-Temperature Indication System (Figure 503) (Figure 502)

*SUBTASK 720-003-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) Remove the fuel temperature sensor (AMM TASK 28-43-01-000-802-A/400) from its housing.
- (2) Hang the thermometer in the LH MLG wheelwell, near the sensor. After 10 minutes, read and write the value found.
  - (a) Compare the temperature found in step 2 with the value shown on the MFD display at Fuel page.

Result:

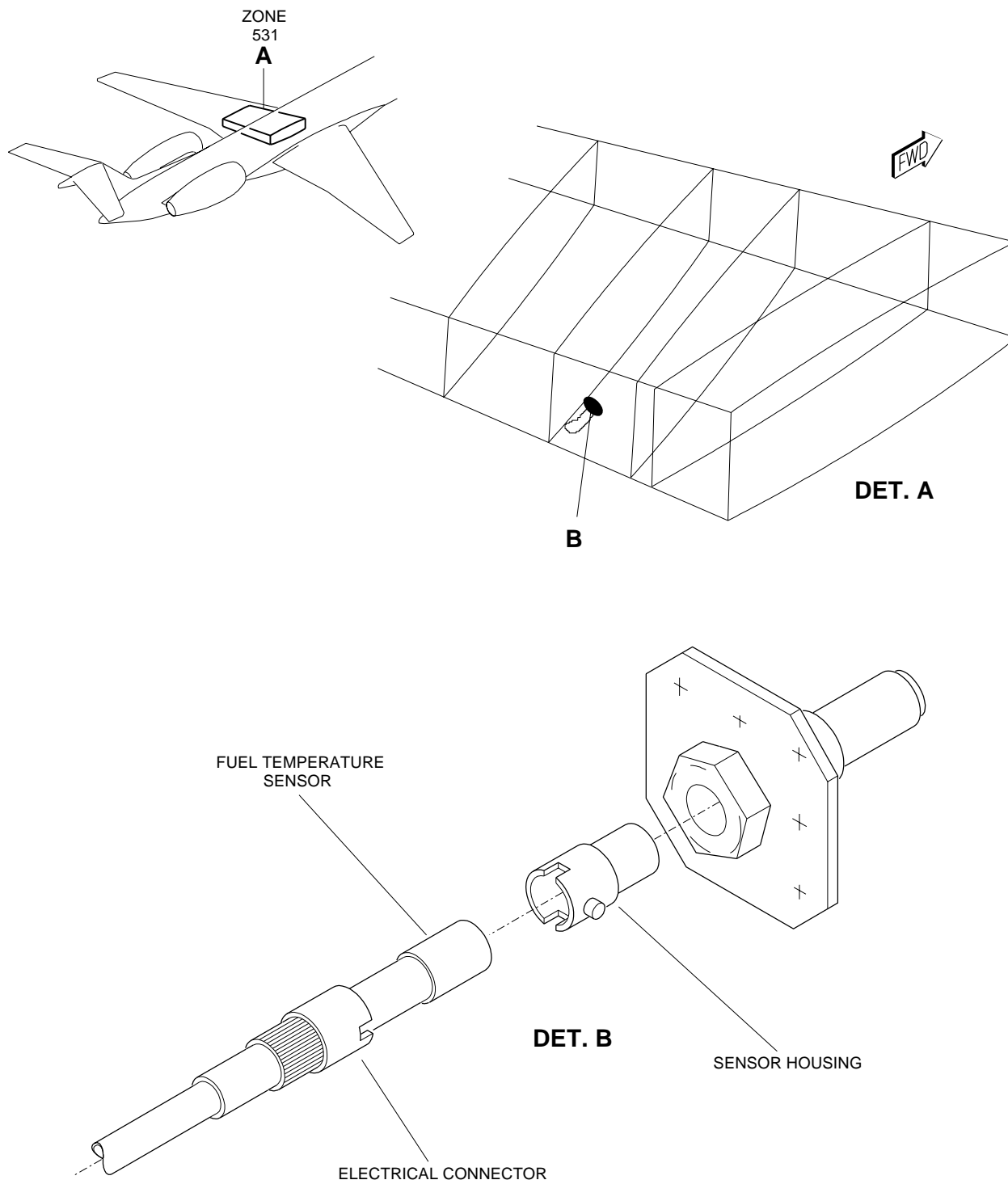
1 The maximum permitted difference between these values is 0°C ± 4°C.
- (3) Install the fuel temperature sensor (AMM TASK 28-43-01-400-802-A/400) in its housing.

- K. Follow-on

*SUBTASK 842-003-A*

- (1) Deenergize the aircraft ( AMM TASK 20-40-01-860-801-A/200).
- (2) Remove the thermometer from the LH MLG wheelwell.

**EFFECTIVITY: ACFT WITH DRY WINGSTUB**  
Fuel-Temperature Indication System - Component Locations  
Figure 503



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