

## DUCT TEMPERATURE SENSOR - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

1. General

- A. The duct temperature sensor is installed in each cooling-pack outlet duct.
- 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
21-60-03-000-801-A	DUCT TEMPERATURE SENSOR - REMOVAL	ALL
21-60-03-400-801-A	DUCT TEMPERATURE SENSOR - INSTALLATION	ALL

TASK 21-60-03-000-801-A

EFFECTIVITY: ALL

## 2. DUCT TEMPERATURE SENSOR - REMOVAL

### A. General

(1) This task gives the procedures to remove the duct temperature sensor.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191EL	Left side of the wing-to-fuselage fairing
191	191FR	Right side of the wing-to-fuselage fairing

### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench	To loosen the switch	

### 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 or RH cooling pack

### I. Preparation

#### SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the following circuit breakers, and attach a DO-NOT-CLOSE tag to them:
  - PACK 1 (Duct temperature sensor of the LH cooling pack).
  - PACK 2 (Duct temperature sensor of the RH cooling pack).
- (2) Remove the access panel (AMM MPP 06-41-01/100), as applicable:
  - 191EL (Duct temperature sensor of the LH cooling pack).

- 191FR (Duct temperature sensor of the RH cooling pack).

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

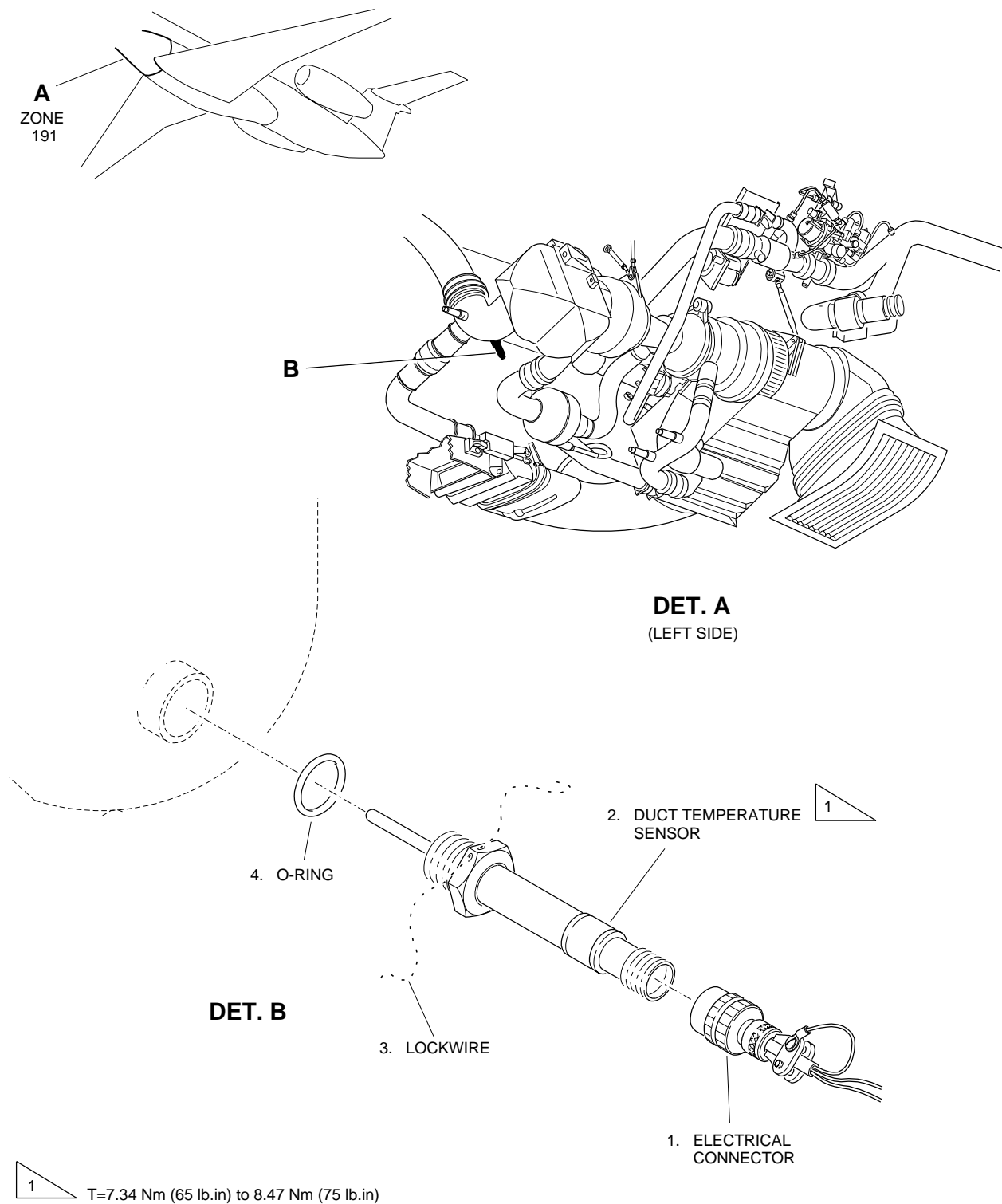
*SUBTASK 020-002-A*

- (1) Disconnect the electrical connector (1).
- (2) Cut the lockwire (3).
- (3) Remove the sensor (2).
- (4) Discard the O-ring (4).
- (5) Use a cap on the opening in the duct, to prevent the entrance of unwanted material.

EFFECTIVITY: ALL

Duct Temperature Sensor - Removal/Installation

Figure 401



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TASK 21-60-03-400-801-A  
EFFECTIVITY: ALL

### 3. DUCT TEMPERATURE SENSOR - INSTALLATION

#### A. General

(1) This task gives the procedures to install the duct temperature sensor.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
IPC 21-51-00	COOLING PACK SYSTEM

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191EL	Left side of the wing-to-fuselage fairing
191	191FR	Right side of the wing-to-fuselage fairing

#### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench	To tighten the switch	

#### E. Auxiliary Items

Not Applicable

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C20	Lockwire	AR

#### G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 21-51-00	1/LRU

#### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH or RH cooling pack

I. Installation (Figure 401)

*SUBTASK 020-003-A*

- (1) Remove the cap from the duct opening.
- (2) Make sure that the duct is clean.
- (3) Put the sensor (2) together with the new O-ring (4) in the installation position.
- (4) Install the sensor (2).
- (5) Tighten and safety the sensor nut.
- (6) Connect the electrical connector (1).

J. Follow-on

*SUBTASK 842-002-A*

- (1) Install the access panel (AMM MPP 06-41-01/100), as applicable:
  - 191EL (Duct temperature sensor of the LH cooling pack).
  - 191FR (Duct temperature sensor of the RH cooling pack).
- (2) On the circuit breaker panel, close the following circuit breakers, and remove the DO-NOT-CLOSE tag from them:
  - PACK 1 (Duct temperature sensor of the LH cooling pack).
  - PACK 2 (Duct temperature sensor of the RH cooling pack).