



## AIRCRAFT MAINTENANCE MANUAL

### ENGINE LOW-PRESSURE SWITCH - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to remove/install the engine low-pressure switch.
- 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
28-45-01-000-801-A	ENGINE LOW-PRESSURE SWITCH - RE- MOVAL	ALL
28-45-01-400-801-A	ENGINE LOW-PRESSURE SWITCH - IN- STALLATION	ALL



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TASK 28-45-01-000-801-A

EFFECTIVITY: ALL

2. ENGINE LOW-PRESSURE SWITCH - REMOVAL

A. General

(1) This task is applicable to the LH and RH engines.

B. References

REFERENCE	DESIGNATION
AMM MPP 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 71-12-01-000-801-A/400	ENGINE LOWER COWLING - OPENING

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413		LH engine
423		RH engine

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 200	Wrench, Fuel Nozzle	To remove the Engine Low-Pressure Switch, or	
Commercially available	Open End Crowfoot Wrench, 3/8 Drive 3/4", "Snap-On" PN FC024A	Alternative to GSE 200	
Commercially available	Extension 6 inch, 3/8", "Snap-On" PN FXK6 or similar	To remove the Engine Low-Pressure Switch	
Commercially available	Breaker Bar Wrench, 3/8, "Snap-On" PN F12LA or similar	To the remove Engine Low-Pressure Switch	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the engine	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Engine

I. Preparation

SUBTASK 841-002-A

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 71-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.**

- (1) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them:
  - FUEL PUMPS 1A/1B/1C.
  - FUEL PUMPS 2A/2B/2C.
  - START 1/2.
- (2) Put the workstand in the work area.
- (3) Open the lower cowling ( [AMM TASK 71-12-01-000-801-A/400](#) ) to get access to the engine.

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

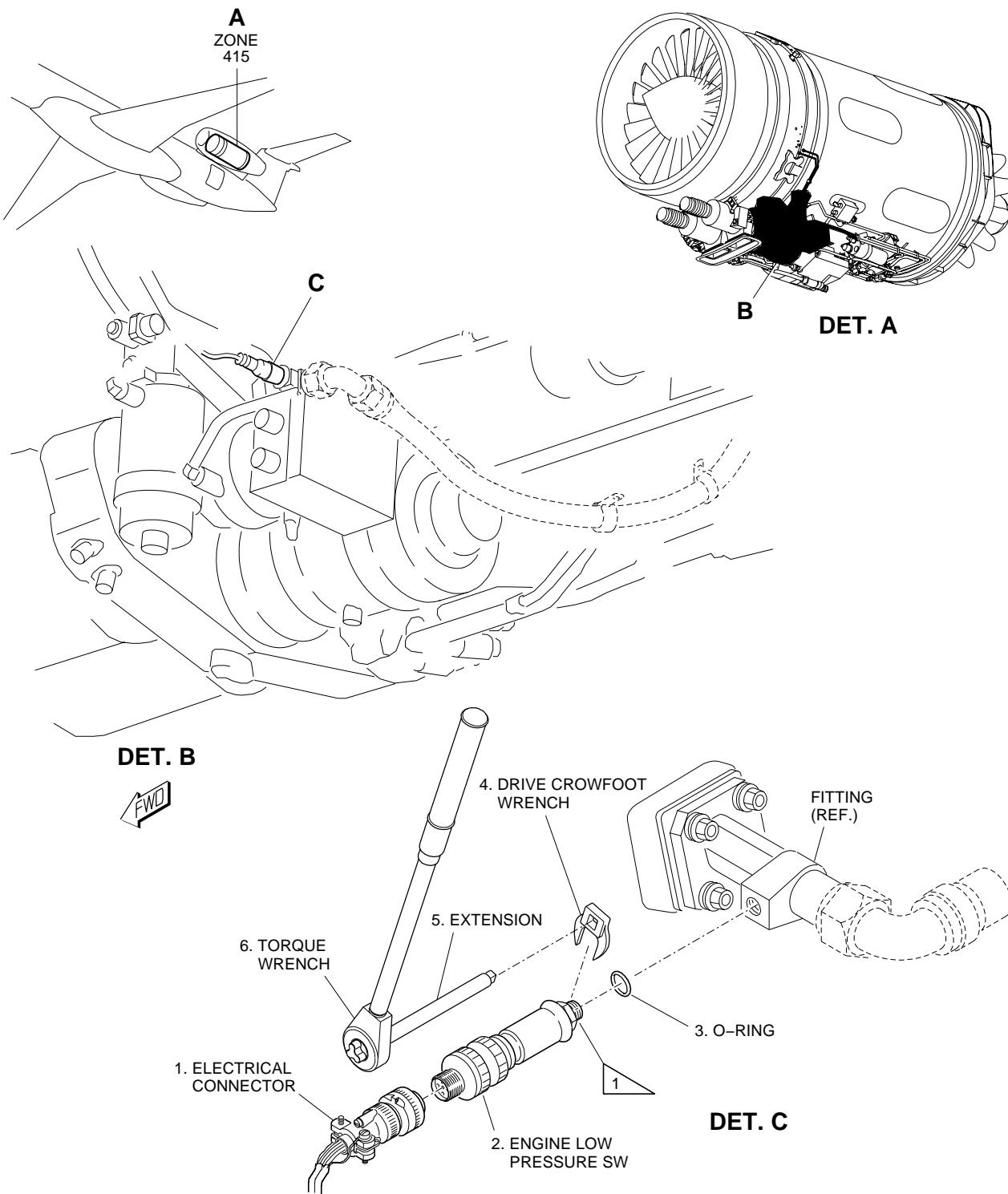
SUBTASK 020-002-A

- (1) Disconnect the electrical connector (1) from the engine low-pressure switch.
- (2) Use GSE 200 or drive crowfoot wrench (4) with Extension (5) and breaker bar to remove the engine low-pressure switch (2) and the O-ring (3).
- (3) Discard the O-ring (3).

**EFFECTIVITY: ALL**

Engine Low-Pressure Switch - Removal/Installation

Figure 401



 **TORQUE:** 5.6 – 7.3 N.m (50 – 65 lb.in)

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TASK 28-45-01-400-801-A

EFFECTIVITY: ALL

3. ENGINE LOW-PRESSURE SWITCH - INSTALLATION

A. General

(1) This task is applicable to the LH and RH engines.

B. References

REFERENCE	DESIGNATION
28-21-00	-
AMM MPP 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 71-12-01-400-801-A/400	ENGINE LOWER COWLING - CLOSING

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
413		LH engine
423		RH engine

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 200	Wrench, Fuel Nozzle	To install the Engine Low-Pressure Switch, or	
Commercially available	Open End Crowfoot Wrench, 3/8 Drive 3/4", "Snap-On" PN FC024A	Alternative to GSE 200	
Commercially available	Extension 6 inch, 3/8", "Snap-On" PN FXK6	To install the Engine Low-Pressure Switch	
Commercially available	Adjustable Click Type Torque Wrench, 3/8, "snap-On" PN QD2R200 or similar	To apply torque to the Engine Low-Pressure Switch	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the engine	1

F. Consumable Materials

Not Applicable

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	28-21-00	1



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Engine

I. Preparation

SUBTASK 841-003-A

- (1) On the circuit breaker panel, make sure that the circuit breakers below are open and with a DO-NOT-CLOSE tag attached to them:
  - FUEL PUMPS 1A/1B/1C.
  - FUEL PUMPS 2A/2B/2C.
  - START 1/2.

J. Installation (Figure 401)

SUBTASK 420-002-A

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 71-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.**

- (1) Install the O-ring (3) on the engine low-pressure switch (2).
- (2) Use GSE 200 or drive crowfoot wrench (4) with extension (5) and breaker bar to install the engine low-pressure switch (2) on the fitting.
- (3) With torque wrench (6) apply to torque to the low-pressure switch (2) on the fitting.
- (4) Connect the electrical connector (1).

K. Follow-on

SUBTASK 842-002-A

- (1) Close the lower cowling ( [AMM TASK 71-12-01-400-801-A/400](#)).
- (2) Remove the workstand.
- (3) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
  - FUEL PUMPS 1A/1B/1C.
  - FUEL PUMPS 2A/2B/2C.
  - START 1/2.