



AIRCRAFT  
MAINTENANCE MANUAL

**THRUST REVERSER MICROSWITCH (DEPLOY) - REMOVAL/INSTALLATION**

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the engine thrust-reverser microswitch (deploy).
- B. These procedures are applicable to the LH and RH thrust reversers, and to the upper and lower deploy microswitch.
- C. 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
78-34-02-000-801-A	ENGINE THRUST-REVERSER MICRO-SWITCH (DEPLOY) - REMOVAL	ALL
78-34-02-400-801-A	ENGINE THRUST-REVERSER MICRO-SWITCH (DEPLOY) - INSTALLATION	ALL



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TASK 78-34-02-000-801-A

EFFECTIVITY: ALL

2. ENGINE THRUST-REVERSER MICROSWITCH (DEPLOY) - REMOVAL

A. General

(1) Obey the instructions below to remove the engine thrust-reverser microswitch (deploy).

B. References

REFERENCE	DESIGNATION
AMM MPP 06-43-00/100	- COMPONENT LOCATION
AMM MPP 78-30-00/200	- MAINTENANCE PRACTICES
AMM TASK 54-52-01-000-801-A/400	PYLON FAIRINGS - REMOVAL
AMM TASK 78-33-01-980-801-A/200	ISOLATION CONTROL UNIT - INHIBITION PROCEDURES

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
225	225DTC	Cockpit
416	416SL/416UL	LH Thrust Reverser
426	426SL/426UL	RH Thrust Reverser

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the thrust reverser	

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	In the work area



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I. Preparation

SUBTASK 841-002-A

**WARNING:** • REFER TO THE GROUND SAFETY PRECAUTIONS GIVEN IN [AMM MPP 78-30-00/200](#) WHEN YOU DO THE THRUST REVERSER MAINTENANCE PROCEDURES.

- MAKE SURE THAT THE THRUST REVERSERS ARE DEENERGIZED. ENERGIZED CIRCUITS CAN CAUSE INJURY TO PERSONS.
- MAKE SURE THAT THE HYDRAULIC TEST STAND IS NOT CONNECTED.

- (1) Put the workstand under the engine thrust reverser.
- (2) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them:
  - THRUST REVERSER 1/2.
  - HYD. ELEC. PUMP 1/2.
- (3) Put a DO-NOT-OPERATE-THE-THRUST-REVERSERS sign on the instrument panel, in the cockpit.
- (4) Manually operate the ICU to prevent the operation of the thrust reverser ([AMM TASK 78-33-01-980-801-A/200](#)).
- (5) Remove the pylon trailing-edge fairing ([AMM TASK 54-52-01-000-801-A/400](#)).
- (6) Remove access panels 416SL or 426SL ([AMM MPP 06-43-00/100](#)) as applicable, to get access to remove the deploy microswitch of the upper door.
- (7) Remove access panels 416UL or 426UL ([AMM MPP 06-43-00/100](#)) as applicable, to get access to remove the deploy microswitch of the lower door.

J. Removal (Figure 401)

SUBTASK 020-002-A

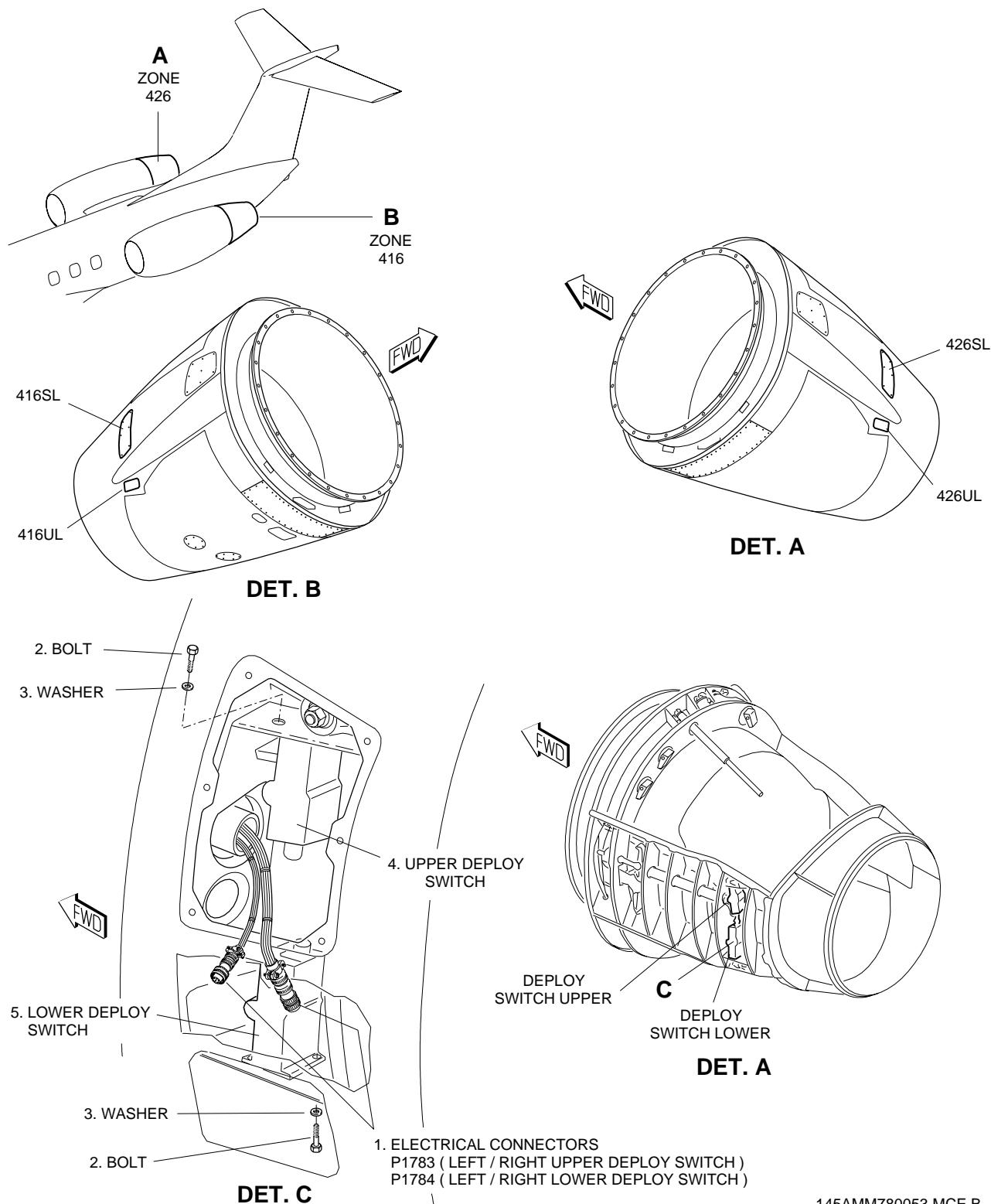
**WARNING:** DO NOT APPLY HYDRAULIC POWER TO THE AIRCRAFT, AND DO NOT OPERATE THE THRUST REVERSER WHILE THE MAINTENANCE PERSONS ARE AT WORK.

- (1) Remove the electrical connector (1) and install protection caps on it and on the microswitch port.
- (2) Remove the bolts (2) and washers (3).
- (3) Remove the upper/lower deploy microswitches (4, 5), as applicable.

**EFFECTIVITY: ALL**

Engine Thrust-Reverser Microswitch (Deploy) - Removal/Installation

Figure 401





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TASK 78-34-02-400-801-A

EFFECTIVITY: ALL

3. ENGINE THRUST-REVERSER MICROSWITCH (DEPLOY) - INSTALLATION

A. General

(1) Obey the instructions below to install the engine thrust-reverser microswitch (deploy).

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 54-52-01-400-801-A/400	PYLON FAIRINGS - INSTALLATION
AMM TASK 78-31-01-700-801-A/500	THRUST REVERSER - OPERATIONAL CHECK
AMM TASK 78-33-01-980-801-A/200	ISOLATION CONTROL UNIT - INHIBITION PROCEDURES

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
225	225DTC	Cockpit
416	416SL/416UL	LH Thrust Reverser
426	426SL/426UL	RH Thrust Reverser

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the thrust reverser	

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	In the work area



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I. Installation (Figure 401)

SUBTASK 420-002-A

**WARNING:** • **MAKE SURE THAT THE THRUST REVERSERS ARE DEENERGIZED.**  
**ENERGIZED CIRCUITS CAN CAUSE INJURY TO PERSONS.**

- **MAKE SURE THAT THE HYDRAULIC TEST STAND IS NOT CONNECTED.**

- (1) Align the upper/lower deploy microswitches (4, 5) attaching holes with structure attaching holes.
- (2) Install the bolts (2) and washers (3).
- (3) Remove the protection caps from the electrical connectors ( 1) and from the upper/lower deploy microswitches ports and connect them.

J. Follow-on

SUBTASK 842-002-A

- (1) Install access panels 416SL, 426SL, 416UL, or 426UL (AMM MPP 06-42-00/100), as applicable.
- (2) Install the pylon trailing-edge fairing ( [AMM TASK 54-52-01-400-801-A/400](#)).
- (3) Manually operate the ICU to put the thrust reverser back to the serviceable condition ([AMM TASK 78-33-01-980-801-A/200](#)).
- (4) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
  - THRUST REVERSER 1/2.
  - HYD. ELEC. PUMP 1/2.
- (5) Remove the DO-NOT-OPERATE-THE-THRUST-REVERSERS sign from the instrument panel, in the cockpit.
- (6) Remove the workstand from the work area.
- (7) Do the engine thrust reverser operational check ( [AMM TASK 78-31-01-700-801-A/500](#)) (two cycles minimum).