

## THRUST-REVERSER DOOR PRIMARY-LOCK HOOK - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

### 1. General

- A. This section gives the procedures to remove and install the thrust-reverser door primary-lock hook.
- B. These procedures are applicable to the LH and RH thrust reverser.
- 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
78-32-04-000-801-A	THRUST-REVERSER DOOR PRIMARY-LOCK HOOK - REMOVAL	ALL
78-32-04-400-801-A	THRUST-REVERSER DOOR PRIMARY-LOCK HOOK - INSTALLATION	ALL

TASK 78-32-04-000-801-A

EFFECTIVITY: ALL

## 2. THRUST-REVERSER DOOR PRIMARY-LOCK HOOK - REMOVAL

### A. General

- (1) Obey the instructions below to remove the thrust-reverser door primary-lock hook.
- (2) Each door has two equal hooks, and the removal is the same for all of them.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM MPP 78-30-00/200</a>	- MAINTENANCE PRACTICES
<a href="#">AMM TASK 78-31-01-940-801-A/200</a>	THRUST REVERSER - OPENING PROCEDURE

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
416	LH Thrust Reverser	Engine nacelle
426	RH Thrust Reverser	Engine nacelle

### D. Tools and Equipment

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

### 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

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) Open the thrust-reverser doors ([AMM TASK 78-31-01-940-801-A/200](#)).
  - (3) 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.
  - (4) Put a DO-NOT-OPERATE-THE-THRUST-REVERSERS sign on the instrument panel, in the cockpit.

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

*SUBTASK 020-002-A*

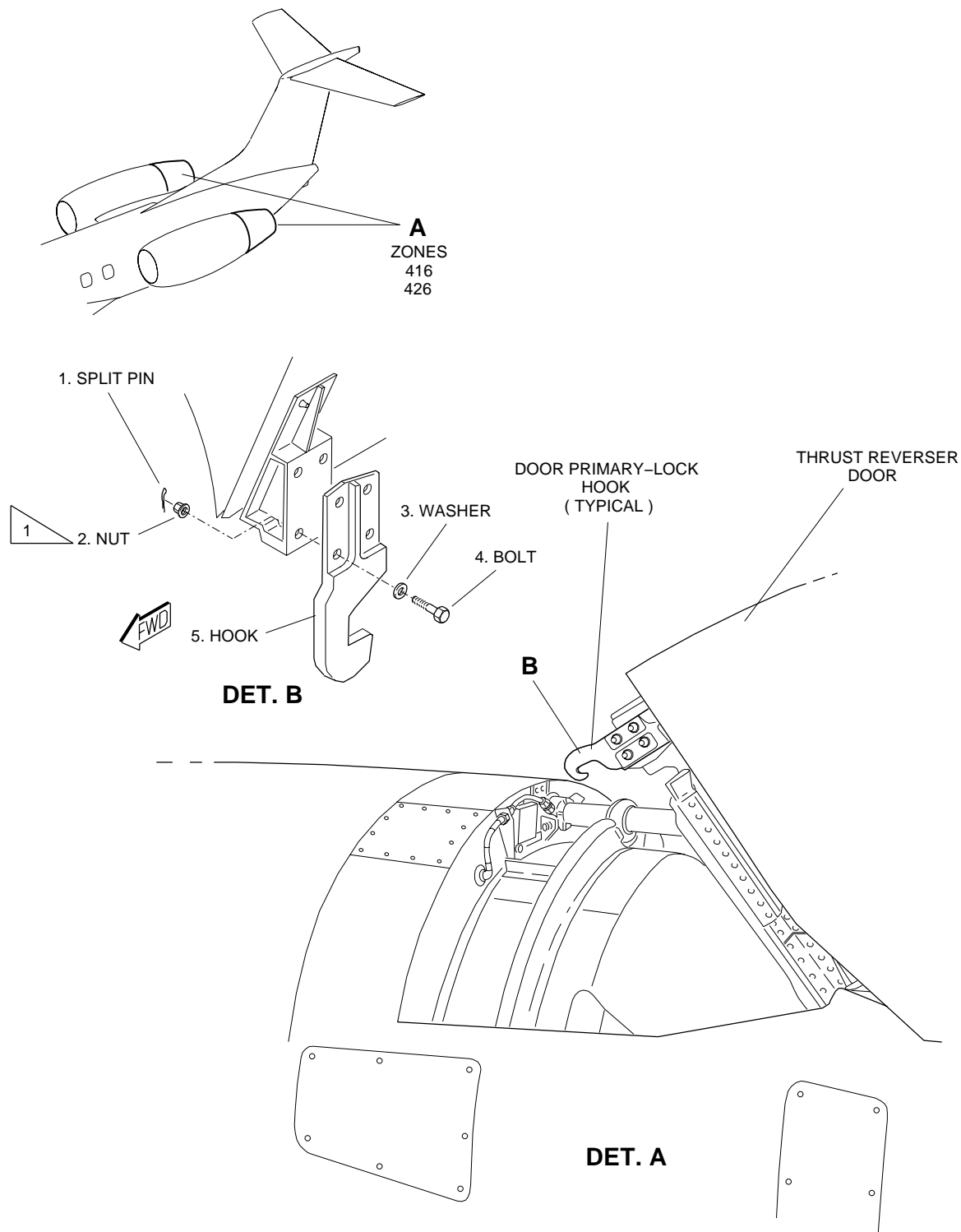
**WARNING:** DO NOT APPLY HYDRAULIC POWER TO THE AIRCRAFT, NOR OPERATE THE THRUST REVERSER WHILE THE MAINTENANCE PERSONS ARE AT WORK.

- (1) Remove the split pins (1), nuts (2), and washers (3).
- (2) Remove the bolts (4) and hook (5).

EFFECTIVITY: ALL

Thrust-Reverser Door Primary-Lock Hook - Removal/Installation

Figure 401



1 TORQUE: 5.6 TO 6.8 Nm ( 49.6 TO 60.2 lb.in )

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TASK 78-32-04-400-801-A  
EFFECTIVITY: ALL

### 3. THRUST-REVERSER DOOR PRIMARY-LOCK HOOK - INSTALLATION

#### A. General

- (1) Obey these instructions to install the thrust-reverser door primary-lock hook.
- (2) Each door has two equal hooks, and the installation is the same for all of them.

#### B. References

REFERENCE	DESIGNATION
-	-
<a href="#">AMM TASK 78-31-01-820-801-A/500</a>	THRUST REVERSER - RIGGING PROCEDURE
<a href="#">AMM TASK 78-31-01-820-802-A/500</a>	THRUST REVERSER - MANUAL RIGGING PROCEDURE
<a href="#">AMM TASK 78-31-01-940-802-A/200</a>	THRUST REVERSER - CLOSURE PROCEDURE

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
416	-	LH Thrust Reverser
426	-	RH Thrust Reverser

#### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the engine nacelle	
Commercially available	Torque wrench	To tighten the attachment nuts	

#### E. Auxiliary Items

Not Applicable

#### F. Consumable Materials

Not Applicable

#### G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Split pin	-	4

#### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Thrust reverser

I. Installation (Figure 401)

*SUBTASK 420-002-A*

**WARNING:** • **MAKE SURE THAT ELECTRICAL POWER SUPPLY IS REMOVED FROM THE THRUST REVERSERS. ENERGIZED CIRCUITS CAN CAUSE INJURY TO PERSONS.**

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

- (1) Install the hook (5) on the door structure fitting and align the attaching holes.
- (2) Install the bolts (4), washers (3), and nuts (2).
- (3) Torque the nuts (2) and install the split pins (1).

J. Follow-on

*SUBTASK 842-002-A*

**CAUTION:** EXAMINE ALL THE WORK AREAS TO MAKE SURE YOU DID NOT LET TOOLS OR OTHER EQUIPMENT STAY BEHIND.

- (1) On the circuit breaker panel, close these circuit breakers and remove the DO-NOT-CLOSE tag from them:
  - THRUST REVERSER 1/2.
  - HYD. ELEC. PUMP 1/2.
- (2) Remove the DO-NOT-OPERATE-THE-THRUST-REVERSERS sign from the instrument panel, in the cockpit.
- (3) Close the thrust-reverser doors ( [AMM TASK 78-31-01-940-802-A/200](#)).
- (4) Remove the workstand from the work area.

**CAUTION:** THRUST REVERSER RIGGING IS NECESSARY TO MAKE SURE OF THE CORRECT THRUST REVERSER OPERATION. IF THE THRUST REVERSER IS NOT CORRECTLY RIGGED, FAILURE MESSAGES WILL COME INTO VIEW ON THE EICAS AND CMC, AND CAUSE INTERRUPTIONS IN THE AIRCRAFT OPERATION.

- (5) Do the thrust-reverser rigging procedure ( [AMM TASK 78-31-01-820-801-A/500](#)) or ( [AMM TASK 78-31-01-820-802-A/500](#)), as applicable.