

## THRUST LEVER ASSEMBLY - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

### 1. General

- A. This section gives the procedure to remove/install the thrust lever assembly.
- B. The thrust levers operate independently of each other and can be removed one at a time.
- 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
76-11-02-000-801-A	THRUST LEVER ASSEMBLY - REMOVAL	ALL
76-11-02-400-801-A	THRUST LEVER ASSEMBLY - INSTALLATION	ALL

TASK 76-11-02-000-801-A

EFFECTIVITY: ALL

## 2. THRUST LEVER ASSEMBLY - REMOVAL

### A. General

(1) This task gives the necessary instructions to remove the thrust lever assembly.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 76-11-01-000-801-A/400</a>	CONTROL STAND ASSEMBLY - REMOVAL
<a href="#">AMM TASK 76-11-05-000-801-A/400</a>	CONTROL STAND MASK - REMOVAL
<a href="#">AMM TASK 76-12-01-000-801-A/400</a>	THRUST LEVER RESOLVER - REMOVAL

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223	223OZ	Control Pedestal
223	223NZ	Control Pedestal
223	223SZ	Control Pedestal
223	223RZ	Control Pedestal

### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
<a href="#">GSE 183</a>	Control Stand Holder	To hold the control stand	
Commercially available	Soldering Iron	To remove the solder and release the wires	

### 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	Control stand assembly

### I. Preparation

**SUBTASK 841-002-A**

(1) (For aircraft without thrust reverser) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:

- LIGHTS - PEDESTAL PANEL.
  - POWERPLANT - START 1/2.
  - POWERPLANT - FADEC 1A/2A - 1B/2B.
- (2) (For aircraft with thrust reverser) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:
- POWERPLANT - ELEC. IDLE STOP 1/2.
  - POWERPLANT - THRUST REVERSER 1/2.
  - LIGHTS - PEDESTAL PANEL.
  - POWERPLANT - START 1/2.
  - POWERPLANT - FADEC 1A/2A - 1B/2B.
- (3) Remove the control stand mask ( [AMM TASK 76-11-05-000-801-A/400](#)).
- (4) Remove the control stand assembly ( [AMM TASK 76-11-01-000-801-A/400](#)).
- (5) Put the control stand assembly on the control stand holder.
- (6) Remove the resolver ( [AMM TASK 76-12-01-000-801-A/400](#)).

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

*SUBTASK 020-002-A*

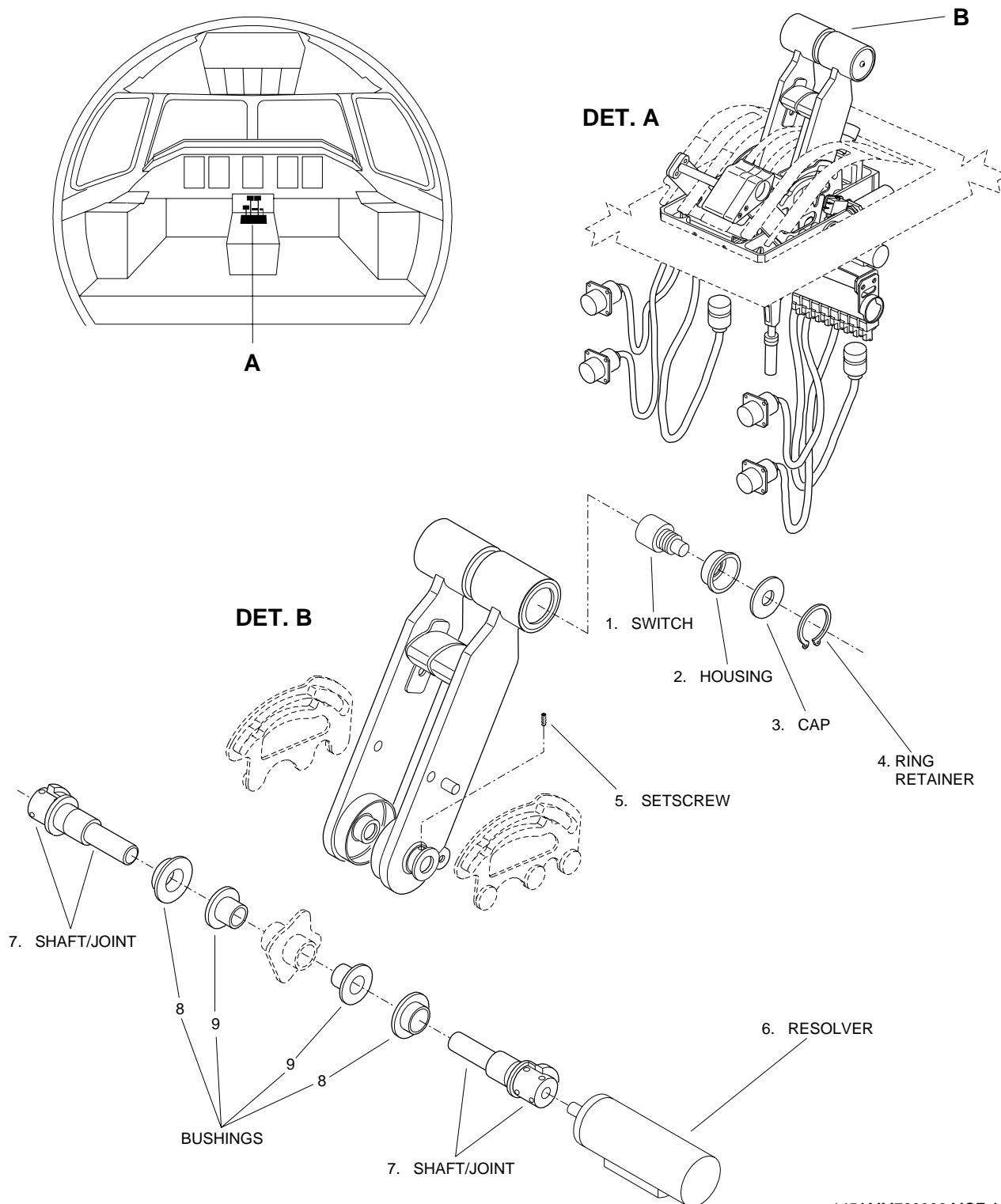
**NOTE:** When you remove the thrust lever, be careful not to loosen the command shaft of the microswitch assembly.

- (1) Remove the ring retainer (4) and cap (3).
- (2) Pull the Go Around switch (1) from the thrust lever handle and identify each electrical wire.
- (3) Release the wires from the Go Around switch (1). Use a soldering iron.
- (4) Pull the wires from the bottom of the thrust lever.
- (5) Remove the cotter pin (14).
- (6) Remove the nut (13), washers (12) and bolt (11), and lift the friction lock (10).
- (7) Remove the cotter pin (18), washer (17), and pin (15) from the arm (16).
- (8) Loosen the setscrew (5).
- (9) Remove the shaft with joint (7).
- (10) Remove the thrust lever (19) from its position.

EFFECTIVITY: ALL

Thrust Lever Assembly - Removal/Installation

Figure 401 - Sheet 1

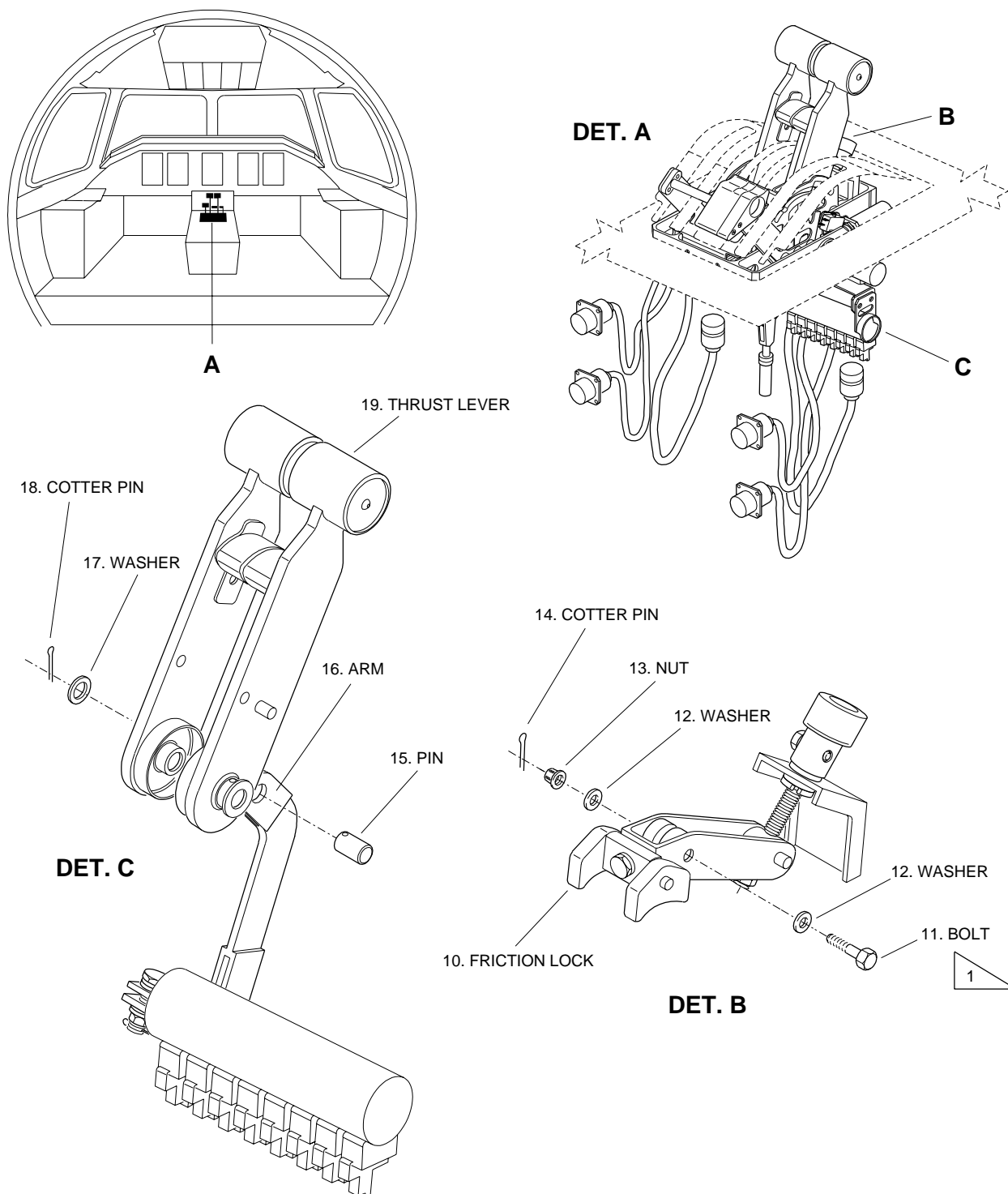


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EFFECTIVITY: ALL

Thrust Lever Assembly - Removal/Installation

Figure 401 - Sheet 2



1 TORQUE VALUE: 5.6 Nm (50 lb/in) TO 7.9 Nm (70 lb/in)

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TASK 76-11-02-400-801-A

EFFECTIVITY: ALL

### 3. THRUST LEVER ASSEMBLY - INSTALLATION

#### A. General

(1) This task gives the necessary instructions to install the thrust lever assembly.

#### B. References

REFERENCE	DESIGNATION
AMM TASK 76-11-01-400-801-A/400	CONTROL STAND ASSEMBLY - INSTALLATION
AMM TASK 76-11-05-400-801-A/400	CONTROL STAND MASK - INSTALLATION
AMM TASK 76-11-06-700-801-A/500	THRUST-LEVER MICROSWITCH ASSEMBLY - FUNCTIONAL CHECK
AMM TASK 76-12-01-400-801-A/400	THRUST LEVER RESOLVER - INSTALLATION
AMM TASK 76-12-01-700-801-A/500	THRUST LEVER RESOLVER - FUNCTIONAL CHECK
AMM TASK 76-13-03-700-801-A/500	IDLE LOCKOUT MICROSWITCH - OPERATIONAL CHECK

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223	223OZ	Control Pedestal
223	223NZ	Control Pedestal
223	223SZ	Control Pedestal
223	223RZ	Control Pedestal

#### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Soldering Iron	To solder the wires	

#### E. Auxiliary Items

Not Applicable

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Dow Corning 780	Sealing compound	AR
Commercially available	Vaseline	AR

#### G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Control stand assembly

I. Installation (Figure 401)

*SUBTASK 420-002-A*

- (1) Put the thrust lever (19) in its position.
- (2) Install the shaft with joint (7).
- (3) Install the setscrew (5) and tighten it. Apply a coat of Dow Corning 780 sealing compound on the setscrew.
- (4) Install the pin (15), washer (17), and cotter pin (18) to the arm (16).
- (5) Install the bolt (11), washers (12) and nut (13) to the friction lock (10). Refer to figure 401 for the torque values.
- (6) Install the cotter pin (14).
- (7) Push the wires of the Go Around switch through the bottom of the thrust lever. Use Vaseline to make the procedure easier.
- (8) With the soldering iron, solder the wires to the Go Around switch (1). Obey the identifications made before to make sure that the wires are installed at the correct positions.
- (9) Put the Go Around switch (1) on the thrust lever handle.
- (10) Install the cap (3) and ring retainer (4).

J. Follow-on

*SUBTASK 842-002-A*

- (1) Install the resolver ( [AMM TASK 76-12-01-400-801-A/400](#)).
- (2) Install the control stand assembly ( [AMM TASK 76-11-01-400-801-A/400](#)).
- (3) Install the control stand mask ( [AMM TASK 76-11-05-400-801-A/400](#)).
- (4) (For aircraft without thrust reverser) On the circuit breaker panel, remove the DO-NOT-CLOSE tags and close these circuit breakers:
  - LIGHTS - PEDESTAL PANEL.
  - POWERPLANT - START 1/2.
  - POWERPLANT - FADEC 1A/2A - 1B/2B.
- (5) (For aircraft with thrust reverser) On the circuit breaker panel, remove the DO-NOT-CLOSE tags and close these circuit breakers:
  - POWERPLANT - ELEC. IDLE STOP 1/2.

- POWERPLANT - THRUST REVERSER 1/2.
  - LIGHTS - PEDESTAL PANEL.
  - POWERPLANT - START 1/2.
  - POWERPLANT - FADEC 1A/2A - 1B/2B.
- (6) Do the Thrust Lever Microswitch Assembly Functional Check ( [AMM TASK 76-11-06-700-801-A/500](#)).
- (7) Do the Thrust Lever Resolver Functional Check ( [AMM TASK 76-12-01-700-801-A/500](#)).
- (8) (For aircraft with thrust reverser) Do the Idle Lockout Microswitch Operational Check ( [AMM TASK 76-13-03-700-801-A/500](#)).