



AIRCRAFT
MAINTENANCE MANUAL

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 - INSTALLA- TION	ALL



AIRCRAFT MAINTENANCE MANUAL

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
AMM TASK 76-11-01-000-801-A/400	CONTROL STAND ASSEMBLY - REMOVAL
AMM TASK 76-11-05-000-801-A/400	CONTROL STAND MASK - REMOVAL
AMM TASK 76-12-01-000-801-A/400	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
GSE 183	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

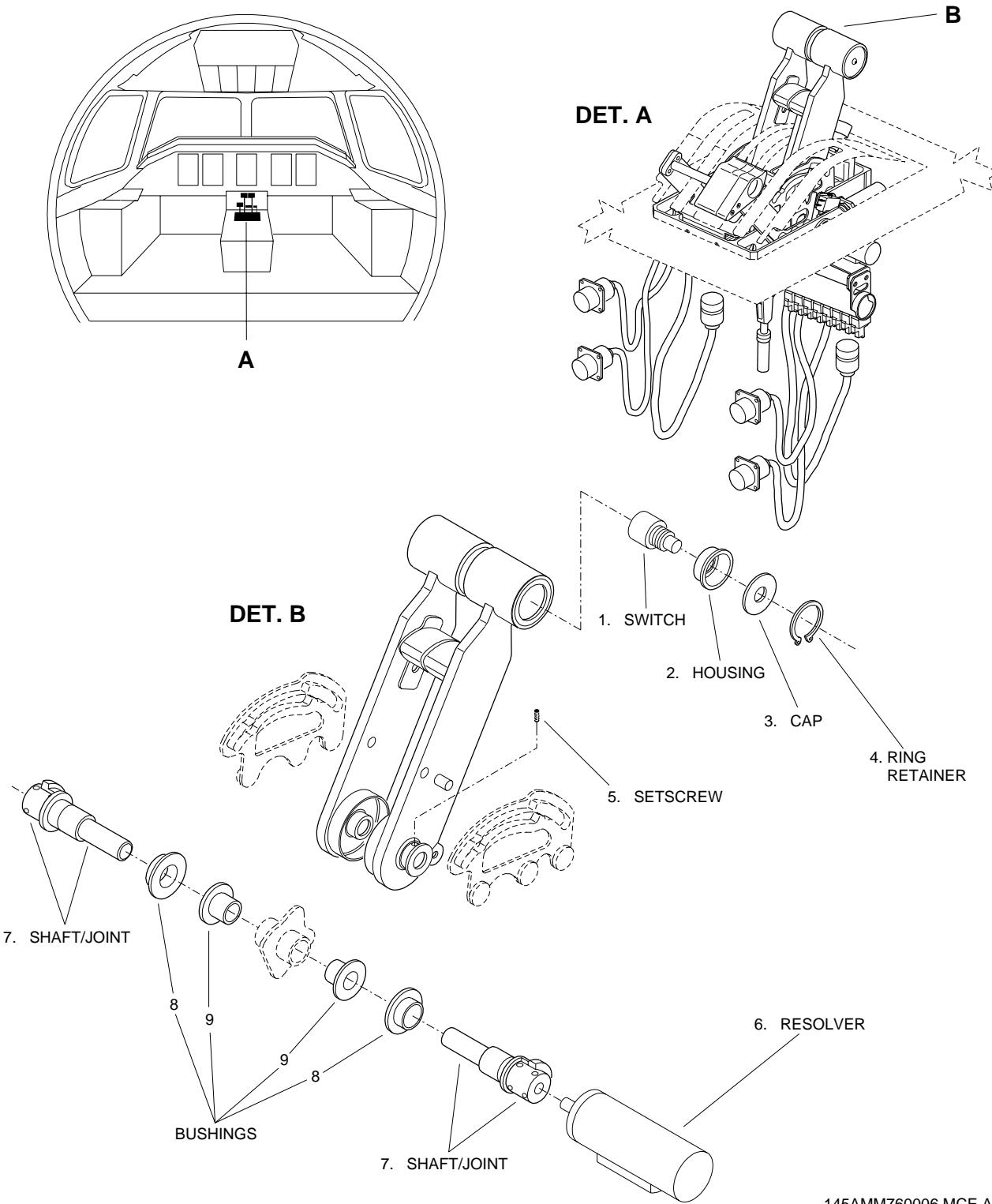
NOTE: When you remove the thrust lever, be careful not to loosen the command shaft of the microswitch assembly.

- (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

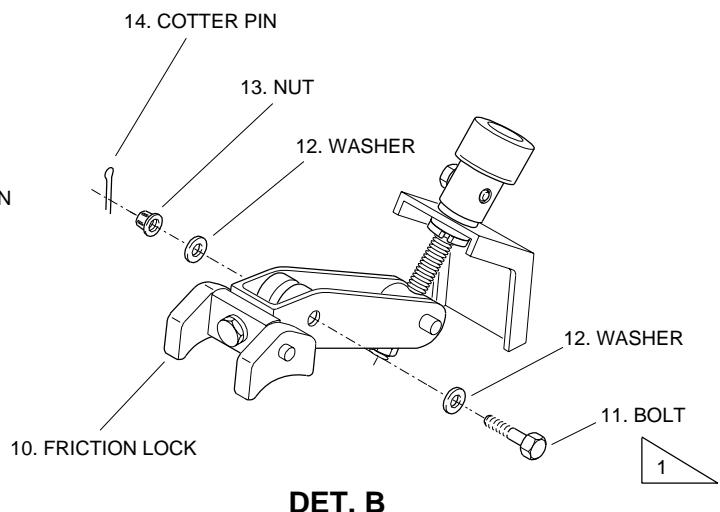
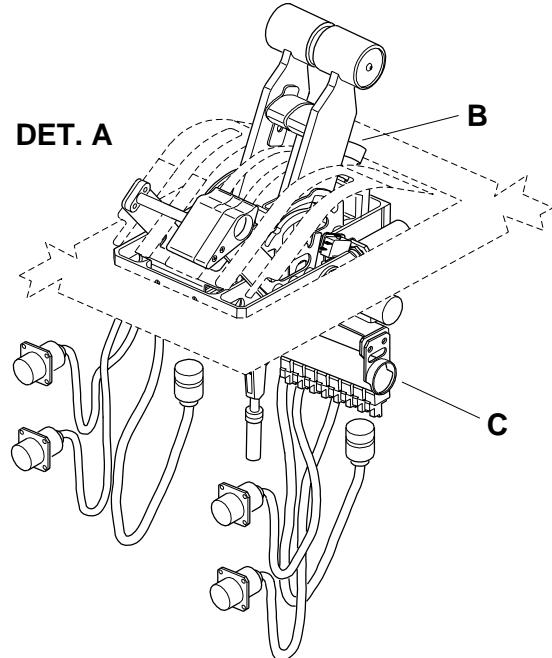
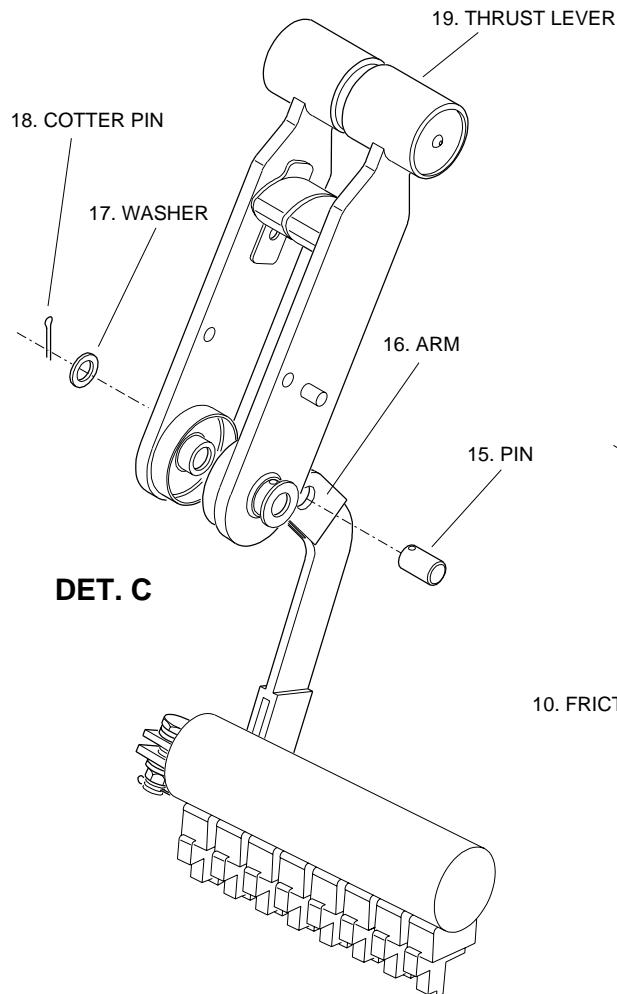
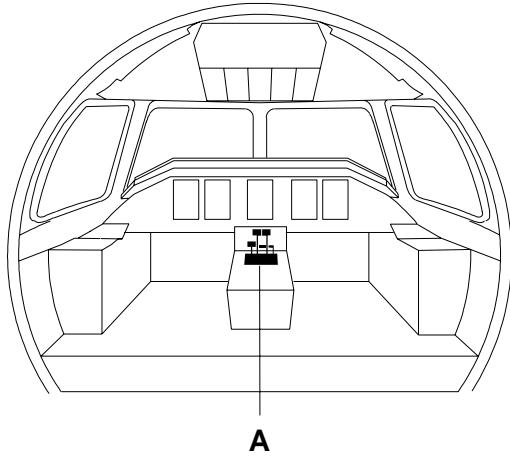


145AMM760006.MCE A

EFFECTIVITY: ALL

Thrust Lever Assembly - Removal/Installation

Figure 401 - Sheet 2



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

145AMM760007.MCE A



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

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

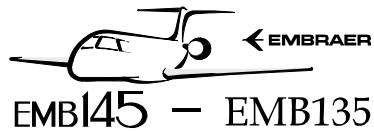
Not Applicable

F. Consumable Materials

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

G. Expandable Parts

Not Applicable



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Control stand assembly

I. Installation (Figure 401)

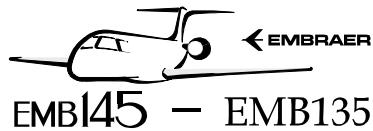
SUBTASK 420-002-A

- (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.



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

- 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](#)).