



AIRCRAFT  
MAINTENANCE MANUAL

ROLL TRIM SWITCH - CLEANING/PAINTING

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures for the cleaning of the ROLL TRIM switch.
- B. These procedures are applicable to the pedestal ROLL TRIM switch.
- 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
27-14-01-100-801-A	ROLL TRIM SWITCH - CLEANING	ALL



EMB145 - EMB135

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TASK 27-14-01-100-801-A

EFFECTIVITY: ALL

2. ROLL TRIM SWITCH - CLEANING

A. General

- (1) This task gives the procedures to clean the Roll Trim Switch.
- (2) The roll trim switch is installed on the TRIM control panel on the control pedestal at zone 223.

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223		Control pedestal

C. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Allen wrench	To remove the setscrew	
Commercially available	Dry Compressed Air	To dry the component	

D. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Cotton Swab	For the component cleaning	AR
Commercially available	Wiper cloth, lint-free	For the component cleaning	AR
Commercially available	Stiff-Bristle Brush	For the component cleaning	AR

E. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
TT-I-735	Isopropyl Alcohol	AR

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit

H. Preparation

SUBTASK 841-002-A

- (1) Open this circuit breaker and attach a DO-NOT-CLOSE tag to it.
  - (a) ROLL TRIM (Location Tip: DC BUS 2/FLIGHT CONTROLS).

I. Cleaning of the ROLL TRIM Switch (Figure 701) (Figure 702)

SUBTASK 100-002-A

- (1) Release the screws (4) with the allen wrench and remove knob (3).
- (2) Remove the screws (1), washers (2) and panel (5).

**WARNING: DO NOT BREATHE ISOPROPYL ALCOHOL VAPORS. ALWAYS PUT ON GOGGLES, GLOVES AND A RESPIRATOR WHEN YOU USE ISOPROPYL ALCOHOL. DO THE WORK IN AN AREA THAT HAS A GOOD AIRFLOW, FAR FROM SPARKS, FLAMES, AND HOT SURFACES. ISOPROPYL ALCOHOL IS TOXIC AND FLAMMABLE AND CAN CAUSE EYE, SKIN OR RESPIRATORY PROBLEMS. IF IT GETS ON YOUR SKIN, FLUSH IT WITH SOAP AND WATER. IF IT GETS IN YOUR EYES, FLUSH THEM WITH WATER AND GET MEDICAL AID IMMEDIATELY.**

- (3) Clean the two rockers and face of the roll trim switch (6) by wiping all surfaces with a lint-free wiper cloth (or cotton swab) soaked in alcohol TT-I-735.

**NOTE:** • During the cleaning procedure, be careful not to let dirt, oil, grease, rust, or undesirable material get into the hole.  
• If necessary, use a stiff-bristle brush to remove tough or stubborn stains, and hard-to-reach areas.

- (4) Operate the rocker switches of the roll trim switch (6) to the LWD and RWD position to expose the lateral rocker switch surfaces.

- (5) Clean the lateral and top surfaces of rocker switches with a lint-free wiper cloth (or cotton swab) soaked in alcohol TT-I-735.

**NOTE:** During the cleaning procedure, be careful not to let dirt, oil, grease, rust, or undesirable material get into the hole.

- (6) To clean the holes along the roll trim switch (6) contour, use a stiff-bristle brush with alcohol TT-I-735. You can also use a lint-free wiper cloth (or cotton swab).

**NOTE:** During the cleaning procedure, be careful not to let dirt, oil, grease, rust, or undesirable material get into the hole.

- (7) If necessary do the cleaning procedure again. The parts must have no signs of rust, corrosion, dirt, grease, oil, or other contaminants.

- (8) Use a new clean lint-free wiper cloth to wipe away material smudges and fingerprints.

- (9) Allow cleaned area to thoroughly dry. All traces of alcohol TT-I-735 must be evaporated to ensure safe operation of the aircraft and its systems for this dry the parts with dry compressed air or use a dry lint-free wiper cloth.



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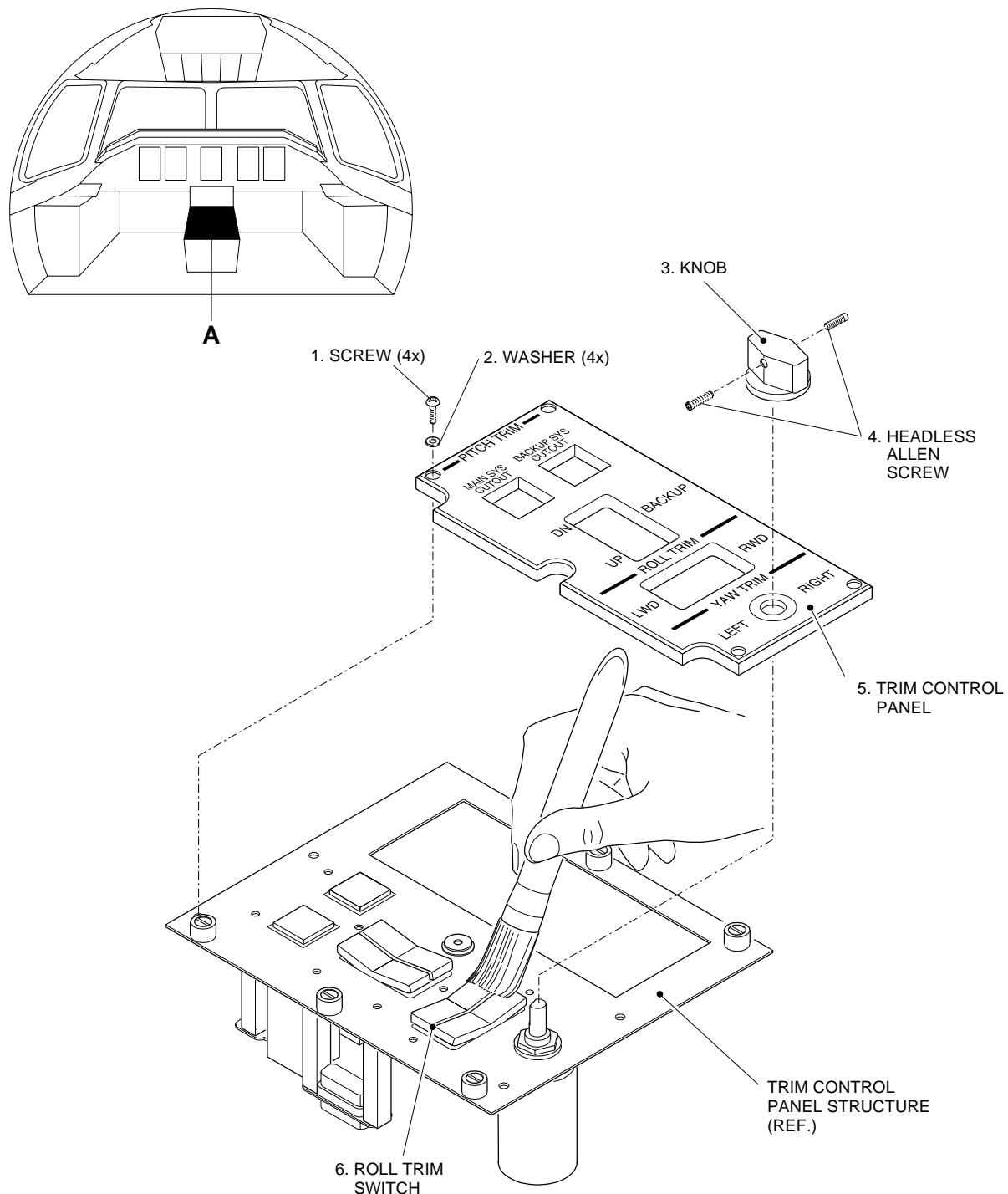
- (10) Operate the rocker switches of the roll trim switch (6) to the LWD and RWD position several times to make sure that the movement is free and smooth, with no interference (sticking or binding).
- (11) Put the panel (5) in installation position.
- (12) Install the washers (2) and screws (1).
- (13) Put the knob (3) in its correct installation position.
- (14) Attach the knob (3) with its screws (4). To do this, use the Allen Wrench.

### J. Follow-on

#### SUBTASK 842-002-A

- (1) Remove the DO-NOT-CLOSE tag from the ROLL TRIM circuit breaker and close it.

**EFFECTIVITY: AIRCRAFT WITH SINGLE FMS INSTALLED**  
**ROLL TRIM Switch - Cleaning**  
**Figure 701**

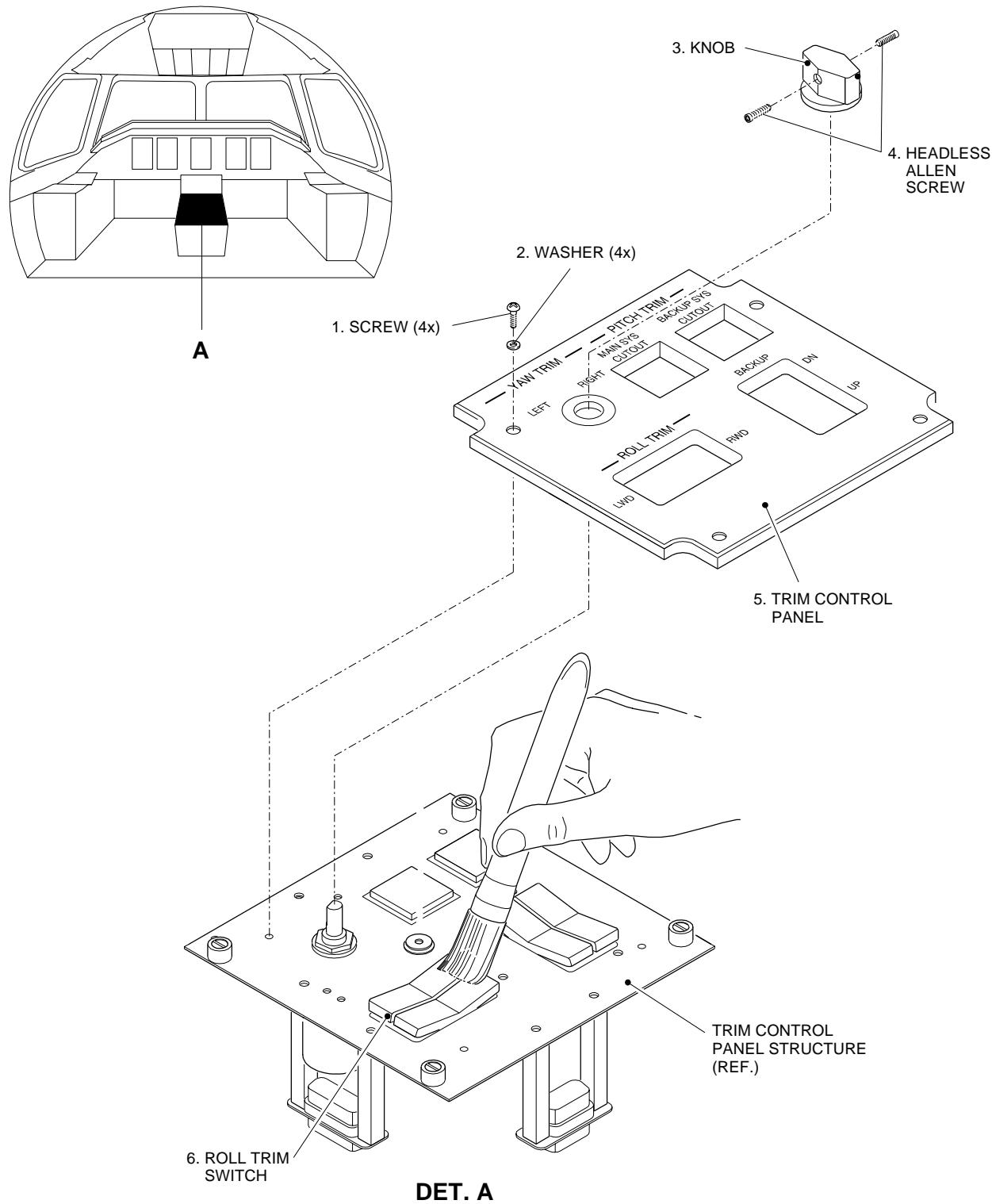


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**EFFECTIVITY: AIRCRAFT WITH DUAL FMS INSTALLED**

ROLL TRIM Switch - Cleaning

Figure 702



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