



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

CONTROL-COLUMN POSITION SWITCH - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH ELECTROMECHANICAL GUST LOCK

1. General

- A. This section gives the procedures to remove and install the control-column position switch.
- B. The control-column position switch is a component of the electromechanical gust lock system. It is installed in the area below the cockpit floor.
- 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
27-71-11-000-801-A	CONTROL-COLUMN POSITION SWITCH - REMOVAL	AIRCRAFT WITH ELECTROMECHANICAL GUST LOCK
27-71-11-400-801-A	CONTROL-COLUMN POSITION SWITCH - INSTALLATION	AIRCRAFT WITH ELECTROMECHANICAL GUST LOCK



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TASK 27-71-11-000-801-A

EFFECTIVITY: AIRCRAFT WITH ELECTROMECHANICAL GUST LOCK

2. CONTROL-COLUMN POSITION SWITCH - REMOVAL

A. General

- (1) This task gives the procedure to remove the control-column position switch.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	123BL	Area below the cockpit floor
124	123BL	Area below the cockpit floor

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Gloves, Phosphate Ester-Base, Fluid-Resistant	Protection for the hands	1
Commercially available	Rubber Goggles, Phosphate Ester-Base, Fluid-Resistant	Protection for the eyes	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Area below the cockpit floor

I. Preparation

SUBTASK 841-002-A

- (1) Put the control column fully forward.
- (2) Set the gust lock system to the unlocked position.



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(3) Make sure that the safety pins of the landing gears are installed [AMM TASK 32-00-01-910-801-A/200](#).

(4) Remove control rigging door 123BL AMM MPP 06-41-01/100.

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

SUBTASK 020-002-A

(1) Disconnect the splices (2).

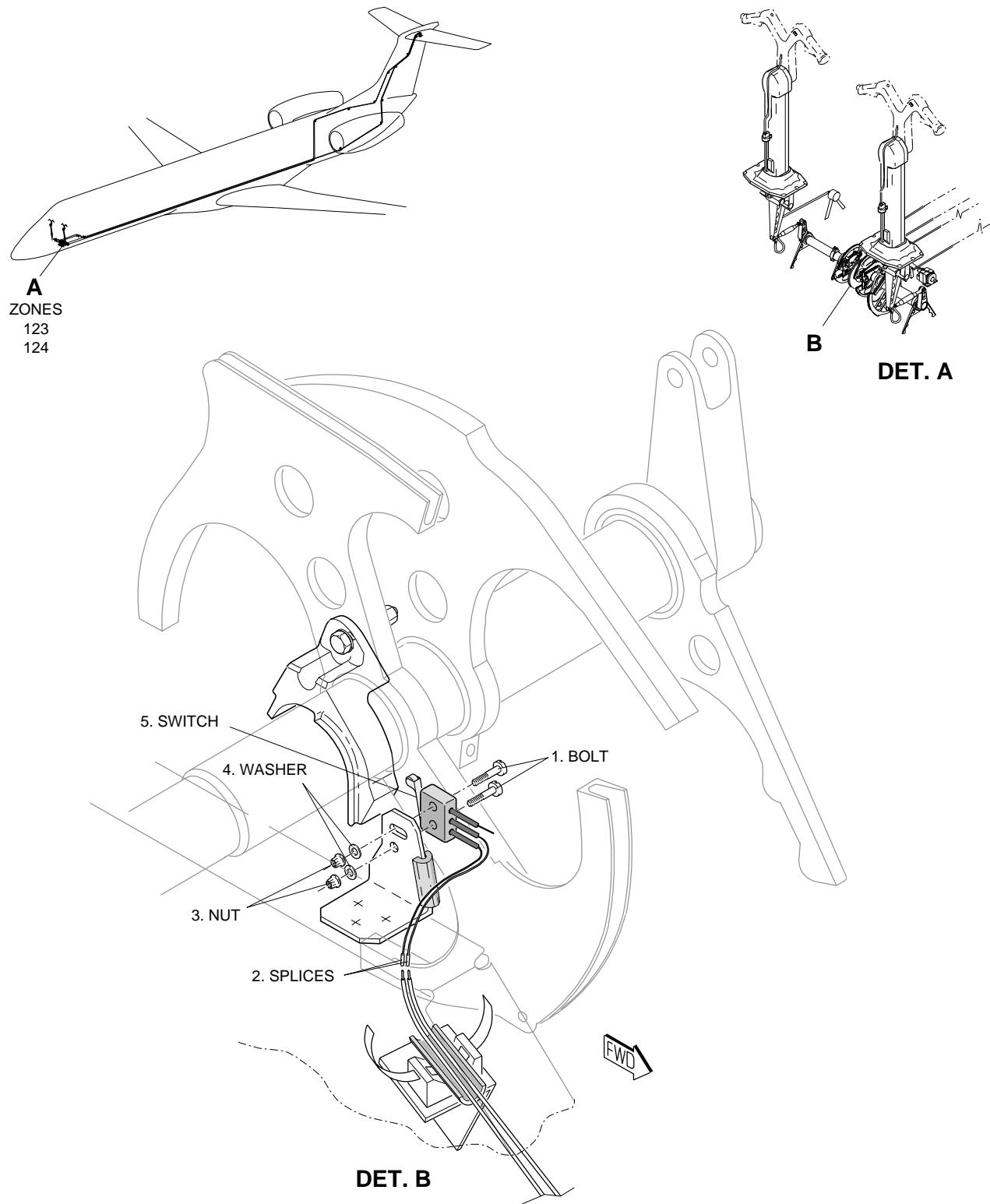
(2) Remove the bolt (1), washer (4), and nut (3) to remove the switch (5) from the support.

(3) Remove the switch (5) from the support.

EFFECTIVITY: AIRCRAFT WITH ELECTROMECHANICAL GUST LOCK

Control-Column Position Switch - Removal/Installation

Figure 401



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TASK 27-71-11-400-801-A

EFFECTIVITY: AIRCRAFT WITH ELECTROMECHANICAL GUST LOCK

3. CONTROL-COLUMN POSITION SWITCH - INSTALLATION

A. General

(1) This task gives the procedure to install the control-column position switch.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 27-71-00-700-801-A/500	ELECTROMECHANICAL GUST LOCK - OPERATIONAL CHECK
AMM TASK 27-71-11-700-801-A/500	CONTROL-COLUMN POSITION SWITCH - ADJUSTMENT

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	123BL	Area below the cockpit floor
124	123BL	Area below the cockpit floor

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Gloves, Phosphate Ester-Base, Fluid-Resistant	Protection for the hands	1
Commercially available	Rubber Goggles, Phosphate Ester-Base, Fluid-Resistant	Protection for the eyes	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Area below the cockpit floor

I. Installation (Figure 401)

SUBTASK 420-002-A

(1) Put the control column fully forward.



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- (2) Install the switch (5) on the support.
- (3) Use the bolt (1), washer (4), and nut (3) to connect the switch (5).
- (4) Connect the splices (2).

J. Follow-on

SUBTASK 842-002-A

- (1) Adjust the switch. Refer to [AMM TASK 27-71-11-700-801-A/500](#).
- (2) Do the operational check of the electromechanical gust lock system. Refer to [AMM TASK 27-71-00-700-801-A/500](#).
- (3) Install control ringing door 123BL AMM MPP 06-41-01/100.