



AIRCRAFT
MAINTENANCE MANUAL

RUDDER POSITION MICROSWITCHES - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the rudder microswitches that are assembled on the rudder control system.
- B. These procedures are applicable to the LH rudder pedal assembly.
- 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
27-25-02-000-801-A	RUDDER POSITION MICROSWITCHES - ALL REMOVAL	
27-25-02-400-801-A	RUDDER POSITION MICROSWITCHES - ALL INSTALLATION	



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TASK 27-25-02-000-801-A

EFFECTIVITY: ALL

2. RUDDER POSITION MICROSWITCHES - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the rudder position microswitch assemblies of the rudder control system.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM TASK 25-11-01-000-801-A/400	PILOT SEAT - REMOVAL
AMM TASK 25-12-06-000-801-A/400	PEDAL ASSEMBLY LINING - REMOVAL
AMM TASK 53-01-01-000-801-A/400	COCKPIT FLOOR PANELS - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223	223HZ	Rudder-control mechanism on the cockpit floor
221	221DF	Rudder control mechanism electrical connectors below the cockpit floor

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 058	Kit, rig pins, flight controls	To lock the rudder control system in the neutral position	

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	Below the cockpit floor

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the aircraft is deenergized and safe for maintenance.



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- (2) Remove the pilot seats ([AMM TASK 25-11-01-000-801-A/400](#)).
- (3) Remove cockpit floor panel 221DF (AMM MPP 06-41-02/100) ([AMM TASK 53-01-01-000-801-A/400](#)).
- (4) Remove left pedal assembly lining 223HZ ([AMM TASK 25-12-06-000-801-A/400](#)).
- (5) Install the rig pins to the rudder control system to lock it in the neutral position.

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

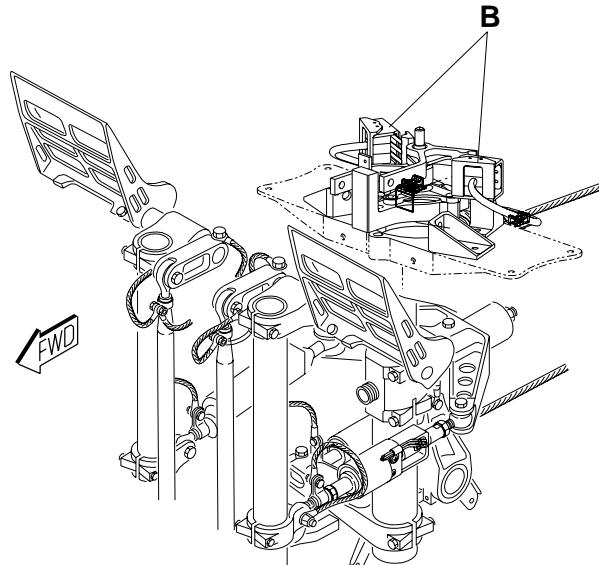
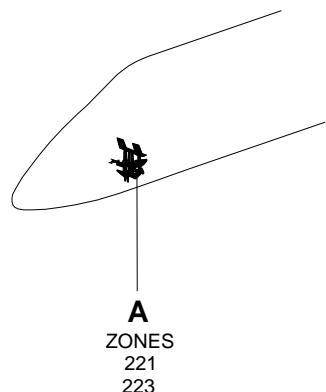
SUBTASK 020-002-A

- (1) Disconnect the electrical connectors (6).
- (2) Remove the screw (1), nut (5), and washer (4) (4 positions).
- (3) Remove angle (2) (2 units).
- (4) Remove the microswitches (7) (6 units).

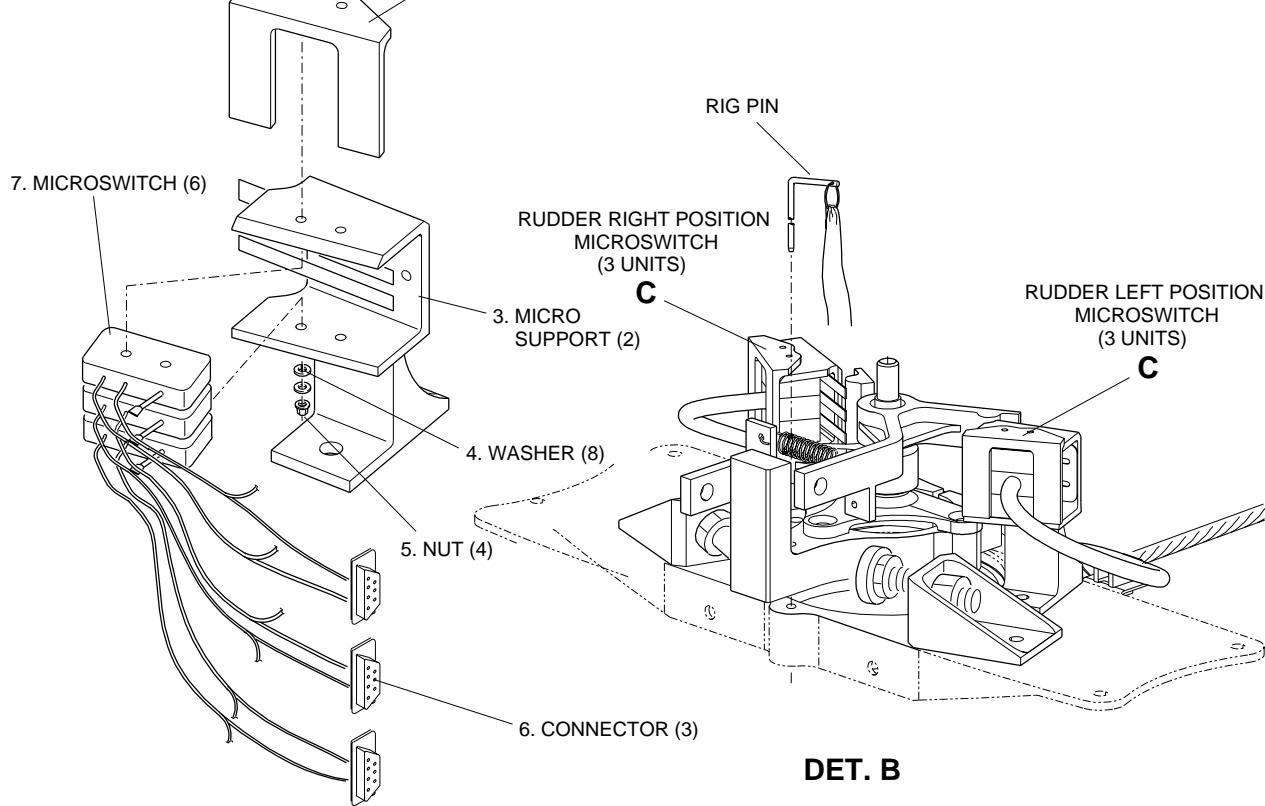
EFFECTIVITY: ALL

Rudder Position Microswitches - Removal/Installation

Figure 401



DET. A



DET. B

DET. C

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TASK 27-25-02-400-801-A

EFFECTIVITY: ALL

3. RUDDER POSITION MICROSWITCHES - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the rudder position microswitch assembly of the rudder control system.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM TASK 25-11-01-400-801-A/400	PILOT SEAT - INSTALLATION
AMM TASK 25-12-06-400-801-A/400	PEDAL ASSEMBLY LINING - INSTALLATION
AMM TASK 27-25-00-700-801-A/500	RUDDER PEDALS AUTOSHUTOFF AND RUDDER MANUAL SHUTOFF FUNCTIONS- OPERATIONAL CHECK
AMM TASK 27-25-02-700-801-A/500	RUDDER POSITION MICROSWITCHES - ADJUST- MENT/TEST
AMM TASK 53-01-01-400-801-A/400	COCKPIT FLOOR PANELS - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223	223HZ	Rudder control mechanism on the cock- pit floor
221	221DF	Rudder control mechanism electrical connectors below the cockpit floor

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 058	Kit rig pins, flight controls	To lock the rudder control system in the neu- tral position	

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	Below the cockpit floor



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I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the microswitches (7) on the micro support (3), position the angle (2), and install screws (1).
- (2) Install the washers (4) and nuts (5).
- (3) Connect the electrical connectors (6).

J. Follow-on

SUBTASK 842-002-A

- (1) Remove the rig pins from the rudder control system.
- (2) Do a check on the rudder position microswitches ([AMM TASK 27-25-02-700-801-A/500](#)).
- (3) Do a check of the rudder pedals autosutoff and rudder manual shutoff functions ([AMM TASK 27-25-00-700-801-A/500](#)).
- (4) Install the left pedal assembly lining 223HZ ([AMM TASK 25-12-06-400-801-A/400](#)).
- (5) Install the cockpit floor panel 221DF (AMM MPP 06-41-02/100) ([AMM TASK 53-01-01-400-801-A/400](#)).
- (6) Install the pilot seats ([AMM TASK 25-11-01-400-801-A/400](#)).