



AIRCRAFT
MAINTENANCE MANUAL

HORIZONTAL-STABILIZER CONTROL UNIT - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the Horizontal-Stabilizer Control Unit.
- B. 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
27-40-01-000-801-A	HORIZONTAL-STABILIZER CONTROL UNIT - REMOVAL	ALL
27-40-01-400-801-A	HORIZONTAL-STABILIZER CONTROL UNIT - INSTALLATION	ALL



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TASK 27-40-01-000-801-A

EFFECTIVITY: ALL

2. HORIZONTAL-STABILIZER CONTROL UNIT - REMOVAL

A. General

- (1) This task gives the procedures to remove the Horizontal-Stabilizer Control Unit.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM SDS 24-60-00/1	
IPC 27-43-02	HORIZONTAL STABILIZER CONTROL UNIT

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272DR	Fuselage rear section

D. Tools and Equipment

Not Applicable

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	Fuselage rear section

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Open access panel 272DR (AMM MPP 06-41-01/100).
- (3) On the Circuit Breaker Panel, open the PITCH TRIM 1 and PITCH TRIM 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.
- (4) On the left power-control-and-distribution box, open the PITCH TRIM 1 circuit breaker and attach a DO-NOT-CLOSE tag to it ([AMM SDS 24-60-00/1](#)).



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- (5) On the right power control and distribution box, open the PITCH TRIM 2 circuit breaker and attach a DO-NOT-CLOSE tag to it ([AMM SDS 24-60-00/1](#)).

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

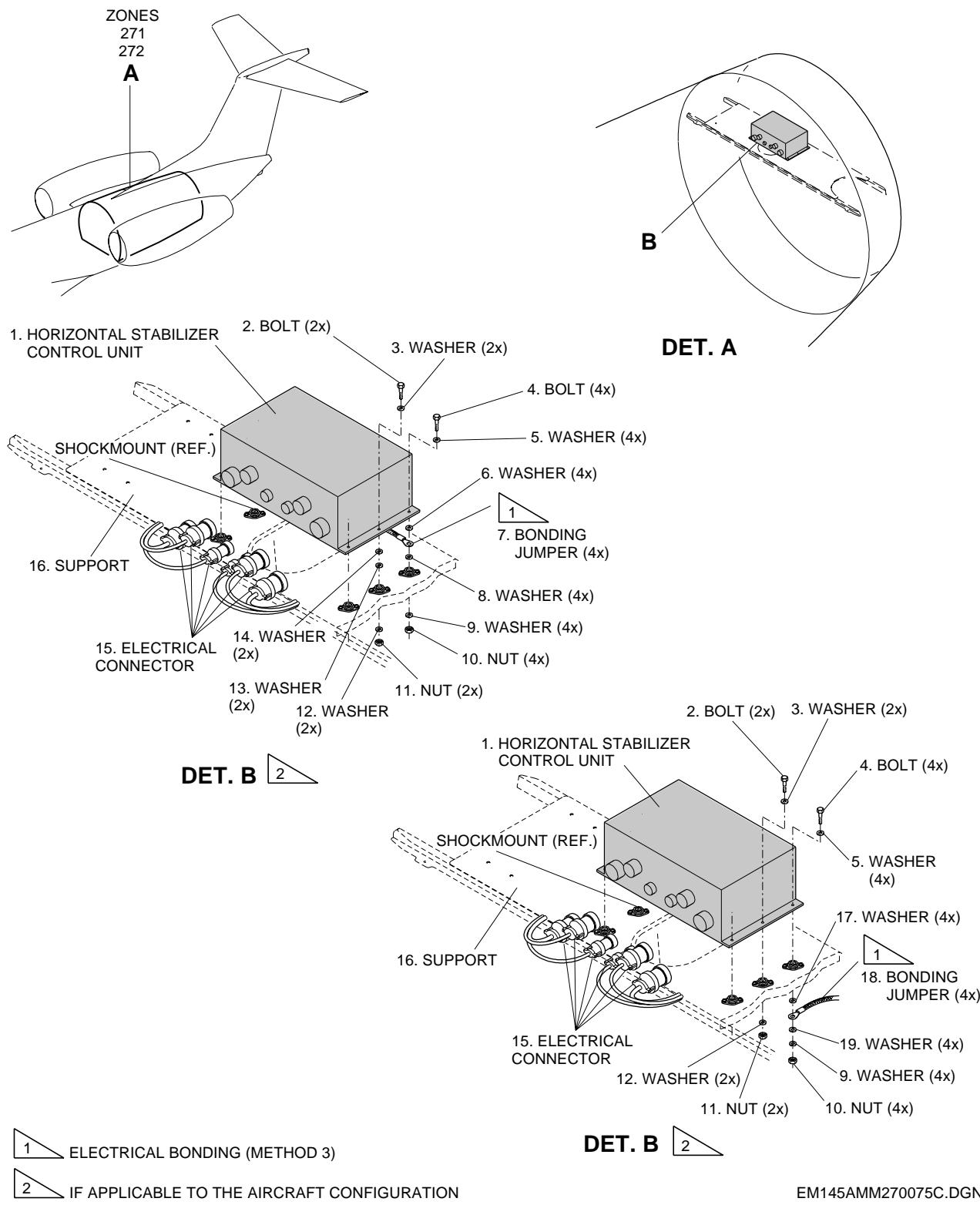
SUBTASK 020-002-A

- (1) Disconnect the electrical connectors (15) from the Horizontal-Stabilizer Control Unit (1).
- (2) Remove the nuts (11) and washers (12).
- (3) Remove the bolts (2) and washers (3).
- (4) Remove the nuts (10) and washers (9).
- (5) Remove the washers (19), bonding jumpers (18) and washers (17), if applicable to the aircraft configuration. Refer to IPC 27-43-02.
- (6) Remove the bolts (4) and washers (5).
- (7) Remove the Horizontal-Stabilizer Control Unit (1) from the support (16).
- (8) Remove the washers (6), bonding jumpers (7) and washers (8), if applicable to the aircraft configuration. Refer to IPC 27-43-02.
- (9) Remove the washers (13) and (14). If applicable to the aircraft configuration. Refer to IPC 27-43-02.

EFFECTIVITY: ALL

Horizontal-Stabilizer Control Unit - Removal/Installation

Figure 401



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TASK 27-40-01-400-801-A

EFFECTIVITY: ALL

3. HORIZONTAL-STABILIZER CONTROL UNIT - INSTALLATION

A. General

- (1) This task gives the procedures to install the Horizontal-Stabilizer Control Unit.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM SDS 24-60-00/1	
AMM TASK 20-13-21-700-801-A/200	ELECTRICAL BONDING TEST - STANDARD PROCEDURES
AMM TASK 20-13-21-910-801-A/200	TYPES OF ELECTRICAL BONDING AND SURFACE PREPARATION - STANDARD PROCEDURES
AMM TASK 20-13-21-910-802-A/200	ELECTRICAL BONDING PROTECTION - STANDARD PROCEDURES
AMM TASK 27-40-00-700-802-A/500	HORIZONTAL-STABILIZER ELECTRICAL/ELECTRONIC OPERATIONAL TEST
IPC 27-43-02	HORIZONTAL STABILIZER CONTROL UNIT

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272DR	Fuselage rear section

D. Tools and Equipment

Not Applicable

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	Fuselage rear section

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the washers (13) and (14) on the shockmount, if applicable to the aircraft configuration. Refer to IPC 27-43-02.



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- (2) Do the bonding procedures, method 3 ([AMM TASK 20-13-21-910-801-A/200](#)), to install the bonding jumpers.
- (3) Put the washers (8), bonding jumpers (7) and washers (6) on the shockmount, if applicable to the aircraft configuration. Refer to IPC 27-43-02.
- (4) Put the Horizontal-Stabilizer Control Unit (1) on the support (16).
- (5) Install the bolts (4) and washers (5).
- (6) Install the washers (17), bonding jumpers (18) and washers (19), if applicable to the aircraft configuration. Refer to IPC 27-43-02.
- (7) Install the washers (9) and nuts (10).
- (8) Install the bolts (2) and washers (3).
- (9) Install the washers (12) and nuts (11).
- (10) Do the bonding test ([AMM TASK 20-13-21-700-801-A/200](#)).
- (11) Do the bonding protection ([AMM TASK 20-13-21-910-802-A/200](#)).
- (12) Connect the electrical connectors (15) to the Horizontal-Stabilizer Control Unit (1).

J. Follow-on

SUBTASK 842-002-A

- (1) Close access panel 272DR (AMM MPP 06-41-01/100).
- (2) On the Circuit Breaker Panel, close the PITCH TRIM 1 and PITCH TRIM 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.
- (3) On the left power control and distribution box, close the PITCH TRIM 1 circuit breaker and remove the DO-NOT-CLOSE tag from it ([AMM SDS 24-60-00/1](#)).
- (4) On the right power control and distribution box, close the PITCH TRIM 2 circuit breaker and remove the DO-NOT-CLOSE tag from it ([AMM SDS 24-60-00/1](#)).
- (5) Do the electrical and electronic test of the horizontal stabilizer ([AMM TASK 27-40-00-700-802-A/500](#)).