

## HORIZONTAL-TO-VERTICAL STABILIZER - BONDING JUMPERS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

### 1. General

- A. This section gives the procedures to remove and install the two bonding jumpers, installed between the horizontal to vertical stabilizers.
- 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
55-11-01-000-801-A	HORIZONTAL-TO-VERTICAL-STABILIZER ALL BONDING JUMPERS - REMOVAL	
55-11-01-400-801-A	HORIZONTAL-TO-VERTICAL-STABILIZER ALL BONDING JUMPERS - INSTALLATION	

TASK 55-11-01-000-801-A

EFFECTIVITY: ALL

## 2. HORIZONTAL-TO-VERTICAL-STABILIZER BONDING JUMPERS - REMOVAL

### A. General

- (1) This task gives the procedures to remove the two bonding jumpers, installed between the horizontal to vertical stabilizers.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 55-36-00-000-801-A/400</a>	TAIL BOOM - REMOVAL
<a href="#">S.B.145-55-0028</a>	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
337		Tail boom

### 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	Tail boom

### I. Preparation

#### SUBTASK 841-002-A

- (1) Set the Pitch Trim to FULL NOSE DOWN (DN 4). Thus, the horizontal stabilizer leading edge will be fully UP.
- (2) On the circuit breaker panel, open the PITCH TRIM 1 circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (3) On the left electrical power control/distribution box, open the PITCH TRIM 1 circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (4) On the right electrical power control/distribution box, open the PITCH TRIM 2 circuit breaker and attach a DO-NOT-CLOSE tag to it.

- (5) Put a DO-NOT-OPERATE-THE-HORIZONTAL-STABILIZER sign on the pitch trim panel, in the cockpit.
- (6) NOTE: It is not necessary to remove the two seal fairings. Remove only one, the LH or the RH seal fairing.

Remove the RH or the LH seal fairing ( [AMM TASK 55-36-00-000-801-A/400](#)).

J. Removal

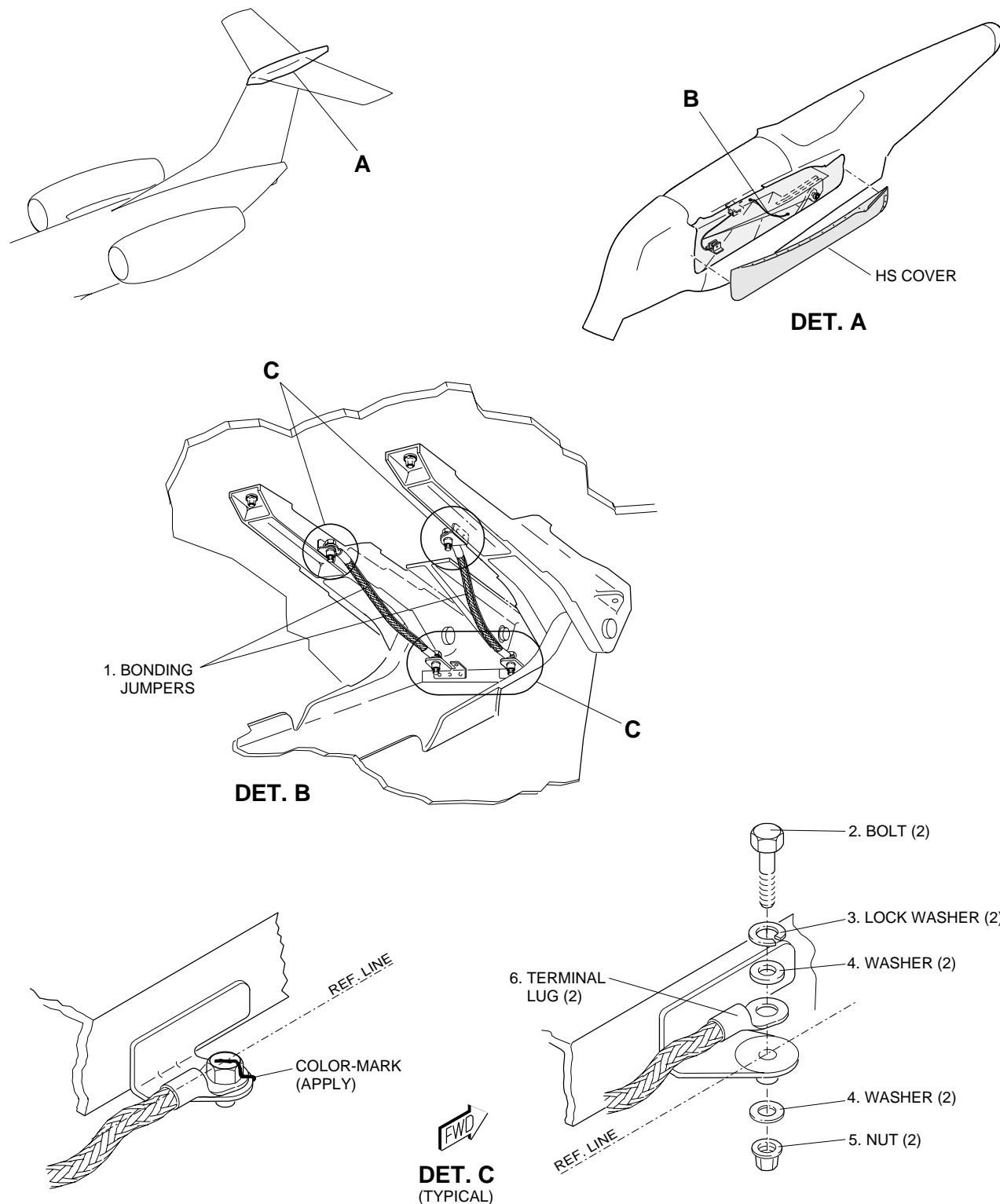
*SUBTASK 020-002-A*

- (1) For AIRCRAFT PRE-MOD. [S.B.145-55-0028](#) ([Figure 401](#))
  1. Remove the two bolts (2), the two lock washers (3), the four washers (4), and the two nuts (5), that attach the two bonding-jumper terminal lugs (6) to the supports.
  2. Remove the bonding jumper (1).
- (2) For AIRCRAFT POST-MOD. [S.B.145-55-0028](#) ([Figure 402](#))
  1. Remove the two bolts (1), the washers (2) and (3) and the two nuts (4) that attach each bonding jumper (5) to its supports.
  2. Remove the bonding jumper (5).

EFFECTIVITY: AIRCRAFT PRE-MOD. S.B. 145-55-0028

Horizontal-to-Vertical-Stabilizer Bonding Jumpers - Removal/Installation

Figure 401

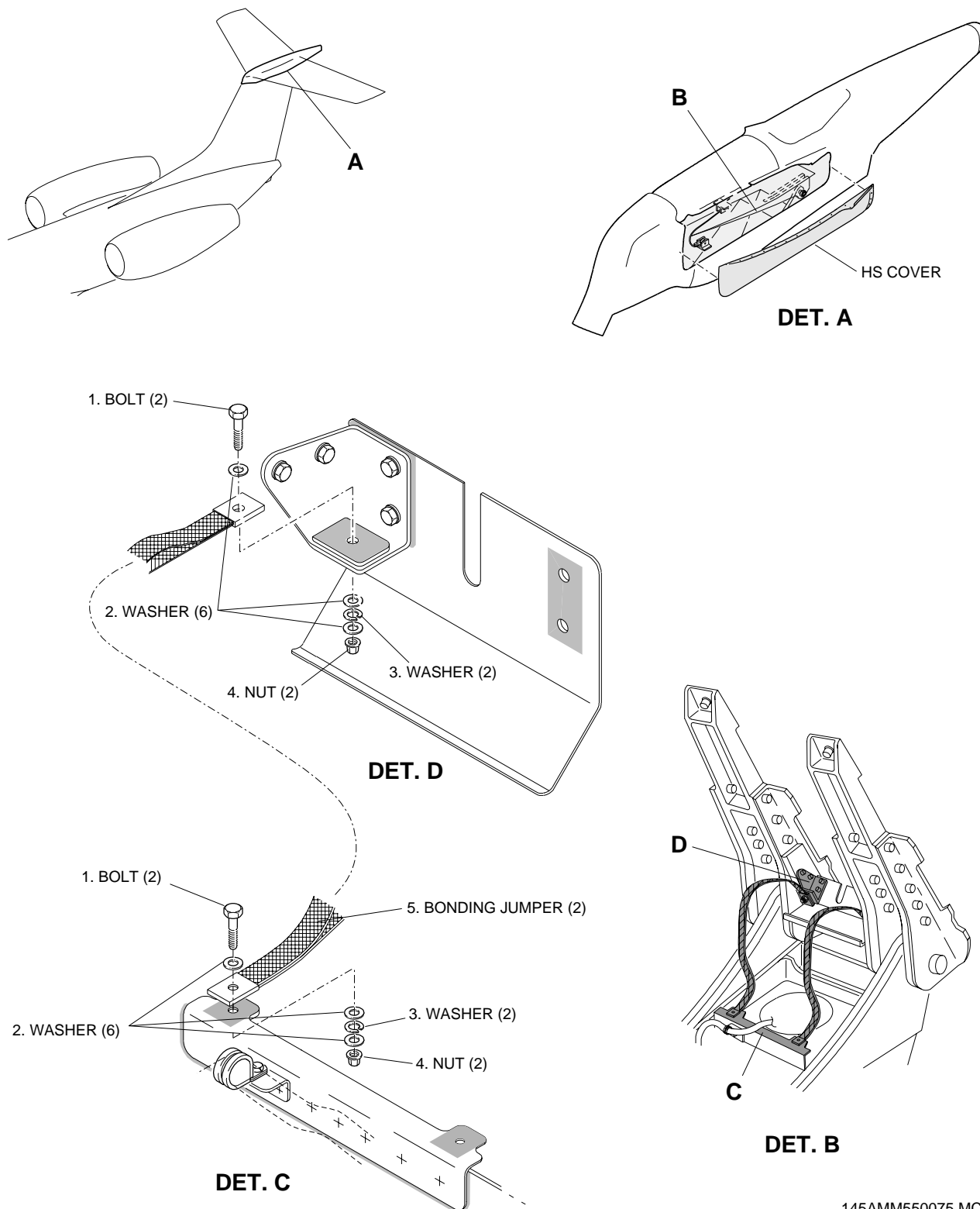


145AMM550071.MCE

EFFECTIVITY: AIRCRAFT POST-MOD. S.B. 145-55-0028

Horizontal-to-Vertical-Stabilizer Bonding Jumpers - Removal/Installation

Figure 402



145AMM550075.MCE

TASK 55-11-01-400-801-A

EFFECTIVITY: ALL

### 3. HORIZONTAL-TO-VERTICAL-STABILIZER BONDING JUMPERS - INSTALLATION

#### A. General

- (1) This task gives the procedures to install the two bonding jumpers, installed between the horizontal to vertical stabilizers.

#### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 20-13-21-910-801-A/200</a>	TYPES OF ELECTRICAL BONDING AND SURFACE PREPARATION - STANDARD PROCEDURES
<a href="#">AMM TASK 55-11-01-200-801-A/600</a>	HORIZONTAL-TO-VERTICAL-STABILIZER BONDING JUMPERS - VISUAL INSPECTION
<a href="#">AMM TASK 55-36-00-400-801-A/400</a>	TAIL BOOM - INSTALLATION
<a href="#">S.B.145-55-0028</a>	-

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
337		Tail boom

#### 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	Tail boom

#### I. Installation

##### SUBTASK 420-002-A

**CAUTION:** IF THE ELECTRICAL BONDING DEVICE DOES NOT MAKE UP A GOOD ELECTRIC CONDUCTIVE PATH, DAMAGE CAN OCCUR TO THE AIRCRAFT OR THE EQUIPMENT. REFER TO [AMM TASK 20-13-21-910-801-A/200](#) FOR THE ELECTRICAL BONDING PROCEDURES.

**CAUTION:** THE BONDING JUMPERS MUST BE MOUNTED IN THE LENGTHWISE LINE WITH NO MISALIGNMENT.

- (1) AIRCRAFT PRE-MOD. [S.B.145-55-0028](#) (Figure 401)
  1. Install the two bolt (2), the four washers (4), the two lock washer (3) and the two nut (5) that attach the two bonding-jumper terminal lug (6).
  2. Apply a coat of the color mark material to the bolt head and the nut with a brush.
- (2) AIRCRAFT POST-MOD. [S.B.145-55-0028](#) (Figure 402)
  1. Install the two bolts (1), the washers (2) and (3) and the two nuts (4) that attach each bonding jumper (5) to its supports.
  2. Apply a coat of the color mark material to the bolt head and the nut with a brush.

J. Follow-on

*SUBTASK 842-002-A*

- (1) For AIRCRAFT PRE-MOD. [S.B.145-55-0028](#), do the Horizontal-to-Vertical-Stabilizer Bonding Jumpers visual inspection ( [AMM TASK 55-11-01-200-801-A/600](#)).
- (2) Install the RH or the LH seal fairing ( [AMM TASK 55-36-00-400-801-A/400](#)).
- (3) On the circuit breaker panel, close the PITCH TRIM 1 circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (4) On the left power control/distribution box, close the PITCH TRIM 1 circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (5) On the right power control/distribution box, close the PITCH TRIM 2 circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (6) Remove the DO-NOT-OPERATE-THE-HORIZONTAL-STABILIZER sign from the pitch trim panel, in the cockpit.

