



## AIRCRAFT MAINTENANCE MANUAL

### BONDING STRAPS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedure to remove and install the engine bonding straps.
- 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
71-52-01-000-801-A	ENGINE BONDING STRAPS - REMOVAL	ALL
71-52-01-400-801-A	ENGINE BONDING STRAPS - INSTALLA- TION	ALL



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TASK 71-52-01-000-801-A

EFFECTIVITY: ALL

2. ENGINE BONDING STRAPS - REMOVAL

A. General

(1) This task is applicable to the LH and RH engines.

B. References

REFERENCE	DESIGNATION
AMM MPP 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 71-11-01-000-801-A/400	ENGINE UPPER COWLING - REMOVAL
AMM TASK 71-13-01-000-801-A/400	NACELLE APRON - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
412		LH Engine upper cowling
422		RH Engine upper cowling
413		LH Engine lower cowling
423		RH Engine lower cowling

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the engine	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Engine

I. Preparation

SUBTASK 841-002-A

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 71-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.**



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- (1) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them.
  - START 1/2.
- (2) Put the workstand in the work area.
- (3) Remove the upper cowling ([AMM TASK 71-11-01-000-801-A/400](#)) to get access to the engine bonding straps.
- (4) Remove the apron ([AMM TASK 71-13-01-000-801-A/400](#)) to get access to the engine bonding straps.

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

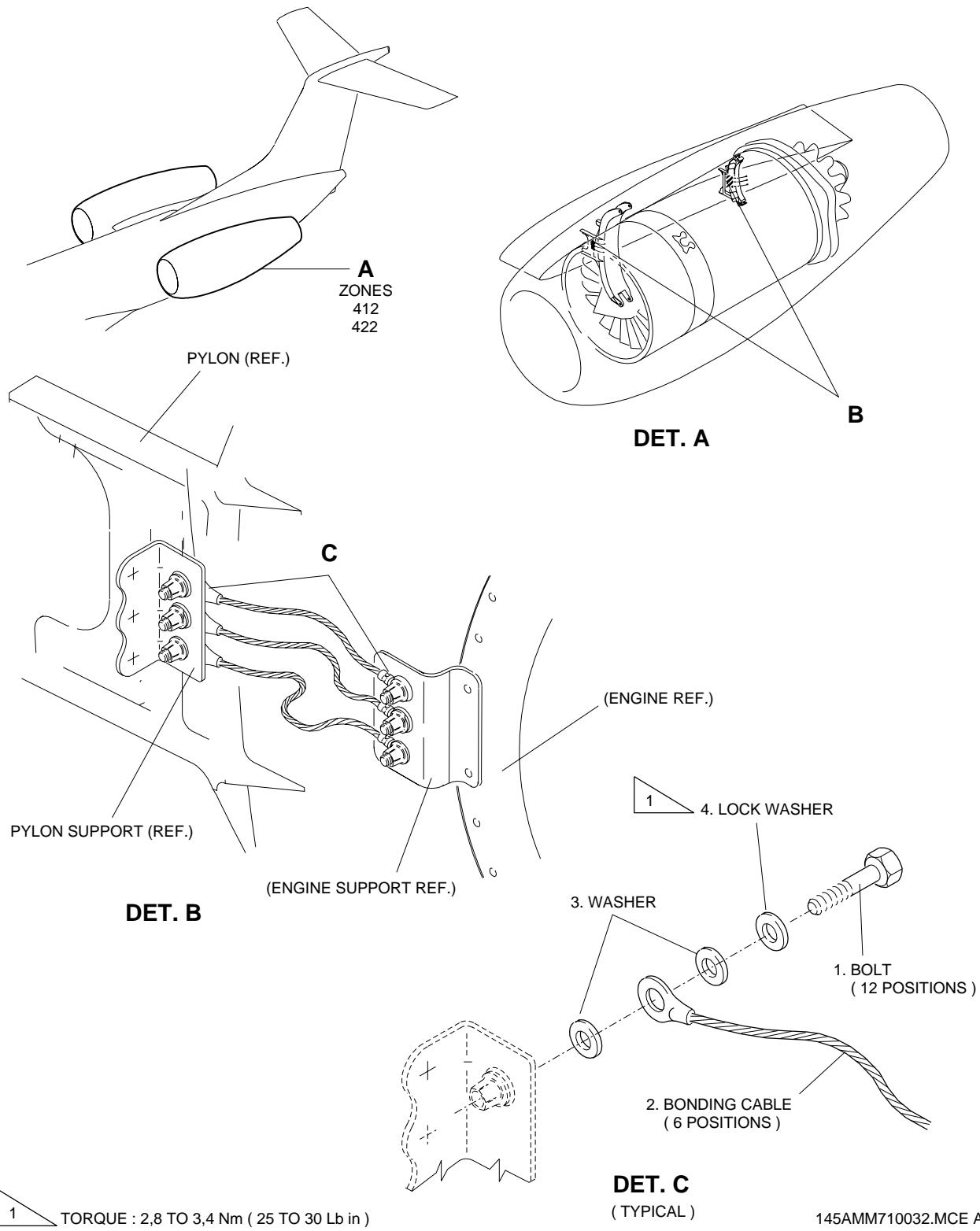
SUBTASK 020-002-A

- (1) Disconnect the bolt (1) and washers (3) and (4) and remove the bonding straps (2) at the front and the rear side of the pylon/engine.

**EFFECTIVITY: ALL**

Engine Bonding Straps - Removal/Installation

Figure 401



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TASK 71-52-01-400-801-A

EFFECTIVITY: ALL

3. ENGINE BONDING STRAPS - INSTALLATION

A. General

(1) This task is applicable to the LH and RH engines.

B. References

REFERENCE	DESIGNATION
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 71-11-01-400-801-A/400	ENGINE UPPER COWLING - INSTALLATION
AMM TASK 71-13-01-400-801-A/400	APRON - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
412		LH Engine upper cowling
422		RH Engine upper cowling
413		LH Engine lower cowling
423		RH Engine lower cowling

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench (For its torque range, refer to Figure 401)	To apply torque	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the engine	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Engine

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Prepare the bonding straps for bonding. Do the bonding procedure method 7 ([AMM TASK 20-13-21-910-801-A/200](#)).
- (2) Put the bolt (1), washers (3) and (4), and bonding straps (2) on the front and the rear of the engine.
- (3) Attach the bolts (1) to attach the bonding straps (2) to the engine/pylon supports.
- (4) Do the bonding test on the bonding straps ([AMM TASK 20-13-21-700-801-A/200](#)).
- (5) Do the bonding protection for the bonding straps ([AMM TASK 20-13-21-910-802-A/200](#)).

J. Follow-on

SUBTASK 842-002-A

- (1) Install the apron ([AMM TASK 71-13-01-400-801-A/400](#)).
- (2) Install the upper cowling ([AMM TASK 71-11-01-400-801-A/400](#)).
- (3) Remove the workstand.
- (4) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
  - START 1/2.