

## GROUND CONNECTION - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to remove and install the Engine-Starting Ground Coupling.
- 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
36-10-02-000-801-A	ENGINE-STARTING GROUND COUPLING - REMOVAL	ALL
36-10-02-400-801-A	ENGINE STARTING GROUND COUPLING - INSTALLATION	ALL

TASK 36-10-02-000-801-A

EFFECTIVITY: ALL

## 2. ENGINE-STARTING GROUND COUPLING - REMOVAL

### A. General

(1) This task gives the instructions to remove the engine-starting ground coupling.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272CR	Fuselage rear section I

### 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	In the coupling

### I. Preparation

**SUBTASK 841-002-A**

(1) Open door 272CR (AMM MPP 06-41-01/100).

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

**SUBTASK 020-002-A**

(1) Use a spatula to remove the sealant from around the fuselage, bolt and washers.

(2) Remove the bolts [\(7\)](#).

(3) Remove the washers [\(6\)](#) and [\(5\)](#).

(4) Remove the engine-starting ground coupling [\(4\)](#).

(5) Remove and discard the O-ring [\(3\)](#).



EMB145 – EMB135

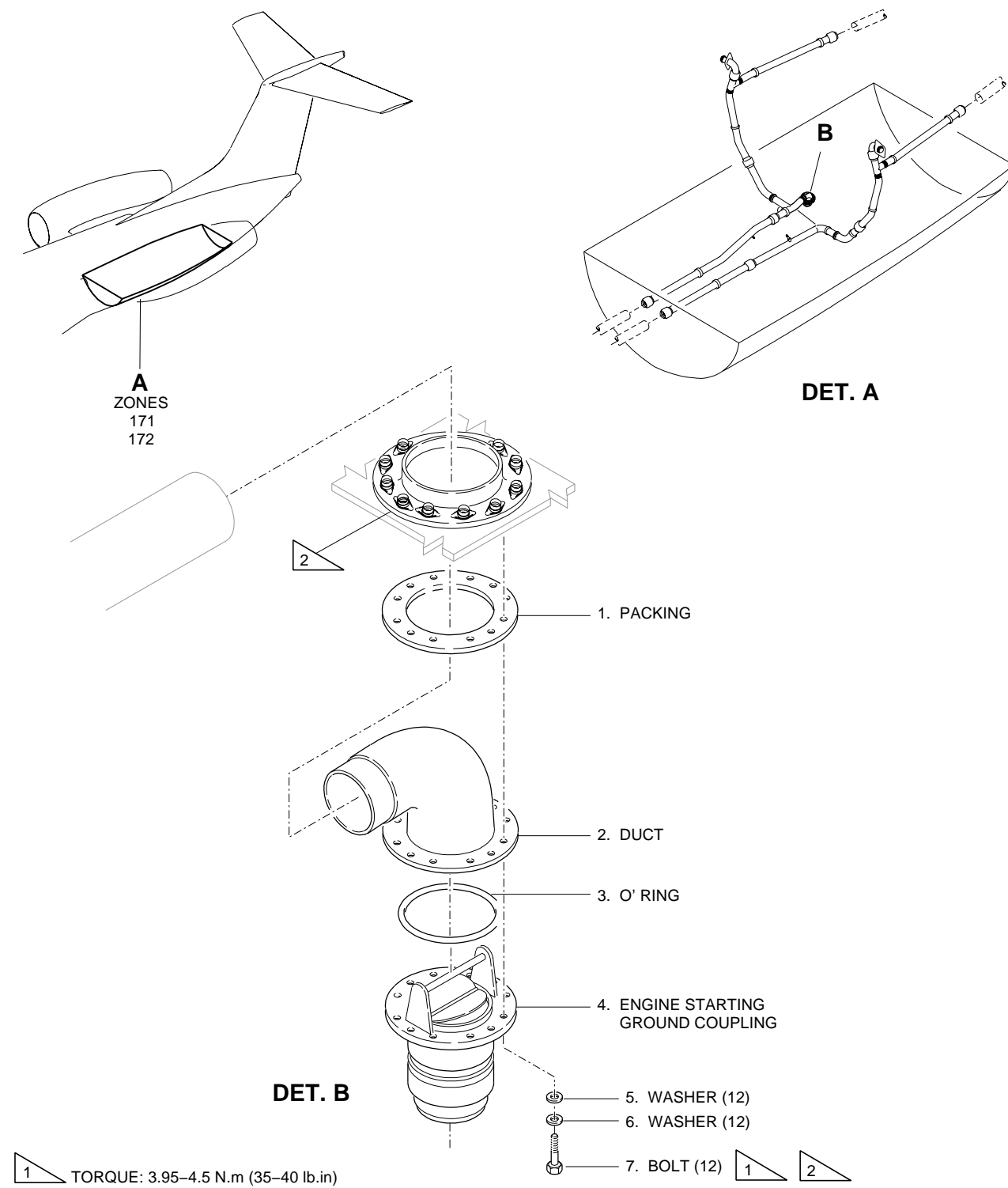
## AIRCRAFT MAINTENANCE MANUAL

- (6) Remove and discard the packing (1).
- (7) Remove the duct (2).

EFFECTIVITY: ALL

Engine-Starting Ground Coupling - Removal/Installation

Figure 401



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TASK 36-10-02-400-801-A  
EFFECTIVITY: ALL

3. ENGINE STARTING GROUND COUPLING - INSTALLATION

A. General

(1) This task gives the instructions to install the engine-starting ground coupling.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
IPC 36-10-02	ENGINE STARTING GROUND COUPLING

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272CR	Fuselage rear section I

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench (Range: 0 -100 lb.in)	To tighten the clamps	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Porous-point marker	To make marks on the packing	1
Commercially available	Plastic spatula	To remove the old sealant	1

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
780 Type II Class A	Silicone Sealant	AR
Commercially available	Isopropyl alcohol (Fed. Spec. TT-I-735)	To clean the surface
Commercially available	Methyl ethyl ketone (ASTM D 740)	To clean the surface

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 36-10-02	1/LRU
Packing	IPC 36-10-02	1/LRU

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the coupling

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the packing (1) to the duct (2).
- (2) Install the duct (2).
- (3) Install the O-ring (3) to the engine-starting ground coupling (4).
- (4) Install the engine-starting ground coupling (4) on the duct (2).
- (5) Install the washers (5) and (6).
- (6) Install the bolts (7) applying torque of 3.95–4.5 N.m (35–40 lb.in).
- (7) Apply fillet sealant (SRM -51-20-01).

J. Follow-on

SUBTASK 842-002-A

- (1) Close door 272CR (AMM MPP 06-41-01/100).