



AIRCRAFT  
MAINTENANCE MANUAL

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 ALL - REMOVAL	
36-10-02-400-801-A	ENGINE STARTING GROUND COUPLING ALL - INSTALLATION	



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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)

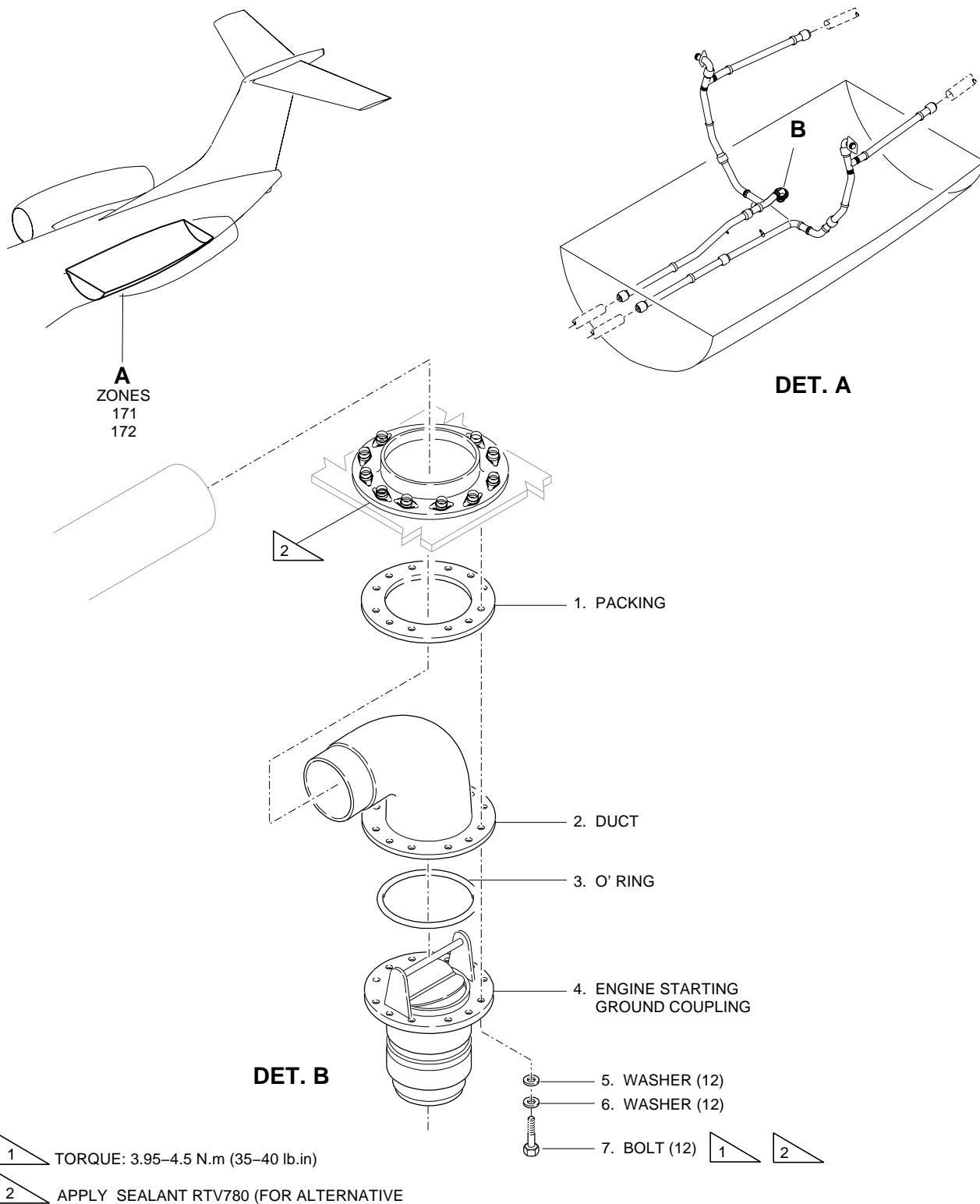
SUBTASK 020-002-A

- (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).

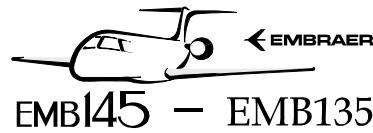


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- (6) Remove and discard the packing [\(1\)](#).
- (7) Remove the duct [\(2\)](#).

**EFFECTIVITY: ALL**
**Engine-Starting Ground Coupling - Removal/Installation**
**Figure 401**


EM145AMM360047C.DGN



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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



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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).