

FUEL-FEED-LINE SHROUD - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures to remove/install the fuel-feed-line shroud.
- 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
28-21-10-000-801-A	FUEL-FEED-LINE SHROUD - REMOVAL	ACFT MODEL(S) EMB-145
28-21-10-400-801-A	FUEL-FEED-LINE SHROUD - INSTALLATION	ACFT MODEL(S) EMB-145

TASK 28-21-10-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. FUEL-FEED-LINE SHROUD - REMOVAL

A. General

- (1) This task is applicable to the engine fuel-feed-line shroud and to the APU fuel-feed-line shroud.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM MPP 06-41-05/100	- COMPONENT LOCATION
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 28-11-01-000-801-A/400	FUEL-TANK ACCESS PANELS - REMOVAL
AMM TASK 28-11-01-000-802-A/400	FUEL-TANK ACCESS PANELS - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
155	155FZ	LH Wing stub
156	156FZ	RH Wing stub
155	155GZ	LH Wing stub
156	156GZ	RH Wing stub
251	251FF	Passenger cabin
251	251HF	Passenger cabin
252	252DF	Passenger cabin
261	261BF	Passenger cabin
261	261DF	Passenger cabin
271	271ALW	Baggage-compartment internal panel
262	262AF	Passenger cabin
262	262BF	Passenger cabin
272	272ARW	Baggage-compartment internal panel
271	271AF	Baggage compartment
271	271BF	Baggage compartment
271	271CF	Baggage compartment
271	271DF	Rear electronic compartment
271	271EF	Rear electronic compartment
271	271FF	Baggage compartment
272	272AF	Baggage compartment
272	272DR	Rear fuselage

- 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	LH-RH Wing stub/Passenger cabin/ Baggage compartment/Rear fuselage/Rear electronic compartment

- I. Preparation
SUBTASK 841-013-A

WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN [AMM MPP 28-00-00/200](#) TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.

- (1) On the circuit breaker panel, open these circuit breakers and attach a DO-NOT-CLOSE tag to them:
 - FUEL PUMPS 1A/1B/1C.
 - FUEL PUMPS 2A/2B/2C.
 - START 1/2.
- (2) Remove these access panels ([AMM TASK 28-11-01-000-801-A/400](#) or [AMM TASK 28-11-01-000-802-A/400](#)) as applicable to get access to the APU/engine fuel-feed-line shroud:
 - (a) Wing stub:
 - 155FZ/156FZ/155GZ/156GZ (AMM MPP 06-41-01/100).
 - (b) Passenger cabin:
 - 251FF/251HF/252DF/261BF/261DF/262AF/262BF/262CF (AMM MPP 06-41-02/100).
 - (c) Baggage compartment:
 - 271AF/271BF/271CF/271FF/272AF (AMM MPP 06-41-02/100).
 - (d) Baggage-compartment internal panels:
 - 271ALW/272ARW ([AMM MPP 06-41-05/100](#)).

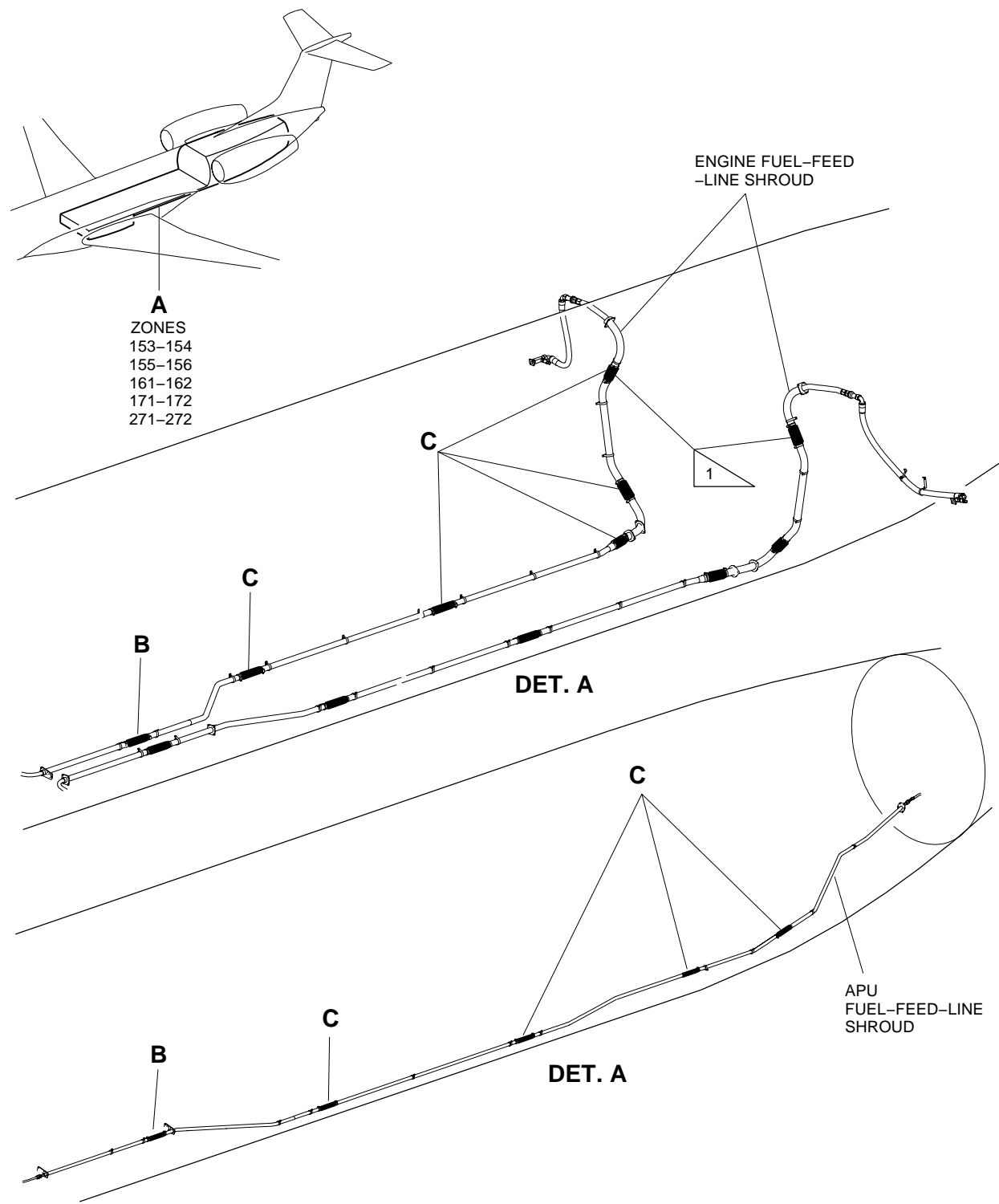
- (e) Rear electronic compartment:
 - 271DF/271EF (AMM MPP 06-41-02/100).
- (f) Rear fuselage:
 - 272DR (AMM MPP 06-41-01/100).

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

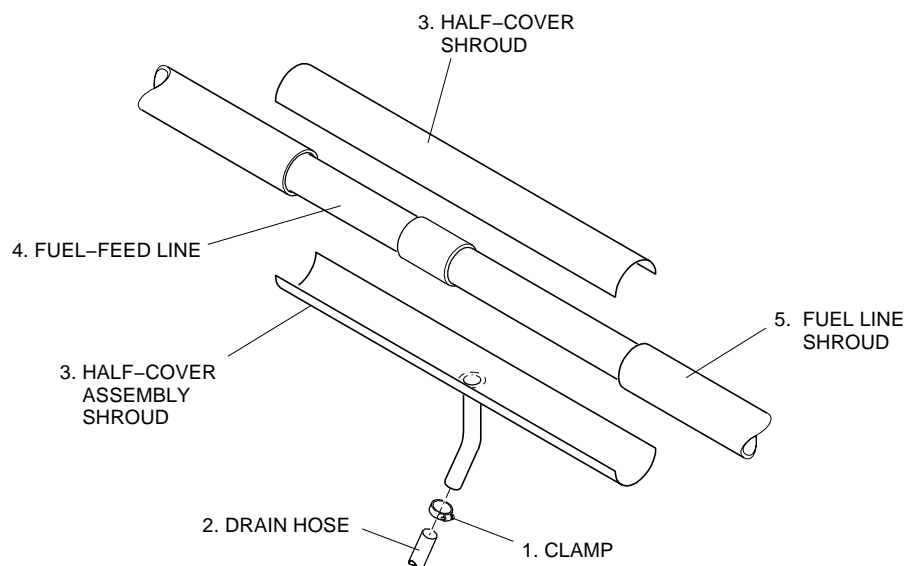
SUBTASK 020-009-A

- (1) Remove the clamp (1).
- (2) Remove the drain hose (2).
- (3) If applicable, loosen the clamps (6) and slide them out of the half-cover shroud (3).
- (4) If applicable, remove the sealant from the lock wires (6).
- (5) If applicable, remove and discard the lock wires (6).
- (6) Remove the sealant.
- (7) Remove the half-cover shroud (3) and half-cover assembly shroud (3).

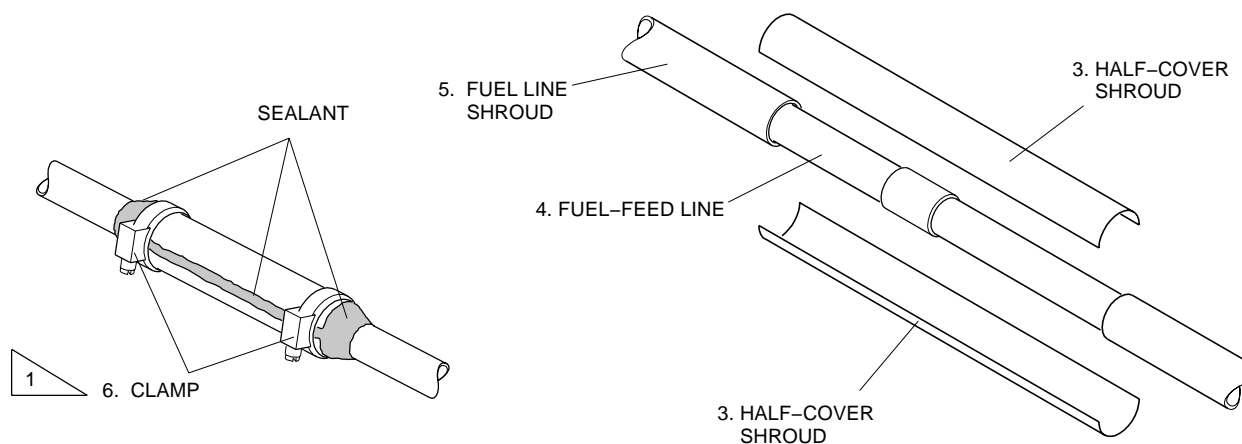
EFFECTIVITY: ACFT MODEL(S) EMB-145
Fuel-Feed-Line Shroud - Removal/Installation
Figure 401 - Sheet 1



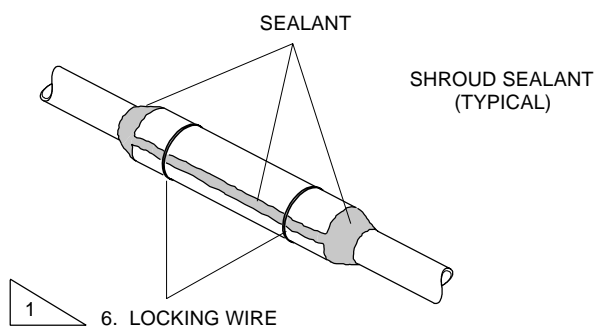
EFFECTIVITY: ACFT MODEL(S) EMB-145
Fuel-Feed-Line Shroud - Removal/Installation
Figure 401 - Sheet 2



DET. B
(TYPICAL)



DET. C
(TYPICAL)



1 IF APPLICABLE TO THE AIRCRAFT CONFIGURATION

EM145AMM280075C.DGN

TASK 28-21-10-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

3. FUEL-FEED-LINE SHROUD - INSTALLATION

A. General

- (1) This task is applicable to the engine fuel-feed-line shroud and to the APU fuel-feed-line shroud.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM MPP 06-41-05/100	- COMPONENT LOCATION
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM MPP 28-21-10/200	-
AMM TASK 28-11-01-400-801-A/400	FUEL-TANK ACCESS PANELS - INSTALLATION
AMM TASK 28-11-01-400-802-A/400	FUEL-TANK ACCESS PANELS - INSTALLATION
AMM TASK 28-21-10-700-801-A/500	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
155	155FZ	LH Wing stub
156	156FZ	RH Wing stub
155	155GZ	LH Wing stub
156	156GZ	RH Wing stub
251	251FF	Passenger cabin
251	251HF	Passenger cabin
252	252DF	Passenger cabin
261	261BF	Passenger cabin
261	261DF	Passenger cabin
271	271ALW	Baggage-compartment internal panel
262	262AF	Passenger cabin
262	262BF	Passenger cabin
272	272ARW	Baggage-compartment internal panel
271	271AF	Baggage compartment
271	271BF	Baggage compartment
271	271CF	Baggage compartment
271	271DF	Rear electronic compartment
271	271EF	Rear electronic compartment
271	271FF	Baggage compartment
272	272AF	Baggage compartment

(Continued)

ZONE	PANEL/DOOR	LOCATION
272	272DR	Rear fuselage

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS 20995C32	Lock wire	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH-RH Wing stub/Passenger cabin/ Baggage compartment/Rear fuselage/Rear electronic compartment

I. Installation (Figure 401)

SUBTASK 420-010-A

WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN [AMM MPP 28-00-00/200](#) TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.

- (1) Put the half-cover assembly shroud (3) and half-cover shroud (3) over the fuel feed line shroud (5).
- (2) Seal the fuel-feed-line shroud (AMM MPP 28-21-10/200).
- (3) Install the drain hose (2) and clamp (1).

J. Follow-on

SUBTASK 842-010-A

- (1) Install the access panels ([AMM TASK 28-11-01-400-801-A/400](#)) or ([AMM TASK 28-11-01-400-802-A/400](#)) as applicable:
 - (a) Wing stub:
 - 155FZ/156FZ/155GZ/156GZ (AMM MPP 06-41-01/100).
 - (b) Passenger cabin:

- 251FF/251HF/252DF/261BF/261DF/262AF/262BF/262CF (AMM MPP 06-41-02/100).
- (c) Baggage compartment:
 - 271AF/271BF/271CF/271FF/272AF (AMM MPP 06-41-02/100).
- (d) Baggage-compartment internal panels:
 - 271ALW/272ARW ([AMM MPP 06-41-05/100](#)).
- (e) Rear electronic compartment:
 - 271DF/271EF (AMM MPP 06-41-02/100).
- (f) Rear fuselage:
 - 272DR (AMM MPP 06-41-01/100).
- (2) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
 - FUEL PUMPS 1A/1B/1C.
 - FUEL PUMPS 2A/2B/2C.
 - START 1/2.
- (3) Do the operational test of the engine fuel-feed-line shroud (AMM TASK 28-21-10-700-801-A/500).

