

TANK DRAIN VALVE CONTROL CABLE - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures to remove and install the tank drain-valve control cable.
- B. The tank drain-valve control cable goes through a conduit and is connected to a small rigid bar (directly attached to the tank drain valve).

NOTE: You must not remove the cable from its conduit.

- C. 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
38-10-06-000-801-A	TANK DRAIN-VALVE CONTROL CABLE - REMOVAL	ACFT MODEL(S) EMB-145
38-10-06-400-801-A	TANK DRAIN-VALVE CONTROL CABLE - INSTALLATION	ACFT MODEL(S) EMB-145

TASK 38-10-06-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. TANK DRAIN-VALVE CONTROL CABLE - REMOVAL

A. General

- (1) This task gives the procedure to remove the tank drain-valve control cable.
- (2) To get access to the tank drain-valve control cable, you must remove: the last double seat, the optional flight attendant seat (if applicable), the passenger-cabin floor lining and the passenger-cabin floor panel of that area, the plumbing access panel at the bottom of the wash-basin cabinet, the baggage compartment floor lining and the baggage compartment floor panels near the passenger cabin/baggage compartment partition. You also must open the water service-panel door.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM TASK 25-21-01-000-801-A/400	-
AMM TASK 25-21-02-000-801-A/400	FLIGHT ATTENDANT SEAT - REMOVAL
AMM TASK 25-24-01-000-801-A/400	PASSENGER-CABIN FLOOR LINING - REMOVAL
AMM TASK 25-40-01-000-801-A/400	-
AMM TASK 25-51-04-000-801-A/400	BAGGAGE-COMPARTMENT FLOOR LINING - REMOVAL

C. Zones and Accesses

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
193	193MR	Rear wing-to-fuselage fairing
262	262BF	Passenger cabin floor
271	271AF	Baggage compartment floor
272	272AF	Baggage compartment floor

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	Under the passenger cabin floor
1	Helps with the task	Under the baggage compartment floor

I. Preparation

SUBTASK 841-007-A

- (1) Remove the last double seat (AMM TASK 25-21-01-000-801-A/400).
- (2) If applicable, remove the optional flight attendant seat ([AMM TASK 25-21-02-000-801-A/400](#)).
- (3) Remove the passenger-cabin floor lining ([AMM TASK 25-24-01-000-801-A/400](#)).
- (4) Remove passenger-cabin floor panel 262BF (AMM MPP 06-41-02/100).
- (5) Remove the plumbing access panel at the bottom of the wash-basin cabinet (AMM TASK 25-40-01-000-801-A/400).
- (6) Remove the baggage compartment floor lining ([AMM TASK 25-51-04-000-801-A/400](#)).
- (7) Remove baggage compartment floor panels 271AF and 272AF (AMM MPP 06-41-02/100).
- (8) Open water service-panel door 193MR (AMM MPP 06-41-01/100).

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

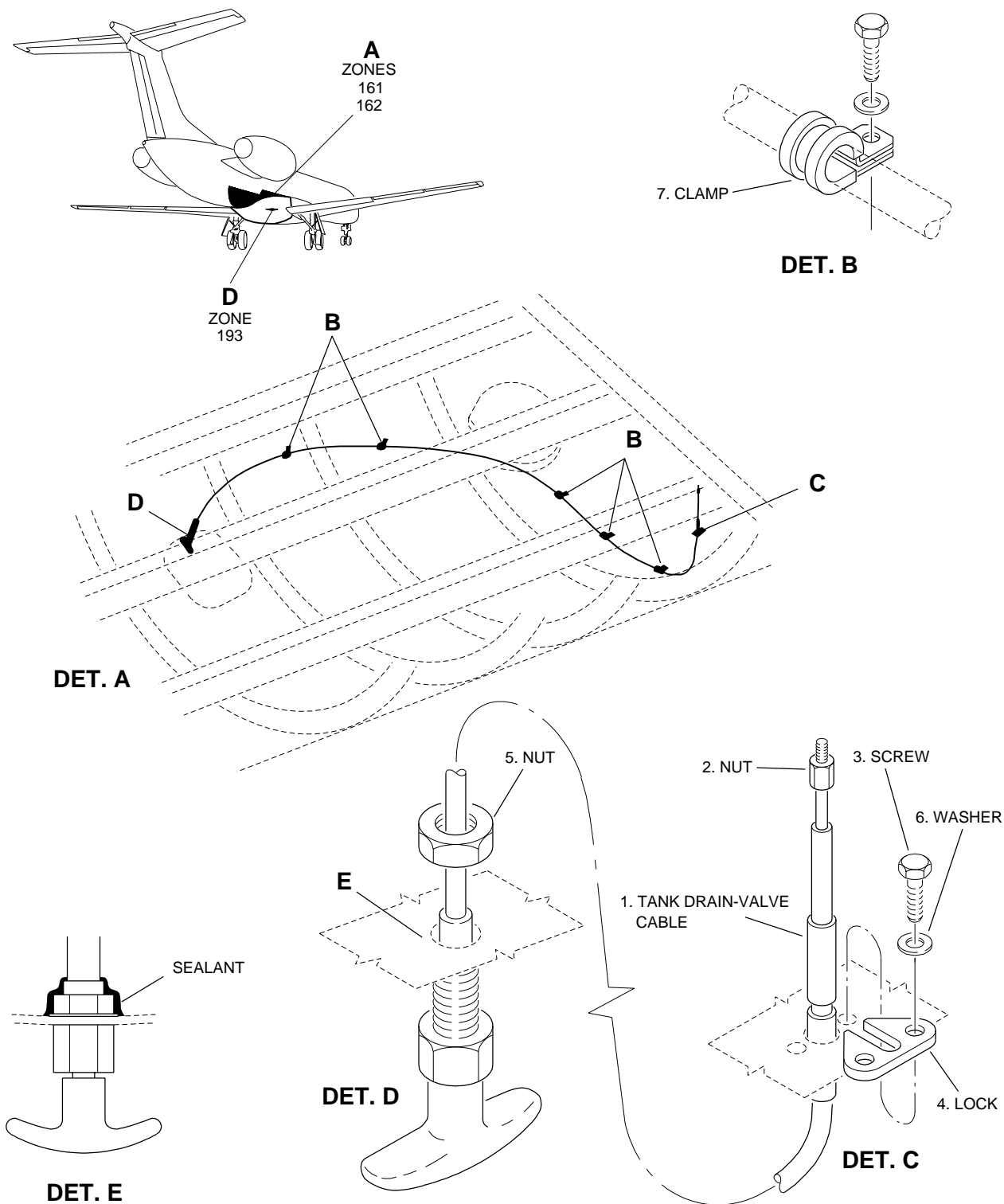
SUBTASK 020-007-A

- (1) Remove the coupling nut (2) to release the tank drain-valve control cable (1).
- (2) Remove the screws (3) and washers (6) from the lock (4) that attaches the upper part of the tank drain-valve control cable (1).
- (3) Get access to the sealant and the nut (5) (that attaches the lower part of the tank drain-valve control cable (1) to the water service panel) and remove them.
- (4) Get access, through the passenger cabin floor and the baggage compartment floor, to the clamps (7) that attach the tank drain-valve control cable (1) to the fuselage and remove them.
- (5) Remove the tank drain-valve control cable (1) together with its conduit.

EFFECTIVITY: ACFT MODEL(S) EMB-145

Tank Drain-Valve Control Cable - Removal/Installation

Figure 401



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TASK 38-10-06-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

3. TANK DRAIN-VALVE CONTROL CABLE - INSTALLATION

A. General

(1) This task gives the procedure to install the tank drain-valve control cable.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM TASK 25-21-01-400-801-A/400	-
AMM TASK 25-21-02-400-801-A/400	FLIGHT ATTENDANT SEAT - INSTALLATION
AMM TASK 25-24-01-400-801-A/400	PASSENGER-CABIN FLOOR LINING - INSTALLATION
AMM TASK 25-40-01-400-801-A/400	-
AMM TASK 25-51-04-400-801-A/400	BAGGAGE-COMPARTMENT FLOOR LINING - INSTALLATION
AMM TASK 28-41-00-200-801-A/600	-
SRM 51-20-01	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193MR	Rear wing-to-fuselage fairing
262	262BF	Passenger cabin floor
271	271AF	Baggage compartment floor
272	272AF	Baggage compartment floor

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-S-8802, TYPE II, CLASS B2	Sealant, PR 1440 B2	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Under the passenger cabin floor
1	Helps with the task	Under the baggage compartment floor

I. Installation (Figure 401)

SUBTASK 420-007-A

- (1) Put the tank drain-valve control cable (1) together with its conduit in the installation position.
- (2) Get access to the related area and install the nut (5) (that attaches the lower part of the tank drain-valve control cable (1) to the water service panel).
- (3) Apply sealant to the nut (5) (SRM 51-20-01).
- (4) Get access to the related area and install the clamps (7) that attach the tank drain-valve control cable to the fuselage.
- (5) Connect the tank drain-valve control cable (1) and tighten the nut (2) correctly.
- (6) Install the screws (3), the washers (6), and the lock (4) that attach the upper part of the tank drain-valve control cable (1).

J. Follow-on

SUBTASK 842-007-A

- (1) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Maintenance Review Board Report (MRB).
- (2) Close water service-panel door 193MR (AMM MPP 06-41-01/100).
- (3) Install the plumbing access panel at the bottom of the wash-basin cabinet (AMM TASK 25-40-01-400-801-A/400).
- (4) Install passenger-cabin floor panel 262BF (AMM MPP 06-41-02/100).
- (5) Install the passenger-cabin floor lining ([AMM TASK 25-24-01-400-801-A/400](#)).
- (6) If applicable, install the optional flight attendant seat ([AMM TASK 25-21-02-400-801-A/400](#)).
- (7) Install the last double seat (AMM TASK 25-21-01-400-801-A/400).
- (8) Install baggage compartment floor panels 271AF and 272AF (AMM MPP 06-41-02/100).
- (9) Install the baggage compartment floor lining ([AMM TASK 25-51-04-400-801-A/400](#)).