



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

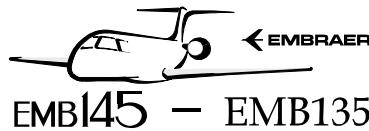
SHUTOFF VALVE - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. The shutoff valves are installed between frames 2 and 3, aft of each NACA air intake.
- 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).

<i>TASK NUMBER</i>	<i>DESCRIPTION</i>	<i>EFFECTIVITY</i>
21-26-01-000-801-A	SHUTOFF VALVE - REMOVAL	ALL
21-26-01-400-801-A	SHUTOFF VALVE - INSTALLATION	ALL



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TASK 21-26-01-000-801-A

EFFECTIVITY: ALL

2. SHUTOFF VALVE - REMOVAL

A. General

- (1) This section gives the procedures to remove the shutoff valve.

B. References

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

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113AZ	Nose-landing-gear compartment
114	114AZ	Nose-landing-gear compartment

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	Electronic compartment

I. Preparation

SUBTASK 841-002-A

WARNING: MAKE SURE THAT THE AIRCRAFT IS IN A SAFE CONDITION BEFORE YOU DO THE MAINTENANCE PROCEDURES. THIS IS TO PREVENT INJURY TO PERSONS AND/OR DAMAGE TO THE EQUIPMENT.

- (1) On the circuit breaker panel, open the applicable circuit breaker and attach a DO-NOT-CLOSE tag to it:
 - EXHAUST 1 (LH shutoff valve).
 - EXHAUST 2 (RH shutoff valve).
- (2) Open the applicable access panel (AMM MPP 06-41-01/100):
 - 113AZ (LH shutoff valve).



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- 114AZ (RH shutoff valve).

J. Removal (ACFT PRE-MOD S.B. 145-21-0036) ([Figure 401](#))

SUBTASK 020-002-A

EFFECTIVITY: ACFT PRE-MOD S.B. 145-21-0036

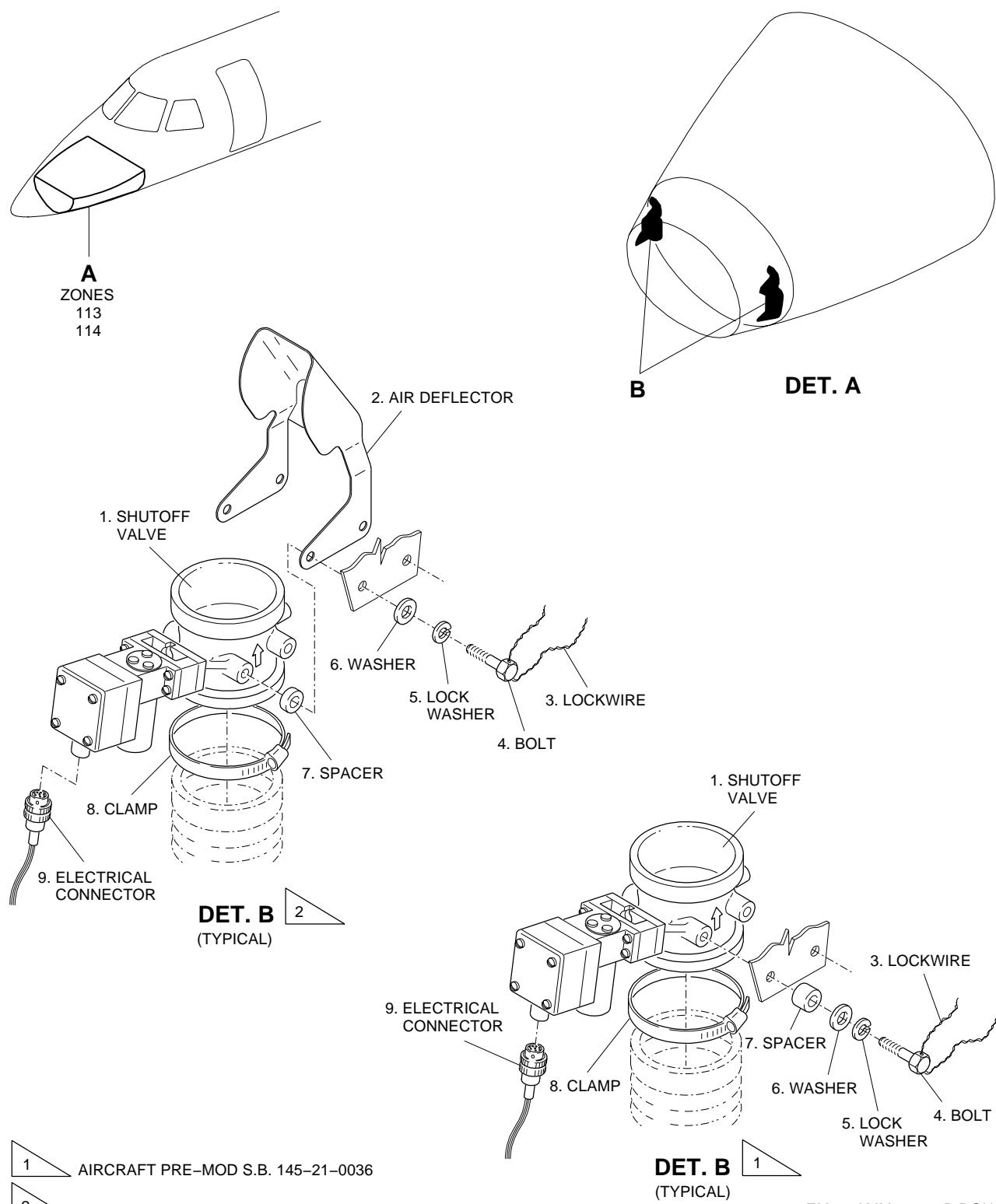
- (1) Disconnect the electrical connector (9) and put a protective cap on it.
- (2) Cut and discard the old lockwires (3).
- (3) Remove the bolts (4), lock washers (5), washers (6), and spacers (7).
- (4) Remove the clamp (8).
- (5) Remove the shutoff valve (1).

K. Removal (ACFT POST-MOD S.B. 145-21-0036) ([Figure 401](#))

SUBTASK 020-003-A

EFFECTIVITY: ACFT POST-MOD S.B. 145-21-0036

- (1) Disconnect the electrical connector (9) and put a protective cap on it.
- (2) Cut and discard the old lockwires (3).
- (3) Remove the bolts (4), lock washers (5), and washers (6).
- (4) Remove the air deflector (2) and the spacers (7).
- (5) Remove the clamp (8).
- (6) Remove the shutoff valve (1).

EFFECTIVITY: ALL
Shutoff Valve - Removal/Installation
Figure 401


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TASK 21-26-01-400-801-A

EFFECTIVITY: ALL

3. SHUTOFF VALVE - INSTALLATION

A. General

- (1) This section gives the procedures to install the shutoff valve.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 21-26-00-700-801-A/500	ELECTRONIC COMPARTMENT VENTILATION SYSTEM - OPERATIONAL CHECK
AMM TASK 21-26-01-000-801-A/400	SHUTOFF VALVE - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113AZ	Nose-landing-gear compartment
114	114AZ	Nose-landing-gear compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C20	Safety wire	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Electronic compartment

I. Preparation

SUBTASK 842-002-A

- (1) Make sure that the aircraft is in the same configuration as it was at the end of the removal task ([AMM TASK 21-26-01-000-801-A/400](#)).
- (2) On the circuit breaker panel, make sure that the applicable circuit breaker(s) is (are) open and with the DO-NOT-CLOSE tag attached to it (them):

- EXHAUST 1 (LH shutoff valve).
- EXHAUST 2 (RH shutoff valve).

J. Installation (ACFT PRE-MOD S.B. 145-21-0036) (Figure 401)

SUBTASK 420-002-A

EFFECTIVITY: ACFT PRE-MOD S.B. 145-21-0036

- (1) Put the shutoff valve (1) in position.
- (2) Install the clamp (8).
- (3) Install the spacers (7), washers (6), lock washers (5), and bolts (4).
- (4) Safety the bolts (4) with the new lockwires (3).
- (5) Remove the protective cap from the electrical connector (9) and connect it.

K. Installation (ACFT POST-MOD S.B. 145-21-0036) (Figure 401)

SUBTASK 420-003-A

EFFECTIVITY: ACFT POST-MOD S.B. 145-21-0036

- (1) Put the shutoff valve (1) in position.
- (2) Install the clamp (8).
- (3) Put the spacers (7) and air deflector (2) in position and install the washers (6), lock washers (5), and bolts (4).
- (4) Safety the bolts (4) with new lockwires (3).
- (5) Remove the protective cap from the electrical connector (9) and connect it.

L. Follow-on

SUBTASK 842-002-B

- (1) Do the operational check ([AMM TASK 21-26-00-700-801-A/500](#)).
- (2) Install the applicable access panel(s) (AMM MPP 06-41-01/100):
 - 113AZ (LH shutoff valve).
 - 114AZ (RH shutoff valve).
- (3) On the circuit breaker panel, close the applicable circuit breaker(s) and remove the DO-NOT-CLOSE tag from it (them):
 - EXHAUST 1 (LH shutoff valve).
 - EXHAUST 2 (RH shutoff valve).

CAUTION: EXAMINE THE WORK AREA TO MAKE SURE THAT YOU REMOVED ALL TOOLS AND EQUIPMENT AFTER YOU COMPLETED THE WORK. IF YOU DO NOT OBEY THIS PROCEDURE, DAMAGE TO THE AIRCRAFT CAN OCCUR.

- (4) Remove all tools, equipment, and unwanted materials from the work area.