



AIRCRAFT MAINTENANCE MANUAL

CHECK VALVE - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. There is one check valve installed on each side of the vacuum pump feeding line, between the pressure regulator valve and the vacuum pump.
- 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
21-31-11-000-801-A	CHECK VALVE - REMOVAL	ALL
21-31-11-400-801-A	CHECK VALVE - INSTALLATION	ALL



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TASK 21-31-11-000-801-A

EFFECTIVITY: ALL

2. CHECK VALVE - REMOVAL

A. General

- (1) This task gives the procedures to remove the check valves from the vacuum pump feeding line.

B. References

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

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191	Wing-to-fuselage fairing

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
01	Does the task	External bottom surface of center fuselage III, inside the wing-to-fuselage fairing

I. Preparation

SUBTASK 841-002-A

- (1) Remove the forward lower fairing (access panel 191) (AMM MPP 06-41-01/100).

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

SUBTASK 020-002-A

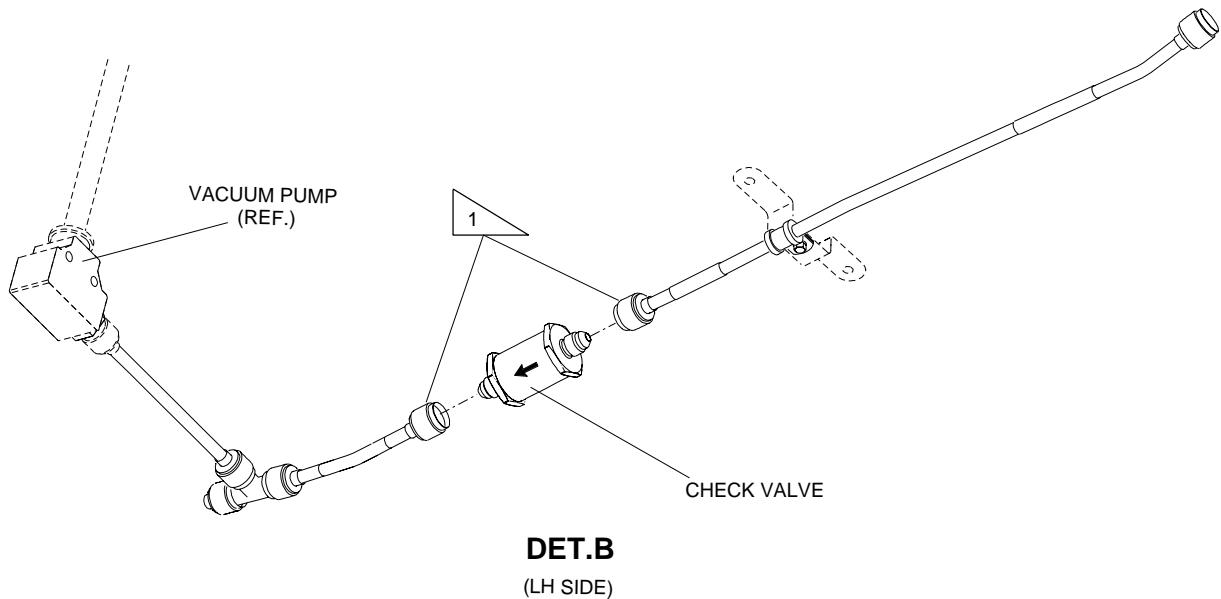
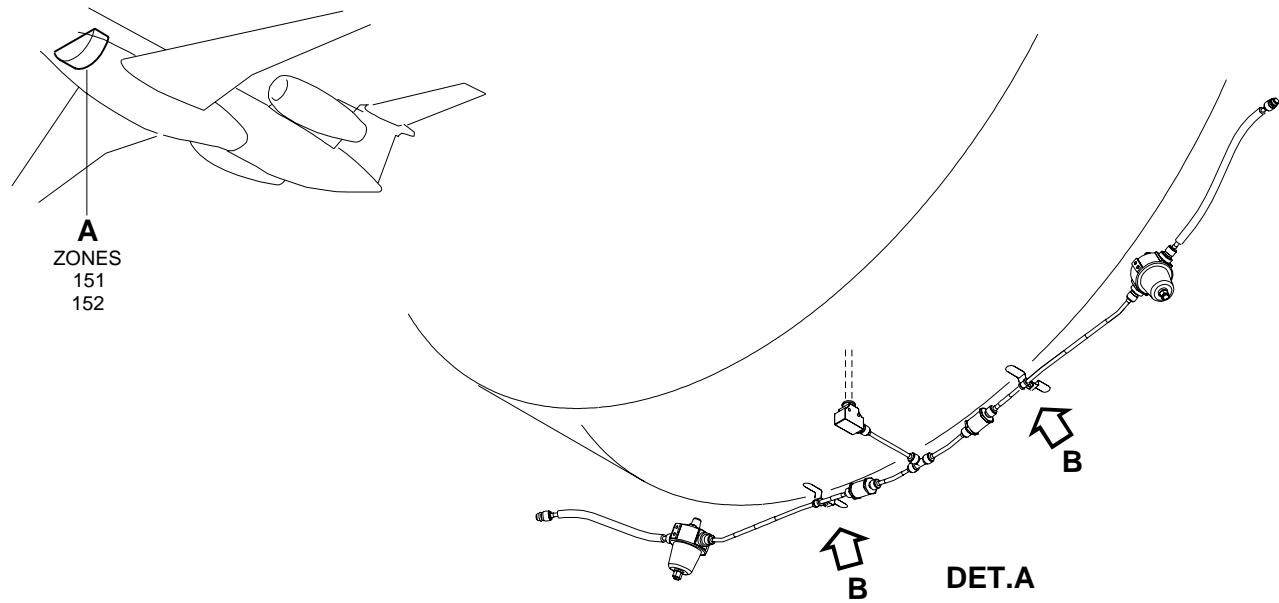
- (1) Loosen the check valve.

- (2) Remove the check valve.

EFFECTIVITY: ALL

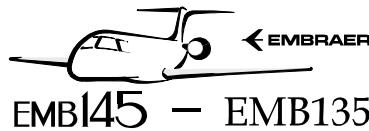
Check Valve - Removal/Installation

Figure 401



TORQUE: 5.7 - 7.3 N.m (50 -65 Lb.in)

145AMM210185.MCE C



EMB145 – EMB135

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TASK 21-31-11-400-801-A

EFFECTIVITY: ALL

3. CHECK VALVE - INSTALLATION

A. General

- (1) This task gives the procedures to install the check valves.

B. References

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

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191	Wing-to-fuselage fairing

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
01	Does the task	External bottom surface of center fuselage III, inside the wing-to-fuselage fairing

I. Installation (Figure 401)

SUBTASK 420-002-A

CAUTION: MAKE SURE THAT THE CHECK VALVE IS IN THE CORRECT POSITION.
THE ARROW ON THE VALVE BODY MUST POINT TO THE VACUUM PUMP.

- (1) Put the check valve in position.
- (2) Install the check valve. Tighten the tubes to the torques shown in (Figure 401).

J. Follow-on

SUBTASK 842-002-A

- (1) Install the forward lower fairing (access panel 191) (AMM MPP 06-41-01/100).