

RAM AIR CHECK VALVE - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to remove, install, deactivate, and reactivate the Ram-Air Check Valves.
- B. The ram air check valves are installed in the ram air ducts which send the ram air flow to the pack.
- 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
21-25-02-000-801-A	RAM-AIR CHECK VALVE - REMOVAL	ALL
21-25-02-400-801-A	RAM-AIR CHECK VALVE - INSTALLATION	ALL
21-25-02-040-801-A	RAM-AIR CHECK VALVE - DEACTIVA- TION PROCEDURES	ALL
21-25-02-440-801-A	RAM-AIR CHECK VALVE - REACTIVA- TION PROCEDURES	ALL

TASK 21-25-02-000-801-A

EFFECTIVITY: ALL

2. RAM-AIR CHECK VALVE - REMOVAL

A. General

(1) This task gives the procedures to remove the ram-air check valve.

B. References

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

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191EL	Wing-to-fuselage fairing
191	191FR	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
1	Does the task	Inside the wing-to-fuselage fairing

I. Preparation

SUBTASK 841-002-A

(1) Remove the access panel (AMM MPP 06-41-01/100), as applicable:

- 191EL (LH ram-air check valve).
- 191FR (RH ram-air check valve).

J. Removal (Figure 401)

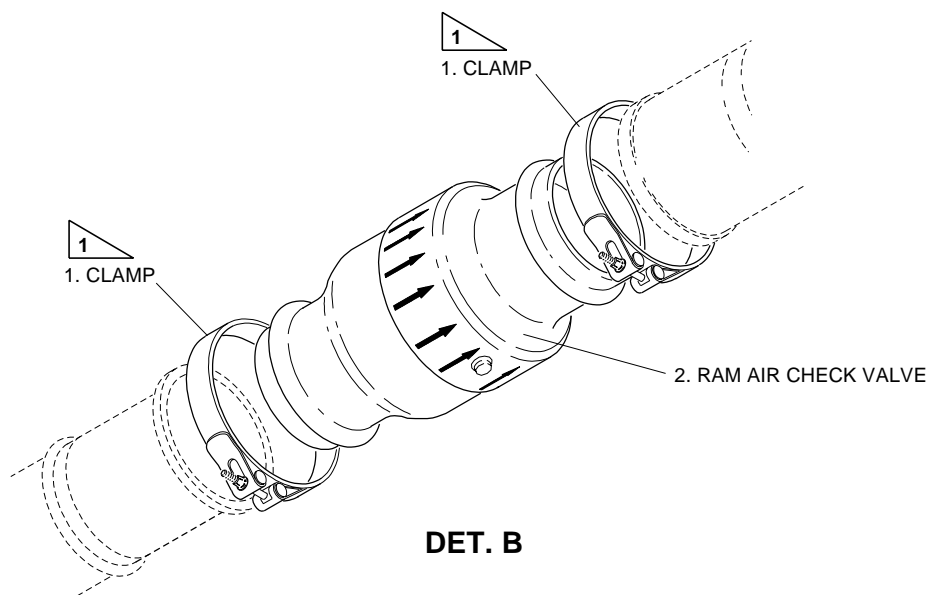
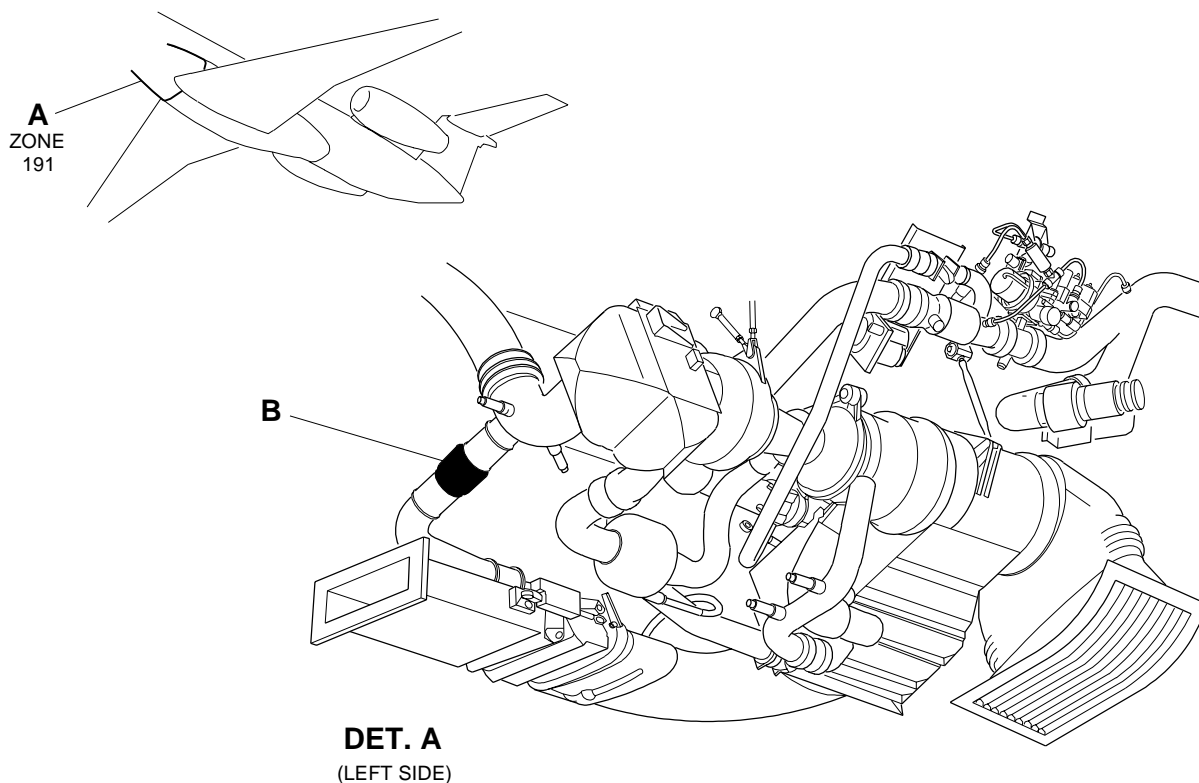
SUBTASK 020-002-A

- (1) Remove the clamps (1).
- (2) Remove the ram-air check valve (2).

EFFECTIVITY: ALL

Ram-Air Check Valve - Removal/Installation

Figure 401



1 TORQUE: 2.9 Nm (25 lb.in)

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TASK 21-25-02-400-801-A

EFFECTIVITY: ALL

3. RAM-AIR CHECK VALVE - INSTALLATION

A. General

(1) This task gives the procedures to install the ram-air check valve.

B. References

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

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191EL	Wing-to-fuselage fairing
191	191FR	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
1	Does the task	Inside the wing-to-fuselage fairing

I. Installation (Figure 401)

SUBTASK 420-002-A

(1) Put the ram-air check valve (2) in the installation position.

NOTE: Make sure of the correct position of the flow indication arrow.

(2) Install the clamps (1).

J. Follow-on

SUBTASK 842-002-A

(1) Install the access panel (AMM MPP 06-41-01/100), as applicable:

– 191EL (LH ram-air check valve).

- 191FR (RH ram-air check valve).

TASK 21-25-02-040-801-A

EFFECTIVITY: ALL

4. RAM-AIR CHECK VALVE - DEACTIVATION PROCEDURES

A. General

- (1) It is permitted to dispatch the airplane with one or both ram air check valves inoperative open provided flight is conducted in an unpressurized configuration.

B. References

REFERENCE	DESIGNATION
AMM TASK 21-31-03-040-801-A/400	ELECTROPNEUMATIC OUTFLOW VALVE - DEACTIVATION PROCEDURE
AMM TASK 21-31-04-040-801-A/400	PNEUMATIC OUTFLOW VALVE - DEACTIVATION PROCEDURE

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

Not Applicable

I. Deactivation Procedures

SUBTASK 040-002-A

- (1) Refer to Electropneumatic and Pneumatic Outflow Valves Deactivation Procedures ([AMM TASK 21-31-03-040-801-A/400](#) and [AMM TASK 21-31-04-040-801-A/400](#)) for outflow valves secured open.
- (2) Write in the aircraft technical logbook that you did the deactivation procedure for the Ram-Air Check Valve.

TASK 21-25-02-440-801-A
EFFECTIVITY: ALL

5. RAM-AIR CHECK VALVE - REACTIVATION PROCEDURES

A. General

- (1) This task gives the procedures to reactivate the Ram-Air Check Valve.
- (2) This task refers to item 21-25-02 - Ram-Air Check Valves - of DDPM.

B. References

REFERENCE	DESIGNATION
AMM TASK 21-31-03-440-801-A/400	ELECTROPNEUMATIC OUTFLOW VALVE - REACTIVATION PROCEDURE
AMM TASK 21-31-04-440-801-A/400	PNEUMATIC OUTFLOW VALVE - REACTIVATION PROCEDURE

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

Not Applicable

I. Reactivation Procedures

SUBTASK 440-002-A

- (1) Do the troubleshooting and the applicable corrective maintenance procedure for the Ram-Air Check Valve.
- (2) Refer to Electropneumatic and Pneumatic Outflow Valves Reactivation Procedures ([AMM TASK 21-31-03-440-801-A/400](#) and [AMM TASK 21-31-04-440-801-A/400](#)), if required.

