



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

PACK VALVE - CLEANING/PAINTING

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to clean pack valve.
- 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
21-51-01-100-801-A ♦	PACK-VALVE AIR FILTER - CLEANING BY ALL ULTRASONIC METHOD	
21-51-01-100-802-A	PACK-VALVE AIR FILTER - CLEANING BY ALL AIR BLAST METHOD	



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TASK 21-51-01-100-801-A

EFFECTIVITY: ALL

2. PACK-VALVE AIR FILTER - CLEANING BY ULTRASONIC METHOD

A. General

- (1) The procedure to clean the pack-valve air filter is in CMM 21-32-21 of Hamilton Standard.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 20-40-02-910-801-A/200</a>	STATIC GROUNDING - STANDARD PRACTICES
<a href="#">AMM TASK 21-51-01-000-802-A/400</a>	FILTER - REMOVAL
<a href="#">AMM TASK 21-51-01-400-802-A/400</a>	FILTER - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191KL	Left side of the wing-to-fuselage fairing
191	191LR	Right side of the 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	In the wing-to-fuselage fairing

I. Preparation

**SUBTASK 841-002-A**

- (1) Keep the aircraft grounded ( [AMM TASK 20-40-02-910-801-A/200](#)).
- (2) Open the access door (AMM MPP 06-41-01/100), as applicable:
  - 191KL (LH pack valve).
  - 191LR (RH pack valve).



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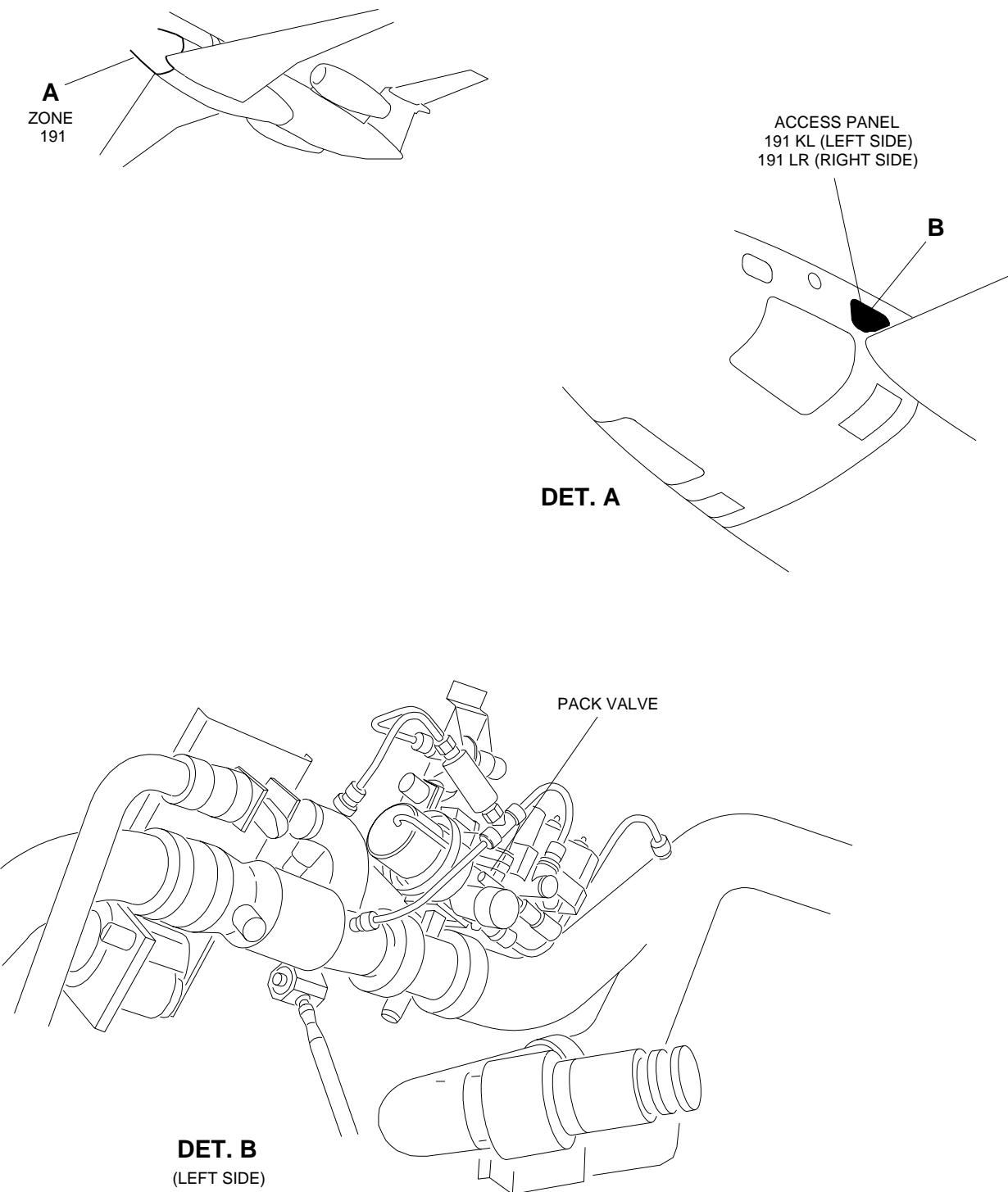
**WARNING: DO NOT TOUCH THE BLEED-AIR SYSTEM DUCTS OR COMPONENTS IMMEDIATELY AFTER THE ENGINE OR APU STOPS, BECAUSE OF THE HIGH BLEED-AIR TEMPERATURE.**

- (3) Remove the pack valve filter ([AMM TASK 21-51-01-000-802-A/400](#)).
- J. Clean Pack Valve Filter Using Ultrasonic Method ([Figure 701](#))  
**SUBTASK 130-002-A**
  - (1) To do the procedure, refer to CMM 21-32-21 by Hamilton Standard in the latest revision.
- K. Follow-on  
**SUBTASK 842-002-A**
  - (1) Install the pack valve filter ([AMM TASK 21-51-01-400-802-A/400](#)).
  - (2) Close the access door (AMM MPP 06-41-01/100), as applicable:
    - 191KL (LH pack valve).
    - 191LR (RH pack valve).

**EFFECTIVITY: ALL**

Pack Valve Location

Figure 701



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TASK 21-51-01-100-802-A

EFFECTIVITY: ALL

3. PACK-VALVE AIR FILTER - CLEANING BY AIR BLAST METHOD

## A. General

(1) The pack valves are installed in the LH/RH side of the wing-to-fuselage fairing.

## B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 20-40-02-910-801-A/200</a>	STATIC GROUNDING - STANDARD PRACTICES
<a href="#">AMM TASK 21-51-01-000-801-A/400</a>	PACK VALVE - REMOVAL
<a href="#">AMM TASK 21-51-01-400-801-A/400</a>	PACK VALVE - INSTALLATION

## C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191KL	Left side of the wing-to-fuselage fairing
191	191LR	Right side of the wing-to-fuselage fairing

## D. Tools and Equipment

Not Applicable

## E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Goggles	For protection of your eyes	1
Commercially available	Gloves	For protection of your hands	1
Locally available	Source of dry and filtered compressed air	To blow and dry	1

## F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Electro 140	Contact Cleaner, LPS	AR

## G. Expandable Parts

Not Applicable

## H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	At the wing-to-fuselage fairing



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I. Preparation

SUBTASK 841-003-A

- (1) Keep the aircraft grounded ( [AMM TASK 20-40-02-910-801-A/200](#)).
- (2) Open the access door (AMM MPP 06-41-01/100), as applicable:
  - 191KL (LH pack valve).
  - 191LR (RH pack valve).

**WARNING: DO NOT TOUCH THE BLEED-AIR SYSTEM DUCTS OR COMPONENTS IMMEDIATELY AFTER THE ENGINE OR APU STOPS, BECAUSE OF THE HIGH BLEED-AIR TEMPERATURE.**

- (3) Remove the pack valve filter ( [AMM TASK 21-51-01-000-801-A/400](#)).

J. Clean Pack-Valve Air Filter by Air Blast Method ([Figure 702](#))

SUBTASK 170-002-A

**WARNING: USE EYE AND HAND PROTECTION WHEN YOU USE AN AIR SOURCE TO CLEAN. CONTAMINANTS CAN BECOME AIRBORNE AND CAUSE INJURY TO YOUR EYES AND HANDS.**

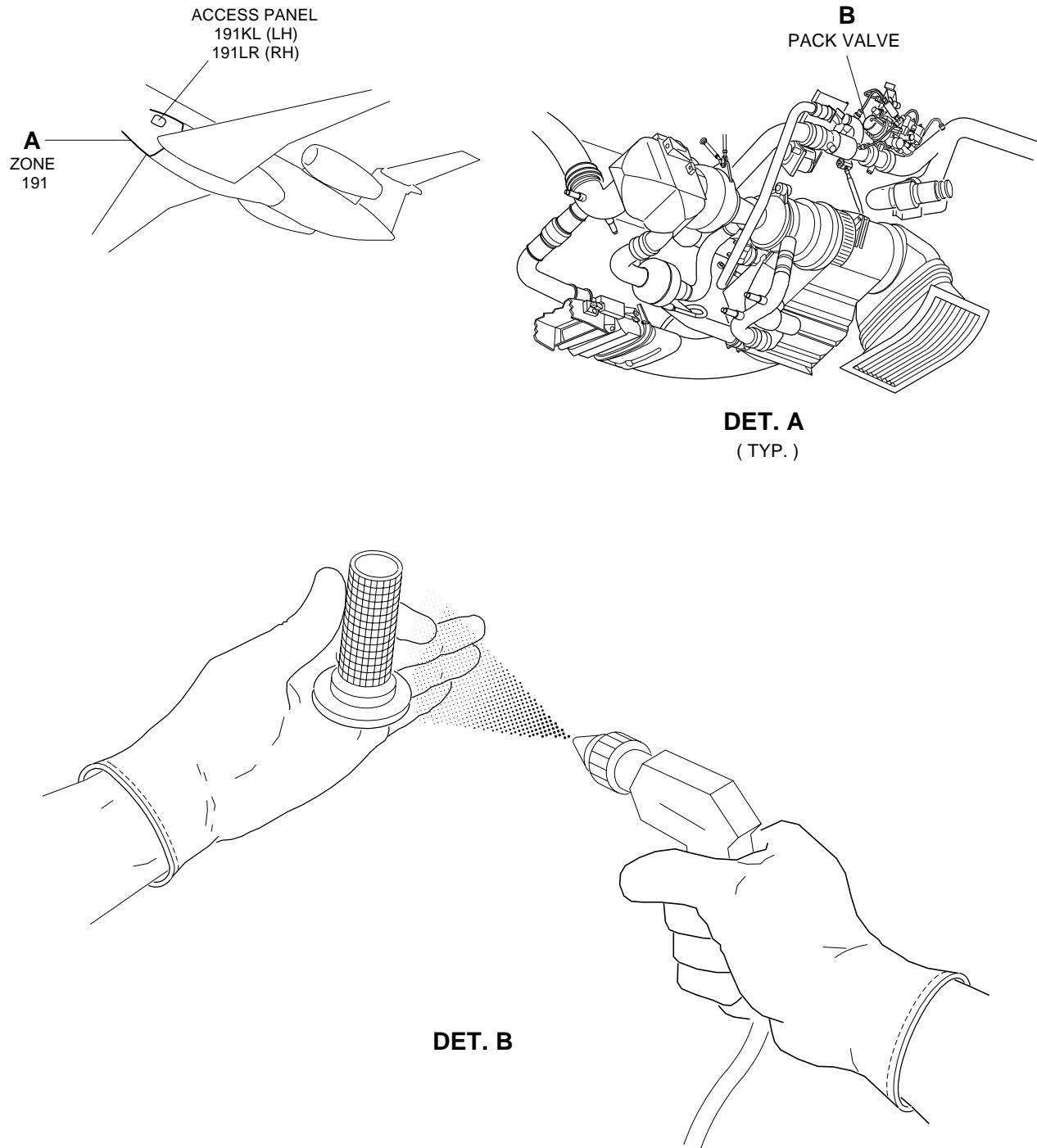
- (1) Blow air at 25 psi maximum pressure from a regulated source of air to remove heavy contaminants.
- (2) Spray the pack valve filter with an electro-contact cleaning solution.
- (3) To remove the residual cleaning solution, let the filter air-dry or blow on it with a 25 psi maximum pressure from the air source.

K. Follow-on

SUBTASK 842-003-A

- (1) Install the pack valve air filter ( [AMM TASK 21-51-01-400-801-A/400](#)).
- (2) Close the access door (AMM MPP 06-41-01/100), as applicable:
  - 191KL (LH pack valve).
  - 191LR (RH pack valve).

**EFFECTIVITY: ALL**  
 Pack Valve Filter - Cleaning  
 Figure 702



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