



# AIRCRAFT MAINTENANCE MANUAL

## FAN AIR VALVE - CLEANING/PAINTING

EFFECTIVITY: ALL

### 1. General

- A. This section gives the procedures to clean the fan-air valves and fan-air valves filter.
- 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
36-11-03-100-801-A ♦	FAN-AIR VALVE FILTER - CLEANING BY ULTRASONIC METHOD	ALL
36-11-03-100-802-A	FAN-AIR VALVE FILTER - CLEANING BY AIR BLAST METHOD	ALL



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TASK 36-11-03-100-801-A

EFFECTIVITY: ALL

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

A. General

- (1) The fan air valves are installed in the LH/RH pylons.
- (2) This task gives the procedure to clean the fan-air valve filter.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-43-00/100	- COMPONENT LOCATION
AMM TASK 36-11-03-000-802-A/400	FAN-AIR VALVE FILTER - REMOVAL
AMM TASK 36-11-03-100-801-A/700	FAN-AIR VALVE FILTER - CLEANING BY ULTRASONIC METHOD
AMM TASK 36-11-03-100-802-A/700	FAN-AIR VALVE FILTER - CLEANING BY AIR BLAST METHOD
AMM TASK 36-11-03-400-802-A/400	FAN-AIR VALVE FILTER - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
414	414CB	LH Pylon
424	424CB	RH Pylon

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ultrasonic Bath	To clean parts	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Goggles	For eye protection	1
Commercially available	Gloves	For hand protection	1
Locally available	Source of dry and filtered compressed air or nitrogen	To blow dry air into the component	1
Commercially available	Ladder	To get access to the work area	1



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### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
AMS3160	Petroleum solvent	AR

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	In the LH/RH pylons

### I. Preparation

#### SUBTASK 841-002-A

- (1) Put the ladder in the work area.
- (2) Remove access panels 414CB and 424CB ([AMM MPP 06-43-00/100](#)).

**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.

- (3) Remove the fan-air valve filter ([AMM TASK 36-11-03-000-802-A/400](#)).

### J. Clean Fan-Air Valve Filter by Ultrasonic Method ([Figure 701](#))

#### SUBTASK 130-002-A

- (1) Clean the fan-air valve filter as follows:

**NOTE:** After you remove the valve filter, examine the filter housing for dirt and contaminants. If dirt or contaminants are found, clean the filter housing with a pneumatic vacuum device ([AMM TASK 36-11-03-100-801-A/700](#)), or other method that makes sure that no residues are left in the housing ([AMM TASK 36-11-03-100-802-A/700](#)). Use visual inspection aids as necessary to make sure that dirt and contamination are correctly removed.

**NOTE:** Refer to last revision of CMM 21-51-71 of Hamilton Standard, as necessary.

**WARNING:** THE USE OF COMPRESSED AIR CAN CREATE AN ENVIRONMENT OF PROPELLED FOREIGN OBJECTS THAT CAN ENTER THE EYES AND CAUSE INJURY. PUT ON EYE PROTECTION AND DO NOT USE MORE THAN 207 KPa (30 psi). IF YOU DO NOT OBEY THIS PRECAUTION, INJURY TO THE EYES CAN OCCUR.

- (a) Blow 25 psig maximum compressed air through the fan-air valve filter to remove contamination.

**WARNING:** DO NOT GET THE CLEANING MATERIAL ON YOUR SKIN OR IN YOUR EYES OR MOUTH. PUT ON APPROVED PROTECTIVE CLOTHING, GOGGLES AND GLOVES. ALWAYS OBEY THE MANUFACTURER'S HEALTH AND SAFETY PRECAUTIONS WHEN YOU USE THE CLEANING MATERIAL. THE CLEANING MATERIAL IS DANGEROUS AND CAN CAUSE AN INJURY.

**WARNING:** CLEANING PRODUCTS ARE TOXIC AND FLAMMABLE. A GOOD AIRFLOW MUST BE AVAILABLE WHEN YOU DO THE WORK IN CLOSED AREAS.

**WARNING:** SOLVENTS ARE HAZARDOUS MATERIALS. REFER TO PRODUCT/MATERIAL SAFETY DATA SHEETS AND LOCAL REQUIREMENTS FOR CORRECT HANDLING PROCEDURES.

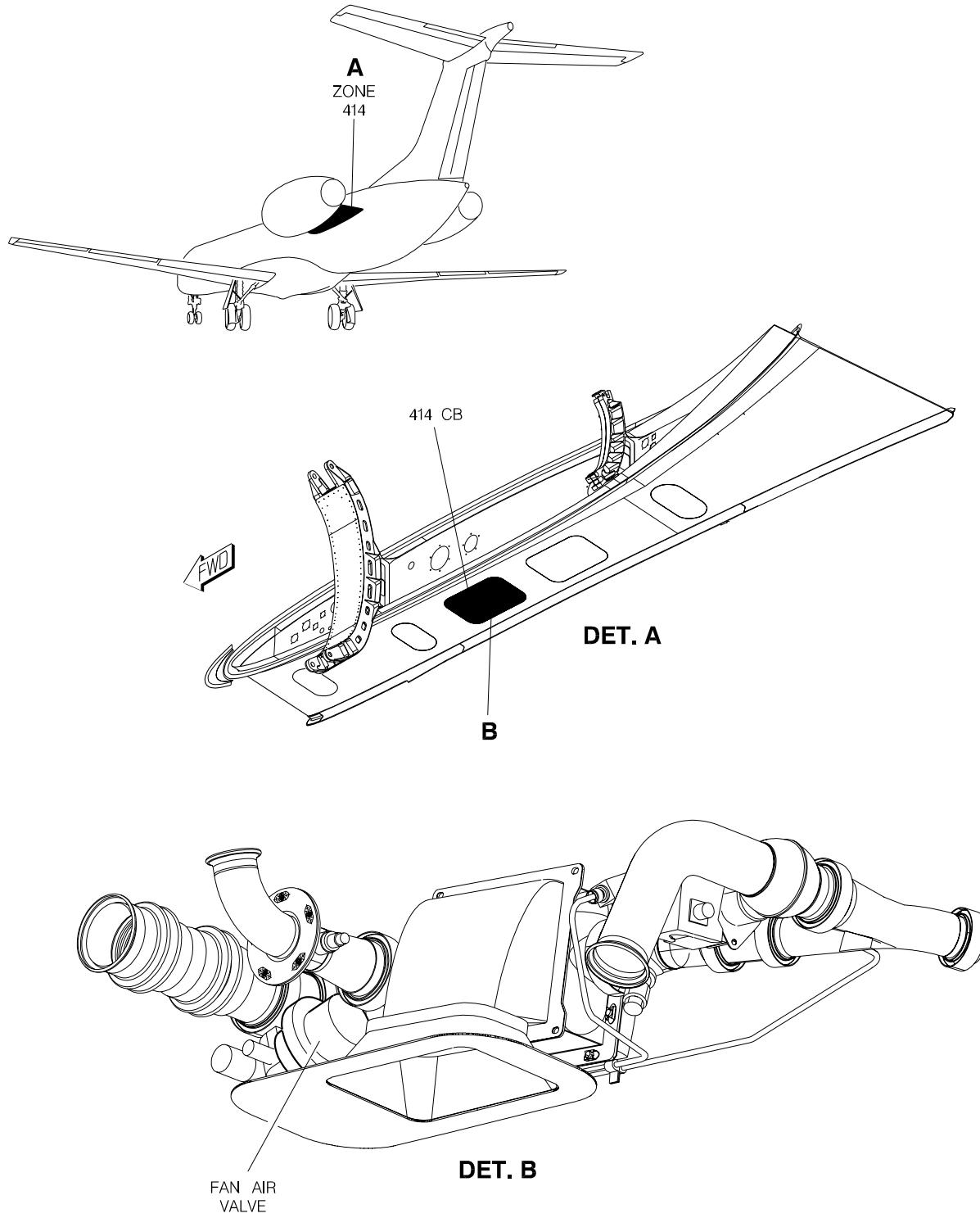
- (b) Clean the fan-air valve filter in an ultrasonic cleaner tank or equivalent with petroleum solvent (AMS3160), at ambient temperature for approximately 10 minutes.
- (c) Blow 25 psig maximum compressed air through the fan-air valve filter to remove any remaining contamination.

K. Follow-on

SUBTASK 842-002-A

- (1) Install the fan-air valve air filter ([AMM TASK 36-11-03-400-802-A/400](#)).
- (2) Install access panels 414CB and 424CB ([AMM MPP 06-43-00/100](#)).
- (3) Remove the ladder from the work area.

**EFFECTIVITY:: ALL**  
 Fan-Air Valve Filter - Location  
 Figure 701



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**TASK 36-11-03-100-802-A**
**EFFECTIVITY: ALL**
**3. FAN-AIR VALVE FILTER - CLEANING BY AIR BLAST METHOD**
**A. General**

- (1) The fan air valves are installed in the LH/RH pylons.

**B. References**

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 06-43-00/100	- COMPONENT LOCATION
AMM TASK 20-40-02-910-801-A/200	STATIC GROUNDING - STANDARD PRACTICES
AMM TASK 36-11-03-000-802-A/400	FAN-AIR VALVE FILTER - REMOVAL
AMM TASK 36-11-03-100-801-A/700	FAN-AIR VALVE FILTER - CLEANING BY ULTRASONIC METHOD
AMM TASK 36-11-03-100-802-A/700	FAN-AIR VALVE FILTER - CLEANING BY AIR BLAST METHOD
AMM TASK 36-11-03-400-802-A/400	FAN-AIR VALVE FILTER - INSTALLATION

**C. Zones and Accesses**

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
414	414CB	LH Pylon
424	424CB	RH Pylon

**D. Tools and Equipment**

Not Applicable

**E. Auxiliary Items**

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Commercially available	Ladder	To get access to the pylon	1
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**

<i>SPECIFICATION (BRAND)</i>	<i>DESCRIPTION</i>	<i>QTY</i>
Electro 140	Contact Cleaner, LPS	AR

**G. Expandable Parts**

Not Applicable



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## H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	At the LH/RH pylons

## I. Preparation

## SUBTASK 841-003-A

- (1) Keep the aircraft grounded ([AMM TASK 20-40-02-910-801-A/200](#)).
- (2) Put the ladder in the work area.
- (3) Remove access panels 414CB and 424CB ([AMM MPP 06-43-00/100](#)).

**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.**

- (4) Remove the fan-air valve filter ([AMM TASK 36-11-03-000-802-A/400](#)).

**NOTE:** After you remove the valve filter, examine the filter housing for dirt and contaminants. If dirt or contaminants are found, clean the filter housing with a pneumatic vacuum device ([AMM TASK 36-11-03-100-801-A/700](#)), or other method that makes sure that no residues are left in the housing ([AMM TASK 36-11-03-100-802-A/700](#)). Use visual inspection aids as necessary to make sure that dirt and contamination are correctly removed.

J. Cleaning of Fan-Air Valve 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.**

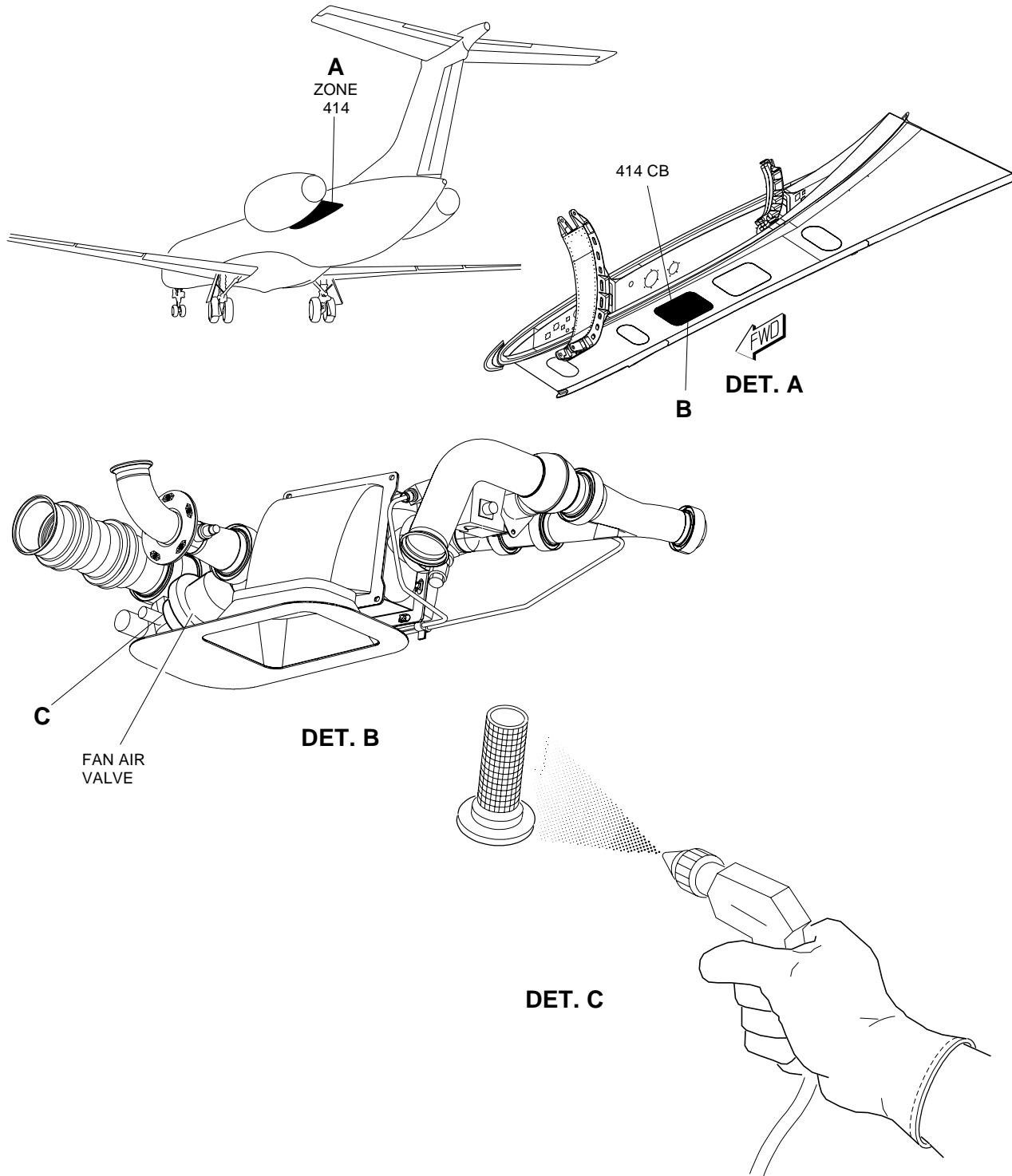
- (1) Blow air at 25 psi maximum pressure from a regulated source of air to remove heavy contaminants.
- (2) Spray the fan-air valve filter with an electro-contact cleaning solution.
- (3) To remove the residual cleaning solution, let the filter air-dry or blow on it with a 25 psi maximum pressure from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

## K. Follow-on

## SUBTASK 842-003-A

- (1) Install the fan-air valve air filter ([AMM TASK 36-11-03-400-802-A/400](#)).
- (2) Install access panels 414CB and 424CB ([AMM MPP 06-43-00/100](#)).
- (3) Remove the ladder from the work area.

**EFFECTIVITY:: ALL**  
**Fan-Air Valve Filter - Cleaning**  
**Figure 702**



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