WING ANTI-ICING PRESSURE DAMPER - CLEANING/PAINTING

EFFECTIVITY: AIRCRAFT WITH PRESSURE DAMPER

1. General

A. This section gives the procedures to clean the pressure damper of the Wing Thermal Anti-Icing System.

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*
30-11-14-110-801-A	PRESSURE DAMPER - CLEANING	AIRCRAFT WITH PRESSURE DAMPER

TASK 30-11-14-110-801-A
EFFECTIVITY: AIRCRAFT WITH PRESSURE DAMPER

2. PRESSURE DAMPER - CLEANING

A. General

(1) This task gives the procedure to clean the pressure damper, by air blast method.

(2) The procedure is applicable to the LH and RH pressure dampers.

(3) The LH pressure damper is installed on the LH side of the forward lower fairing.

(4) The RH pressure damper is installed on the RH side of the forward lower fairing

B. References

REFERENCE	*DESIGNATION*
AMM MPP 06-41-01/100	-
AMM MPP 30-11-14/400	- REMOVAL/INSTALLATION
AMM TASK 20-40-02-910-801-A/200	STATIC GROUNDING - STANDARD PRACTICES
AMM TASK 30-10-00-700-801-A/500	AIRFOIL ANTI-ICING SYSTEM - OPERATIONAL TEST
AMM TASK 30-11-14-000-801-A/400	PRESSURE DAMPER - REMOVAL
AMM TASK 30-11-14-400-801-A/400	PRESSURE DAMPER - INSTALLATION

C. Zones and Accesses

ZONE	*PANEL/DOOR*	*LOCATION*
191	191EL	LH side of the forward lower fairing
191	191FR	RH side of the forward lower fairing

D. Tools and Equipment

Not Applicable

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

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	*FUNCTION*	*PLACE*
1	Does the task	LH or RH side of the forward lower fairing

I. Preparation (Figure 701)

SUBTASK 841-002-A

(1) Keep the aircraft grounded (AMM TASK 20-40-02-910-801-A/200).

(2) Remove access panel 191EL or 191FR (AMM MPP 06-41-01/100).

WARNING: DO NOT TOUCH THE WING ANTI-ICE SYSTEM DUCTS OR COMPONENTS IMMEDIATELY AFTER THE ENGINE OR APU STOPS, BECAUSE OF THE HIGH BLEED-AIR TEMPERATURE. THIS WILL HELP TO PREVENT INJURIES TO PERSON AND/OR DAMAGE TO THE EQUIPMENT.

(3) Remove the damper (1). Refer to the AMM TASK 30-11-14-000-801-A/400

J. Cleaning of the Damper by Air Blast Method

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. THIS WILL HELP TO PREVENT INJURIES TO PERSON AND/OR DAMAGE TO THE EQUIPMENT.

NOTE: THE COMPRESSED AIR MUST BE DRY AND CLEAN AS FOLLOWS:

- THE COMPRESSED AIR MUST NOT CONTAIN WATER, OIL, OR RESIDUES OF OIL COMBUSTION.
- AS AN ALTERNATIVE, CLEANING MATERIAL, USE ONLY A MATERIAL THAT IS APPROVED BY EMBRAER MATERIALS ENGINEERING AND APPLICABLE TO THE MATERIAL TO BE CLEANED.
- TO REMOVE HEAVY CONTAMINANTS, BLOW AIR AT 25-PSI MAXIMUM PRESSURE FROM A REGULATED AIR SOURCE.

(1) Apply pressurized dry air or nitrogen, in the two directions, into the interior of the damper.

(2) Use a backlight to do a check for obstruction inside the damper. If necessary, replace it AMM MPP 30-11-14/400.

K. Follow-on

SUBTASK 842-002-A

(1) Install the damper (1). Refer to the AMM TASK 30-11-14-400-801-A/400

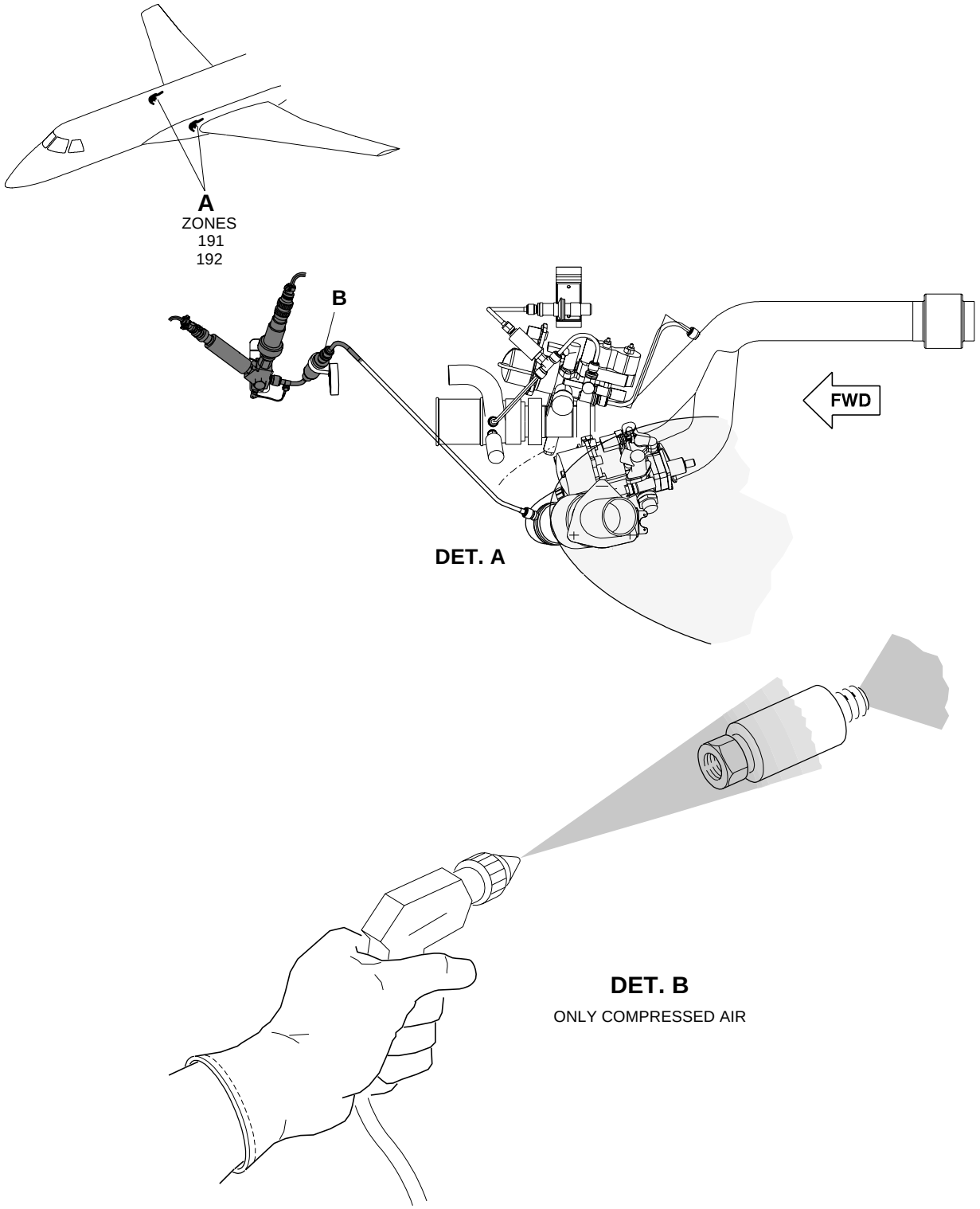
(2) Install the access panel 191EL or 191FR (AMM MPP 06-41-01/100).

(3) Do the Operational Test of the Air Bleed System (AMM TASK 30-10-00-700-801-A/500).

EFFECTIVITY: AIRCRAFT WITH PRESSURE DAMPER

Wing Anti-Ice Damper - Cleaning

Figure 701



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