PRE-COOLER - MAINTENANCE PRACTICES

EFFECTIVITY: ALL

1. General

   A. This section gives the instructions to repair the thermal insulation of the pre-cooler of the engine air bleed system.

   B. These procedures are applicable to the LH/RH engine air bleed systems.

   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*
36-11-04-300-801-A	THERMAL INSULATION OF THE PRE-COOLER OF AIR BLEED SYSTEM -REPAIR	ALL

TASK 36-11-04-300-801-A
EFFECTIVITY: ALL

2. THERMAL INSULATION OF THE PRE-COOLER OF AIR BLEED SYSTEM -REPAIR

A. General

(1) This task gives the instructions to repair the thermal insulation of the pre-cooler of the air bleed system.

B. References

REFERENCE	*DESIGNATION*
AMM MPP 06-43-00/100	- COMPONENT LOCATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 36-11-04-000-801-A/400	PRECOOLER - REMOVAL
AMM TASK 36-11-04-400-801-A/400	PRECOOLER - INSTALLATION
IPC 36-13-00	ENGINE BLEED AIR SYSTEM

C. Zones and Accesses

ZONE	*PANEL/DOOR*	*LOCATION*
414	414CB	LH pylon
424	424CB	RH pylon

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	*DESCRIPTION*	*QTY*
SEMICOSIL 960 RED	Sealing compound, red	AR

G. Expendable Parts

ITEM	*IPC REFERENCE (VENDOR REFERENCE)*	*QTY*
Ceramic Fiber Insulation (Kaowool)	IPC 36-13-00	AR
Teflon Tape type lll	IPC 36-13-00	AR
Tape, large (50 mm)	IPC 36-13-00	AR
Tape, narrow (20 mm)	IPC 36-13-00	AR

H. Persons Recommended

QTY	*FUNCTION*	*PLACE*
1	Does the task	Outside the aircraft on the pre-cooler

I. Preparation

SUBTASK 841-002-A

(1) Deenergize the aircraft (AMM TASK 20-40-01-860-801-A/200).

(2) Remove access panels 414CB and 424CB (AMM MPP 06-43-00/100).

(3) Remove the pre-cooler (AMM TASK 36-11-04-000-801-A/400).

J. Repair the Pre-cooler of Air Bleed System (Figure 201)

SUBTASK 350-002-A

(1) Remove the damaged portion of the thermal insulation.

(2) Apply a layer of ceramic fiber insulation to the part to be repaired.

(3) Wind Teflon tape on the ceramic fiber insulation with the Teflon tape.

(4) Cover the ceramic fiber insulation with fiberglass tape. Keep it attached to the duct and completely wrapped.

(5) Apply a coat of red sealing compound and let it dry for 30 minutes, maximum, at an ambient temperature of 4 to 38°C (39.2 to 100.4°F) and a humidity of 75 ± 15%.

(6) Apply a second coat of red sealing compound and let it dry for 30 minutes, maximum, at an ambient temperature of 4 to 38°C (39.2 to 100.4°F) and humidity of 75 ± 15%.

K. Follow-on

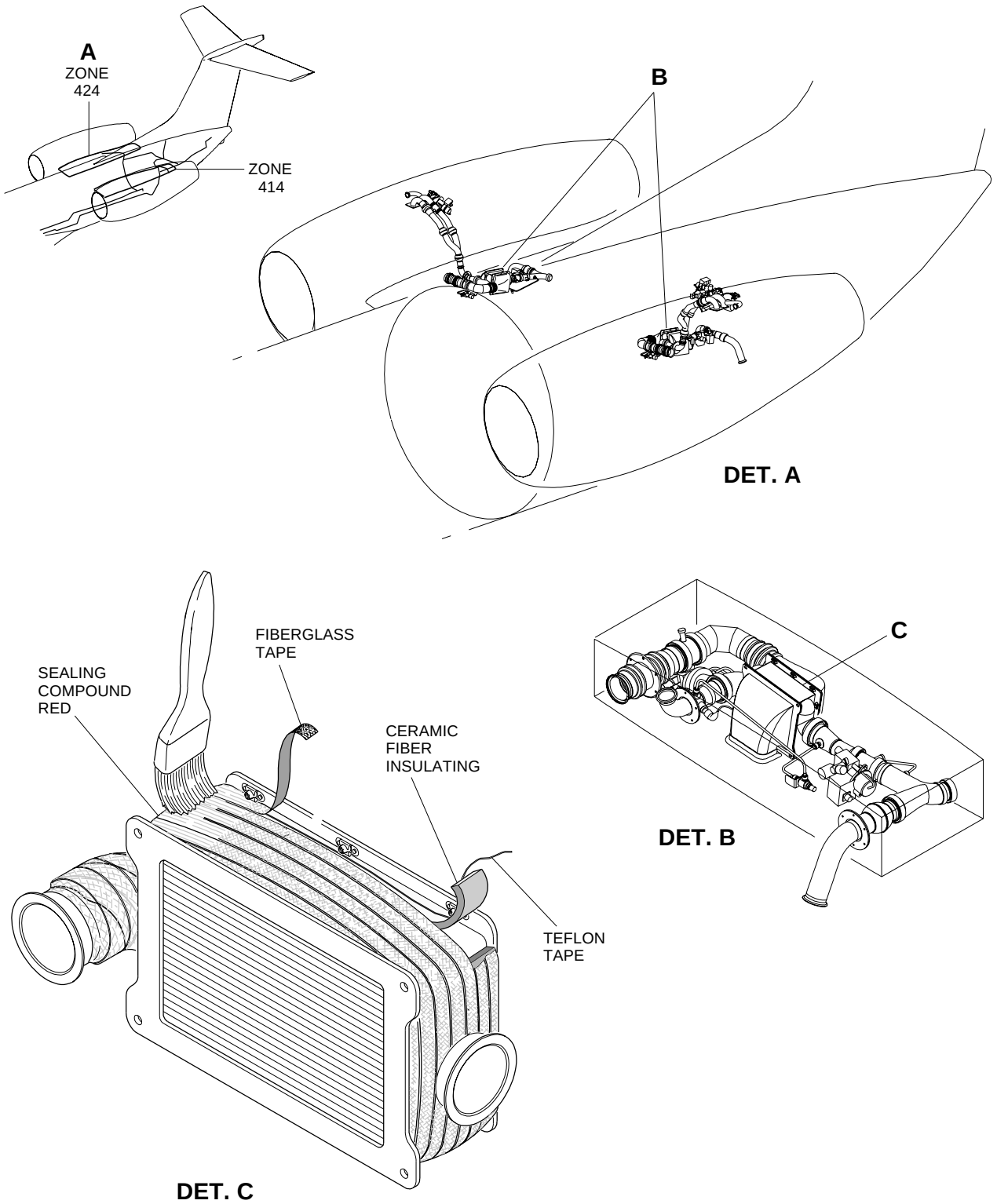
SUBTASK 842-002-A

(1) Install the pre-cooler (AMM TASK 36-11-04-400-801-A/400).

(2) Install access panels 414CB and 424CB (AMM MPP 06-43-00/100).

EFFECTIVITY: ALL

Thermal Insulation of the Air Bleed System on the Pre-cooler
Figure 201



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