



AIRCRAFT MAINTENANCE MANUAL

PRE-COOLER - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the precooler.
- 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
36-11-04-000-801-A	PRECOOLER - REMOVAL	ALL
36-11-04-400-801-A	PRECOOLER - INSTALLATION	ALL



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TASK 36-11-04-000-801-A

EFFECTIVITY: ALL

2. PRECOOLER - REMOVAL

A. General

- (1) This task gives the instructions to remove the precooler.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-43-00/100	- COMPONENT LOCATION
S.B. 145-36-0048	-
S.B. 145-36-0049	-
S.B. 145LEG-36-0010	-

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

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

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

I. Preparation

SUBTASK 841-002-A

- (1) Remove access panels 414CB and 424CB ([AMM MPP 06-43-00/100](#)).

J. Removal ([Figure 401](#))

SUBTASK 020-002-A

- (1) Loosen the clamps (1).

- (2) Remove the adjustable clamp (3) (or the tiedown strap, as applicable).



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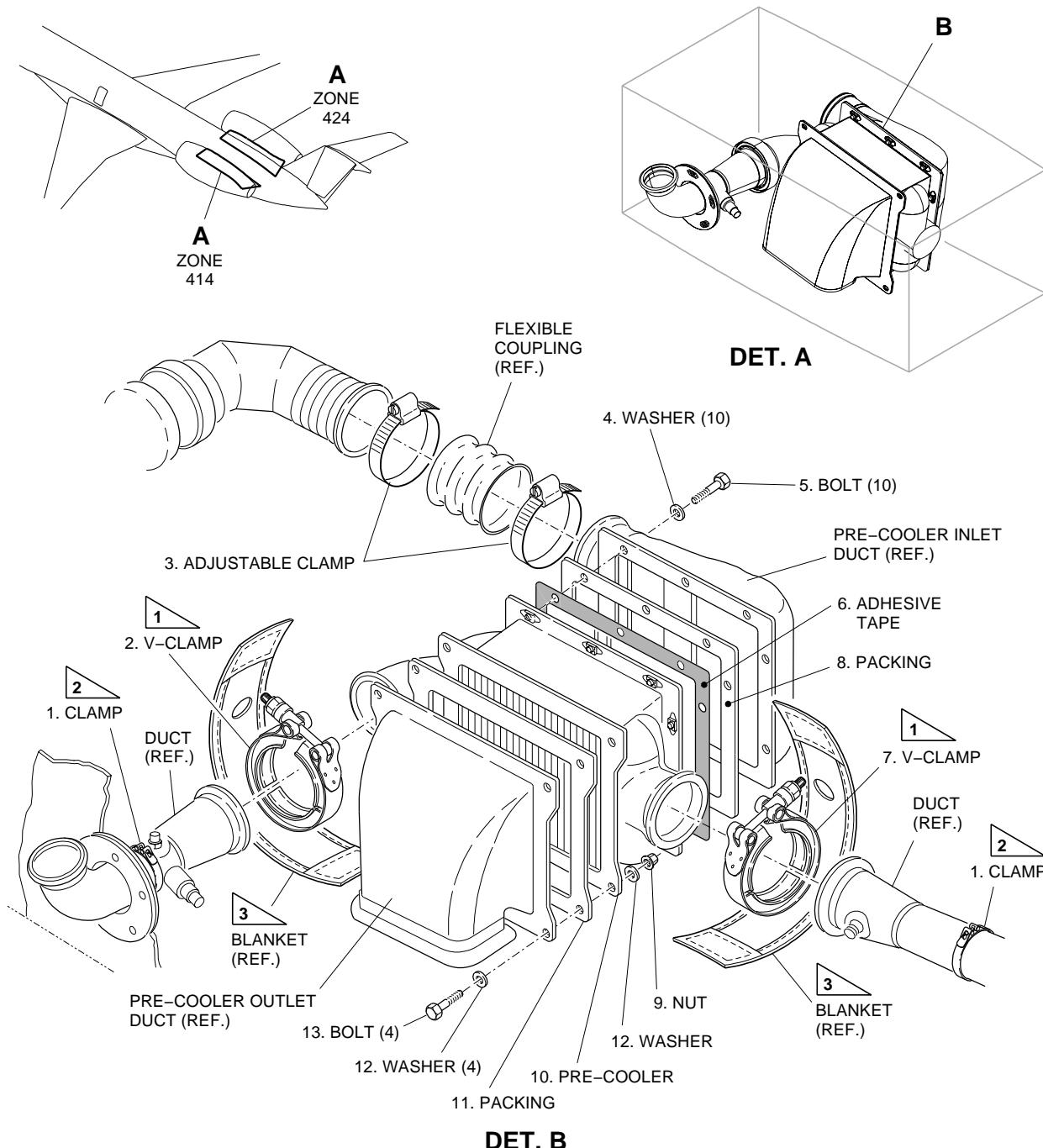
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- (3) Remove the flexible coupling (REF.).
- (4) (For A/C POST-MOD. S.B. 145-36-0048 or/and A/C POST-MOD. S.B. 145-36-0049 or/and A/C POST-MOD. S.B. 145LEG-36-0010) Remove the blankets (REF.) from the V-clamps (2) and (7).
- (5) Remove the bolts (5) and washers (4).
- (6) Remove the precooler inlet duct (REF.) from the precooler (10).
- (7) Remove the packing (8) and adhesive tape (6) from the precooler (10), and discard them.
- (8) Remove the nuts (9), bolts (13) and washers (12).
- (9) Remove the precooler outlet duct (REF.) from the precooler (10).
- (10) Remove the packing (11) from the precooler (10), and discard it.
- (11) Remove the V-clamps (2) and (7).
- (12) Remove the precooler (10).

EFFECTIVITY: ALL

Precooler - Removal/Installation

Figure 401



1 TORQUE: 6.8 – 7.3 Nm (60 – 65 lb.in).

REFER TO TASK 20-10-10-910-801- A FOR CORRECT INSTALLATION OF V-CLAMP.

2 TORQUE: 2.26 – 2.82 Nm (20 – 25 lb.in).

3 FOR A/C POST-MOD. S.B. 145-36-0048 OR A/C POST-MOD. S.B. 145LEG-36-0010.

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TASK 36-11-04-400-801-A

EFFECTIVITY: ALL

3. PRECOOLER - INSTALLATION

A. General

(1) This task gives the instructions to install the precooler.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-43-00/100	- COMPONENT LOCATION
AMM TASK 36-00-00-700-803-A/500	AIR BLEED SYSTEM - OPERATIONAL TEST
IPC 36-13-00	ENGINE BLEED AIR SYSTEM
S.B. 145-36-0048	-
S.B. 145-36-0049	-
S.B. 145LEG-36-0010	-

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

Not Applicable

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Adhesive Tape (Strip-N-Stick 200A) - Black foam shape	IPC 36-13-00	AR
Packing	IPC 36-13-00	2

H. Persons Recommended

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



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I. Installation (Figure 401)

SUBTASK 020-003-A

- (1) Apply new adhesive tape (6) to the precooler (10).
- (2) Put the new packing (8) against the adhesive tape (6).
- (3) Put the new packing (11) in position on the precooler (10).
- (4) Put the precooler (10) in position on the precooler outlet duct (REF.) and install the washers (12), bolts (13) and nuts (9).
- (5) Put the precooler inlet duct (REF.) in position on the precooler (10) and install the washers (4) and bolts (5).
- (6) Install the V-clamps (2) and (7) between the precooler (10) and the ducts (REF.).
- (7) Install the flexible coupling (REF.) and the adjustable clamp (3) (or the tiedown strap, as applicable) between the precooler (10) and the duct (REF.).
- (8) Tighten the clamps (1) according to the torque shown in (Figure 401).
- (9) Tighten the V-clamps (2) and (7) according to the torque shown in (Figure 401).
- (10) (For A/C POST-MOD. [S.B. 145-36-0048](#) or/and A/C POST-MOD. [S.B. 145-36-0049](#) or/and A/C POST-MOD. [S.B. 145LEG-36-0010](#)) Install the blankets (REF.) on the V-clamps (2) and (7).

J. Follow-on

SUBTASK 842-002-A

- (1) Do the Operational Test of the Air Bleed System ([AMM TASK 36-00-00-700-803-A/500](#)).

CAUTION: DO NOT INSTALL THE ACCESS PANELS BACK BEFORE YOU DO THE OPERATIONAL TEST. A POSSIBLE LEAK CAN CAUSE STRUCTURAL DAMAGE TO THE PYLON.

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