



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

PACK DUCTS - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the inspection of the pack ducts.
- B. These procedures are applicable to the LH and RH pack ducts.
- 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
21-51-14-200-801-A	PACK DUCTS - GENERAL VISUAL INSPECTION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 21-51-14-200-801-A

EFFECTIVITY: ALL

2. PACK DUCTS - GENERAL VISUAL INSPECTION

A. General

- (1) This task gives the procedure to do a visual inspection of the pack ducts for good condition and correct attachment.
- (2) The procedure to inspect the LH or RH pack ducts is the same.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 21-60-01/400	- REMOVAL/INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191KL	LH side of the forward lower fairing
191	191EL	LH side of the forward lower fairing
191	191LR	RH 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	Flashlight	To help to do the inspection	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

SUBTASK 841-002-A

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.

WARNING: DO NOT TOUCH THE COOLING PACK SYSTEM DUCTS OR COMPONENTS IMMEDIATELY AFTER THE SYSTEM IS TURNED OFF. THE HIGH AIR TEMPERATURE CAN CAUSE INJURY TO YOU.

CAUTION: BE CAREFUL WHEN YOU HANDLE THE PACKS, VALVES, SENSING ELEMENTS, AND AIR CONDITIONING DUCTS. DO NOT LET OIL, GREASE OR RESIN GET ON THESE COMPONENTS.

- (1) On the Circuit Breaker Panel, open the PACK 1 and PACK 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.
- (2) Remove these access panels, as applicable:
 - 191KL and 191EL (AMM MPP 06-41-01/100), for the LH pack.
 - 191LR and 191 FR (AMM MPP 06-41-01/100), for the RH pack.

J. Pack Ducts - Inspection/Check (Figure 601)

SUBTASK 200-002-A

WARNING: DO NOT TOUCH THE BLEED-AIR SYSTEM DUCTS OR COMPONENTS IMMEDIATELY AFTER THE ENGINE OR APU STOPS. THE HIGH TEMPERATURE OF THE BLEED-AIR CAN CAUSE INJURIES TO PERSONS.

- (1) Do the general visual inspection of the pack ducts as follows:

NOTE: Use a flashlight to do the inspection of the pack ducts, if necessary.

- (a) Do the inspection of the pack ducts and make sure that:
 - 1 They are in good condition;
 - 2 The flanges have no dents, gouges or cracks;
 - 3 They are correctly attached to the adjacent ducts and/or components;
 - 4 There are no signs of leakage;
 - 5 There is no other damage.
 - (a) If any duct shows signs of damage or leakage, replace it. Refer to the applicable AMM tasks of the pack components adjacent to the ducts.
 - (b) Do the inspection of the clamps and make sure that:
 - 1 They are in good condition;
 - 2 They are correctly attached to the ducts and/or components;

3 There are no signs of leakage;

4 There is no other damage.

- (c) If any clamp is loose or shows signs of leakage, correct the installation and/or replace it. Refer to the applicable AMM tasks of the pack components.

NOTE: Pay special attention to the clamps of the ducts that interface with the dual temperature control valves. If they are loose or disconnected, connect or install them back. Refer to ([AMM MPP 21-60-01/400](#)).

K. Follow-on

SUBTASK 842-002-A

- (1) On the Circuit Breaker Panel, close the PACK 1 and PACK 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.
- (2) Install the access panel as follows:
 - 191KL and 191EL (AMM MPP 06-41-01/100), for LH pack.
 - 191LR and 191FR (AMM MPP 06-41-01/100), for RH pack.