



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

PYLON - EXTERNAL - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of the pylon for general condition.
- B. Related Zones: 414/424.
- C. (Applicable to EMB-145 (ALL) models) Zone Boundaries: STA X = 20971.8 thru STA X = 24534.5.  
(Applicable to EMB-135 (ALL) models) Zone Boundaries: STA X = 17426.8 thru STA X = 20989.5.
- D. 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
05-20-72-200-801-A ♦	PYLONS - EXTERNAL GENERAL VISUAL INSPECTION	ALL



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 05-20-72-200-801-A

EFFECTIVITY: ALL

2. PYLONS - EXTERNAL GENERAL VISUAL INSPECTION

A. General

- (1) This task gives instructions to do SMRD Zonal Task 54-Z414-213-001-A00.
- (2) You must do the external general visual inspection (GVI) of pylons, at zones 414/424, within a touching distance of the items examined.
- (3) The function of the external visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Standard	Ladder	To get access to the area	

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Pylon

H. Preparation

SUBTASK 841-002-A

- (1) Put the ladder in position.

I. External General Visual Inspection ([Figure 601](#)) ([Figure 602](#))

SUBTASK 213-002-A

- (1) Examine the engine pylons zone for loose rivets, nicks, cracks, dents, skin deformation, fillet sealant condition, erosion, corrosion, deteriorated protective treatment, and bonding jumper condition ([Figure 601](#)), ([Figure 602](#)).

J. Follow-on

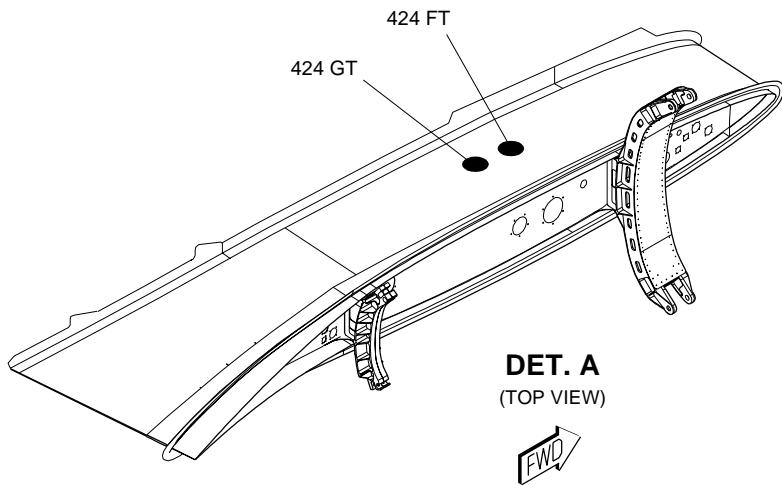
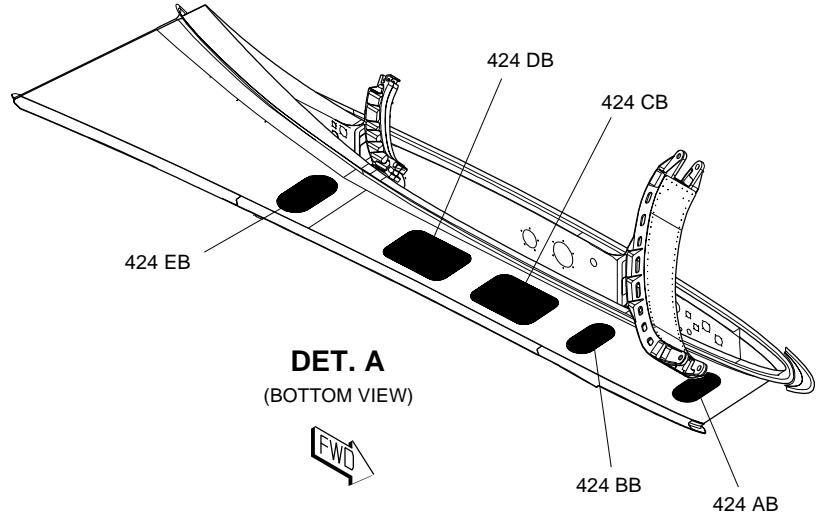
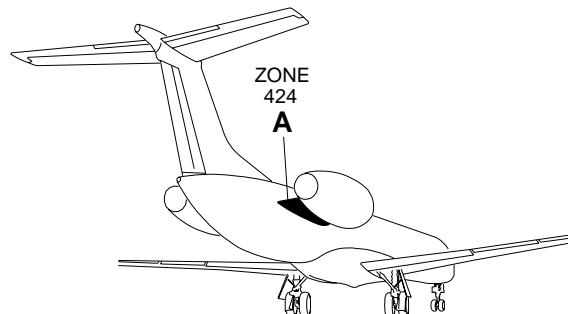
SUBTASK 842-002-A

- (1) Remove the ladder.

**EFFECTIVITY: ALL**

Engine Pylons - External General Visual Inspection

Figure 601

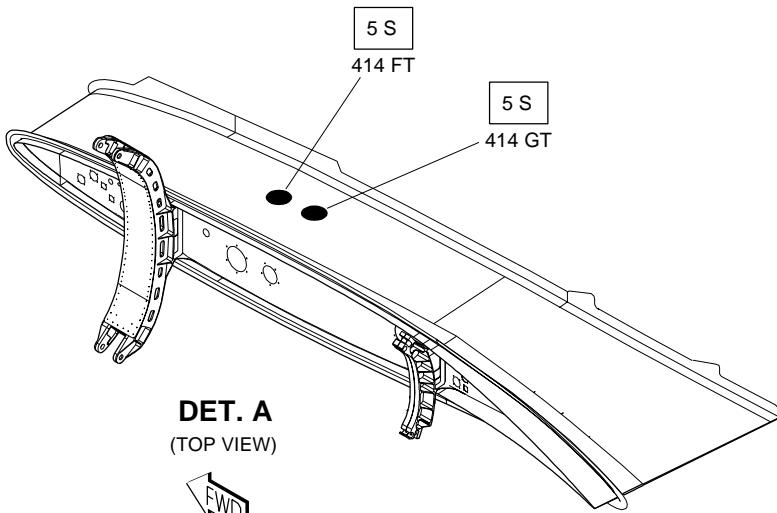
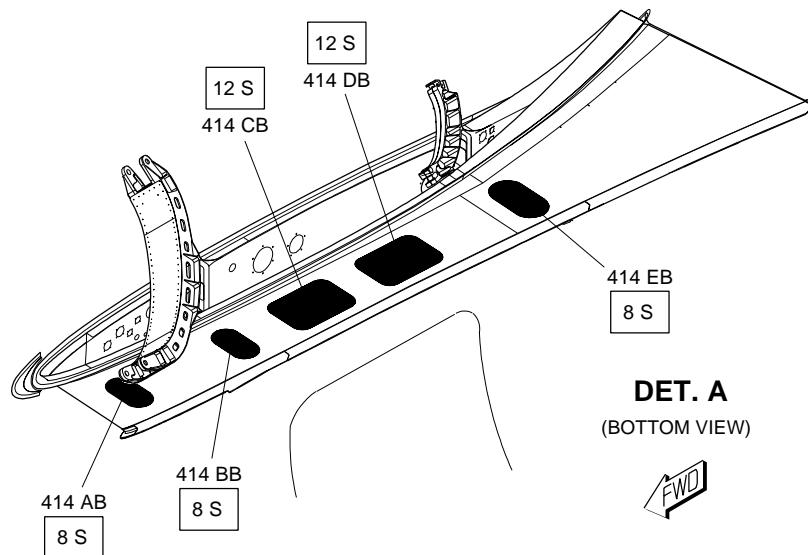
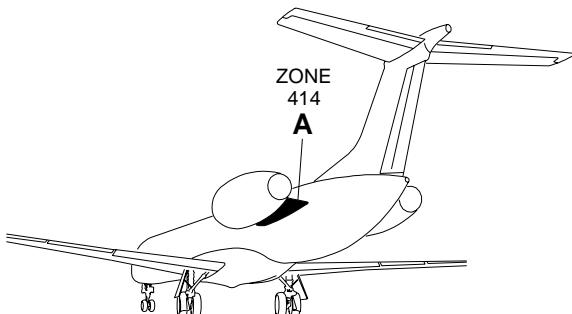


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**EFFECTIVITY: ALL**

Engine Pylons - External General Visual Inspection

Figure 602



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