



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

REAR FUSELAGE II - TAIL CONE FAIRING - INTERNAL - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of rear fuselage II - tail cone fairing for general condition.
- B. Related Zone: 313.
- C. (Applicable to EMB-145 () models) Zone Boundaries: STA X = 26461.57 thru STA X = 27928.5.
(Applicable to EMB-135 () models) Zone Boundaries: STA X = 22921.57 thru STA X = 24388.5.
- 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
05-20-57-200-801-A ♦	REAR FUSELAGE II - TAIL CONE FAIRING - INTERNAL GENERAL VISUAL INSPECTION	ALL



EMB145 – EMB135

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MAINTENANCE MANUAL

TASK 05-20-57-200-801-A

EFFECTIVITY: ALL

2. REAR FUSELAGE II - TAIL CONE FAIRING - INTERNAL GENERAL VISUAL INSPECTION

A. General

- (1) This procedure obeys the EWIS ICA requirement.
- (2) This task gives instructions to do SMRD Zonal Task 53-Z313-214-001-A00.
- (3) You must do the internal general visual inspection (GVI) of rear fuselage II, at zone 313, within a touching distance of the items examined.
- (4) The function of the external general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.
- (5) Apart from any specific targets defined in the Zonal Inspection task, a General Visual Inspection (GVI) must be conducted of the entire zone specified and includes all installations, components and structures. Refer to AMM Introduction for zonal inspection criteria.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM MPP 49-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 49-11-00-000-801-A/400	APU COWLING - REMOVAL
AMM TASK 49-11-00-400-801-A/400	APU COWLING - INSTALLATION
AMM TASK 49-12-02-200-801-A/600	APU ELASTOMERIC MOUNTS - INSPECTION
AMM TASK 49-15-00-000-801-A/400	APU COWLING - REMOVAL
AMM TASK 49-15-00-400-801-A/400	APU COWLING - INSTALLATION
AMM TASK 49-41-01-200-801-A/600	APU IGNITION CABLE - INSPECTION
WM 20-22-00	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
312	312AR	Structural area aft of rear pressure bulkhead - RH
313	313AL	Tail cone
313	313BL	Tail cone
313	313CL	Tail cone
313	313DR	Tail cone
313	313GR	Tail cone

D. Tools and Equipment

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Standard	Ladder	To get access to the area	
Standard	Flashlight	To make the inspection of the area easier	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Rear fuselage II - tail cone fairing

I. Preparation
SUBTASK 841-002-A

- WARNING:** • BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN ([AMM MPP 49-00-00/200](#)) TO PREVENT INJURY TO THE PERSONS AND DAMAGE TO THE MATERIAL.
- MAKE SURE THE APU CONTROL MASTER SWITCH IS IN THE "OFF" POSITION TO PREVENT AN APU ACCIDENTAL OPERATION.

- (1) Put the ladder in position.
- (2) Open the access panel 312AR (AMM MPP 06-42-00/100).
- (3) Remove the APU cowling ([AMM TASK 49-11-00-000-801-A/400](#)) or ([AMM TASK 49-15-00-000-801-A/400](#)), as applicable.

J. Internal General Visual Inspection ([Figure 601](#)) ([Figure 602](#)) ([Figure 603](#)) ([Figure 604](#)) ([Figure 605](#))
SUBTASK 212-002-A

- (1) Examine the fuselage zone for loose rivets, nicks, cracks, dents, erosion, corrosion, deteriorated protective treatment, foreign objects, deformation, and bonding jumper condition.
- (2) Examine the APU-compartment cooling-air intake for condition ([AMM TASK 49-12-02-200-801-A/600](#)), if applicable.
- (3) Examine the APU fire extinguishing pipes for cracks and distortion ([Figure 601](#)).
- (4) Examine the APU elastomeric mounts for condition ([AMM TASK 49-12-02-200-801-A/600](#)) ([Figure 602](#)).

- (5) Examine the APU air inlet duct assembly (duct, screen, and seal) for cuts, deformation, dents, cleaning, chafing, and distortion ([Figure 604](#)).
- (6) Examine the APU harness for general condition ([Figure 603](#)).
- (7) Examine the ignition cables for cuts, cleaning, and chafing ([AMM TASK 49-41-01-200-801-A/600](#)).
- (8) Examine the APU Firewall for nicks, cracks, dents, erosion, corrosion, deteriorated protective treatment and deformation.
- (9) Examine the remaining EWIS components for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.
- (10) **NOTE:** The steps below are applicable for APUs with exhaust silencer installed.
Examine the inlet silencer for general condition ([Figure 605](#)).
- (11) Examine the exhaust silencer assembly and the liner assembly for cuts, deformation, dents, chafing, and distortion ([Figure 605](#)).

K. Follow-on

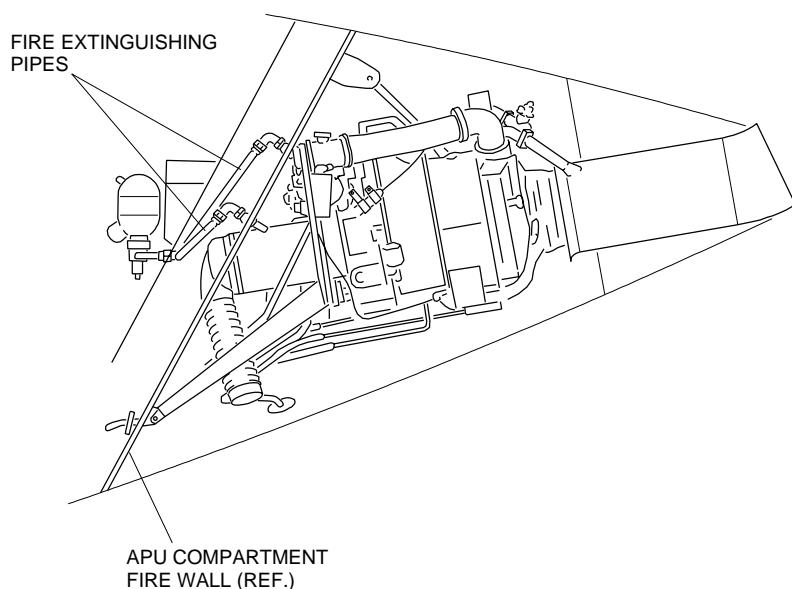
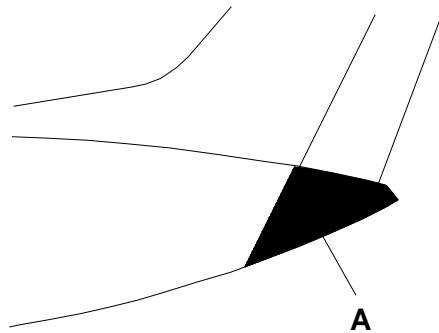
SUBTASK 842-002-A

- (1) Install the APU cowling ([AMM TASK 49-11-00-400-801-A/400](#)) or ([AMM TASK 49-15-00-400-801-A/400](#)), as applicable.
- (2) Close the access panel 312AR.
- (3) Remove the ladder.

EFFECTIVITY: ALL

APU Fire Extinguishing Pipes - General Visual Inspection

Figure 601



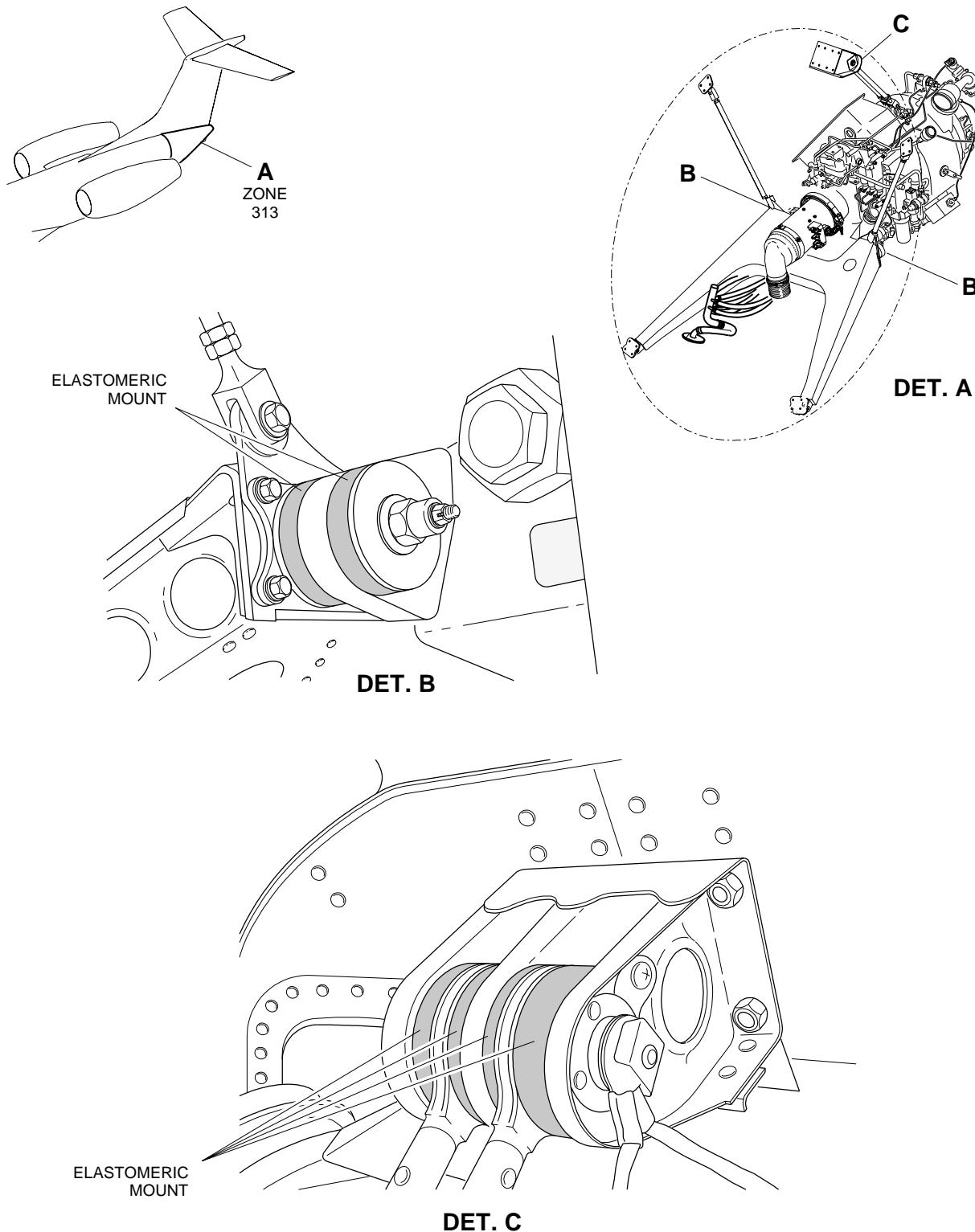
DET. A

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EFFECTIVITY: ALL

Elastomeric Mount - General Visual Inspection

Figure 602

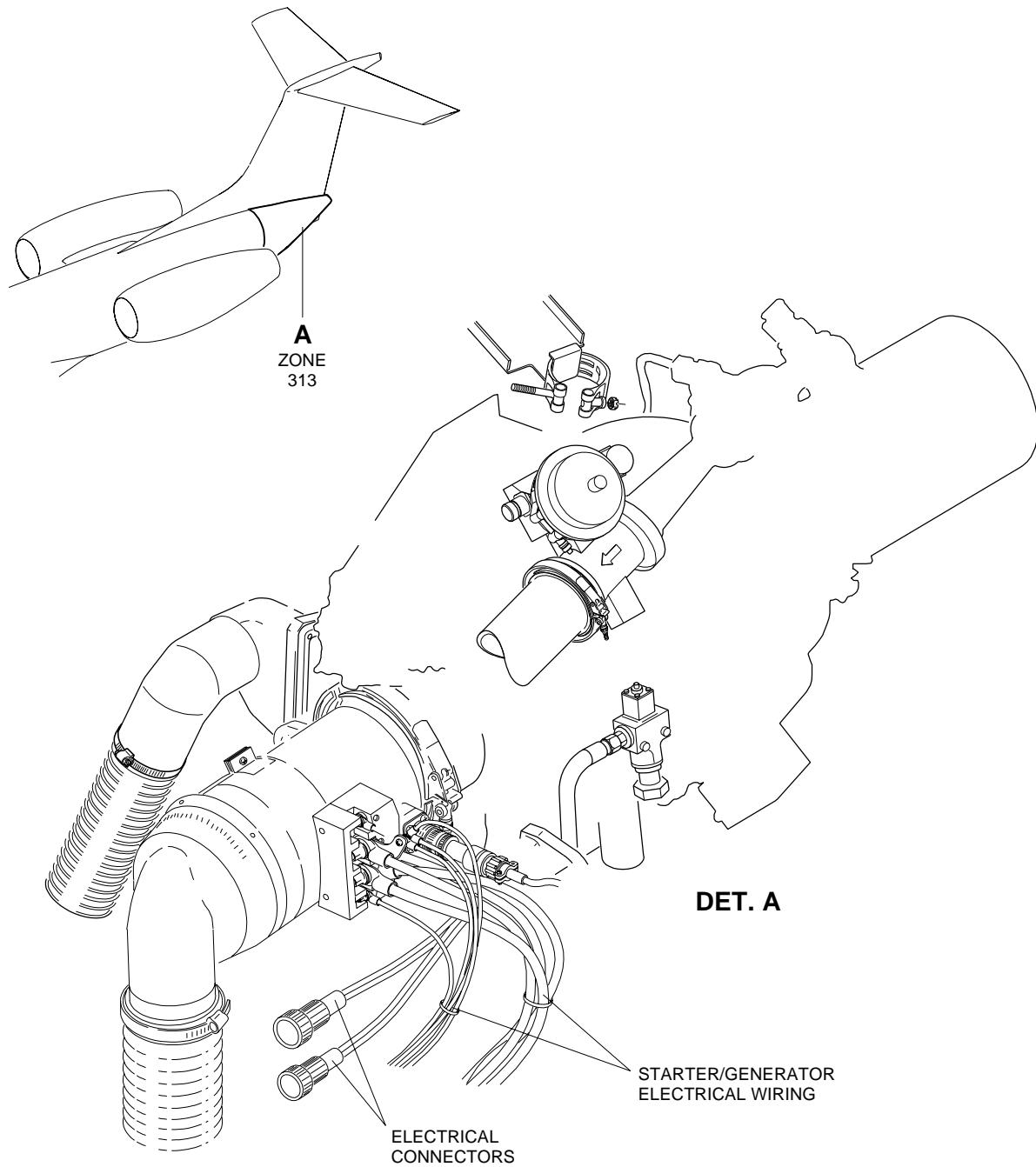


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EFFECTIVITY: ALL

APU Harness - General Visual Inspection

Figure 603



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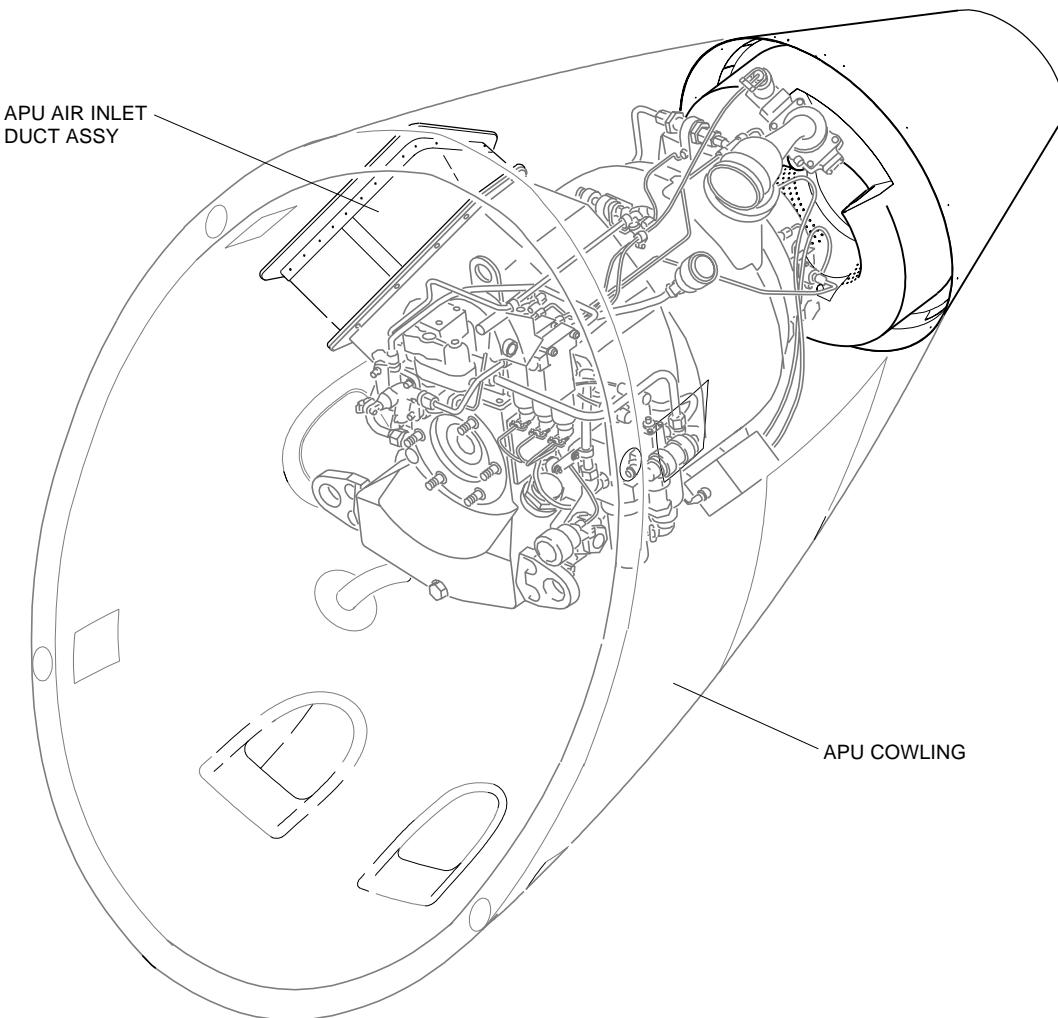
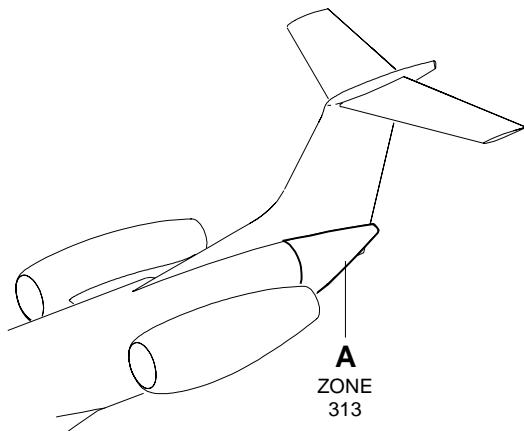
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EFFECTIVITY: ALL

APU Without Exhaust Silencer - General Visual Inspection

Figure 604

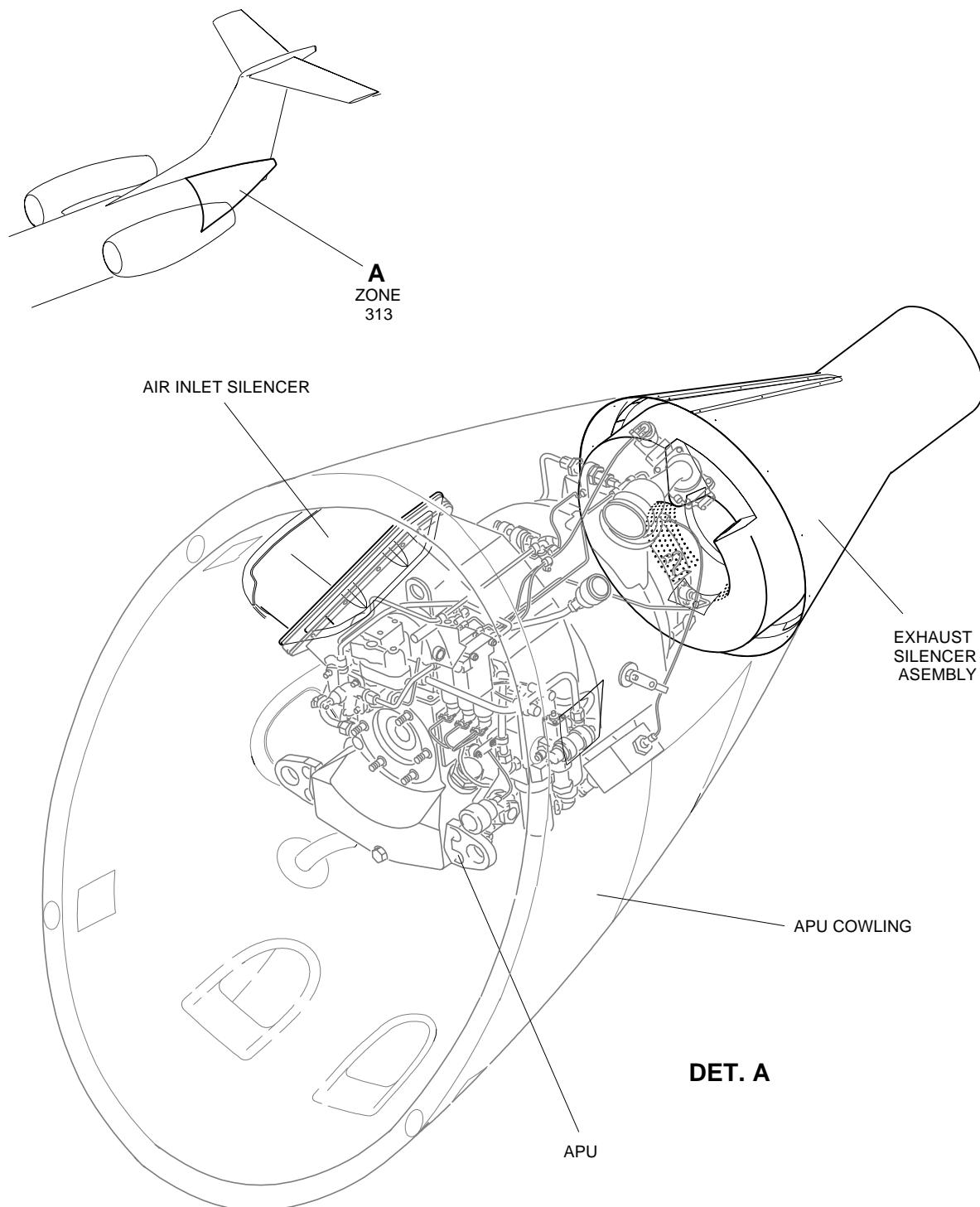


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EFFECTIVITY: ALL

APU With Exhaust Silencer - General Visual Inspection

Figure 605



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