



AIRCRAFT
MAINTENANCE MANUAL

EWIS COMPONENTS IN THE ENGINE - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of the EWIS components in the engines, for general condition.
- B. Related Zones: 415/425.
- C. Zone Boundaries ([AMM MPP 06-43-00/100](#)).
- 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
05-40-18-200-801-A ♦	EWIS COMPONENTS IN THE ENGINE - INTERNAL GENERAL VISUAL INSPECTION	ALL



EMB145 – EMB135

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TASK 05-40-18-200-801-A

EFFECTIVITY: ALL

2. EWIS COMPONENTS IN THE ENGINE - INTERNAL GENERAL VISUAL INSPECTION

A. General

- (1) This procedure obeys the EWIS ICA requirement.
- (2) This task gives the instructions to do SMRD Task Number: 20-00-00-212-014-A00.
- (3) You must do the internal general visual inspection (GVI) of the engines, in zones 415/425, at a distance from which you can reach the engine generator power cables and wiring bundles.
- (4) The function of the internal general visual inspection (GVI) is to find damage, failure, or irregular conditions that can be easily seen.
- (5) Do not unlac or displace the electrical wirings and components during the inspections.

B. References

REFERENCE	DESIGNATION
AMM TASK 71-11-01-000-801-A/400	ENGINE UPPER COWLING - REMOVAL
AMM TASK 71-11-01-400-801-A/400	ENGINE UPPER COWLING - INSTALLATION
AMM TASK 71-12-01-000-802-A/400	ENGINE LOWER COWLING - REMOVAL
AMM TASK 71-12-01-400-802-A/400	ENGINE LOWER COWLING - INSTALLATION
WM 20-22-00	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
412		LH engine upper cowling
413		LH engine lower cowling
422		RH engine upper cowling
423		RH engine lower cowling

D. Tools and Equipment

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

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable



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H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Engine

I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them:
 - START 1/2.
 - THRUST REVERSER 1/2, if applicable.
- (2) Put the ladder in position.
- (3) Remove the upper cowling ([AMM TASK 71-11-01-000-801-A/400](#)) to get access to the engine.
- (4) Remove the lower cowling ([AMM TASK 71-12-01-000-802-A/400](#)) to get access to the engine.

J. EWIS Components in the Engine - Internal General Visual Inspection ([Figure 601](#)) ([Figure 602](#))

SUBTASK 212-002-A

- (1) Do a general visual inspection on the engine generators power cables, wiring bundles, and connected EWIS at LH and RH engines, for signs of damage, adequate installation, chafing and general condition. Refer to WM 20-22-00.

K. Follow-on

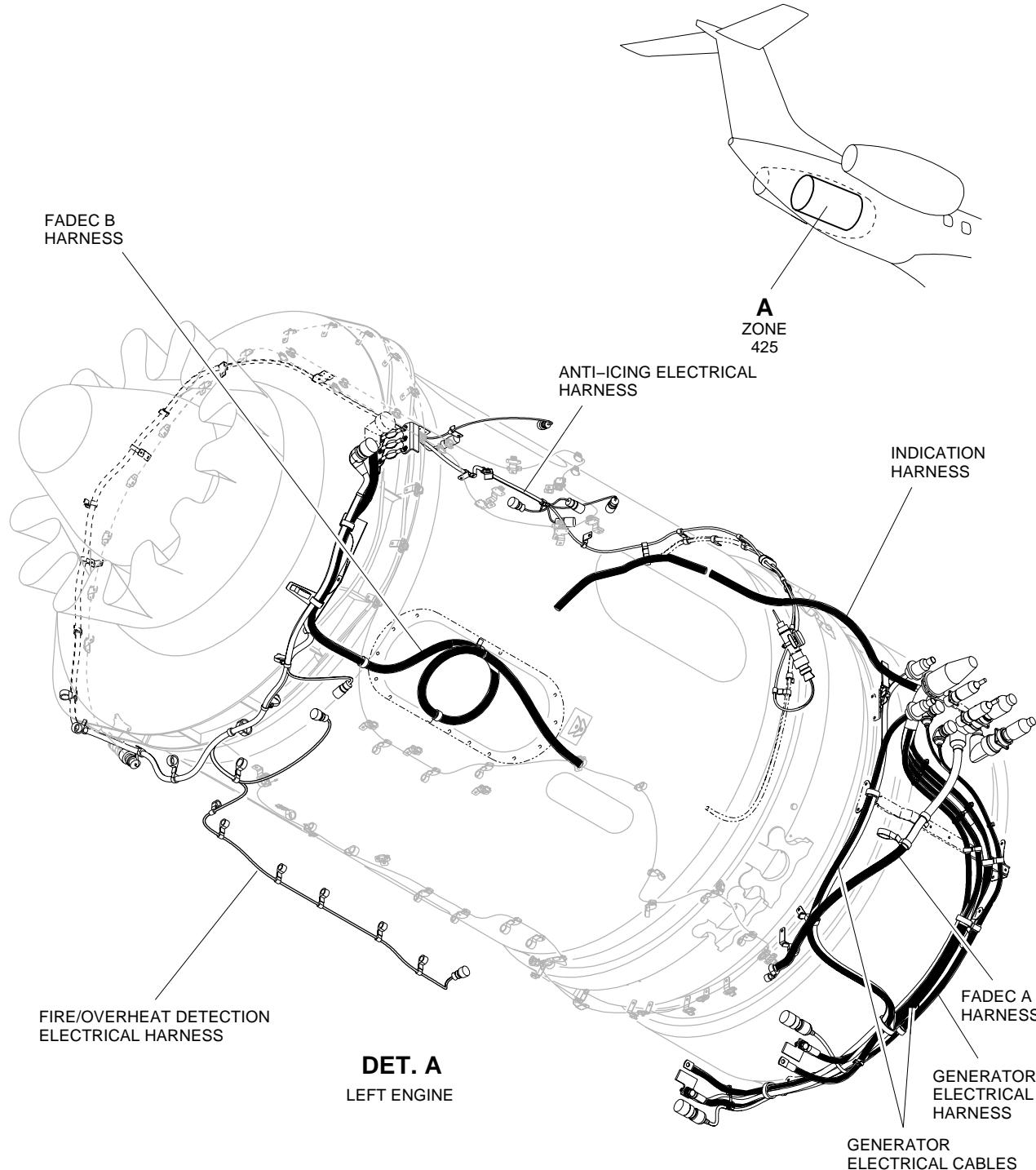
SUBTASK 842-002-A

- (1) Install the upper cowling ([AMM TASK 71-11-01-400-801-A/400](#)).
- (2) Install the lower cowling ([AMM TASK 71-12-01-400-802-A/400](#)).
- (3) Remove the ladder.
- (4) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
 - START 1/2.
 - THRUST REVERSER 1/2, if applicable.

EFFECTIVITY: ALL

EWIS Components in the Engine - Internal General Visual Inspection

Figure 601

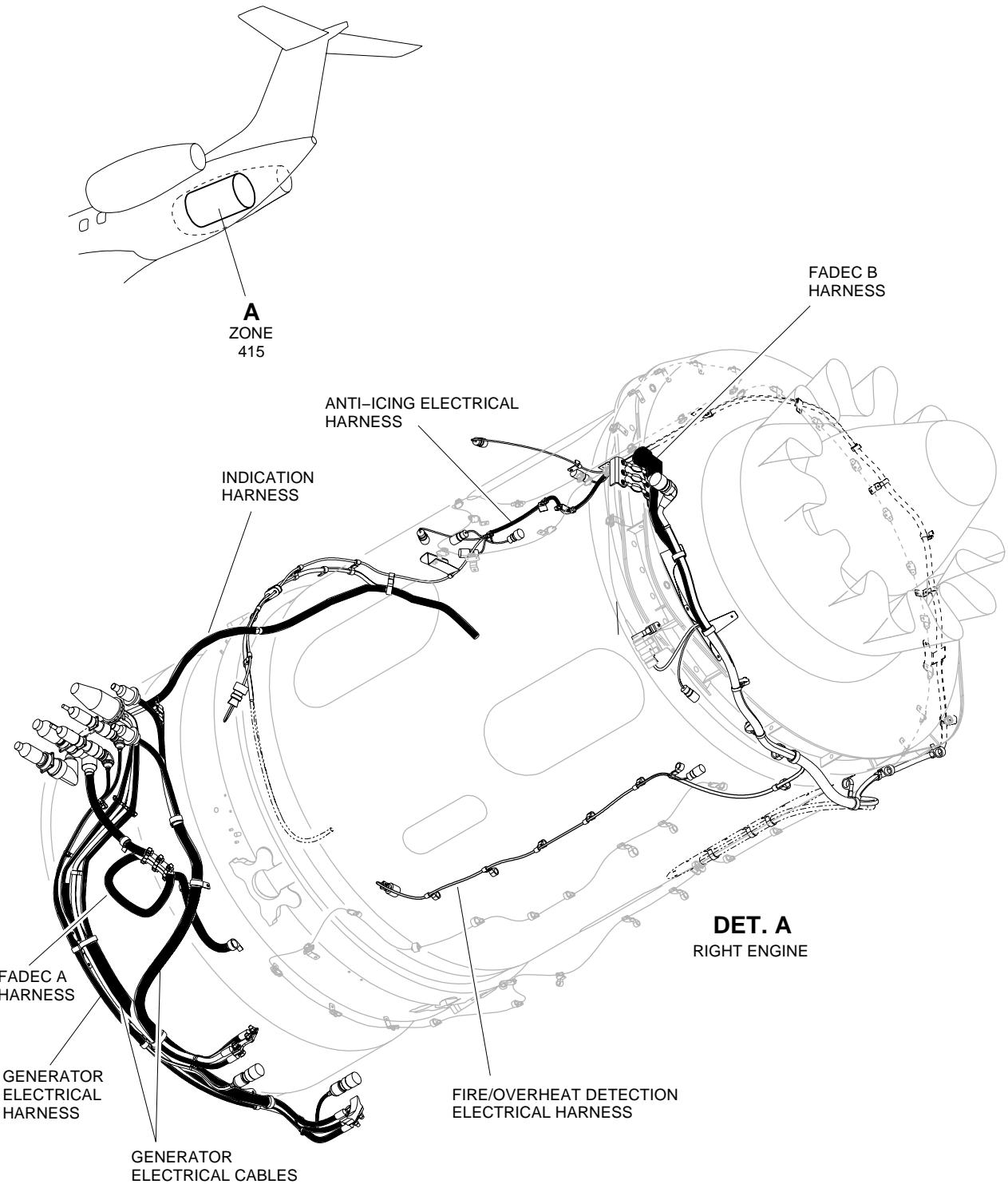


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EFFECTIVITY: ALL

EWIS Components in the Engine - Internal General Visual Inspection

Figure 602



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