



AIRCRAFT MAINTENANCE MANUAL

THRUST REVERSER ACTUATION - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual check of the Thrust Reverser Primary (1RY) and Tertiary (3RY) locks.
- 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
78-32-00-200-801-A ♦	THRUST REVERSER PRIMARY (1RY) AND TERTIARY (3RY) LOCKS - VISUAL CHECK	ALL



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TASK 78-32-00-200-801-A

EFFECTIVITY: ALL

2. THRUST REVERSER PRIMARY (1RY) AND TERTIARY (3RY) LOCKS - VISUAL CHECK

A. General

- (1) This task gives the procedures to do the visual check of the thrust reverser primary (1RY) and tertiary (3RY) locks for general condition.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-43-00/100	- COMPONENT LOCATION
AMM MPP 78-30-00/200	- MAINTENANCE PRACTICES
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 78-31-01-940-801-A/200	THRUST REVERSER - OPENING PROCEDURE
AMM TASK 78-31-01-940-802-A/200	THRUST REVERSER - CLOSURE PROCEDURE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
416	416BB	LH Thrust Reverser
416	416QL	LH Thrust Reverser
416	416PR	LH Thrust Reverser
416	416HT	LH Thrust Reverser
426	426BB	RH Thrust Reverser
426	426QL	RH Thrust Reverser
426	426PR	RH Thrust Reverser
426	426HT	RH Thrust Reverser

D. Tools and Equipment

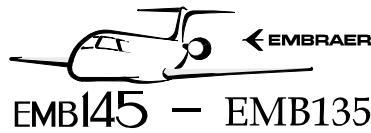
Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the thrust reverser	1
Commercially available	Flashlight	To permit the inspection of the thrust reverser	1
Commercially available	Inspection mirror	To do the inspection of the thrust reverser	1

F. Consumable Materials

Not Applicable



EMB145 - EMB135

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G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Thrust reverser

I. Preparation

SUBTASK 841-002-A

WARNING: REFER TO THE GROUND SAFETY PRECAUTIONS GIVEN IN [AMM MPP 78-30-00/200](#) WHEN YOU DO THE THRUST REVERSER MAINTENANCE PROCEDURES.

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Put the workstand in the work location.
- (3) Remove these access panels from the thrust reverser:
 - (a) Left thrust reverser:
 - 416BB/416QL/416PR/416HT ([AMM MPP 06-43-00/100](#))
 - (b) Right thrust reverser:
 - 426BB/426QL/426PR/426HT ([AMM MPP 06-43-00/100](#))
- (4) Energize the aircraft with the DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).

WARNING: • BE CAREFUL WHEN YOU WORK ON THE AIRCRAFT HYDRAULIC LINES. THE NOMINAL PRESSURE OF THE HYDRAULIC SYSTEM IS 3,000 PSI. A LEAKAGE IN THE SYSTEM CAN CAUSE INJURY TO PERSONS AND DAMAGE TO THE AIRCRAFT.

- BEFORE YOU OPEN THE N2 CIRCUIT BREAKERS AND TO PREVENT INJURY TO PERSONS AND DAMAGE TO THE MATERIAL, MAKE SURE THAT SENSORS PITOT 1 - TAT 1/AOA 1, PITOT 3, AND PITOT 2 - TAT 2/AOA 2, ON THE OVERHEAD PANEL, ARE SET TO OFF.

- (5) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them.
 - N2 SIGNAL 1A/1B
 - N2 SIGNAL 2A/2B
- (6) Open the thrust reverser exhaust door ([AMM TASK 78-31-01-940-801-A/200](#)).
- (7) Clean the thrust reverser parts that will be inspected .

J. Visually Check Thrust Reverser 1RY and 3RY Locks ([Figure 601](#))

SUBTASK 211-002-A

WARNING: • **REFER TO THE GROUND SAFETY PRECAUTIONS GIVEN IN [AMM MPP 78-30-00/200](#) WHEN YOU DO THE THRUST REVERSER MAINTENANCE PROCEDURES.**

- **DO NOT TOUCH THE THRUST REVERSER AND ENGINE COMPONENTS UNTIL THEY ARE COOL. THE TEMPERATURE CAN STAY HOT FOR A LONG TIME AFTER THE ENGINE STOPS.**

- (1) Do a visual inspection of the thrust reverser 1RY and 3RY locks for general condition, damage, or failure. Examine the components below:

NOTE: To do the inspection, use a flashlight and inspection mirror as necessary.

- (a) Primary lock door hook for signs of cracking, abrasion, distortion, and wear.
- (b) Primary lock S latch hook and the primary lock support frames for signs of distortion, loose attachment, or cracks.
- (c) The tertiary lock engaging roller bracket and the engaging roller for signs of wear, cuts, cracks, and loose fasteners.
- (d) Tertiary lock hook for signs of wear, distortion, and cracks.
- (e) Tertiary lock electrical harnesses in the interior of the torsion box for signs of wear, chafing, and damage.
- (f) Attaching points of the tertiary lock for signs of damage, such as cracks, distortions, and loose fasteners.

K. Follow-on

SUBTASK 842-002-A

- (1) Close the thrust reverser exhaust door ([AMM TASK 78-31-01-940-802-A/200](#)).
- (2) Install these access panels to the thrust reverser:
 - (a) Left thrust reverser
 - 416BB/416QL/416PR/416HT ([AMM MPP 06-43-00/100](#))
 - (b) Right thrust reverser
 - 426BB/426QL/426PR/426HT ([AMM MPP 06-43-00/100](#))
- (3) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them.
 - N2 SIGNAL 1A/1B
 - N2 SIGNAL 2A/2B
- (4) Remove the DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)) from the aircraft.



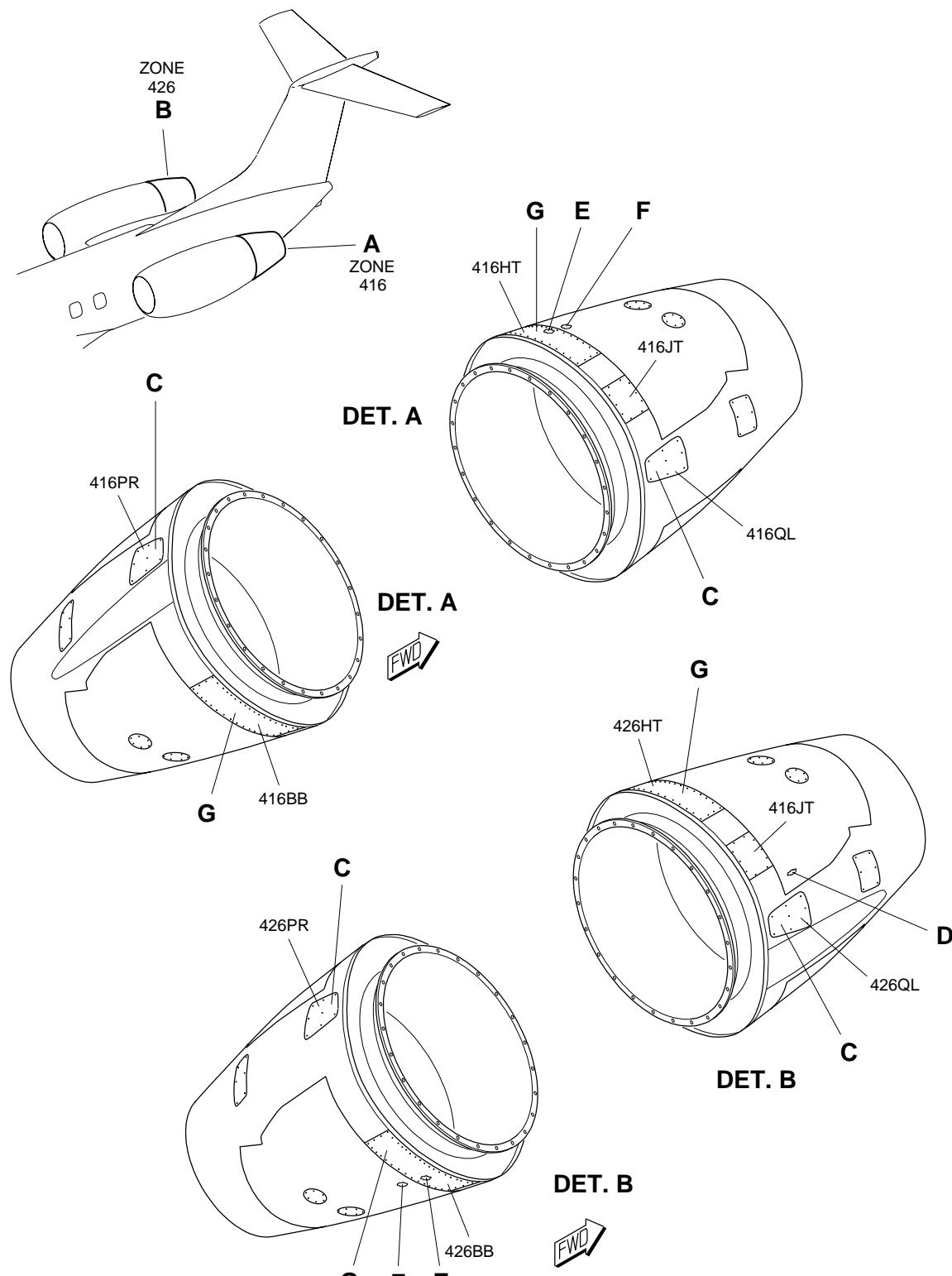
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- (5) Remove the workstand from the work location.

EFFECTIVITY: ALL

Thrust Reverser 1RY and 3RY - Component Locations

Figure 601 - Sheet 1

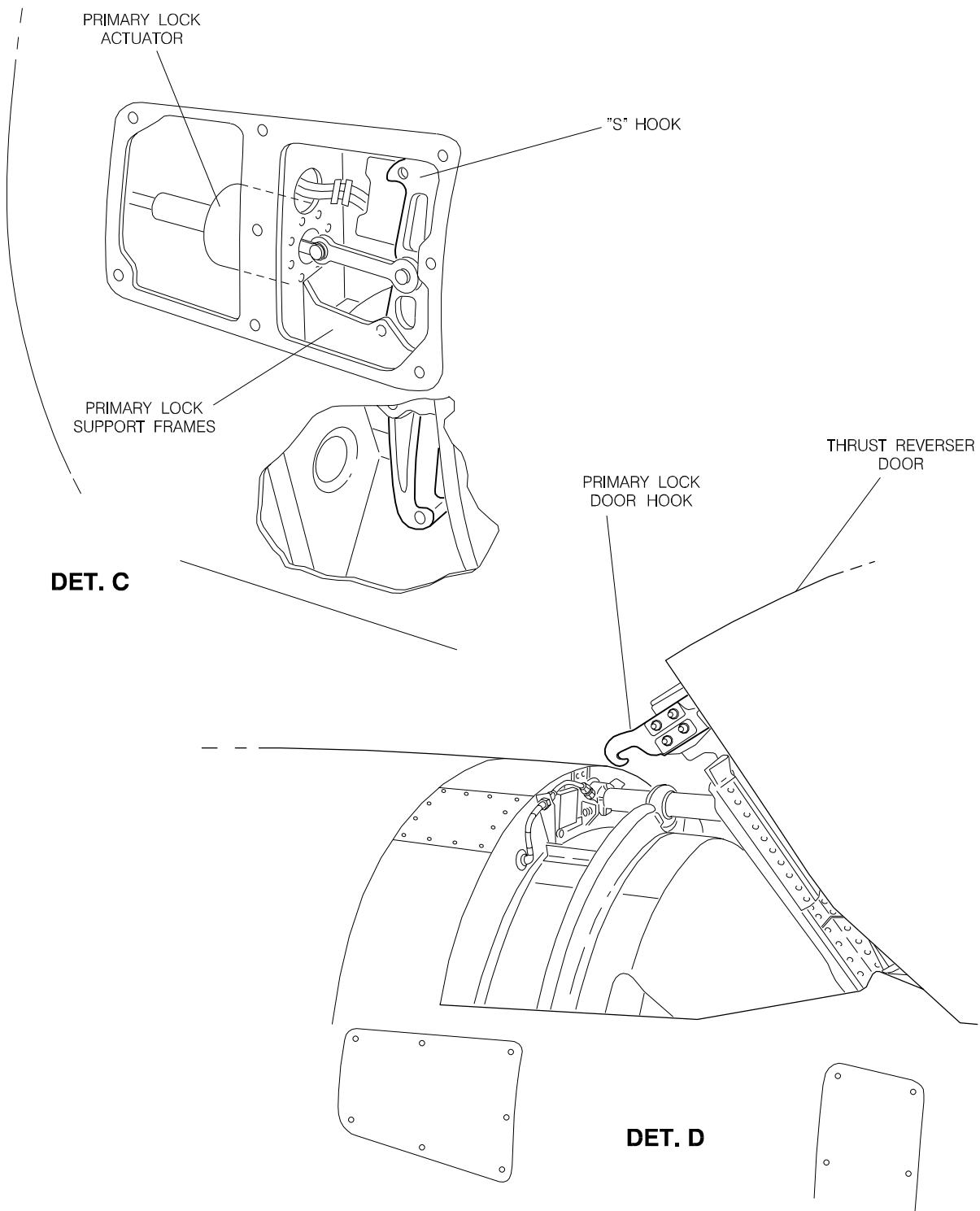


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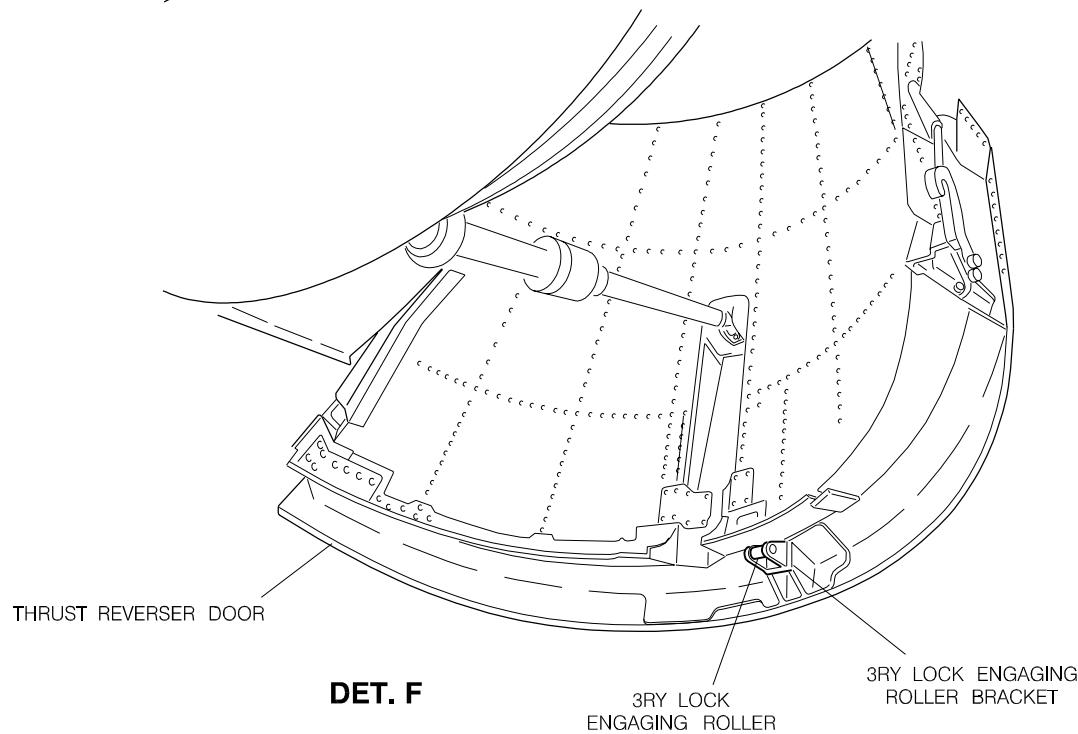
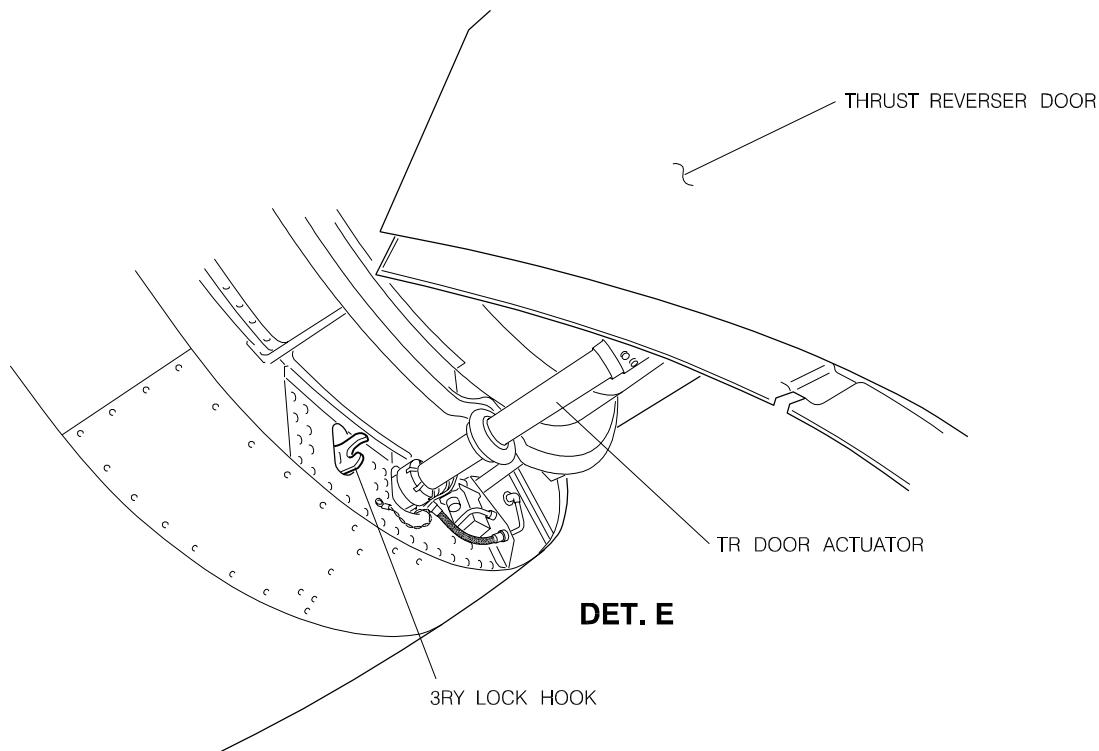
EFFECTIVITY: ALL

Thrust Reverser 1RY and 3RY - Component Locations

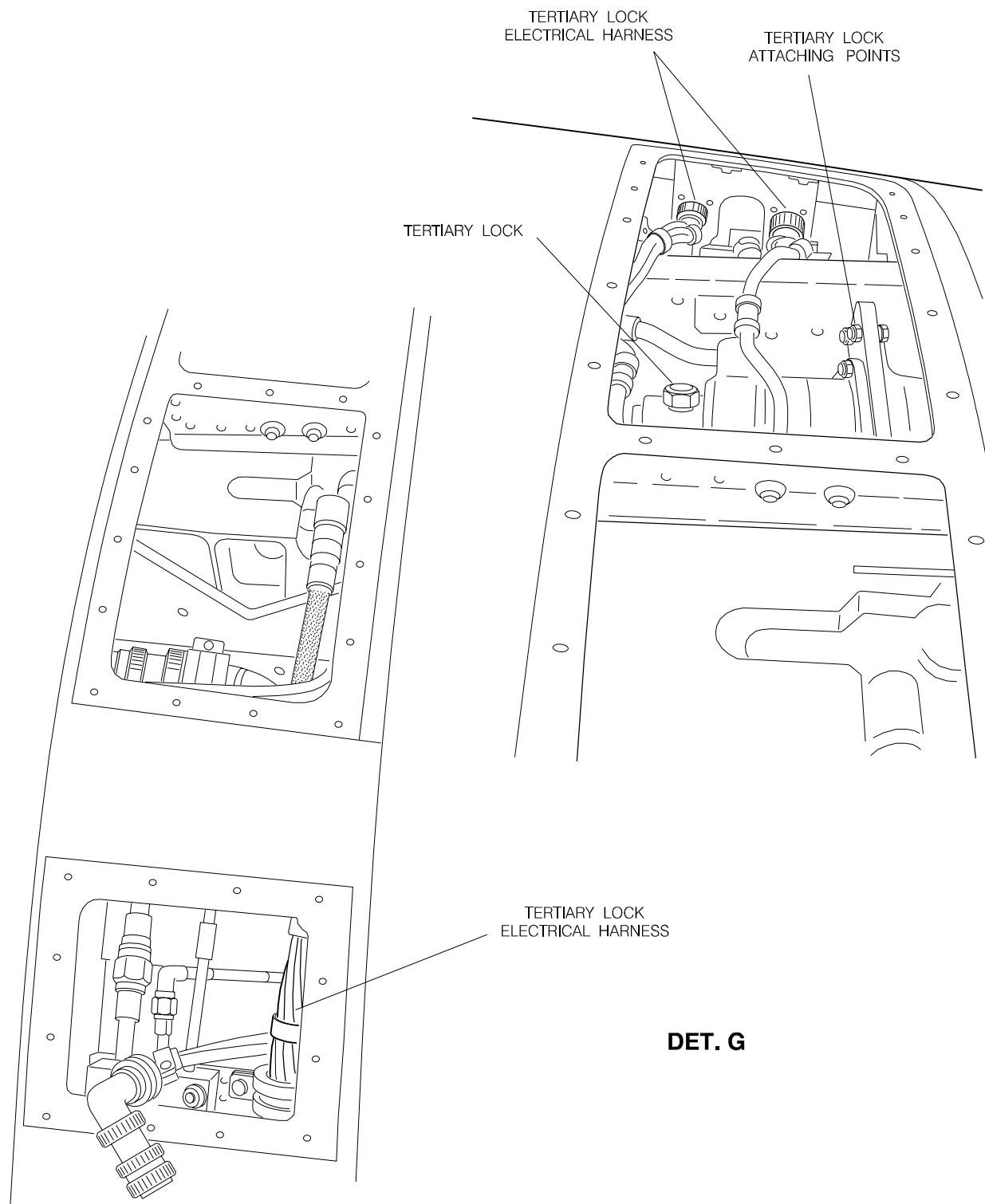
Figure 601 - Sheet 2



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EFFECTIVITY: ALL
Thrust Reverser 1RY and 3RY - Component Locations
Figure 601 - Sheet 3


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EFFECTIVITY: ALL
Thrust Reverser 1RY and 3RY - Component Locations
Figure 601 - Sheet 4


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