THRUST REVERSER - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

   A. This section gives the procedures for the thrust reverser test.

   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*
78-30-00-700-801-A	FADEC/THRUST REVERSER INTERFACE INTEGRITY - TEST	ALL

TASK 78-30-00-700-801-A
EFFECTIVITY: ALL

2. FADEC/THRUST REVERSER INTERFACE INTEGRITY - TEST

A. General

(1) This task gives the procedure to test the FADEC/Thrust Reverser Interface circuit.

(2) This task is applicable to LH and RH engines.

B. References

REFERENCE	*DESIGNATION*
AMM MPP 06-42-00/100	-
AMM MPP 78-33-01/200	- MAINTENANCE PRACTICES
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 73-22-01-000-801-A/400	FADEC - REMOVAL
AMM TASK 73-22-01-400-801-A/400	FADEC - INSTALLATION
WM 76-12-52	-
WM 76-12-53	-
WM 78-31-54	-
WM 78-31-55	-

C. Zones and Accesses

ZONE	*PANEL/DOOR*	*LOCATION*
272	272DR	Rear electronic compartment

D. Tools and Equipment

ITEM	*DESCRIPTION*	*PURPOSE*	*QTY*
Commercially available	multtimeter	To do electrical check	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	*FUNCTION*	*PLACE*
01	Does the task	Rear electronic compartment

I. Preparation

SUBTASK 841-002-A

(1) Make sure that the aircraft is safe for maintenance.

(2) Energize the aircraft (AMM TASK 20-40-01-860-801-A/200).

(3) Make sure that the Thrust Reverser is in the STOW position.

(4) Open the access panel 312AR (AMM MPP 06-42-00/100).

(5) Make sure that the ICU is in de-inhibit condition (AMM MPP 78-33-01/200).

(6) Make sure that the Thrust Lever is in IDLE position.

J. Functional Check (Figure 501)

SUBTASK 720-002-A

(1) For engine 1 do the steps that follow:

(a) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:

- FADEC 1A
- FADEC 1B

(b) At FADEC 1A, disconnect electrical connector P0537 (AMM TASK 73-22-01-000-801-A/400).

(c) At FADEC 1B, disconnect electrical connector P0539 (AMM TASK 73-22-01-000-801-A/400).

(d) At P0537 connector, do a resistance check between pins S and M* (WM 76-12-52 and WM 78-31-54).

1 The resistance value should be 10,000 Ω ± 500 Ω.

(e) At P0537 connector, do a resistance check between pins S and K* (WM 76-12-52 and WM 78-31-54).

1 The resistance value should be less than 10 Ω.

(f) At P0539 connector, do a resistance check between pins S and M* (WM 76-12-52 and WM 78-31-54).

1 The resistance value should be 10,000 Ω ± 500 Ω.

(g) At P0539 connector, do a resistance check between pins S and K* (WM 76-12-52 and WM 78-31-54).

1 The resistance value should be less than 10 Ω.

(h) On the circuit breaker panel, remove the DO-NOT-CLOSE tags and close these circuit breakers:

- FADEC 1A

- FADEC 1B

(i) At FADEC 1A J2 connector, do a voltage check between pin S and aircraft ground (WM 76-12-52).

1 The voltage value should be 13.5 VDC ± 1.5 VDC

(j) At FADEC 1B J2 connector, do a voltage check between pin S and aircraft ground (WM 76-12-52).

1 The voltage value should be 13.5 VDC ± 1.5 VDC

(k) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:

- FADEC 1A
- FADEC 1B

(l) At FADEC 1A, Connect electrical connector P0537 (AMM TASK 73-22-01-400-801-A/400).

(m) At FADEC 1B, Connect electrical connector P0539 (AMM TASK 73-22-01-400-801-A/400).

(n) On the circuit breaker panel, remove the DO-NOT-CLOSE tags and close these circuit breakers:

- FADEC 1A
- FADEC 1B

(2) For engine 2 do the steps that follow:

(a) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:

- FADEC 2A
- FADEC 2B

(b) At FADEC 2A, disconnect electrical connector P0538 (AMM TASK 73-22-01-000-801-A/400).

(c) At FADEC 2B, disconnect electrical connector P0540 (AMM TASK 73-22-01-000-801-A/400).

(d) At P0538 connector, do a resistance check between pins S and M* (WM 76-12-53 and WM 78-31-55).

1 The resistance value should be 10,000 Ω ± 500 Ω.

(e) At P0538 connector, do a resistance check between pins S and K* (WM 76-12-53 and WM 78-31-55).

1 The resistance value should be less than 10 Ω.

(f) At P0540 connector, do a resistance check between pins S and M* (WM 76-12-53 and WM 78-31-55).

1 The resistance value should be 10,000 Ω ± 500 Ω.

(g) At P0540 connector, do a resistance check between pins S and K* (WM 76-12-53 and WM 78-31-55).

1 The resistance value should be less than 10 Ω.

(h) On the circuit breaker panel, remove the DO-NOT-CLOSE tags and close these circuit breakers:

- FADEC 2A
- FADEC 2B

(i) At FADEC 2A J2 connector, do a voltage check between pin S and aircraft ground (WM 76-12-53).

1 The voltage value should be 13.5 VDC ± 1.5 VDC

(j) At FADEC 2B J2 connector, do a voltage check between pin S and aircraft ground (WM 76-12-53).

1 The voltage value should be 13.5 VDC ± 1.5 VDC

(k) On the circuit breaker panel, open these circuit breakers and attach DO-NOT-CLOSE tags to them:

- FADEC 2A
- FADEC 2B

(l) At FADEC 2A, connect electrical connector P0538 (AMM TASK 73-22-01-400-801-A/400).

(m) At FADEC 2B, connect electrical connector P0540 (AMM TASK 73-22-01-400-801-A/400).

(n) On the circuit breaker panel, remove the DO-NOT-CLOSE tags and close these circuit breakers:

- FADEC 2A
- FADEC 2B

K. Follow-on

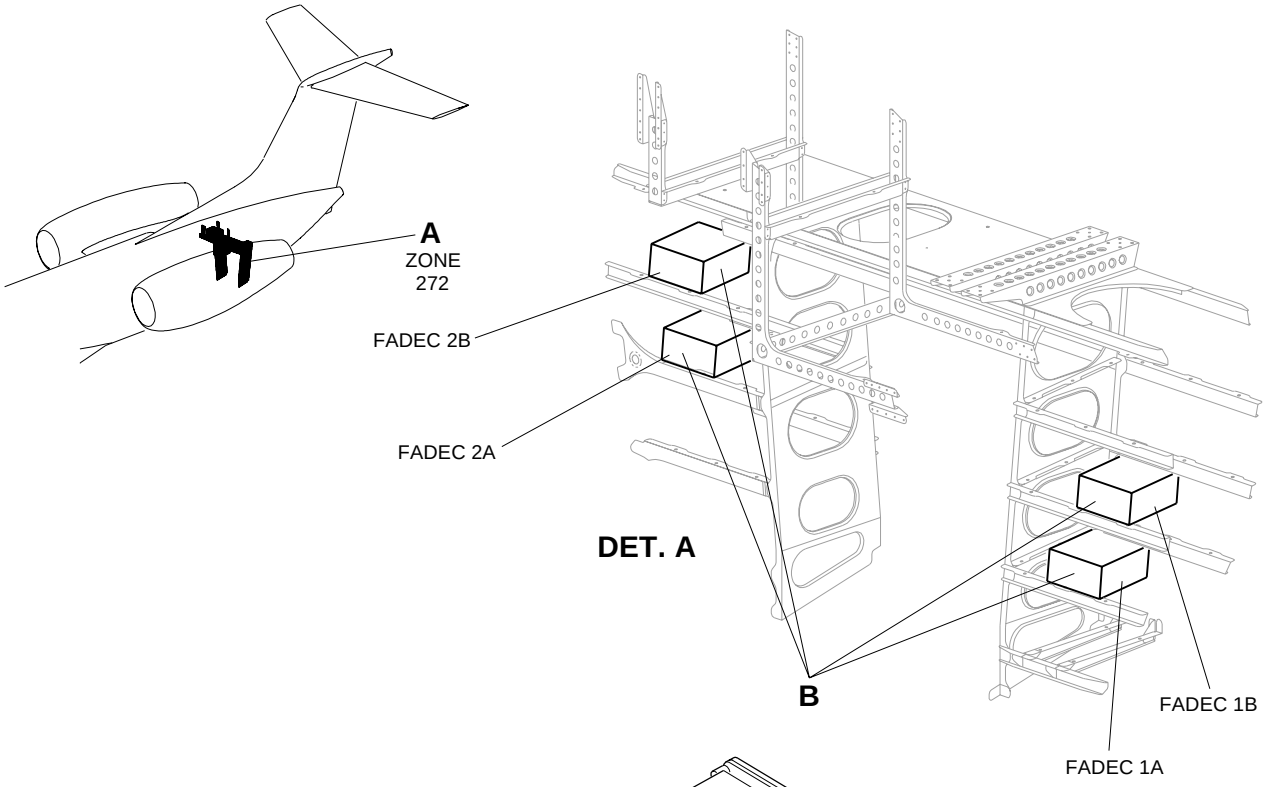
SUBTASK 842-002-A

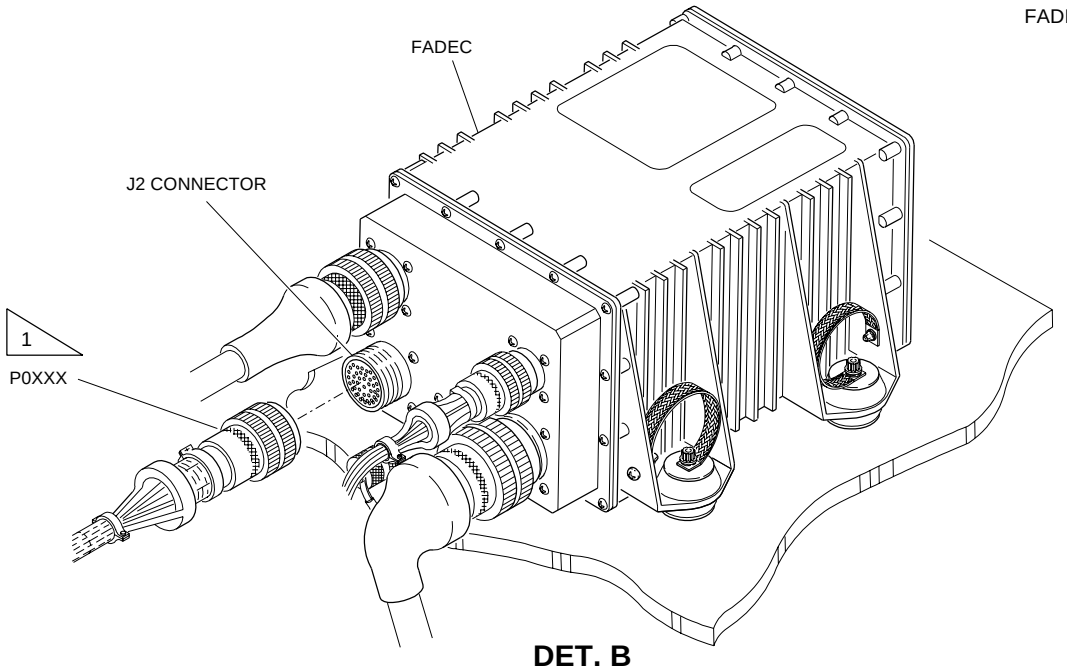
(1) Close the access panel 312AR (AMM MPP 06-42-00/100)

(2) Deenergize the aircraft (AMM TASK 20-40-01-860-801-A/200).

EFFECTIVITY: ALL

FADEC connector - Component Locations
Figure 501





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FADEC 1A	FADEC 1B	FADEC 2A	FADEC 2B
P0537	P0539	P0538	P0540

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