APU SHUT-OFF VALVE - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

   A. This section gives the procedures to do the operational check of the APU shut-off valve.

   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*
28-22-01-700-801-A	APU SHUT-OFF VALVE - OPERATIONAL CHECK	ACFT WITH WET WINGSTUB
28-22-01-700-802-A	APU SHUT-OFF VALVE - OPERATIONAL CHECK	ACFT WITH DRY WINGSTUB

TASK 28-22-01-700-801-A
EFFECTIVITY: ACFT WITH WET WINGSTUB

2. APU SHUT-OFF VALVE - OPERATIONAL CHECK

A. General

(1) This task is a check of the APU shut-off valve for operation.

(2) This valve permits the fuel supply/cut-out for the APU.

B. References

REFERENCE	*DESIGNATION*
AMM MPP 06-41-01/100	-
AMM MPP 28-11-01/400	- REMOVAL/INSTALLATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 28-41-00-200-801-A/600	-

C. Zones and Accesses

ZONE	*PANEL/DOOR*	*LOCATION*
156	156EZ	Landing gear bay

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	*FUNCTION*	*PLACE*
1	Operates the APU master switch and monitors the warning message on the EICAS display	Cockpit
1	Monitors the operation of the defueling shut-off valve	Landing gear bay

I. Preparation

SUBTASK 841-002-A

(1) Remove access panel 156EZ (AMM MPP 06-41-01/100) to get access to the APU shut-off valve.

(2) Energize the aircraft with an external DC - Power Supply (AMM TASK 20-40-01-860-801-A/200).

J. Operational Check of the APU Shut-off Valve (Figure 501)

SUBTASK 710-002-A

(1) Do the check below:

(a) On the overhead panel, set the APU master switch to the ON position, and then to the OFF position.

Result:

1 On the main instrument panel, on the EICAS display, the “APU SOV CLSD” advisory message comes into view.

NOTE: This advisory message stays on the EICAS display for approximately 15 seconds.

2 Make sure that the position indicator, at the APU shut-off valve, shows the CLOSED position.

K. Follow-on

SUBTASK 842-002-A

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

(2) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

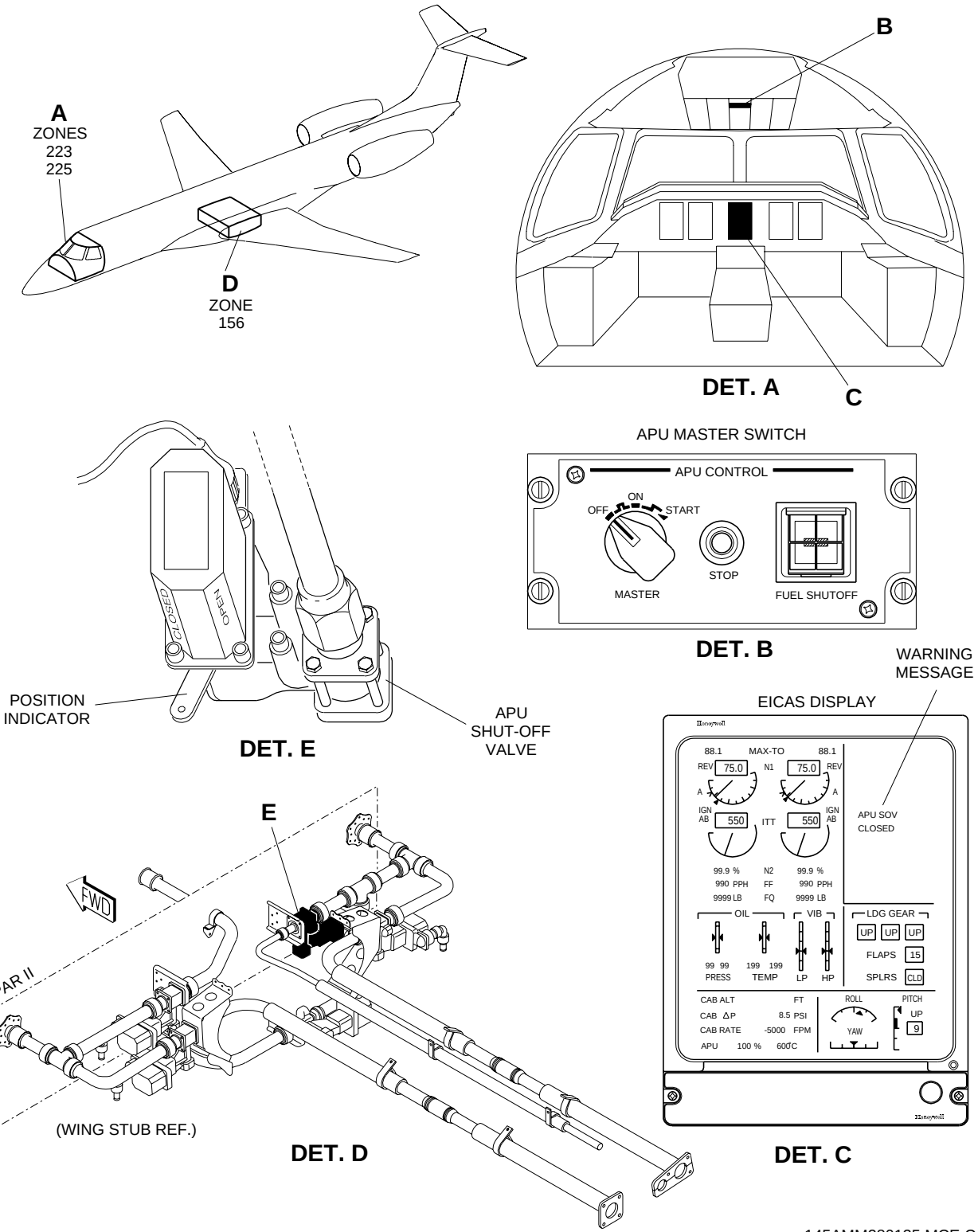
NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Maintenance Review Board Report (MRB).

(3) Install access panel 156EZ (AMM MPP 06-41-01/100 and AMM MPP 28-11-01/400).

EFFECTIVITY: ACFT WITH WET WINGSTUB

APU Shut-off Valve - Controls/Indication - Component Locations

Figure 501



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TASK 28-22-01-700-802-A
EFFECTIVITY: ACFT WITH DRY WINGSTUB

3. APU SHUT-OFF VALVE - OPERATIONAL CHECK

A. General

(1) This task is a check of the APU shut-off valve for operation.

(2) This valve permits the APU fuel supply/cut-out.

B. References

REFERENCE	*DESIGNATION*
AMM MPP 06-41-01/100	-
AMM MPP 28-11-01/400	- REMOVAL/INSTALLATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 28-41-00-200-801-A/600	-

C. Zones and Accesses

ZONE	*PANEL/DOOR*	*LOCATION*
223	223BZ	Main instrument panel
225	225ETC	Overhead panel
192	192AL/192BR	Wing stub

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	*FUNCTION*	*PLACE*
1	Operates the APU master switch and monitors the warning message on the EICAS display	Cockpit
1	Monitors the operation of the defueling shut-off valve	Wing stub

I. Preparation

SUBTASK 841-003-A

(1) Remove access panels 192AL and 192BR (AMM MPP 06-41-01/100) to get access to the APU shut-off valve.

(2) Energize the aircraft with an external DC - Power Supply (AMM TASK 20-40-01-860-801-A/200).

J. Operational Check of the APU Shut-off Valve (Figure 502)

SUBTASK 710-003-A

(1) Do the check below:

(a) On the overhead panel, set the APU master switch to the ON position, and then to the OFF position.

Result:

1 On the main instrument panel, on the EICAS display, the “APU SOV CLSD” advisory message comes into view.

NOTE: This advisory message stays on the EICAS display for approximately 15 seconds.

2 Make sure that the position indicator, at the APU shut-off valve, shows the CLOSED position.

K. Follow-on

SUBTASK 842-003-A

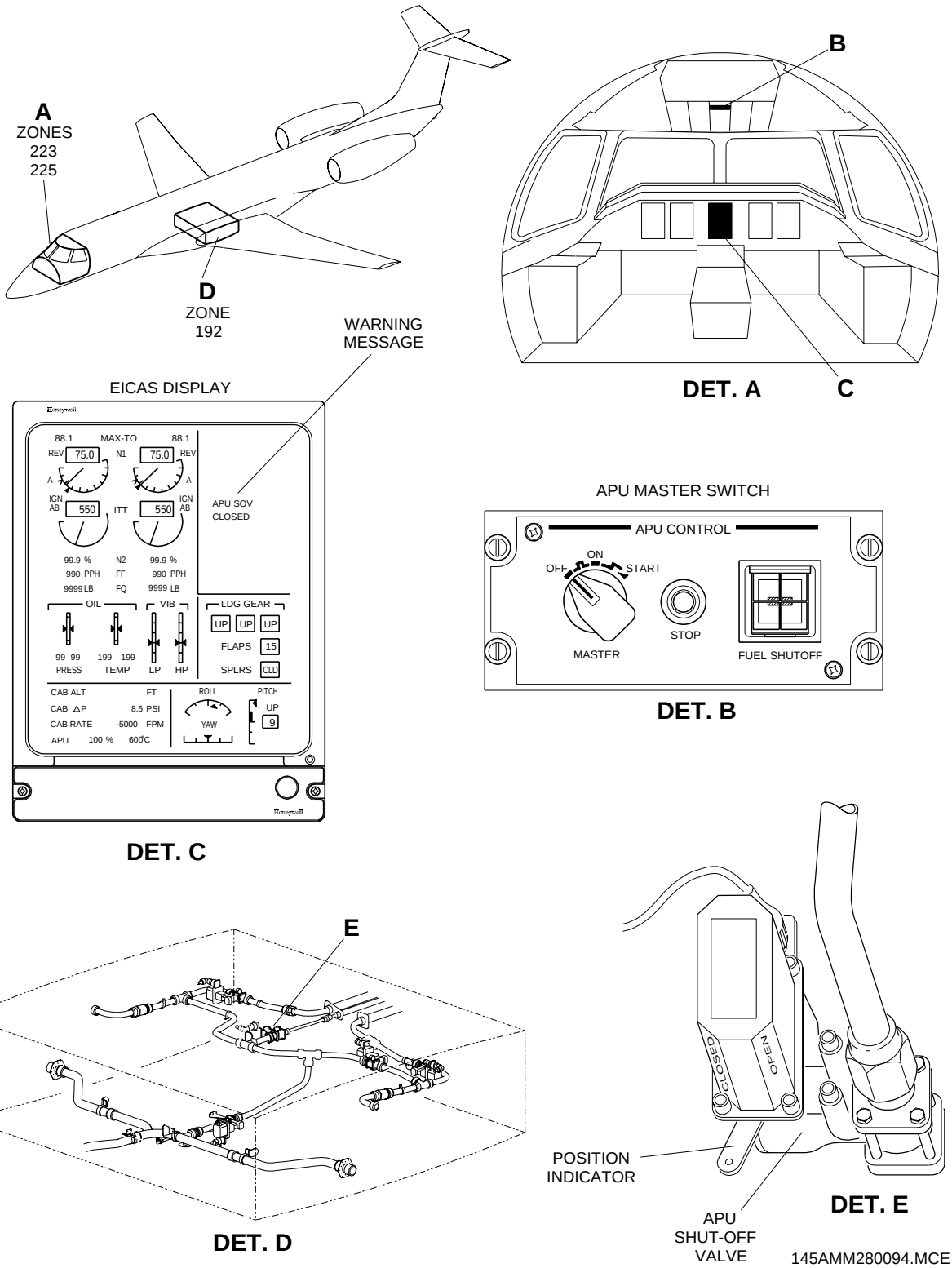
(1) Deenergize the aircraft (AMM TASK 20-40-01-860-801-A/200).

(2) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Maintenance Review Board Report (MRB).

(3) Install access panels 192AL/192BR (AMM MPP 06-41-01/100 and AMM MPP 28-11-01/400).

EFFECTIVITY: ACFT WITH DRY WINGSTUB
APU Shut-off Valve - Controls/Indication - Component Locations
Figure 502



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