

ELECTRIC MOTOR-DRIVEN PUMP - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do a check of the electric-motor driven pump (EMDP) with the switch set to AUTO and ON.
- 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
29-10-04-700-801-A ◆	ELECTRIC MOTOR DRIVEN PUMP (EMDP) - OPERATIONAL CHECK	ALL

TASK 29-10-04-700-801-A

EFFECTIVITY: ALL

2. ELECTRIC MOTOR DRIVEN PUMP (EMDP) - OPERATIONAL CHECK

A. General

(1) This procedure is applicable to the EMDP of hydraulic systems 1 and 2.

B. References

REFERENCE	DESIGNATION
AMM SDS 34-22-00/1	
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193BL	Hydraulic Compartment of System 1
193	193CR	Hydraulic Compartment of System 2

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	Does the task	Cockpit
1	Helps the other technician	Hydraulic system compartments 1 and 2

I. Preparation

SUBTASK 841-002-A

- (1) Make sure the engines are stopped.
- (2) Energize the aircraft (AMM TASK 20-40-01-860-801-A/200).
- (3) Set MFD 1 (or 2) to HYD page (AMM SDS 34-22-00/1).

- J. Operationally Check the Electric Motor Driven Pump (EMDP) in AUTO and ON Modes ([Figure 501](#))

SUBTASK 710-002-A

WARNING: BEFORE YOU TURN ON THE EMDP, MAKE SURE THAT THE CONTROL SURFACES OPERATED BY THE HYDRAULIC POWER (RUDDER, AILERON, SPOILERS, ETC) ARE CLEAR OF OBSTACLES.

- (1) Do the check of the EMDP of SYS 1 as follows:

- (a) Set the switch of the EMDP to AUTO.

Result:

- 1 The EMDP is turned on.
- 2 The MFD shows the status message (ON) of the EMDP and the pressure is 2900 ± 200 psi.

- (b) Set the switch of the EMDP to ON.

Result:

- 1 The EMDP stays on.
- 2 On the MFD display, the status message of the EMDP stays ON.

- (c) Set the switch of the EMDP to OFF.

Result:

- 1 The EMDP is turned off.
- 2 The MFD shows the status message (OFF) of the EMDP.

- (2) Do step (1) for the EMDP of hydraulic system 2.

- K. Follow-on

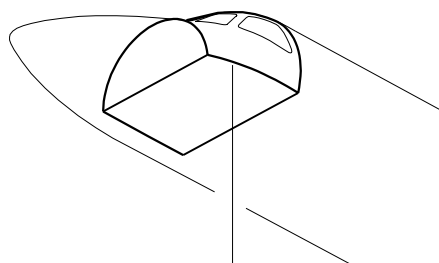
SUBTASK 842-002-A

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

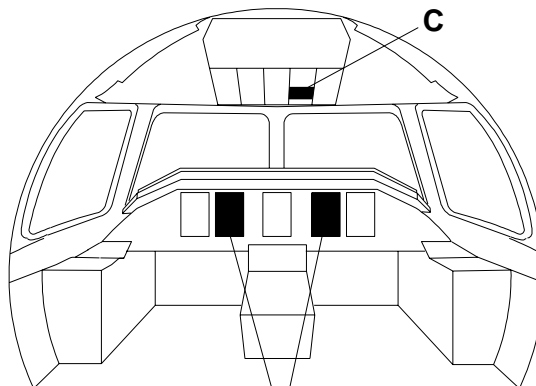
EFFECTIVITY: ALL

Electric Motor-Driven Pump (EMDP) - Operational Check

Figure 501



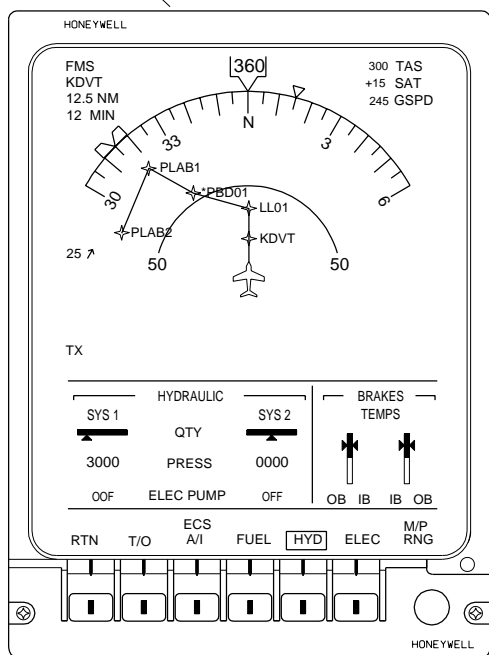
A
ZONES
223
224
226



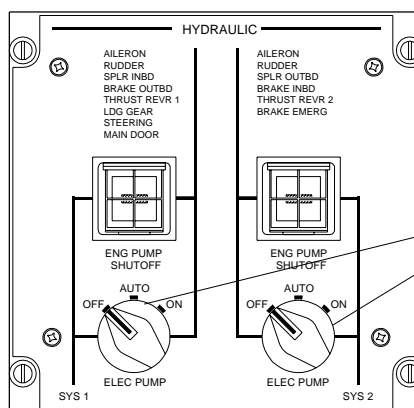
DET. A

B

MFD



DET. B



DET. C

EMDP
SWITCHES

EM145AMM290233A.DGN