

PRIORITY VALVE - ADJUSTMENT/TEST

*EFFECTIVITY: ALL*1. General

- A. This section gives the procedures to do a check of the priority 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
29-10-13-700-801-A ◆	PRIORITY VALVE - FUNCTIONAL CHECK	ALL

TASK 29-10-13-700-801-A

EFFECTIVITY: ALL

2. PRIORITY VALVE - FUNCTIONAL CHECK

A. General

- (1) The priority valve is installed only in hydraulic system 1.
- (2) If the pressure decreases below 2400 psi, replace the priority valve ([AMM TASK 29-10-13-000-801-A/400](#)).

B. References

REFERENCE	DESIGNATION
AMM SDS 34-22-00/1	
AMM TASK 07-10-00-500-801-A/200	-
AMM TASK 07-10-00-500-802-A/200	-
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 29-10-00-860-801-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH HTS
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 29-10-13-000-801-A/400	PRIORITY VALVE - REMOVAL
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Stopwatch	To measure the time for LG retraction	
Commercially available	Fences (LH MLG, RH MLG, and NLG)	To isolate the LG retraction area	

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

I. Preparation

SUBTASK 841-002-A

- (1) Lift the aircraft on jacks (AMM TASK 07-10-00-500-801-A/200).
- (2) Isolate the area of operation of the landing gears (LH MLG, RH MLG and NLG) with fences.
- (3) Make sure that the LG safety pins were removed ([AMM TASK 32-00-01-910-801-A/200](#)).
- (4) Energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (5) Set MFD 1 (2) to the HYD page ([AMM SDS 34-22-00/1](#)).
- (6) Pressurize hydraulic system 1 with the EMDP ([AMM TASK 29-10-00-860-801-A/200](#)).

J. Functionally Check Priority Valve ([Figure 501](#))

SUBTASK 720-002-A

- (1) Do the priority valve check as follows:
 - (a) Set the landing gear control lever to the UP position.
Result:
 - 1 The pressure of hydraulic system 1 must not decrease below 2400 psi.
 - 2 The time for retraction of the landing gears is 13 seconds maximum.
- (2) If the priority valve does not reach the values above, replace it according to the [AMM TASK 29-10-13-000-801-A/400](#).

K. Follow-on

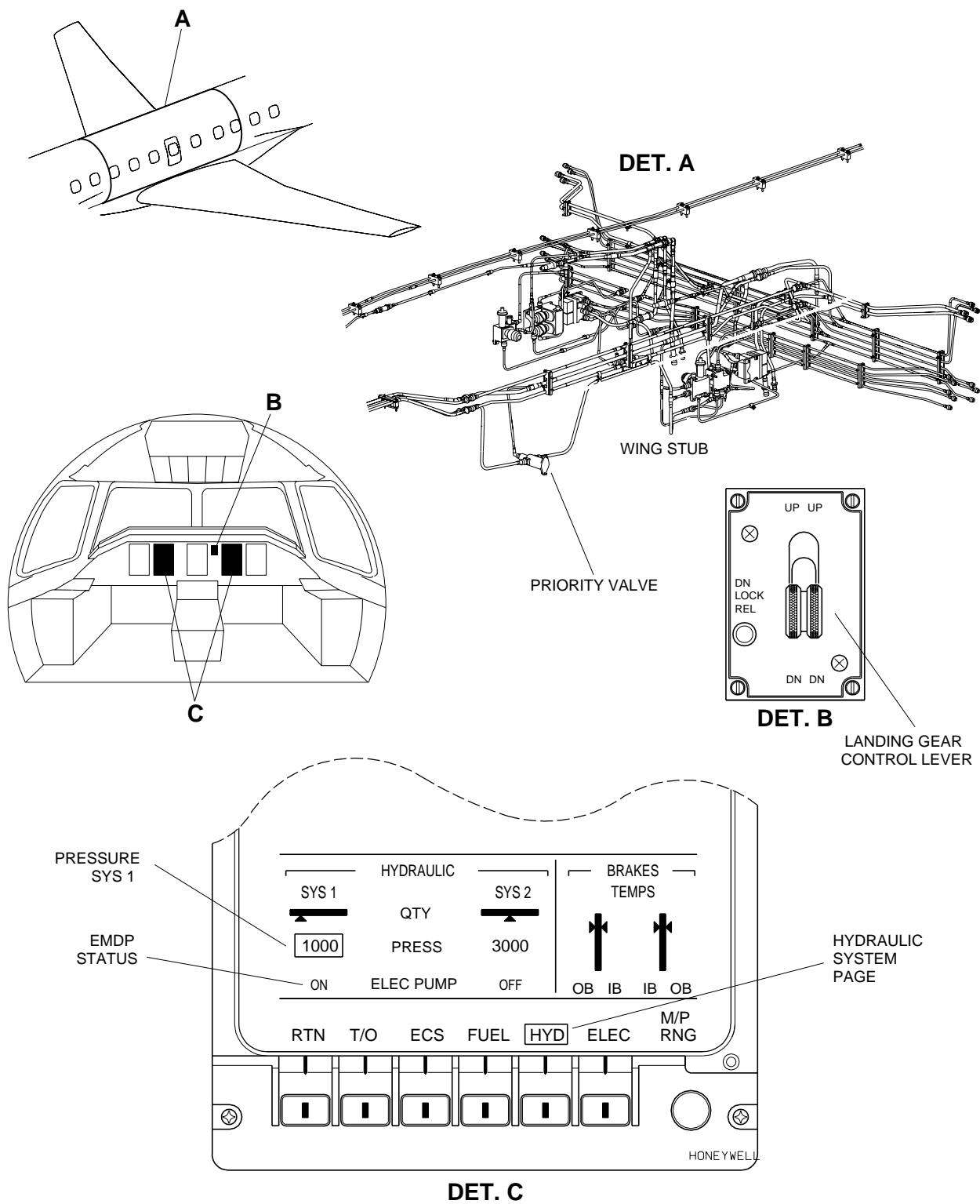
SUBTASK 842-002-A

- (1) Set the landing gear control lever to the DOWN position.
- (2) Depressurize hydraulic system 1 ([AMM TASK 29-10-00-860-802-A/200](#)).
- (3) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (4) Install the LG safety pins ([AMM TASK 32-00-01-910-801-A/200](#)).
- (5) Remove the fences.
- (6) Lower the aircraft (AMM TASK 07-10-00-500-802-A/200).

EFFECTIVITY: ALL

Priority Valve - Functional Check

Figure 501



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