STEERING MANIFOLD - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

   A. This section gives the procedures to do a test of the steering manifold for its correct operation.

   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*
32-50-04-700-801-A	STEERING MANIFOLD - FUNCTIONAL TEST	ALL

TASK 32-50-04-700-801-A
EFFECTIVITY: ALL

2. STEERING MANIFOLD - FUNCTIONAL TEST

A. General

(1) This task gives the procedures to do a functional test of the steering manifold.

B. References

REFERENCE	*DESIGNATION*
AMM MPP 06-41-01/100	-
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL

C. Zones and Accesses

ZONE	*PANEL/DOOR*	*LOCATION*
114	114CR	Access to the nose hydraulic system compartment

D. Tools and Equipment

ITEM	*DESCRIPTION*	*PURPOSE*	*QTY*
GSE 050	Multimeter		
GSE 355	Steering Manifold Test Harness		

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	Nose hydraulic system compartment
1	Helps the other technician	Cockpit

I. Preparation

SUBTASK 841-002-A

(1) Make sure that the pressure in hydraulic systems No. 1 and No. 2 is fully released (AMM TASK 29-10-00-860-802-A/200).

(2) Make sure that the tow bar is disconnected from the nose landing gear (NLG).

(3) Make sure that the safety pins are installed on the landing gears (AMM TASK 32-00-01-910-801-A/200).

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

(5) Pressurize hydraulic system No. 1 (AMM TASK 29-10-00-860-802-A/200).

(6) Open access door 114CR of the nose hydraulic compartment (AMM MPP 06-41-01/100).

J. Functional Test of the Steering Manifold (Figure 501) (Figure 502)

SUBTASK 720-002-A

(1) Do this check:

(a) On the circuit breaker panel, open the STEER circuit breaker.

(b) Disconnect connector P0053 and install the test harness (GSE 355).

(c) Connect the ammeter (0-20 mA) (GSE 050) in series with pin (E).

(d) On the circuit breaker panel, close the STEER circuit breaker.

(e) Make sure that the servo valve current is 0 ± 0.5 mA.

NOTE: If the servo valve current is not 0 ± 0.5 mA, replace the steering manifold.

(f) Turn the steering handle wheel as far as its left backstop and push it.

Result:

1 Make sure that the servo valve current is 10 ± 2 mA.

NOTE:
- If the servo valve current is not 10 ± 2 mA, replace the steering manifold.
- The nose wheels must not move while performing this task.

(g) Turn the steering handle wheel to its neutral position.

(h) Release the steering handle wheel.

K. Follow-on

SUBTASK 842-002-A

(1) On the circuit breaker panel, close the STEER circuit breaker.

(2) Remove the ammeter.

(3) Remove the test harness.

(4) Connect connector P0053 to the hydraulic control unit.

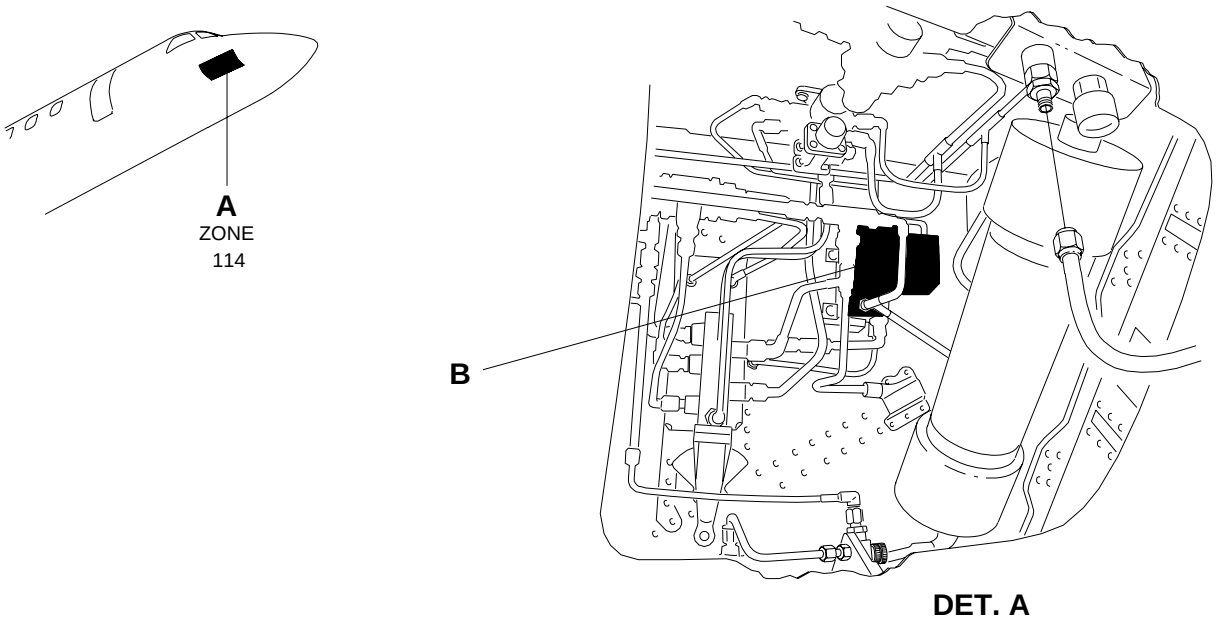
(5) Release all the pressure of hydraulic system No. 1 (AMM TASK 29-10-00-860-802-A/200).

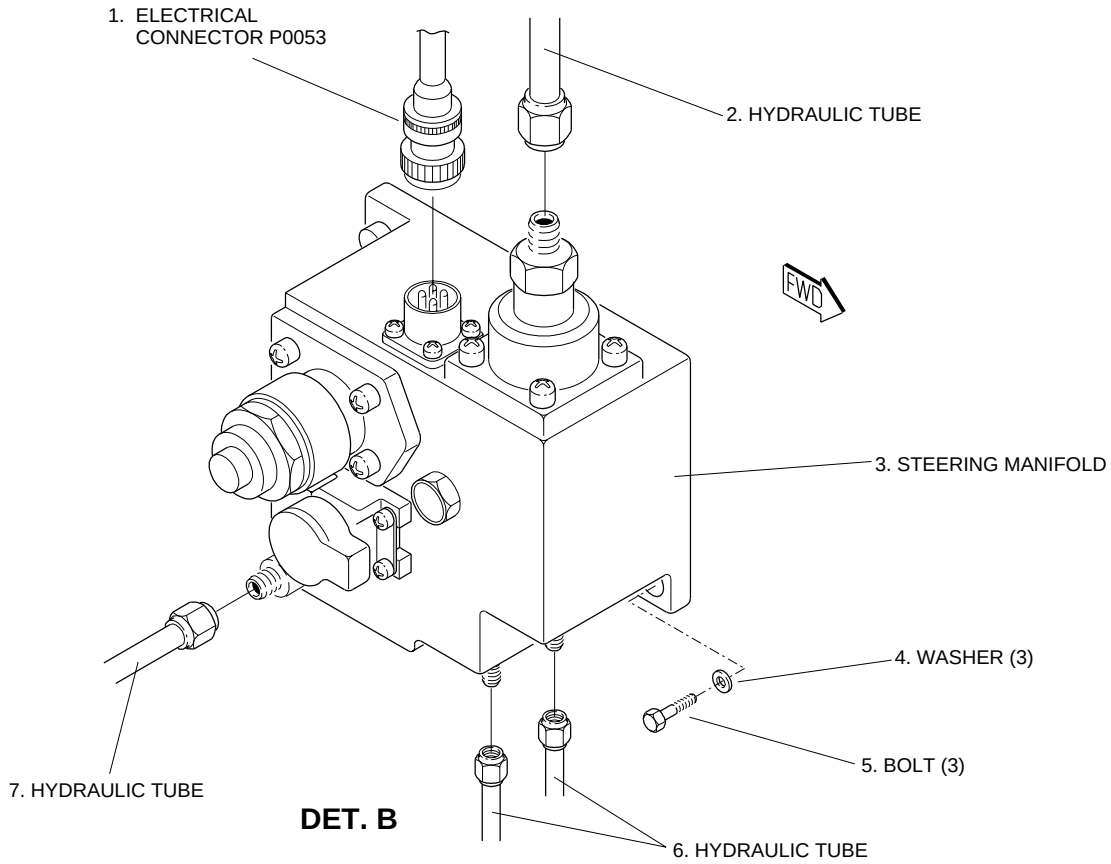
(6) Deenergize the aircraft (AMM TASK 20-40-01-860-801-A/200).

(7) Close access panel 114CR.

EFFECTIVITY: ALL

Steering Manifold - Functional Test
Figure 501





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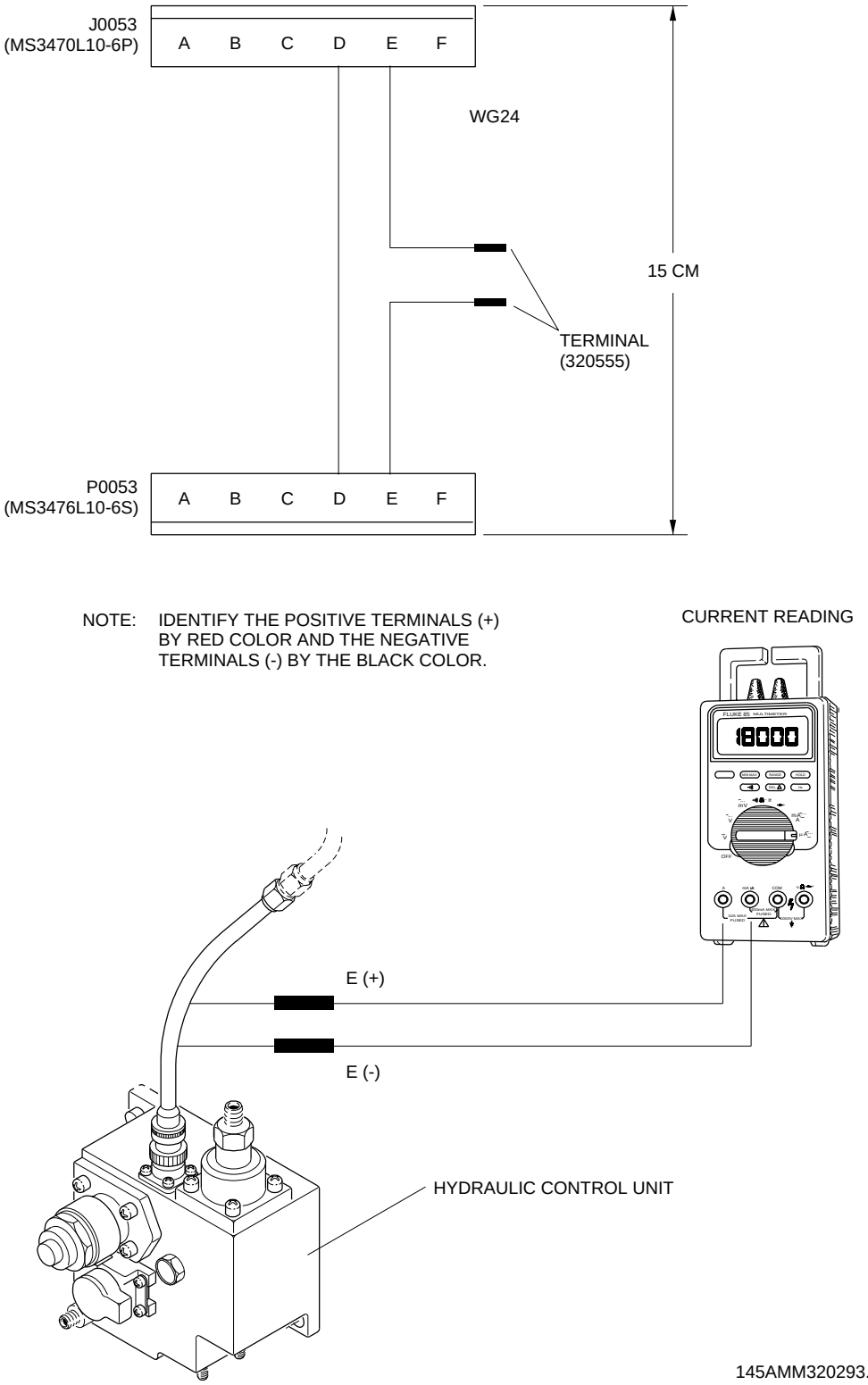
EFFECTIVITY: ALL

Test Harness Assembly and Installation
Figure 502



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