



AIRCRAFT
MAINTENANCE MANUAL

STEERING MANIFOLD - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the steering manifold.
- 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
32-50-04-000-801-A	STEERING MANIFOLD - REMOVAL	ALL
32-50-04-400-801-A	STEERING MANIFOLD - INSTALLATION	ALL



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TASK 32-50-04-000-801-A

EFFECTIVITY: ALL

2. STEERING MANIFOLD - REMOVAL

A. General

- (1) This task gives the procedures to remove the steering manifold.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-00/100	-
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP

C. Zones and Accesses

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

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	Nose hydraulic system compartment

I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the STEER and ELEC PUMP 1 circuit breakers and attach DO-NOT-CLOSE tags to them.
- (2) Make sure that the pressure in hydraulic system No. 1 is fully released ([AMM TASK 29-10-00-860-802-A/200](#)).
- (3) Open access door 114CR (AMM MPP 06-41-00/100).



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J. Removal ([Figure 401](#))

SUBTASK 020-002-A

WARNING: THE HYDRAULIC SYSTEM CONTAINS PHOSPHATE-ESTER HYDRAULIC FLUID. THE FLUID CAN CAUSE IRRITATION IN YOUR SKIN OR INJURY TO YOUR EYES. USE THE APPLICABLE GOGGLES AND RUBBER GLOVES. IF THE FLUID TOUCHES YOU, FLUSH YOUR SKIN WITH WATER. IF IT GETS IN YOUR EYES, FLUSH THEM WITH WATER AND GET MEDICAL HELP.

- (1) Disconnect the electrical connector (1).

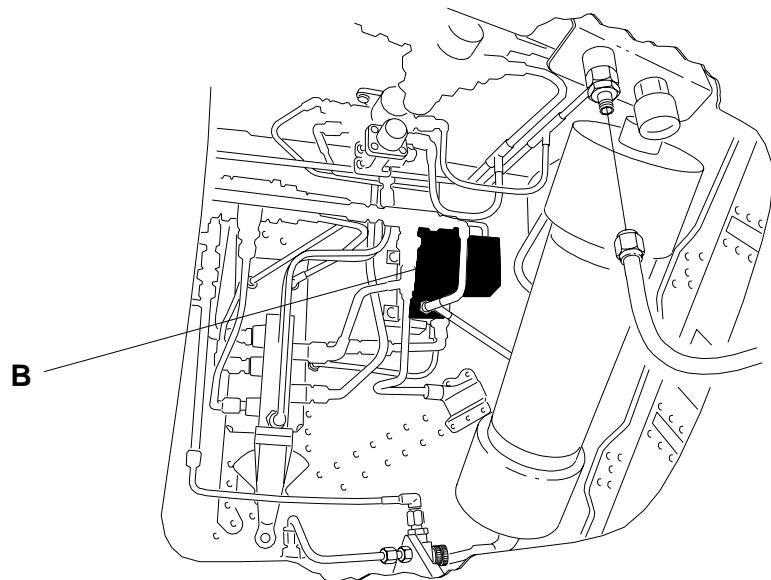
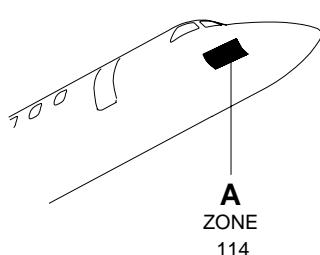
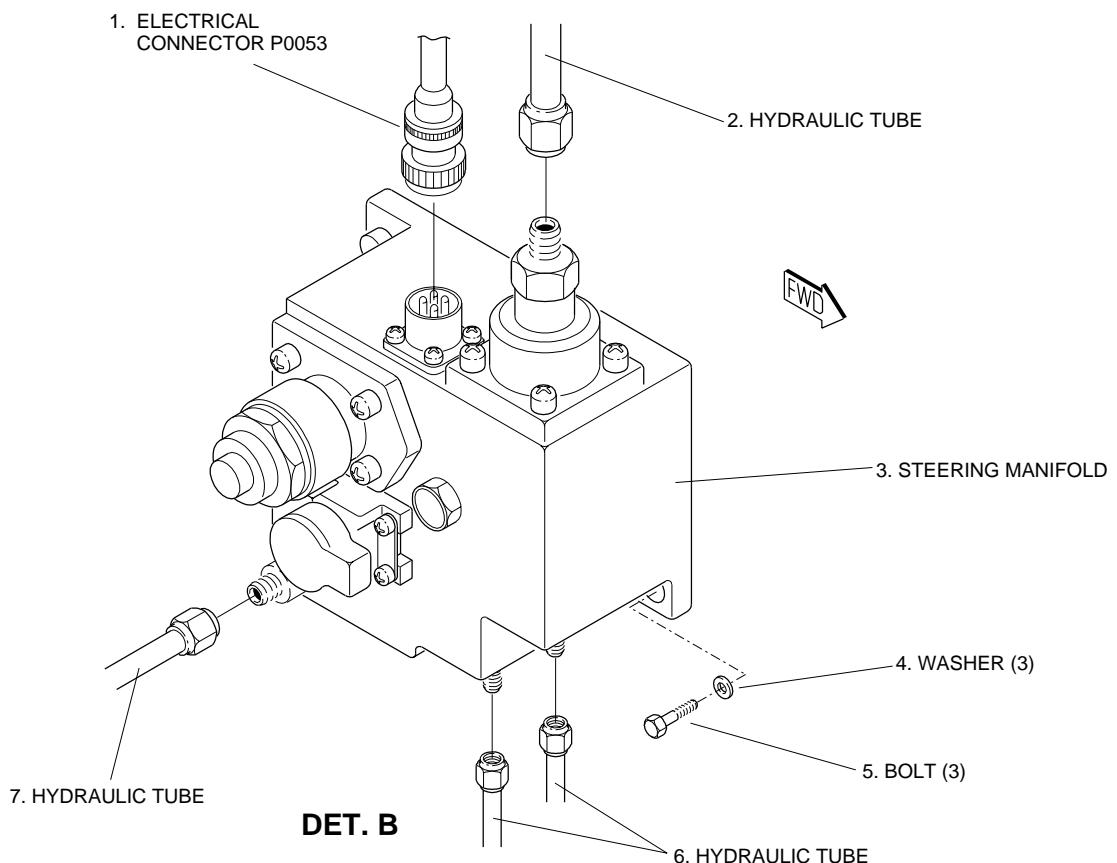
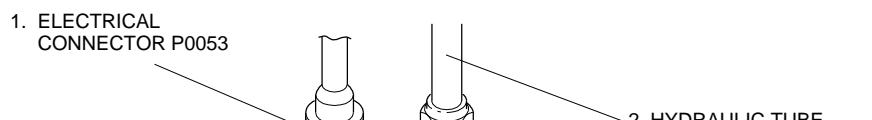
CAUTION: DO NOT LET THE HYDRAULIC FLUID GET IN CONTACT WITH MATERIALS SUCH AS RUBBER, METALS, PLASTIC AND PAINTS. THE HYDRAULIC FLUID CAN DAMAGE THE PARTS.

- (2) Disconnect the hydraulic tubes (2), (6), and (7).

NOTE: A small quantity of hydraulic fluid will flow from the compensator valve when the steering actuator tube (6) is disconnected.

- (3) Remove the bolts (5) and washers (4).

- (4) Remove the steering manifold (3).

EFFECTIVITY: ALL
Steering Manifold - Removal/Installation
Figure 401

DET. A


145AMM320253.MCE B



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TASK 32-50-04-400-801-A

EFFECTIVITY: ALL

3. STEERING MANIFOLD - INSTALLATION

A. General

- (1) This task gives the procedures to install the steering manifold.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 29-10-00-860-803-A/200	HYDRAULIC SYSTEM - BLEED OF AIR
AMM TASK 32-50-00-700-803-A/500	NOSE WHEEL STEERING SYSTEM ACTUATION - OPERATIONAL CHECK

C. Zones and Accesses

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

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	Nose hydraulic system compartment

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the steering manifold (3).
- (2) Install the washers (4) and bolts (5).
- (3) Connect the hydraulic tubes (2), (6), and (7).
- (4) Connect the electrical connector (1).



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J. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, remove the DO-NOT-CLOSE tags from them and close the STEER and ELEC PUMP 1 circuit breakers.
- (2) Do the bleed of air from the hydraulic system lines ([AMM TASK 29-10-00-860-803-A/200](#)).
- (3) Do the operational check of the nose wheel steering system actuation ([AMM TASK 32-50-00-700-803-A/500](#)).
- (4) Close access door 114CR (AMM MPP 06-42-00/100).