

TUBING - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the visual inspection of the hydraulic hoses and tubes.
- 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
29-10-17-200-801-A	HYDRAULIC HOSE AND TUBE - INSPECTION	ALL

TASK 29-10-17-200-801-A

EFFECTIVITY: ALL

2. HYDRAULIC HOSE AND TUBE - INSPECTION

A. General

- (1) There is no wear limit for the tubes. If you find signs of wear, replace or repair the tubes.
- (2) The hoses of the engine driven pump (EDP) have a coat of silicone as a protection for the hoses against high temperatures.
- (3) The hoses of the electrical motor-driven pump (EMDP) do not have special protection.
- (4) The other hoses (aileron PCA, LG actuators, spoiler actuators, brakes, NLG steering, and PAX door) have a coat of polyester (blue color) to protect the hoses against friction.
- (5) There is a specific procedure to inspect the hoses of the aileron actuators ([AMM TASK 27-12-01-200-801-A/600](#)).
- (6) The table below shows the hydraulic components that have hoses.

NOTE: The inspection of the hoses must be done in the area near the installation of the hydraulic components shown in the table below.

Table 601 - HYDRAULIC COMPONENTS THAT HAVE HOSES

COMPONENT	REFERENCE
Aileron PCA	TASK 27-12-01-200-801-A
Spoiler actuators	TASK 27-62-01-000-801-A
NLG steering control	TASK 32-20-01-000-801-A
NLG door actuators	TASK 32-33-03-000-801-A
NLG actuator	TASK 32-33-05-000-801-A
MLG actuators	TASK 32-33-08-000-801-A
NLG unlock actuator	TASK 32-33-06-000-801-A
MLG unlock actuators	TASK 32-33-09-000-801-A
Brakes	TASK 32-49-03-000-801-A
Main door actuator	TASK 52-12-08-000-801-A

B. References

REFERENCE	DESIGNATION
AMM MPP 06-30-00/100	-
AMM MPP 06-41-02/100	-
AMM TASK 20-10-03-300-801-A/800	TUBING - REPAIR
AMM TASK 20-10-04-300-801-A/800	HYDRAULIC HOSE - REPAIR
AMM TASK 27-12-01-200-801-A/600	AILERON PCA HOSES - GENERAL VISUAL INSPECTION
AMM TASK 28-41-00-200-801-A/600	-
CORROSION PREVENTION MANUAL 51-03-00	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
231	231BF and 231CF or 231JF as applicable	Floor in front of the main door
5711 and 6711	Inboard flap lower shroud	Wing

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	Refer to preparation

I. Preparation

SUBTASK 841-002-A

- (1) Remove access panels 231BF and 231CF or 231JF as applicable (AMM MPP 06-41-02/100).
- (2) Open the inboard flap lower shrouds 5711 and 6711 (AMM MPP 06-30-00/100).

J. Inspection

SUBTASK 212-002-A

CAUTION: THE AIRCRAFT HAS DRAINS ALONG ALL ITS SKIN, WHICH PERMITS THE REMOVAL OF ALL LIQUIDS COLLECTED, IF THERE IS A LEAKAGE (REFER TO CORROSION PREVENTION MANUAL 51-03-00).

- (1) Examine the tubes for wear and scores. If the tube(s) is (are) damaged, repair or replace it (them) (AMM TASK 20-10-03-300-801-A/800).
- (2) Examine the hose(s) for wear caused by chafing:
 - (a) If the steel mesh is not damaged, it is not necessary to replace the hose. Identify and prevent the chafing. Then, examine the hose in the subsequent routine check to make sure that you prevented the chafing condition.

NOTE: If the damage occurs with the engine-driven pump hoses, refer to AMM TASK 20-10-04-300-801-A/800 to make the repair.

- (b) If the steel mesh is damaged, prevent the chafing condition and replace the hose.

K. Follow-on

SUBTASK 842-002-A

- (1) Install access panels 231BF and 231CF or 231JF as applicable (AMM MPP 06-41-02/100).
- (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 part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

- (3) Close the inboard flap lower shrouds 5711 and 6711 (AMM MPP 06-30-00/100).