



## AIRCRAFT MAINTENANCE MANUAL

### BRAKE SHUTTLE VALVE - ADJUSTMENT/TEST

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to do the operational check of the brake shuttle 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
32-49-07-700-801-A ♦	BRAKE SHUTTLE VALVE - OPERATION- AL CHECK	ALL



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TASK 32-49-07-700-801-A

EFFECTIVITY: ALL

2. BRAKE SHUTTLE VALVE - OPERATIONAL CHECK

A. General

- (1) Do the check of the brake shuttle valve with the aircraft on the ground or on the jacks. With the aircraft in ground condition, put the chocks at the MLG wheels.

B. References

REFERENCE	DESIGNATION
AMM TASK 07-10-00-500-801-A/200	-
AMM TASK 07-10-00-500-802-A/200	-
AMM TASK 10-10-01-500-801-A/200	AIRCRAFT NORMAL PARKING
AMM TASK 29-10-00-860-801-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH HTS
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

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-L-87177	Lektro-Tech Super Corr-B-12350	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	LH and RH MLG
1	Helps the other technician	Cockpit

I. Preparation

**SUBTASK 841-002-A**

- (1) Lift the aircraft on jacks (AMM TASK 07-10-00-500-801-A/200) "or" keep the aircraft on ground and put the chocks at the landing gears wheels ( [AMM TASK 10-10-01-500-801-A/200](#)).

- (2) Make sure that the landing gear safety pins are installed on the LH and RH MLG ([AMM TASK 32-00-01-910-801-A/200](#)).
- (3) Pressurize the hydraulic system 1 and 2 ([AMM TASK 29-10-00-860-801-A/200](#)).
- (4) If the aircraft is on the jacks, remove the electrical connectors of the air/ground proximity switches related to the MLG and NLG "or" open de air/ground circuit breakers B and D. It is to keep the aircraft in "ground" condition.

**J. Operationally Check Brake Shuttle Valve ([Figure 501](#))**

**SUBTASK 710-002-A**

- (1) Do the check of the brake shuttle valve below:
  - (a) Operate the pilot or co-pilot brake pedals.  
 Result:  
 1 The MLG wheels are locked.  

NOTE: If the aircraft is in ground condition, make sure that the brake actuating pistons of all brake assemblies are in operation.
  - (b) Release the brake pedals.  
 Result:  
 1 The MLG wheels are unlocked.  

NOTE: If the aircraft is in ground condition, make sure that the brake actuating pistons of all brake assemblies are not in operation.
  - (c) Operate the emergency/parking brake handle.  
 Result:  
 1 The MLG wheels are locked.  

NOTE: • If the aircraft is in ground condition, make sure that the brake actuating pistons of all brake assemblies are in operation.  
 • To prevent hydraulic fluid transference from system 1 to system 2 or vice versa, first apply brakes with the pedals and then pull or release the emergency/parking brake handle.
  - (d) Release the emergency/parking brake handle.  
 Result:  
 1 The MLG wheels are unlocked.  

NOTE: • If the aircraft is in ground condition, make sure that the brake actuating pistons of all brake assemblies are not in operation.  
 • To prevent hydraulic fluid transference from system 1 to system 2 or vice versa, first apply brakes with the pedals and then pull or release the emergency/parking brake handle.

**K. Follow-on**

**SUBTASK 842-002-A**

- (1) Depressurize the hydraulic system 1 and 2 ([AMM TASK 29-10-00-860-801-A/200](#)).



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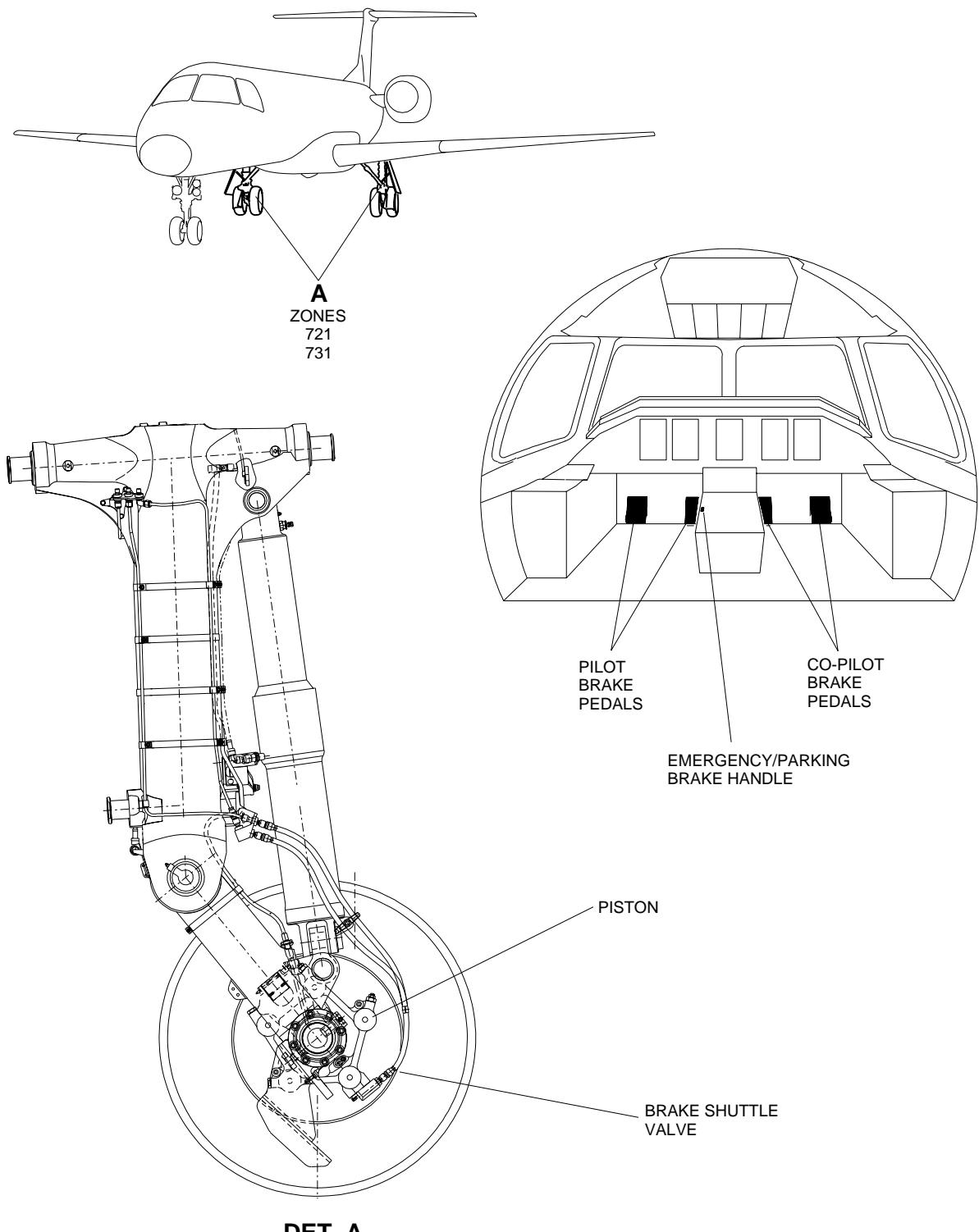
- (2) If applicable, lower the aircraft and remove the jacks (AMM TASK 07-10-00-500-802-A/200).
- (3) If applicable, Install the electrical connectors of the airground proximity switches related to the MLG and NLG.

**NOTE:** Before the installation of the connector, apply the Lektro-Tech Super Corr-B-12350 into the plug connector to prevent corrosion and to clean the contacts.
- (4) If applicable, remove the chocks ([AMM TASK 10-10-01-500-801-A/200](#)).
- (5) If applicable, close the air/ground B and D circuit breakers.

**EFFECTIVITY: ALL**

Brake Shuttle Valve - Operational Check

Figure 501



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