



## AIRCRAFT MAINTENANCE MANUAL

### LANDING GEAR CONTROL LEVER - ADJUSTMENT/TEST

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedure to do the check of the landing-gear control-lever solenoid and of the downlock release button.
- 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
32-32-02-700-801-A ♦	LG CONTROL LEVER SOLENOID AND DOWNLOCK RELEASE BUTTON - OPERATIONAL CHECK	ALL



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 32-32-02-700-801-A

EFFECTIVITY: ALL

2. LG CONTROL LEVER SOLENOID AND DOWNLOCK RELEASE BUTTON - OPERATIONAL CHECK

A. General

- (1) This procedure gives instructions to do the check of the landing-gear control-lever solenoid and of the downlock release button.

B. References

REFERENCE	DESIGNATION
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 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

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) Make sure that the landing gear safety pins are installed ( [AMM TASK 32-00-01-910-801-A/200](#)).
- (2) Lift the aircraft on jacks. Refer to AMM TASK 07-10-00-500-801-A/200.
- (3) Make sure that the AIR/GND B and D circuit breakers are closed.
- (4) Open the ELEC PUMP (hydr sys 1) circuit breaker.
- (5) Make sure that the hydraulic test stand is disconnected from hydraulic system 1.

- (6) Energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (7) Make sure that the LG control lever can be moved to the UP position and then moved it back to the DN position.

J. Operationally Check Solenoid and Downlock Release Button of the Landing Gear Control Lever ([Figure 501](#))

**SUBTASK 710-002-A**

- (1) Do the check below:
  - (a) Open the AIR/GND B circuit breaker.
  - (b) Try to move the LG control lever to the UP position.  
Result:  
1 The LG control lever does not move to the UP position.
  - (c) Close AIR/GND B circuit breaker.
  - (d) Try to move the LG control lever to the UP position.  
Result:  
1 The LG control lever move to the UP position.
  - (e) Set the LG control lever to the DN position.
  - (f) Open the AIR/GND D circuit breaker.
  - (g) Try to move the LG control lever to the UP position.  
Result:  
1 LG control lever does not move to the UP position.
  - (h) Close the AIR/GND D circuit breaker.
  - (i) Try to move the LG control lever to the UP position.  
Result:  
1 LG control lever move to the UP position.
  - (j) Set the LG control lever to the DN position.
  - (k) Open the AIR/GND B circuit breaker.
  - (l) Push the DN LOCK REL red pushbutton and keep it in this position.
  - (m) Try to move the LG control lever to the UP position.  
Result:  
1 LG control lever move to the UP position.
  - (n) Set the LG control lever to the DN position.
  - (o) Close AIR/GND B circuit breaker.
  - (p) Open the AIR/GND D circuit breaker.
  - (q) Push the DN LOCK REL red pushbutton and keep it in this position.
  - (r) Try to move the LG control lever to the UP position.  
Result:  
1 The LG control lever move to UP position.
  - (s) Set the LG control lever to the DN position.



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

- (t) Close the AIR/GND D circuit breaker.

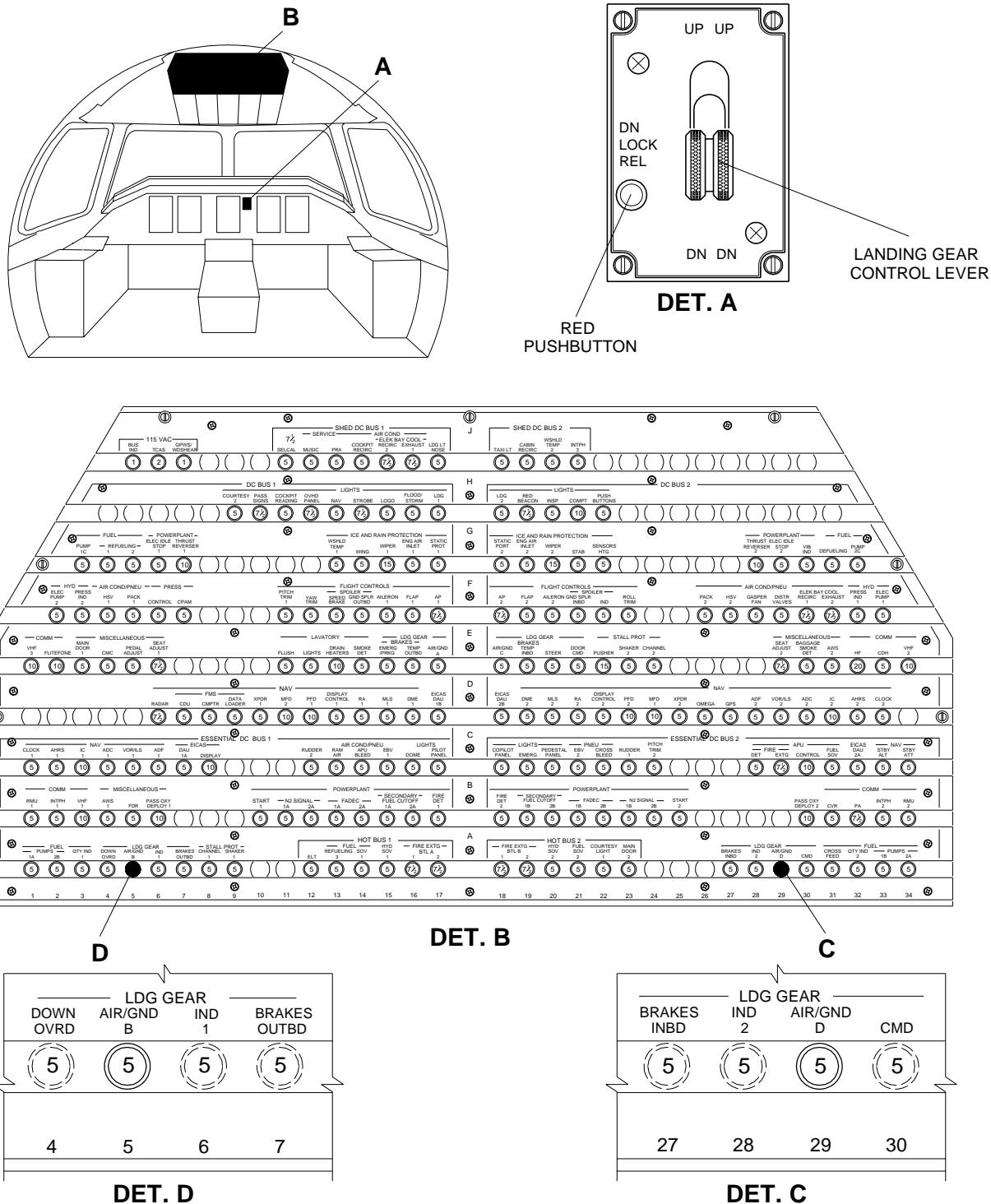
K. Follow-on

SUBTASK 842-002-A

- (1) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (2) Close the ELEC PUMP (hydr sys 1) circuit breaker.
- (3) Lower the aircraft and remove the jacks (AMM TASK 07-10-00-500-802-A/200).

**EFFECTIVITY: ALL**

LG Control Lever Solenoid and Downlock Release Button - Operational Check  
Figure 501



EM145AMM320687A.DGN

