



AIRCRAFT MAINTENANCE MANUAL

NOSE-LANDING-GEAR LEG - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to do an inspection on the nose landing gear for general condition.
- 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
32-20-01-200-801-A ♦	NLG - INSPECTION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 32-20-01-200-801-A

EFFECTIVITY: ALL

2. NLG - INSPECTION

A. General

- (1) Use this procedure to do the inspection on the NLG for general condition.

B. References

REFERENCE	DESIGNATION
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
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
S.B. 145-32-0111	-
SB145-32-0036	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Pressure Gage (Range 1000 psi)	To verify the pressure	
Commercially available	Metal Ruler	To measure dimension "H"	

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	NLG

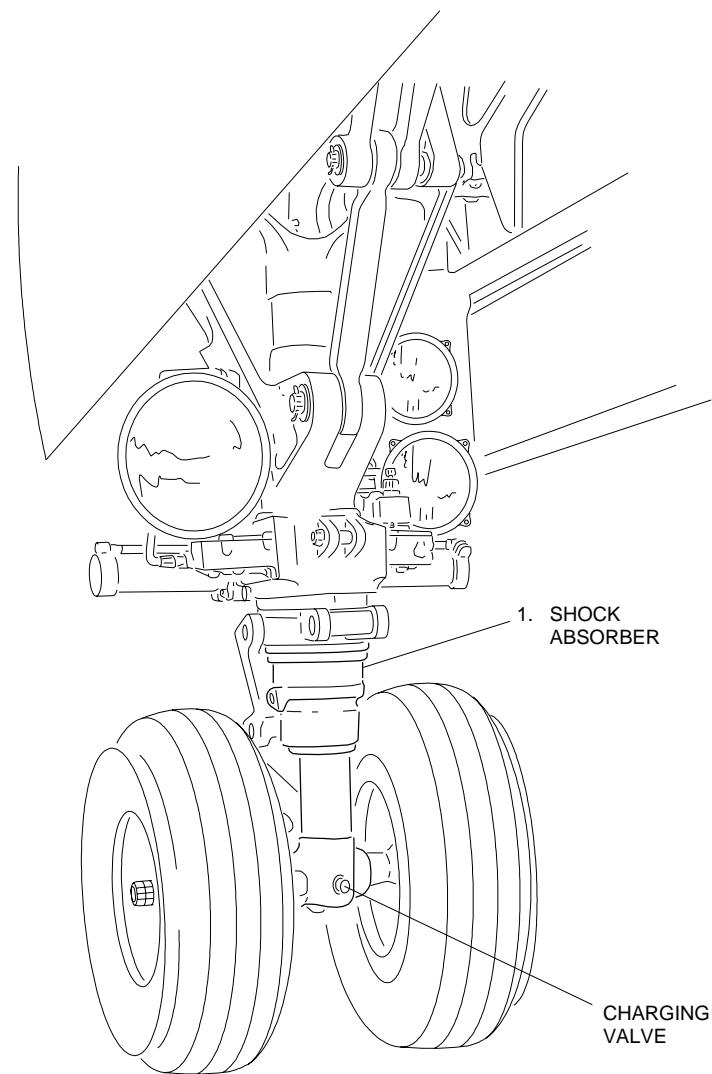
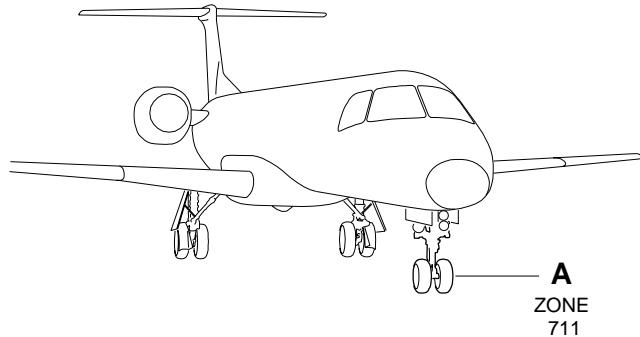
I. Preparation

SUBTASK 841-002-A

- (1) For aircraft PRE-MOD SB145-32-0036, make sure that the pressure in hydraulic system No. 1 is fully released (AMM TASK 29-10-00-860-802-A/200).

- (2) For aircraft POST-MOD **SB145-32-0036**, install the safety pin of the NLG doors solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
 - (3) Make sure that the nose landing gear safety pin is installed ([AMM TASK 32-00-01-910-801-A/200](#)).
 - (4) Connect the pressure gage to the charging valve.
- J. Visually Check Nose Landing Gear and Spring Cartridges for Condition and Shock Absorber Extension ([Figure 601](#)) ([Figure 602](#)) ([Figure 603](#)) ([Figure 604](#))
- SUBTASK 211-002-A**
- (1) Do an inspection on the NLG shock absorber (1) for general condition ([Figure 601](#)).
 - (2) Do the check of the "H" height. Refer to the instructions in [Figure 602](#) for aircraft PRE-MOD **S.B. 145-32-0111** and, in [Figure 603](#) for aircraft POST-MOD **S.B. 145-32-0111**.
 - (3) Inspect the spring cartridges for general conditions and make sure that the spring is not broken and that the spring attachment points are not damaged ([Figure 604](#)).
- K. Follow-on
- SUBTASK 842-002-A**
- (1) Remove the pressure gage from the charging valve.
 - (2) For aircraft POST-MOD **SB145-32-0036**, remove safety pin of the NLG doors solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).

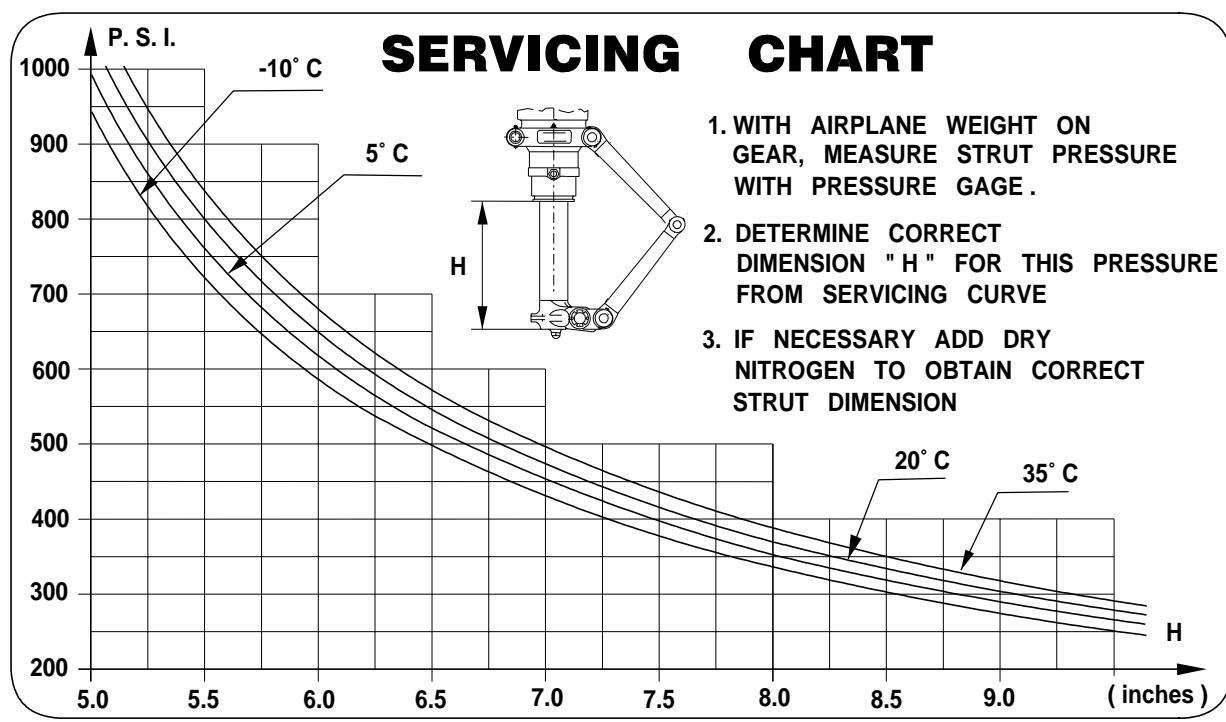
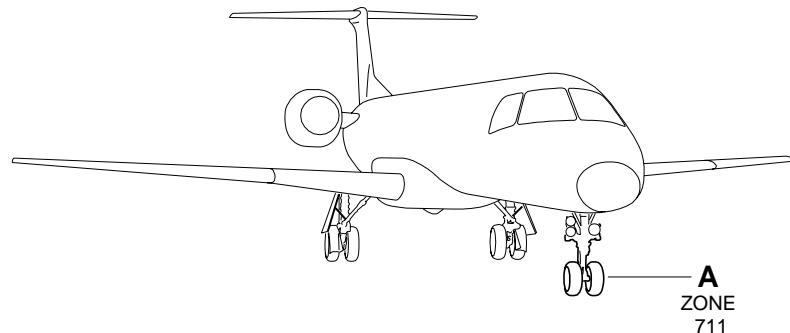
EFFECTIVITY: ALL
NLG - Inspection
Figure 601



DET. A

145AMM320073.MCE A

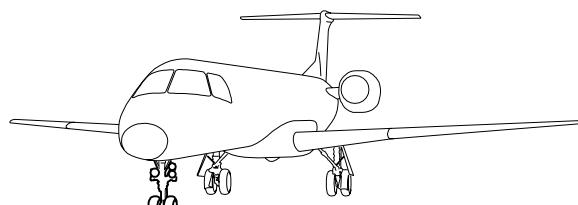
EFFECTIVITY: PRE-MOD SB 145-32-0111
Height of the NLG Shock Absorber
Figure 602



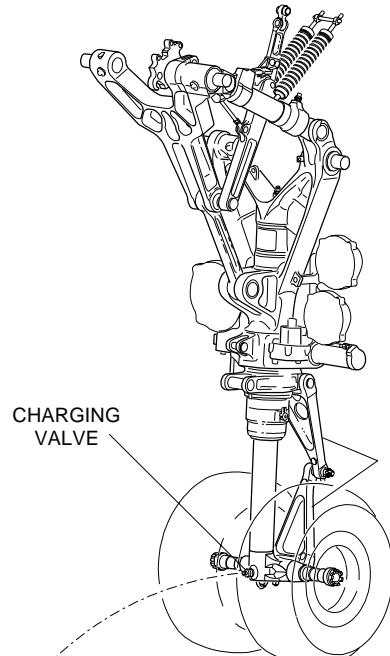
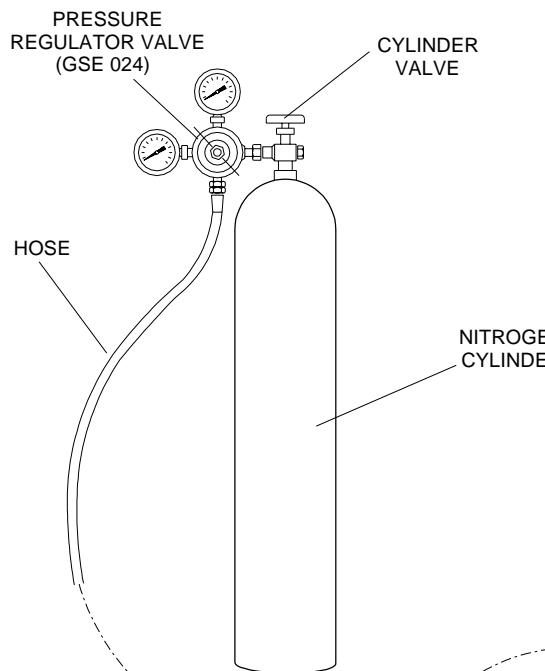
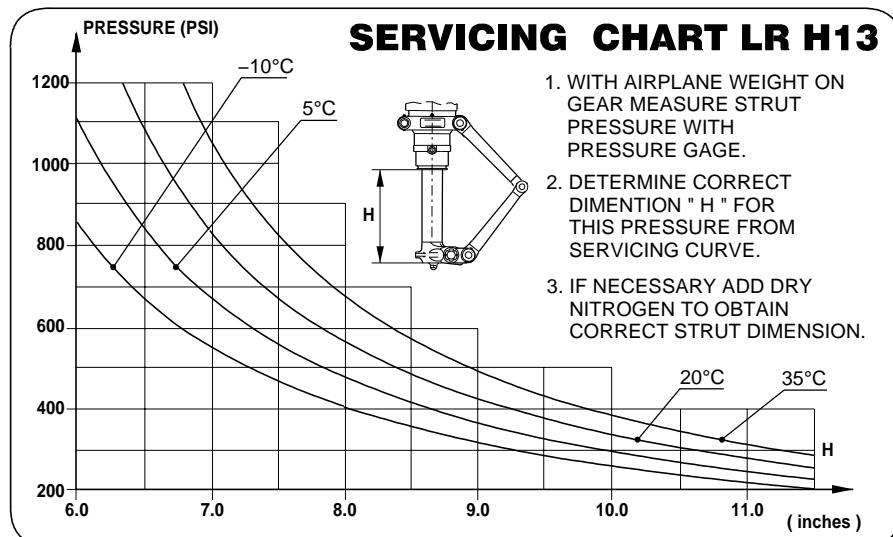
EFFECTIVITY: POST-MOD SB 145-32-0111

Height of the NLG Shock Absorber

Figure 603



A
ZONE
711



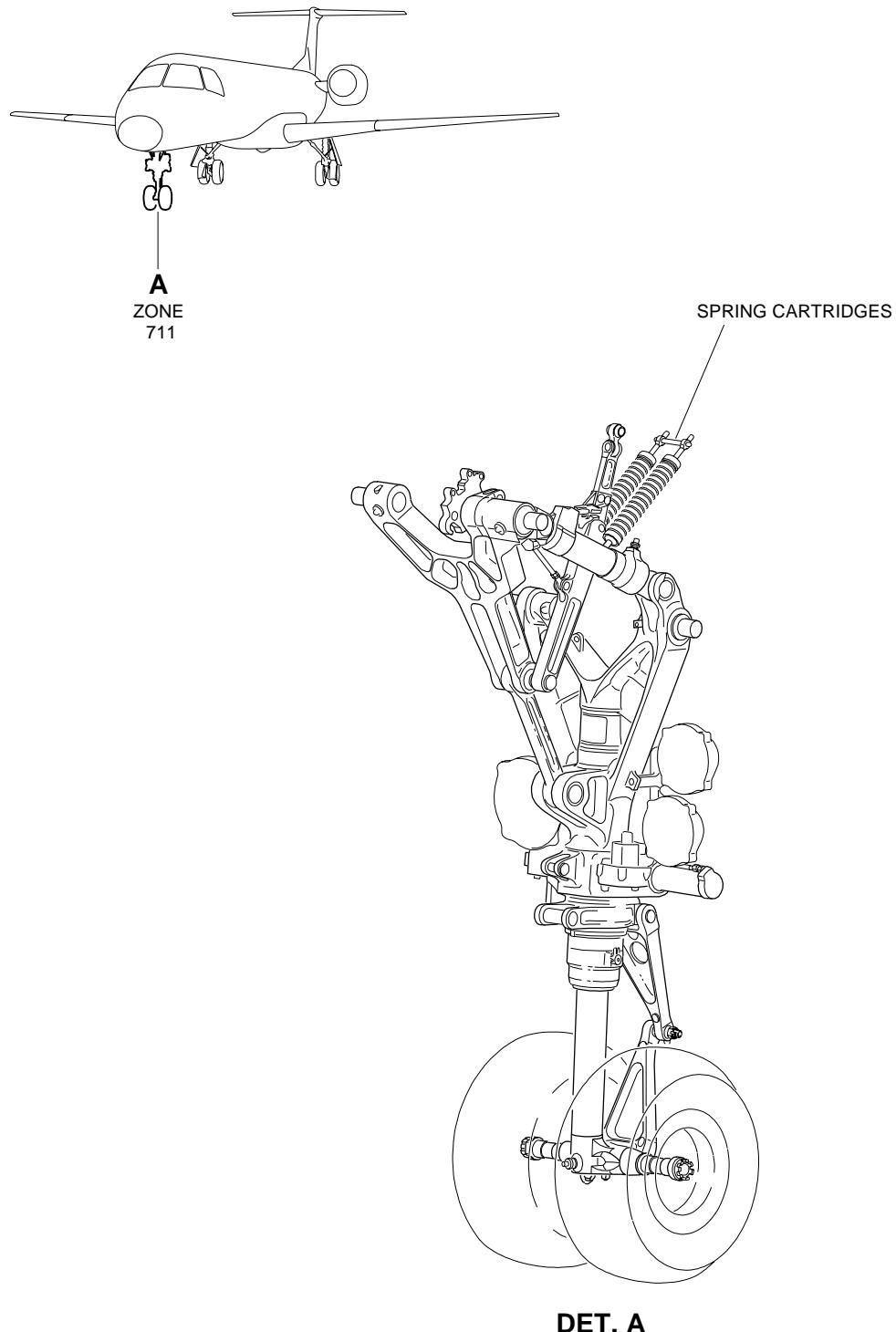
DET. A

EM145AMM320526A.DGN

EFFECTIVITY: ALL

NLG Spring Cartridges - Inspection

Figure 604



DET. A

145AMM320481.MCE

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32-20-01

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