



AIRCRAFT MAINTENANCE MANUAL

RESTRICTOR VALVE - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to remove/install the restrictor valve.
- B. The access to the restrictor valve is got through the NLG compartment.
- C. 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
32-33-12-000-801-A	RESTRICTOR VALVE - REMOVAL	ALL
32-33-12-400-801-A	RESTRICTOR VALVE - INSTALLATION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 32-33-12-000-801-A

EFFECTIVITY: ALL

2. RESTRICTOR VALVE - REMOVAL

A. General

- (1) This task gives the procedure to remove the restrictor valve.

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
SB145-32-0036	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Gloves, Phosphate Ester-Base, Fluid-Resistant	Protection for the hands	1
Commercially available	Rubber Goggles, Phosphate Ester-Base, Fluid-Resistant	Protection for the eyes	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Nose gear compartment

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 door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

- (3) On the circuit breaker panel, open the ELEC PUMP 1 and CMD circuit breakers and attach a DO-NOT-CLOSE tag to them.
- (4) Make sure that the landing gear safety pins are installed ([AMM TASK 32-00-01-910-801-A/200](#)).

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

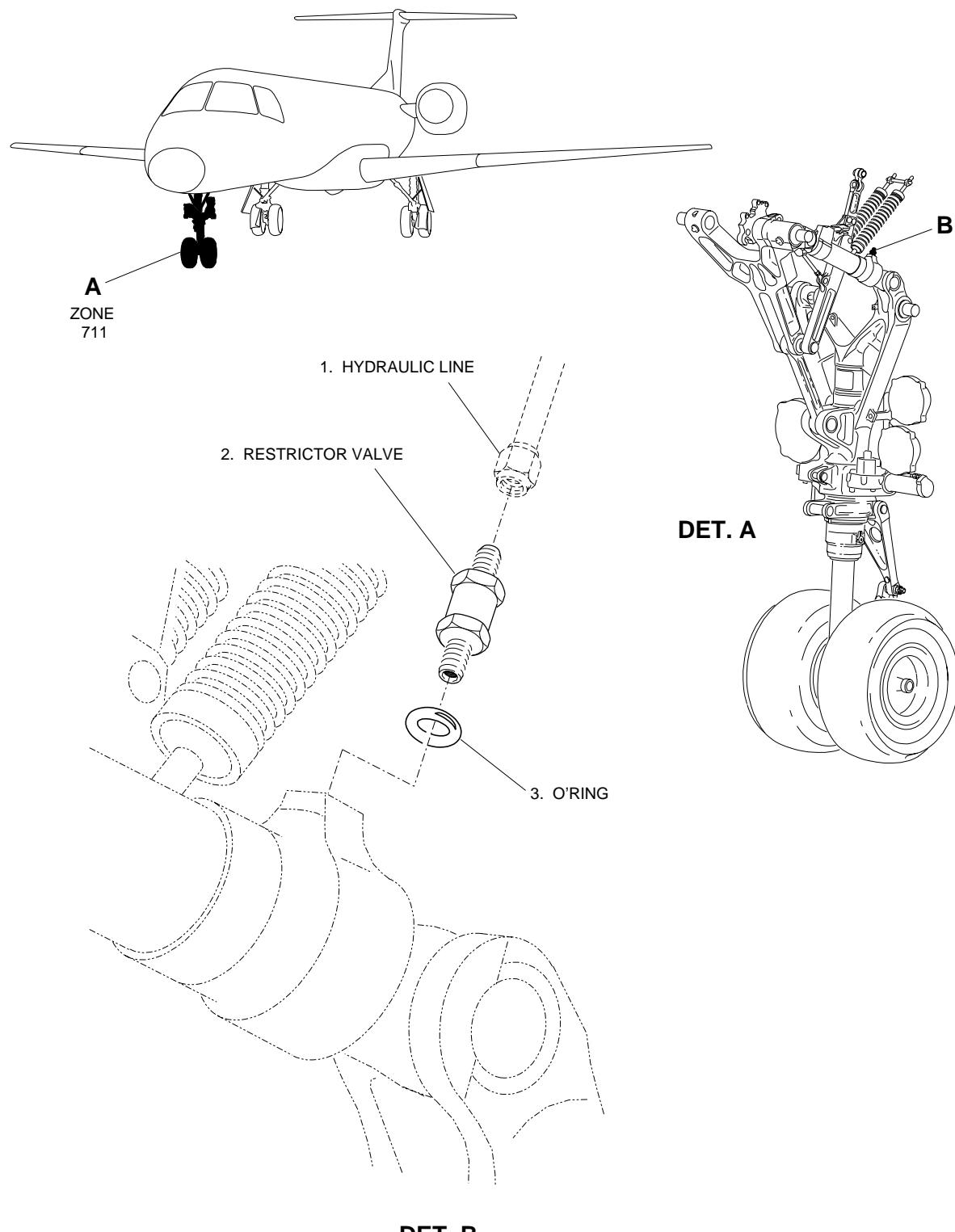
SUBTASK 020-002-A

- (1) Disconnect the hydraulic lines (1).
- (2) Remove the used restrictor valve (2) with the related O-ring (3).
- (3) Discard the O-ring (3) removed in step (2).

EFFECTIVITY: ALL

Restrictor Valve - Removal/Installation

Figure 401



DET. B

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EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 32-33-12-400-801-A

EFFECTIVITY: ALL

3. RESTRICTOR VALVE - INSTALLATION

A. General

(1) This task gives the procedures for installation of the restrictor valve.

B. References

REFERENCE	DESIGNATION
AMM TASK 29-10-00-860-803-A/200	HYDRAULIC SYSTEM - BLEED OF AIR
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
AMM TASK 32-30-00-700-801-A/500	EXTENSION AND RETRACTION SYSTEM - OPERATIONAL CHECK
IPC 32-33-12	RESTRICTOR VALVE
SB145-32-0036	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Gloves, Phosphate Ester-Base, Fluid-Resistant	Protection for the hands	1
Commercially available	Rubber Goggles, Phosphate Ester-Base, Fluid-Resistant	Protection for the eyes	1

F. Consumable Materials

Not Applicable

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 32-33-12	1

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Nose gear compartment



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the restrictor valve (2) with the related new O-ring (3) to the NLG actuator body.
- (2) Connect the hydraulic lines (1).

J. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the ELEC PUMP 1 and CMD circuit breakers and remove the DO-NOT-CLOSE tag from them.
- (2) Bleed the air from the hydraulic system lines ([AMM TASK 29-10-00-860-803-A/200](#)).
- (3) For aircraft POST-MOD [SB145-32-0036](#), remove the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (4) Do the operational check of the landing gear (extension/retraction cycle). Make sure that there are no leaks in the restrictor valve ([AMM TASK 32-30-00-700-801-A/500](#)).