



AIRCRAFT MAINTENANCE MANUAL

CHARGING VALVE - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the charging valve of the hydraulic accumulator of the Emergency/Parking Brake system.
- 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
32-44-03-000-801-A	CHARGING VALVE OF THE HYDRAULIC ACCUMULATOR OF THE EMERGENCY/ PARKING BRAKE SYSTEM - REMOVAL	ALL
32-44-03-400-801-A	CHARGING VALVE OF THE HYDRAULIC ACCUMULATOR OF THE EMERGENCY/ PARKING BRAKE SYSTEM - INSTALLA- TION	ALL



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TASK 32-44-03-000-801-A

EFFECTIVITY: ALL

2. CHARGING VALVE OF THE HYDRAULIC ACCUMULATOR OF THE EMERGENCY/PARKING BRAKE SYSTEM - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the charging valve of the hydraulic accumulator of the Emergency/Parking Brake system.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 32-44-02-910-801-A/200	HYDRAULIC ACCUMULATOR EMERGENCY/PARKING BRAKE - RELEASE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193JR	Hydraulic compartment 2

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	Hydraulic compartment 2

I. Preparation ([Figure 401](#))

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the ELEC PUMP 2 circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) Open access panel 193JR of hydraulic compartment 2 (AMM MPP 06-41-01/100).
- (3) Fully release the pressure from the fluid chamber of the emergency/parking brake system hydraulic accumulator ([AMM TASK 32-44-02-910-801-A/200](#)).
- (4) Slowly open the charging valve of the hydraulic accumulator to let all pressure in it go out.



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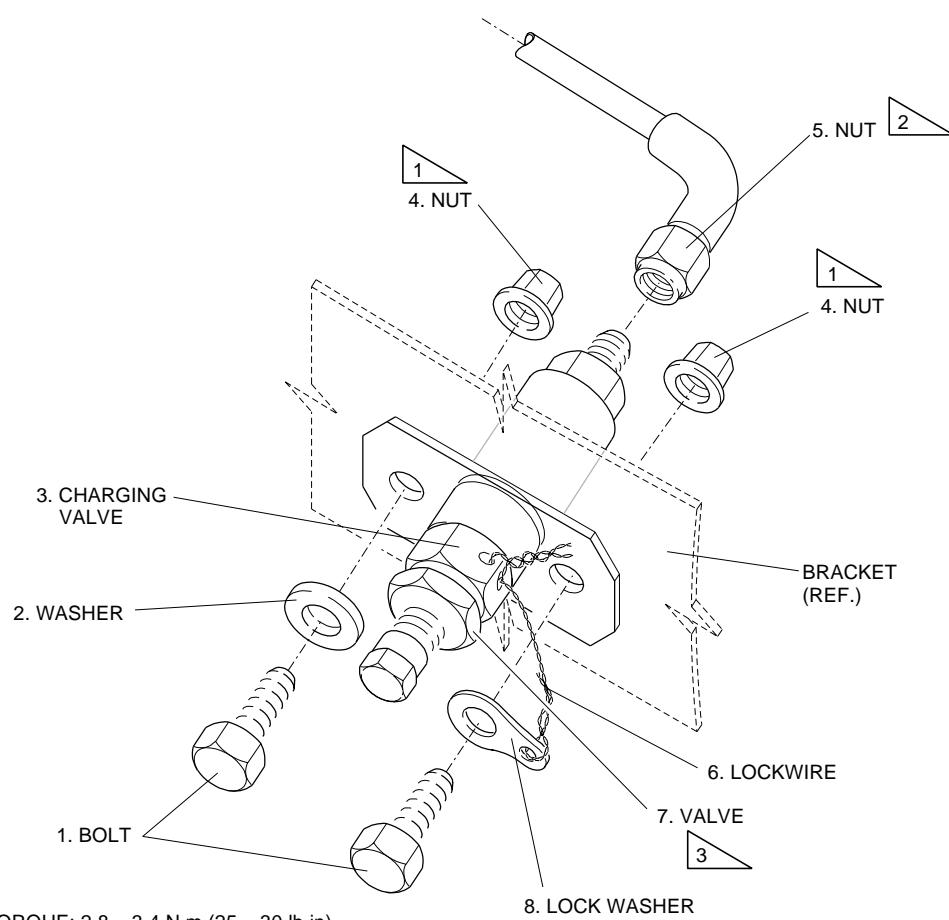
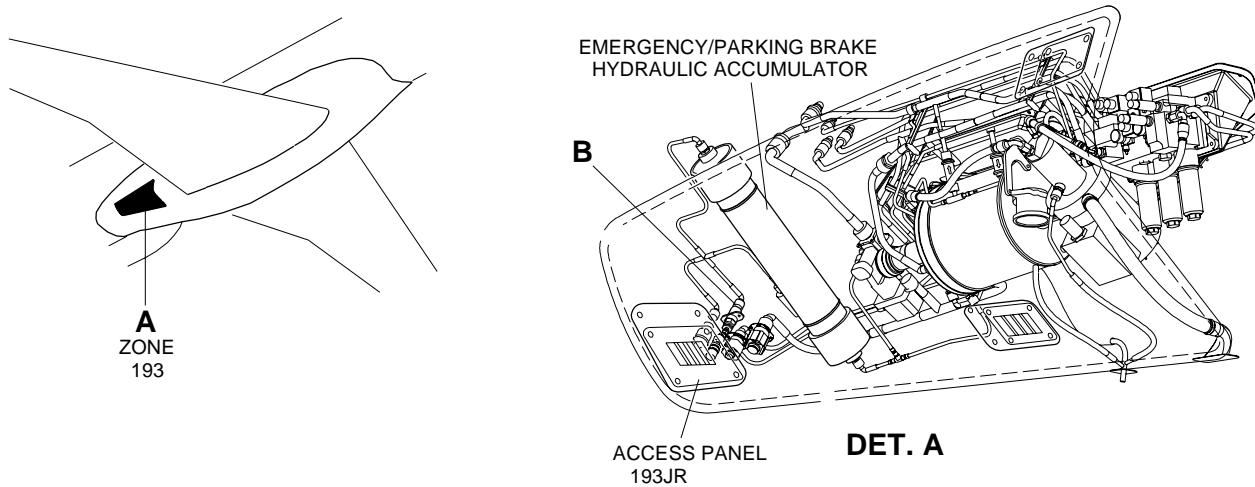
J. Removal ([Figure 401](#))

SUBTASK 020-002-A

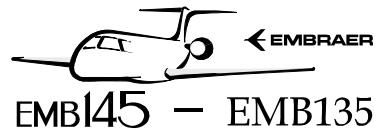
- (1) Remove the lockwire (6).
- (2) Disconnect the nut (5).
- (3) Remove the bolts (1), the washer (2) and the lock washer (8).
- (4) Remove the charging valve (3).

EFFECTIVITY: ALL

Charging Valve of the Hydraulic Accumulator of the Emergency/Parking Brake System - Removal/
Installation
Figure 401


DET. B

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TASK 32-44-03-400-801-A

EFFECTIVITY: ALL

3. CHARGING VALVE OF THE HYDRAULIC ACCUMULATOR OF THE EMERGENCY/PARKING BRAKE SYSTEM - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the charging valve of the hydraulic accumulator of the emergency/parking brake system.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 29-10-00-860-801-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH HTS
AMM TASK 32-44-02-600-801-A/300	EMERGENCY/PARKING BRAKE ACCUMULATOR - CHARGE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193JR	Hydraulic compartment 2

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS28775-015	O-ring	1 (If necessary)
MIL-G-46886	Molykote DC33 Light Grease	AR
MS20995C32	Lockwire	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Hydraulic compartment 2



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I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the charging valve (3) in the bracket (REF.).
- (2) Attach one of the bolts (1) with the washer (2) in the nut (4) and attach the other bolt (1) with the lock washer (8) in the other nut (4). Apply a torque of 2.8 to 3.4 N.m (25 to 30 lb.in) to the two bolts (1).
- (3) Connect the nut (5) in the charging valve (3). Apply a torque of 10.7 to 11.9 N.m (95 to 105 lb.in).
- (4) Install the lockwire (6) in the lock washer (8) and in the charging valve (3).

J. Follow-on

SUBTASK 842-002-A

- (1) Pressurize the nitrogen chamber of the hydraulic accumulator ([AMM TASK 32-44-02-600-801-A/300](#)).
- (2) On the circuit breaker panel, close the ELEC PUMP 2 circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (3) Pressurize hydraulic system 2 ([AMM TASK 29-10-00-860-801-A/200](#)).
- (4) Do a check on the charging valve for leaks.
- (5) Close access panel 193JR of hydraulic compartment 2 (AMM MPP 06-41-01/100).