

## CHARGING VALVE - REMOVAL/INSTALLATION

*EFFECTIVITY: ACFT MODEL(S) EMB-135*

### 1. General

- A. This section gives the procedures to remove/install the charging 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
35-10-08-000-801-A	CHARGING VALVE - REMOVAL	ACFT MODEL(S) EMB-135
35-10-08-400-801-A	CHARGING VALVE - INSTALLATION	ACFT MODEL(S) EMB-135

TASK 35-10-08-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

## 2. CHARGING VALVE - REMOVAL

### A. General

- (1) This task gives the procedure to remove the charging valve.
- (2) The charging valve is installed on the oxygen servicing panel, on the right side of the aircraft nose section.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM MPP 06-41-03/100</a>	- COMPONENT LOCATION
AMM TASK 25-26-02-000-802-A/400	-
AMM TASK 35-10-00-910-801-A/200	-
AMM TASK 35-10-00-910-803-A/200	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
124	124AR	Right side of the aircraft nose section
224	224LZ	Cockpit
224	224QZ	Cockpit
232	-	Closeout panel

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

Not Applicable

### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Commercially available	Plastic caps	AR

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Right side of the aircraft nose section

I. Preparation

*SUBTASK 841-009-B*

- (1) Obey the safety precautions (AMM TASK 35-10-00-910-801-A/200) and general instructions (AMM TASK 35-10-00-910-803-A/200).
- (2) Open access door 224LZ ( [AMM MPP 06-41-03/100](#)). Refer to [Figure 401](#).

*SUBTASK 841-010-A*

*EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS*

- (3) Obey the safety precautions (AMM TASK 35-10-00-910-801-A/200) and general instructions (AMM TASK 35-10-00-910-803-A/200).
- (4) Remove access panel 224QZ ( [AMM MPP 06-41-03/100](#)). Refer to [Figure 402](#).
- (5) Remove the closeout panel (AMM TASK 25-26-02-000-802-A/400).
- (6) Close the cylinder pressure regulators.

J. Removal ([Figure 401](#)) ([Figure 402](#))

*SUBTASK 020-009-B*

- (1) Refer to [Figure 401](#).
- (2) Cut the lockwire and close the cylinder pressure-regulator.
- (3) Cut the lockwire and disconnect the capillary line (which supplies the pressure transducer with the cylinder pressure) from the cylinder pressure-regulator.

NOTE: A small quantity of oxygen can flow out when you disconnect the capillary line.

- (4) Open access door (7) 124AR (AMM MPP 06-41-01/100).
- (5) Disconnect the charging tubing connection (1).
- (6) Disconnect the pressure gauge tubing connection (15).
- (7) Remove the screws (6) and washers (5) from the oxygen servicing panel (11).
- (8) Remove the oxygen servicing panel (11) together with the charging valve (8) and pressure gauge (12).
- (9) Disconnect the charging valve connection (14).
- (10) Remove the nuts (2), washer (3), and screw (10) from the charging valve (4).
- (11) Remove the charging valve (4) from the oxygen servicing panel (11).
- (12) Install plastic caps to the open connections.

*SUBTASK 020-010-A*

*EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS*

- (13) Refer to [Figure 402](#).

- (14) Cut the lockwire and disconnect the capillary line (which supplies the pressure transducer with the cylinder pressure) from the cylinder pressure-regulator.

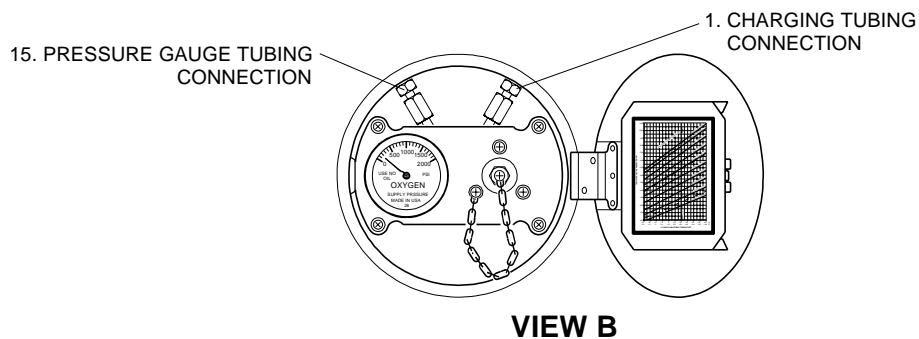
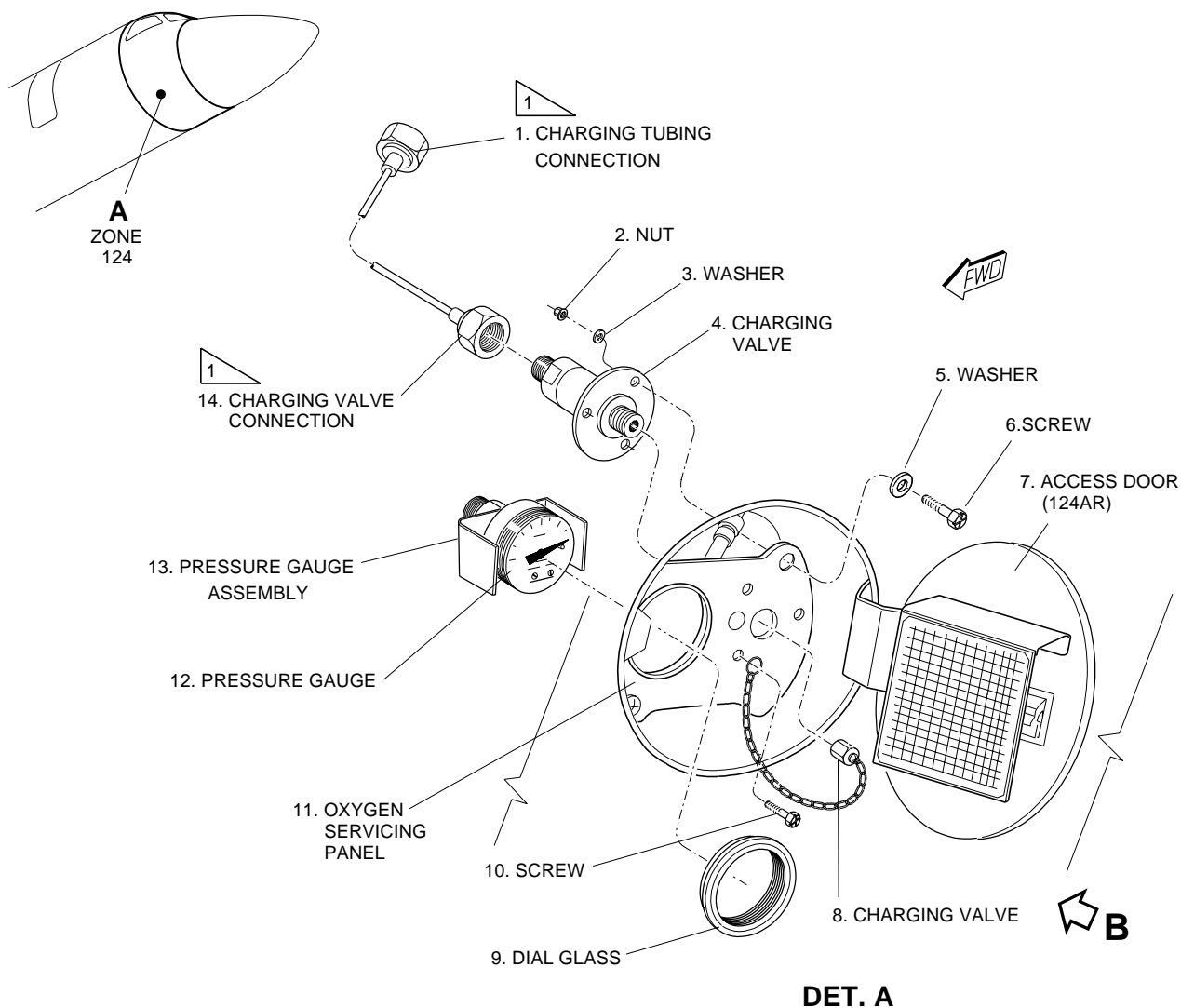
NOTE: A small quantity of oxygen can flow out when you disconnect the capillary line.

- (15) Open access door 124AR (AMM MPP 06-41-01/100).
- (16) Disconnect the charging tubing connections (12) and (13).
- (17) Disconnect the pressure gauge tubing connections (14) and (15).
- (18) Remove the screws (5) and washers (6) from the oxygen servicing panel (7).
- (19) Remove the oxygen servicing panel (7) with the charging valve (2) and pressure gauge (8).
- (20) Disconnect the charging valve connection (11).
- (21) Remove the nuts (10), washers (9), and screws (3) from the charging valve (2).
- (22) Remove the charging valve (2) from the oxygen servicing panel (7).
- (23) Install plastic caps to the open connections.

EFFECTIVITY: ACFT MODEL(S) EMB-135

Charging Valve - Removal/Installation

Figure 401



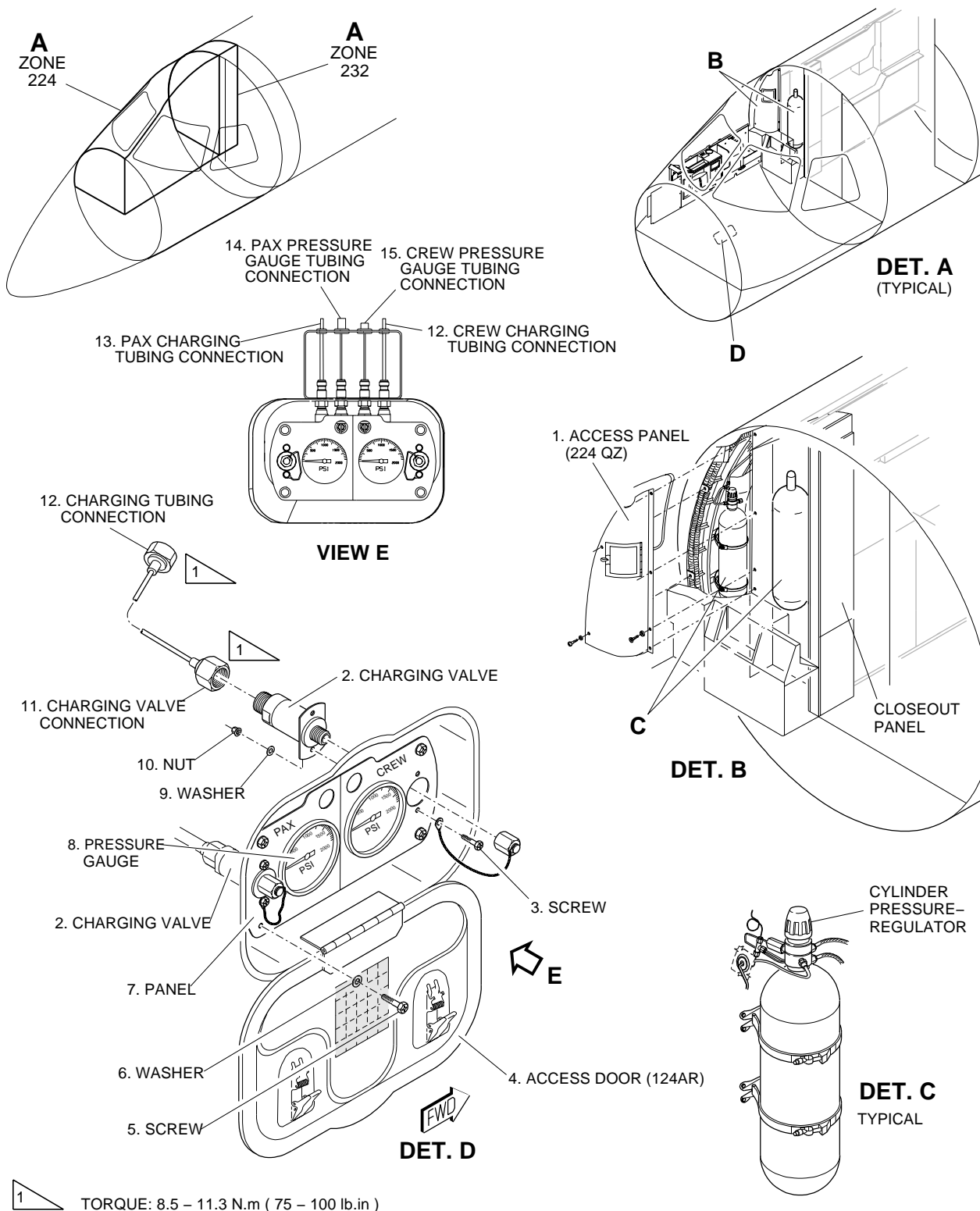
1 TORQUE: 8.5 – 11.3 N.m ( 75 – 100 lb.in. )

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EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS

Charging Valve - Removal/Installation

Figure 402



145AMM350156.MCE B

TASK 35-10-08-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

### 3. CHARGING VALVE - INSTALLATION

#### A. General

- (1) This task gives the procedure to install the charging valve.
- (2) The charging valve is installed on the oxygen servicing panel, on the right side of the aircraft nose section.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM MPP 06-41-03/100</a>	- COMPONENT LOCATION
AMM TASK 12-14-00-600-801-A/300	-
AMM TASK 25-26-02-400-802-A/400	-
AMM TASK 35-10-00-910-801-A/200	-
AMM TASK 35-10-00-910-803-A/200	-
AMM TASK 35-10-00-910-805-A/200	-

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
124	124AR	Right side of the aircraft nose section
224	224LZ	Cockpit
224	224QZ	Cockpit
232	-	Closeout panel

#### D. Tools and Equipment

Not Applicable

#### E. Auxiliary Items

Not Applicable

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C20	Lockwire	AR

#### G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Right side of the aircraft nose section

I. Installation (Figure 401) (Figure 402)

**SUBTASK 420-009-B**

- (1) Obey the safety precautions (AMM TASK 35-10-00-910-801-A/200) and general instructions (AMM TASK 35-10-00-910-803-A/200).
- (2) Remove the plastic caps from the connections. Refer to (Figure 401).
- (3) Put the charging valve (4) on the oxygen servicing panel (11).
- (4) Install the screws (10), washer (3), and nuts (2).

**NOTE:** Refer to Table 201 of the AMM TASK 35-10-00-910-805-A/200 for the torque ranges.

- (5) Connect the charging valve connection (14) to the charging valve (4).
- (6) Put the oxygen servicing panel (11) in position and install the washers (5) and screws (6).
- (7) Connect the pressure-gauge tubing connection (15).
- (8) Connect the charging tubing connection (1).
- (9) Connect the capillary line (which supplies the pressure transducer with the cylinder pressure regulator) to the cylinder pressure regulator and safety it.
- (10) Open the cylinder pressure-regulator and safety it.

**SUBTASK 420-010-A**

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- (11) Obey the safety precautions (AMM TASK 35-10-00-910-801-A/200) and general instructions (AMM TASK 35-10-00-910-803-A/200).
- (12) Remove the plastic caps from the connections. Refer to (Figure 402).
- (13) Put the charging valve (2) on the oxygen servicing panel (7).
- (14) Install the screws (3), washers (9), and nuts (10).

**NOTE:** Refer to Table 201 of the AMM TASK 35-10-00-910-805-A/200 for the torque ranges.

- (15) Connect the charging valve connection (11) to the charging valve (2).
- (16) Put the oxygen servicing panel (7) in position and install the washers (6) and screws (5).
- (17) Connect the pressure-gauge tubing connections (14) and (15).



- (18) Connect the charging tubing connections (12) and (13).
- (19) Connect the capillary line (which supplies the pressure transducer with the cylinder pressure regulator) to the cylinder pressure regulator and safety it.

J. Follow-on

*SUBTASK 842-009-B*

- (1) Refer to (Figure 401).
- (2) Do a check for leaks at the fittings you worked on (AMM TASK 35-10-00-910-805-A/200).
- (3) Close access door 224LZ ( [AMM MPP 06-41-03/100](#)).
- (4) Close access door 124AR (AMM MPP 06-41-01/100).

*SUBTASK 842-010-A*

*EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS*

- (5) Refer to (Figure 402).
- (6) Open the cylinder pressure regulators.
- (7) Do a check for leaks at the fittings you worked on (AMM TASK 35-10-00-910-805-A/200).
- (8) Install access panel 224QZ ( [AMM MPP 06-41-03/100](#)).
- (9) Check the oxygen system pressure. If necessary, fill it (AMM TASK 12-14-00-600-801-A/300).
- (10) Close access door 124AR (AMM MPP 06-41-01/100).
- (11) Install the closeout panel (AMM TASK 25-26-02-400-802-A/400).

