



AIRCRAFT MAINTENANCE MANUAL

PRESSURE GAUGE - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

- A. This section gives the procedures to remove/install the pressure gauge assembly.
- 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
35-11-01-000-801-A	PRESSURE GAUGE ASSEMBLY - REMOVAL	ACFT MODEL(S) EMB-135
35-11-01-400-801-A	PRESSURE GAUGE ASSEMBLY - INSTALLATION	ACFT MODEL(S) EMB-135



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 35-11-01-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

2. PRESSURE GAUGE ASSEMBLY - REMOVAL

A. General

- (1) This task gives the procedure to remove the pressure gauge assembly.
- (2) The pressure gauge assembly 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	-
AMM MPP 06-41-03/100	- 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

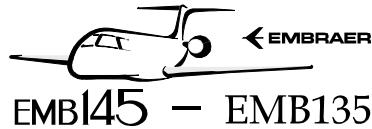
SPECIFICATION (BRAND)	DESCRIPTION	QTY
Commercially available	Plastic caps	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

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



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

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](#)).

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 the access panel 224QZ ([AMM MPP 06-41-03/100](#))
- (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 (1)124AR (AMM MPP 06-41-01/100).
- (5) Disconnect the charging tubing connection (2).
- (6) Disconnect the pressure gauge tubing connection (3).
- (7) Remove the screws (4) and washers (5) from the oxygen servicing panel (6).
- (8) Remove the oxygen servicing panel (6) together with the charging valve (7) and pressure gauge (8).
- (9) Disconnect the pressure gauge connection (9).
- (10) Remove the dial glass (10) from the pressure gauge assembly (11).
- (11) Remove the pressure gauge assembly (11) from the oxygen servicing panel (6).
- (12) Install plastic caps to the open connections.

SUBTASK 020-010-A

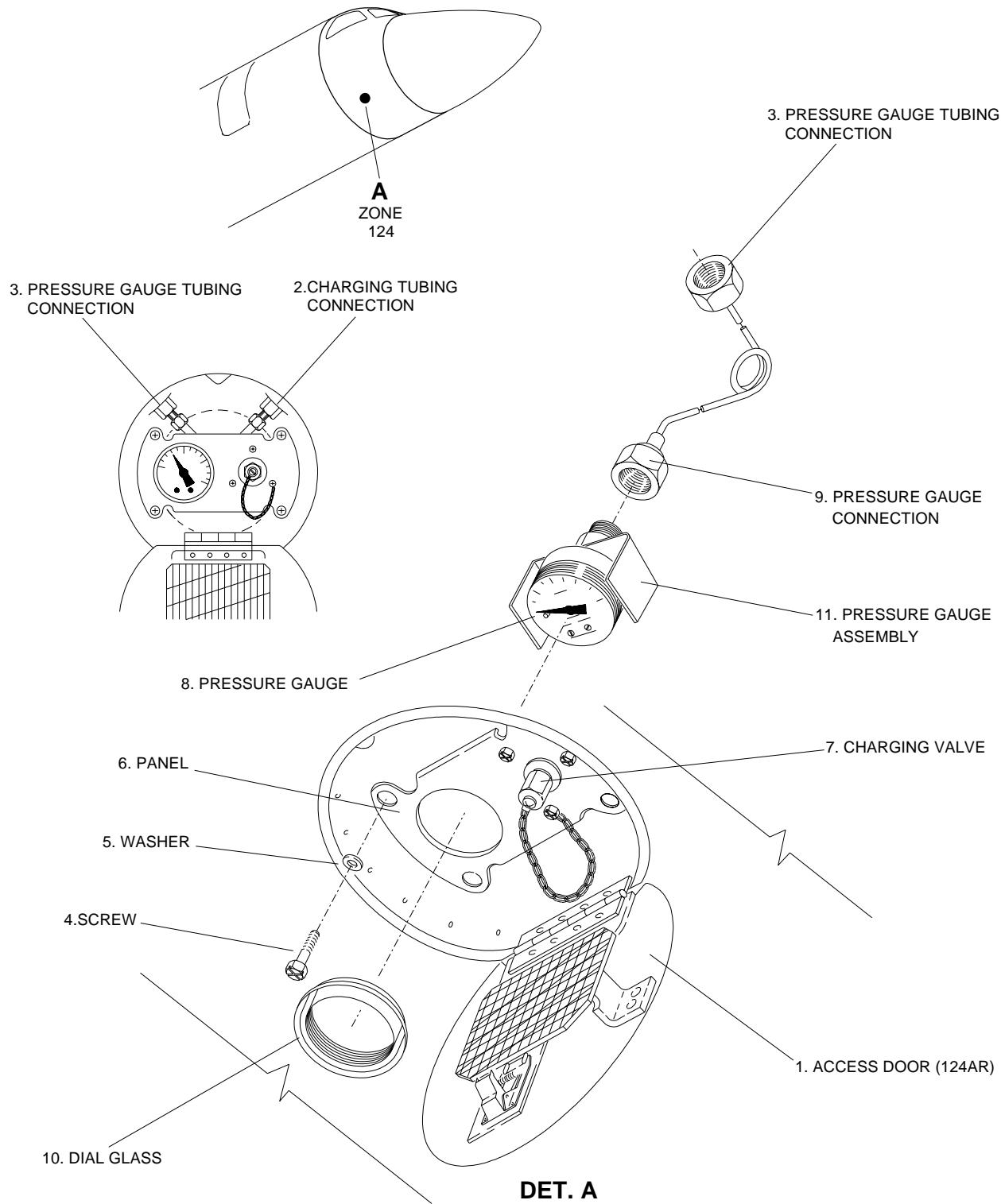
EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS

- (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 the access door (3)124AR (AMM MPP 06-41-01/100).
- (16) Disconnect the charging tubing connections (12) and (14).
- (17) Disconnect the pressure gauge connections (10) and (13).
- (18) Remove the screws (4) and washers (5) from the oxygen servicing panel (6).
- (19) Remove the oxygen servicing panel (6) with the charging valves (7) and pressure gauge assemblies (8).
- (20) Disconnect the pressure gauge connection (9).
- (21) Remove the dial glass (2) from the pressure gauge (11).
- (22) Remove the pressure gauge assembly (8) from the oxygen servicing panel (6).
- (23) Remove the pressure gauge (11) from its support.
- (24) Install plastic caps to the open connections.

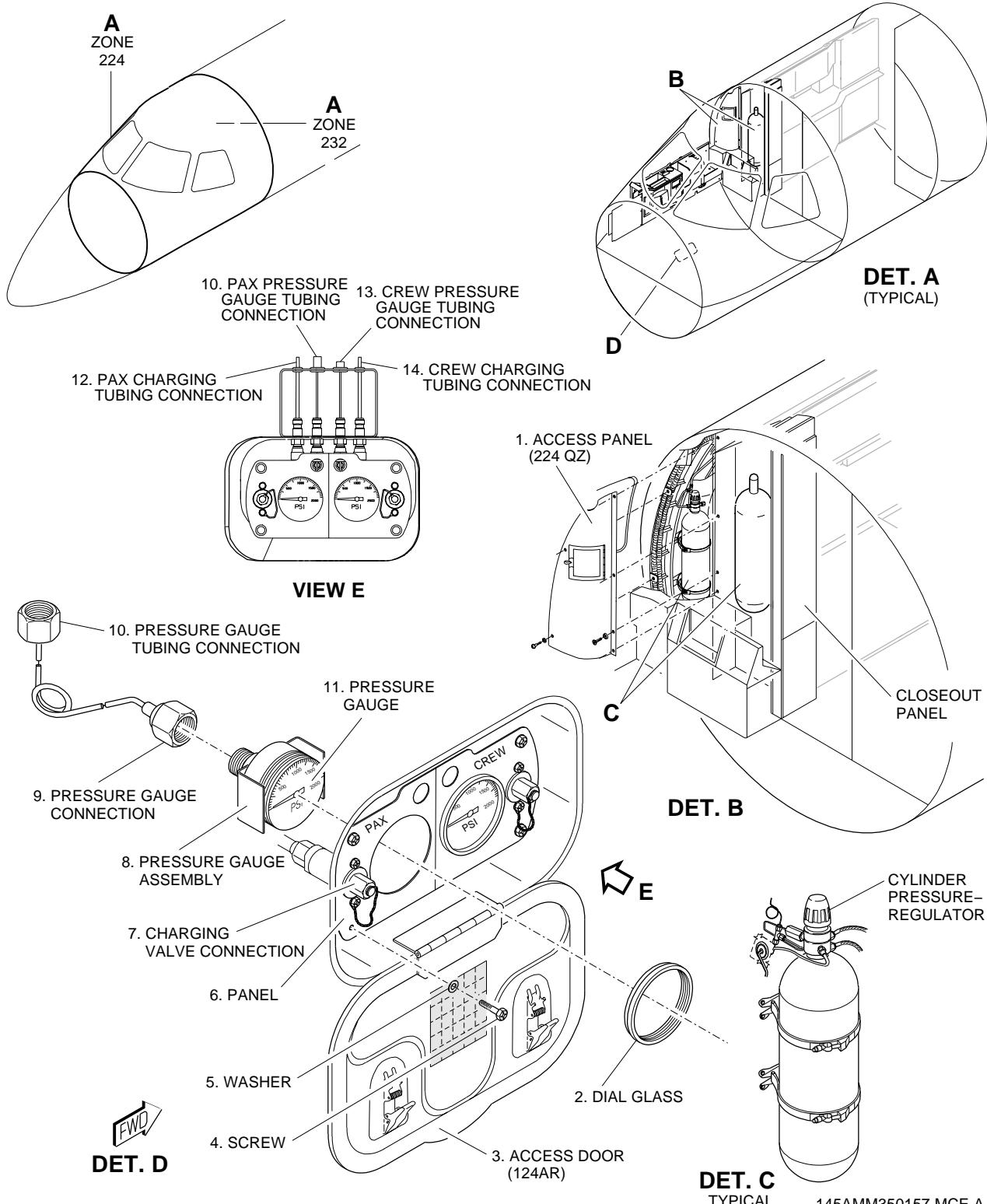
EFFECTIVITY: ACFT MODEL(S) EMB-135
Pressure Gauge Assembly - Removal/Installation
Figure 401



DET. A

EM145AMM350417A.DGN

EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS
 Pressure Gauge Assembly - Removal/Installation
 Figure 402





EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 35-11-01-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

3. PRESSURE GAUGE ASSEMBLY - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-03/100	- 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



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

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) Refer to (Figure 401).

- (3) Remove the plastic caps from the connections.

- (4) Put the pressure gauge assembly (11) on the oxygen servicing panel (6).

- (5) Install the dial glass (10) to the pressure gauge assembly (11).

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

- (6) Connect the pressure gauge connection (9) to the pressure gauge assembly (11).

- (7) Put the oxygen servicing panel (6) in position and install the washers (5) and screws (4).

- (8) Connect the pressure gauge tubing connection (3).

- (9) Connect the charging tubing connection (2).

- (10) Connect the capillary line (which supplies the pressure transducer with the cylinder pressure regulator) to the cylinder pressure regulator and safety it.

- (11) Open the cylinder pressure-regulator and safety it.

SUBTASK 420-010-A

EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS

- (12) 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).

- (13) Refer to (Figure 402).

- (14) Remove the plastic caps from the connections.

- (15) Install the pressure gauge (11) on its support.

- (16) Put the pressure gauge assembly (8) on the oxygen servicing panel (6).

- (17) Install the dial glass (2) to the pressure gauge assembly.

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

- (18) Connect the pressure gauge connections (9), to the pressure gauge assembly (8).

- (19) Put the oxygen servicing panel (6) in position and install the washers (5) and screws (4).
- (20) Connect the pressure gauge tubing connections (10) and (13).
- (21) Connect the charging tubing connections (12) and (14).
- (22) 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) Do a check for leaks at the fittings you worked on (AMM TASK 35-10-00-910-805-A/200).
- (2) Close access door 224LZ ([AMM MPP 06-41-03/100](#)).
- (3) Close access door 124AR (AMM MPP 06-41-01/100).

SUBTASK 842-010-A

EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS

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

