



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

PRESSURE TRANSDUCER - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

- A. This section gives the procedures to remove/install the pressure transducer.
- 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
35-11-02-000-801-A	PRESSURE TRANSDUCER - REMOVAL	ACFT MODEL(S) EMB-135
35-11-02-400-801-A	PRESSURE TRANSDUCER - INSTALLA- TION	ACFT MODEL(S) EMB-135



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TASK 35-11-02-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

2. PRESSURE TRANSDUCER - REMOVAL

A. General

- (1) This task gives the procedure to remove the pressure transducer.
- (2) The pressure transducer is installed to the high-pressure capillary line.

B. References

REFERENCE	DESIGNATION
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	-
<b>SB145-25-0072</b>	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
224	224PZ	To the attendant's wardrobe
124	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	In the attendant's wardrobe or cockpit



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I. Preparation

SUBTASK 841-010-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 the "PASS OXYGEN DEPLOY 1" and "PASS OXYGEN DEPLOY 2" circuit breakers.
- (3) Remove access panel 224PZ for aircraft PRE-MOD SB145-25-0072 or 224QZ for aircraft POST-MOD SB 145-25-0072 ([AMM MPP 06-41-03/100](#)).
- (4) (Aircraft for 16 passengers) Remove the access panel 224QZ ([AMM MPP 06-41-03/100](#)).
- (5) (Aircraft for 16 passengers) Remove the closeout panel (AMM TASK 25-26-02-000-802-A/400).

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

SUBTASK 020-011-B

- (1) Refer to [Figure 401](#).
- (2) Cut the lockwire and close the cylinder pressure regulator (1).
- (3) Cut the lockwire and disconnect the capillary line (2) (which supplies the pressure transducer with the cylinder pressure) from the cylinder pressure regulator (1).  
**NOTE:** A small quantity of oxygen can flow out when you disconnect the capillary line.
- (4) Disconnect the electrical connector (3) from the pressure transducer (4).
- (5) Disconnect the connection (5) of the capillary line (6) from the pressure transducer (4).
- (6) Loosen the attachment clamp (7).
- (7) Remove the pressure transducer (4).
- (8) Install plastic caps to the open connections.

SUBTASK 020-012-A

EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS

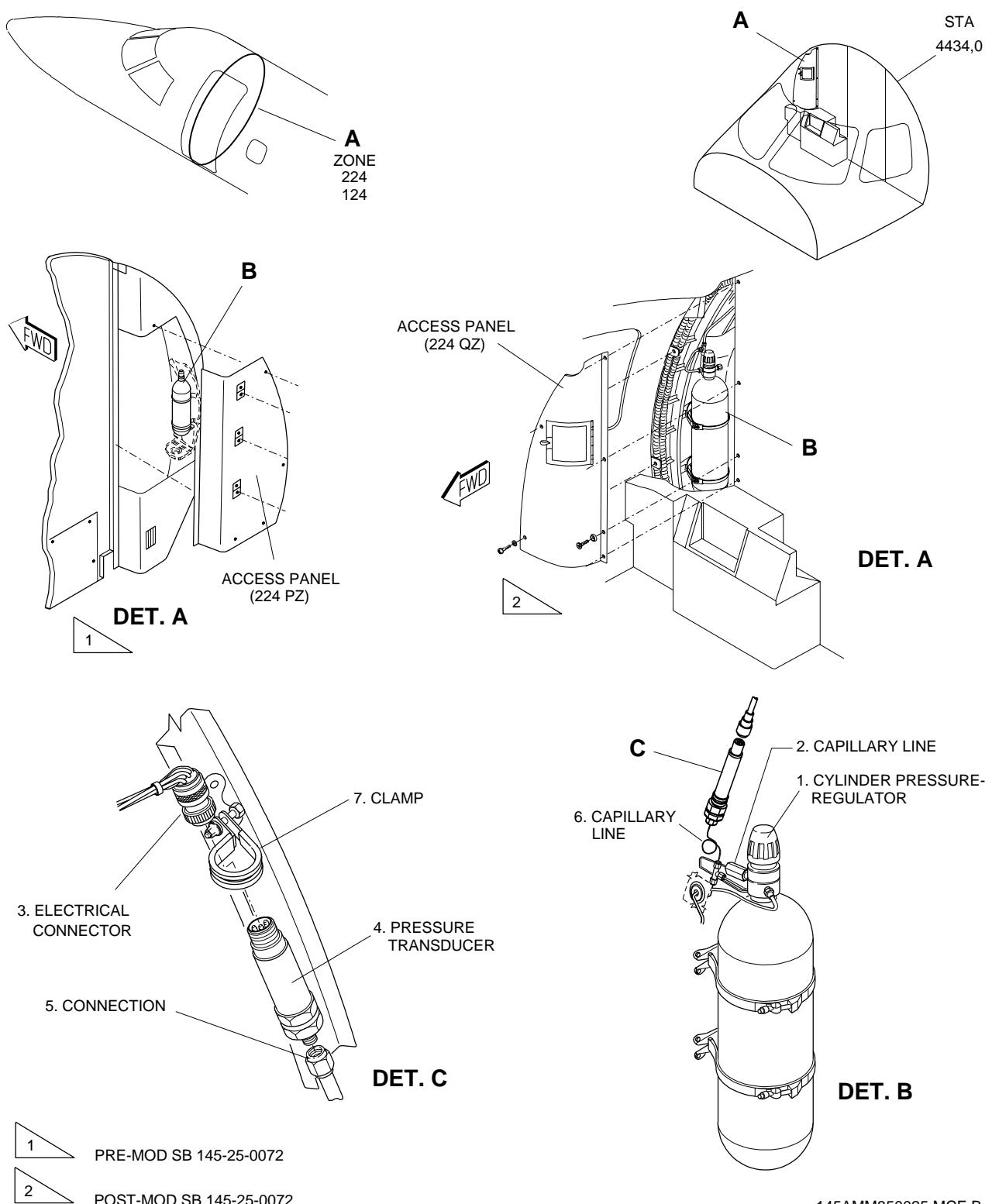
- (9) Refer to [Figure 402](#).
- (10) Close the cylinder pressure regulator (1).
- (11) Cut the lockwire and disconnect the capillary line connection (4) (which supplies the pressure transducer with the cylinder pressure) from the cylinder pressure regulator (1).  
**NOTE:** A small quantity of oxygen can flow out when you disconnect the capillary line.
- (12) Disconnect the electrical connector (5) from the pressure transducer (3).
- (13) Disconnect the capillary connection (4) from the pressure transducer (3).



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- (14) Loosen the attachment clamp (2).
- (15) Remove the pressure transducer (3).
- (16) Install plastic caps to the open connections.

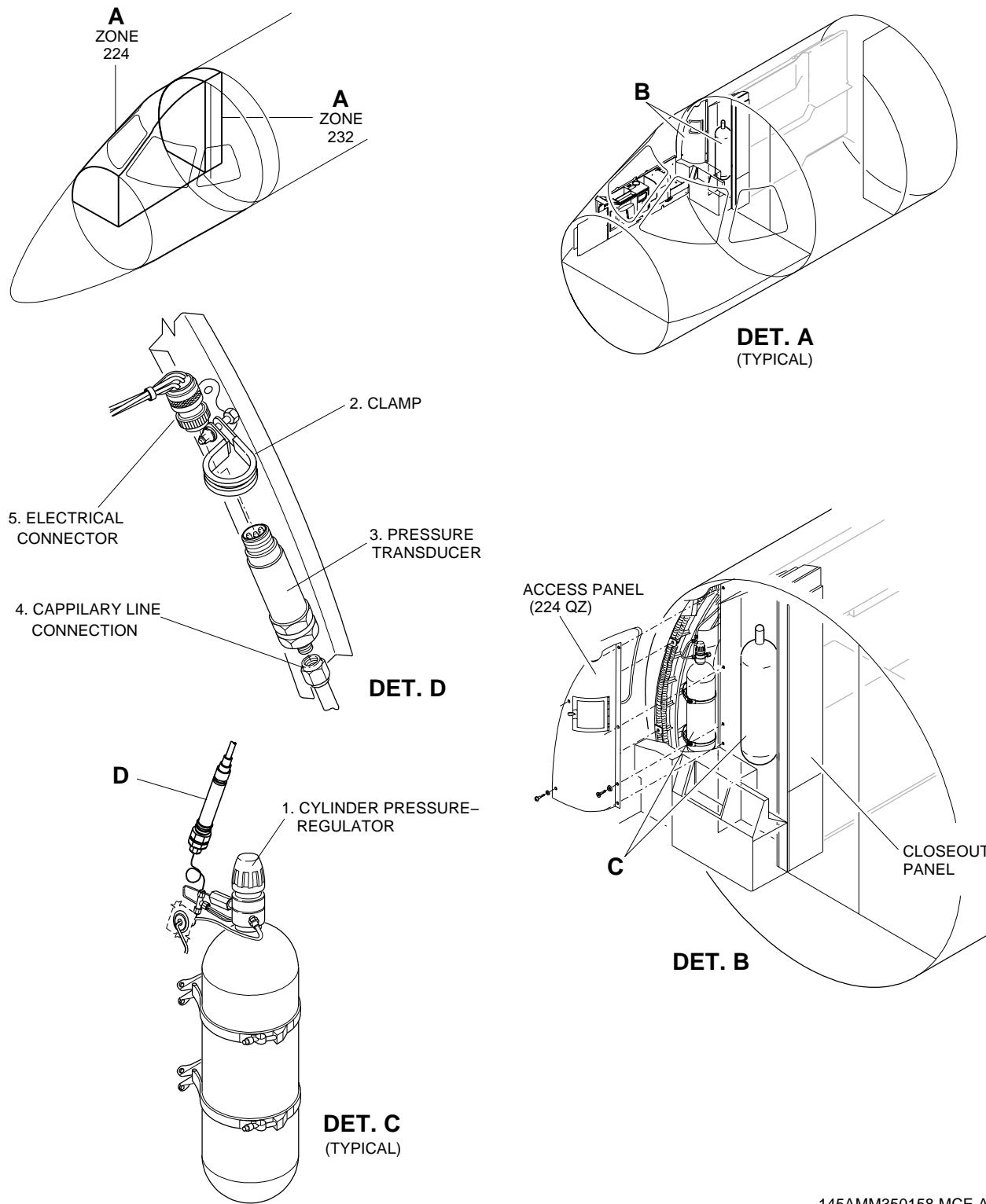
**EFFECTIVITY: ACFT MODEL(S) EMB-135**  
 Pressure Transducer - Removal/Installation  
 Figure 401



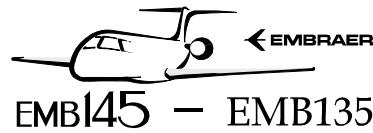
**EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS**

Pressure Transducer - Removal/Installation

Figure 402



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TASK 35-11-02-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

3. PRESSURE TRANSDUCER - INSTALLATION

A. General

- (1) This task gives the procedure to install the pressure transducer.
- (2) The pressure transducer is installed to the high-pressure capillary line.

B. References

REFERENCE	DESIGNATION
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	-
<b>SB145-25-0072</b>	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
224	224PZ	To the attendant's wardrobe
124	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	In the attendant's wardrobe or cockpit



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I. Installation (Figure 401) (Figure 402)

SUBTASK 420-011-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 transducer (4) in position and tighten the attachment clamp (7).
- (5) Connect the connection (5) of the capillary line (6) to the pressure transducer (4).
- (6) Connect the electrical connector (3) to the pressure transducer (4).

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

- (7) Connect the capillary line (2) (which supplies the pressure transducer with the cylinder pressure) to the cylinder pressure regulator (1) and safety it.
- (8) Open the cylinder pressure regulator (1) and safety it.

SUBTASK 420-012-A

EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS

- (9) 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).
- (10) Refer to (Figure 402).
- (11) Remove the plastic caps from the connections.
- (12) Put the pressure transducer (3) in position and tighten the attachment clamp (2).
- (13) Connect the capillary line connection (4) to the pressure transducer (3).
- (14) Connect the electrical connector (5) to the pressure transducer (3).

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

- (15) Open the cylinder pressure regulator (1).

J. Follow-on

SUBTASK 842-010-B

- (1) Do a check for leaks at the fittings you worked on (AMM TASK 35-10-00-910-805-A/200).
- (2) (Aircraft for 16 passengers) Install the closeout panel (AMM TASK 25-26-02-400-802-A/400).
- (3) (Aircraft for 16 passengers) Install the access panel 224QZ ([AMM MPP 06-41-03/100](#)).



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- (4) Install access panel 224PZ for aircraft PRE-MOD [SB145-25-0072](#) or 224QZ for aircraft POST-MOD SB 145-25-0072 ( [AMM MPP 06-41-03/100](#)).
- (5) Close the “PASS OXYGEN DEPLOY 1” and “PASS OXYGEN DEPLOY 2” circuit breakers.
- (6) Check the oxygen system pressure. If necessary, fill it (AMM TASK 12-14-00-600-801-A/300).

