

## OXYGEN CYLINDER - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to remove/install the oxygen cylinder.
- 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
35-10-07-000-801-A	OXYGEN CYLINDER - REMOVAL	ALL
35-10-07-400-801-A	OXYGEN CYLINDER - INSTALLATION	ALL

TASK 35-10-07-000-801-A

EFFECTIVITY: ALL

## 2. OXYGEN CYLINDER - REMOVAL

### A. General

(1) This task gives the procedure to remove the oxygen cylinder.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM MPP 06-41-03/100</a>	- COMPONENT LOCATION
AMM TASK 35-10-00-910-801-A/200	-
AMM TASK 35-10-00-910-803-A/200	-
<a href="#">S.B.145-25-0072</a>	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
224	224PZ	To the attendant's wardrobe
124	224QZ	Cockpit

### 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

### I. Preparation

SUBTASK 841-002-A

**WARNING: OIL, GREASE, FLAMMABLE SOLVENTS, DUST, METAL FILINGS AND OTHER MATERIALS THAT BURN CAN EASILY CAUSE FIRE AND EXPLOSIONS WHEN THEY TOUCH PURE OXYGEN.**

**WARNING: MAKE SURE THAT THE AIRCRAFT IS IN A SAFE CONDITION BEFORE YOU DO THE MAINTENANCE PROCEDURES. THIS IS TO PREVENT INJURY TO PERSONS AND/OR DAMAGE TO THE EQUIPMENT.**

- (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 access panel 224PZ for aircraft PRE-MOD. [S.B.145-25-0072](#) or 224QZ for aircraft POST-MOD. S.B. 145-25-0072 ( [AMM MPP 06-41-03/100](#)).

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

*SUBTASK 020-002-A*

- (1) Close the cylinder pressure regulator (1).
- (2) Disconnect the oxygen filling line (2) from the cylinder pressure regulator (1).

**CAUTION: WHEN YOU REMOVE THE CAPILLARY LINE, BE CAREFUL AND DO NOT USE FORCE TO PULL IT AWAY. OR A LINE RUPTURE CAN OCCUR BECAUSE, AFTER THE HEX NUT IS RELEASED, THE CAPILLARY LINE END-FITTING CONTINUES HELD TO THE OXYGEN CYLINDER.**

- (3) Disconnect the capillary line (3) (which supplies the pressure transducer with the cylinder pressure) from the cylinder pressure regulator (1).
- (4) Remove and discard the O-ring (8).
- (5) Disconnect the crew distribution line (4) from the cylinder pressure regulator (1).
- (6) Disconnect the relief line (5) from the cylinder pressure regulator (1).

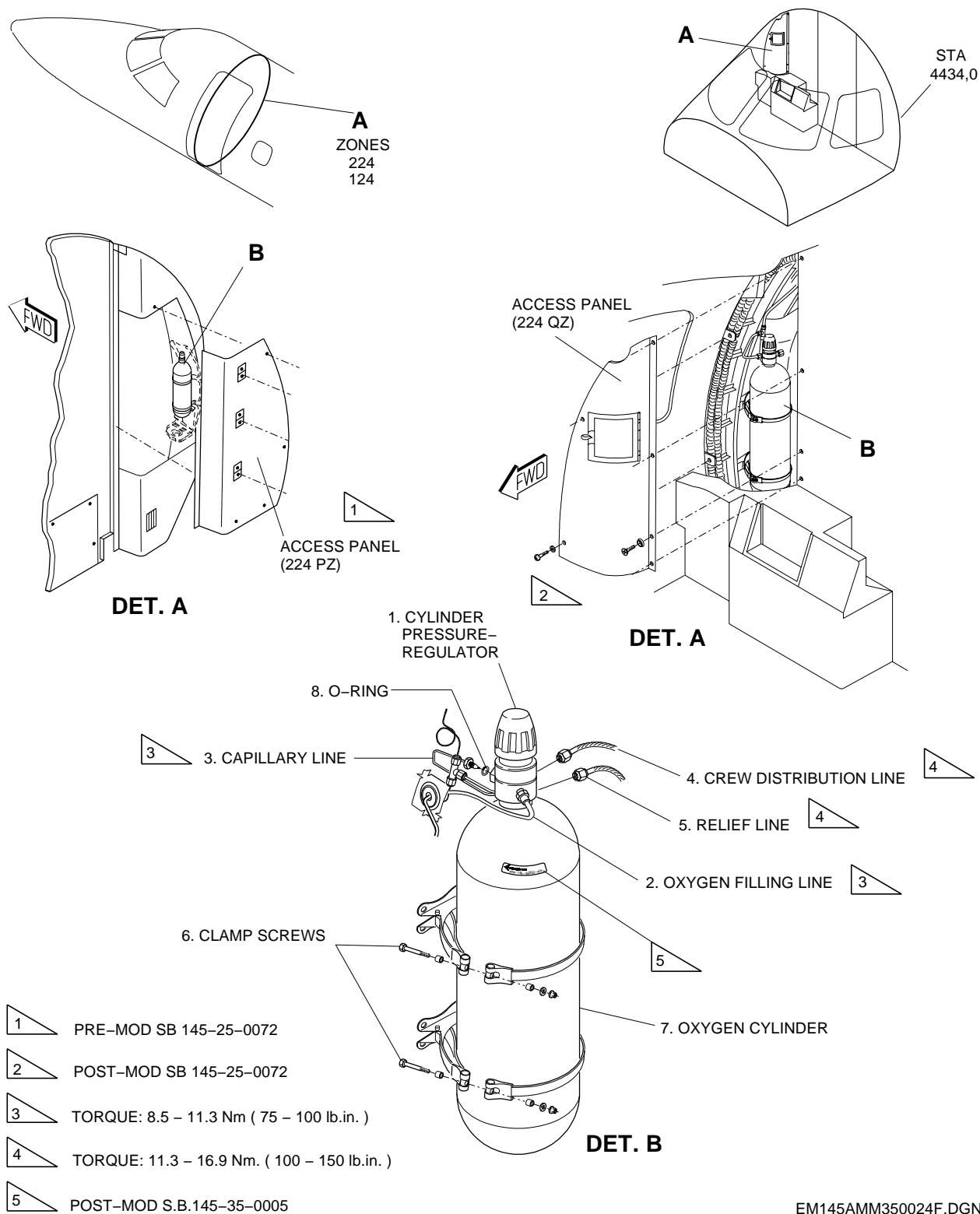
**NOTE:** A small quantity of oxygen can flow out when you disconnect the oxygen lines (filling, capillary, crew distribution, or relief lines).

- (7) Remove the attachment clamp screws (6).
- (8) Remove the oxygen cylinder (7).
- (9) Install plastic caps to the open connections.

EFFECTIVITY: ALL

Oxygen Cylinder - Removal/Installation

Figure 401

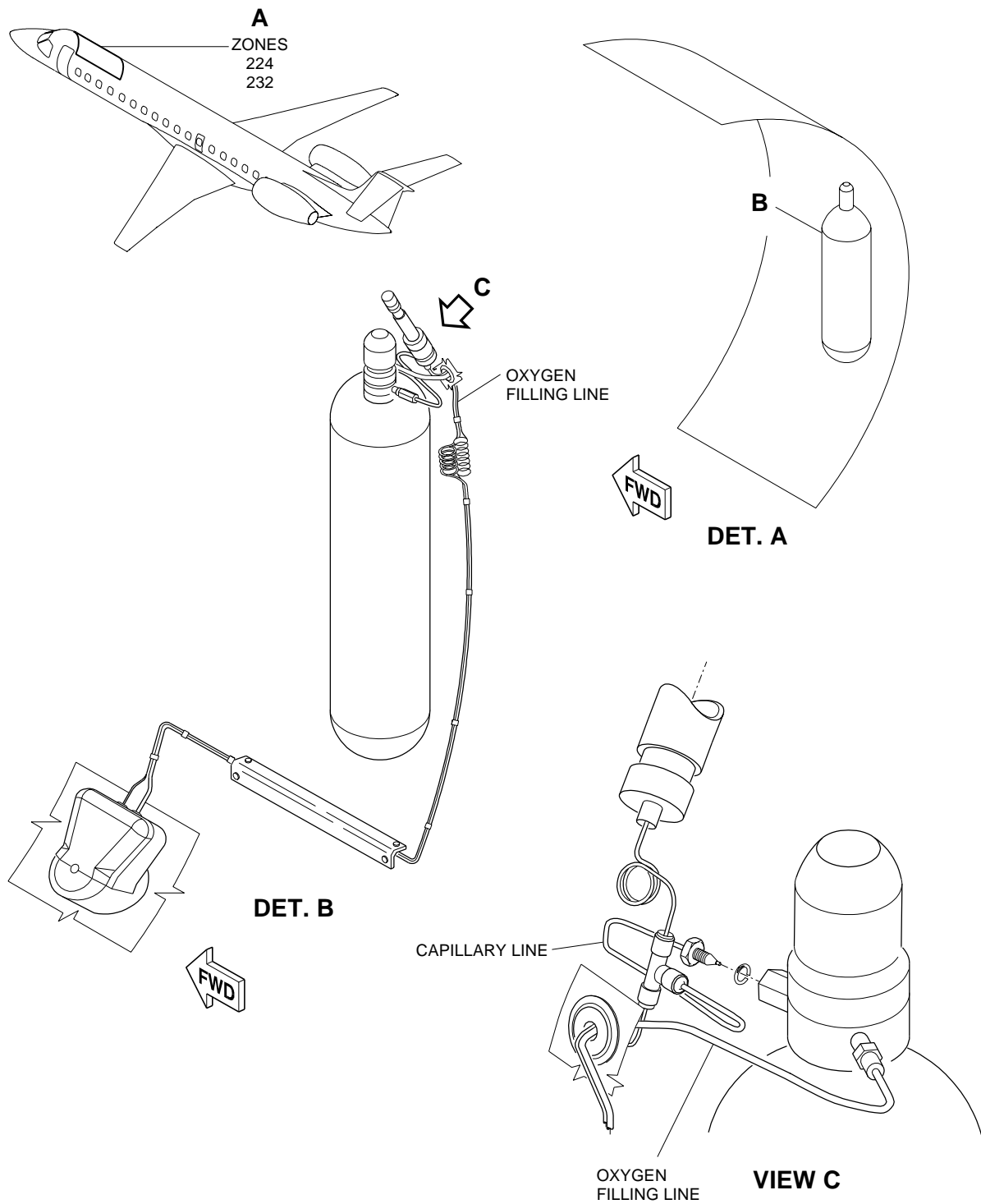


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EFFECTIVITY: ALL

Crew Oxygen System Lines - Positioning

Figure 402 - Sheet 1

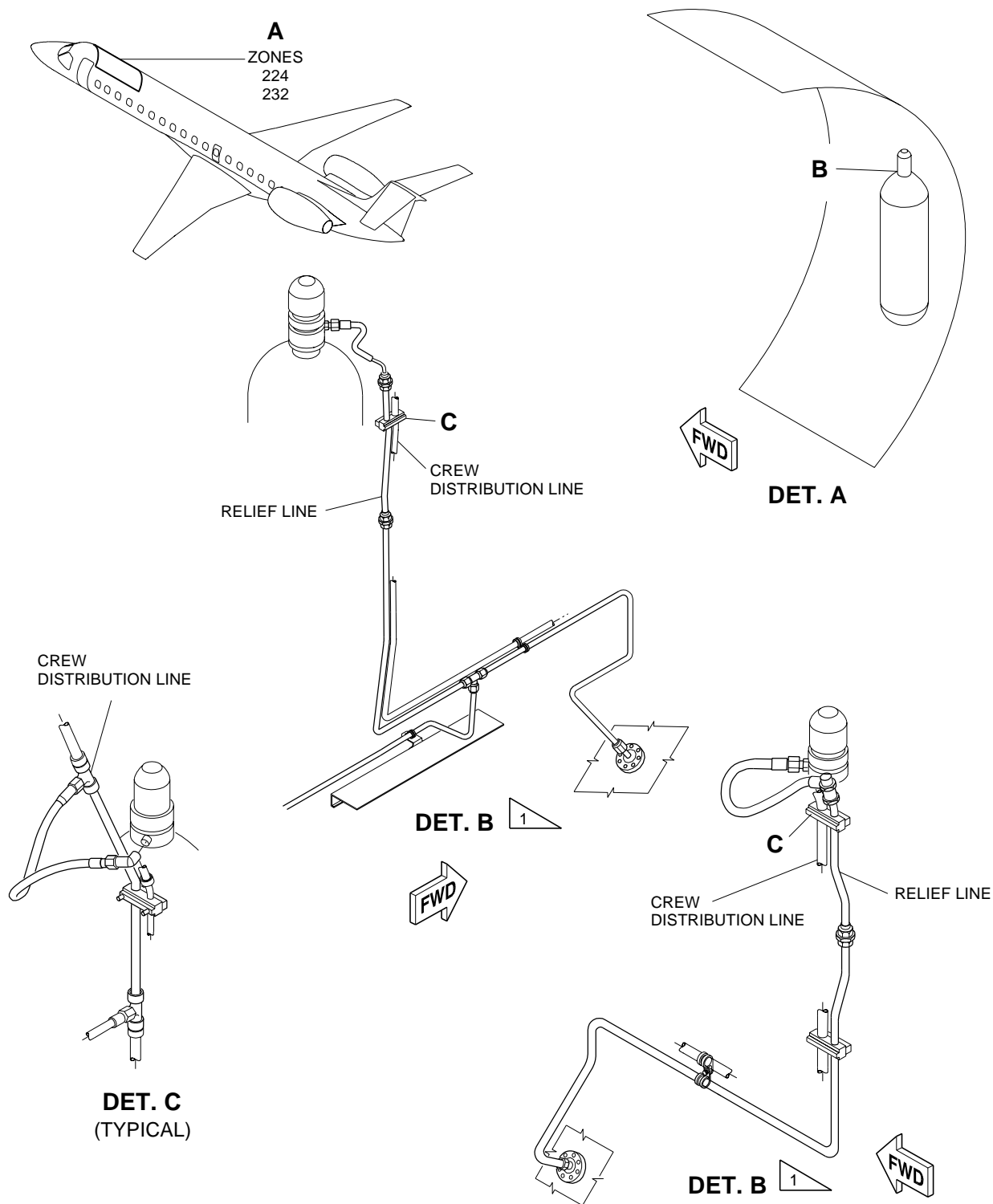


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EFFECTIVITY: ALL

Crew Oxygen System Lines - Positioning

Figure 402 - Sheet 2



1 AS APPLICABLE TO THE AIRCRAFT CONFIGURATION.

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TASK 35-10-07-400-801-A  
EFFECTIVITY: ALL

### 3. OXYGEN CYLINDER - INSTALLATION

#### A. General

(1) This task gives the procedure to install the oxygen cylinder.

#### B. References

REFERENCE	DESIGNATION
<a href="#">AMM MPP 06-41-03/100</a>	- COMPONENT LOCATION
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	-
<a href="#">S.B.145-25-0072</a>	-
<a href="#">S.B.145-35-0005</a>	-

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
224	224PZ	To the attendant's wardrobe
124	224QZ	Cockpit

#### 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

I. Installation (Figure 401) (Figure 402)

SUBTASK 420-002-A

**WARNING: OIL, GREASE, FLAMMABLE SOLVENTS, DUST, METAL FILINGS AND OTHER MATERIALS THAT BURN CAN EASILY CAUSE FIRE AND EXPLOSIONS WHEN THEY TOUCH PURE OXYGEN.**

**WARNING: MAKE SURE THAT THE AIRCRAFT IS IN A SAFE CONDITION BEFORE YOU DO THE MAINTENANCE PROCEDURES. THIS IS TO PREVENT INJURY TO PERSONS AND/OR DAMAGE TO THE EQUIPMENT.**

**NOTE:** Refer to (Figure 402) for the correct positioning of the crew oxygen system lines connected to the oxygen cylinder.

(1) Install the oxygen cylinder (7) as follows. Refer to (Figure 401):

- (a) 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).
- (b) Remove the plastic caps from the connections.
- (c) Put the oxygen cylinder (7) (POST-MOD. [S.B.145-35-0005](#)) on its support and align the connections of the cylinder pressure regulator with the tubes.
- (d) Tighten the attachment clamp screws (6).
- (e) Connect the oxygen lines and apply the correct torque for the fittings:

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

- Make sure that the lockwires will keep the correct torque of the fittings.

- 1 Connect the oxygen filling line (2) to the cylinder pressure regulator (1).
- 2 Install new O-ring (8).
- 3 Connect the capillary line (3) (which supplies the pressure transducer with the cylinder pressure) to the cylinder pressure regulator (1).
- 4 Connect the crew distribution line (4) to the cylinder pressure regulator (1).
- 5 Connect the relief line (5) to the cylinder pressure regulator (1).

**WARNING: IF YOU DO NOT OPEN THE CYLINDER PRESSURE REGULATOR, THE OXYGEN SYSTEM WILL NOT OPERATE.**

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

J. Follow-on

SUBTASK 842-002-A

- (1) Do a check for leaks at the fittings you worked on (AMM TASK 35-10-00-910-805-A/200).



- (2) Install access panel, 224PZ for aircraft PRE-MOD. [S.B.145-25-0072](#) or 224QZ for aircraft POST-MOD. S.B. 145-25-0072 ( [AMM MPP 06-41-03/100](#)).

