

## ELECTRIC PULSE/LATCHING ON-OFF VALVE - REMOVAL/INSTALLATION

*EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS*

### 1. General

- A. This section gives the procedures to remove/install the Electric Pulse/Latching On-Off Valves.
- B. The Electric Pulse/Latching On-Off Valves are installed in the closeout panel beside the passenger oxygen cylinder(s).
- C. 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
35-20-10-000-801-A	ELECTRIC PULSE/LATCHING ON-OFF VALVES - REMOVAL	AIRCRAFT FOR 16 PASSENGERS
35-20-10-400-801-A	ELECTRIC PULSE/LATCHING ON-OFF VALVES - INSTALLATION	AIRCRAFT FOR 16 PASSENGERS

TASK 35-20-10-000-801-A

*EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS*

## 2. ELECTRIC PULSE/LATCHING ON-OFF VALVES - REMOVAL

### A. General

(1) This task gives the procedures to remove the electric pulse/latching on-off valves.

### B. References

REFERENCE	DESIGNATION
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

Not Applicable

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
1	Plastic caps	Protection of fittings	AR

### F. Consumable Materials

Not Applicable

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Passenger cabin

### I. Preparation

#### **SUBTASK 841-004-A**

- (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 these circuit breakers:
  - PASS OXY DEPLOY 1 (location tip: ESSENTIAL DC BUS 1/MISCELLANEOUS).
  - PASS OXY DEPLOY 2 (location tip: ESSENTIAL DC BUS 2).
- (3) Remove the closeout panel (AMM TASK 25-26-02-000-802-A/400).
- (4) Close the cylinder pressure regulator (1).

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

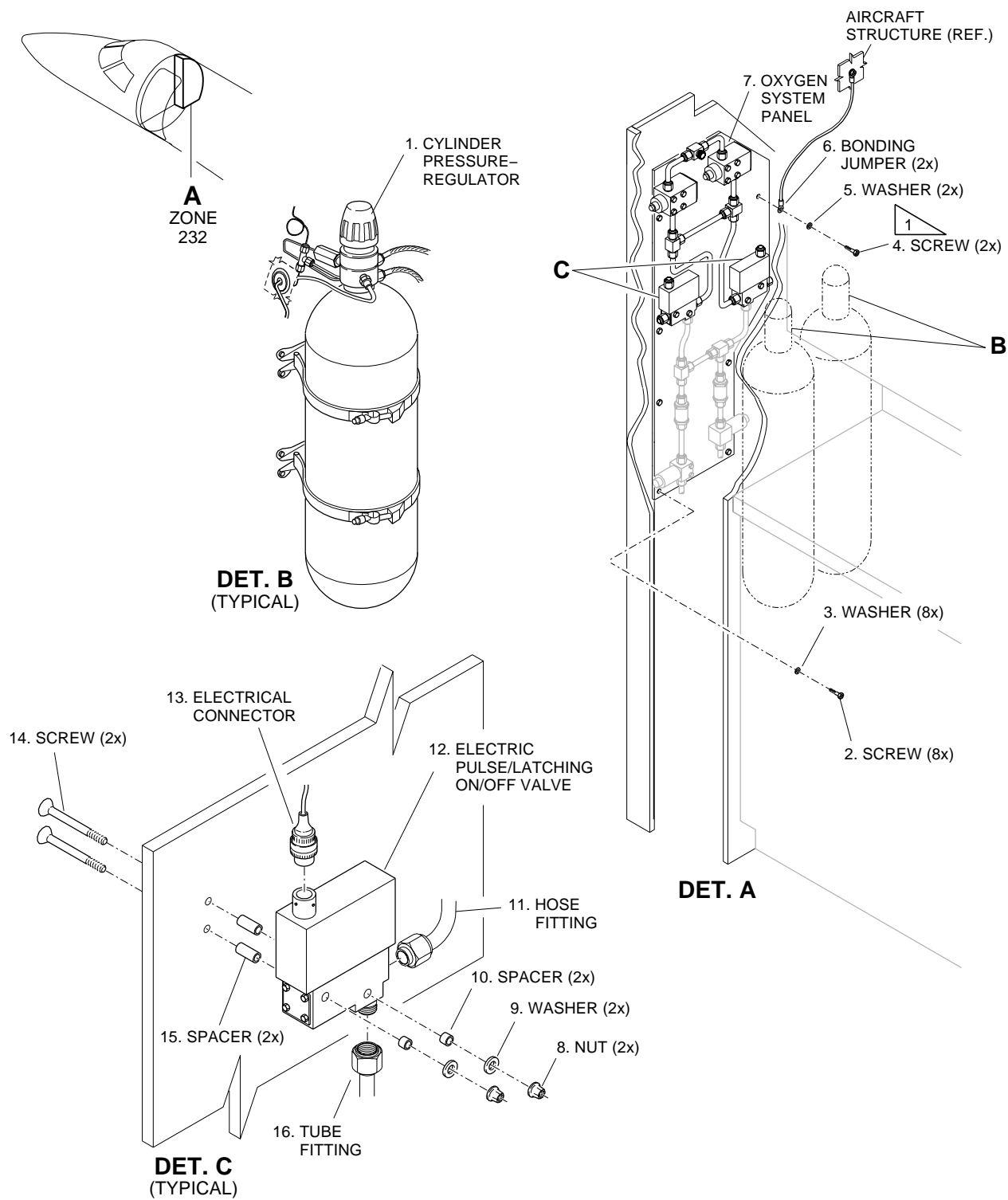
*SUBTASK 020-004-A*

- (1) Remove the electrical connector (7).
- (2) Loosen the hose fitting (2) and the tube fitting (5).  
NOTE: A small quantity of oxygen can flow out when you disconnect the tube fittings.
- (3) Remove the screws (4), washers (3) and spacers (6) from the electric pulse/latching on-off valves (8).
- (4) Remove electric pulse/latching on-off valves (8).
- (5) Install the plastic caps on the fittings.

EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS

Electric Pulse/Latching On-Off Valves - Removal/Installation

Figure 401



1 ELECTRICAL BONDING (METHOD 7).

EM145AMM350170C.DGN

TASK 35-20-10-400-801-A

EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS

### 3. ELECTRIC PULSE/LATCHING ON-OFF VALVES - INSTALLATION

#### A. General

(1) This task gives the procedures to install the electric pulse/latching on-off valves.

#### B. References

REFERENCE	DESIGNATION
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

Not Applicable

#### 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	Passenger cabin

#### I. Installation (Figure 401)

##### SUBTASK 420-004-A

- (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 fittings.
- (3) Position spacers (6) on the electric pulse/latching on-off valves (8).
- (4) Install electric pulse/latching on-off valves (8), washers (3) and screws (4).
- (5) Install the tube fitting (5) and hose fitting (2).
- (6) Install the electrical connector (7).

J. Follow-on

*SUBTASK 842-004-A*

- (1) Open the cylinders pressure regulator (1).
- (2) Do a check for leaks at the fittings you worked on (AMM TASK 35-10-00-910-805-A/200).
- (3) Install the closeout panel (AMM TASK 25-26-02-400-802-A/400).
- (4) Close the PASS OXY DEPLOY 1 and PASS OXY DEPLOY 2 circuit breakers.
- (5) Check oxygen system, fill it if necessary (AMM TASK 12-14-00-600-801-A/300).