CREW OXYGEN - INSPECTION/CHECK

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

   A. This section gives the procedure to do a check of the crew oxygen system pressure.

   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*
35-10-00-200-801-A ♦	CREW OXYGEN SYSTEM PRESSURE - CHECK	ACFT MODEL(S) EMB-135

TASK 35-10-00-200-801-A
EFFECTIVITY: ACFT MODEL(S) EMB-135

2. CREW OXYGEN SYSTEM PRESSURE - CHECK

A. General

(1) This procedure gives instructions to do the check of the pressure of the crew oxygen system.

NOTE: On aircraft for 16 passengers, this procedure check only the pressure of the crew oxygen system, since its passenger oxygen system is the chemical type.

(2) Only approved persons must do the maintenance tasks related to the oxygen system.

B. References

REFERENCE	*DESIGNATION*
AMM MPP 06-41-01/100	-
AMM TASK 12-14-00-600-801-A/300	-

C. Zones and Accesses

ZONE	*PANEL/DOOR*	*LOCATION*
124	124AR	Oxygen servicing panel

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	Oxygen servicing panel

I. Preparation

SUBTASK 841-010-B

(1) Open access panel 124AR (AMM MPP 06-41-01/100).

J. Check Crew Oxygen System Pressure (Figure 601) (Figure 603)

SUBTASK 211-011-B

(1) Do a check to make sure that there is the minimum necessary oxygen pressure to permit the aircraft for dispatch as follows:

(a) (Crew with Pilot, Copilot, and Observer) Read the oxygen pressure gauge to make sure that the minimum pressure is 1500 psi at 21°C (70°F). For other temperatures, refer to the oxygen pressure correction on access door 124AR.

(b) (Crew with Pilot and Copilot) Read the oxygen pressure gauge to make sure that the minimum pressure is 1100 psi at 21°C (70°F). For other temperatures refer to the oxygen pressure correction on access door 124AR.

NOTE: If the pressure is below the minimum value, fill the oxygen system (AMM TASK 12-14-00-600-801-A/300).

(2) If the pressure is above the minimum necessary for the aircraft dispatch, find the number of pre-flight oxygen mask tests available as follows:

(a) Read the oxygen pressure gauge at 21°C (70°F) (for other temperature refer to the oxygen pressure correction in the access door 124AR).

(b) Find the oxygen pressure on the Oxygen Consumption chart (Figure 603) and draw a perpendicular line from the oxygen pressure axis as far as the desired oxygen consumption line (for two or three crewmembers).

(c) The crossing point shows the number of the additional pre-flight crew cycles available.

K. Check Crew and Passenger Oxygen Pressure (Figure 602) (Figure 603)

SUBTASK 211-012-A

EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS

(1) Read the oxygen pressure gauges to make sure that the minimum pressures to dispatch are:

WARNING: FOR TEMPERATURES DIFFERENT OF 21°C (70°F), REFER TO THE OXYGEN PRESSURE CORRECTION IN THE ACCESS DOOR 124AR.

(a) Crew oxygen system:

1 For pilot, copilot and observer: 1500 psi at 21°C (70°F).

2 For pilot and copilot: 1100 psi at 21°C (70°F).

(b) Passenger oxygen system: 1150 psi at 21°C (70°F).

NOTE: If the pressure is less than the minimum value, fill the oxygen system (AMM TASK 12-14-00-600-801-A/300).

(2) If the crew oxygen pressure is above the minimum necessary for the aircraft dispatch, find the number of pre-flight oxygen mask tests available as follows:

(a) Read the oxygen pressure gauge at 21°C (70°F) (for other temperature refer to the oxygen pressure correction in the access door 124AR).

(b) Find the oxygen pressure on the Oxygen Consumption chart (Figure 603) and draw a perpendicular line from the oxygen pressure axis as far as the desired oxygen consumption line (for two or three crewmembers).

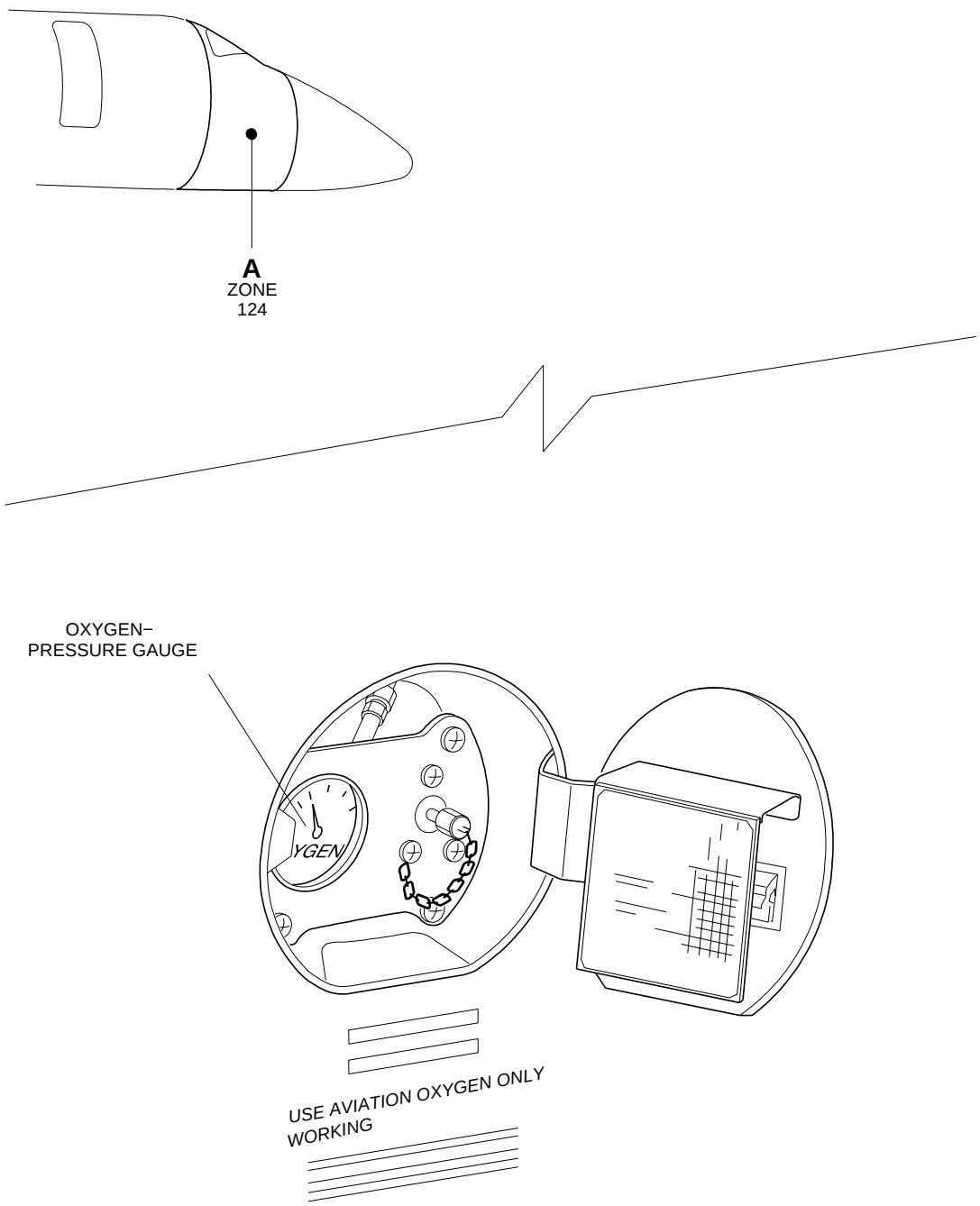
(c) The crossing point shows the number of the additional pre-flight crew cycles available.

L. Follow-on

SUBTASK 842-010-B

(1) If necessary, put the aircraft back to its usual configuration.

EFFECTIVITY: ACFT MODEL(S) EMB-135
Crew Oxygen System Pressure - Check
Figure 601



DET. A

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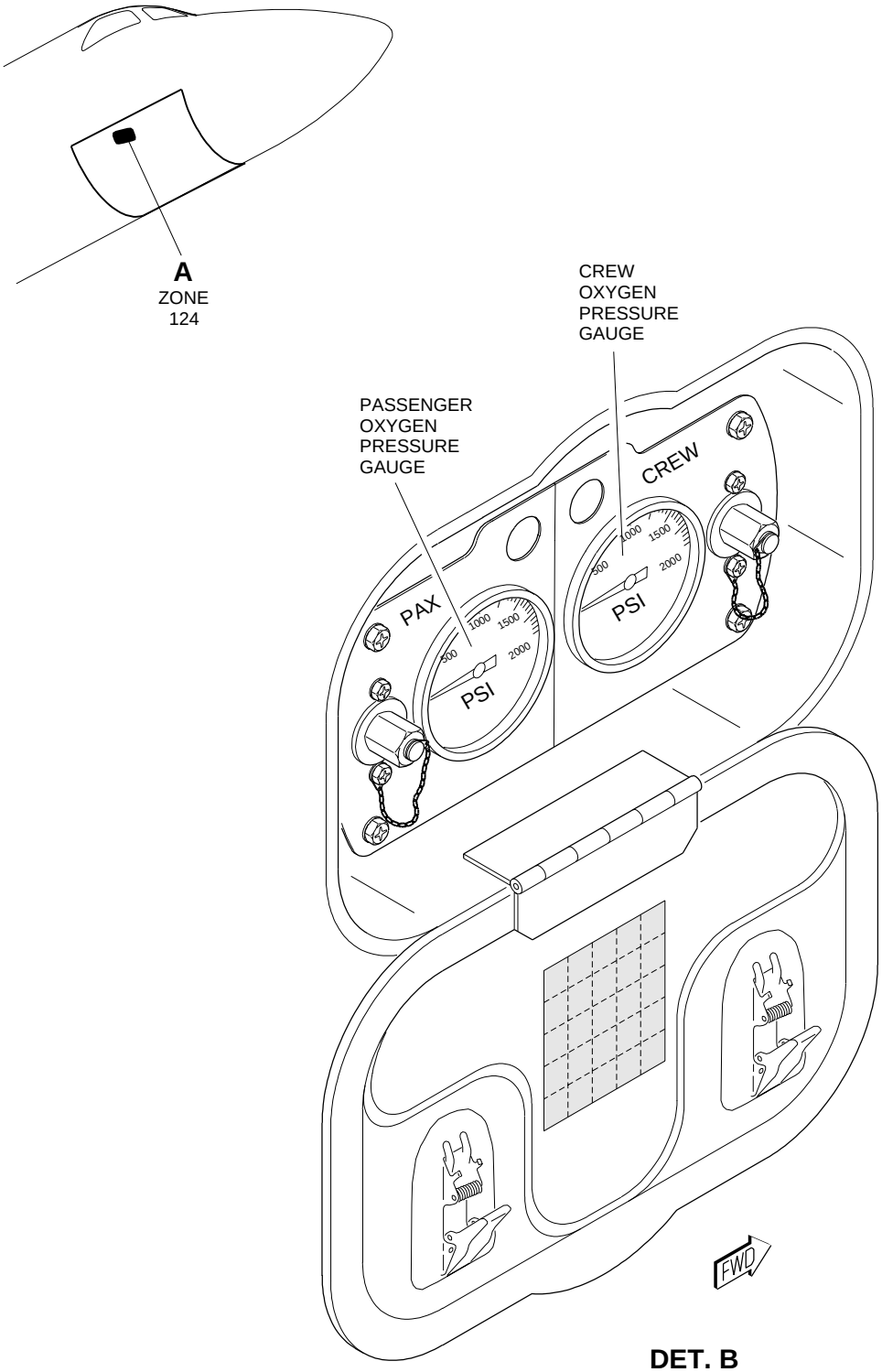
EFFECTIVITY: AIRCRAFT FOR 16 PASSENGERS
Oxygen System Pressure - Check
Figure 602



DET. B

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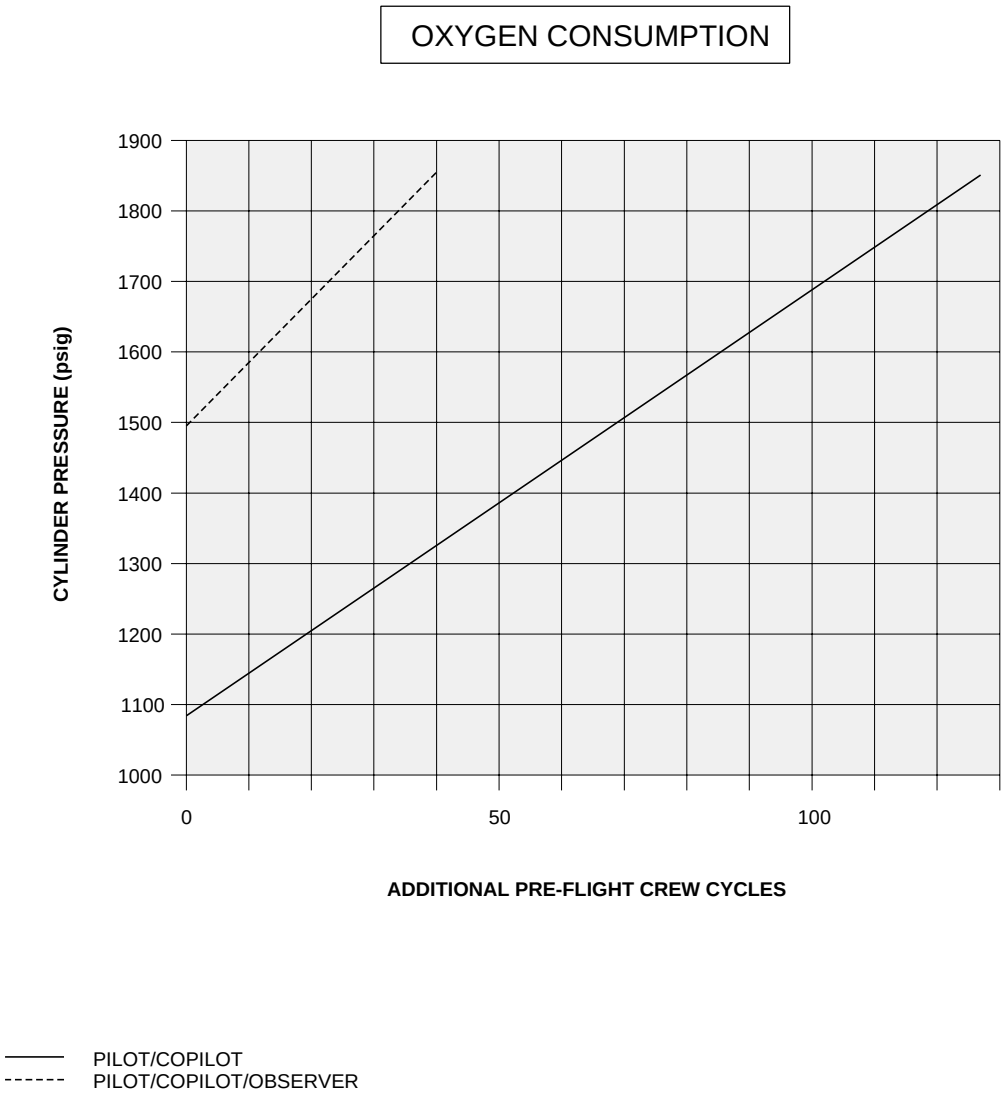
EFFECTIVITY: ACFT MODEL(S) EMB-135
Oxygen Consumption Chart
Figure 603



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