



Fig. 4-4. Oxygen Panel

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4-26. LIGHTING SYSTEM.

4-27. Not applicable to this aircraft, as there are no lights except warning lights installed.

4-28. OXYGEN SYSTEM.

4-29. A high-pressure oxygen system is installed in the aircraft. The entire system is attached to the pilot's seat (see Fig. 1-23), and can also be used during bailout. The pressure breathing mask is incorporated in the headgear of the special flight clothing (see Fig. 1-26) designed specifically for use with this aircraft. The system may be refilled through a filler valve located on the aft side of the pilot's seat (see Fig. 1-23).

4-30. OXYGEN SUPPLY.

4-31. The oxygen system is supplied by one Type C-1 oxygen cylinder located in the bottom aft portion of the pilot's seat (see Fig. 1-23). The approximate duration of the oxygen system is given in Fig. 4-3.

4-32. OXYGEN REGULATOR. A diluter-demand oxygen regulator is installed on the aft side of the pilot's seat (see Fig. 1-23) with remote controls mounted on the right arm of the pilot's seat (see Fig. 4-4). The regulator when set to "NORMAL" supplies a proper mixture of air and oxygen at all times up to a cockpit altitude of approximately 30,000 feet, where it will automatically supply 100 per cent oxygen at this

altitude and above. The positive pressure mechanism automatically raises the pressure in the mask with cockpit altitudes above 35,000 feet, as shown in the following table:

<i>Positive Pressure Inches of Water</i>	<i>Cockpit Pressure Altitude in Feet</i>
2	35,000 to 40,300
4	37,000 to 41,000
6	39,000 to 41,500
8	41,000 to 42,000
10	43,000

4-33. OXYGEN SYSTEM CONTROLS.

4-34. OXYGEN REGULATOR DILUTER LEVER REMOTE CONTROL. An oxygen regulator diluter lever remote control mounted on the oxygen panel (see Fig. 4-4) is provided to select either "NORMAL OXYGEN" or "100% OXYGEN."

4-35. OXYGEN REGULATOR SAFETY PRESSURE REMOTE CONTROL. An oxygen regulator safety pressure remote control mounted on the oxygen panel (see Fig. 4-4) is provided to deliver oxygen to the regulator outlet at $1\frac{3}{4}$ ($\pm \frac{1}{4}$) inches of water pressure. This permits pressure to build up inside of the face mask and eliminates inward leakage at the mask, preventing the entrance of smoke or other gases into the mask. This control should only be used in case of