Booster Operating Procedures

1. Verify that all connections have been properly made.

2. Verify that the cylinder has been placed in an appropriate fill station.

3. Verify that the automatic shutoff is set no greater than the maximum pressure of the cylinder.

   WARNING

   Pressure switch settings are pre-set at the factory and should not require any adjustment. Improper adjustment of pressure switches could result in physical injury. Please contact the factory in cases where pressure switch settings do not meet fill station requirements.

4. Close both valves on the booster panel.

5. Slowly open valve on the cascade system or storage tank to full open.

6. Slowly open cylinder valve to full open.

7. Open the outlet valve on the air booster panel to full open.
   a. If the air in the cascade bottles or compressor storage tank is higher than the cylinder being filled, it will free flow through the booster until equalized.
   b. The booster has stopped free flowing when the pressure indicated on both booster gauges becomes equal and no sound is detected.

8. Turn the booster on with the starter switch on the booster panel.

9. Monitor the filling of the cylinder by the indicated pressure on the outlet gauge.
   a. There may be some normal decrease of indicated pressure on the inlet pressure gauge, depending upon the size of the cascade system or compressor storage tank.
   b. The booster can be manually shut off, for any reason, at any time, before it reaches the pre-set pressure of the automatic shutoff switch.
   c. If the booster has not been shut off manually, it will shut off at the pre-set pressure of the automatic shutoff switch.
   d. If the shutoff switch should malfunction or has been tampered with, the safety relief valve in the booster will automatically relieve the pressure.

Operating Procedures
(continued)

10. When the pressure has been reached and the booster has stopped, close the valve on the cylinder being pressurized.

11. Close the outlet valve on the air booster.

12. Slowly open the outlet bleed valve on the air booster (this drops the pressure on the hose between the booster and the cylinder being pressurized).

13. Disconnect the full cylinder and replace it with an empty one. Repeat steps 4-12.

14. At the end of the cylinder fill session:
    a. Close the valve on the cascade or compressor storage tank.
    b. Slowly open both valves on the booster to bleed booster air system. The pressure indication on both booster gauges will return to zero.