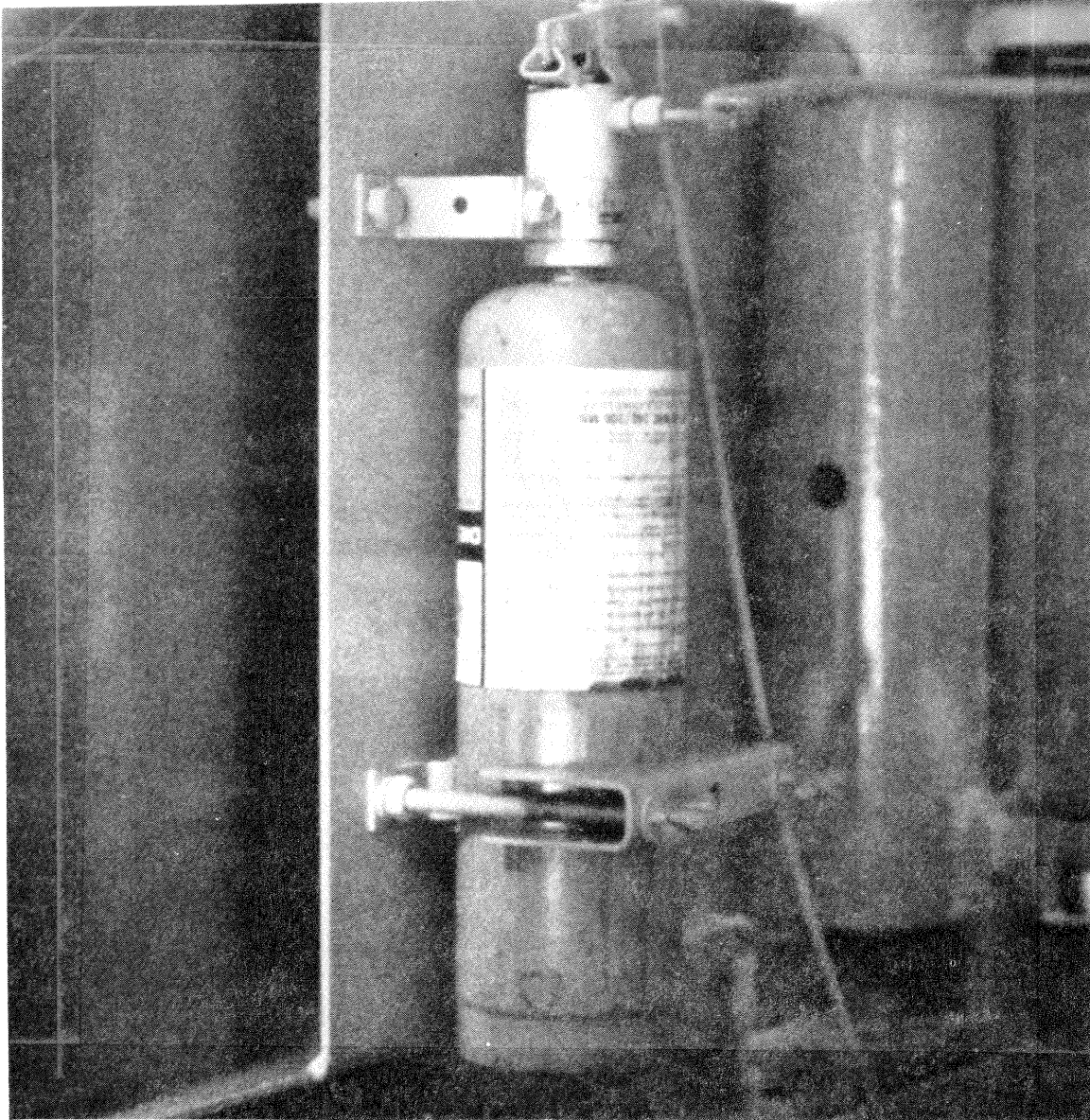


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## QUICK START OPERATIONAL INSTRUCTIONS AND TROUBLESHOOTING GUIDE



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### OPERATIONAL PROCEDURES

#### 1. TO ACTIVATE VALVE

- A. Pull the handle located in the dashboard. Wait (3) seconds to fill valve.
- B. Push handle "IN" to discharge shot.
- C. Allow (3) seconds for shot to discharge.

#### 2. STARTING INSTRUCTIONS

- A. On engines over 500 CID, actuate the valve prior to cranking.
- B. On engines under 500 CID, actuate the valve during cranking.
- C. As the engine starts, use additional shots, if necessary, to keep the engine running.

3. **CAUTION:** Use only for starting.  
Use only for Diesel Engine application.

### PREVENTIVE MAINTENANCE

- 1. Periodically apply a light coat of oil to the exposed portion of the valve shaft.
- 2. During the summer months remove the cylinder to avoid high temperature actuation of the cylinder's safety relief device. Always screw the valve cap into the valve opening to prevent entrance of dirt.
- 3. When removing the cylinder, take care in preventing dirt from entering the valve.

### TROUBLESHOOTING

- 1. Check the cylinder for hand tightness and fuel supply. An empty cylinder weighs approximately 482 GRM (17 oz.). A full cylinder weighs approximately 1049 GRM (37 oz.). Before replacing a cylinder, install a new valve gasket, (Quick Start Part #QS-1181) in a valve.
- 2. If the unit is not functioning, disconnect the tubing at the valve fitting. Actuate the valve.
  - A. If the valve still does not function, remove.
  - B. Repair the valve with Repair Kit, Quick Start Part #QR1.
  - C. If the valve is now functioning, reassemble the valve fitting and connect the tube.
- 3. Now actuate the system. If fuel is not discharged from the tube, the fuel line is clogged.
  - A. Remove the tube and blow out or replace.
  - B. Replace the tube to the valve and atomizer. Remove the atomizer from the engine and actuate the valve. If there is no discharge of ether from the atomizer, the atomizer is plugged and should be replaced.

**IMPORTANT:** The contents of the fuel cylinder are under pressure and extremely flammable. The cylinder contains Ethyle ether. Keep away from heat, sparks and open flame. Do not store at temperatures above 90°C (200°F). Keep out of reach of children; avoid contact with the skin and breathing of vapor.