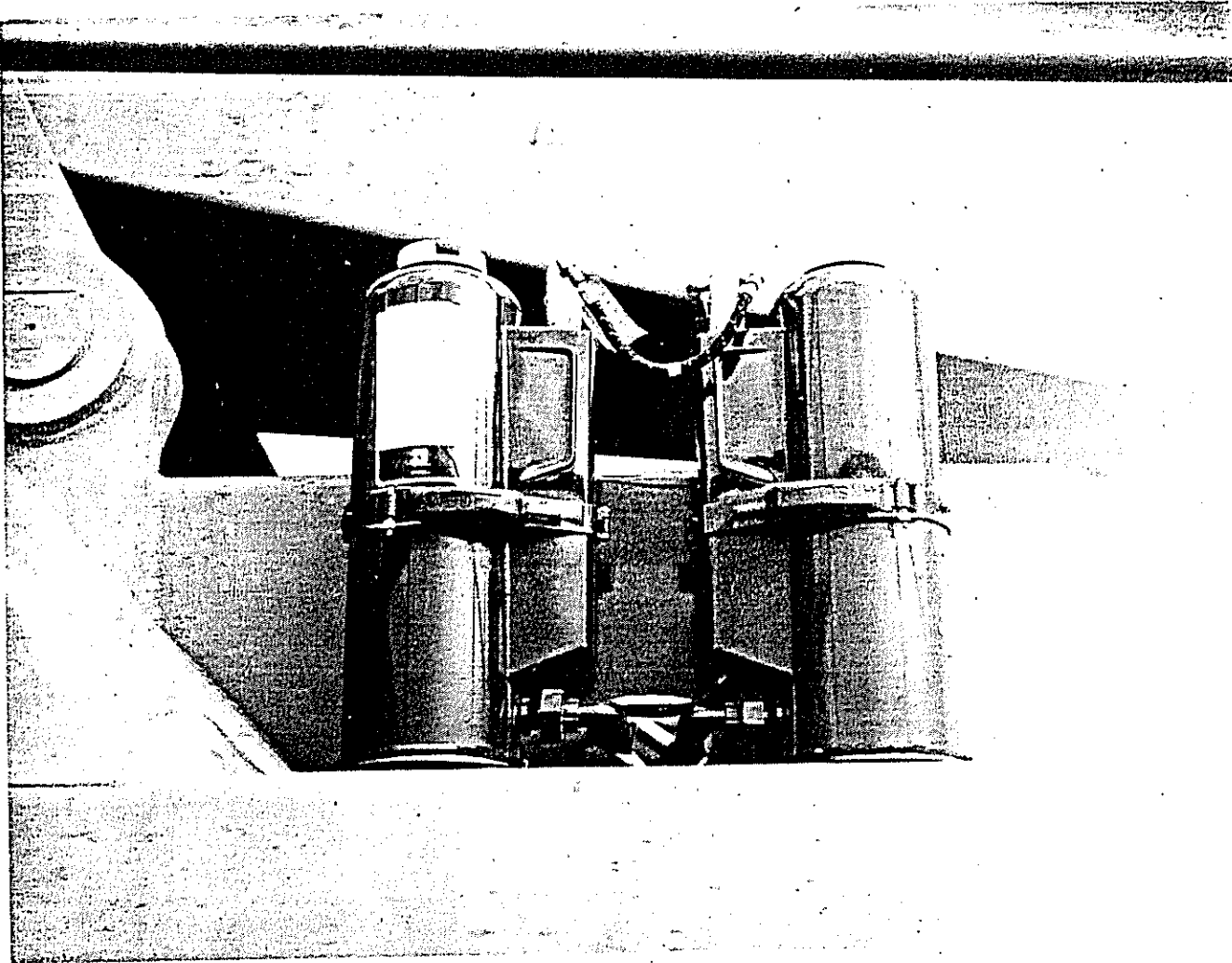


**SERVICING THE ANSUL
FIRE EXTINGUISHER**



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To assure your machine of protection against fire, make certain that the fire extinguisher system is checked and serviced regularly. While local jurisdiction may require more or less rigid inspections, we feel the following is adequate as a guideline.

Every (30) days you should weigh each cartridge for correct weight. WEIGHT MUST BE WITHIN 1/4 OUNCE OF WEIGHT STAMPED ON CARTRIDGE. A special scale for weighing ounces is available at a minimal cost for this purpose. Contact your nearest Ansul representative.

Remove the union (Item 9, FIGURE 1) on fire extinguisher. Remove the caps on the nozzles (located in chassis compartment) - blow through the lines from the union side, making sure the lines are not plugged. Replace caps and reinstall union. Visually check complete system. Every six months a thorough check should be made as follows:

1. Note general appearance for mechanical damage or corrosion.
2. Check nameplate for legibility, corrosion, or looseness.
3. Remove fill cap assembly, (Item 1).
4. Examine fill cap gaskets (Items 2 & 3) for elasticity - clean and coat lightly with a good grade of high heat resistant grease.
5. Inspect threads on fill cap and in fill opening for nicks, burrs, cross threading, rough or feathering edges.
6. Check pressure relief vent in fill opening threads for obstruction.
7. Make certain extinguisher is filled with free flowing FORAY dry chemical to a level of not more than three inches from bottom of fill opening.
8. Secure fill cap, hand tighten.
9. Unscrew cartridge (Item 12) and weigh. REPLACE IF WEIGHT IS 1/4 OUNCE LESS THAN STAMPED ON CARTRIDGE.
10. Check elbow on receiver/actuator (Item 17) for tightness.
11. Examine cartridge receiver gasket, (between Items 11 & 12), for elasticity - clean and coat lightly with a good grade of high heat resistant grease. Return cartridge to receiver/actuator and hand tighten.

12. Disengage bursting disc union (Item 9) and open bracket clamp.
13. Lift extinguisher partially out of bracket and examine bursting disc (Item 8). It should be installed with full disc side facing extinguisher, properly seated and undamaged (scarred or ruptured). Take extinguisher all the way out of the mounting bracket and turn upside down to loosen any chemical that might have compacted.
14. Reposition extinguisher, connect bursting disc union (wrench tighten) and close bracket clamp.
15. Check hose, fittings, and nozzles for mechanical damage.
16. Make sure nozzles are covered by plastic caps (P/N 218809). If caps are missing and not readily available, pack nozzle openings with Dow Chemical #33 Grease, Low Temperature Silicone, until caps are available.

Refer to FIGURE 2, the Remote Actuator:

1. Remove cartridge (Item 1) and weigh. REPLACE IF WEIGHT IS 1/4 OUNCE LESS THAN STAMPED ON CARTRIDGE. Inspect threads on cartridge and in actuator for nicks, burrs, cross threading, rough or feathered edges. Check pressure safety vent in actuator body for obstruction. Examine actuator for elasticity - clean and coat lightly with a good grade of high heat resistant grease. Pull ring pin (Item 2) and operate actuator button (Item 3) several times to check for free movement.
2. Replace ring pin and cartridge. A rubber seal is contained within the actuator housing. Hand tighten.
3. Notify operating personnel extinguishing system is in service, and record date of maintenance check.

NOTE: At the present time the fire extinguisher system is not guaranteed below 32°F. But there are no problems anticipated for operation to 0°F. Below this temperature we recommend the bottles be covered with suitable insulation. This is due to the CO₂ cartridge that actuates the chemical. CO₂ loses pressure with lower temperatures. The factory estimates that enough pressure exists until 0°F.

5. Fill extinguisher to rated capacity with ANSUL FORAY Dry Chemical, P/N 218810.
6. Clean fill opening threads and gasket seating surface.
7. Secure fill cap and hand tighten (Item 1).
8. Remove empty cartridge, P/N 221961, (Item 12).
9. Weigh new cartridge, P/N 221961, (Item 12). WEIGHT MUST BE WITHIN 1/4 OUNCE OF WEIGHT STAMPED ON CARTRIDGE.
10. Screw fully charged cartridge into receiver/actuator assembly. Hand tighten.
11. Secure extinguisher in bracket.
12. Assemble bursting disc union (Item 9), wrench tighten.
13. Connect actuating circuit fitting at cartridge receiver/actuator assembly - wrench tighten.
14. NOTE: We use two remote actuators, one is located in the cab and one near exit steps (right hand side on most units). Only the discharged cartridge needs to be replaced. Replace cartridge (Item 1, FIGURE 2) in remote actuator that has been used. Pull out button, insert ring pin and remove empty cartridge. Weigh new cartridge (WEIGHT MUST BE WITHIN 1/4 OUNCE OF WEIGHT STAMPED ON CARTRIDGE), screw into actuator, hand tighten. Double check the weight of the other cartridge.
15. Check hose, fittings and nozzles for mechanical damage, replace all hose that has been exposed to fire areas.

On units with GMC or ALLIS CHALMERS engines, check airlines, fittings, and wires leading to engine shutoff mechanism.
On CUMMINS engines check electrical wires to fuel solenoid.
NOTE: You can use the air kit, furnished with most units, to blow out all lines and hoses.
16. Clean nozzles and cover with plastic caps. If these caps are not available, pack the nozzles with Dow Chemical #33 Grease, Low Temperature Silicone, until caps are available.
17. Notify operating personnel fire extinguisher system is back in service, and record date of recharge.

16. Check the nozzles for mechanical damage. Clean and reinstall the blow-off caps.
17. Pull up the button on the remote actuator and insert the ring pin.
18. Remove the spent cartridge.
19. Replace with a fully charged cartridge (P/N 218686).
20. Attach a lead and wire seal to the ring pin and actuation button.
21. The system is now ready for use.