

# TECHNICAL MANUAL

## OPERATION, SERVICE and REPAIR INSTRUCTIONS

### FIRE EXTINGUISHER

#### DRY CHEMICAL, WHEELED

#### Model WDC-150b and 350b

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MANUFACTURED BY

#### GENERAL FIRE EXTINGUISHER CORP.

New York • Chicago • Philadelphia • San Francisco • Detroit  
Houston • Dallas • Atlanta • Seattle • Culver City, California

Part No. 8234

## OPERATION

When fire occurs, wheel fire extinguisher to within approximately 40 ft. of fire, preferably upwind.

### TO OPERATE — KEEP UPRIGHT

1. Open nitrogen cylinder valve fully.
2. Uncoil complete length of hose—remove all hose from hanger and make sure that all kinks are removed.
3. Open nozzle and direct stream at base of flame with side to side motion. Use straight flow with care within 10 ft. of burning liquid. Approach fire area from upwind, if possible.
4. After fire has been extinguished, close nozzle and stand by to assure no reignition occurs.
5. After use, recharge immediately (see recharge instructions).

## RECHARGE INSTRUCTIONS

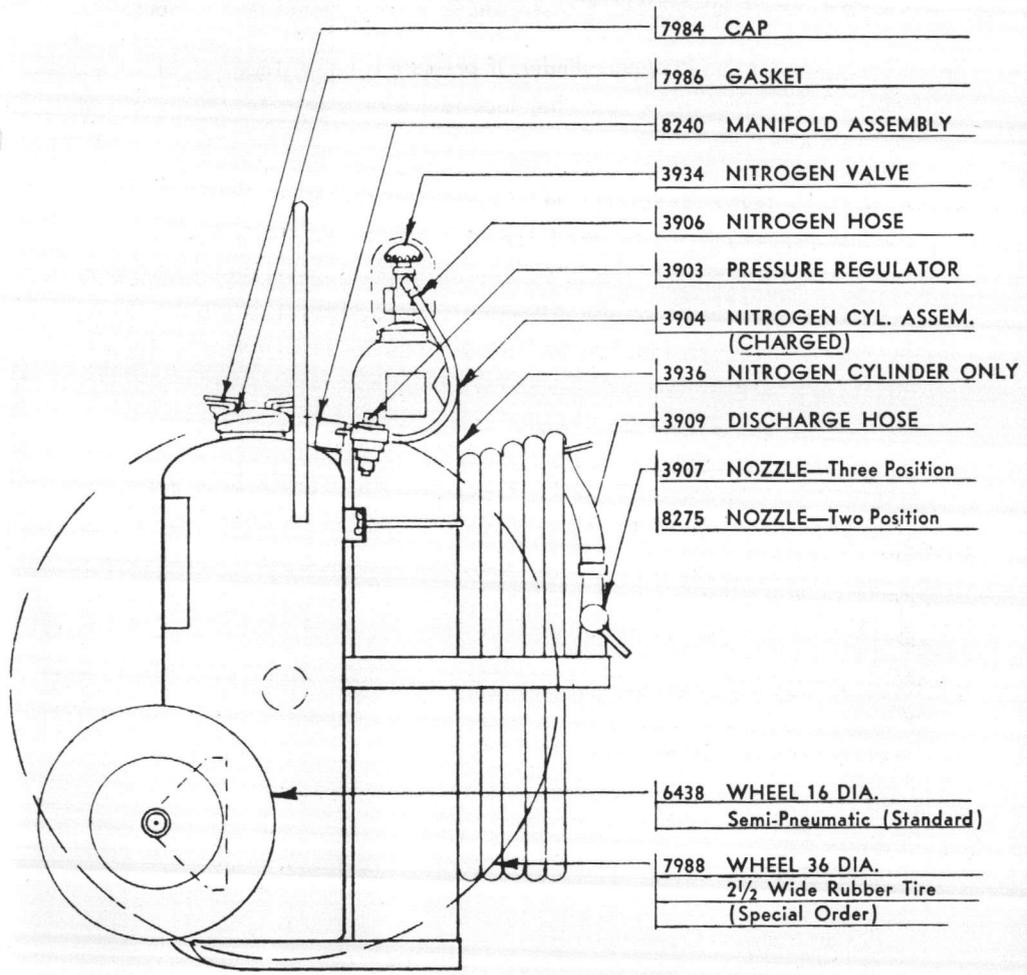
### **CAUTION—Never Recharge Damaged Extinguisher**

1. After use, recharge immediately.
2. Close nitrogen valve.
3. Invert extinguisher by tipping onto the handle.
4. Open hose nozzle to release pressure and blow powder out of hose. If there is no pressure in the dry chemical tank to blow out hose, the nitrogen valve may be opened until the hose is blown free of powder.
5. Set extinguisher right side up and remove fill cap. Replace dry chemical used on fire with GENERAL dry chemical powder. Powder level immediately after filling with fresh powder should be approximately 3 inches for both models from the top of the fill opening. Powder level after thorough settling should be approximately  $7\frac{1}{2}$  in. for the 150 lb. extinguisher and  $5\frac{1}{2}$  in. for the 350 lb. extinguisher from the top of the fill opening.
6. Inspect condition of the fill cap gasket and replace cap securely.
7. Replace nitrogen cylinder if pressure is below 1500 lbs. at 70° F.
8. To replace nitrogen cylinder, disconnect high pressure hose coupling from valve—remove all dry chemical hose from hose hanger—remove cylinder clamp by loosening wing nuts. Replace nitrogen tank—make sure that gauge faces toward powder tank. Replace cylinder clamp—reconnect high pressure hose coupling to valve—tighten coupling with wrench.
9. Recoil dry chemical hose on hose hanger—replace nozzle in nozzle holder. Seal nitrogen cylinder with lock seal wire.
10. Mark recharge date on inspection tag.

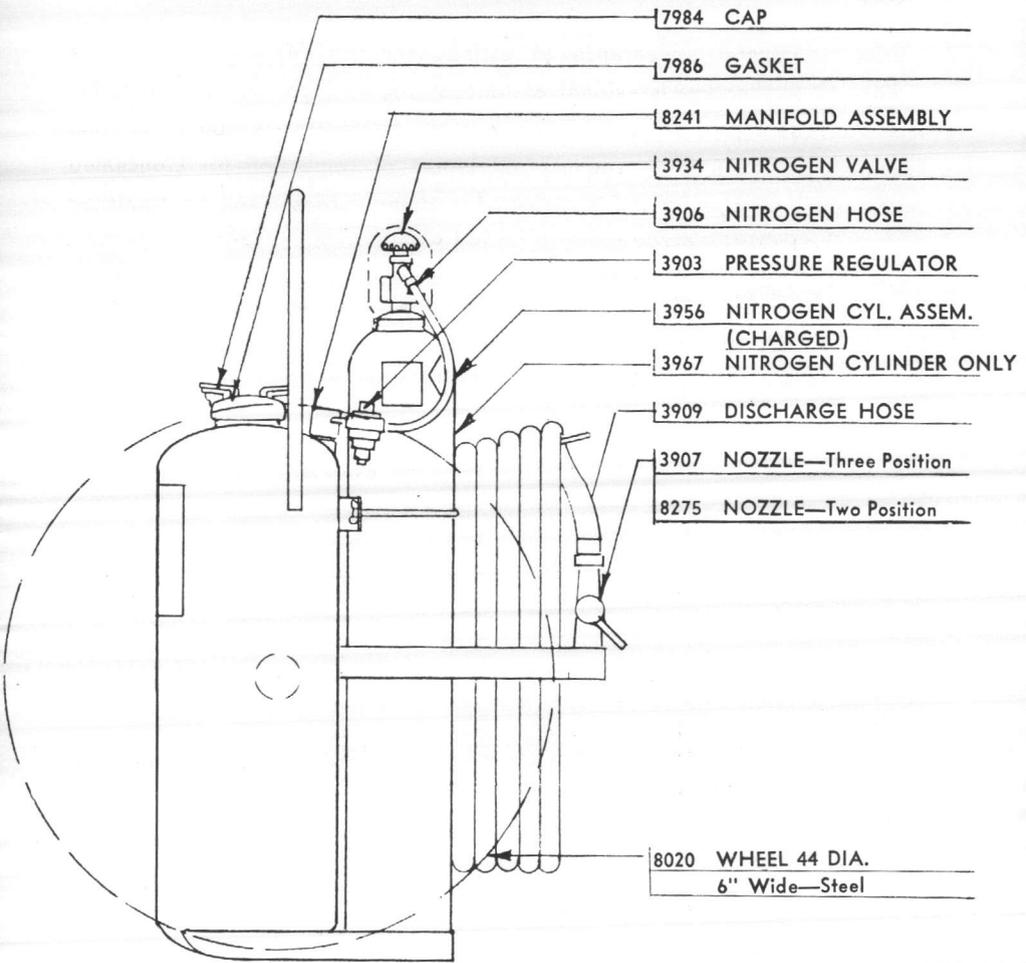
## MAINTENANCE

1. Inspect every six months. Check unit for damage and corrosion. Rotate wheels to check lubrication. Grease wheels if they do not revolve smoothly.
2. Check pressure in nitrogen cylinder. If pressure is below 1500 lbs. at 70° F., replace the cylinder. Be sure that lock seal wire is on nitrogen valve and manifold assembly.
3. Remove fill cap on chemical tank. Check powder to be sure that it is free-flowing and tank is full to rated capacity. Powder level immediately after filling with fresh powder should be approximately 3 inches for both models from the top of the fill opening. Powder level after thorough settling should be approximately 7½ in. for the 150 lb. extinguisher and 5½ in. for the 350 lb. extinguisher from the top of the fill opening. Examine fill cap gasket for damage and replace, if necessary. Replace fill cap securely.
4. Nozzle and hose assembly must be unobstructed. Loosen hose couplings and inspect hose to make sure that there is no powder or obstruction in the hose. Operate nozzle handle to insure that it moves freely. Reassemble hose and nozzle—replace nozzle in holder—make sure that it is in closed position.
5. Mark date of inspection on inspection tag.
6. Maintain and test in accordance with N. F. P. A. Standard No. 10.

# WDC-150b



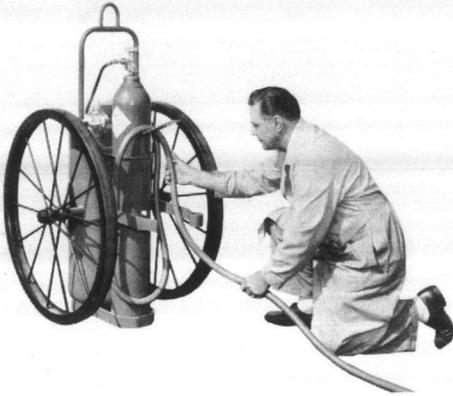
WDC-350b



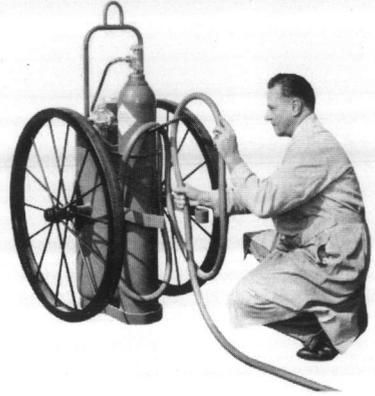
## ASSEMBLY OF NEW EXTINGUISHER

1. Extinguisher is shipped empty with dry powder in separate containers on pallet.
2. Examine general appearance of extinguisher for shipping damage. If damage or shortage is evident at time of delivery, demand an inspection or shortage report from delivering carrier. If shipment is signed for, and damage is found later, request a "Report of Inspection for Concealed Damage." Original shipping papers for claim purposes will be furnished upon request. These goods were packed with care by experienced packers and we will not assume responsibility for breakage occurring in transit.
3. Remove strapping from hose and remove extinguisher from pallet by removing the lag screws in the base of the extinguisher between the nitrogen tank and the dry chemical tank.
4. Remove the shipping cap from the nitrogen cylinder and retain for use when cylinder is empty.
5. Attach high pressure hose coupling to nitrogen cylinder valve and tighten with wrench.
6. Check discharge hose couplings to make sure that they are tight. Operate nozzle handle to insure that it moves freely—replace nozzle in holder.
7. Check nameplate for rated capacity and fill with correct amount of GENERAL dry chemical powder.
8. Inspect extinguisher as outlined under maintenance instructions.

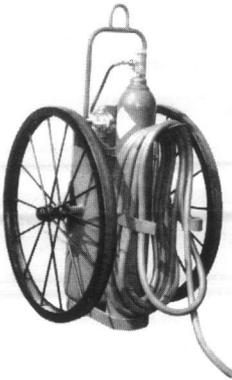
## HOW TO COIL HOSE



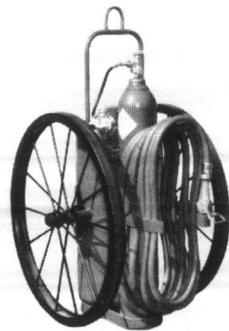
1. First loop is started clockwise and completed by placing over bracket. Coil should not touch ground.



2. A reverse loop follows the first. Notice that hose passes behind loop to make the reverse loop.



3. Alternate loops are reverse loops. Follow steps one and two until all hose is coiled on the bracket.



Adjust coils so nozzle fits into holder easily. Hose coiled in this manner will pull out free of twists.