

**Model 204 - 2.0 kg CO2 Fire Extinguisher**  
**Model 354 - 3.5 kg CO2 Fire Extinguisher**  
**Model 504 - 5.0 kg CO2 Fire Extinguisher**

**\*\*\* RECHARGE EXTINGUISHERS IMMEDIATELY AFTER USE \*\*\***

All fire extinguishers should be installed and maintained in accordance with the relevant standards (AS 2444 and AS 1851) and the requirements of all authorities that have jurisdiction in relation to fire extinguishers. When maintenance is indicated, it should be performed by trained persons using proper equipment. Fire extinguishers are pressure vessels and must be treated with respect and handled with care. They are mechanical devices and require periodic maintenance to be sure that they are ready to operate properly and safely.

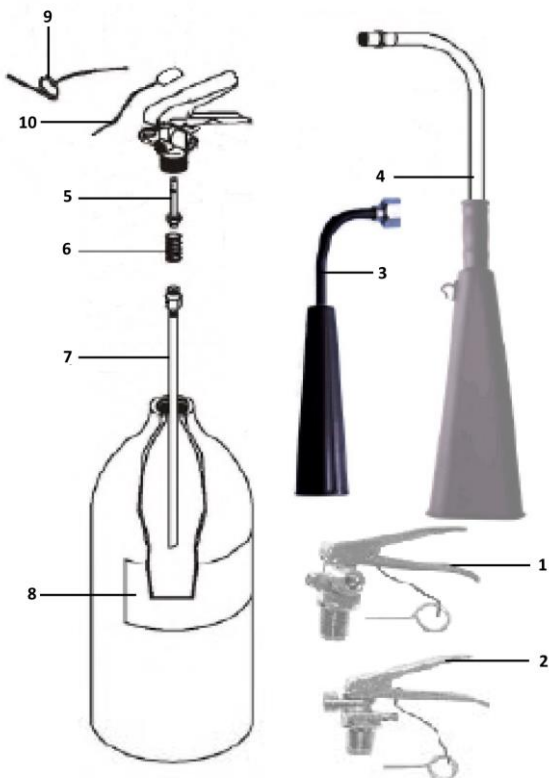
Extinguishers should be serviced only with original and genuine spare parts – the use of substitute parts constitutes the void of any warranty covering the equipment.

This manual is produced to provide a guide to Qualified Service Personnel in the inspection, maintenance and recharge of these units.

**INSPECTING THE EXTINGUISHER**

This extinguisher should be inspected at regular intervals (Monthly or more often if circumstances dictate) to insure that it is ready for use. Inspection is a quick check that an extinguisher is available and will operate. Inspection is completed by seeing that the extinguisher is located in its designated place and has not been actuated or tampered with, and that there is no obvious physical damage or condition to prevent operation.

**SCHEMATIC DIAGRAM & PARTS LIST**



Item	Part No.	Description
1	L-02040	Valve Assembly 204
2	L-03540	Valve Assembly 354 & 504
3	L-02041	Nozzle Assembly 204
4	L-03541	Hose & Horn Assembly 354 & 504
5	L-02042	Valve Stem Assembly
6	L-02043	Spring
7	L-02044	Downtube 204
7	L-03544	Downtube 354
7	L-05044	Downtube 504
	L-02045	Wall Bracket 204
	L-03545	Wall Bracket 354
	L-05045	Wall Bracket 504
8	L-02049	Label
8	L-03549	Label
8	L-05049	Label
9		Ring Pin
10		Safety Seal

## **MAINTENANCE PROCEEDURE**

- WARNINGS :**
- Do NOT transport a damaged or corroded extinguisher in a charged condition.
  - CO2 extinguishers should only be discharged in a well ventilated space.
  - No operative part other than the hose and horn assembly must be removed by anyone other than an approved Cylinder Test Station.

Fire Extinguishers need to be maintained in accordance with the relevant standards AS 1851. Maintenance is a thorough check of the extinguisher. It includes a thorough physical examination and any necessary repair or replacement.

1. Clean Extinguisher to remove dirt, grease or any foreign material. Check to make sure that the instruction Label is securely fastened and legible. Inspect the cylinder for corrosion, abrasion, or any other damage. If damage is found to cylinder hydrostatic testing of the cylinder should be carried out to determine if it can continue to be in service or if replacement is necessary.
2. Inspect the extinguisher for damaged, missing or substitute parts. Only genuine parts are approved.
3. Check the date when last recharged.
4. Weigh extinguisher and compare with weight printed on the label. Recharge extinguisher if weight does not agree with the weight on Nameplate.
5. Check the date of manufacture on the extinguisher. Extinguisher must be hydrostatically tested every 5 years to the test pressure indicated on the label
6. Inspect discharge lever for freedom of movement. Inspect carrying handle for proper installation. If lever, handle or rivets are damaged – replace.
7. Remove hose assembly. Inspect hose gasket (O-Ring), hose and nozzle assembly for discharge, blockage or damage – replace as necessary. Blow air through hose and nozzle to ensure passage is clear of foreign material
8. Install hose and nozzle assembly.
9. Install ring pin and new tamper seal and record service data on the extinguisher inspection tag.
10. Replace the extinguisher in the proper location. Make sure extinguisher fits the bracket properly – install new bracket if necessary.

## **RECHARGE PROCEDURE**

Recharging is the replacement of the extinguishing agent and also includes the expellant.

- WARNINGS :**
- All repairs to CO2 Extinguisher s other than replacement of Hose and horn assembly CAN ONLY be carried out by an approved Cylinder Test Station.
  - CO2 extinguishers must be fully discharged before any repairs or inspection is commenced. Discharge in a well ventilated space. Do NOT transport a damaged or corroded extinguisher in a charged condition.

1. Complete the Maintenance Service Procedure Steps 1 to 9.
2. Follow the safety procedure prior to removing valve according to AS2337.
3. Empty extinguisher of all remaining pressure and extinguishing agent.
4. Remove valve assembly and disassemble by removing downtube, spring and valve stem assembly.
5. Thoroughly rinse all parts with clean water and wipe dry with a soft cloth. Blow the valve out with air or nitrogen. Inspect the downtube. If it is cracked or deformed – replace.
6. Conduct cylinder inspection in accordance with AS2030 and AS2337.
7. Fill extinguisher with the correct amount of Carbon Dioxide by mass (weight). With the extinguisher on an accurate scale, fill to the exact mass from a clean, dry supply of Carbon Dioxide.
8. Check the extinguisher for leakage using leak detection fluid.
9. Install hose and horn assembly.
10. Install ring pin and new tamper seal. Record recharge date and attach new recharge tag.

