

ABC / BC
DRY CHEMICAL
HAND PORTABLE
FIRE EXTINGUISHERS



SERVICE MANUAL

Part No. LS-C-81411 REV 7/23

UL & ULC

All fire extinguishers should be installed, inspected, and maintained in accordance with the National Fire Protection Association (NFPA) 10, 2013 Edition "Standard for Portable Fire Extinguishers" and local authorities having jurisdiction. Oval Fire Products also recommends installation in accordance with the Americans With Disabilities Act (ADA), ANSI/ICC A117.1, and the Accessibility for Ontarians with Disabilities Act (AODA).

When installation, inspection, or maintenance is required, Oval Fire Products recommends the work be performed by NFPA 10 (2013) certified personnel. For inspection and maintenance, many jurisdictions require licensure for either the servicing company, its personnel, or both. Fire extinguishers are pressure vessels and must be inspected and handled responsibly. They are mechanical devices and require periodic maintenance to ensure that they are in a proper and safe operating condition.

Oval Fire Products does not service, maintain, or recharge fire extinguishers. This manual is published as a guide to assist qualified personnel in the inspection, maintenance, and recharge of Oval fire extinguishers only. This service manual includes parts lists and pictograms for each unit being serviced. The service manual cannot anticipate all the possible malfunctions that may be encountered in the service of Oval fire extinguishers. It is possible that prior service performed on the fire extinguisher may have been improperly done. It is important that all warnings, cautions, and notes in this manual be carefully observed and followed. Serious injury is possible if the service manual's instructions, along with the NFPA 10 guidelines, are not followed.

Oval Fire Products assumes no liability for service, maintenance, or recharge of fire extinguishers by publishing this service manual.

Oval Fire Products makes original equipment manufacturer (O.E.M.) parts available to insure proper maintenance. Substituting O.E.M. parts, including the powder, voids the Oval Fire Products warranty. Substituting O.E.M parts is not consistent with parts tested in accordance with UL Standards and could render the extinguisher ineffective.

WARNING: ALWAYS WEAR EYE PROTECTION WHEN SERVICING DRY CHEMICAL FIRE EXTINGUISHERS

CAUTION: PERSONS EXPECTED TO USE THIS FIRE EXTINGUISHER SHOULD BE TRAINED IN ITS OPERATION AND BE FAMILIAR WITH THE OWNER'S MANUAL

RECHARGE FIRE EXTINGUISHERS IMMEDIATELY AFTER ANY USE

For installation instructions of the Oval fire extinguishers refer to all of the following:

1. Owner's manual – included with the extinguisher – Part No. LS-C-80411
2. NFPA 10 "Standard for Portable Fire Extinguishers – 2013 Edition"
3. Local authorities having jurisdiction (AHJ)

For operating instructions on Oval fire extinguishers refer to all of the following:

1. Fire extinguisher nameplate / decal
2. Owner's manual – included with extinguisher

Further information for operation may be found within NFPA 10 "Standard for Portable Fire Extinguishers – 2013 Edition". Many of your local Oval Fire Products distributors provide training as a service as well.

INSPECTION (ref 7.2 – NFPA 10, 2013)

These inspection procedures may not be sufficient for every location and jurisdiction. They should be used in conjunction with the NFPA 10 Standard for Portable Fire Extinguishers, 2013 edition and local regulations and building code requirements.

Fire extinguishers shall be manually inspected when initially placed in service. Inspect to make sure that the fire extinguisher is fully charged, has not been actuated or tampered with, and has no obvious physical damage that could prevent operation.

Fire extinguishers shall be inspected either manually or by means of an electronic monitoring device/system at intervals not exceeding 31 days. Fire extinguishers shall be inspected at least once per calendar month.

Fire extinguishers shall be manually inspected daily or weekly when conditions exist that indicate the need for more frequent inspections.

Periodic Inspection Procedures

Periodic inspection of fire extinguishers shall include a check of at least the following items:

1. Location in designated place
2. No obstruction to access or visibility
3. Pressure gauge reading or indicator in the operable range or position
4. Fullness determined by weighing or hefting
5. Seal and tamper indicators not broken or missing
6. Operating instructions on nameplate are legible and facing outward
7. Examine for obvious physical damage, corrosion, leakage, or clogged hose and/or nozzle

Fire extinguishers shall require visual inspection if they are located where any of the following conditions exists:

1. High frequency of fires in the past
2. Severe hazards
3. Locations that make fire extinguishers susceptible to mechanical injury or physical damage
4. Exposure to abnormal temperatures or corrosive atmospheres

When an inspection of any fire extinguisher reveals any deficiencies, not limited to the items listed above, immediate corrective action is required and shall be performed in accordance with the applicable maintenance procedures.

WARNING: IF AN EXTINGUISHER SHOWN SIGNS OF CORROSION OR MECHANICAL DAMAGE, IT SHALL BE SUBJECTED TO A HYDROSTATIC PRESSURE TEST OR REPLACED.

Manual Inspection Records

Where manual inspections are conducted, records for manual inspections shall be kept on a tag or label attached to the fire extinguisher, on an inspection checklist maintained on file, or by an electronic method.

Where manual inspections are conducted, the month and year the manual inspection was performed and the initials of the person performing the inspection shall be recorded.

Personnel making manual inspections shall keep records of all fire extinguishers inspected, including those found to require corrective action.

Records for manual inspection shall be kept to demonstrate that at least the last 12 monthly inspections have been performed.

Electronic Inspection Records

Where electronically monitored systems are employed for inspections, records shall be kept for fire extinguishers found to require corrective action.

Records for electronic monitoring shall be kept to demonstrate that at least the last 12 monthly inspections have been performed.

For electronically monitored fire extinguishers, where the extinguisher causes a signal at a control unit when a deficiency occurs, record keeping shall be provided in the form of an electronic event log at the control panel.

MAINTENANCE (ref 7.3 – NFPA 10, 2013)

Maintenance procedures shall include the procedures detailed in this service manual and a thorough examination of the basic elements of the fire extinguisher, including the following:

1. Mechanical parts of all fire extinguishers
2. Extinguishing agent
3. Expelling means
4. Physical condition

An annual external visual examination of all fire extinguishers shall be made to detect obvious physical damage, corrosion, or nozzle blockage to verify that the operating instructions are present, legible, and facing forward, and that the HMIS information is present and legible, and to determine if a 6-year interval examination or hydrostatic test is due.

At the time of the maintenance, the tamper seal of a rechargeable fire extinguisher shall be removed by operating the pull pin or locking device.

After the applicable maintenance procedures are completed, a new listed tamper seal shall be installed.

All removable extinguisher boots, foot rings, and attachments shall be removed to accommodate thorough annual cylinder examinations.

When subjected to temperatures at or above the listed rating, the fire extinguisher shall be emptied and subjected to the applicable maintenance and recharge procedures on an annual basis.

Corrective Action

When an external examination of any fire extinguisher reveals a deficiency, immediate corrective action shall be taken.

Oval dry chemical fire extinguishers shall be internally examined at intervals not exceeding 6 years.

When the internal maintenance procedures are performed during periodic recharging or hydrostatic testing, the 1-year maintenance requirement shall begin from that date.

Annual Maintenance Record Keeping

Each fire extinguisher shall have a tag or label securely attached that indicates that maintenance was performed.

The tag or label, as a minimum, shall identify the following:

1. Month and year maintenance was performed
2. Person performing the work
3. Name of the agency performing the work

Each fire extinguisher that has undergone maintenance that includes internal examination shall have a verification-of-service collar installed around the neck of the vessel.

Every 6 years, Oval dry chemical fire extinguishers shall be emptied and subjected to the applicable internal and external examination procedures as detailed in this service manual and per the NFPA 10 standard. When these examination procedures are performed during periodic recharging or hydrostatic testing, the 6-year requirement shall begin from that date.

Corrective Action

When an internal examination of any fire extinguisher reveals a deficiency, immediate corrective action shall be taken.

Six-Year Internal Examination Label. Fire extinguishers that pass the 6-year internal examination shall have the maintenance information recorded on a durable weatherproof label that is a minimum of 2 in. × 3-1/2 in. (51mm × 89 mm). The new label shall be affixed to the shell by a heatless process, and any previous 6-year internal examination labels shall be removed. These labels shall be of the self-destructive type when their removal from a fire extinguisher is attempted. The 6-year internal examination label shall, as a minimum, identify the following:

1. Month and year the 6-year internal examination was performed
2. Person performing the work
3. Name of the agency performing the work

MAINTENANCE, SERVICING, AND RECHARGING SHALL BE PERFORMED BY TRAINED AND CERTIFIED PERSONS HAVING THE APPROPRIATE SERVICE MANUAL, PROPER TOOLS, LUBRICANTS, RECHARGE MATERIALS, AND OVAL BRAND O.E.M. REPLACEMENT PARTS.

Fire extinguishers taken out of service for maintenance or recharge shall be replaced by spare extinguishers of the same type and an equal or greater rating.

MAINTENANCE PROCEDURE

1. Clean extinguisher to remove dirt, grease, and foreign material. Check to make sure that the instruction nameplate / decal and UL/ULC decal are securely fastened and legible. Inspect the vessel for corrosion, abrasion, and dents. If any of these are found on the vessel, or if you suspect that the integrity of the vessel may be compromised, hydrostatically test to factory test pressure. Use the proof pressure method in accordance with CGA Pamphlet C-1 and the NFPA 10 "Standard for Portable Fire Extinguishers – 2013 Edition.
2. Inspect the extinguisher and replace any parts that are damaged, missing, or corroded. If non O.E.M. parts are found, remove and replace with O.E.M. parts. Only factory O.E.M. parts are approved for use on Oval Fire Extinguishers.
3. Check the date of manufacturer stamped on the bottom of the vessel, or the date of the last hydrostatic pressure test on the label affixed to the extinguisher. Vessel must be hydrostatically pressure tested every 12 years to the test pressure indicated on the nameplate / decal. The following is an example of our stamp:

T585PSI-15KMK

T585PSI refers to a test pressure of 585 psi

15 refers to the year of manufacturer 2015

KMK is a quality control mark

4. Weigh the extinguisher. Extinguisher must fall within the +/- tolerance of the total charged weight limits as shown on the extinguisher label / decal. If found outside the tolerance limits, properly recharge the fire extinguisher.

5. The pressure gauge shall be inspected for damage and proper function. If necessary to replace the gauge, first depressurize the fire extinguisher. If the pressure gauge indicator is found below the green portion of the gauge faceplate, this may indicate a leak or discharge. If the pressure gauge indicator is found above the green portion of the gauge faceplate, it may indicate a faulty gauge or being overcharged with excess nitrogen gas.
6. Inspect and check the pull pin for proper movement. Replace if bent or if removal appears difficult.
7. Inspect the carrying handle and the associated rivets for proper installation and any damage.
8. Inspect the discharge lever (also referred to as the upper handle) for smooth and free movement. Inspect the discharge handle the associated rivet for proper installation and any damage.
9. Remove the hose and nozzle assembly and inspect the valve body interior for damage. Replace the hose assembly if cut, cracked, corroded, or any threads are found damaged.
10. Blow air through the hose and nozzle assembly at no greater than 50 psi to insure the assembly is clear of foreign material.
11. Inspect the valve assembly for corrosion and damage. Completely discharge the content of the fire extinguisher prior to removing the valve and/or replacing any parts associated with the valve.
12. Inspect the mounting bracket for any corrosion or damage. (Oval's mounting bracket is attached to the fire extinguisher between the valve and the vessel). Completely discharge the content of the fire extinguisher prior to removing the valve to allow for replacement of the mounting bracket.
13. Reinstall the hose and nozzle assembly.
14. Install new tamper seal.
15. Record service data on the fire extinguisher inspection tag. Install new inspection tag if required by local regulations.
16. Only install the fire extinguisher on the Oval button hook, or into an Oval heavy duty bracket in its proper location. Inspect Oval button hooks and heavy duty brackets for damage and proper installation as well. Oval fire extinguishers may be installed into suitable fire extinguisher cabinets without requiring the button hook.

Note: When reinstalling the valve assembly, both male and female threads must be clean and the threads must be properly aligned for the union nut to engage the vessel without any thread damage. Overtightening the valve may damage both the vessel and/or valve. Tighten union nut first by hand, followed by lightly turning union nut with Oval service wrench until it stops. When the union nut stops turning, no additional force is required.

OVERTIGHTENING THE VALVE AND/OR DAMAGING THE VALVE OR VESSEL THREADS WILL VOID THE WARRANTY AND REQUIRE REPLACEMENT OF THE FIRE EXTINGUISHER AT NO EXPENSE TO OVAL FIRE PRODUCTS CORPORATION.

HYDROSTATIC TESTING

Use Oval Fire Products Hydrostatic Test Adaptor part # LS-S-10550

RECHARGE (in accordance with section 7.7 - NFPA 10, 2013)

See page 9 for recharging procedures

LEAKAGE TROUBLESHOOTING GUIDE

WARNING: BE SURE THAT THE EXTINGUISHER IS COMPLETELY EMPTY AND DEPRESSURIZED PRIOR TO ATTEMPTING TO CORRECT ANY LEAKAGE PROBLEM.

Note: Attempt to locate the source and location of the leak before the extinguisher is depressurized. Leakage repairs will require that the extinguisher be completely empty and the valve assembly removed.

PROBLEM	CORRECTIVE ACTION
Leak at vessel & valve body union	Remove valve assembly, remove valve o-ring part no. LS-C-70060. Clean o-ring groove, install new o-ring, and apply small amount of grease* to o-ring. Clean vessel thread and the o-ring sealing surface.
Leak through valve	Remove siphon tube assembly, spring, and valve stem assembly. Clean inside of valve body. Inspect valve seat for scratches or foreign matter. Apply grease* to new valve stem assembly o-ring and install the new valve stem assembly part no. LS-SS-60902 into the valve body.
Leak during discharge under discharge lever	Remove siphon tube assembly, spring, and valve stem assembly. Clean inside of valve body. Inspect valve seat for scratches or foreign matter. Apply grease* to new valve stem assembly o-ring and install the new valve stem assembly part no. LS-SS-60902 into the valve body.
Leak during discharge	Tighten hose assembly to valve body
Defect in vessel	Contact an Oval Fire Products distributor if under warranty. Otherwise mark "CONDEMNED", remove from service, and if applicable, return to owner. Recycle discarded vessel.
Leak at gauge thread	Remove gauge and replace with new gauge part no. LS-C-80195. Clean gauge port threads, use 1/8-27 NPT pipe tap if necessary. Apply epoxy sealant (ARMSTRONG C-7 w/activator W or equivalent) to the threads of the new gauge. Be careful not to get any sealant into the hole in the face of the valve body gauge socket. Teflon tape is not recommended by Oval Fire Products.

After any corrective action to correct leakage problems, correctly reassemble and recharge the fire extinguisher, followed by checking for leaks.

*Oval Fire Products recommends Dow Corning Molykote® 55 o-ring grease during o-ring installation and service.

LIMITED WARRANTY

Oval Fire Products warrants its fire extinguishers to be free from defects in material and workmanship from the date of purchase for a period of 6 (six) years for Dry Chemical, and 5 (five) years for Water and Wet Chemical fire extinguishers.

During the warranty period, any such defects will be repaired or the defective extinguisher replaced IF THE ORIGINAL RED FACTORY TAMPER SEAL IS INTACT AND/OR IF ONLY FACTORY REPLACEMENT PARTS HAVE BEEN USED TO SERVICE THE EXTINGUISHER.

This warranty does not cover defects resulting from modification, alteration, misuse, exposure to corrosive conditions, improper installation or maintenance.

ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF FITNESS FOR PURPOSE AND MERCHANTABILITY, ARE LIMITED TO THE TIME PERIODS STATED ABOVE. IN NO EVENT SHALL OVAL FIRE PRODUCTS CORPORATION BE LIABLE TO INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Oval Fire Products neither assumes nor authorizes any representative or other person to assume for it, any obligation or liability other than expressly set forth herein. This warranty gives you specific legal right and you may have other rights, which vary from state to state.

For instructions on how to obtain performance of the obligation of this warranty, write to:

**Oval Fire Products
1140 N. North Branch St.
Chicago, IL 60642 USA
Phone: 630.635.5000 Fax: 630.303.9801
e-mail: info@ovalfireproducts.com
www.ovalfireproducts.com**

References in this Manual:

Oval Fire Products Owner's Manual – Part No. LS-C-80411

Available from:

Oval Fire Products

NFPA 10 Standard for Portable Fire Extinguishers 2013 Edition

Available from:

National Fire Protection Association

1 Batterymarch Park

Quincy, MA 02169-7471

www.nfpa.org

CGA C-1 Methods for Hydrostatic testing of Compressed Gas Cylinders

Available from:

Compressed Gas Association, Inc.

14501 George Carter Way

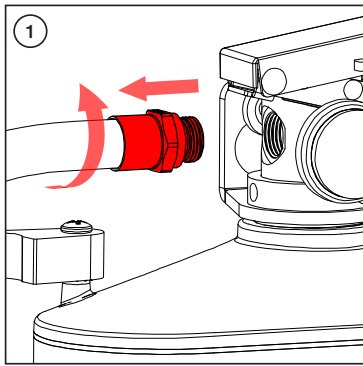
Suite 103

Chantilly, VA 20151

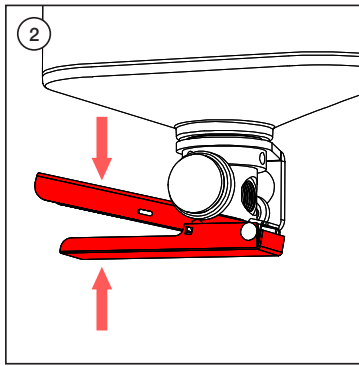
www.cganet.com

RECHARGING PROCEDURE

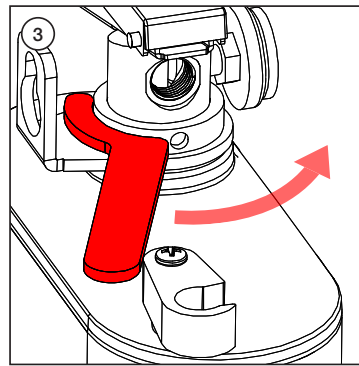
WARNING: Depressurize and completely empty the fire extinguisher prior to recharging. Failure to comply could result in injury, death, or property damage due to the rapid and violent movement of loosened components.



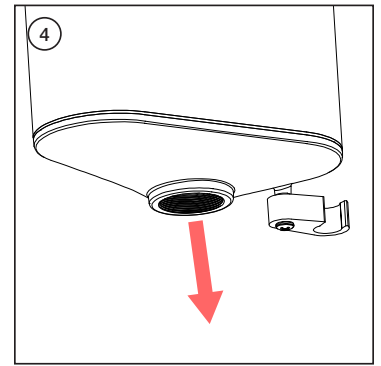
Remove the hose assembly by turning the assembly counterclockwise.



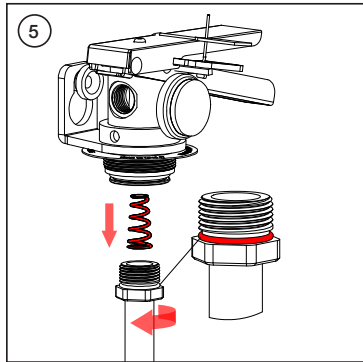
Invert the extinguisher and discharge all remaining pressurized gas.



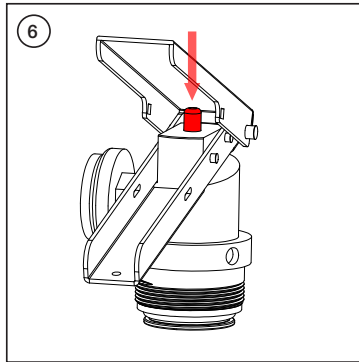
Return the extinguisher upright and set on workbench. Using Service Wrench part # LS-C-10557, rotate the union nut counter clockwise until the valve is free from the vessel.



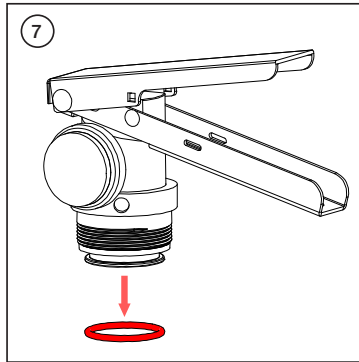
Invert the vessel to remove any remaining dry chemical powder.



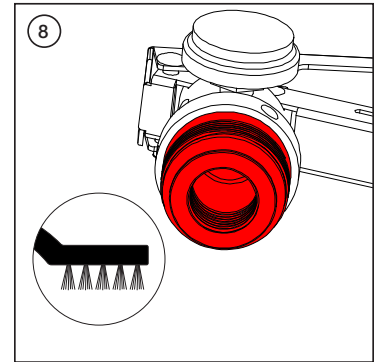
Rotate the siphon tube assembly counterclockwise to detach it from the valve body. Remove spring. Inspect Siphon Tube O-Ring part # LS-C-60250. Remove and replace o-ring if damaged.



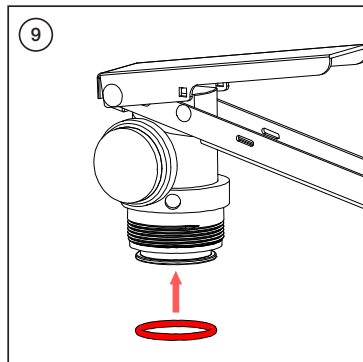
Using your finger or the pin on the Service Wrench, press down on the Valve Stem located under the discharge lever (upper handle).



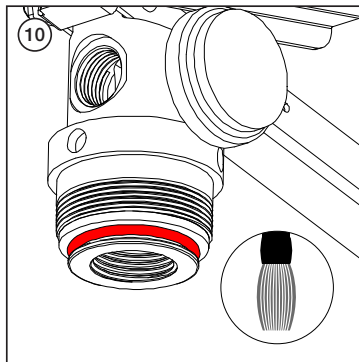
Remove the Valve O-Ring from the valve body.



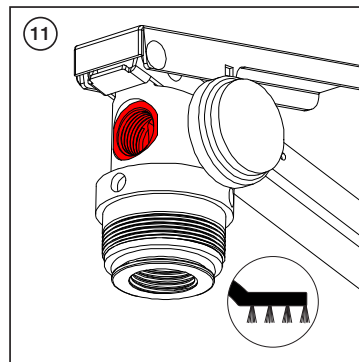
Using a small soft bristle brush, thoroughly clean the interior and exterior of the valve body, the valve o-ring groove, and the valve stem seat area.



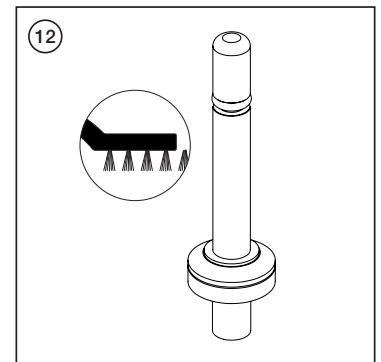
Carefully inspect new Valve O-Ring part # LS-C-70060 and install onto the valve body.



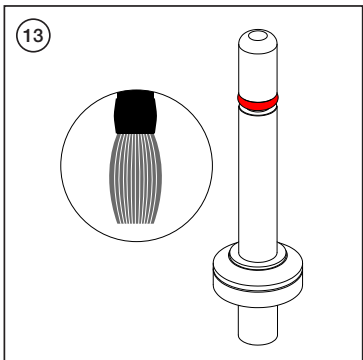
Lubricate the Valve O-Ring along the circumference. Oval Fire Products recommends Dow Corning Molykote® 55 o-ring grease.



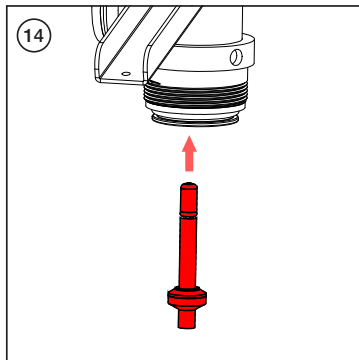
Clean the outlet orifice with a small, soft bristle brush.



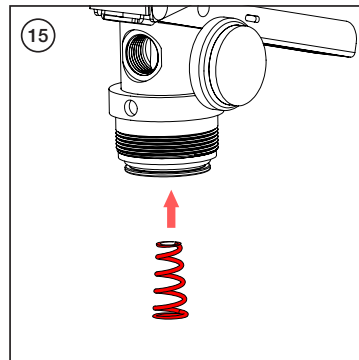
Clean the Valve Stem with a small, soft bristle brush. **Oval Fire Products recommends replacement of the valve stem part # LS-SS-60902 at every major service interval.**



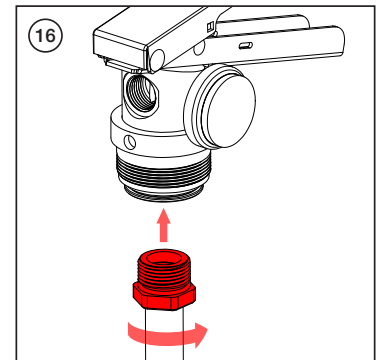
Place a very small amount of lubricant along the circumference of the Valve Stem's small o-ring only. **DO NOT** apply lubricant to the valve stem seat/gasket.



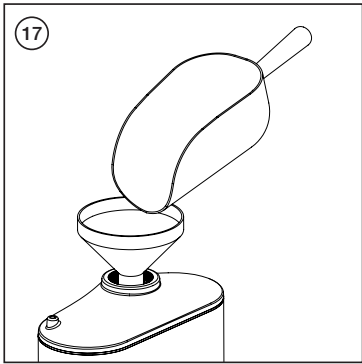
Re-insert Valve Stem into the valve body. Push into place with finger.



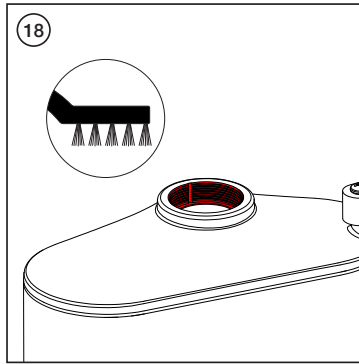
Return the spring to the siphon tube. Be careful to install it in the correct direction (larger end toward the siphon tube, smaller end toward the valve stem).



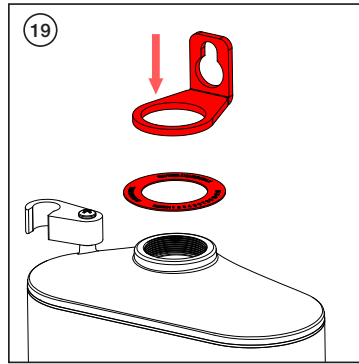
Turn siphon tube assembly clockwise into the valve body. Tighten to 5 foot pounds of torque.



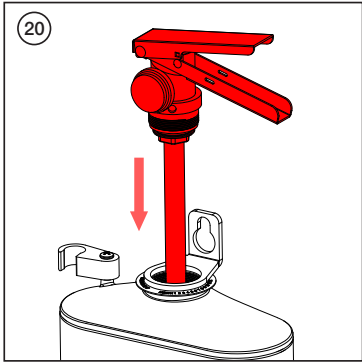
Fill the fire extinguisher vessel with the correct type and amount of dry chemical as stated on the fire extinguisher nameplate / decal.



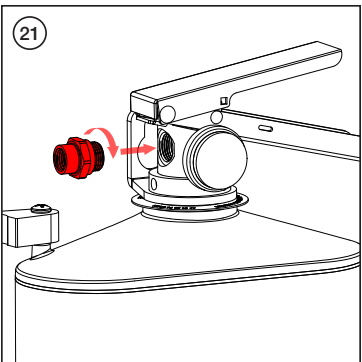
Using a small soft bristle brush, thoroughly clean the vessel's female threads, the pressure relief groove, and the o-ring sealing surface.



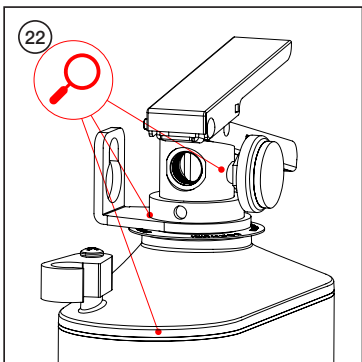
Place the mounting bracket on top of the vessel directly above the verification-of-service collar.



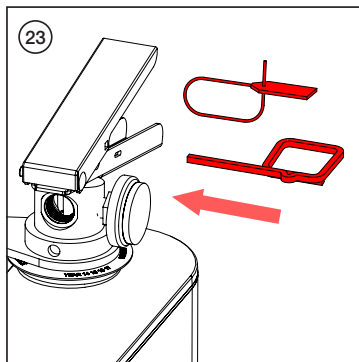
Return the reassembled valve and siphon tube to the vessel. When reinstalling the valve assembly, both male and female threads must be clean and the threads must be properly aligned for the union nut to engage the vessel without any thread damage. Align the valve's orientation (forward direction) as the union nut becomes fully tightened. Overtightening the valve may damage both the vessel and/or valve. Apply no more than 10 foot-pounds of torque to the Service Wrench when tightening the valve. **OVERTIGHTENING THE VALVE AND/OR DAMAGING THE VALVE OR VESSEL THREADS WILL VOID THE WARRANTY AND REQUIRE REPLACEMENT OF THE FIRE EXTINGUISHER AT NO EXPENSE TO OVAL FIRE PRODUCTS CORPORATION.**



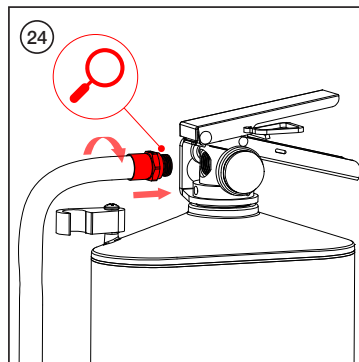
Install the Charging Adaptor part # LS-S-10560 into the valve outlet. Set the charging gas regulator to the desired pressure, as indicated on the fire extinguisher nameplate. Use dry nitrogen gas only. Connect nitrogen source to the Charging Adaptor, immediately followed by pushing down on the upper handle. Nitrogen gas will be forced around the valve stem and down the siphon tube into the vessel. It is normal for the fire extinguisher to jump, or to feel a small bump, during this step. Do not rely on the fire extinguisher's gauge for proper pressurization. Use the gauge installed on or after the gas regulator to properly measure the final pressure of the charge. Remove the Charging Adaptor.



Thoroughly check all areas on the fire extinguisher that may leak; particularly welds, gauge dial and threads, valve body o-ring, and the valve stem seat.



Install the pull pin part # LS-C-60530 through upper handle/discharge lever. Attach a new tamper seal.



Check the hose and nozzle assembly for blockage and foreign material. Replace Hose Adaptor O-Ring part # LS-C-10558 if damaged. Reinstall the assembly onto valve body by turning clockwise.

FIRE EXTINGUISHER
 RECHARGE & INSPECTION
 RECORD

MONTHLY INSPECTION
 RECHARGE RECORD

DATE	SIGNATURE
✓	✓

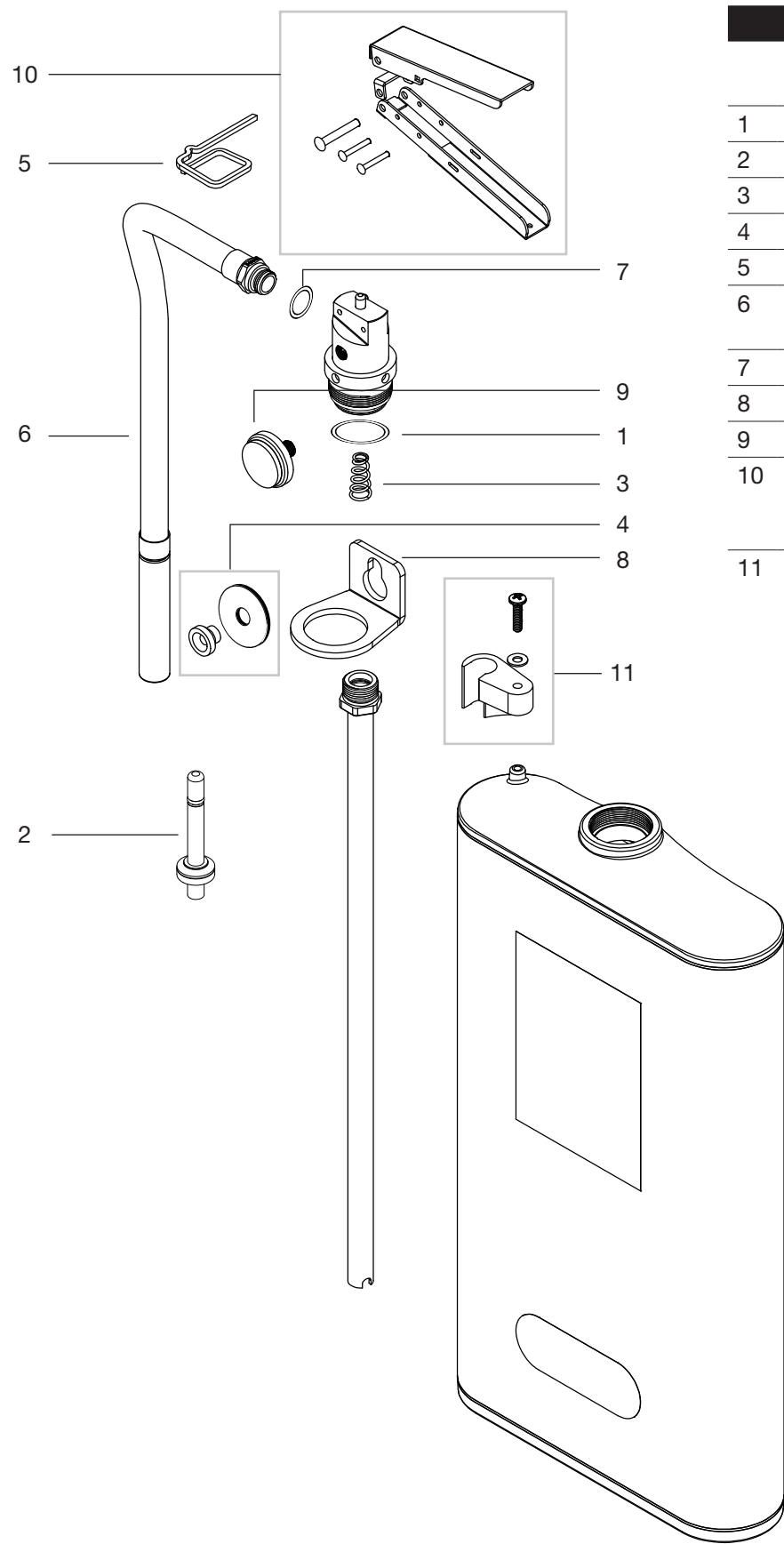
Record the service on the fire extinguisher's service tag.

Any questions?

Please feel free to email us at info@ovalfireproducts.com

**From all of us at
Oval Fire Products,
Thank you for performing
high quality service
for our customers!**

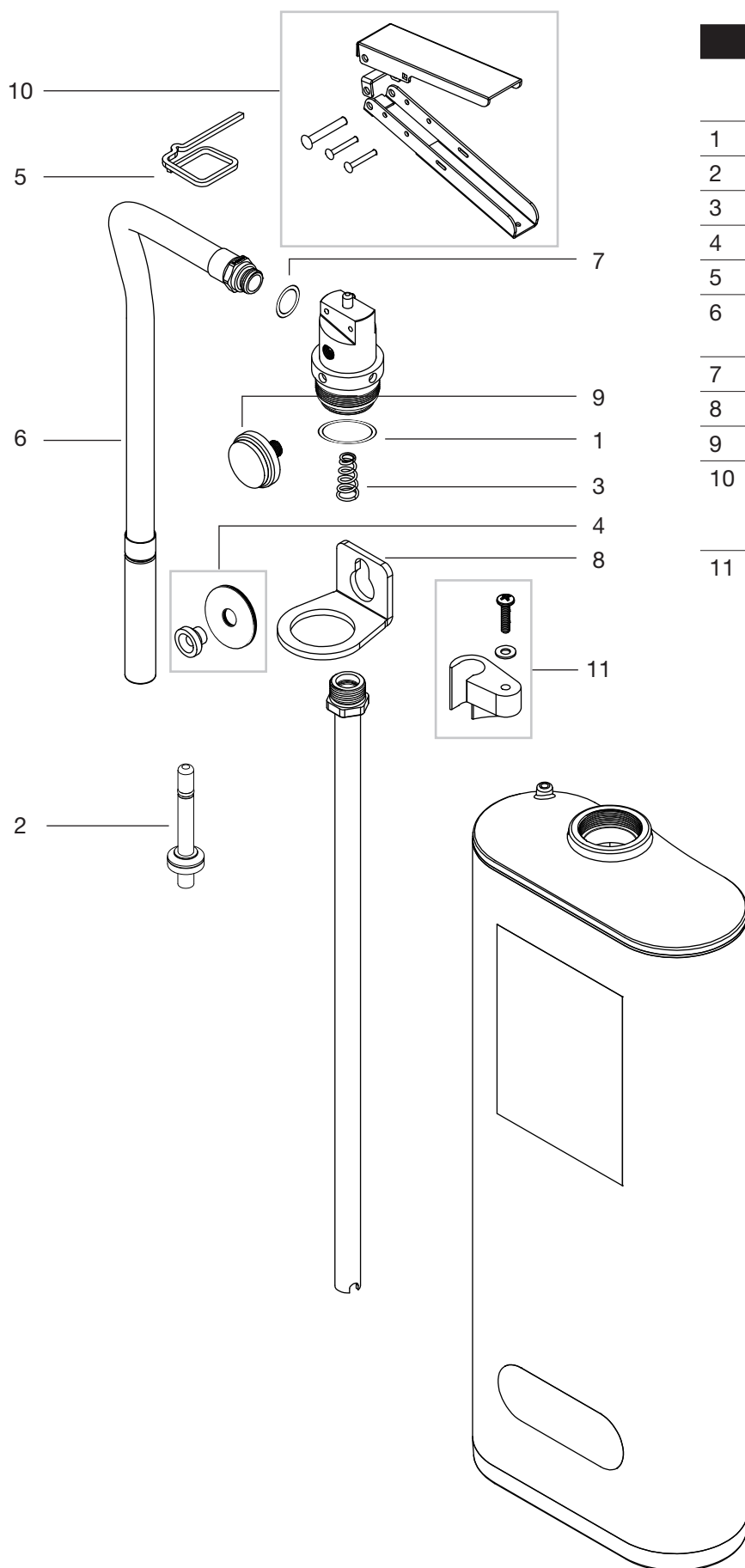
MODEL 10JABC SERVICE PARTS



Common Service Parts		Part #
Recharge Powder Multipurpose ABC - 55 lb box		OFP-ABC90
1	Valve O-Ring	LS-C-70060
2	Valve Stem	LS-SS-60902
3	Valve Spring	LS-C-60100
4	Button Hook & Washer Kit	LS-S-80420
5	Pull Pin	LS-C-60530
6	Hose & Nozzle Assembly (with O-Ring)	LS-S-80010
7	Hose Adaptor O-Ring	LS-C-10558
8	Mounting Bracket	NS-C-10710
9	Pressure Gauge	LS-C-80195
10	Handle Kit (Includes Top & Bottom Handles, Rivets, and Spacer)	LS-S-60505
11	Hose Clamp Kit (Includes screw and washer)	LS-S-80345

Service Tools	Part #
Service Wrench	LS-C-10557
Hydrostatic Test Adaptor	LS-S-10550
Charging Adaptor	LS-S-10560

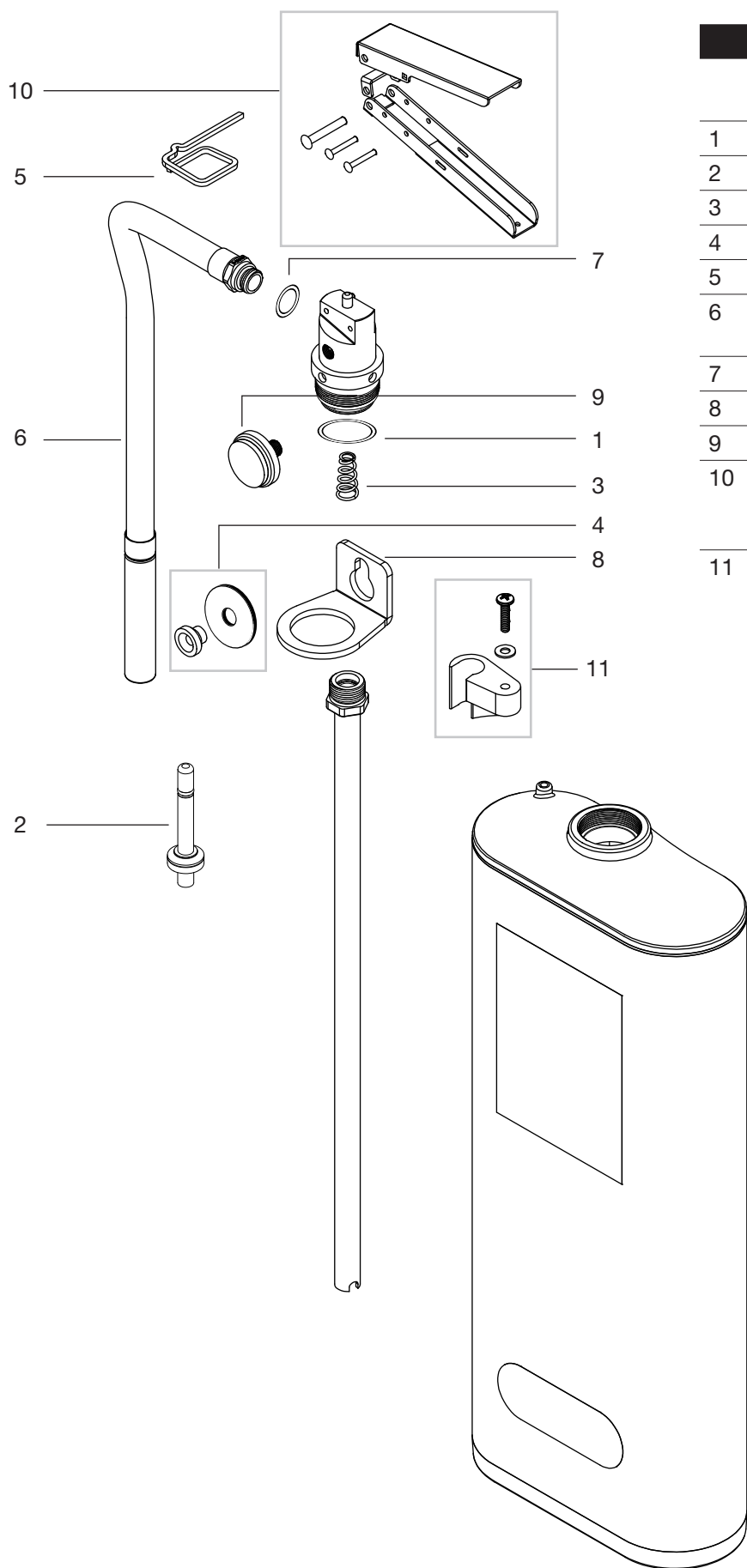
MODEL 10HABC SERVICE PARTS



Common Service Parts		Part #
Recharge Powder		OFP-ABC90
Multipurpose ABC - 55 lb box		
1	Valve O-Ring	LS-C-70060
2	Valve Stem	LS-SS-60902
3	Valve Spring	LS-C-60100
4	Button Hook & Washer Kit	LS-S-80420
5	Pull Pin	LS-C-60530
6	Hose & Nozzle Assembly (with O-Ring)	LS-S-80010
7	Hose Adaptor O-Ring	LS-C-10558
8	Mounting Bracket	NS-C-10708
9	Pressure Gauge	LS-C-80195
10	Handle Kit (Includes Top & Bottom Handles, Rivets, and Spacer)	LS-S-60505
11	Hose Clamp Kit (Includes screw and washer)	LS-S-80345

Service Tools		Part #
Service Wrench		LS-C-10557
Hydrostatic Test Adaptor		LS-S-10550
Charging Adaptor		LS-S-10560

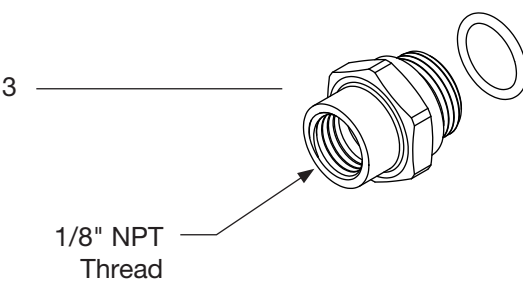
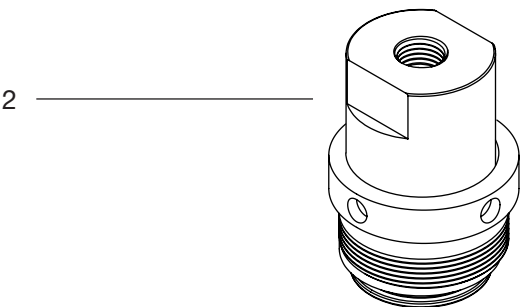
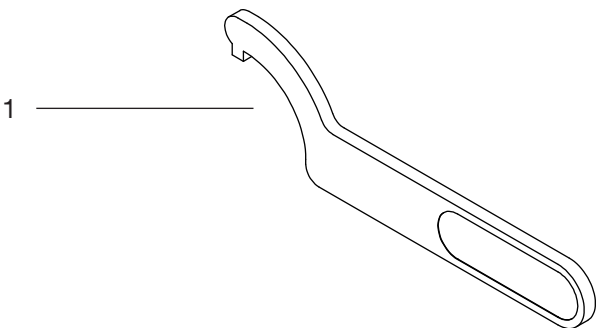
MODEL 10HPKP SERVICE PARTS



Common Service Parts		Part #
Recharge Powder BC Purple K - 50 lb bucket		Steel Fire - PKP
1	Valve O-Ring	LS-C-70060
2	Valve Stem	LS-SS-60902
3	Valve Spring	LS-C-60100
4	Button Hook & Washer Kit	LS-S-80420
5	Pull Pin	LS-C-60530
6	Hose & Nozzle Assembly (with O-Ring) for 10HPKP	LS-S-81610
7	Hose Adaptor O-Ring	LS-C-10558
8	Mounting Bracket	NS-C-10708
9	Pressure Gauge	LS-C-80195
10	Handle Kit (Includes Top & Bottom Handles, Rivets, and Spacer)	LS-S-60505
11	Hose Clamp Kit (Includes screw and washer)	LS-S-80345

Service Tools		Part #
Service Wrench		LS-C-10557
Hydrostatic Test Adaptor		LS-S-10550
Charging Adaptor		LS-S-10560

SERVICE TOOLS



	Service Tools	Part #
1	Service Wrench	LS-C-10557
2	Hydrostatic Test Adaptor	LS-S-10550
3	Pressurizing Adaptor with O-Ring	LS-S-10560