

SELF SERVICE, MULTI-PURPOSE, RELOADABLE DRY CHEMICAL FIRE EXTINGUISHER

This Self Service Manual describes all approved service procedures for the Rusoh® Eliminator® Fire Extinguisher, including the following:

- I. Replacing Tamper Seal (page 2)
- II. Replacing Hose Strap (page 2)
- III. Replacing Rusoh™ Fluffing Wheel (page 3)
- IV. Replacing Handle Assembly (pages 3 and 4)
- V. Replacing Valve Assembly (page 4)
- VI. Replacing Instruction Label (page 4)
- VII. Reloading Information (page 5)
- VIII. Disposal Procedure (page 5)
- IX. Replacement Parts (page 6)



Fig. A



REFER TO THE OWNER'S MANUAL FOR INSTALLATION, OPERATION, 30-DAY INSPECTION, ANNUAL INSPECTION, AND WARRANTY INFORMATION.

For more information, visit www.rusoh.com.

SAVE THIS SELF SERVICE MANUAL FOR FUTURE REFERENCE.

SELF SERVICE PROCEDURES

IMPORTANT: After repairing/replacing any parts of this fire extinguisher, it is recommended that you perform the Annual Inspection described in the Owner's Manual.

I. Replacing Tamper Seal

1. Ensure the lock on the discharge head is in the horizontal (locked) position (Fig. B).
2. Position the new tamper seal so the text is right side up and the snap hooks align with the lock openings. Using two fingers, gently press the tamper seal arrows (Fig. C) until you feel the seal snap into position on both sides of the lock.

Fig. B

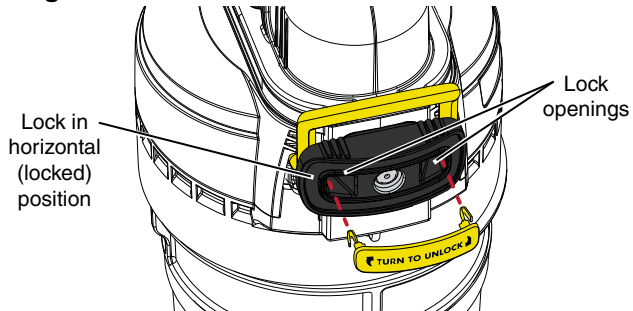
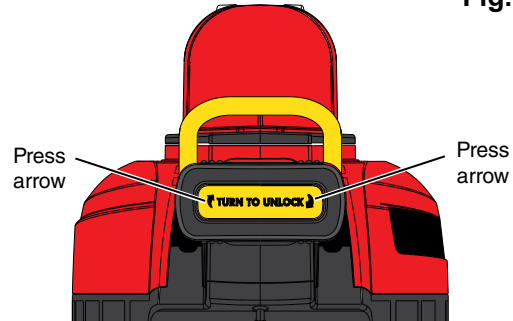


Fig. C



II. Replacing Hose Strap

Tools required: *flat-head screwdriver*
cutting pliers or shears

1. Before you begin, pull hose out of hose clip if it is secured in clip. Then press down on the hose clip to create a gap between the hose strap and agent cartridge and insert the tip of a flat-head screwdriver in the gap (Fig. D). Carefully pry the old hose strap away from the agent cartridge far enough to apply a cutting pliers or shears onto the strap. Cut and discard strap.
2. Place the new hose strap in hot tap water (120°F maximum) for approximately 1 minute for easier installation.
3. While hose strap is still warm, slide the new hose strap (solid surface of hose clip facing up) onto the bottom of the agent cartridge. Slide the strap up until it fits between the two retaining ribs above the instruction label. This works best if you hook one side over the bottom rib and work it around the cartridge until the strap snaps into place (Fig. E1).
4. Rotate strap until hose clip is directly under hose and push hose into clip (Fig. E1). Rotate valve so it is tight against agent cartridge (Fig. E2).

Fig. D

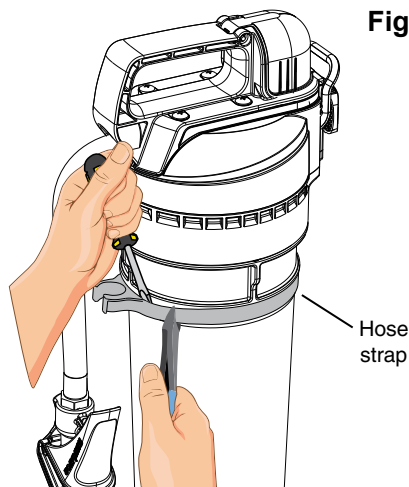


Fig. E1



Fig. E2



III. Replacing Rusoh™ Fluffing Wheel

Tools required: *handheld screwdriver with
T25 tamper-resistant TORX* bit*

1. Invert the agent cartridge. While holding the Rusoh™ wheel stationary with one hand, use a handheld screwdriver with a T25 tamper-resistant TORX* bit to loosen and remove the screw that retains the wheel to the agent cartridge (Fig. F). **NOTE:** The screw is locked in place with adhesive, so the initial torque to loosen the screw will be high. Remove and recycle the damaged wheel.
2. Place the new Rusoh™ wheel onto the bottom of the inverted agent cartridge, fitting the cross-shaped cutout over the corresponding cross-shaped hole in the wheel (Fig. F).
3. Using the provided screw and washer, secure the wheel to the agent cartridge with a handheld screwdriver (Fig. F). **NOTICE:** Overtightening can result in stripping of screws.
4. Ensure the Rusoh™ wheel rotates properly by fluffing the agent cartridge (refer to the Annual Inspection procedure in the Owner's Manual or on the extinguisher instruction label).

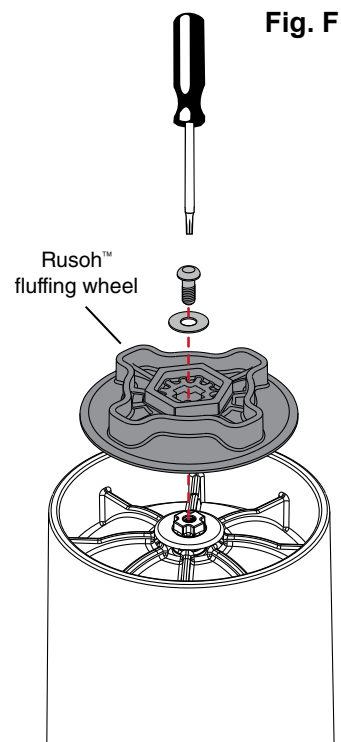


Fig. F

IV. Replacing Handle Assembly

Tools required: *power screwdriver
T25 tamper-resistant TORX* bit
adjustable pliers
rubber mallet*

1. **⚠ WARNING! Before removing CO₂ cartridge, ensure that extinguisher is not pressurized.** Aim nozzle upwards into a large garbage bag. Then slowly squeeze the hose valve lever (Fig. G).
2. Squeeze the ribbed sides of the red CO₂ cartridge cover and lift it open. Remove CO₂ cartridge by twisting cartridge **clockwise**. A strap wrench or adjustable pliers may be needed if cartridge is snug.

NOTE: The CO₂ cartridge has reverse threads, so it turns opposite of normal threaded components.

NOTICE: If an adjustable pliers is needed to loosen the CO₂ cartridge, place a cloth over the cartridge before using the pliers. This will protect it from marring from the teeth of the pliers.

⚠ DANGER! CO₂ cartridge is under high pressure. Do not puncture or damage CO₂ cartridge. Do not heat or locate CO₂ cartridge near a heat source, such as an engine or stove. Discharge from CO₂ cartridge is very cold and can cause frostbite.

3. Remove the four screws that secure the handle to the extinguisher using a power screwdriver with a T25 tamper-resistant TORX* bit attached.
4. Slide the old handle towards the hose. **NOTE:** The handle is designed to fit tightly in the grooves. It may be necessary to lightly tap the handle assembly with a rubber mallet in the removal direction, to help ease the handle out of the grooves (Fig. H). Recycle the damaged parts.
5. Slide the new handle assembly into the grooves. The assembly will click and screw holes will align when fully seated into position.

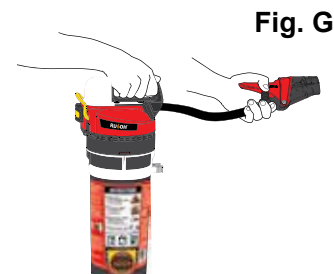


Fig. G

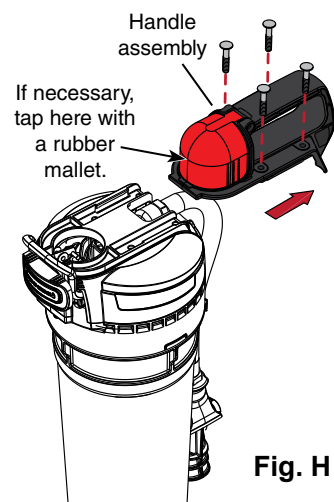


Fig. H

- Secure the handle to the extinguisher with the four screws provided. Tighten the screws using a power screwdriver, set to 10 inch-pounds maximum. **NOTICE:** Overtightening can result in stripping of screws.
- Follow the Annual Inspection procedure found in the Owner's Manual to reinstall the CO₂ cartridge and place the extinguisher back into service.

V. Replacing Valve Assembly

Tools required: *power screwdriver*
T25 tamper-resistant TORX bit*
13/16 open-end wrench or adjustable crescent wrench
small brush or pipe cleaner

- Remove the handle, following steps 1 through 4 of the Replacing Handle Assembly instructions on page 3, and set handle aside for later use.
- Using a 13/16 open-end wrench, loosen the hex fitting on the end of the hose which is attached to the discharge head (Fig. I). Then spin the hose counterclockwise until the valve assembly is completely detached from the discharge head. Discard any damaged parts.
- Before installing new valve assembly, clean threaded hose port with a small brush or pipe cleaner (Fig. J).
- Insert threaded end of new valve assembly hose into hose port and turn hose clockwise until hex fitting no longer turns. **NOTE:** If hose is hard to turn, you have not threaded it correctly. You must remove hose and reinstall it.
- Using 13/16 open-end wrench or adjustable crescent wrench, tighten the hex fitting of the hose until it is secure and flush against the discharge head.
- To confirm the attachment is secure, make sure the hose can swivel in both directions without loosening the hose thread connection to the discharge head.
- Reinstall handle assembly, following steps 5 and 6 of the Replacing Handle Assembly instructions beginning on page 3.
- Follow the Annual Inspection procedure found in the Owner's Manual to reinstall the CO₂ cartridge and place the extinguisher back into service.

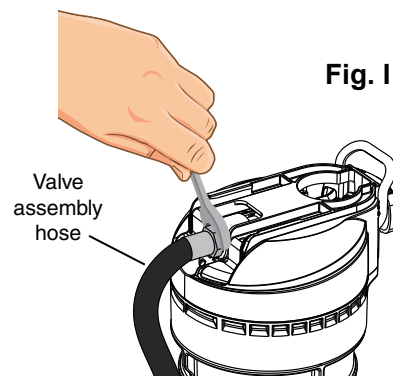


Fig. I

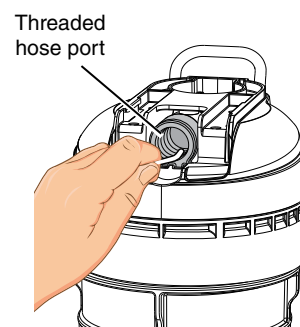


Fig. J

VI. Replacing Instruction Label

- Peel old instruction label off of agent cartridge.
- Before applying new label, clean the agent cartridge surface with soapy water. If any adhesive residue remains, remove with acetone. Do not use alcohol-based cleaners. Allow unit to dry thoroughly.
- Carefully remove the protective backing from the new instruction label without touching the adhesive.
- Position label onto the agent cartridge below the hose strap, centering it with the red alignment rib on the agent cartridge (Fig. K).
- Gently apply pressure down the center of the label to tack it into position. Then carefully press the label down from the center to the edges to avoid trapping air bubbles beneath the label.
- Verify that instructions on new label are legible and undamaged after installation.




Fig. K

VII. Reloading Information

After each use, the Rusoh® Eliminator® fire extinguisher must be reloaded with a new CO₂ cartridge and a new agent cartridge.


NOTICE: DO NOT remove the agent cartridge unless unit is discharged and it requires reloading. Uninstalling and then reinstalling the same agent cartridge could contaminate the sealing ring and potentially reduce the effectiveness of the Eliminator® fire extinguisher.

 **WARNING!** DO NOT refill and attempt to reuse the agent cartridge. It is designed to be factory filled and factory sealed to meet performance specifications.

Uninstalling and then reinstalling or refilling the agent cartridge will void your warranty.

- To reload, follow each step of the Eliminator® Reloading Procedure supplied with each reloading kit.
- **IMPORTANT:** The Reloading Procedure must be performed by an individual who has read the reloading kit instructions, watched the reloading kit video, or is an Eliminator® fire extinguisher dealer.
- **CAUTION!** Failure to comply with the Eliminator® Reloading Procedure will void the warranty and may result in property damage and/or bodily harm. **Reload only with the genuine Eliminator® Reloading Kit for your Eliminator® model number.**
- Immediately after the extinguisher has been discharged, discard the agent and CO₂ cartridges following the disposal procedure described below. Replace both cartridges according to the instructions provided with the Eliminator® Reloading Kit.
- If the CO₂ cartridge or agent cartridge is damaged, replace the cartridge according to the instructions supplied with the reloading kit.
- Your Rusoh® extinguisher (with the CO₂ cartridge) weighs 11.8 pounds or 5.35 kilograms. The weight is marked on the discharge head.
Heft the extinguisher. If it feels light, weigh it. If it is below the indicated weight, both the agent cartridge and CO₂ cartridge will need to be replaced. Follow the instructions supplied with the reloading kit.
- If the CO₂ cartridge is punctured, reload according to the Eliminator® Reloading Procedure supplied with each reloading kit.
- To order an Eliminator® Reloading Kit, call 1-800-318-2944 or visit www.rusoh.com.

VIII. Disposal Procedure

 **DANGER!** If extinguisher is damaged and has not been discharged, do NOT pressurize unit or puncture CO₂ cartridge.

IMPORTANT: Disposal must be performed in strict compliance with state and local waste disposal policies. Please contact your local waste disposal center, recycling center, hazardous waste authorities, or the Rusoh Customer Service Department at 1-800-318-2944 for details. You can also search Earth911.com for a recycling solution near you. **Do not dispose of the Eliminator® fire extinguisher in a regular trash receptacle.**

1. If the Eliminator® fire extinguisher has been used and is undamaged, take it outside to verify that it has been fully discharged. Follow the T-P-A-S-S instructions in your Owner's Manual, even if you believe that you have previously discharged the unit. Aim the discharge near trees or bushes that have a higher resistance to acidic-type fertilizer. Avoid flowers and grasses.
2. Remove the CO₂ cartridge from the Eliminator™ discharge head and confirm that it is punctured. If it is not, return cartridge to the unit and repeat the discharge procedure outlined in step 1 above.
3. Place the punctured CO₂ cartridge in any recycling bin that accepts metals.
4. Place extinguisher in a plastic recycling receptacle.

IX. Replacement Parts

The following replacement parts can be ordered at www.rusoh.com:

- Fluffing Wrench PN 81-524
- Inspection Tags PN 76-213
- Tamper Seals PN 31-438
- Rusoh™ Fluffing Wheel PN 37-815
- Hose Strap PN 33-273
- Valve Assembly (includes hose) PN 79-590
- Handle Assembly PN 81-502
- Instruction Label PN 68-442
- Wall Mount PN 81-501 (replacement for mount Part 40-392)
- Marine Bracket* PN 85-995 (replacement for bracket Part 40-393 and 40-404)

NOTE: Marine rating is valid only when the extinguisher is installed into an approved marine bracket.

For reloading, order one reload kit for each discharged extinguisher. A wrench set is required to perform the reloading procedure.

- Reload Kit PN 85-994
- Wrench Set* PN 81-500

*Includes one cartridge wrench and one bar wrench for performing reloading procedure.

CUSTOMER SERVICE INFORMATION

If you have any questions regarding the operation of your Eliminator® fire extinguisher, contact us by any of these methods:

- Call 1-800-318-2944 weekdays 8:00 AM to 4:00 PM (Central Time)
- Email us at contact@rusoh.com
- Write: RUSOH, Inc.
Customer Service Department
3925 North Hastings Way
Eau Claire, WI 54703-3703

When contacting the Customer Service Department, please indicate the model and serial numbers for the extinguisher. These numbers can be found on the white label on the back of the discharge head.

Please record this information:

Model Number _____ Serial Number _____ Date Purchased _____

Inquiries will be answered promptly by telephone, email, or letter. When emailing or writing, please include a phone number and a time when you can be reached during weekdays.

*The marine bracket secures the Eliminator® extinguisher with a quick-release strap to prevent movement and/or dislodging for mobile applications, horizontal installations, and other locations requiring fully constrained mounting.



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