



INSTRUCTION MANUAL

For 08-0662 and 08-0738 Soter Fueling System™ Probes

Exclusively for use with equipment outfitted with Motion Pro Soter Fueling System™ Receivers.

Motion Pro Soter Fueling System™

The Motion Pro Soter Fueling System™ requires correct installation of the components for safe use and function. This manual will identify the steps needed for installation and use of the system. For more information about installing or servicing the Soter Fueling System™ please see the full manual provided with each component.

motionpro.com/c/soter-fueling-system



Soter Fueling System™

U.S. Patent 10,618,797 | U.S. Patent 10,259,700

SFS PROBES:

08-0662 SFS Probe
*not included



MSR® Style 30 oz. fuel bottle
*not included



08-0738 SFS Probe
*not included



2-Stroke PreMix cans 32 oz. or 1 gallon style
*not included



08-0680 SFS Probe
*not included



Portable fuel container
*not included



Scepter: FR1G101 (1 gallon)
FR1G201 (2 gallon)
FR1G501 (5 gallon)

SFS RECEIVERS:



08-0661 SFS Receiver
*not included



08-0719 SFS Receiver
*not included



08-0718 SFS Receiver
*not included

SERVICE TOOLS:



Bar tool (scrench)
*not included



08-0713 Soter Probe Service tool
*not included

COMPATIBILITY:

08-0662 SFS Probe – Intended for use on MSR® style portable fuel bottles with capacity under ¼ gallon that have same neck thread as MSR® fuel bottle.

08-0738 SFS Probe – Intended for use with one-time use cans of 2-stroke premix fuel found at hardware stores and big box stores. Commonly these are either 32 oz. or 1 gallon metal cans.

08-0680 SFS Probe – Fits following Scepter® Portable Fuel Containers:

SmartControl models #FR1G101 (1 gallon); #FR1G201 (2 gallon); and #FR1G501 (5 gallon). CARB EO: G-22-001.

RESOURCES:

Access documents and video resources online:

visit motionpro.com/c/soter-fueling-system for more information



Use smartphone camera to scan

WARNING: Please carefully read all instructions for the installation and use of the SFS Probe before installing or using. Improper installation or use of this product could result in property damage, fire, severe burns, harm to others, great bodily injury or death. Do not attempt to open SFS Probe manually when installed on a compatible fuel bottle or fuel can. Doing so could result in geysering (spraying out) of gasoline and could result in property damage, fire, severe burns, harm to others, great bodily injury or death. Wear safety glasses at all times when using, installing, or removing this product.

TABLE OF CONTENTS

SECTION	PAGES
Step 1: Probe Installation –	Pg. 4
08-0662 Probe	
08-0738 Probe	
Step 2: Fuel Transfer –	Pg. 5
Soter Fueling System™ Probe Installed	
Step 3: Probe Removal –	Pg. 6-7
Soter Fueling System™	
Service: Probe –	Pg. 8-12
08-0662 Probe	
08-0738 Probe	
Warranty and Disclaimer:	Pg. 13
Warnings before use	

STEP 1: Probe Installation

IMPORTANT: Do not misalign or cross-thread probe during installation.

DAMAGE OR INJURY MAY OCCUR IF THE COMPONENT IS NOT FULLY INSTALLED

08-0662 Probe Installation

1. Install 08-0662 Probe onto the fuel bottle. Be sure to align and install the Probe vertical to eliminate cross-threading the component.
2. With the Probe component aligned and threaded correctly. Ensure the Probe is tightened securely and the lower o-ring is compressed. Install dust cover when not in-use.



08-0738 Probe Installation

1. Remove stock cap from fuel bottle, Install 08-0738 Probe. Be sure to align and install the Probe vertical to eliminate cross-threading the component.
2. With the Probe component aligned and threaded correctly. Ensure the Probe is tightened securely and the lower o-ring is compressed, Install dust cover when not in-use.

WARNING: The 08-0662 and 08-0738 Soter Fueling System Probes are for use in refueling only and should not be left on fuel container after refueling process is complete. After fueling process is complete, remove the 08-0662 or 08-0738 Soter Fueling Probe and replace with stock child resistant cap if any fuel is left in the container. Store fuel containers in safe place out of the reach of children.

STEP 2: Fuel Transfer – Probe Installed

WARNING: Wear safety glasses at all times when using, installing, or removing this product.

1. To refuel with Soter Fueling System, unlock Receiver and open/remove dust covers from both Probe and Receiver. Invert fuel container and place Probe in first step of Receiver, maintaining axial alignment.
2. Firmly and completely push Probe into Receiver while maintaining axial alignment. Complete fill will be achieved in 20 seconds or less on most chainsaws. After refueling, remove Probe from Receiver and close the Receiver dust cover. Receiver may be locked, but is not required for operation.



STEP 3: Probe Removal

08-0662, 08-0738 Probes

WARNING: To avoid injury, you must follow these procedures to remove SFS Probe from fuel bottle.

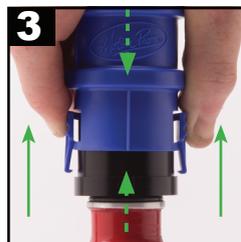
1. Take fuel bottle with SFS Probe to safe place at least 100 feet from nearest fire, sparks, or other source of ignition.
2. Put on safety glasses and protective gloves.

3. Remove blue probe cover as shown. Then grasp body of Probe below spring, turn slowly counter-clockwise and no more than (1) full turn, check for fuel leakage from around threads. If fuel is leaking out around threads this indicates that fuel bottle has pressure and SFS Probe cannot be removed safely. Turn body clockwise to fully seat SFS Probe body back onto fuel bottle. Allow fuel bottle to sit longer and cool down. Repeat until no fuel leaks from threads when the SFS Probe body is unscrewed one full turn.

4. If no fuel leaks out from around threads when SFS Probe is unscrewed one full turn from the fully seated position, then slowly continue to unscrew and remove Probe.

WARNING: Heated fuel can go into a boiling state and geyser spontaneously. Even if you do not

Dust Cap Removal Process



Step 3 continued, next page... ➔

STEP 3: Probe Removal

have fuel leakage during removal and fuel bottle appears stable, any agitation of the fuel can cause it geyser and spray out violently without warning. **Make sure to wear safety glasses and keep fuel container pointed away from you as far away from your face, eyes, and body as possible.**

5. Install the stock cap on fuel bottle and store in safe place where it cannot be reached by children.

SERVICE Soter Fueling System™ Probe

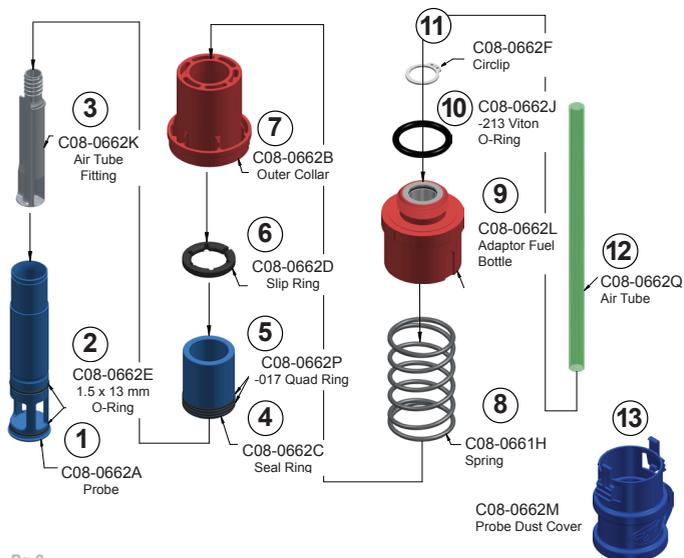
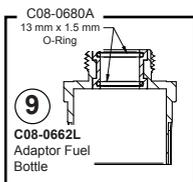
08-0662 and 08-0738 Probe Service

WARNING: Read all direction for servicing; improper servicing could result in gasoline spill, property damage, great bodily injury or death; improper use could result in great bodily injury or death.

WARNING: When servicing these components be away from open flame or sparks, protect skin from gasoline and other chemicals. Wear safety glasses and protective gloves. Test function before putting system back in service.

08-0662 SFS Probe Components

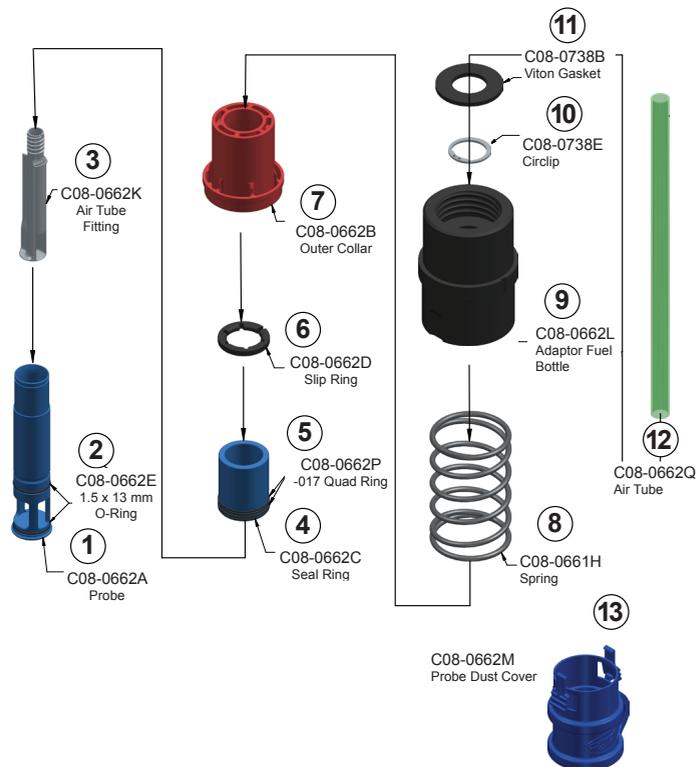
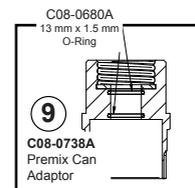
NOTE: For the Adaptor **C08-0662L** It is not recommended to remove or replace the internal O-rings **C08-0680A**, unless obvious damaged has occurred.



SERVICE Soter Fueling System™ Probe

08-0738 SFS Probe Components

NOTE: For the Adaptor **C08-0738A** It is not recommended to remove or replace the internal O-rings **C08-0680A**, unless obvious damaged has occurred.

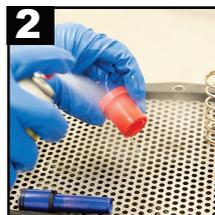


Service instructions, next page... →

SERVICE Soter Fueling System™ Probe

Probe Disassembly

1. Remove Probe air tube by turning the tube counterclockwise to unscrew it from the air tube fitting. Carefully remove the circlip using external circlip pliers, simultaneously holding the adaptor securely to prevent the spring from ejecting the adaptor from the Probe.
2. Separate the adaptor from the Probe. The spring, outer collar, slip ring, and seal ring may now be removed from the assembly. Clean all parts using contact or brake cleaner and compressed air. Carefully inspect all components for wear or damage, and replace if necessary.



Probe Service Assembly

1. Review components for 08-0662 Probe or 08-0738 Probe and reassemble the Probe in reverse order of disassembly. Lubricate all O-Rings with a light coat of seal grease. 2-stroke oil or bar oil can be used if seal grease is not available. Make sure the circlip is fully seated in its groove after assembly. Reattach Probe air tube by screwing it (clockwise direction) onto air tube fitting. Replace air tube if loose and does not tighten on the air tube fitting.



SERVICE Soter Fueling System™ Probe

08-0662 and 08-0738 Probe Maintenance

WARNING: *Soter Probe must be serviced in accordance with these instructions and tested prior to use, Wear safety glasses when performing this procedure. Failure to assemble properly or test function prior to being put into service could result in property damage, great bodily injury, or death.*

Required item:
08-0713 - Soter Probe Service Tool



This tool allows you to easily service and inspect the Soter Probe in the field without the need for disassembly

1. Place the tool on the top of the Probe as shown in the photo on next page and press down firmly and squarely until the lower tabs latch under the Probe.



Maintenance instructions, continued next page... ➔

SERVICE Soter Fueling System™ Probe

2. Pivot the two arms up while leaving the tool in place to expose the O-rings on the Probe. Carefully inspect the O-rings for damage and replace if not in serviceable condition. Remove any debris using compressed air or a clean rag. Lubricate the O-rings using some 2-stroke premix oil or WD-40.



3. Remove the tool by pulling it to the side as shown. The Probe should fully close. Test the Probe with a Receiver in a safe environment to ensure smooth and leak-free function.



Motion Pro Soter Fueling System™ Warranty

WARRANTY

Motion Pro, Inc. warrants that all the components of the Soter Fueling System are free from defects in materials and workmanship for a period of one year from date of sale. Call Motion Pro warranty department at 650-594-9600 to get an RGA number before returning product. Send product back to Motion Pro Warranty Department, 3171 Swetzer Rd, Loomis, CA 95650 for inspection with RGA number clearly noted on outside of box or in letter inside box. Include note with product clearly stating claimed defect, proof of purchase, and your contact information. Motion Pro reserves the right to inspect and determine if a product is defective and that product was not subject to misuse. Consumers outside of the USA must contact the store where they purchased the product from to obtain warranty return and service directions for their country and location. Above is the customer's exclusive remedy.

The above is expressly in lieu of all other warranties express or implied and of all other obligations or liabilities. In no event shall Motion Pro, Inc. be liable for any incidental or consequential damages arising from the breach of any warranties, improper use, the failure to deliver, delay in delivery, delivery of non-conforming parts or any other breach of contract or duty.

IMPORTANT: *The Soter Fueling System Probes must be used only with equipment outfitted with the Motion Pro Soter Fueling System Receiver. Not intended for Refueling On-Road Motor Vehicles.*

COMPATIBILITY:

08-0662 SFS Probe – Intended for use on MSR® style portable fuel bottles with capacity under ¼ gallon that have same neck thread as MSR® fuel bottle.

08-0738 SFS Probe – Intended for use with one-time use cans of 2-stroke premix fuel found at hardware stores and big box stores. Commonly these are either 32 oz. or 1 gallon metal cans.

WARNING: *The 08-0662 and 08-0738 Soter Fueling Probes are designed for use for refueling process and should be removed and replaced with stock child resistant cap if any excess fuel is left in the portable fuel bottle. Store fuel bottles in a safe place and out of reach of children.*

I08-0738A



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