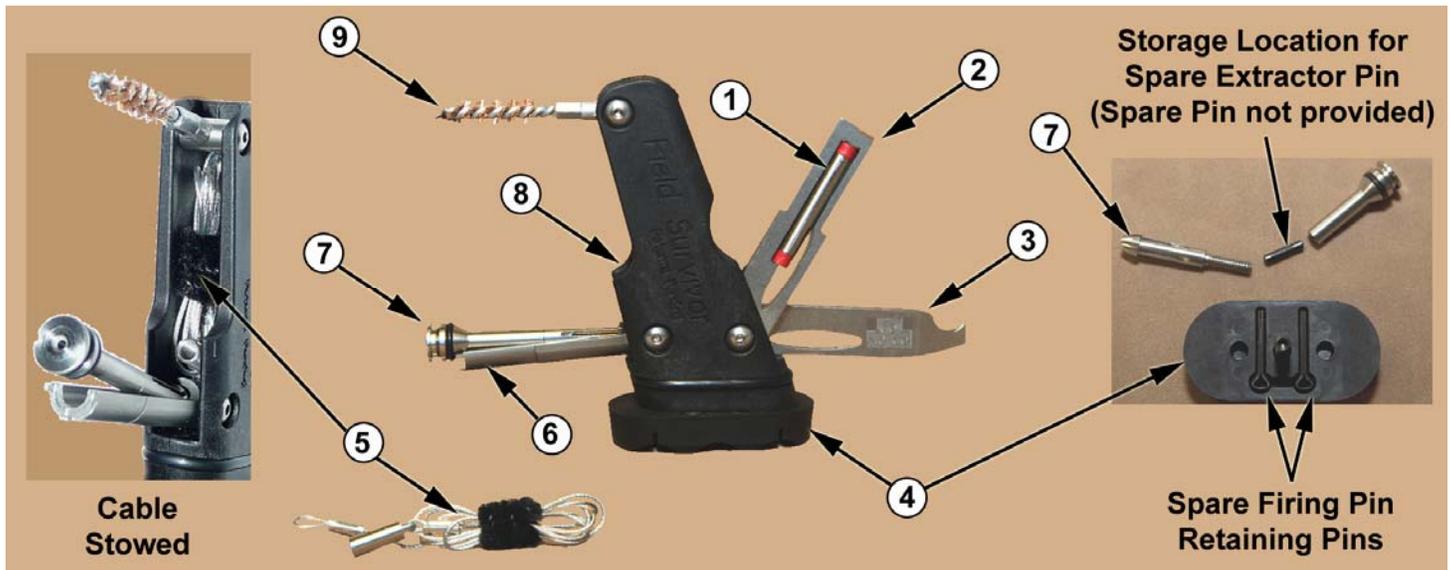


1.0 General Information

The Samson Field Survivor is a light-weight multi-purpose tool to support operation and maintenance of a service rifle. It is designed to be stored in a standard A2-type pistol grip and contains an array of fold-out tools for performing routine cleaning and emergency repairs.

Part Number: FS-001
 Interface: Standard AR pistol and Hogue AR15 Rev 2 grips
 Dimensions: 3.375" tall (including base)
 Weight: 3.5 ounces
 Material: Corrosion-resistant stainless steel components housed in a reinforced polymer
 CAGE: 037R7



Item	Nomenclature	Description / Use
1	Oil Ampoule	Stored in carbon scraper and able to store a small quantity of CLP or other lubricant.
2	Carbon Scraper	Contains sharp edge for removing carbon from firing pin and bolt carrier group components.
3	Screwdriver	Provides slot tip screwdriver blade for general use. Hooked end may be used to push in takedown/receiver pivot pins and pull out firing pin retaining pin. Screwdriver body contains a GO/NO GO gauge for checking magazine feed lip separation distance.
4	Base	Used to secure Survivor into rifle grip. Also includes: <ul style="list-style-type: none"> • Serrated base which can be used as a strike plate in hand to hand combat • Slot for bending back damaged magazine feed lips • 2 spare firing pin retaining pins • 1/2" hex wrench
5	Barrel Cleaning Cable	23" long cable for brush or patch cleaning.
6	Front Sight Wrench	For performing front sight post adjustments. Also provides the storage for shell extractor.
7	Shell Extractor	Extracts jammed broken shells from chamber. May also be used as T-handle for barrel cleaning cable and provides storage location for spare extractor pin (spare pin not provided).
8	Magazine Feed Lip Gauge	For verifying magazine has correct feed lip radius.
9	Brush	General purpose brush for cleaning gas tube and barrel. Connects to barrel cleaning cable.

2.0 Operation

2.1 Install/Remove Field Survivor

Field Survivor is held in place by expanding the o-ring located at the bottom of the body. This is accomplished by rotating the base (item 4) clockwise.

Installation

Rotate base counter-clockwise approximately two turns until loose. Slide body fully up into grip. Rotate base clockwise until survivor locks into place. Ensure spare firing pin retaining pins are fully seated into base prior to installation.

Removal

Rotate base counter-clockwise approximately two turns until loose. Pull body from grip. Rotate base clockwise until tight.



2.2 Remove Base

Removal of the base is performed to access spare firing pins, 1/2" hex wrench or to support bore cleaning with a patch. Remove base by unscrewing it from body.

Standoff and o-ring are not permanently attached and may fall off of body when base is removed. If this happens, simply push the o-ring and standoff back into place.



2.3 Firing Pin Retaining Pin Removal

Unfold screwdriver (item 3). Hook eye of retaining pin and pull pin out.

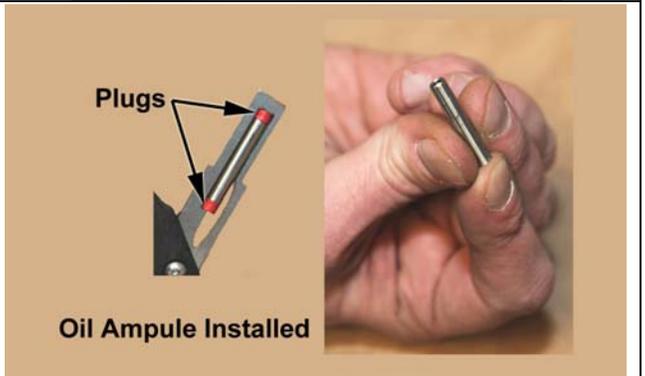


2.4 Oil Ampoule

Unfold carbon scraper (item 2) and pop out oil ampoule (item 1) by pushing one end.

Remove plug on one side and place finger over end.

Hold upright and remove opposite plug. Hold over item and slightly lift finger off of opposite end to dispense oil.



2.5 Bolt Carrier Group Cleaning

Unfold brush (item 9) and carbon scraper (item 2). Use brush and carbon scraper to remove carbon from bolt carrier group components.

Unfold front sight wrench (item 6) and remove cable (item 5). Unwrap pipe cleaner from cable and use for cleaning firing pin hole.



2.6 Bore Cleaning

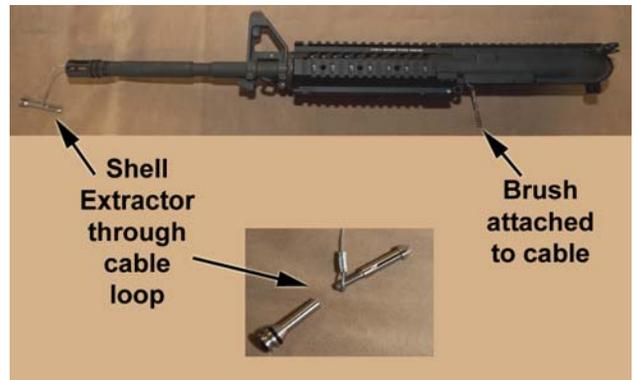
Use cable, shell extractor, brush and base to clean bore as per below. Always pull brush or patch from chamber through end of bore.

2.6.1 Bore Cleaning (Brush)

Unfold brush (item 9) and front sight wrench (item 6). Remove cable (item 5) and unwrap pipe cleaner from cable. Remove shell extractor (item 7) from front sight wrench.

Unscrew shell extractor pieces and feed shell extractor threaded end through cable loop. Reassemble shell extractor with cable loop attached. Drop cable thread attachment end through end of bore. Unscrew brush from mount and screw into cable thread attachment.

Apply a few drops of CLP to brush and pull brush through bore. Repeat process as required and then proceed to **Bore Cleaning (Patch)**.

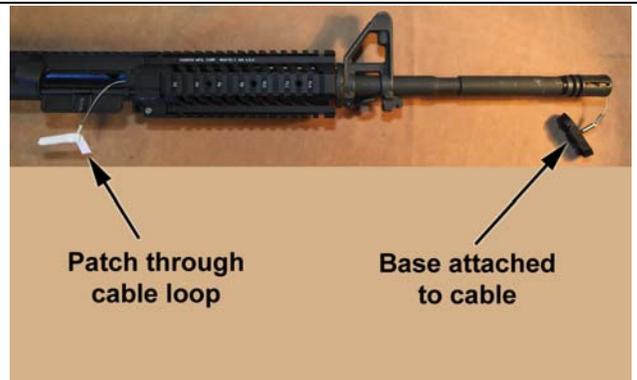


2.6.2 Bore Cleaning (Patch)

Remove cable from bore and remove brush.

Place patch into cable eyehook and drop other end of cable through bore (chamber end). Remove base (item 4) as per above. Screw base into cable thread attachment.

Apply a few drops of CLP to patch and pull patch through bore. Re-coil cable around two fingers and wrap pipe cleaner around cable prior to replacing into body.

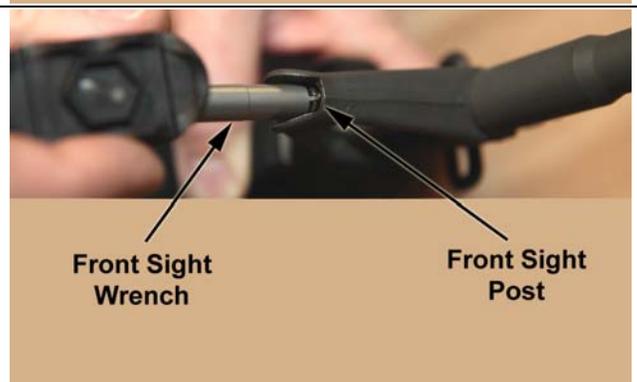


2.7 Front Sight Post Adjustment

Unfold front sight post wrench (item 6). Remove shell extractor (item 7) as per below.

Place end of front sight post wrench into front sight post grooves and rotate wrench one click at a time.

CAUTION: DO NOT ROTATE WRENCH POST INTO FRONT SIGHT ADJUSTMENT LOCKING KEY. WRENCH POSTS MAY BECOME DAMAGED.



2.8 Broken Shell Extraction

End of shell extractor is designed to simulate the bottom of a 5.56mm shell. In this manner, the shell extractor may be used to extract a jammed shell without a bottom.

2.8.1 Insert Shell Extractor

Unfold front sight post wrench (item 6). Remove shell extractor (item 7) from wrench by rotating it up and pulling it out.

Remove magazine, pull charging handle and lock bolt to the rear. Insert pronged end of shell extractor through broken shell in chamber. If shell extractor prongs do not grasp end of broken shell, remove shell extractor and slightly pry apart prongs and re-attempt.

Send bolt home until bolt seats onto end of shell extractor. Tap forward assist as required. Empty magazine and reinsert into weapon.



2.8.2 Eject Broken Shell

Pull charging handle to the rear to extract and eject shell extractor and broken shell.

Unscrew shell extractor and remove from broken shell.



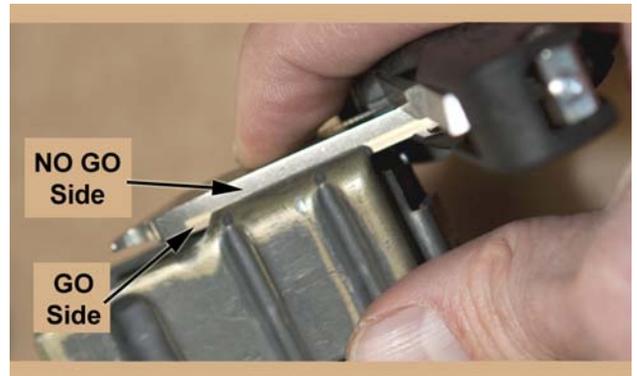
2.9 Verify Magazine Feed Lip Separation Distance

Unfold screwdriver (item 3). Place GO side of screwdriver body between magazine feed lips. Do not force gauge into magazine.

If GO side cannot be inserted, then magazine feed lips are too close. Adjust feed lips as per below, ensuring both feed lips are the proper radius.

If GO and NO GO sides may be inserted, then magazine feed lips are too far apart. Adjust feed lips as per below, ensuring both feed lips are the proper radius.

If GO side fits consistently between magazine feed lips, no action is required.



2.10 Verify Magazine Feed Lip Radius

Unfold front sight post wrench (6). Place magazine feed lip gauge (item 8) onto magazine feed lip.

Verify magazine feed lip radius is consistent with gauge and feed lip edge ends on GO/NO GO line.

Adjust bend of magazine feed lip with notches on base (item 4) using base or front sight wrench method as required.

