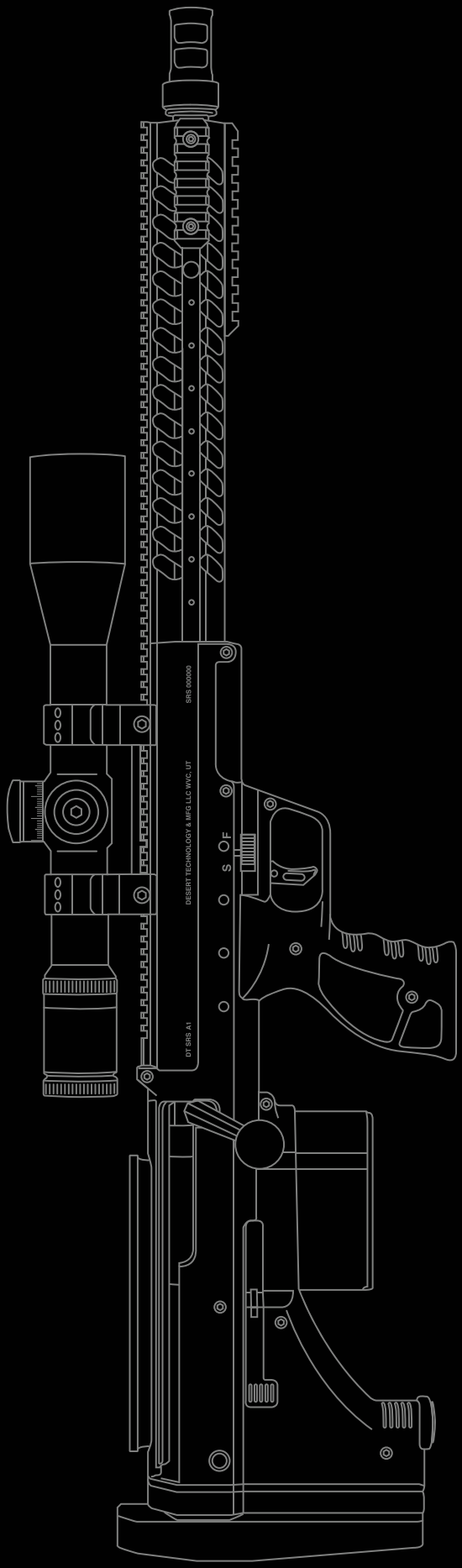


ARMORERS MANUAL

SRS

STEALTH RECON SCOUT

DESERTTECH®

TABLE OF CONTENTS

WELCOME TO THE PROUD FAMILY OF DESERT TECH

precision rifle owners. In acquiring your new Stealth Recon Scout-A1 or Stealth Recon Scout-A1 Covert rifle, you are the owner of one of the most versatile precision rifle systems in the world. Whether a police marksman is shooting 50 yards or a military sniper is shooting a mile, the SRS-A1 offers unrivaled flexibility in an overall package that is among the shortest precision rifles available.

To get the most out of your SRS-A1 rifle, please read the manual from cover to cover before handling and operating the rifle for the first time.

READ THE OPERATING INSTRUCTIONS CAREFULLY

Any reference to the SRS-A1 within this manual references both the SRS-A1 and the SRS-A1 Covert, unless otherwise specified.

WARNING!

KEEP OUT OF REACH OF CHILDREN!

IT IS DANGEROUS TO ALTER OR MODIFY THIS FIREARM IN ANY WAY. ANY ALTERATION OR MODIFICATION OF THE FIRING MECHANISM MAY RESULT IN THE FIREARM BECOMING UNSAGE. ANY ATTEMPT TO ALTER OR MODIFY THIS FIREARM WILL NULLIFY ALL WARRANTIES. THE USE OF REMANUFACTURED OR RE-LOADED AMMUNITION OF ANY KIND WILL ALSO VOID ALL WARRANTIES.

ALWAYS keep the firearm pointed in a safe direction.
ALWAYS keep your finger off the trigger until ready to shoot.
ALWAYS be sure of your target and what is beyond it.
ALWAYS keep the firearm unloaded until ready to use.
ALWAYS wear eye and ear protection.
Know how to use the firearm safely.
Be sure the firearm is safe to operate. Consult the owners manual before use of the firearm.
Use only the correct ammunition for your firearm.
Never use alcohol, over-the-counter prescription drugs, or other drugs before or while shooting.
Store firearms so they are not accessible to unauthorized persons.
For more information on firearm safety, visit the NRA Education and Training website: training.nra.org/nra-gun-safety-rules.aspx

WARNING!

Follow all local, state, and federal laws regarding legal use of your Desert Tech SRS-A1 rifle.

This item may be regulated for export by the U.S. Department of State or the U.S. Department of Commerce. Please see our export policy at www.deserttech.com for details.

FIREARM SAFETY

READ THE OPERATING INSTRUCTIONS CAREFULLY

Remember that even the safest firearm is potentially dangerous to you and others when it is not properly handled. Carefully read the operating instructions to learn how the rifle works and how it is to be handled.

WARNING: Carry out the following operations before any rifle configuration, cleaning, or disassembly: Move safety slide to "S" (safe) (see page XX), remove the magazine (see page XX), open the bolt (figure X, page XX) and visually ensure the chamber is clear.

Ensure the rifle is unloaded and safe whenever:

- Receiving or handing off the rifle
- Transporting the rifle
- Cleaning or disassembly
- Scope mounting and rifle configuration
- You have stopped firing
- The rifle is not in use

Before firing the rifle:

- Always wear eye and ear protection.
- Always be aware of the target and what lies beyond it.

Make sure that the barrel is fully seated and barrel retention screws are tight before firing, as described on pages XX-XX.

Do not use excessive force when disassembling or assembling your rifle. A firearm is only safe as long as it is in a flawless mechanical condition.
Incorrect handling and/or lack of maintenance may lead to malfunctions and reduced safety of the firearm. Unauthorized modifications to the rifle, or damages caused by the application of force will void the manufacturers warranty. Only a DT certified armorer is allowed to work on the rifle.

REMEMBER:

TREAT ALL FIREARMS AS ALWAYS LOADED. LOOKING INTO THE END OF THE BARREL (MUZZLE) IS NOT RECOMMENDED AT ANY TIME.

SPECIFICATIONS

Available Caliber Options and Barrel Lenths:

SRS-A1

.308 Win.	22″ (55.88 cm)
.308 Win.	26″ (66.04 cm)
.260 Rem.	26″ (66.04 cm)
6.5 Creedmoor	26″ (66.04 cm)
6.5x47 Lapua	26″ (66.04 cm)
7mm WSM	26″ (66.04 cm)
.300 Win. Mag.	26″ (66.04 cm)
.338 LM	26″ (66.04 cm)

SRS-A1 Covert

.308 Win.	16″ (40.64 cm)
.300 Win. Mag.	18″ (45.72 cm)
.338 LM	18″ (45.72 cm)

Rifle Weight with Conversion Kit:

22″ .308 Win.	10.85 lb (4.92 kg)
26″ .308 Win.	11.30 lb (5.14 kg)
26″ .260 Rem.	11.50 lb (5.22 kg)
26″ 6.5 Creedmoor	11.40 lb (5.16 kg)
26″ 6.5x47 Lapua	11.55 lb (5.24 kg)
26″ 7mm WSM	11.35 lb (5.16 kg)
26″ .300 Win. Mag.	11.25 lb (5.10 kg)
26″ .338 Lapua Mag.	11.30 lb (5.12 kg)

16″ .308 Win.	9.95 lb (4.52 kg)
18″ .300 Win. Mag.	10.20 lb (4.62 kg)
18″ .338 Lapua Mag.	10.21 lb (4.64 kg)
22″ .308 Win.	10.55 lb (4.78 kg)
26″ .308 Win.	11.00 lb (5.00 kg)
26″ .260 Rem.	11.20 lb (5.08 kg)
26″ 6.5 Creedmoor	11.10 lb (5.02 kg)
26″ 6.5x47 Lapua	11.25 lb (5.10 kg)
26″ 7mm WSM	11.05 lb (5.01 kg)
26″ .300 Win. Mag.	10.95 lb (4.97 kg)
26″ .338 Lapua Mag.	11.00 lb (5.00 kg)

Rifle Length with Conversion Kit:

SRS-A1

22″ .308 Win.	33″ (83.82 cm)
26″ .308 Win.	37″ (93.98 cm)
26″ .260 Rem.	37″ (93.98 cm)
26″ 6.5 Creedmoor	37″ (93.98 cm)
26″ 6.5x47 Lapua	37″ (93.98 cm)
26″ 7mm WSM	37″ (93.98 cm)
26″ .300 Win. Mag.	37″ (93.98 cm)
26″ .338 Lapua Mag.	38.5″ (97.79 cm)

SRS-A1 Covert

.308 Win.	27″ (68.58 cm)
.300 Win. Mag.	29″ (73.66 cm)
.338 LM	30.5″ (77.47 cm)

Rate of Twist:

SRS-A1

Twist	Caliber	Magazine Capacity
1 in 11"	.308 Win.	6
1 in 8"	.260 Rem.	6
1 in 8"	6.5 Creedmoor	6
1 in 8.5	6.5x47 Lapua	6
1 in 9"	7mm WSM	5
1 in 10"	.300 Win. Mag.	5
1 in 10"	.338 Lapua Mag.	5

SRS-A1 Covert

Twist	Caliber	Magazine Capacity
1 in 8"	.308 Win.	6
1 in 10"	.300 Win. Mag.	5
1 in 9"	.338 Lapua Mag.	5

Mechanical Features

Method of operation:	Bolt Action
Method of feeding:	Detatchable Box Magazine
Ejection:	Through port at right side (or the left side, for the left handed model)

Loctite Parts

Muzzle Brake	Bolt Sleeve Stop Set Screw
Feed Ramp Screw	Forearm Coupler
Monopod Adapter	

SRS Torque Specs

Rail Segments Screws	8 in/lb	0.9 nm
Trigger Screw	24 in/lb	2.71 nm
Trigger Mounting Screws	24 in/lb	2.71 nm
Stock Panel Screws	8 in/lb	0.9 nm
Barrel Retention Screws	80 in/lb	9.04 nm
Sling Stud Screw	24 in/lb	2.71 nm
Cheek Piece Screws	24 in/lb	2.71 nm

Sights

Picatinny rail (no taper)

Safeties

Fire Selector	Safe and Fire

FACTS ABOUT THE SRS-A1

Key Features

The SRS-A1 is a lightweight, bullpup, bolt action operated, magazine-fed firearm. A brief description of the SRS-A1 rifle follows:

Accuracy

The SRS-A1 achieves superb precision in all calibers because it's built around core accuracy components:
1. Match grade (free-floated) barrel, chamber and crowns.
2. High quality user-adjustable trigger.
3. Solid, repeatable return-to-zero barrel mounting system secures the barrel over the first six inches of barrel assembly clamping surface.

Quick caliber conversion capability

The SRS-A1 can be quickly converted between the following chamberings:
.260 Remington, 6.5 Creedmoor, 6.5x47 Lapua, .308 Winchester, 7mm Winchester Short Magnum, .300 Winchester Magnum, .338 Lapua Magnum. The caliber conversion and return to zero is simple and averages less than 60 seconds to complete.

Ergonomic

The ergonomics and balance of the SRS-A1 are unmatched. We elected to build ergonomics into the rifle itself, instead of adding heavy accessories as an afterthought.

Compact

The SRS-A1 is one of the shortest purpose-built precision rifles in the world. The telescoping bolt and bullpup configuration make it almost a foot shorter than conventional precision rifle systems. The compact design shifts weight and center-of-gravity rearward, creating a comfortably balanced and compact rifle.

Rugged

The SRS-A1 was designed to operate under the harshest conditions and abuse. It is built of high-impact polymers, aircraft grade aluminum, high-strength alloy steels, and some of the most durable coatings available. The monolithic receiver serves as a full length mounting chassis, eliminating the need for any sort of receiver-to-stock bedding interface. SRS-A1 stock panels attach directly to the receiver.

Ergonomic Features List

- Single stage match grade trigger; adjustable for creep, length of pull, and weight (1-3 lb).
- The padded, adjustable cheek piece was designed into the rifles chassis and allows .43 inches (11mm) of adjustment.
- Raised modular recoil pad positions the shooter's shoulder above the bore line, minimizing muzzle rise and felt recoil.
  Ambidextrous safety selector is accessible without removing firing hand from pistol grip.
- 60-degree bolt lift.
- Rear, ambidextrous magazine release button easily facilitates rapid magazine changes.
- The rifle balance point is approximately 1" forward of the trigger guard.
- Up to five flush cup sling attachment points (four for the SRS-A1 Covert).

General Firearm Construction and Other Benefits

- The barrel is attached to the receiver by four barrel retention screws and a barrel locking lug
- The aluminum forearm is securely attached to the front of the receiver.
- A full-length, MIL-STD-1913 rail runs along the top of the receiver and forearm, facilitating optics, night vision, thermals and other accessories. Rail segments attach to the sides for user-specified placement.
- The bolt assembly travels inside of the receiver; the bolt handle is located on the right side of the receiver.
- Ambidextrous safety selector is located above the trigger guard, on the right and left side of the firearm.
- The recoil pad is attached to the rear end of the receiver.
- Our magazines incorporate a "shoulder retention" feature that prevents the projectile tips from hitting the front of the magazine during recoil.
- The SRS-A1 is available in a variety of color configurations; all rifles are hard-coat anodized black and are additionally painted in black, flat dark earth, or olive drab. The stock panel color options are: black, flat dark earth, or olive drab.

RIFLE SETUP

b) CONVERSION KIT INSTALLATION/REMOVAL

WARNING: Carry out the following operations before any rifle configuration, cleaning, or disassembly: Move safety slide to "S" (safe) (page XX), remove the magazine (page XX), open the bolt (figure XX) and visually inspect the chamber to ensure the chamber is clear.

Parts Necessary

DT SRS-A1 Receiver Assembly (not pictured)
DT SRS Barrel
DT SRS Bolt

Tools Necessary

80 in/lb Seekonk Torque Wrench
5mm Hex Socket

Removal

1. Place rifle in the "S" (safe) position, then remove magazine (see page 25).

2. Rotate bolt and slide it to the rear of the bolt channel (figure a-1).
*Left-handed model will be the opposite side.

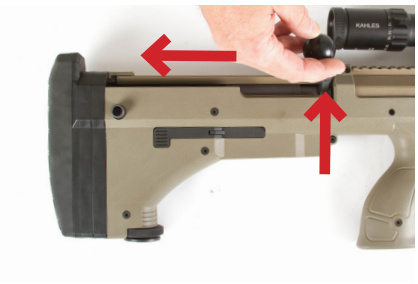


Figure b-5

Remove recoil pad assembly by first sliding the bolt forward 3/4" from it's rearmost position to clear the recoil pad mounting plate hook.
Remove the recoil pad assembly by pressing the forward-most retaining tab rearward, while pushing downward on the recoil pad assembly (figure a-2).

Remove the bolt by sliding it out the rear of the rifle.

Figure b-5

With a 5mm hex-wrench, loosen the four barrel retention screws on the right side of the SRS-A1 one full turn (figure a-3).
*Right-handed model shown, left-handed model will be the opposite side.

Required: Do not loosen screws more than one full turn; it will bow the stock panels.

Figure b-4

1. With a 5mm hex-wrench, turn the barrel locking lug on the left side of the rifle to the "Unlock" position (figure a-4).

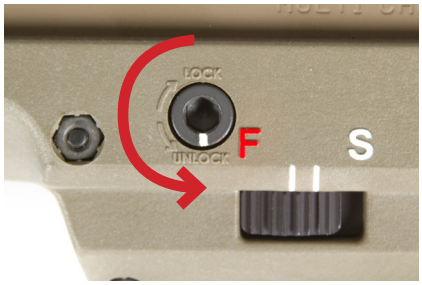


Figure b-3

2. Slide the barrel straight out of the rifle receiver.

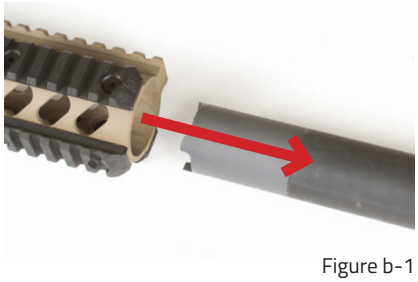


Figure b-1

a) BOLT/BARREL TACTILE INDICATORS

Parts Necessary

DT SRS Barrel
DT SRS Bolt

Tools Necessary

None

Assembly

The SRS-A1 Conversion Kit has been designed with tactile identification markings on the barrel and bolt.

WARNING: Make sure the barrel caliber and bolt caliber match your intended ammunition before loading the rifle.

1. Three lines indicates that the bolt head and barrel are for the .338 LM. (Fig. a-1)

2. Two lines indicates that the bolt head and barrel are for either the .300 Win Mag, or 7mm WSM. (Fig. a-1)

3. One line indicates that the bolt head and barrel are for either the .260 Rem., 6.5 CM, 6.5x47 Lapua, or .308 Win. (Fig. a-1)

*Left handed bolts have an "L" engraving on the bolt head, sleeve, striker, bolt body, and barrel extension.

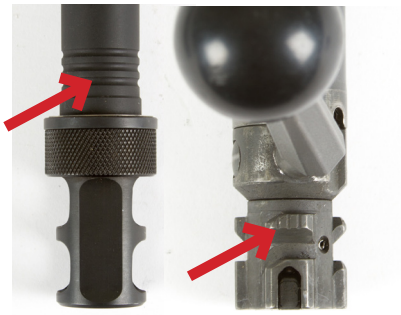


Figure j-6

c) BOLT STOP INSTALLATION

Parts Necessary

DT SRS (not pictured)
DT SRS Bolt Stop

Tools Necessary

None

Assembly

Note: Install the bolt stop for short action caliber conversions only.

1. To install the bolt stop, remove the recoil pad assembly (page 11), and place the bolt stop in the receiver channel (Fig. c-1) with the rectangle cutout facing up and flush with the rear of the receiver. (Fig. c-2)

2. Reinstall recoil pad assembly. Bolt stop removal process is reverse of installation.

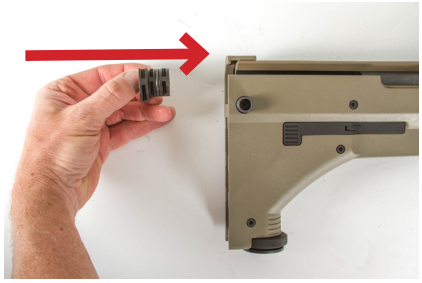


Figure c-1

Figure c-2

b) CONVERSION KIT INSTALLATION

Parts Necessary

DT SRS-A1 Receiver Assembly (not pictured)
DT SRS Barrel
DT SRS Bolt

Tools Necessary

80 in/lb Seekonk Torque Wrench
5mm Hex Socket

Assembly

1. Ensure the new barrel and bolt caliber and indicator notches match your intended ammunition.

2. Carefully slide barrel into the SRS-A1 receiver with the barrel indexing notch facing the rifles 6 o'clock (downward) position. (Fig. b-1)

3. Ensure the barrel is fully seated onto the chassis feed ramp. (Fig. b-2).

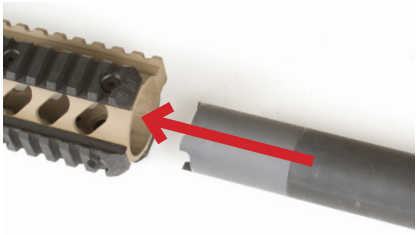


Figure b-1

4. Insert the appropriate bolt into the SRS-A1, locking it into position.

Figure b-2

5. With a 5mm hex-wrench, turn the barrel locking lug on the left side of the rifle to the "Lock" position. (Fig. b-3)

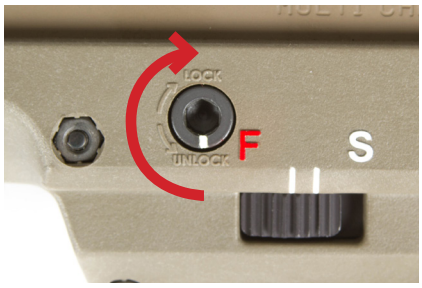


Figure b-3

6. Using a 5mm hex-wrench, torque the four barrel retention screws on the right side of the rifle to 80 in/lb (9.04 nm). A torque wrench is highly recommended for this step to prevent over-tightening the barrel retention screws (figure b-4).

*Right-handed model shown, left-handed model will be the opposite side.

Figure b-4

WARNING: EXCEEDING THE TORQUE SPECIFICATION WHEN TIGHTENING THE BARREL RETENTION SCREWS CAN PERMANENTLY DAMAGE YOUR RECEIVER AND WILL VOID ALL WARRANTIES! Portable torque wrenches are available to purchase at our website at www.deserttech.com or by calling 801.975.7272.

7. Place the recoil pad assembly onto the rifle and push it upward until the recoil pad mounting plate release tab is engaged.

8. Open bolt.

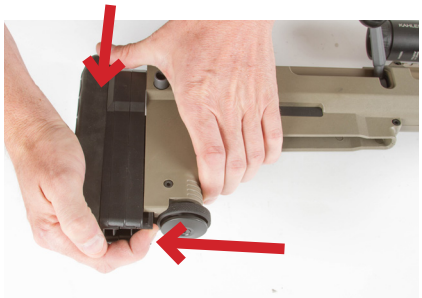


Figure b-5

d) FOREARM RAIL PLACEMENT

Parts Necessary

DT SRS-A1 Receiver Assembly (not pictured)
DT SRS Picatinny Rail Kit

Tools Necessary

3mm Hex Torque Wrench (Inch/Pounds)

Assembly

1. Place the forearm rails onto the forearm sides or bottom. Screw the rail onto the forearm with 2.5mm hex-wrench to 8 in/lb (0.9 nm). (Fig. d-1)

Figure d-1

x) TRIGGER ADJUSTMENT

Parts Necessary

DT SRS-A1

Tools Necessary

2.5mm Hex Torque Wrench (Inch/Pounds)

Trigger Creep Adjustment

1. Ensure the Safety Slide is in the "S" (safe) position before making any trigger creep adjustments. (Fig. x-1)

   Locate the Trigger Creep Screw through the small hole in the trigger guard located just in front of the trigger.

   Using a 2.5mm hex wrench, insert the end of the wrench through the hole in the trigger guard and into the Trigger Creep Screw. (Fig. x-2)

   Rotating the Trigger Creep Screw counter-clockwise will add additional creep to the trigger pull; rotating the screw clockwise will remove creep from the trigger pull.

   After adjusting your Trigger Creep Screw, ensure that the Safety Slide still has smooth, unrestricted movement to both the Fire and Safe positions (Fig. x-1). Use Blue Loctite 243 to secure it in position.

   If movement is not free, rotate the Trigger Creep Screw counter-clockwise until the Safety Slide movement returns to a smooth, unrestricted feel.

Figure d-1

Trigger Weight Adjustment

1. Insert a 2mm or 2.5mm (depending on SRS revision) hex wrench through the rear hole in the bottom of the trigger guard and into the rear screw on the trigger. Turn clockwise to increase trigger weight, and counter-clockwise to decrease weight (figure e-3).

Figure d-1

TRIGGER POSITION ADJUSTMENT

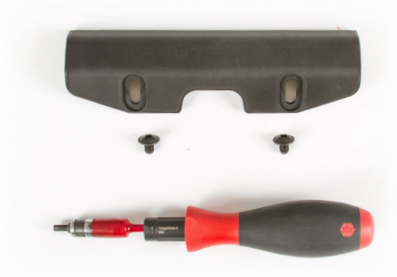
1. Loosen the trigger screw using a 2.5mm hex-wrench. The trigger can slide up to 1/4". When desired trigger position is found, tighten trigger screw to 24 in/lb (2.71 nm). (figure e-4).

Figure d-1

f) CHEEK PIECE INSTALLATION

Parts Necessary

DT SRS-A1 Receiver (not pictured)
DT SRS Overmolded Cheek Piece
2 - Screw, BHCS, M6x8



Tools Necessary

4mm Hex Torque Wrench (Inch/Pounds)

Installation

1. Place Overmolded Cheek Piece on the cut out in the receiver and stock panel set.

Figure f-1

2. Using a 4mm Allen Wrench thread the screws into the holes in the receiver. Torque to 24 in/lbs. (Fig. f-1)

g) RECOIL PAD INSTALLATION

Parts Necessary

DT SRS-A1
Recoil Pad Assembly (DT-SRS-BP-013)

Tools Necessary

None

Installation

1. Using the vertical locking arms on the Recoil Pad Assembly as an indexing point, insert the assembly into the Stock Panel Set and slide it upward until there is an audible clicking noise.

Figure 23

x) LENGTH OF PULL ADJUSTMENT

Parts Necessary

DT SRS-A1

Tools Necessary

None

Length of pull is the distance between the center of the modular recoil pad and trigger. The SRS-A1 length of pull is adjusted by the modular recoil pad spacers between the rubber modular recoil pad and the rifles stock. These spacers can be added or removed to increase or decrease between the shooter's shoulder and rifle's trigger.

Adjustment

1. To remove the recoil pad spacers and recoil pad, push the tab on the bottom of the spacer toward the rear of the rifle while sliding the recoil pad down and away from the rifle. (Fig. x-1)

   To remove a recoil pad spacer, pull the release tab toward the recoil pad and slide the recoil pad spacer upwards, (Fig. x-2).
   To add a recoil pad spacer, place the recoil pad spacer into the notches and slide the recoil pad spacer downward until it locks into position.

Figure d-1

x) MONOPOD ADJUSTMENT

1. To quickly set the monopod to a desired height, shoulder the rifle in the prone position, then pull the monopod's knurled knob downward. The monopod's spring-loaded foot will drop down. Release the knurled knob to lock the monopod into position. (Fig. x-1)

Figure f-1

2. Twist the knurled knob clockwise and counter-clockwise for fine elevation adjustment. (Fig. x-2)

3. To retract the monopod foot, pull the knob downward while pushing the foot upward into the rifle.

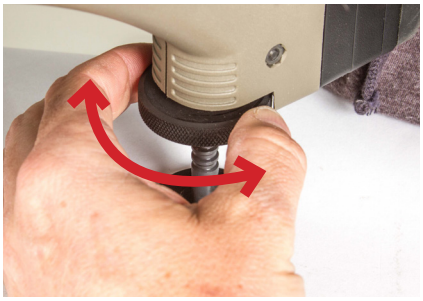


Figure f-1

RIFLE OPERATION

a) Magazine Loading and Unloading

1. With the magazine in an upright position and slots facing you, place the cartridge on the follower. Press down and slide the cartridge rearward (Fig. x-1). Repeat until loaded. See page 5 for magazine capacities.

2. To unload, push the cartridge down and forward out of the magazine.

Figure d-1

b) Magazine Insertion and Removal

1. Insert the magazine upward into the magazine well until the magazine catch is engaged.

2. To remove the magazine, press the magazine release on either side of the rifle.

Figure d-1

WARNING: Never chamber a round until you are ready to fire.

WARNING: Wear eye and ear protection while operating the rifle.

WARNING: See page XX for initial cleaning before operating rifle.

c) Firing the SRS-A1

1. Insert a loaded magazine with the bolt to the rear.

2. Run the bolt forward and lock downward into place.

3. Set safety slide to "F" (Fire). (Fig. x-1)

4. With a round chambered, the rifle is now ready to fire.

5. Slowly press the trigger to fire.

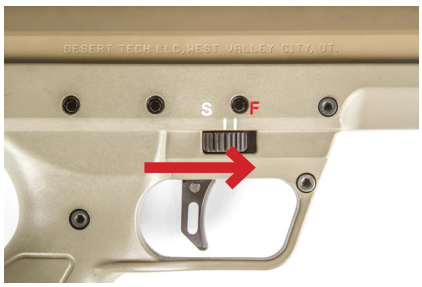
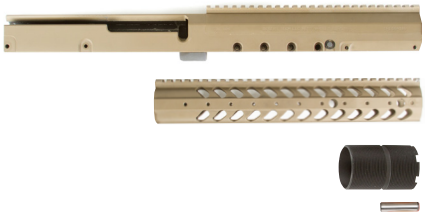


Figure d-1

RIFLE ASSEMBLY & DISASSEMBLY

a) FOREARM INSTALLATION

Parts Necessary



DT SRS Receiver
DT SRS Forearm (Standard or Covert)
DT SRS Forearm Coupler
DT SRS Forearm Pin
DT SRS Picatinny Rail Kit (Standard or Covert)

Tools Necessary

DT SRS Forearm Coupler Tool (DT-SRS-PK-030)
1/2" Drive Torque Wrench, capable of 50 ft/lb
10" Long 1/2" Drive Wrench Extension (Standard SRS Forearm)
2" Long 1/2" Drive Wrench Extension (Covert SRS Forearm)
Loctite 243

Installation

1. Place a clean cloth between the jaws of the vise to protect the finish of parts. (Fig. 1)

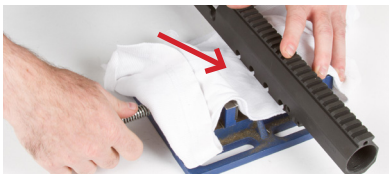


Figure a-1

2. Place Receiver in vise with the rails on top and the front face protruding outward for access to threads inside the Receiver. The Receiver should sit with the jaws of the vise centered on the barrel retention screws. (Fig. a-1)

3. Tighten the vice with the Receiver inside, do not over-tighten the vise with the Receiver inside. DO NOT over-tighten the vise and damage the Receiver. The vise needs to be tight enough that the Receiver will not rotate while applying torque to the Forearm Coupler. (Fig. a-1)

Figure a-2a Figure a-2b

4. Place Forearm Pin into hole on the front face of the Receiver. (Fig. a-2a, a-2b)

5. Align the Forearm Coupler with threads on front of Receiver with the notched end out.

6. Begin Screwing the Forearm Coupler into Receiver. The Forearm Coupler is left-hand (reverse) threaded; it turns counter-clockwise to screw inwards. (HTI is right-handed threads/ clockwise, adjust accordingly.)

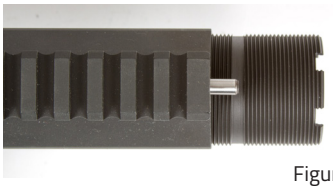


Figure a-3

7. The center of the Forearm Coupler has a space without threads. Stop screwing the Forearm Coupler in when the unthreaded position is about centered to the outside edge of the Forearm Pin. (Fig. a-3)

8. Apply a drop about the size of 3 grains of rice of Loctite 243 (Blue) to the top of the coupler on the forearm side about four threads from the center. (Fig. a-4)

Figure 4

9. Thread the Forearm onto the notched end of the Forearm Coupler until the rear face of the Forearm nearly touches the Forearm Pin. (Fig. a-5)

10. Use the top rail as an alignment reference to ensure proper alignment of the Forearm to the Receiver and the installed Forearm Pin.

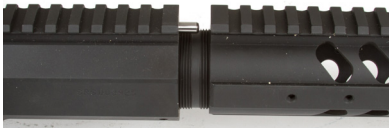


Figure 5

11. Set the 1/2 Torque Wrench to 50 ft/lb.

12. Insert the Forearm Coupler Tool down the center of the Forearm with a 1/2" Torque Wrench and a 1/2" socket extension(s). (Fig. a-6)

13. Engage the notches of the Forearm Coupler with the Forearm Coupler Tool.

14. Begin tightening the Forearm Coupler by turning the Torque Wrench counterclockwise. (HTI is right-handed threads/clockwise, adjust accordingly.)

15. Use one hand to hold the Forearm aligned to its pin hole until the Forearm Pin engages both the Forearm, and the Receiver. (Fig. a-7)

16. Once the Forearm and Receiver have made contact, maintain inward pressure and finish tightening by torquing to 50 ft/lb.

17. Ensure proper alignment and remove tools. (Fig. a-8)

Figure 6

Figure 7

Figure 8

Removal

11. Place a clean cloth between the jaws of the vise to protect the finish of parts.
12. Place Receiver in vise with the rails on top and the front face protruding outward for access to threads inside the Receiver. The Receiver
13. should sit with the jaws of the vise centered on the barrel retention screws. (Fig. 1)

14. Tighten the vice with the Receiver inside, do not over-tighten the vise with the Receiver inside. DO NOT over-tighten the vise and damage the Receiver. It needs to be tight enough that the Receiver will not rotate while applying torque to the Forearm Coupler.
15. Insert the Forearm Coupler Tool down the center of the Forearm with a 1/2" Torque Wrench and a 1/2" socket extension(s). (Fig 6.)
16. Engage the notches of the Forearm Coupler with the Forearm Coupler Tool.
17. With steady pressure against Forearm Coupler, begin to loosen the Forearm Coupler by turning the Torque Wrench clockwise. (HTI is right-handed threads/ counter-clockwise, adjust accordingly.) This should require no more than 100 ft/lb of torque to break loose. (Reverse/Clockwise of Fig. 7)

    Once Forearm has been extended past the Forearm Pin, remove the 1/2" Torque Wrench and finish removal by hand. (Fig. 5)

Figure a-1

Figure 6

Figure 7

Forearm Installation Quality Control

1. Using both hand twist on the forearm to verify no left to right movement or wobble
2. Check to ensure all rails are aligned and centered as closely as possible.

b) MONOPOD ASSEMBLY INSTALLATION

Parts Necessary

DT SRS Monopod Assembly (DT-MON)
DT SRS Receiver (DT-SRS-RC-001-B-U) Black
(DT-SRS-RC-001-F-U) FDE

Tools Necessary

Crescent Wrench
Loctite 243

Installation

1. Place a small drop of Loctite 243 onto the threads of the Monopod Threaded Tube. (Fig. 9)

Figure 9

2. Using a Crescent Wrench thread the sleeve into the cut out in the receiver. (Fig. 10)

Figure 10

c) TRIGGER ASSEMBLY AND TRANSFER BAR INSTALLATION

Parts Necessary

DT SRS Receiver (DT-SRS-RC-001-B-U) Black
(DT-SRS-RC-001-F-U)
DT Trigger Assembly
-Right Handed (DT-TRG-001)
-Left Handed (DT-TRG-001-SRS-LH)
DT SRS Transfer Bar (DT-SRS-RC-006)
2 - Screw, SHCS, M4X8 (HW-SC-SHCS-M4X8)

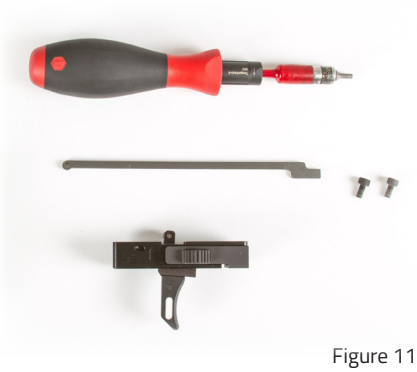


Figure 11

Tools Necessary

3mm Hex Torque Wrench (Inch/Pounds)
Loctite 243

Installation

1. Rotate the receiver upside down so that the picatinny rail is on the bottom.

Figure 12

2. Place the Transfer Bar on the post extruding from the trigger lever. Ensure that the hook on the Transfer Bar is facing downward and slides into the steel pins in the receiver. (Fig. 12-a, 12-b)

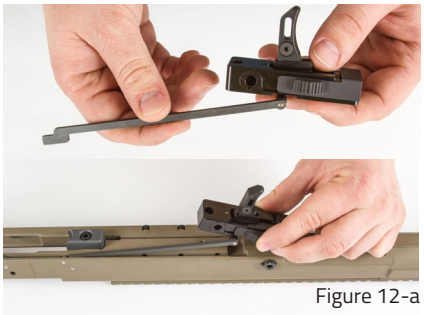


Figure 12-a

Figure 12-b

3. With the Transfer Bar installed, remove the safety slide by pulling it forward off the trigger assembly, and align the Trigger Assembly with the two mounting holes in the receiver ensuring the curved portion of the trigger is facing the forearm.

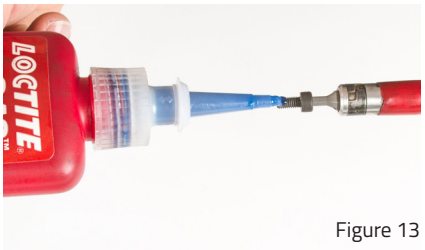


Figure 13

4. Place a small amount of Loctite 243 (about a grain of rice) on the threads of the Trigger Mounting Screws. (Fig. 13)

5. Using a 3mm Allen Wrench thread the Trigger Mounting Screws into the trigger and receiver. Torque to 24 in/lbs. Reinstall Safety Slide. (Fig. 14)

Figure 14

d) MAGAZINE CATCH ASSEMBLY INSTALLATION

Parts Necessary

DT Mag Catch Assembly (DT-SRS-SP)
DT Magazine Release Button (DT-SRS-SP-003)
DT SRS Magazine Release Spring (DT-SRS-SP-009)

Tools Necessary

None

Installation

1. Holding the right side of the Stock Panel Set, insert the Magazine Catch Lever into the slot on the stock panels. (Fig. 15)

Figure 15

2. Place the Spring onto the Magazine Release Button and turn the Magazine Release Button clockwise into the Magazine Catch Lever that has been inserted into the panel until it stops rotating. (Fig. 16)

Figure 16

3. Rotate the Magazine Release Button counter-clockwise about one rotation and ensure it is oriented vertically.

4. Dry fit the Left side of the Stock Panel Set onto the right side and ensure the Magazine Release Button is protruding from the slot in the left side of the Stock Panel Set. (Fig. 17)

Figure 17

5. Press the button and the lever several times and make sure there is no binding on either side.

e) STOCK PANEL SET INSTALLATION

Parts Necessary

DT SRS Receiver (DT-SRS-RC-001-B-U) Black
(DT-SRS-RC-001-F-U)
SRS Stock Panel Set (DT-SRS-SP-010)
3 - Screw, SHCS, M4X41.55 (HW-SC-SHCS-M4X41.55)
1 - Screw, SHCS, M4X12 (HW-SC-SHCS-M4X12)
1 - Screw, SHCS, M4X30 (HW-SC-SHCS-M4X30)
1 - Screw, SHCS, M4X37 (HW-SC-SHCS-M4X37)
2 - Screw, SHCS, M4X16 (HW-SC-SHCS-M4X16)
2 - Screw, SHCS, M4X32.58 (HW-SC-SHCS-M4X32.58)
2 - DT SRS Aft Sling Stud (DT-SRS-SP-001)
2 - DT SRS Aft Sling Stud Screw (DT-SC-FHS-M5X16-MOD)

Tools Necessary

3mm Hex Torque Wrench (Inch/Pounds)

Installation

1. Ensure the nuts are all present in their corresponding slots in the left side of the Stock Panel Set. (Fig. 18)

Figure 18

2. Fit both sides of the Stock Panel Set onto the receiver. (Fig. 19)

Figure 19

3. Insert the 3 M4X41.55 Screws into their corresponding holes in the right side of the Stock Panel Set. Use the 3mm Allen Wrench to tighten the screws into the washers on the other side of the stock panel set. (Fig. 20-a, 20-b)

Figure 20-a, 20-b

4. Insert the rest of the screws into their corresponding holes and use the 3mm Allen Wrench to tighten them in a fore to aft pattern. Torque to 8 in/lbs. (Fig. 21)

Figure 21

5. Insert the Sling Stud Screws into the Sling Studs and thread them into the holes in the panels and receiver. Torque to 24 in/lbs. (Fig. 22-a, 22-b)

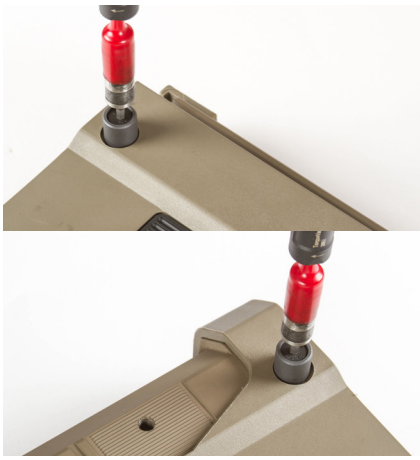


Figure 22-a, 22-b

j) BOLT ASSEMBLY

Parts Necessary

DT SRS Bolt Head Assembly
DT SRS Bolt Body
DT SRS Bolt Handle
DT SRS Striker
DT SRS Bolt Sleeve
DT SRS End Cap
DT SRS Firing Pin
DT SRS Bolt Body Pin
DT Striker Spring

Tools Necessary

1/2" driver

Disassembly

1. Remove the bolt from the rifle (see page X)

2. Grip the bolt sleeve and rotate the bolt body so the striker is in its forward position. This will minimize spring tension on the end cap. (Fig. x-1)

Figure j-1

Using a 1/2" drive, slightly depress and rotate the end cap counter-clockwise until the end cap pops out about 1/4". Then rotate the end cap clockwise to remove it completely. (Fig. x-2)

WARNING: Bolt is under spring pressure. Wear safety glasses.

Rotate the bolt body so the internal parts (striker spring, striker, and firing pin) fall free.

Figure j-1

Using a punch or 5mm hex-wrench, push the bolt body pin out from its smaller side. (Fig. x-3)

Remove bolt head.

Figure j-1

Assembly

Note: For reference of bolt assembly, see page 52.

1. Place the bolt head into the bolt body. (Fig. j-1) Align the extractor of the bolt head with the bolt handle. Press or tap the bolt body pin with a small brass hammer until it is fully seated into the bolt body. (Fig. j-2)

Figure j-1

2. Drop the firing pin into the bolt body, ensuring it protrudes out the firing pin hole.

Fig. j-2

3. Insert the striker into the bolt sleeve slot with the striker's tab facing out so the striker's tab is aligned with the sleeve slot. (Fig. j-3)

4. Slide the striker and bolt sleeve onto the bolt body.

Fig. j-3

5. Rotate the bolt sleeve so that the striker is in its forward position. This will minimize spring compression. (Fig. j-4)

Figure j-4

6. Drop the striker spring into the striker. (Fig. j-5)

Figure j-5

7. Press the bolt end cap into the rear of the bolt, twisting it counter-clockwise until it stops. (Fig. j-6)

Figure j-6

8. Using a 1/2" drive wrench, push the end cap into the bolt body and twise it clockwise until it locks into it's seated position. (Fig. J-7)

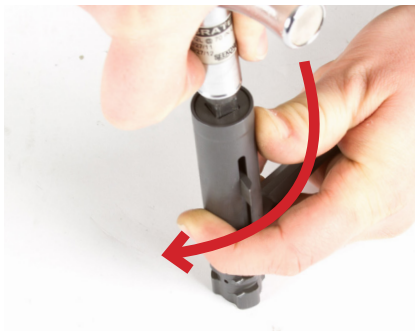


Figure j-7

9. Grip the bolt sleeve and rotate it so that the striker is in its rear position. (Fig. j-8)

Figure j-8

b) SRS Bolt Assembly Quality Control

1. Check function of bolt by cocking and decocking by hand

2. Ensure DT SRS Firing Pin drops free while bolt is cocked

3. Ensure DT SRS Firing Pin protrudes from bolt face while decocked

4. Ensure DT SRS Bolt Handle is properly installed and has no burrs

5. Verify DT Bolt knob is not stripped

6. Verify DT SRS Bolt Sleeve slides freely and without binding

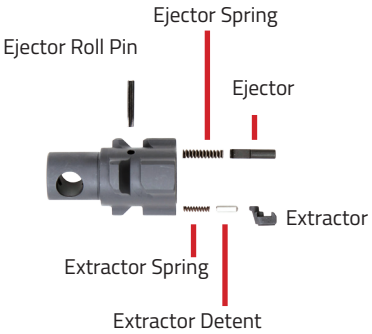
7. Check DT SRS Bolt Body for excessive wear

8. Check DT SRS Bolt Body Pin and DT SRS Bolt Head for excessive travel

j) BOLT HEAD

Parts Necessary

DT Bolt Head
DT Ejector Spring
DT Ejector Pin
DT Ejector Roll Pin
DT Extractor Spring
DT Extractor Detent
DT Extractor



Tools Necessary

Straight or 90-Degree Pick
Needle Nose Pliers
3/32" Punch
1/16" Punch
Bolt Head Jig
8oz. Brass Hammer

Extractor Installation

1. Use a small round file and compressed air to clear all holes in the DT Bolt Head of burrs and debris.

2. Locate the bolt face. The bolt face is the area on the bolt head where the casing seats.

3. Insert the DT Extractor Spring into the extractor hole, located at the bottom of the open recess cut into the bolt face.

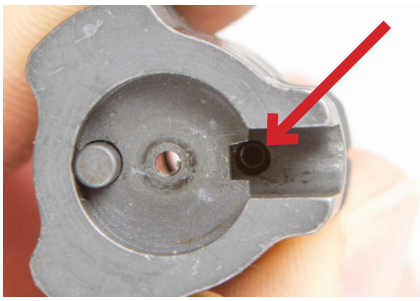


Figure 23

4. Insert the DT Extractor Detent on top of the DT Extractor Spring.

Figure 23

5. Using a needle nose pliers, hold the top side of the DT Extractor, which is the hooked end, and place on top of the DT Extractor Detent with the extractor hook facing inwards.

Figure 23

8. Press the DT Extractor down onto the DT Extractor Detent and slide it towards the center. Once it is low enough to clear the opening of the hole for the extractor, it will slide into position.

Figure 23

Extractor Removal

1. Using one of the provided pick tools, insert between the DT Extractor and Extractor Detent.

Figure 23

2. Use the pick to depress the DT Extractor Detent while prying the DT Extractor towards the bolt face.

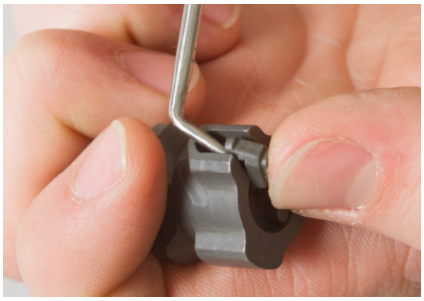


Figure 23

3. Once the DT Extractor is removed, turn the bolt head upside down; the DT Extractor Detent and DT Extractor Spring should fall out freely. Dirty parts may not fall freely; lightly tap the DT Bolt Head on a solid surface with the Bolt Head facing down.

Figure 23

Ejector Installation

1. Place the DT Ejector Spring in the ejector hole(s) located on the face of the bolt.

Figure 23

2. Place the DT Ejector Pins in the ejector holes on top of the DT Ejector Spring; be sure to place the milled, recessed end first. Rotate the DT Ejector Pin(s) so when the pins are depressed, the milled recess runs in line with the hole on the side of the bolt.

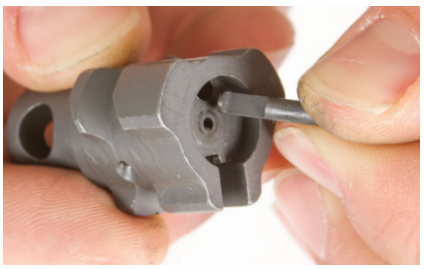


Figure 23

3. Place the DT Bolt Head into the Bolt Head Jig while being careful not to move the DT Ejector Pin(s) out of alignment. Depress the DT Ejector Pin(s) by actuating the lever on the Bolt Head Jig.

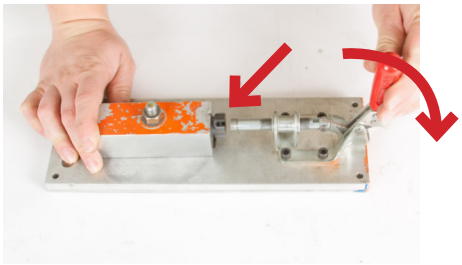


Figure 23

4. With the Bolt Head Jig holding the DT Ejector Pin(s) down, prepare the DT Ejector Roll Pin by slightly crimping one end with needle nose pliers.

Figure 23

5. Using the 3/32" punch and an 8oz. Brass Hammer, insert the DT Ejector Roll Pin into the hole in the side of the bolt. Slowly tap the DT Ejector Roll Pin into position; it should be just under flush with the bolt head sides. (Fig. x-2)

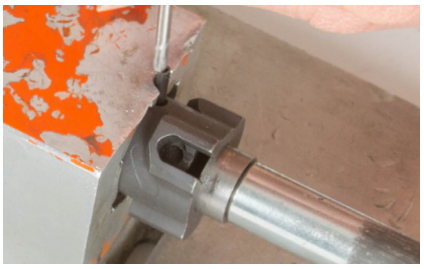


Figure 23

Figure 23

Ejector Removal

1. Install the Bolt Head in the Bolt Head Jig with the Extractor facing up.

Figure 23

2. Using a 3/32 punch and brass hammer, tap the DT Ejector Roll Pin out of the bolt head from the top.

Figure 23

3. Tip the bolt head downward, so the bolt face is pointing down, and the DT Ejector Pin and the DT Ejector Spring should fall out. If dirty, it may require tapping the bolt head on a solid surface to remove them.

Figure 23

b) Bolt Head Assembly Quality Control

Quality Control

1. Test ejectors and extractors for spring tension and proper installation. Using a 3/32" punch, actuate the ejectors by depressing below the face of the bolt three (3) consecutive times. From the center of the bolt, press outward on the extractor three (3) consecutive times, ensuring it properly resets.

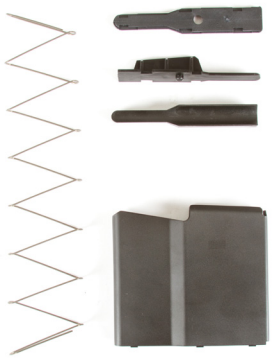
2. Check the bolt head for excessive wear, outside of standard wear and tear.

Figure 23

Figure 23

i) MAGAZINE ASSEMBLY

Parts Necessary



DT SRS Magazine Housing
DT SRS Magazine Follower
DT SRS Magazine Spring
DT SRS Magazine Base Plate
DT SRS Magazine Spring Guide

Tools Necessary

Small pointed opbject

WARNING: Remove all cartridges before disassembling the magazine.

Disassembly

1. Remove magazine from the rifle (see page 25).

2. With the magazine (unloaded) upside-down, use a small pointed object and push the spring guide inward (figure b-1).

Figure j-8

WARNING: The magazine spring is under pressure. Wear eye protection and take caution when removing the magazine floorplate.

3. With the spring guide depressed, slide the magazine floor plate rearward approximately 1/4" (figure b-2).

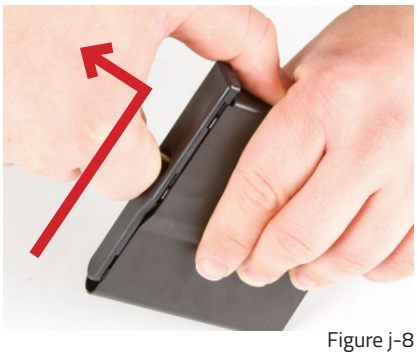


Figure j-8

4. Remove the magazine floor plate and spring guide while capturing the spring.

5. Remove the magazine spring and follower from the magazine housing.

Assembly

1. Hold the DT SRS Magazine Housing with feed-lips facing downward.

2. Insert the DT SRS Magazine Follower with curved face downward, and drop it into place. (Fig. i-1)

Figure i-1

3. Identify the top and bottom of the SRS Magazine Spring. The top has the narrower coil at the end. (Fig. i-2)

Figure i-2

4. Insert the top of the DT SRS Magazine Spring into the DT SRS Magazine Housing and seat the highest point of the DT SRS Magazine Spring in the center of the DT SRS Magazine Follower female cavity. (Fig. i-3)

Figure i-3

5. Place the DT SRS Magazine Spring Guide with the raised area seated inside the DT SRS Magazine Spring coil. (Fig. i-4)

Figure i-4

ASSEMBLY QUALITY CONTROL

1. Check for scratches and dents beyond 1/16" normal wear and tear

2. Ensure magazine is assembled correctly

3. Check function of magazine by depressing the follower down using the DT Magazine Tool 10-15 times and ensuring no failures.

e) STOCK PANEL SET INSTALLATION

Parts Necessary

DT SRS-A1 Receiver (not pictured)
SRS-A1 Stock Panel Set
3 - Screw, SHCS, M4X41.55
1 - Screw, SHCS, M4X12
1 - Screw, SHCS, M4X30
1 - Screw, SHCS, M4X37
2 - Screw, SHCS, M4X16
2 - Screw, SHCS, M4X32.58
2 - DT SRS Aft Sling Stud
2 - DT SRS Aft Sling Stud Screw

Tools Necessary

3mm Hex Torque Wrench (Inch/Pounds)

Installation

1. Ensure the nuts are all present in their corresponding slots in the left side of the Stock Panel Set. (Fig. e-1)

Figure e-1

2. Fit both sides of the Stock Panel Set onto the receiver. (Fig. e-2)

Figure e-2

Insert the rest of the screws into their corresponding holes and use

3. Insert the 3 M4X41.55 Screws into their corresponding holes in the right side of the Stock Panel Set. Use the 3mm Allen Wrench to tighten the screws into the washers on the other side of the stock panel set. (Fig. e-3a. e-3b)

Figure e-3a, e-3b

Removal

Note: For reference of stock panel assembly, see page XX

1. Remove conversion kit (see pages 10-12).
2. Using a 3mm hex-wrench, unscrew the aft sling studs (see figure c-1).

Figure e-1

3. With a 4mm hex-wrench, loosen and remove cheek-piece.
4. Lay the rifle down with the right side facing up.
5. Using a 3mm hex-wrench, remove the 10 stock panel screws, keeping track of where each screw goes (figure c-2).

   Note: Each screw is location specific.

6. Carefully separate the stock panel halves from the receiver.

Figure e-1

INSPECTION ELEMENTS

Cleaning

Comprehensive knowledge of how to service and handle firearms is of great importance. Experience has shown that most failures, which occur while operating a firearm, are due to negligence in maintenance. Special attention must be paid to cleaning, lubricating, and inspecting the rifle; this will determine whether or not the rifle will function properly. In order to maintain accuracy, the barrel must be maintained properly. The receiver, bolt assembly, and other moving parts of the rifle must be kept clean and lightly lubricated to ensure proper operation of the rifle.

a) Initial Cleaning

Warning: Never use abrasive or metallic materials to clean your SRS-A1.

Note: When the rifle is purchased or after it has been stored for long periods of time, the rifle should be cleaned before use.

1. Adhere to all rifle safety precautions.
2. Clear the rifle. Move safety slide to "S" (safe) (page 17), remove the magazine, (page 25), open the bolt (page 10) and visually inspect the chamber to ensure the chamber is clear.
3. Any heavy or gummy deposits may be removed using very light rust preventative oils. After cleaning, wipe dry and lightly coat with gun oil as directed (see page 40

b) Periodic Maintenance

Barrel:

Desert Tech recommends cleaning the barrel when accuracy begins to deteriorate, using bore cleaning foam and the proper-sized Bore Snake. Follow cleaner product instructions when cleaning the barrel.

Muzzle Break:

Ensure the ports are clear of debris and occasionally check to ensure the brake is securely fastened.

Magazine:

The magazine should be disassembled, cleaned, and lightly oiled regularly (see pages 31-34).

Receiver Interior:

A visual and manual inspection of the inside of the receiver will reveal what, if any, cleaning is necessary. Most debris can be removed with a cloth or cleaning patch.

Bolt Face:

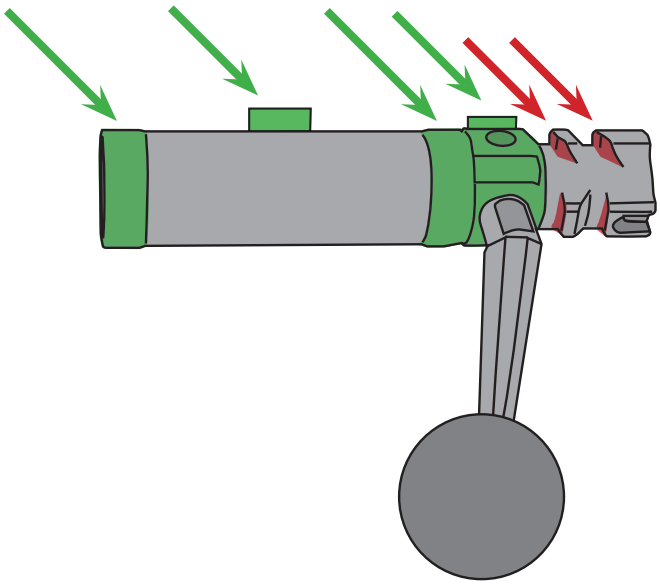
Ensure the bolt face is free from debris. This area can be wiped clean. This is also a good time to ensure that the ejectors and extractor are functioning properly by manually actuating them to ensure proper spring function and return. Also, a light amount of lubricant may be applied to the bolt face at this time.

Bolt Interior:

The operator should occasionally remove the firing pin assembly from the bolt (pages 27-31). Wipe this area clean and apply a light amount of lubricant.

c) Lubrication points

1. Desert Tech recommends a moly-based grease for bolt head lubrication. Using a cotton swab, apply a small amount of moly grease to the rear of the six bolt head lugs (red areas).
2. Apply a light coat of gun oil around the raised surface of the bolt sleeve, bolt body and striker points (green areas).



d) Storage

WARNING!
KEEP OUT OF REACH OF CHILDREN!

1. Ensure the rifle chamber is clear and the magazine is unloaded and the rifle is on "S" (safe) position.
2. If possible, store rifle in a gun safe, with the butt of the stock resting on the ground and the muzzle pointed up.
3. If a safe is unavailable, store in a secure location, ensuring it is out of reach of children.

Inspection Checklist

As the assembler, you must ensure when firearm is complete, it passes ALL of these checks.

Paint / Visual Appearance

1. Verify consistency in coating between receiver and forearm (scratches, color)
2. Verify anodize is good
3. Inspect entire rifle for any scratches or dings
4. Verify any modifications are clean and don't change desired function or look.
5. Check the magwell, monopod area, and buttpad area for burrs, clean all plastic up
6. Inspect paint F/S on both sides (Red paint of F, White paint on Vertical lines and S)
7. Check paint on barrel locking lug (White paint in small recessed cut)
8. Ensure no rusty screws, bolts, or nuts
9. Check cheekpiece for imperfections (bubbles, excess glue, ragged edges, cuts)
10. Check Recoil Pad for imperfections (injector boss evidence is ok)

Mechanical Assembly

11. Verify all 4 barrel retention screws and brass washers are installed
12. Verify feed ramp is installed
13. Verify bolt sleeve stop screw is installed to the right depth
14. Check sear pin is installed correctly
15. Verify trigger screw is tight
16. Verify all stock panel screws and nuts are installed properly
17. Verify 2 sling studs are installed and all quick connector ports are functioning properly
18. Check forearm picatinni and receiver alignment
19. Verify forearm is tight
20. Verify 3 picatinni rails are installed correcty on forearm (placement and screws)

Fit, Form, and Function

21. Check trigger creep and verify that it is loctited
22. Verify trigger weight adjusts properly
23. Verify trigger pull movement is proper (trigger rub) and safety slide engages properly
24. Barrel must slide into chassis easily (must remove by weight of chassis only)
25. Verify barrel locking lug turns properly
26. Verify bolt moves freely in chassis (no aluminum shavings)
27. Verify bolt moves into firing Position smoothly and fully locks
28. Function test sear and transfer bar by dryfiring and resetting (15-20 times)
29. Buttpad switch moves easily (release and replace buttpad)
30. Verify buttpad passes pull/push test (about 50lbs)
31. Check that the monopod functions properly (extend, retract, and spin) If applicable.
32. With retention screws hand tight verify safety switch moves easily and properly engages
33. Check that the magazine feeds rounds properly
34. Verify mag release switch moves properly
35. Check that the magazine slides in and out of chassis freely

Assembly Inspection

36. Initial and date final inspection sticker (Verify Assembly Tech has done the same)
37. Ensure Rifle is wiped clean

Desert Tech
Pre-Shipping Chassis Inspection

Serial # _____

Rifle Assembled By: _____

Job Number: _____

First and Second Inspection Date: ____ / ____

No	Yes		Rifle Test-Fired Properly				
		Model ID:	SRS L	SRS	Covert L	Covert	HTI
		Receiver & Forearm Color:	BLK (Black)		FDE (Tan)		ODG (Green)
		Stock Panel Color:	BLK (Black)		FDE (Tan)		ODG (Green)
		Monopod	Yes		No		

First Inspection	Pass / Fail	Second Inspection	Pass / Fail	Line #	Item Description
					Paint, Visual Appearance
	P F		P F	1	Verify consistency in coating between receiver and forearm (scratches, color)
	P F		P F	2	Verify anodize is good
	P F		P F	3	Inspect entire rifle for any scratches or dings
	P F		P F	4	Verify any modifications are clean and don't change desired function or look.
	P F		P F	5	Check the magwell, monopod area, and buttpad area for burrs, clean all plastic up
	P F		P F	6	Inspect paint F/S on both sides (Red paint of F, White paint on Vertical lines and S)
	P F		P F	7	Check paint on barrel locking lug (White paint in small recessed cut)
	P F		P F	8	Ensure no rusty screws, bolts, or nuts
	P F		P F	9	Check cheekpiece for imperfections (bubbles, excess glue, ragged edges, cuts)
	P F		P F	10	Check Butt Pad for imperfections (injector boss evidence is ok)
					Mechanical Assembly
	P F		P F	11	Verify all 4 barrel retention screws and brass washers are installed
	P F		P F	12	Verify feed ramp is installed
	P F		P F	13	Verify bolt sleeve stop screw is installed to the right depth
	P F		P F	14	Check sear pin is installed correctly
	P F		P F	15	Verify trigger screw is tight
	P F		P F	16	Verify all stock panel screws and nuts are installed properly
	P F		P F	17	Verify 2 sling studs are installed and all quick connector ports are functioning properly
	P F		P F	18	Check forearm picatinni and receiver alignment
	P F		P F	19	Verify forearm is tight
	P F		P F	20	Verify 3 picatinni rails are installed correcty on forearm (placement and screws)
					Fit Form Function
	P F		P F	21	Check trigger creep and verify that it is loctited
	P F		P F	22	Verify trigger weight adjusts properly
	P F		P F	23	With barrel fully installed Verify trigger pull movement is proper (trigger rub) and safety slide engages properly
	P F		P F	24	Barrel must slide into chassis easily (must remove by weight of chassis only)
	P F		P F	25	Verify barrel locking lug turns properly
	P F		P F	26	Verify bolt moves freely in chassis (no aluminum shavings)
	P F		P F	27	Verify bolt moves into firing Position smoothly and fully locks
	P F		P F	28	Function test sear and transfer bar by dryfiring and resetting (15-20 times)
	P F		P F	29	Buttpad switch moves easily (release and replace buttpad)
	P F		P F	30	Verify buttpad passes pull/push test (about 50lbs)
	P F		P F	31	Check that the monopod functions properly (extend, retract, and spin) If applicable.
	P F		P F	32	With retention screws hand tight verify safety switch moves easily and properly engages
	P F		P F	33	Check that the magazine feeds rounds properly
	P F		P F	34	Verify mag release switch moves properly
	P F		P F	35	Check that the magazine slides in and out of chassis freely
					Assembly / Inspection Tag
	P F		P F	36	Initial and date final inspection tag (Verify Assembly Tech has done the same)
	P F		P F	37	Ensure Rifle is wiped clean

*Photocopy this page for use with multiple rifle inspections

TROUBLESHOOTING

a) Failure to Fire *Striker assembly snaps home but rifle will not fire.

Warning: If the rifle fails to fire with a live round in the chamber of a hot barrel (a hangfire or jam), keep the rifle pointed in a safe direction, place the safety slide on the "S" (safe) position, and wait 30+ seconds before trying to remove the round. If you cannot remove the round, remove the magazine and wait at least 15 minutes with the rifle pointed in safe direction, then proceed from the following troubleshooting procedures to safely determine the cause of the malfunction and return the rifle to a safe condition.

Cause	Remedy
1. Magazine is empty	Open the bolt to remove possible last round. Inspect chamber and, if empty, insert full magazine and close the bolt to continue firing.
2. Magazine is not empty (Malfunction)	Cycle the bolt and clear possible defective or incorrectly positioned round. If a round or case ejects, inspect chamber. If empty, reload and continue firing. If nothing ejects, fully draw back bolt and check if cartridge or case is chambered. If empty, reload and continue firing. If base of cartridge is visible, close bolt and fire in a safe direction. If rifle fires and ejects, reload and continue. If rifle does not fire, set the safety slide to "S" (safe) and follow Failure to Extract on page 48.
3. Bolt not fully closed	Follow procedure for incorrect bolt manipulation (page 47).
4. Defective Cartridge	Inspect primer. If fully indented, set it down and wait for 15 minutes, then discard safely. If not fully indented, check firing mechanism.
5. Dirty firing mechanism, defective firing pin, or defective striker assembly.	Check for sluggishness of operation. Clean or replace as necessary.
6. Barrel not properly seated.	Ensure the location notch on the barrel extension aligns with the feed ramp inside the receiver and the barrel locking lug is in the locked position, (page 14).

b) Failure to Feed from Magazine

Cause	Remedy
1. Incorrect bolt manipulation	Clear jam if necessary and cycle the bolt.
2. Malfunctioning magazine	Replace with Desert Tech factory magazine.
3. Magazine improperly seated	Remove magazine and reinstall until magazine catch engag-
4. Magazine improperly loaded	Seat top cartridge properly. Check that the amount of cartridges in the magazine is compliant with magazine cartridge capacity.
5. Dirty magazine	Disassemble magazine and clean (pages 31-34).
6. Damaged magazine	Replace with Desert Tech factory magazine.
7. Double feeding of cartridge	Inspect for stuck case or cartridge and check extractor and ejector.

b) Failure to Chamber *Bolt does not fully close and rifle will not fire

Cause	Remedy
1. Incorrect bolt manipulation	Remove magazine, cycle bolt, replace magazine, and cycle bolt to chamber round.
2. Dirty chamber	Clean chamber.
3. Defective Ammunition	Check for damaged cartridges
4. Excessively dirty rifle	Check for sluggishness in bolt and firing mechanism. Clean and oil as necessary (pages 37-40 for general cleaning).

c) Failure to Extract or Eject *The fired case may not eject, or the rifle may jam (spent case left in chamber)

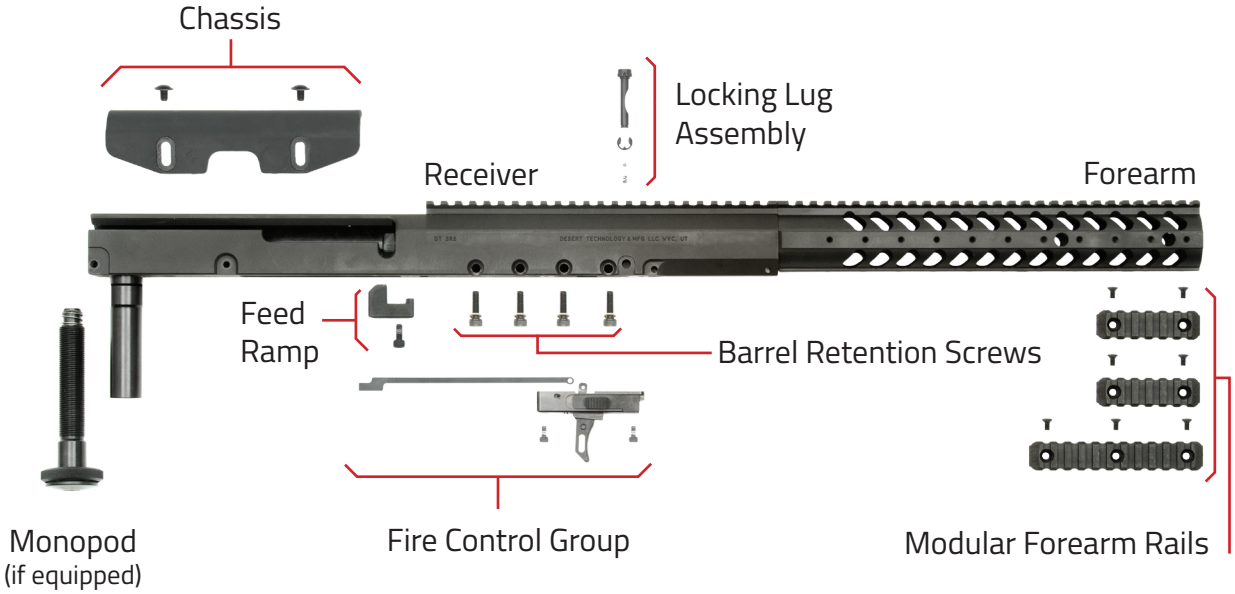
Caution: The following procedure should be carried out only after following the **WARNING** on page XX.

Cause	Remedy
1. Overpowered or defective ammunition (continued)	Check ammunition and change to a different brand of current commercially available manufactured ammunition.
2. Dirty or damaged chamber	Inspect and clean. Replace barrel, if necessary.
3. Fouled extractor	Clean extractor (pages XX, XX).
4. Extractor defective or missing	Replace extractor.
4. Damaged ejector	Replace ejector.

PARTS EXPLODED VIEW *Right-handed SRS-A1 receiver shown

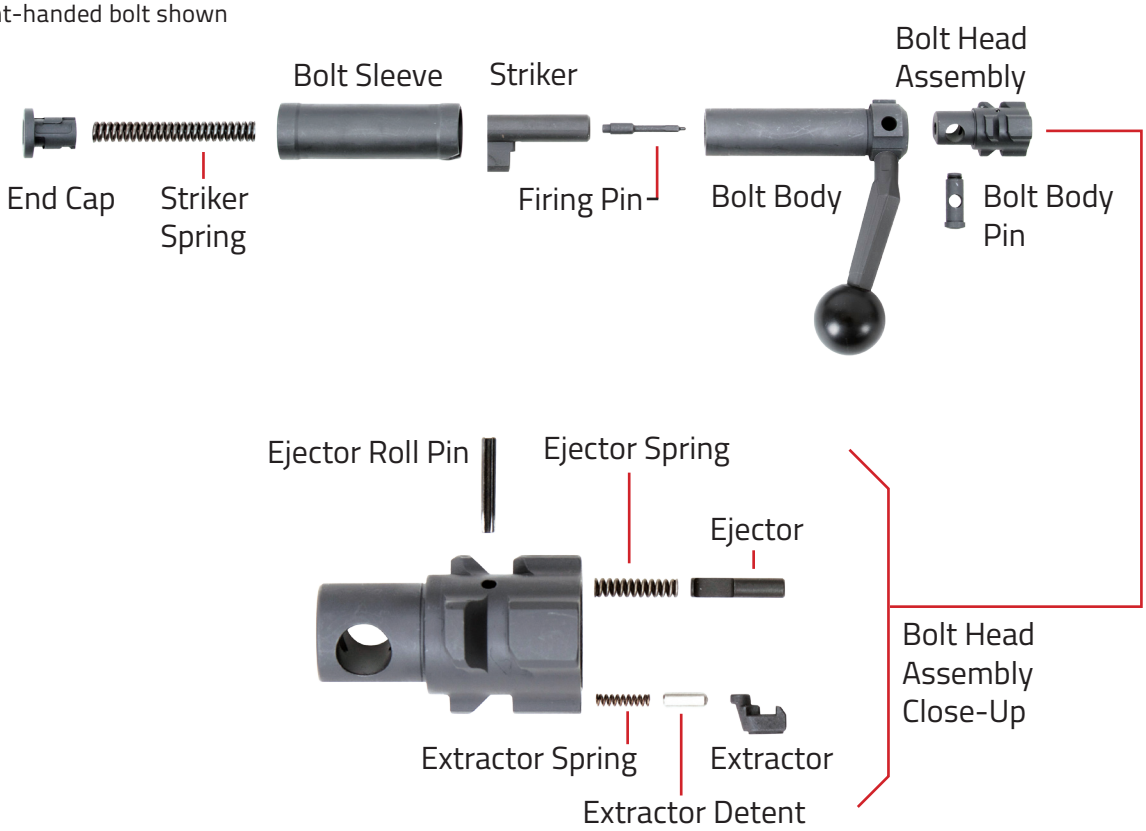
a) Rifle Assembly

b) Receiver Assembly

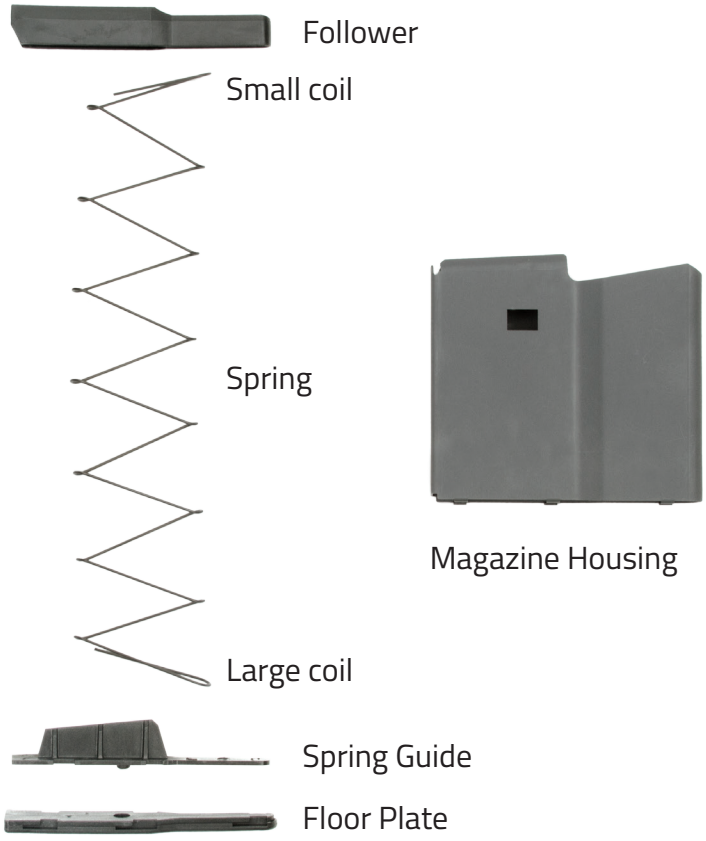


c) Bolt Assembly

*Right-handed bolt shown

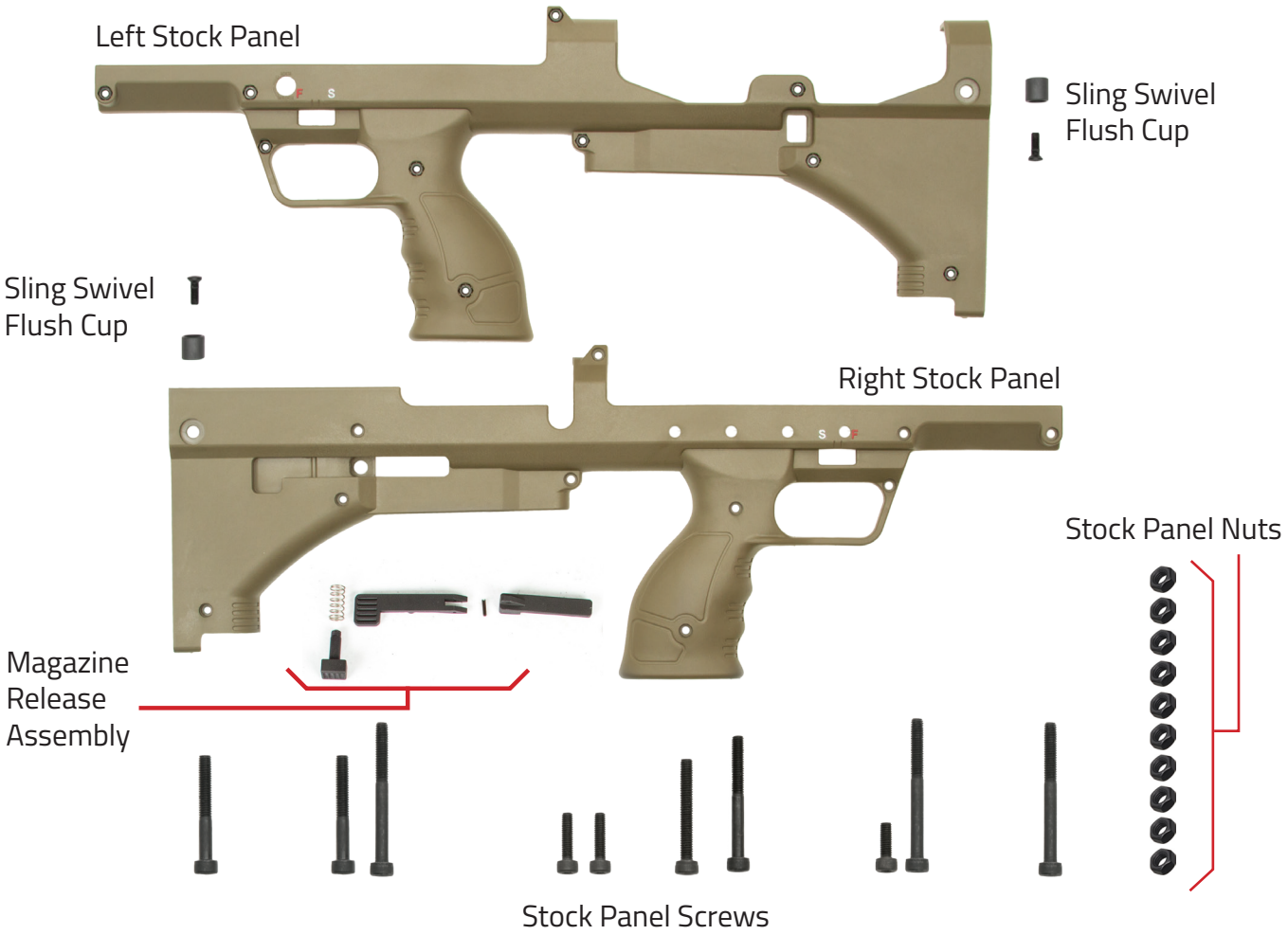


d) Magazine Assembly



e) Stock Panels Assembly

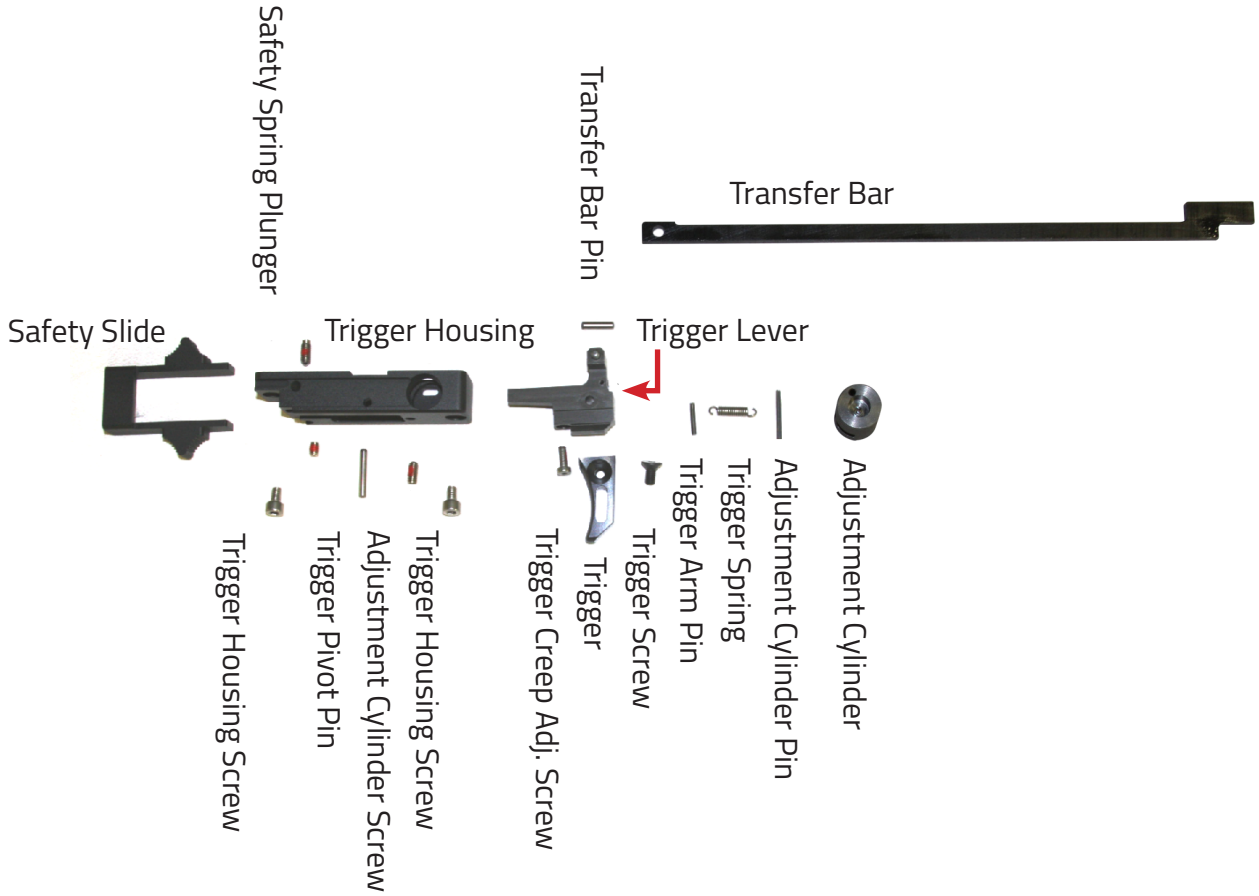
*Right-handed SRS-A1 stock panels shown



c) Cheekpiece Assembly

d) Barrel Assembly

d) Trigger Assembly



DESERT TECH WARRANTY POLICY

-Desert Tech warrants to the initial retail purchaser that for three (3) years from the date of purchase, your Desert Tech SRS A-1, SRS A-1 Covert, HTI, MDR, and R7S, including the chassis, conversion kits, scope mounts, muzzle brakes and magazines will be free from manufacturing defects in workmanship and/or material.
-Desert Tech warrants to the initial retail purchaser that your Desert Tech Sound Suppressor will be free from defects in workmanship and/or material for a LIMITED LIFETIME.
-This warranty is null and void if the firearm has been misused, damaged (by accident or otherwise), fired with hand loaded, reloaded or improper ammunition, fired with an obstruction in the barrel, damaged through failure to provide reasonable and necessary maintenance as described in the manual accompanying the firearm, or if unauthorized repair or any alteration, including of a cosmetic nature, has been performed on the firearm. This limited warranty does not apply to normal wear and tear of any parts.
-Desert Tech is not responsible for any required BATFE taxes or fees.
-Warranty does not cover third-party products. Third-party product warranties must be pursued directly through the product manufacturer.
-Product registration must be completed online by the original owner within 30 days of the purchase date in order to make a claim under this warranty. In the event of an incomplete registration, the owner must provide proof of purchase in the form of a Dealer Invoice.
-Any NFA item (I.E. Suppressor, Short-Barreled Rifle or Machine Gun) to be returned must be accompanied by a copy of its corresponding Form 3, 4, 5, or 9. The Form must be packaged inside the box with the NFA item. If the proper form is not included, the product will be returned to sender.
-If a valid claim is made within the warranty period and is shipped to the Desert Tech service center, the product will be repaired or replaced (at our discretion) free of charge.
-Products sent back for testing that require range time but are found to be working as intended will have a $50.00 + ammo fee applied. These charges must be taken care of prior to return shipping to the customer.
-To make a claim, you must first obtain a Return Merchandise Authorization number by either completing the online warranty form located at WWW.DESERTTECH.COM, calling (801) 975-7272 ext. 132, or by emailing WARRANTYSERVICE@DESERTTECH.COM. Claims must be made directly through Desert Tech, not your local dealer.
-The cost of shipping to Desert Tech is the responsibility of the customer. Desert Tech will cover the cost of ground shipping back to the customer if it is a valid warranty claim. Customer is responsible for any expedited shipping charges.
-In no event shall Desert Tech be liable for any incidental or consequential damages arising from or in connection with this warranty.
-WARRANTY IS VALID IN THE UNITED STATES AND CANADA ONLY
-This warranty gives you specific legal rights, and you may have other rights which vary from state to state. For international customers, contact your local service center.
-Shipping information:
Attn: Warranty Dept. RMA#____
1995 W Alexander St
West Valley City, UT 84119

LIMITATION OF LIABILITY

The liability of Desert Tech LLC. for any and all losses and/or to the purchase shall in no event exceed the purchase of the Rifle. In no event shall Desert Tech LLC. be liable for incidental or consequential damage. User assumes all risks and liabilities arising from the use of this product.

Stealth Recon Scout US Patent D584,373
PATENTS PENDING

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TOMORROWS WEAPONS

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