

CHASSIS SYSTEM
USER MANUAL

STRIKE SERIES

FIELD STRIKE SERIES





Important usage information for:

Rev. 2.8 - 20220112

CADEX FIELD SERIES CHASSIS

If you have any remark about your new Cadex chassis, please contact us:

Cadex Inc.
755 avenue Montrichard, Saint-Jean-sur-Richelieu
Quebec, Canada J2X 5K8
Phone: 450-348-6774
www.cadexdefence.com

Please use the following spaces to record information about your new firearm.

Model: _____

Serial number: _____

Bought from: _____

Purchase date: _____

Thank you for choosing a Cadex FIELD Series Chassis

Congratulations on your choice of a Cadex FIELD Series Chassis. The Cadex chassis are one of the most accurate, sophisticated and finest constructed bolt-action rifles chassis available today. The Cadex chassis represents a new generation of chassis, designed with improved features for superior performance. With proper care, your Cadex Chassis should give you many years of dependable, enjoyable service.

YOU ARE RESPONSIBLE FOR FIREARM SAFETY

Failure to heed any of the following warnings could result in serious injury or death. As a gun owner, you accept a set of demanding responsibilities. How seriously you take these responsibilities can be the difference between life and death. There is no excuse for careless or abusive handling of any firearm. At all times handle this firearm, and all other firearms, with intense respect for their power and potential danger. Please read and understand all of the cautions, warnings, notices, proper handling procedures and instructions outlined in this user manual before using your new chassis.

WARNING! Any modifications and/or disassembly of chassis other than those described in this manual could void the warranty.

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Contents

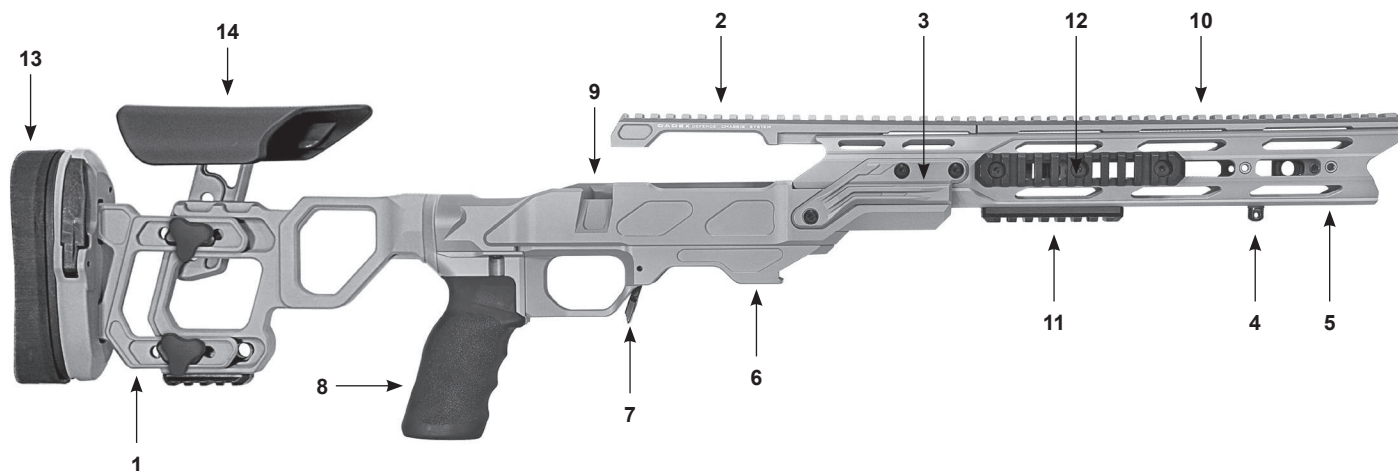
1.	CADEX CHASSIS FEATURES	6
1.1.	FIELD SERIES	6
1.2.	FIELD TACTICAL	6
1.3.	FIELD COMPETITION	6
2.	CADEX FIELD SERIES CHASSIS SPECIFICATION	7
2.1.	Chassis description	7
2.2.	Chassis installation	8
	Overview	8
A.	Removal of detachable base	8
B.	Installation of the action into the chassis	9
C.	Installation of detachable base and magazine sleeve	11
D.	Installation of fore-end tube	12
E.	Installation of top rail	13
2.3.	Operation of stock controls (Field Tactical and Field Competition)	14
A.	Adjusting the length of pull	14
B.	Adjusting the height of cheek piece	14
C.	Adjusting the height of recoil pad	15
2.4.	Chassis disassembly	15
A.	Top rail and fore end tube disassembly	15
B.	Removal of action from the chassis	17
C.	Butt stock disassembly (Field Tactical and Field Competition)	18
3.	CLEANING AND MAINTENANCE	19
3.1.	Chassis maintenance	19
3.2.	Threadlocker application procedure	19
4.	TECHNICAL AND WARRANTY SUPPORT	19
5.	APPENDIX A - SPARE PARTS	22
5.1.	Chassis spare parts	22
5.2.	Butt stock spare parts	24
6.	APPENDIX B - RECOMMENDED TORQUE SETTING	26

1. CADEX CHASSIS FEATURES

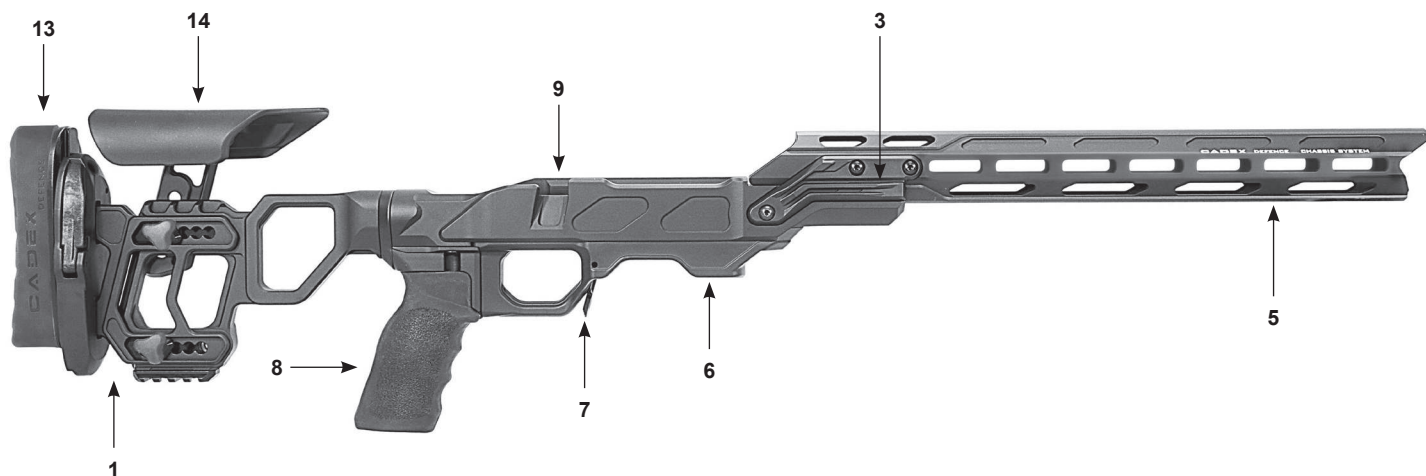
1.1. FIELD SERIES



1.2. FIELD TACTICAL



1.3. FIELD COMPETITION



KEY	PART	FUNCTION
1	Butt stock	Provides a shoulder rest adjustable for LOP align operator's aiming eye with various optical sighting systems.
2	Receiver top rail	Bolts to rifle receiver to provide stable MIL-STD-1913 mounting rail for attaching various optical sights.
3	Side plates	Provides attachment between the hand guard tube and the lower receiver.
4	Bipod stud / Sling swivel	Provides a means to attach various types of bipods or rifle slings.
5	Hand guard tube	Shields the barrel, serves as a rifle fore-end, provides attachment for bipod, sling and various other rail mounted lights, pointers or other accessories. (M-LOK compatible for Field Competition)
6	Detachable base	Allows to secure magazine in place. When removed, provides access to trigger group.
7	Magazine catch	Retains and releases the magazine.
8	Pistol grip	Provides a control grip for the firing hand.
9	Lower receiver	Provides attachment point for the receiver to the chassis.
10	Hand guard top rail	Bolts to hand guard tube to provide stable MIL-STD-1913 mounting rail for attaching various optical sights or night vision sights or devices.
11	Bipod rail	Provides a means to attach various types of bipods.
12	Side rail	Provides a means to attach various types of accessories.
13	Recoil Pad	Provides a means to reduce the recoil energy transferred to shoulder.
14	Cheek piece	Provides a cheek rest that adjusts for elevation required to align operator's aiming eye with various optical sighting systems.

2. CADEX FIELD SERIES CHASSIS SPECIFICATION

2.1. Chassis description

The Cadex Chassis is an integrated system to enhance the handling and portability of sniper rifles. The chassis is designed to make the sniper rifle a modular system that allows the sniper to tailor the rifle to specific mission needs. It incorporates a top rail, a long fore end tube with modular rails, adjustable butt stock, and sling mounting points.

The standard angle of the top rail is 20 MOA of inclination for the short and long action. The top rail is secured to the rifle's receiver.

The fore end tube provides a mounting surface for accessory rails. A rail and/or bipod stud is located at the forward-most bottom of the tube. This positions the bipod far forward of the rifles center of mass, which allows the sniper better control of the rifle under recoil, for better shot follow through.

The butt stock is user adjustable without tools for length of pull and cheek piece height except for the Field QD which needs a cheek riser for height adjustment.

The chassis features a detachable base whereby the magazine well and pistol grip assemblies are removed from the chassis center section to allow access to the trigger mechanism in order to perform trigger adjustments and maintenance.

The chassis uses standard magazines (single or double stack). Magazine catch is incorporated into the lower and is a lever type catch that engages the lug on the back (or front) of the magazine.

2.2. Chassis installation

WARNING! Before any assembly/disassembly of the firearm and chassis, remove the bolt from the action, remove the magazine and check the chamber of the rifle to make sure there are no cartridges in the rifle. NEVER attempt to make any disassembly on a loaded rifle.

Overview

The Field Series major components are preassembled. The installation process consists of the following:

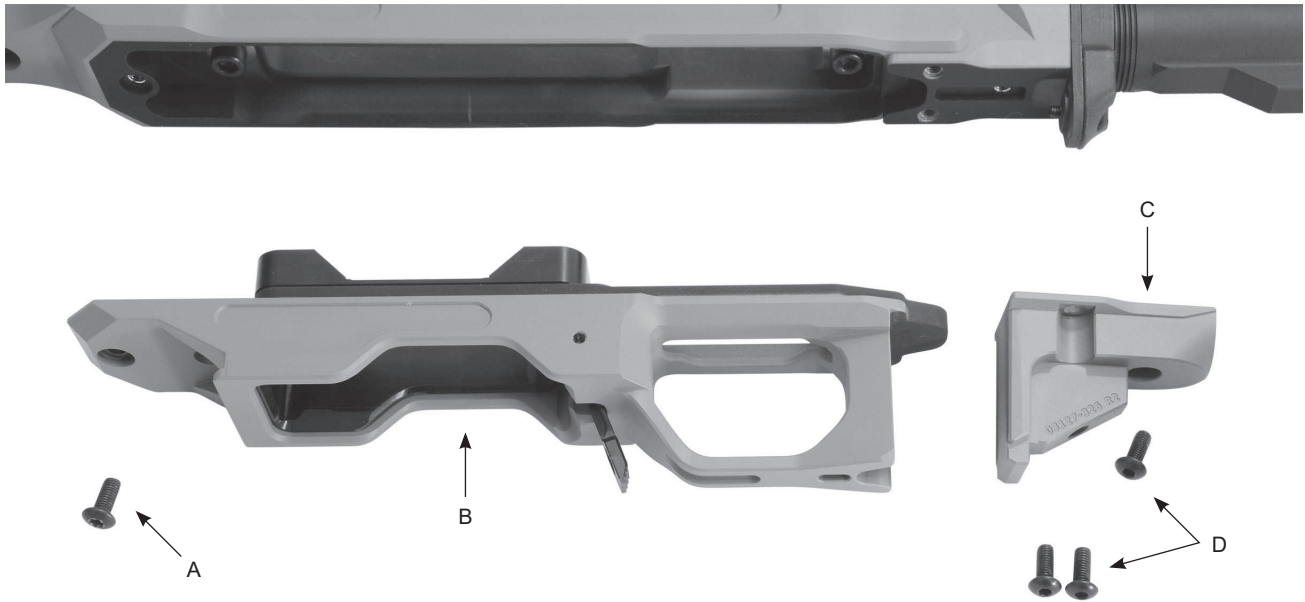
- A. Removing detachable base from the bottom of the chassis to install rifle action and magazine sleeve.
- B. Installing rifle barreled action to the chassis frame.
- C. Reinstalling detachable base and pistol grip to the chassis.
- D. Joining the front tube to the chassis by bolts and left and right side plates.
- E. Install the receiver rail, which mates with the top of the fore end tube to form a continuous mounting platform.

A. Removal of detachable base

The detachable base is a feature that allows access to the trigger group without having to remove the barreled action from the chassis.

1. Remove the three (3) cap screws (item D) from the pistol grip mounting plate (item C), and remove the assembly from the chassis.
2. Remove the cap screw (item A) located in front of the magazine well.

3. Pull the detachable base (item B) away from the bottom of the chassis.

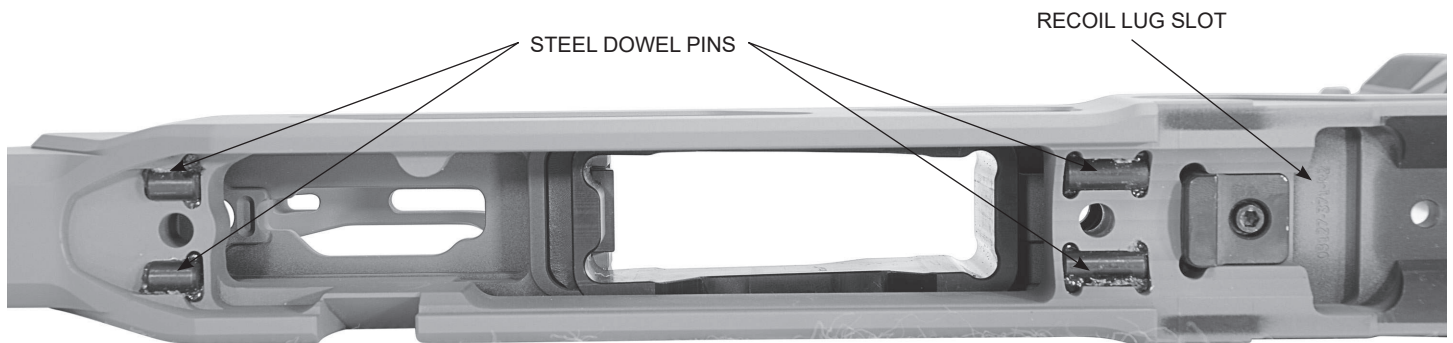


4. If equipped with a magazine sleeve, it can be removed by pulling it out of the detachable base. At this step, verify that the magazine sleeve fit well with the magazine.

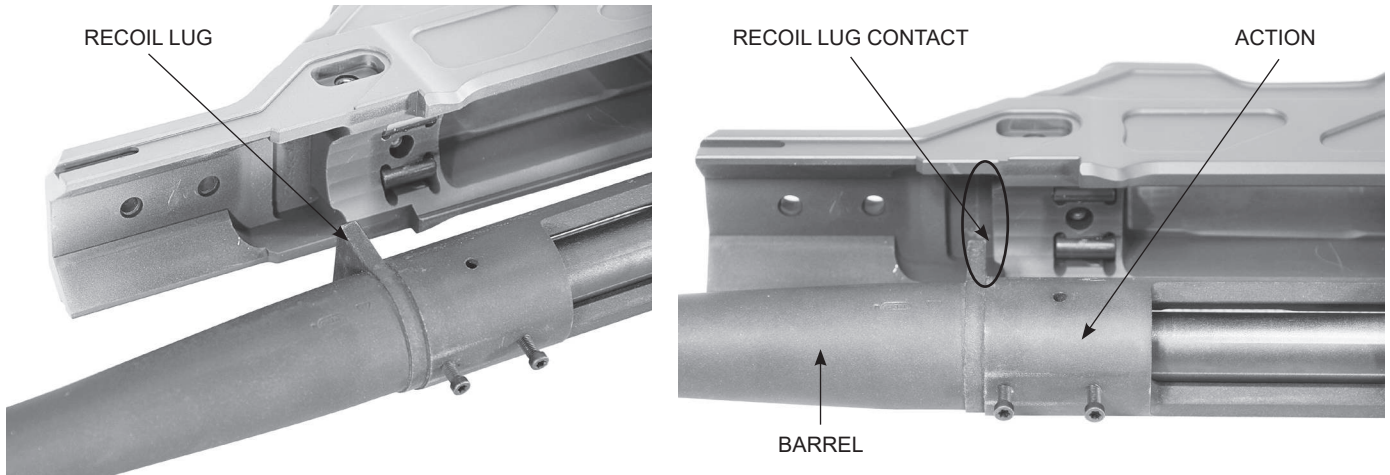
B. Installation of the action into the chassis

The barreled action is held to the chassis frame by conventional method using a front and rear action screw. The action rests on four dowel pins that serve as front and rear V-blocks to support and center the action. Recoil is transferred via the rifle recoil lug to the rear surface of the lug mortise depicted below.

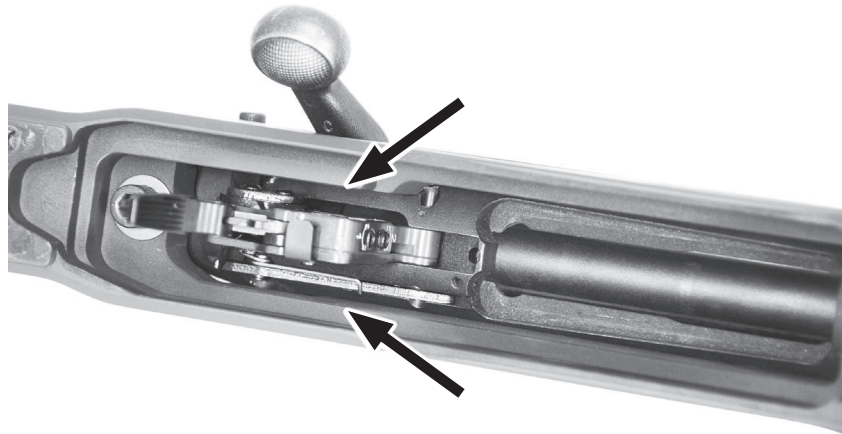
NOTE: Verify all four dowel pins are present, free of dirt, dent, or marks before installing the action into the chassis. Please refer to section 3.2. for the threadlocker application procedure prior to proceed to the chassis assembly.



1. Make sure the fore-end tube is not installed on the chassis.
2. Make sure that the detachable base is removed prior to install the action into the chassis.
3. Insert the barreled action into the chassis frame.
4. Verify that the receiver fully inserts into the chassis and the rear face of the recoil lug is bearing against the rear face of the recoil lug slot in the chassis.
5. Verify clearance on either side of the recoil lug and the front face. The single contact point for the recoil lug is the rear face against the back face of the recoil lug recess as depicted below.



6. Hold the barreled action in place and turn over to check the fit of the trigger mechanism; identify any clearance issues between the trigger, safety catch and the corresponding recess in the chassis, as shown below.



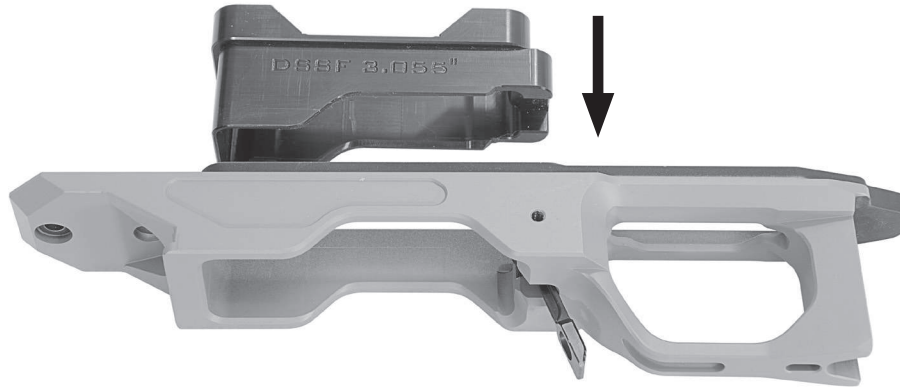
7. After confirming there are no clearance issues with the trigger or safety mechanisms, insert and start the front and rear action/receiver screws. Pay attention to install the Belleville washer in the correct orientation as shown below. Do not fully tighten at this time.



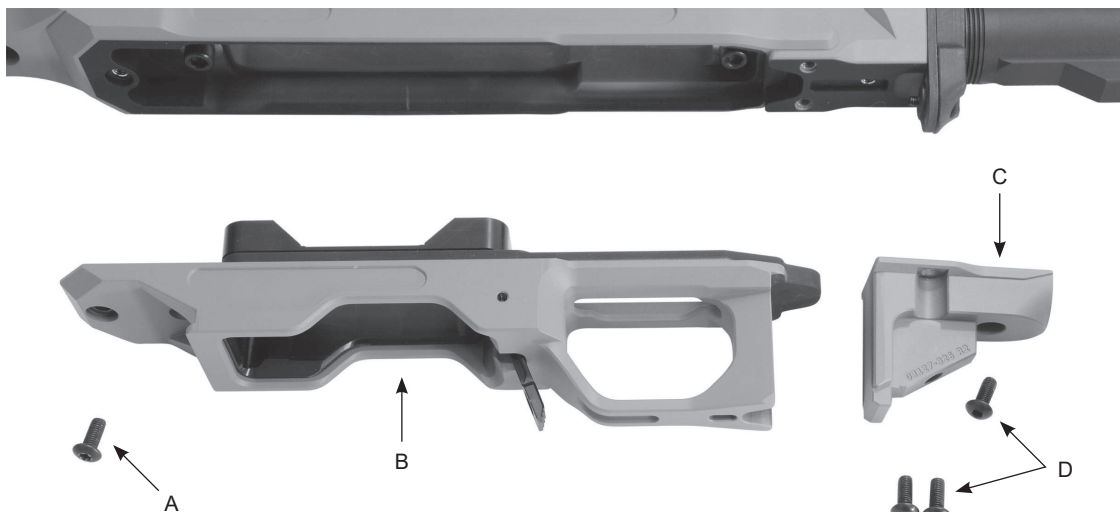
- Once both screws are in place, press the muzzle against a fixed object to ensure the recoil lug is firmly resting against the chassis lug recess contact point. While holding slight tension, tighten the two action screws. Alternate tightening between both front and rear screws to keep even tension. Continue this process until full torque is reached (refer to Appendix B for torque specification).

C. Installation of detachable base and magazine sleeve

- If equipped, fit the magazine sleeve into the detachable base.



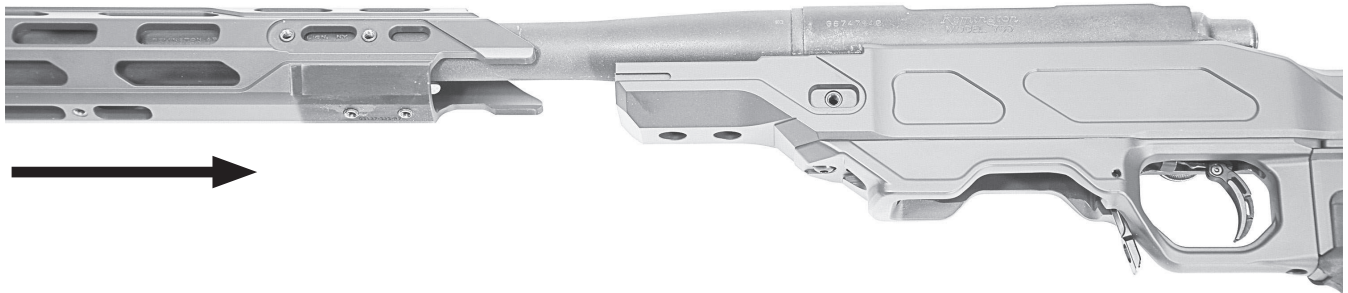
- Fit the detachable base (item B) onto the bottom flat of the chassis; the front of the base is located by a protrusion that engaged into a pocket.



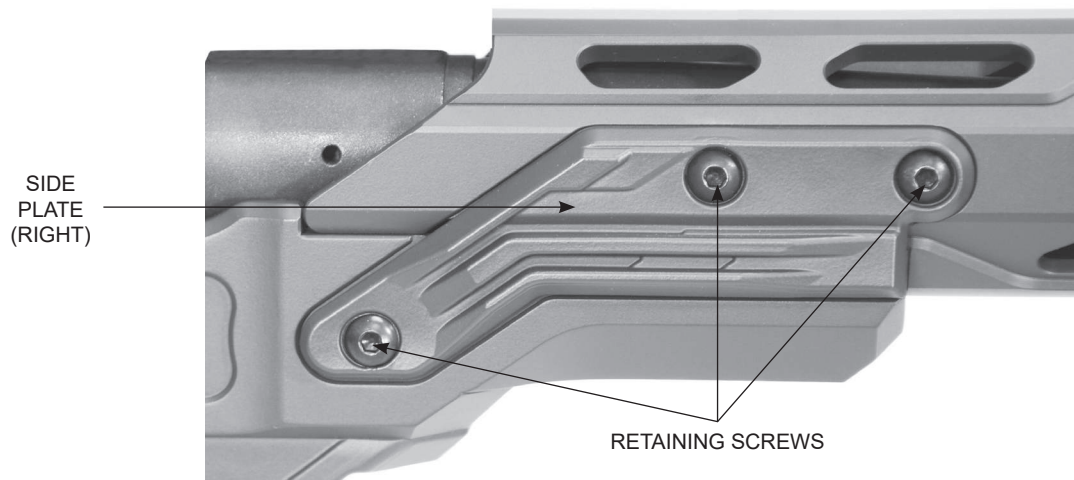
- Install the pistol grip mounting plate (item C) then install and tighten all four button head cap screws (items A and D). Torque screws to 25-30 inch pounds.
- Install pistol grip using provided screw (not depicted). Torque this screw to 35 inch pounds.
- Check clearance of magazine well with an empty magazine.
- With magazine inserted pull down on the magazine to confirm that the magazine catch functions and retains the magazine in position.
- Insert a dummy/inert cartridge into the magazine. Operate the bolt to confirm proper feeding.

D. Installation of fore-end tube

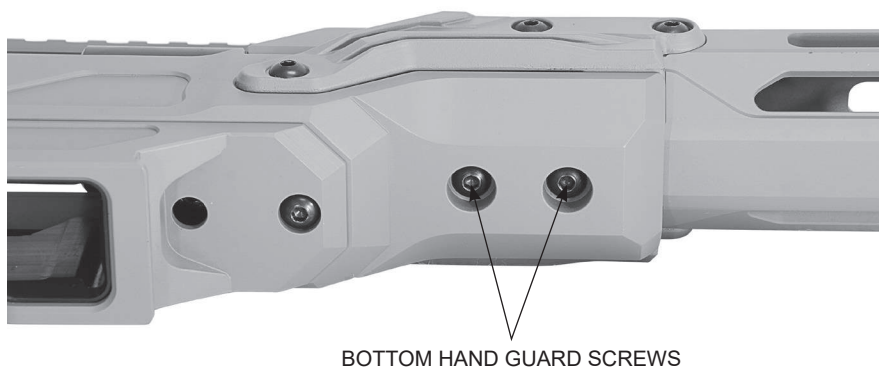
1. Slide the hand guard tube over the barrel and into the chassis.



2. Install the two (one left and one right) side plates and start but do not fully tighten retaining screws.



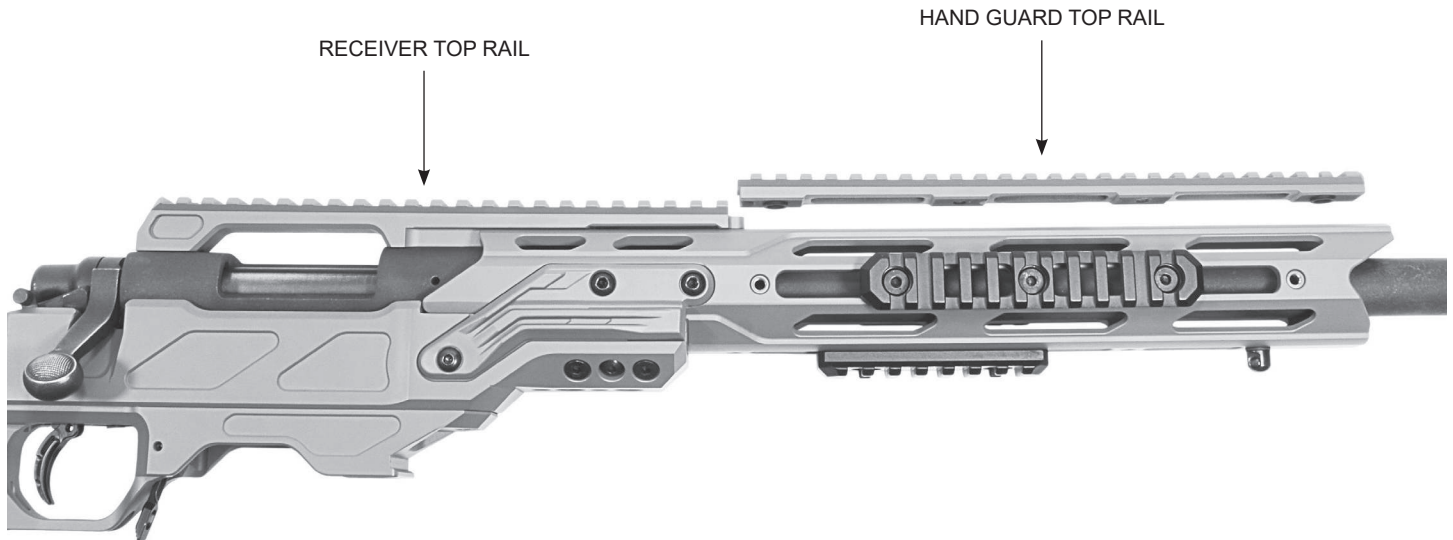
3. Install the two (2) bottom hand guard tube screws but do not fully tighten.



E. Installation of top rail (if equipped)

With the hand guard tube loosely installed (screws should not be tightened) the receiver top rail can now be fitted to the action.

1. Remove the top rail from the hand guard. Install the receiver top rail and ensure proper orientation. If a localization device is present on the top of the action (dowel pin, lug, etc), make sure the rail is correctly engage prior to continue assembly.
2. Apply pressure on the rail to ensure it is firmly down against the receiver.



3. Insert and install (start) all top rail mounting screws.
4. Install the hand guard top rail and insert all the screws.
5. Incrementally tighten each screw to the required torque specification (varies due to screw diameter, see Appendix B).
6. After installation of the top receiver rail is complete, return to the hand guard tube base and fully tighten all fasteners in the following order:
 - A. Fully tighten the bottom two hand guard tube screws and the two BHSCS spare screws to 25-30 inch pounds each.
 - B. Fully tighten all six of the side plate screws to 20-25 inch pounds.

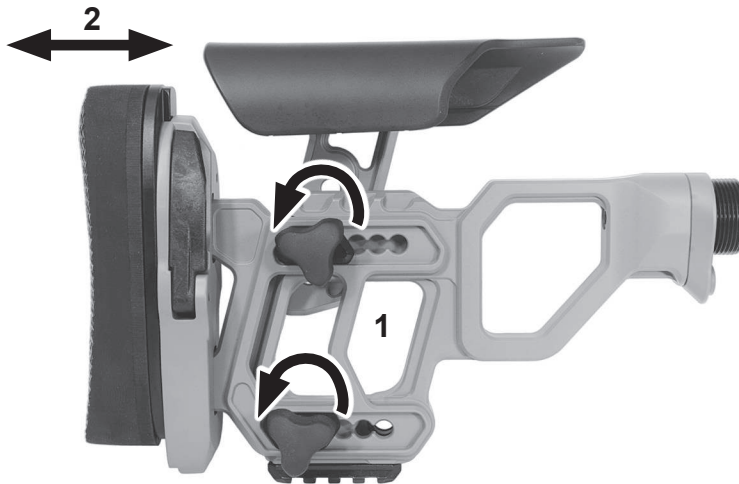
2.3. Operation of stock controls (Field Tactical and Field Competition)

A. Adjusting the length of pull

The length of pull (LOP) can be adjusted by removing the upper and lower knobs and the two locking sleeves (1). **Use caution when removing the top knob, this knob is also used to hold the cheek piece in place.**

Once removed, the butt pad may be moved forward or backward (2).

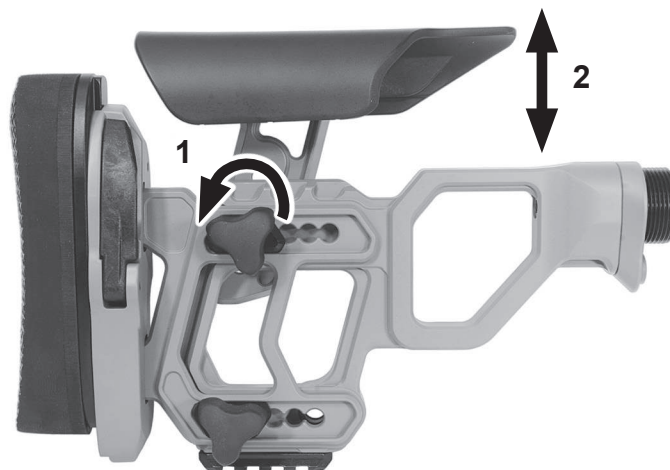
Once adjusted to the correct position, replace the locking pieces in their respective holes and replace the knobs.



B. Adjusting the height of cheek piece

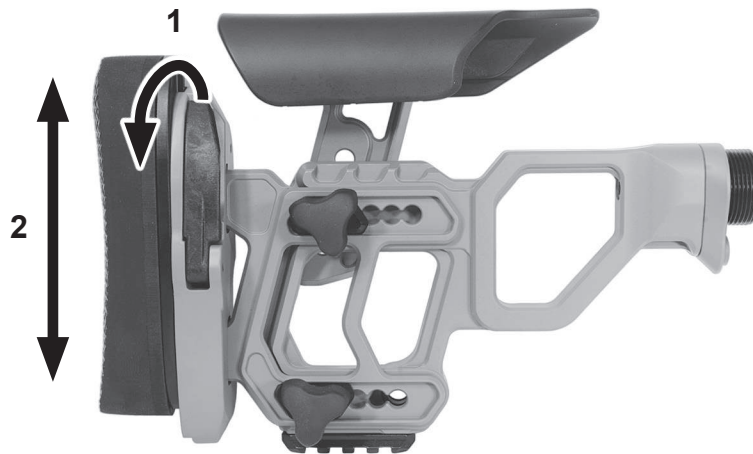
The cheek piece height adjustment is similar to the LOP adjustment but only the top knob and cheek piece locking nut need to be removed (1).

Once adjusted to the correct position (2), replace the locking nut and knob.



C. Adjusting the height of recoil pad

The pad is adjusted vertically by pivoting the top of the lever outwards (1) and moving the recoil pad to the desired height (2). Rotate the top of lever inwards to lock the recoil pad.

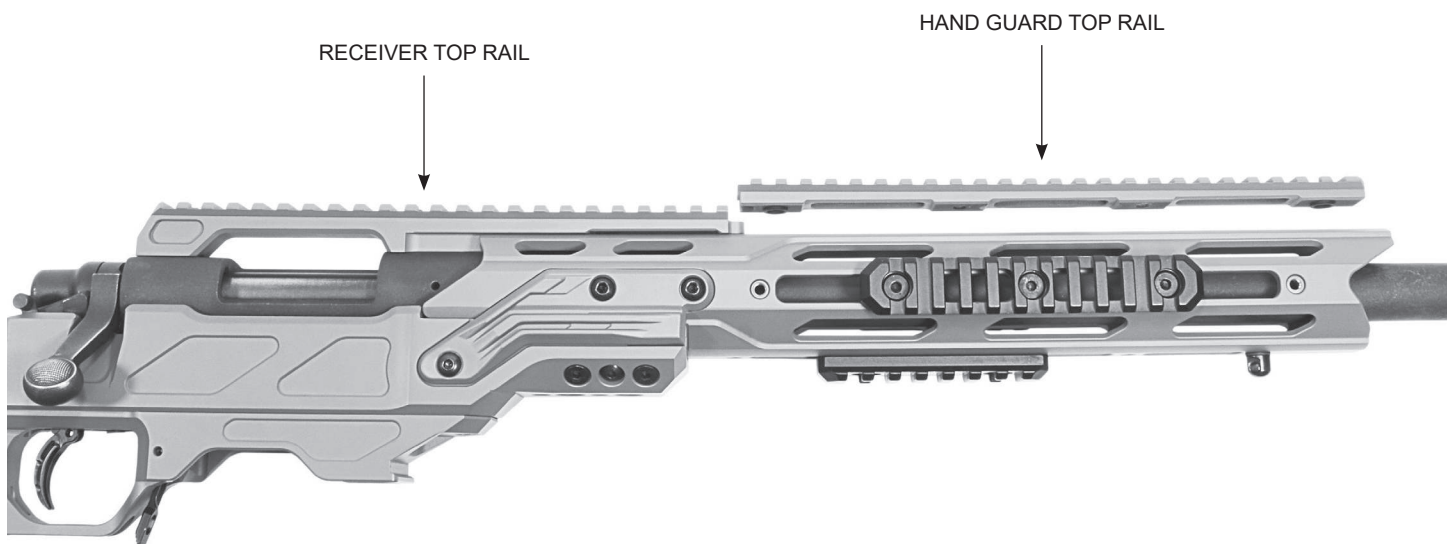


2.4. Chassis disassembly

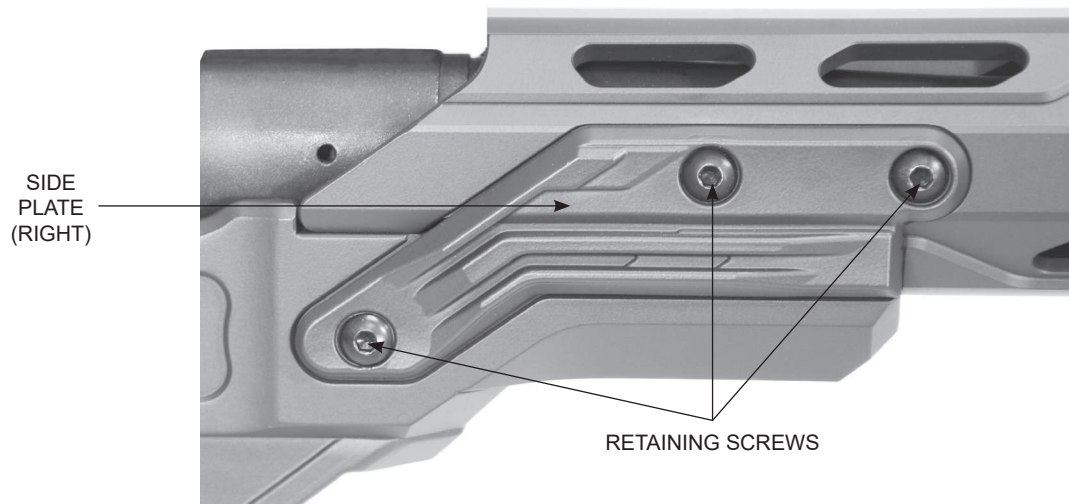
When chassis disassembly is required, perform the procedure that follows.

A. Top rail and fore end tube disassembly

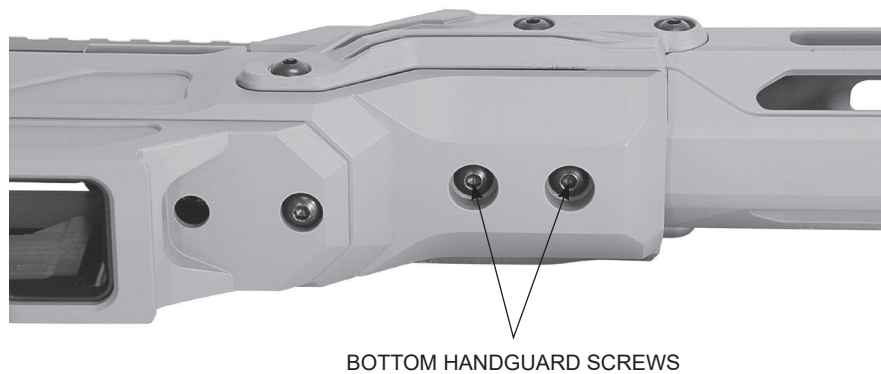
1. If removing optics from the top rail, note position of the rings on the picatinny rail and the zero settings of optics for future reference. If equipped with a muzzle brake, removed it prior to proceed with the fore-end tube disassembly.
2. Disassemble the entire top rail by removing cap screws.



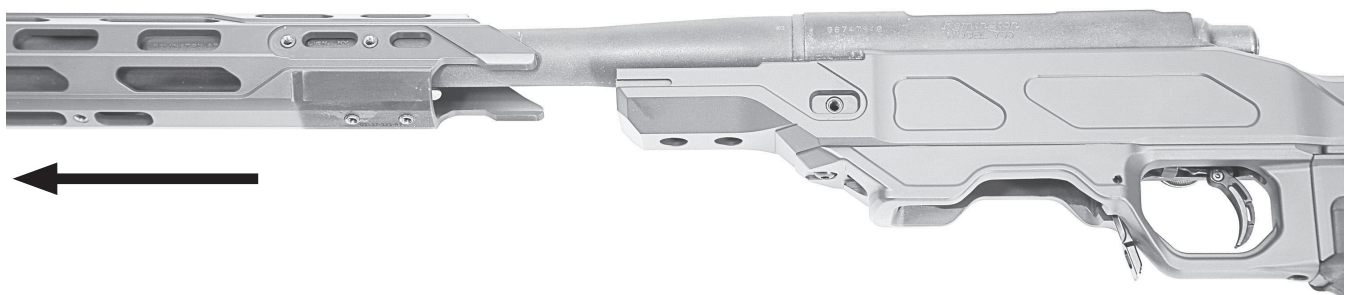
3. Remove the three (3) cap screws from each side plate (left and right), and remove the side plates from their recess. (If optional short side rails are installed, remove rails prior to removing side plates)



5. Remove two (2) cap screws securing fore end tube from the bottom of the chassis.



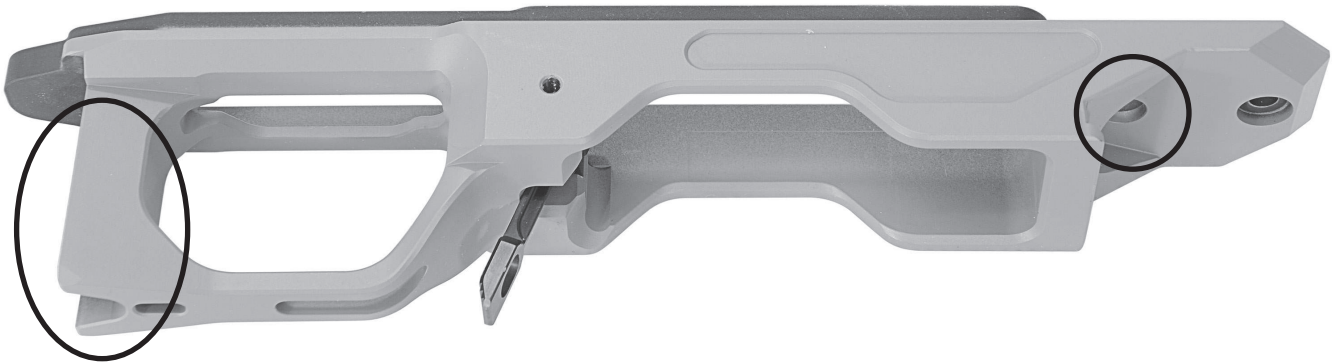
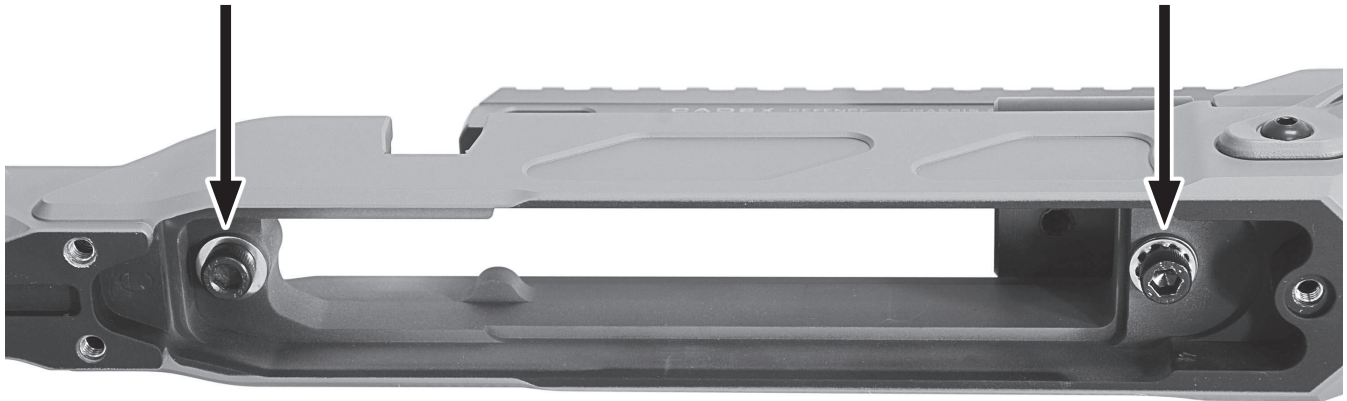
6. Separate the fore end tube from the chassis center section.



B. Removal of action from the chassis

The action can be removed from the chassis for cleaning and maintenance purposes.

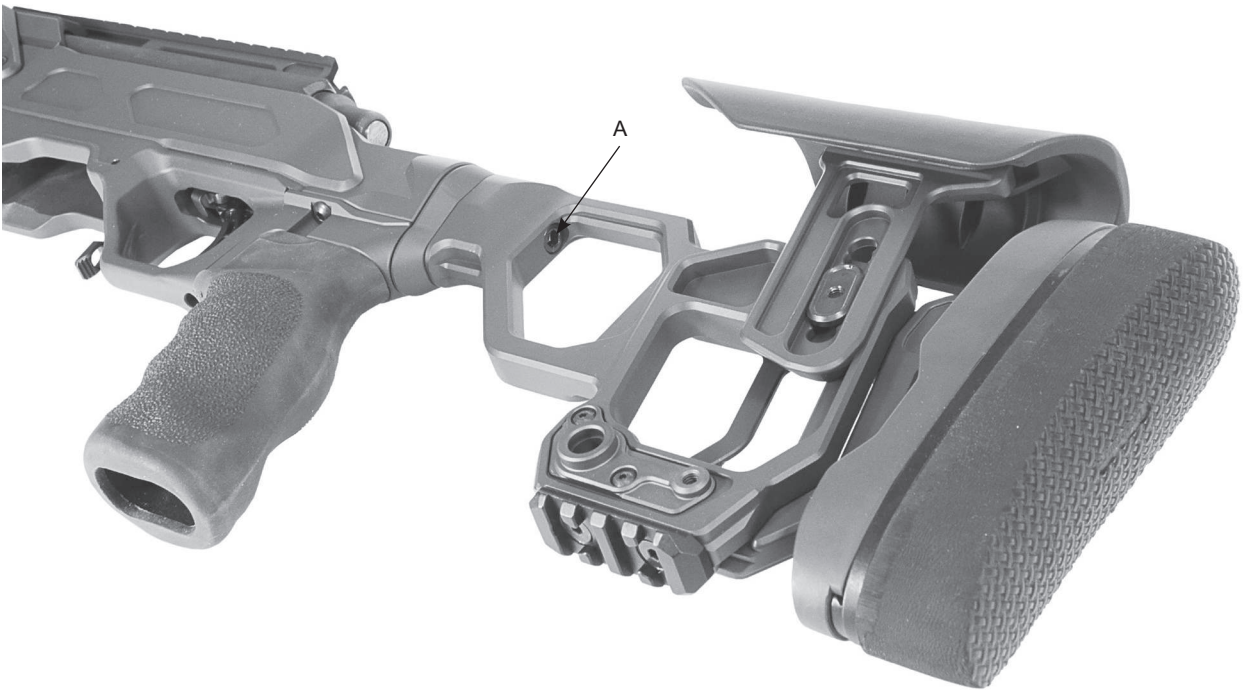
1. Remove the top rail and the fore-end tube. (See previous step for details)
2. Using an Allen key, unscrews the two (2) action screws located on the bottom surface of the chassis. Note that it is not necessary to remove the detachable base to remove the action from the chassis. Two (2) clearance holes are present on the detachable base to access the screws with the Allen key. Both screws will remain trap inside the chassis if the detachable base is not removed.



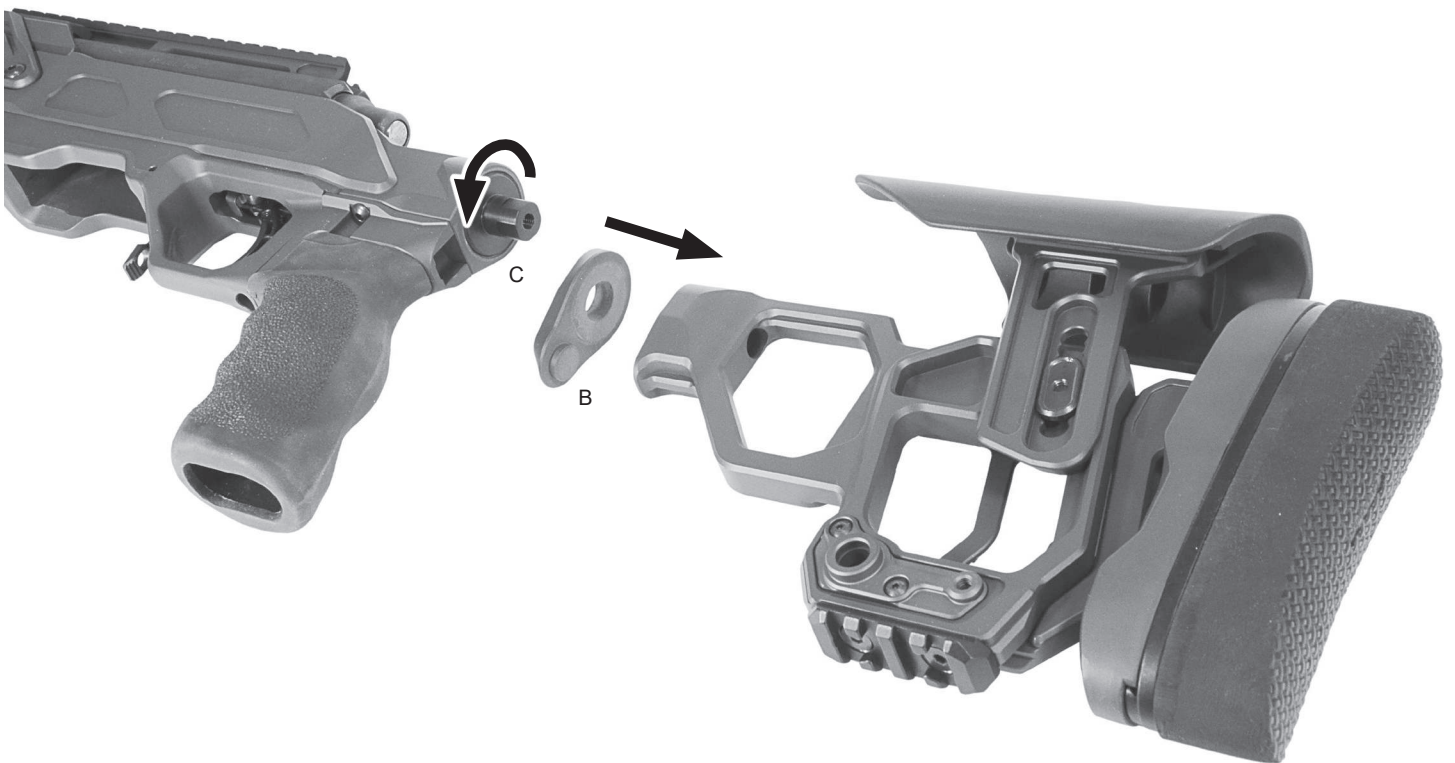
3. Slowly pull out the action from the chassis.

C. Butt stock disassembly (Field Tactical and Field Competition)

1. With an Allen key, remove the screw (item A) and then remove the butt stock by pulling it backward.



2. Slide the retaining plate (item B) backward and then remove the threaded adapter (item C).



3. CLEANING AND MAINTENANCE

WARNING! Verify the chamber and magazine to make sure there are no cartridges in the firearm prior to any cleaning and maintenance on the firearm.

3.1. Chassis maintenance

1. When tightening fasteners do not over tighten. Where a torque is specified, employ an accurate in-lbs torque wrench. Use correct fitting tools to loosen or tighten fasteners.
2. When operating the controls of the stock, do not use excessive force.
3. To clean the chassis, use a soft brush to remove accumulated sand, mud and debris. Wipe down surfaces using soft rags. Do not use harsh chemicals or any abrasive materials to clean the chassis.
4. Small amounts of a light lubricant can be applied to the stock hinge and locking mechanism.

3.2. Threadlocker application procedure

Your firearm came with a threadlocker liquid that need to be applied on screws prior assembly and torque. The threadlocker will prevent screws loosening from vibration and shock and provide screws lubricity during torque procedure.

- A. Before applying threadlocker, verify that both thread on screws and hole are free from rust, dirt or debris, oil, and grease.
- B. For through holes, apply threadlocker directly on screws (fig 1)
- C. For blind holes, apply threadlocker on thread hole (fig 2)

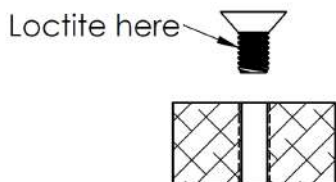


Fig.1 Through Hole

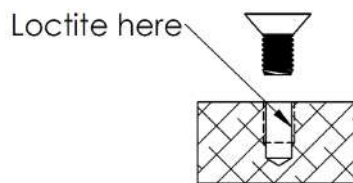


Fig.2 Blind Hole

- D. Once threadlocker is applied, finger tight all screws and then torque them to the appropriate torque.
- E. We recommend to let the threadlocker cure for a 24h period before using your firearm.

4. TECHNICAL AND WARRANTY SUPPORT

For technical and warranty support, the point of contact is Cadex Defence:

Cadex Defence

755 avenue Montrichard, Saint-Jean-sur-Richelieu, Quebec, Canada J2X 5K8
Tel: 450-348-6774 • Website: www.cadexdefence.com



Limited Lifetime Warranty

At Cadex Defence we take a great sense of pride in the products that we design and produce as well as our customer service. If you are experiencing any problems, we appreciate your honesty with the situation and we will do what is right to help you as we really care for our customers.

We warrant products manufactured by Cadex Inc. to be free of defects in material or workmanship/manufacturing for **one year** following the initial owner's purchase. Cadex Defence reserves the right to cover under warranty, at its own discretion, its products for the **lifetime** of the product if we feel that it didn't meet our high standards of performance. Cadex reserves the right to use its discretion to warranty its products in special scenarios that have or may present themselves that are not noted in this document.

Cosmetic wear and normal wear items including but not limited to the barrel, extractors, ejectors, and springs are not covered by the warranty and it is the responsibility of the owner to assure the weapon is properly maintained.

Your Cadex Defence product was manufactured to perform properly with the original parts as designed. Altering or modifying parts is dangerous and will void the warranty. It is your responsibility to make sure any parts you install are made for this firearm, installed correctly, and that neither the originals nor the replacement parts are altered or changed. Firearms are complex precision tools with many parts that must operate correctly with other parts in order to maintain proper and safe operation. Putting your firearm together improperly or with incorrect or modified parts can result in a damaged firearm, serious personal injury, or death to you and/or others through malfunction. Always have a qualified armorer or gunsmith work on your Cadex Defence system or other firearms.

Please have the following information ready. You can contact us via email or toll free at the contact information listed below.

- Product Model
- Serial Number
- Date of Purchase
- Point of Purchase

CADEX INC.

755 Avenue Montrichard, St-Jean-sur-Richelieu, Quebec, Canada, J2X 5K8

customerservice@cadexinc.com

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Toll free: 1-888-348-6774

A message from the owner

For Cadex, customer satisfaction is very important.

If you experience a problem with one of our dealers or distributors don't wait for the situation to get worse before bringing it to our attention. We firmly believe that with good communication and a little goodwill from both sides we will be able to find a solution to your problem.

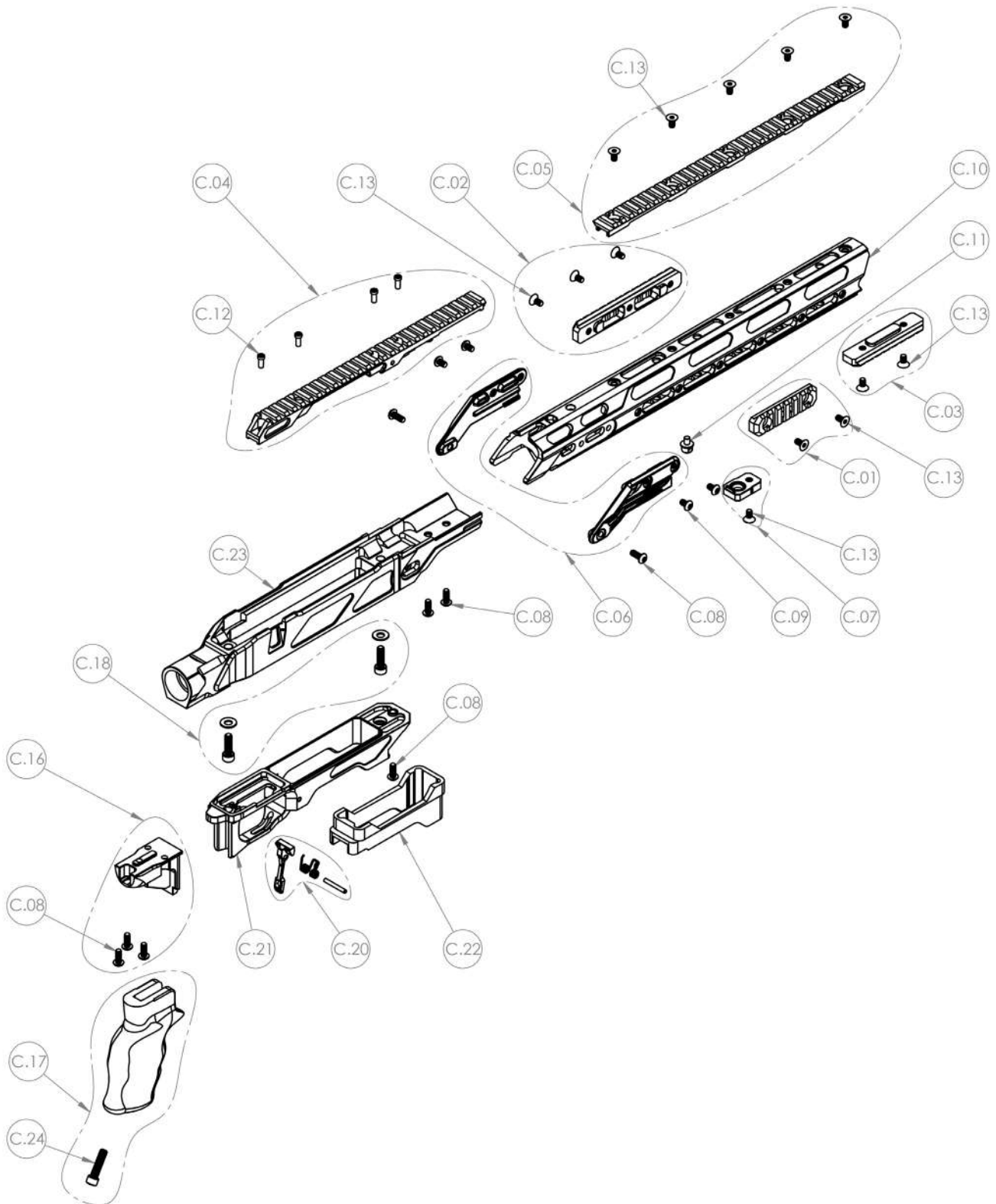
Please contact us as soon as possible if you ever encounter any issues with one of our products.

- Serge Dextraze, Cadex CEO

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5. APPENDIX A - SPARE PARTS

5.1. Chassis spare parts



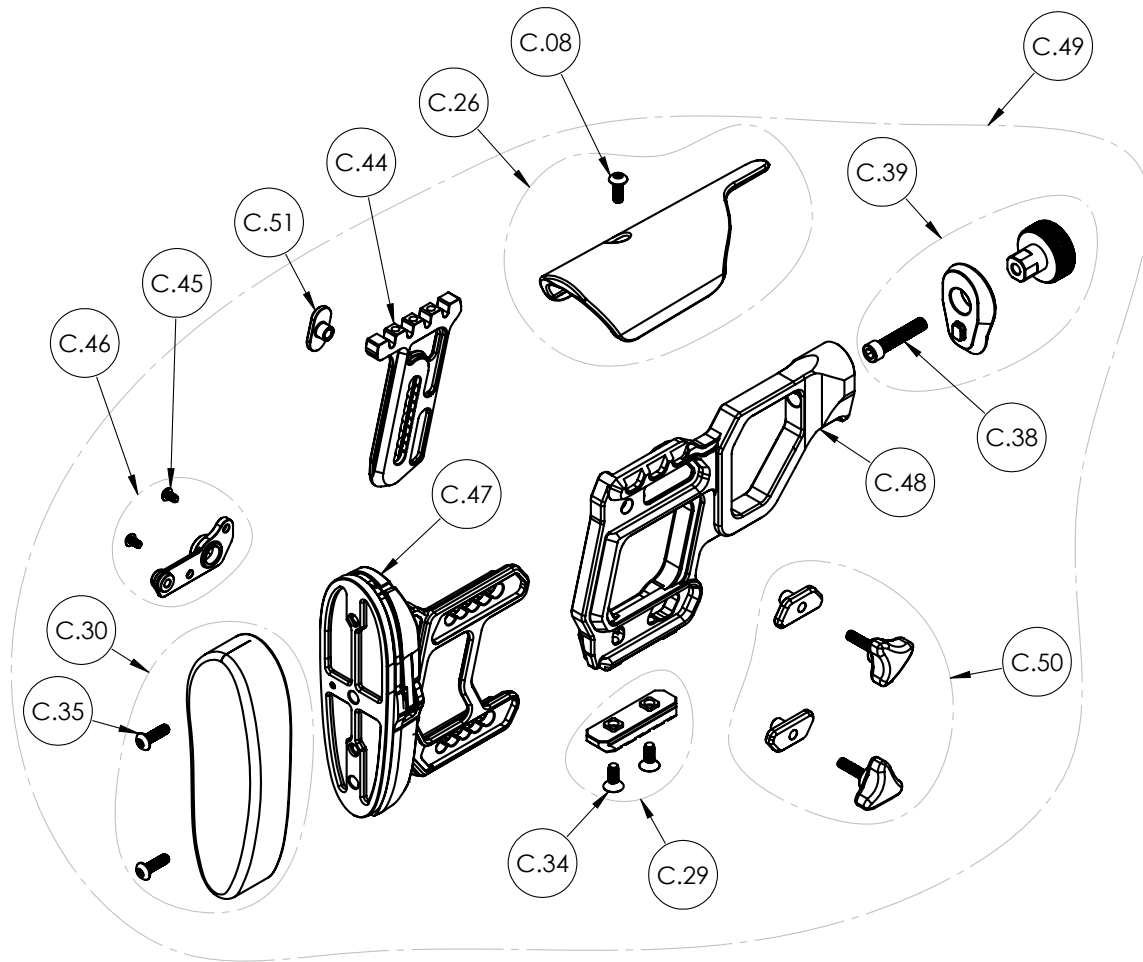
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ITEM	DESCRIPTION	QTY*
C.01	3" SHORT MODULAR RAIL KIT	1
C.02	5" SHORT MODULAR RAIL KIT	1
C.03	ALUMINUM BIPOD RAIL KIT	1
C.04	RECEIVER TOP RAIL KIT	1
C.05	FORE-END TOP RAIL KIT	1
C.06	SIDE PLATE KIT	1
C.07	SLING MOUNT KIT	1
C.08	BHSCS 10-32 X 1/2", SS	8
C.09	BHSCS 10-32 X 1/4", SS	4
C.10	FORE-END TUBE ASSEMBLY	1
C.11	BIPOD STUD (WASHER INCLUDED)	1
C.12	TOP RAIL SCREWS	4
C.13	FHSCS 10-32 X 3/8"	13
C.16	GRIP HOLDER KIT	1
C.17	TACTICAL PISTOL GRIP KIT	1
C.18	ACTION SCREW KIT (2 SCREWS AND 2 WASHER)	1
C.20	MAGAZINE CATCH KIT	1
C.21	DETACHABLE BASE (WITH MAGAZINE CATCH)	1
C.22	MAGAZINE SLEEVE**	1
C.23	LOWER RECEIVER	1
C.24	SHCS 1/4-28 X 1" (WASHER INCLUDED)	1

*Quantity may vary depending of chassis model

**Parts are not available in all chassis model

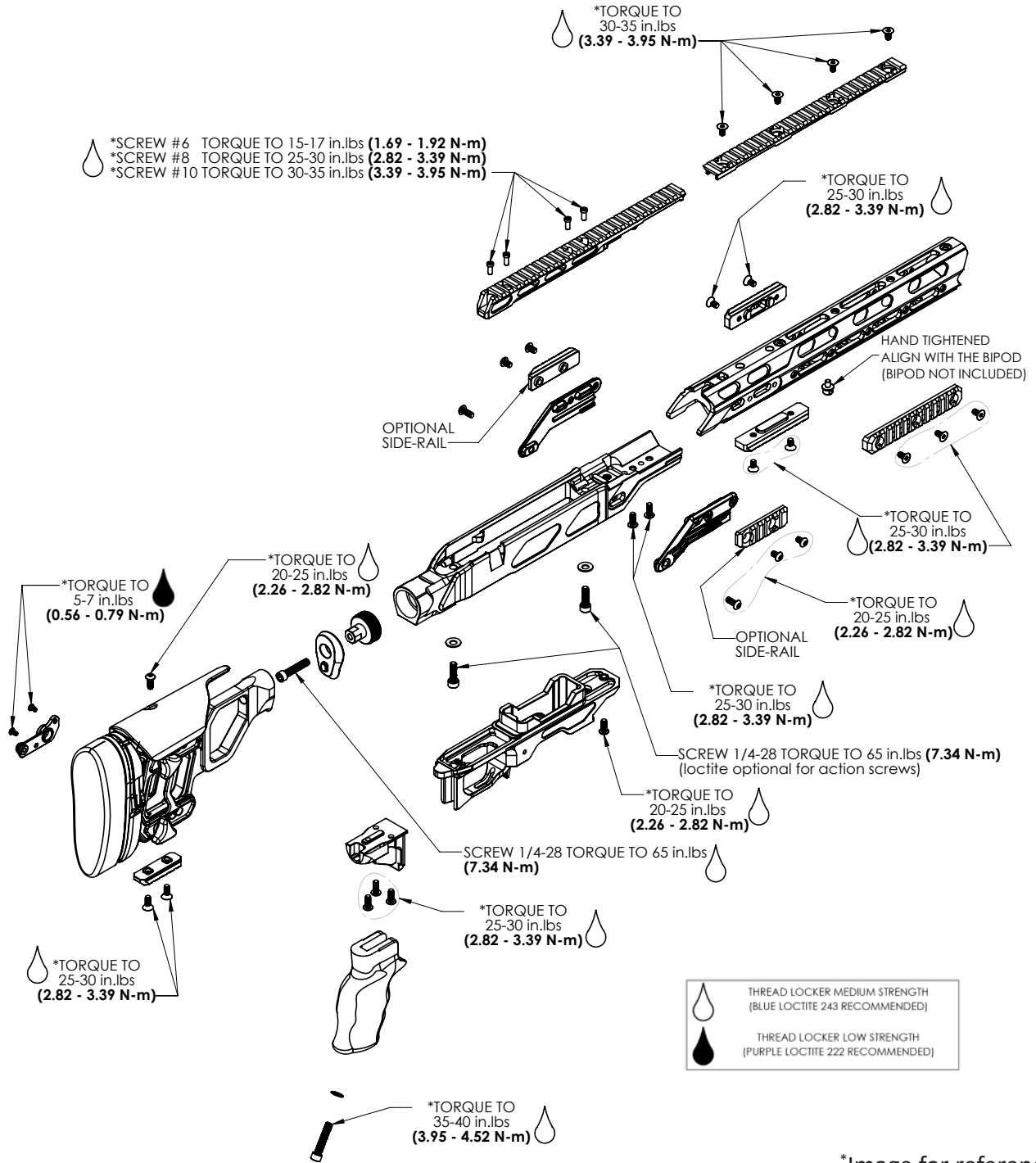
5.2. Butt stock spare parts



ITEM	DESCRIPTION	QTY*
C.08	BHSCS 10-32 X 1/2", SS	1
C.26	CHEEK PIECE KIT	1
C.29	BUTTSTOCK RAIL	1
C.30	BUTT PAD KIT	1
C.34	FHSCS 10-32 X 1/2", SS	2
C.35	BHSCS 10-32 X 5/8", SS	2
C.38	SHCS 1/4-28 X 1-1/4"	1
C.39	BUTT STOCK INTERFACE KIT	1
C.44	CHEEK PIECE RAIL	1
C.45	BHSCS 6-32 X 1/4"	2
C.46	FLUSH CUP SLING ADAPTER KIT	1
C.47	LOP ADJUSTMENT BRACKET	1
C.48	SKELETTON BUTT MAIN FRAME	1
C.49	SKELETTON BUTT COMPLETE ASSEMBLY	1
C.50	ADJUSTMENT KNOB KIT	1
C.51	LOCKING NUT	1
C.52	RETAINING PLATE	1

*Quantity may vary depending of chassis model

6. APPENDIX B - RECOMMENDED TORQUE SETTING



*Image for reference only

WARNING!

Regardless of shipping method, Cadex highly recommends checking each preset screws torque preventively.

If your order shipped by plane, and as such, withstood high amounts of vibrations, you MUST verify each preset screws for the right torque before using the weapon by referring to the figure above.

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