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ANCE SERIES MK2



QUANTUM MK2

BLACKOUT DEFENSE
CHANDLER, ARIZONA

QUANTUM[™] MK:2

OWNER'S MANUAL



BLACKOUT
DEFENSE



QUANTUM[™] MK:2



CONGRATULATIONS AND THANK YOU FOR YOUR PURCHASE!

You can expect flawless operation from your Quantum Mark 2. It is a result of countless hours of research, development, manufacturing, and testing, all aimed to bring you a reliable, smooth-shooting rifle. Please don't hesitate to reach out to us with any questions you may have.



BLACKOUT
DEFENSE

TABLE OF CONTENTS

Safety	4
Clearing Procedures	5
Break-in- procedures	6
Disassembly	6
Bolt Carrier Group	7
Upper/Lower receiver	8
Reassembly	8
Linear Compression Pad Installation	9
Perform a functions check	10
Lower Receiver Parts illustration	11
Upper Receiver Parts Illustration	12
Troubleshooting/repair	14
Warranty Policy	15

SAFETY IS YOUR RESPONSIBILITY!

1. **ALWAYS** treat every firearm as if it were loaded.
2. **ALWAYS** be sure the barrel is clear of any obstruction, including dirt, spent or live casings, or any foreign objects.
3. **ALWAYS** use clean, dry, original factory-made ammunition of the proper type and caliber for your firearm.
4. **ALWAYS** wear ear protection and safety glasses when shooting. Prolonged shooting without ear protection can result in hearing loss.
5. **ALWAYS** take notice of your target, backstop, what lies beyond, and the safety of bystanders before you shoot.
6. **ALWAYS** carry your firearm in such a way that permits you to control the direction of the muzzle if you fall or stumble.
7. **DO NOT** leave an unattended firearm loaded. Firearms and ammunition should be stored separately – locked if possible – beyond the reach of children, careless adults, and unauthorized users.
8. **DO NOT** point any firearm, loaded or unloaded, at any undesired target, including humans, animals, and personal property.
9. **NEVER** shoot at hard, flat surfaces or water...bullets can ricochet!
10. **AGAIN, TREAT EVERY FIREARM AS IF IT WERE LOADED.** Always clear your rifle.

To clear and ensure your rifle is unloaded:

1. Remember to **ALWAYS** keep your finger off of the trigger until you are ready to engage a target. Remove the empty magazine by depressing the magazine catch, which is located on the right side of the lower receiver and extract the empty magazine from the magazine well.



2. Press on the bottom part of the bolt catch while grasping and pulling the ambidextrous charging handle all the way to the rear, leaving the bolt and carrier latched open. Once the bolt catch is engaging the bolt face, return the charging handle forward until it locks. Rotate the selector switch to "Safe" if it is not already so.



3. Visually inspect the inside of the upper receiver, bolt face, and inside of the chamber to ensure there are no obstructions, debris, live ammunition, or spent casings inside of the rifle.



4. Release the bolt carrier group ("BCG") forward by depressing the top of the bolt catch, ensuring that the BCG is completely forward, and then close the dust cover.



BREAK-IN PROCEDURES

Cleaning and lubrication are imperative for the functionality and preservation of your rifle. Make sure you clean and lubricate your weapon before and after safe use, as well as before long term storage of your rifle.

1. Once again, always treat firearms as if they are loaded. Make sure the chamber is clear of obstructions and no live ammunition is present.
2. Thoroughly clean the chamber of your new weapon before its first use, and clean again after every shooting session.
3. Strip the BCG apart and add a light coat of lubricant to all of the external surfaces. Be careful to NOT apply lubricant to the bolt face as oil in the chamber can cause issues with ammunition. As your weapon breaks in, less lubrication will be needed and after a few hundred rounds just a light wipe will be sufficient.
4. Put a light coat of lubricant on the buffer spring.
5. Never use lubrication in your gas system. The gas system should always be run without lubricant. You can clean the gas block the same as you would your barrel, just make sure that you wipe it dry afterwards.
6. Blackout Defense recommends the use of new factory ammunition and does not recommend using re-loaded ammunition.

DISASSEMBLY

1. Ensure the rifle is clear by removing the magazine and repeating the clearing procedures described above the section "Clearing Procedures."
2. With the muzzle pointed in a safe direction, on the left-hand side of the lower receiver, push the rear take down pin to the right. From the right side of the rifle, pull the pin outward until the detent stops any additional travel. Tip the upper receiver forward on the front pivot pin, and remove the BCG and charging handle from the upper receiver.



3. Remove the upper receiver from the lower receiver by pushing the pivot pin on the left side of the lower receiver to the right. Reach to the right-hand side of the lower receiver and pull the pivot pin to the right until the detent stops any additional travel. Note that once the upper receiver is lifted, the Linear Compression Pad ("LCP") will be exposed. (See the installation note regarding the LCP that has been packaged with the rifle.)



BOLT CARRIER GROUP

1. Remove the firing pin retaining pin by pulling it through the left side of the carrier.



2. Remove the firing pin out the back of the bolt and the BCG.



3. The cam pin can now be rotated 90 degrees and removed from the BCG.



4. Pull the bolt out of the carrier. Clean inside the carrier and the outside of the bolt to remove carbon build up. Visually inspect gas rings and confirm that they are intact and not bent.



5. After cleaning, re apply a light coat of lubricant to the body of the bolt, as well as the inside and outside of the carrier. Reassemble the BCG in reverse order of disassembly.

UPPER/LOWER RECEIVER

1. Upper receiver: Clean the barrel bore with patches and solvent using a cleaning rod or a bore snake. Remove residue and oil from the upper receiver, including the charging handle channel using a cloth, rag, and/or cotton swabs.



2. Lower receiver: The lower receiver can be wiped down. The buffer and spring can be removed, wiped down, a light coat of lubrication can be applied to the spring before it is re inserted. The LCP can be removed and changed if deformed. Extras are included in the packaging with the rifle.

REASSEMBLY

1. Upper receiver: With the upper receiver now cleaned and lubricated, place the charging handle into the track of the upper receiver. Extend the re-built BCG out so that the cam pin is underneath the gas key, and insert the BCG into the upper receiver, pushing both the BCG and the charging handle into battery. The BCG should be flush with the end of the upper receiver.



2. Lower receiver: Insert the buffer into the spring, and re insert them into the receiver extension, locking the buffer behind the buffer detent.

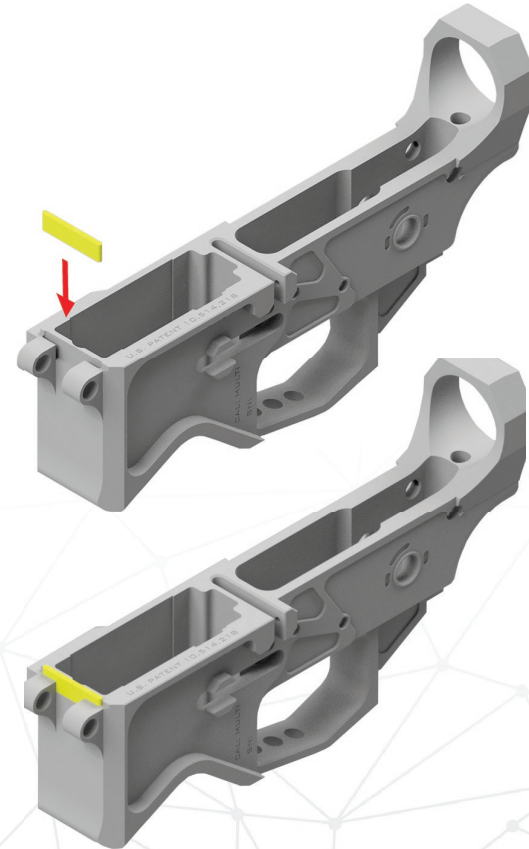


LINEAR COMPRESSION PAD INSTALLATION

This rifle is equipped with Blackout Defense's patented Presslock™ technology, which consists of a yellow Linear Compression Pad ("LCP") that fits into a precision-machined chamber in the lower receiver. Together the LCP and its chamber are designed to ensure a tight, rattle-free fitment of the upper and lower receiver. Essentially, this technology "beds" your receivers together while eliminating carrier tilt.

Before performing any maintenance, be sure to clear your firearm and manually and visually ensure that the chamber and barrel are clear of ammunition and debris.

1. Press the rear takedown pin from left to right, enabling the upper receiver to pivot forward on the front pivot pin.
2. Insert the included yellow LCP into the LCP chamber in the front of the lower receiver near the front pivot pin.
3. Firmly press the LCP into the chamber at the front of the lower receiver until it is snug and has no movement. The top edge of the LCP should extend to just above the top edge of the interior of the magazine well.
4. Close the upper receiver onto the lower receiver. You should feel some resistance. Firmly press the upper receiver downward and push the takedown pin from right to left to close the receivers in place. Perform a functions check on your rifle to ensure proper working order.

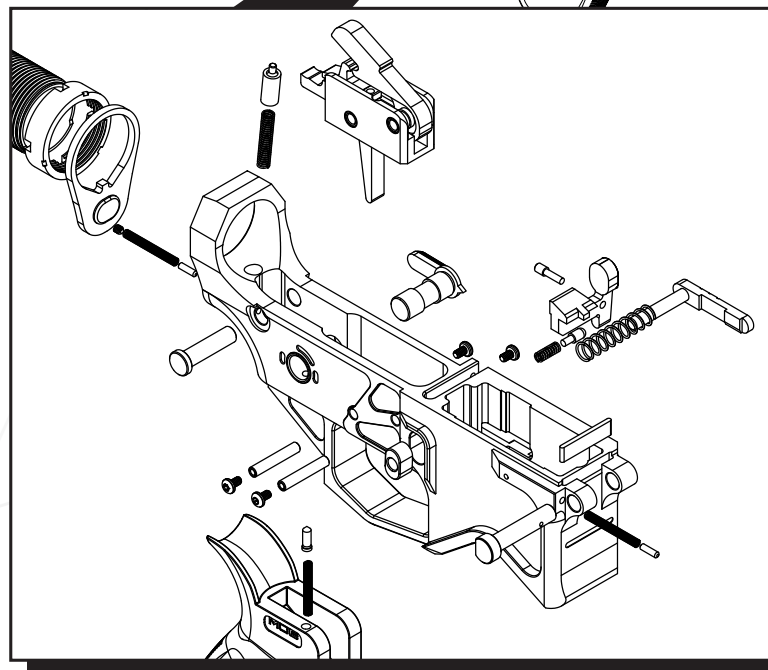
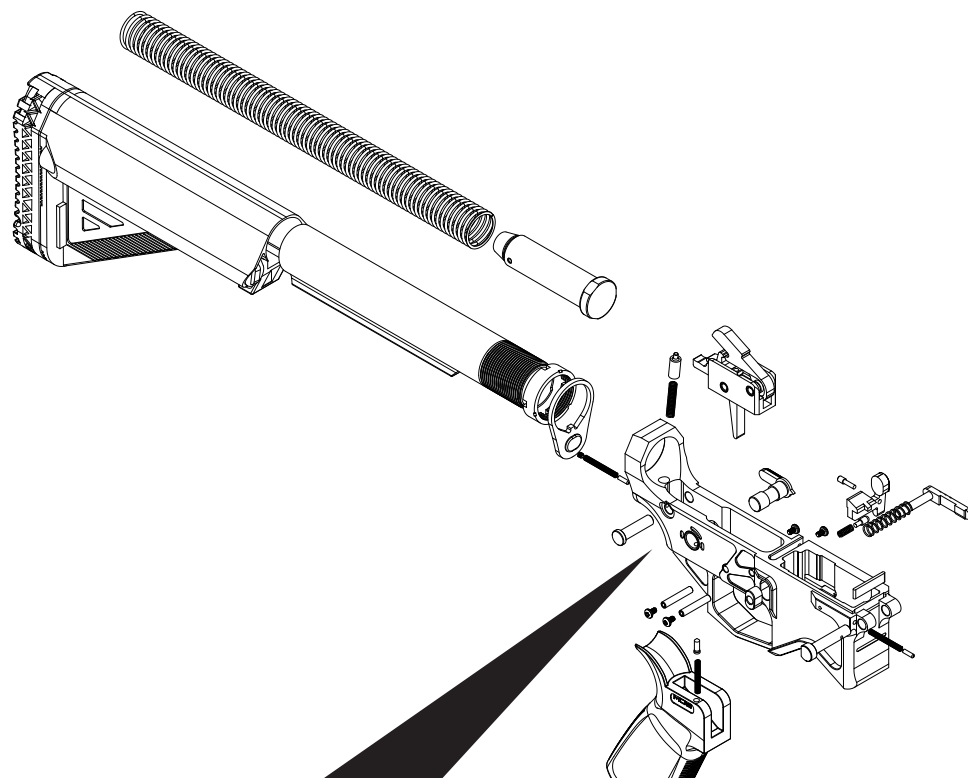


PERFORM A FUNCTIONS CHECK

ALWAYS ensure the rifle is clear, and that the magazine is empty.

1. Insert an empty magazine into the magazine well until it locks into place.
2. Pull down on the magazine to ensure that it is locked into place by the magazine catch.
3. Pull the charging handle fully back and then push it forward into a locked position. The BCG should now be held to the rear by the bolt catch.
4. Depress the magazine catch.
5. The magazine should fall free from the rifle under its own weight (unloaded).
6. Push the top of the bolt catch to release the BCG. The bolt carrier will travel forward into the locked position.
7. Rotate the fire control selector to SAFE.
8. Press the trigger to the rear. The hammer should NOT fall.
9. Rotate the fire control selector to SEMI.
10. Press the trigger to the rear and DO NOT RELEASE IT. You should hear a loud click as the hammer falls. Keep the trigger pressed to the rear.
11. Pull the charging handle to the rear and release it while keeping the trigger pulled. The hammer should not fall, but should continue to be held in the cocked position by the disconnecter.
12. Release the trigger. You should hear a click as the hammer is caught by the trigger sear.
13. Press the trigger to the rear again and the hammer should fall.
14. Finally, pull the charging handle to the rear once again and release it forward, resetting the hammer.
15. Rotate the selector switch from SEMI to SAFE.

LOWER RECEIVER PARTS ILLUSTRATION



TROUBLESHOOTING/REPAIR

Proper cleaning and lubrication before and after each use is critical for ensuring high-end performance of your firearm. If you experience a malfunction while firing, you should take immediate remedial action. Remember the acronym "SPORTS."

1. SLAP upward on the magazine to make sure it is properly seated.
2. PULL the charging handle all the way back.
3. OBSERVE the ejection of the case or cartridge. Look into the chamber and check for obstructions.
4. RELEASE the charging handle to feed a new round in the chamber. Do not ride the charging handle.
5. TAP the forward assist (if applicable).
6. SHOOT. If the rifle still does not fire, inspect it to determine the cause of the stoppage or malfunction and take appropriate remedial action.

If remedial action is needed, the first and most important step is always to ensure that the firearm is clear. After doing so, disassemble and inspect the firearm for damaged components, and clean and reapply lubricant as needed. If components are discovered to be damaged or broken, contact us at support@blackoutdefense.com

This rifle was designed to function properly in its original condition. Alterations can make it unsafe. Do not alter, add, or substitute any parts or accessories not manufactured by Blackout Defense in this rifle.



DO NOT ALTER ANY FIREARM COMPONENTS!

WARRANTY POLICY

Blackout Defense has elected not to limit itself to the terms of a narrowly crafted written warranty policy. Instead, Blackout Defense is committed to providing exceptional service to owners of Blackout Defense firearms and products. If you are an owner of a Blackout Defense firearm or other product and you are unsatisfied for any reason, please contact us.

ADDRESS

480 N 54th Street, Suite 5
Chandler, Arizona 85226

PHONE

480-781-0573

EMAIL

support@blackoutdefense.com

Although Blackout Defense does not have a written warranty policy, there are certain implied warranties under state law with respect to sales of consumer goods. The extent and interpretation of these implied warranties vary from state to state. Please refer to your state statutes for additional information on the implied warranties that may apply to you and your purchase.



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Blackout Defense is at the center of where science and manufacturing meet. Our products are engineered to perfection in the lab, executed to exact tolerances in the factory, and tested for human performance in the field.

The final product is no accident.



AMERICAN MADE