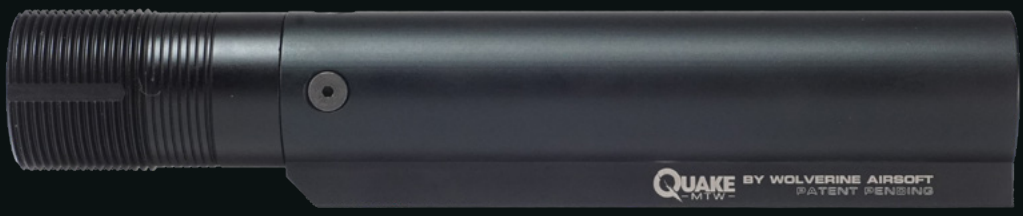
QUAKE
-MTW-

OWNER'S MANUAL



WOLVERINE AIRSOFT

www.wolverineairsoft.com

Important Safety Information

This product is not a toy. Adult supervision is required. This product is intended for use by those 18 years of age or older. Misuse or careless use of airsoft guns may cause serious injury, especially to the eye[s], or death. Eye and mouth protection designed for airsoft guns must be worn at all times by the user and any person within range. Read the instructions and owner's manual for this product and for your airsoft gun prior to use. The buyer and the user of this product and airsoft guns have the duty to obey all local, state, and federal laws.

Important: modifying your airsoft gun with this product may alter its accuracy and range. User of this product may make your airsoft gun dangerous up to 200 meters.

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Don't Forget to Register Your Warranty!

Your QUAKE MTW Recoil Stock is backed by Wolverine Airsoft's limited warranty. Scan the QR code or visit www.wolverineairsoft.com/warranty to read our full warranty and register your QUAKE MTW Recoil Stock.

Overview

Your QUAKE MTW is a precise instrument containing many individual components. Before you begin, please see the diagram below and familiarize yourself with each component.

System Components

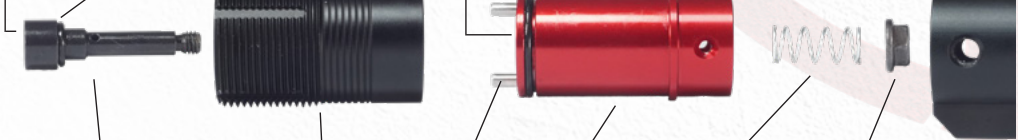
QUAKE MTW Recoil Stock

Hardpoint Adapter [Available M4 and 308 Sizes]

Mini Airline [Connects to RECOIL OUT Port]

INFERNO XTS HPA Engine

Internal Components



2x6mm O-ring

AS568 011 O-ring

2x6mm O-ring

AS568 020 O-ring

#6-32 x 1/4" Retaining Screw [x3]

Shaft

Cap

Alignment Pins

Piston

Spring

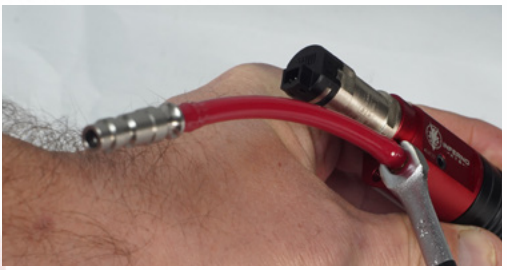
M6-1.0 Coarse Thread Nut

Buffer Tube

Installation

The QUAKE MTW is best when installed with a FRAC [Fixed Rear Airline Connector] or with a grip line ran through the sling plate. Running a line through the grip is not recommended due to risk of damaging wires.

Once you determine you have the correct airline for your setup from the chart below, attach the air line to the “AIR IN” port on the rear of the valve housing. Use a 1/4” wrench and gently tighten.



Build	Airline
MTW M4 w/ FRAC	3.325” FRAC Airline [Red] MTW-A-707-SKU
MTW-308 w/ FRAC	4.5” FRAC Airline [Black] MTW-A-704-SKU
Through Sling Plate	10” Gripline MLT-P-001-SKU

Attach the mini air line to the “RECOIL OUT” port on the rear of the valve housing. Use a 1/4” wrench and gently tighten.

Attach the other end of the mini air line to the included hardpoint adapter. This is easiest done by first securing the fitting onto the hardpoint adapter and then wiggling it into the airline. On the M4 version, align the groove in the adapter with the logo on the engine.

Orient the engine on its side with the logo facing up and slide it into the upper receiver.

Run the contact yoke wire through the receiver and plug it into the solenoid.

Continue pushing the engine forward. On the M4 version, make sure the airline runs through the notch in the hardpoint adapter.

Position the engine so that the retaining groove of the cylinder aligns with the grooves on the upper receiver. The retaining clip and contact yoke should snap into place when correctly aligned.

Remove your MTW's existing buffer tube by first loosening the castle nut with an armorer's wrench. Screw the castle nut counterclockwise several turns, slide the sling plate away from your receiver and then unscrew the buffer tube counterclockwise out of the receiver.

Screw the castle nut onto the QUAKE MTW approximately one inch. If installing a FRAC, install the alignment ring first followed by the FRAC. A sling plate with a hole large enough for a standard gripline can also be used.

Screw the QUAKE clockwise in the upper receiver, stopping just before reaching flush. Back it out until it is aligned vertically as shown. Press your sling plate or FRAC forward and tighten the castle nut. Do not overtighten.

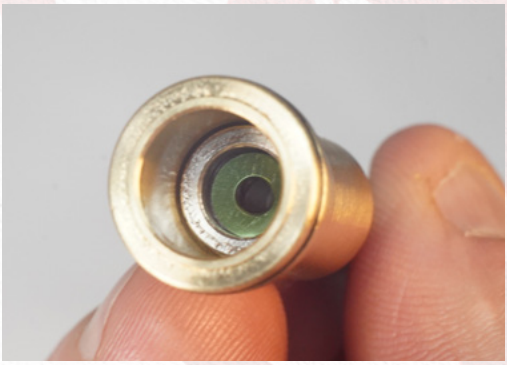
Assemble the upper and lower receiver by first feeding the airline through the FRAC or sling plate and then aligning the hardpoint adapter with the port on the QUAKE. Align the rear body pin first and secure it, followed by the front.

General Usage / Tuning

The amount of the recoil generated by the QUAKE MTW is directly related to the input pressure set at the regulator. Running a higher pressure will increase the amount of recoil.

To achieve a desirable level of recoil without surpassing energy requirements at your airsoft event, the output energy can be restricted through the use of flow reducers.

Flow Reducers are installed in the INFERNO XTS nozzle to restrict the airflow out of the barrel. The INFERNO XTS ships with three different size reducers that can be individually installed for different effects.

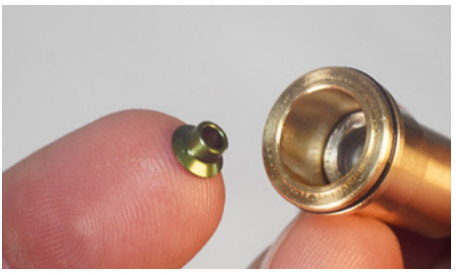


Color	Diameter	Velocity Reduction
Blue	0.08”	Approx 50% at 110 PSI
Green	0.10”	Approx 25% at 110 PSI
Red	0.13”	Approx 10% at 110 PSI

The INFERNO XTS is already fitted with a green flow reducer when shipped with the QUAKE MTW. To increase the amount of recoil, increase the pressure and use the blue, more restrictive, flow reducer. To decrease the amount of recoil, decrease the pressure and use the red, less restrictive, flow reducer.

To access the nozzle, disassemble the INFERNO XTS by unscrewing the two halves counterclockwise.

Insert the desired flow reducer inside the nozzle. Do not attempt to use multiple flow reducers.



To reassemble, first insert the nozzle into the baffle until it is fully seated. Then insert the nozzle and baffle into the valve housing until they are fully seated.

Install one end of the spring into the back of the nozzle and the other into the nose of the valve housing. Then carefully screw the cylinder clockwise onto the valve housing and hand-tighten it.

For more details on the INFERNO XTS, refer to the INFERNO XTS Owner's Manual.

Maintenance

The QUAKE MTW should need little maintenance, but in the event of a performance issue it can be disassembled and serviced.

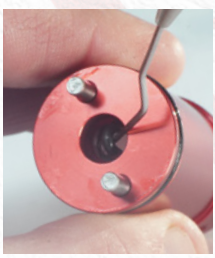
Items needed:

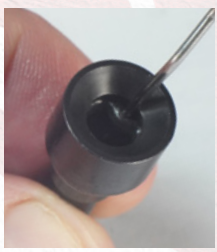
- O-ring compatible lubricant (ex. TechT GunSav)
- Clean, lint-free cloth
- O-ring pick

Use a 2mm hex key to remove the three retaining screws around the cap. Loctite has been applied during manufacturing so this can require some force. Separate the cap from the buffer tube.

Use a 10mm socket to remove the stop nut from the shaft inside the piston. Use a 3mm hex key to keep the shaft from rotating as shown. With the nut free, separate the shaft, cap and piston.

Use a clean lint-free cloth to clean each component. Inspect the four O-rings for damage or debris and replace if necessary. Refer to Page 4 for O-ring locations and specs.





Apply a small amount of lubricant around the circumference of each O-ring.

Insert the piston into the cap and orient the two alignemtbn pins on the piston with the two holes in the cap. When installed correctly, the piston will sink to the collar as shown.

Insert the shaft into the cap as shown.

Place the spring around the shaft.

Install the stop nut onto the shaft a 10mm socket, using a 3mm hex key to keep the shaft from rotating. Hand tighten until the nut bottoms out.

*Blue Loctite is recommended.

Align the three holes in the buffer tube with the matching holes on the piston and use a 2mm hex key to secure the three retaining screws.

Need professional help?

To find a retailer close to you visit:
www.wolverineairsoft.com/dealers

www.wolverineairsoft.com