



MODULAR TRAINING WEAPON OWNER'S MANUAL



WOLVERINE AIRSOFT

www.wolverineairsoft.com

Table of Contents

Important Safety Information	3
Getting to Know your MTW	4
Getting Started	5
General Use	
Reloading a Magazine / Empty Magazine Detection	6
Mode Selection	7
Hop-Up Adjustment	7
Stock Adjustment/Removal	8
Maintenance	
Disassembly/Reassembly	9
Engine/Hop Removal	10
Trigger Adjustment	10
Control Board / Trigger Board Removal	11
Charging Handle Retention Screw	12
Additional Documentation	13

Don't Forget to Register Your Warranty!

Your MTW 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 MTW.



Important Safety Information



Always wear safety goggles when using your Airsoft gun.
Portez toujours des lunettes de protection lorsque vous utilisez votre réplique. Utilisez siempre gafas protectoras cuando emplee su réplica.



Do not look directly into the gun barrel. Ne regardez pas directement dans le canon de votre réplique. No mire directamente hacia el canon de las réplicas.



Never aim or shoot at people or animals. Always set the selector on "safe" position [except when you are ready to shoot a target]. Ne visez et ne tirez jamais sur une personne ou un animal. Veuillez régler le sélecteur sur la position sécurisée [excepté lorsque vous êtes prêt à tirer sur votre cible]. Nunca apunte o dispare hacia personas o animales. Mantenga siempre el seguro en las posición "safe" hasta que este listo para disparar al blanco.



Select a safe place for operating the Airsoft gun. Avoid shooting in public places.
Choisissez un endroit sûr pour utiliser votre réplique à billes, évitez les endroits publics. Escoga un lugar seguro para disparar la réplica. Evite lugares públicos.



Never shoot holding the Airsoft gun side-ways as the BB pellets will curve [this is due to the hop-up system]. Ne tenez jamais la réplique de travers. Les billes peuvent partir à droite ou gauche. [Cela est dû au système de Hop-up]. Jamais agarrar y disparar la réplica horizontalmente, por el sistema hop-up los proyectiles BB podrán cambiar de dirección en el aire.



Do not disassemble gun yourself. Always contact your local retailer. Ne jamais démonter ou modifier votre réplique. Veuillez contacter votre revendeur d'airsoft pour toute question. No desarme la réplica usted mismo. Póngase siempre en contacto con el revendedor local.

Proper handling of your replica is critical to the safety and well being of yourself and those around you. When in doubt follow the Four Rules of Gun Safety:

1. Always treat every gun as if it was loaded.
2. Never point a gun at something you are not willing to destroy.
3. Keep your finger off the trigger until you have the weapon pointed at your target and are ready to shoot.
4. Be aware of the backdrop of your target. [i.e. what is behind your target in case you miss or the projectile over-penetrates].

Every day our rights continue to be restricted because people are irresponsible and abuse them. Please be part of the solution, not the problem. Learn your local laws, how your equipment works, how to use it safely, and always exercise responsibility.

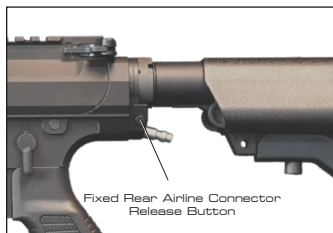
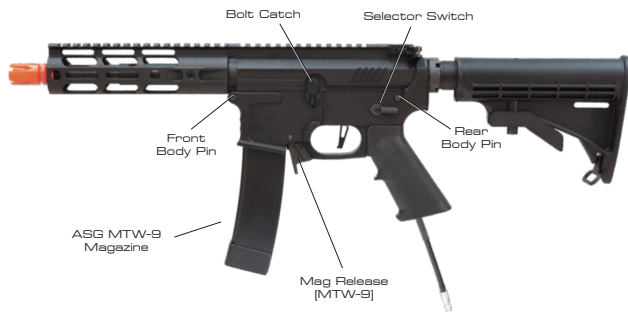
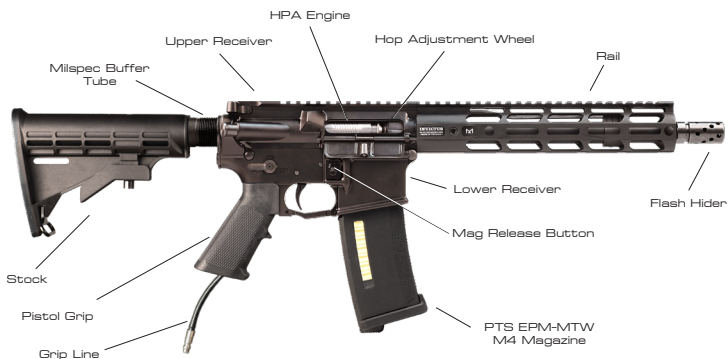
Always treat the airsoft gun as if it were loaded. Do not carry the airsoft gun in open view. Always transport the airsoft gun unloaded in a locked case. Do not openly brandish the airsoft gun, as this may be perceived by others [including law enforcement units] as a threat, and cause prompt reaction. Always use precision 6mm BBs for this airsoft gun. Never use any used or damaged BBs.

Manipulez toujours votre réplique comme si elle était chargée. Ne pas porter cette réplique sur vous en public. Transportez toujours la réplique déchargée, dans une mallette verrouillée. Ne pas ouvertement brandir votre réplique, car cela peut être perçu par d'autres (y compris les unités de police) comme une menace, et provoquer des troubles à l'ordre public. Veuillez toujours utiliser des billes de précision avec votre réplique à billes 6mm. N'utilisez jamais de billes déjà utilisées.

Siempre trate la réplica como si estuviera cargada. No lleve la réplica en vista pública. Transporte la réplica descargada, en una funda cerrada. No blandir la réplica abiertamente, ya que esto puede ser percibido por otras personas [incluso unidades de la policía] como una amenaza, y provocar una reacción instantánea. Utilice siempre BBs 6mm para su réplica. Nunca utilice BBs desperdiciados o dañados.

Getting to Know your MTW

Your Wolverine Airsoft MTW is a precise instrument containing many individual components. Before you begin, please see the diagram below and familiarize yourself with each component. Your MTW may come with different components than picture below depending on the series and trim level.



Getting Started

Items You will need

- 7.4 LiPo battery which will fit inside the MTW buffer tube. Most batteries in the 250-500 mAh range will work.
- Standard Setup
 - Charged HPA tank.
 - STORM regulator or airsoft regulator in the 60-140 PSI range.
 - Flex line with Foster spec fittings (standard in US airsoft market)
- WRAITH Setup
 - Charged 13/3000 HPA tank or CO2 cartridges.

Connect the LIPO battery to the connector in the grip. Install the pistol grip base plate to secure the battery in place during use. Note that the battery will always draw current when connected, so the MTW should not be stored with the battery connected.



If disassembled, extend the body pins on the lower receiver and attach the receivers by lining up the front lugs and pushing the front body pin all the way through. Insert the air line through the pistol grip, use the wire guide to keep the braided wire from being pinched, close the upper and lower receivers, and push in the rear body pin.



If using a separate HPA tank, mount your regulator to your tank and set the pressure to 100 PSI [see manufacturer's instructions]. Connect the tank air line by pulling down on the collar of the Foster fitting and pushing the male fitting into the female.

For "Unleashed" MTWs, your WRAITH X pressure is already pre-set for 1.3J. For detailed instructions on using the WRAITH X, see the [WRAITH X Owner's Manual](#).



General Use

Loading a Magazine

Press the mag release button on the MTW's right side to eject a magazine. The MTW is designed for use with proprietary Wolverine Airsoft magazines with Empty Mag Detection (EMD). Note: Using third-party magazines will disable EMD entirely.

When a magazine is emptied, the EMD activation lever will make contact with the control board and prevent firing.



MTW



MTW-9



Press the Bolt Catch!

After inserting a new magazine, press the bolt catch on the MTW's left side to reset the empty mag detection and allow firing again.



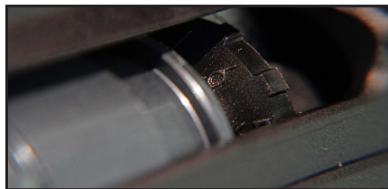
EMD Modes

For MTWs with Spartan Electronics, you can switch between EMD Simplified and Traditional modes by holding the bolt catch and trigger for 5 seconds. In Simplified mode, there is no need to press the bolt catch after reloading a magazine.



Hop-Up Adjustment

The amount of hop-up can be adjusted with the adjustment wheel accessible through the ejection port on the MTW's right side. Rotating the wheel clockwise will increase the amount of hop-up.



MTW

MTW-9

Mode Selection

The selector switch can be used to toggle your MTW between available fire modes.

For more information about specific-fire modes for your MTW, refer to the [MTW Spartan Electronics](#) [MTW, MTW-9, MTW-308, MTW-MK18] or [Premium FCU](#) Owner's Manuals [MTW Forged Series]



Stock Adjustment/ Removal

The stock can be adjusted to a comfortable length by squeezing the adjustment arm and sliding the stock along the buffer tube.



To remove the stock, firmly grasp the adjustment arm and pull it downward until the stock slides freely from the buffer tube.



Premium Stock Removal

If your MTW came with the DLG tactical stock, it can be removed by squeezing the adjustment arm hard enough so that it clicks twice.



Maintenance

Disassembly/Reassembly

Before disassembling the upper and lower receiver, always remove the magazine, disconnect the battery, and disconnect any air source. If using a WRAITH stock, remove HPA tank or CO2 cartridges.



Remove Magazine



Remove Battery



Disconnect Airline



Remove HPA Tank/CO2 Cartridges

Gripline

If your MTW has an airline installed in through the grip, disengage the rear body pin and pull the airline straight through the pistol grip. Then disengage the front body pin and separate the receivers.



Fixed Rear Airline Connector

If your MTW has an airline installed through a FRAC, disengage the rear body pin and pull the airline straight through the FRAC while pressing the release button. Then disengage the front body pin and separate the receivers.



WRAITH

If your MTW has an installed WRAITH stock, disengage both body pins and pull the upper receiver forward, slightly raising the front as to clear the hardpoint adapter and electronics.



Engine/Hop-Up Removal

Gen 1 and Gen 3 MTWs have an engine retaining clip that can be removed by hand. If your MTW has a poly feed tube or the Advanced Feed Tube Assembly [Gen 2] use a hard tool like an allen wrench to carefully lever the feed tube assembly out of the upper receiver.



Engine Retaining Clip
[Gen 1 or 3]



Advanced Feed Tube
[Gen 2 Only]

Gently pull straight up on the gripline to pull the contact yoke out of place. Then, use a hard tool like an allen wrench to pull the contact yoke connector pin out of the engine.

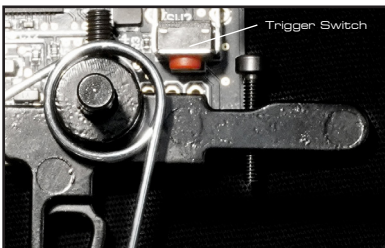


Feed the end of the gripline into the upper receiver and out the rear. Pull the airline straight out. It will bend sharply during this process but it will not be damaged. Finally, pull the engine out of the receiver. You can also pull the hop-up and barrel assembly out at this point.



Trigger Adjustment

The amount of travel between the trigger and trigger switch can be adjusted with the trigger adjustment screw and a 1.5mm hex wrench.



With the board removed and the selector switch in the SAFE position, rotate the adjustment screw clockwise to decrease travel and counter-clockwise to increase travel. When using a board with optical sensor, be sure not to damage the paint marks or stickers on the selector barrel.



Control Board/Trigger Board Removal

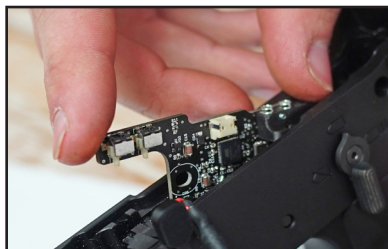
Remove the front and rear body pins and separate the upper and lower receiver and disconnect the battery. Use a hard tool like an allen wrench to slide the trigger spring away from the control board/trigger board and relieve tension on the front trigger pin.



Use the allen wrench to push the front trigger pin through the receiver and then pull it completely out.



Then, pull the control board/trigger board straight up from the receiver.



Charging Handle Retention Screw

For Gen 3 MTW's, you must first loosen the retention screw on the top of the upper receiver before attempting to remove the charging handle.



IMPORTANT!!!

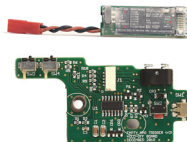
Your MTW contains steel components and is susceptible to surface rusting when exposed to moisture. If your MTW is exposed to liquids, be sure to dry it thoroughly and clean the surface with a silicone-based oil.

Additional Documentation

Please see the separate Owner's Manuals below for more information on your HPA engine, electronics, hop, and additional accessories.



[Spartan Electronics](#)



[Premium FCU](#)

*Included with
MTW Forged Series



[INFERNO Gen 2](#)



[MTW Poly/
CNC Hop-Up](#)



[STORM
Category 5](#)



[WRAITH X](#)

Need more help?

Check out the Wolverine Airsoft Knowledgebase for articles, videos, maintenance guides, and more!

<http://www.wolverineairsoft.com/knowledgebase>.



**Need professional
help?**

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



www.wolverineairsoft.com