



**MDT**

# **INSTALLATION MANUAL**

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**HNT26 CHASSIS SYSTEM**

# HNT26 CHASSIS: LIGHTWEIGHT HUNTING SYSTEM

V2 Sept. 2021

Thank you for purchasing the HNT26 Chassis System.

This revolutionary chassis has been developed by MDT to provide an ultralightweight and ergonomic chassis utilizing premium material technology and features. The MDT HNT26 chassis body is made of AZ61A magnesium alloy (35% lighter than Aluminum) while the forend, buttstock and grip are made of Carbon Fiber Reinforced Polymer (CFRP). With these materials, the HNT26 chassis weighs only 26 OZ in its lightest configuration.

- Carbon fiber was used for the buttstock, grip and forend to minimize weight, maximize strength and provide a warm feel.
- The action and grip are mounted to the MDT HNT26 chassis with titanium alloy screws, maximizing the strength to weight ratio.
- The foam filled CFRP buttstock is lightweight and effectively deadens recoil and sound.
- The rifle receiver utilizes a V-Block bedding system to ensure repeatable accuracy and allows the barrel to float freely.

The chassis system allows each shooter to customize their build to further increase accuracy, functionality, and ergonomics.

- The HNT26 chassis supports the installation of M-LOK accessories along the forend.
- Cheek riser height is vertically adjustable and has a comfortable neoprene foam top.
- The HNT26 chassis can be equipped with a folding or fixed buttstock.
- All HNT26 compatible buttstocks and forends have QD sling mounts and swivel studs.
- 12.5" minimum length of pull that can be easily increased with included spacers



Ensure that the firearm is safe and not loaded. Follow all rifle manufacturer recommendations for operation.



## CAUTION

AVOID RESTING OR HITTING THE BARREL AGAINST ANY SURFACE WHILE HANDLING THE ACTION, STOCK, AND CHASSIS.

## TOOLS REQUIRED FOR ASSEMBLY

- Torque Wrench (in-lb)
- 3/16" Hex Drive Bit/Allen Wrench (SAE Threaded Actions) OR 5mm Hex Drive Bit/Allen Wrench (Metric Threaded Actions)
- T15 Torx Drive Bit/Key OR 3/32" Hex Drive Bit/Allen Wrench (check your included forend screws)

## ADDITIONAL TOOLS REQUIRED FOR ADJUSTMENT AND FULL DISASSEMBLY

- 7/32" Ball Head Allen Wrench (for folding buttstocks) OR 5/16" Long Hex Drive Bit or L-Style Allen Wrench (for fixed buttstocks)
- 1/8" Allen Wrench (for cheek riser adjustment)
- 5/32" Allen Wrench (for grip removal and buttstock adjustment)

## NOTE

SOME RIFLE MODELS REQUIRE SPECIAL INSTALLATION - PLEASE CHECK THE COMPATIBILITY LIST FOR ANY ADDITIONAL INSTRUCTIONS.

## ITEMS REQUIRED FOR ASSEMBLY

- Barreled Action (**Not Included**)
- Bolt (**Not Included**)
- Magazine (**Not Included**)
- HNT26 Chassis Base w/ Buttstock & Grip
- HNT26 Fore-end
- Rear Action Screw - Long
- Front Action Screw - Short
- 1/4" Mil.Spec. Washer (x2)
- Forend Screw - 3/8" Long (x3)
- Forend Screw - 1/4" Long (x2)

### NOTE

Items may vary depending on model and style.

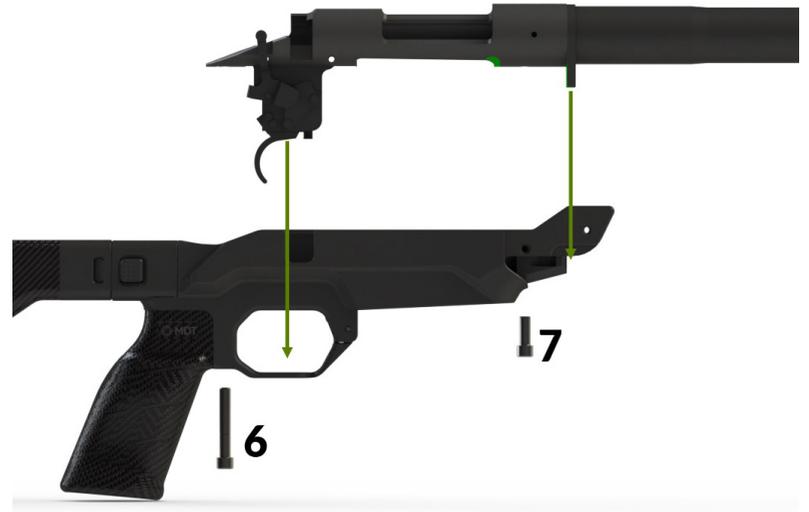
If the 1/4" Long forend screws are not required for your particular forend, they will not be included.

## REMOVING THE ACTION

1. Ensure that the firearm is unloaded.
2. Remove the magazine (if inserted) and bolt.
3. Using the appropriate tool for your firearm, loosen and remove the two screws holding the stock to the action.
4. Set these screws aside as they are no longer needed.
5. Remove the barreled action from the stock.

## CHASSIS/FOREND INSTALLATION

1. Place the action into the HNT26 chassis body (4).
2. Using the included rear action screw (Item 6) and shorter front action screw (Item 7), and either the 3/16" or 5mm Allen Wrench (depending on your action) loosely secure the HNT26 Chassis to the action. Do not torque the screws tight.

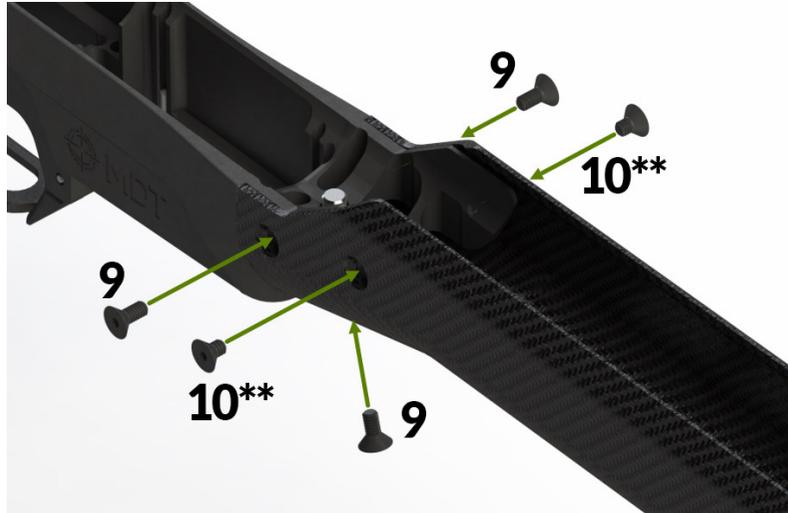


3. Slide the HNT26 forend over the barrel of your firearm and pull it tight against the HNT26 chassis body.
4. Using the forend screws provided (Items 9 and 10\*\*) and the torque wrench with T15 Torx driver bit (or 3/32" driver bit), secure the forend to the HNT26 chassis by fully torquing the 3/8" long side screws then the 3/8" long bottom screw (All Item 9) to 25 in-lbs.

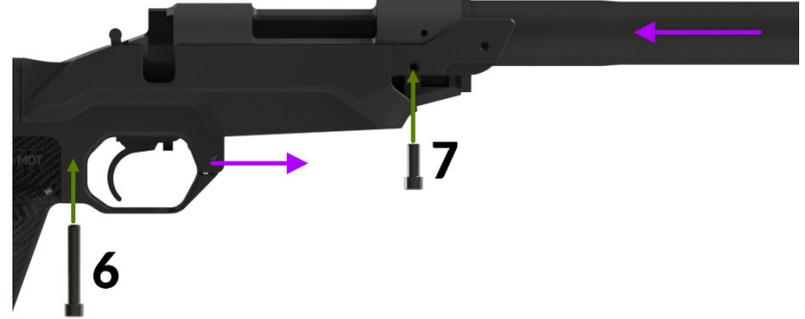
\*\*If included: Torque the 1/4" long forend screws (Item 10) to 10 in-lbs after torquing the other 3 screws.

### CAUTION

**DO NOT OVERTIGHTEN FOREND SCREWS.**



5. To ensure proper recoil lug contact, apply rearward pressure on the chassis with the barreled action.
6. While maintaining rearward pressure, Tighten the screws holding your barreled action to the HNT26 Chassis. Next, torque the front action screw (Item 7) then the rear action screw (Item 6) to 60-65 in-lbs.
7. Install the bolt and an appropriate magazine.
8. Check the operation by cycling the rifle.

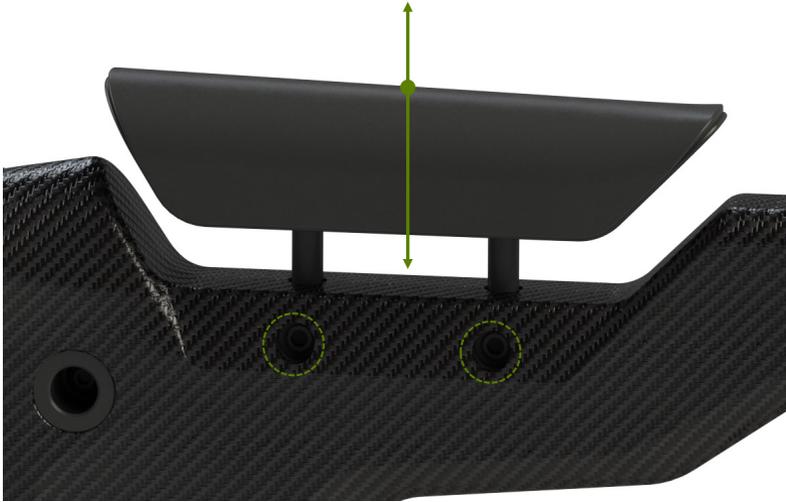


### CAUTION

RE-TIGHTEN ALL SCREWS, AND FASTENERS AFTER INITIAL USE (APPROX. 100 ROUNDS).

## CHEEK RISER ADJUSTMENT

1. Using a 1/8" allen wrench loosen the 2 set screws, DO NOT remove the set screws.
2. Move the cheek riser to the desired height.
3. Re-tighten set screws to hand tight



## BUTTSTOCK ADJUSTMENT

1. Use a 5/32" allen wrench to back out the two buttpad screws.
2. Take the spacer(s) and insert them between the buttpad and buttstock face between the two screws.

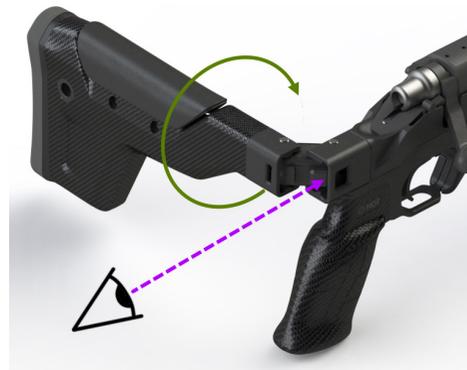


3. With a counterclockwise twisting motion, hook the spacers onto the top screw and pop them into place.
4. Let the spacer(s) fall and press them over the bottom screw.
5. Retighten the buttpad screws until snug.



## BUTTSTOCK REMOVAL (FOLDING OPTION)

1. Begin by completely folding the stock.
2. Look through the crescent end of the hinge to be able to see the screw head.



3. Using a ball head 7/32" allen wrench undo the screw revealed behind the hinge mechanism.

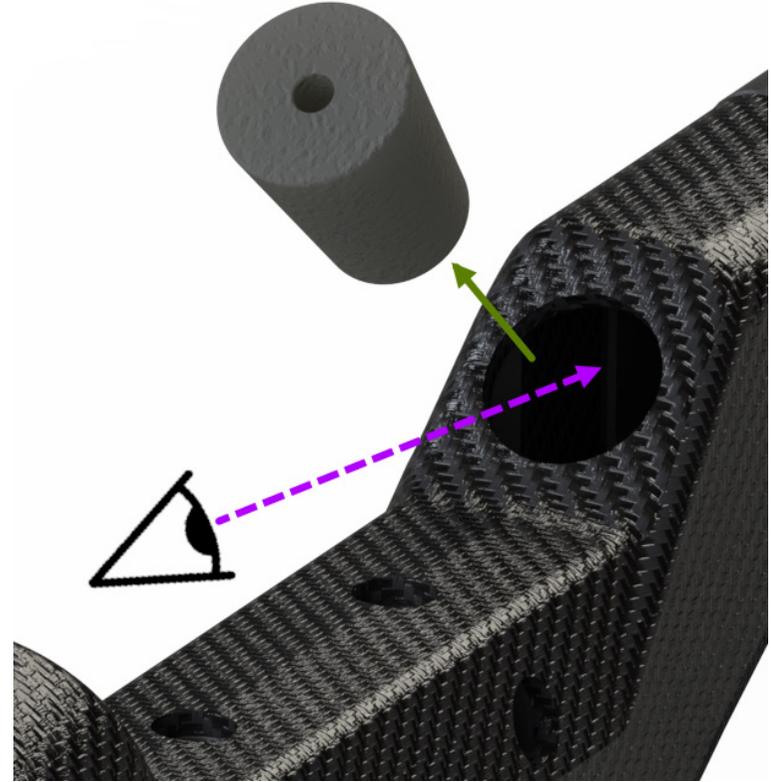


## BUTTSTOCK REMOVAL (FIXED OPTION)

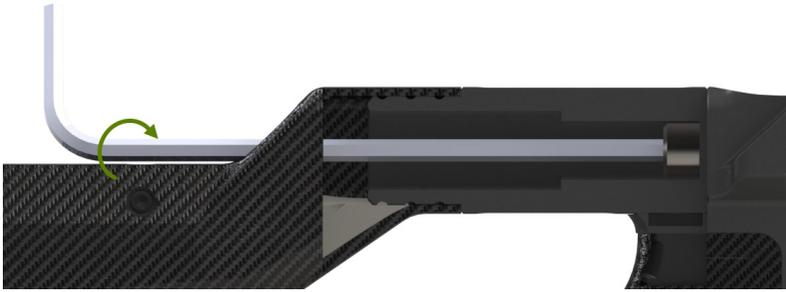
1. Using a 1/8" allen wrench loosen the set screws of the cheek riser.
2. Remove the cheek riser from the buttstock and set it aside.
3. Locate the rubber stopper in the forward slope (circled in red)



4. Using the same allen wrench or a long thin tool pop the rubber stopper out of place and set it aside.
5. Look through this hole to locate the buttstock screw.

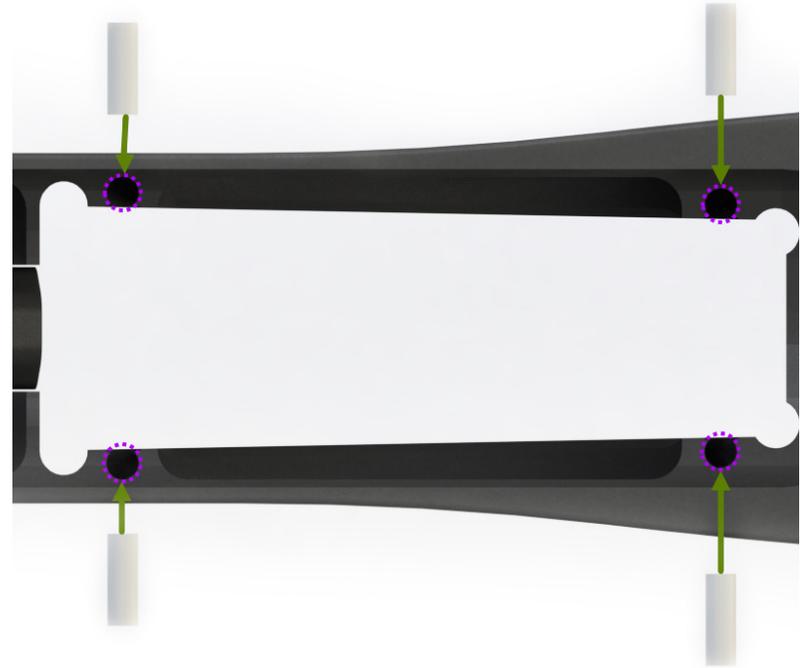


6. Using a 5/16" L-style allen wrench undo this screw.



## OPTIONAL MAGAZINE DOWELS

Take the four small white plastic dowels and press them into the associated tracks along the mag well (see image below). This will decrease magazine wobble for large capacity magazines.



## MAINTENANCE INFORMATION

### NOTE

THIS MANUAL COMPLEMENTS YOUR RIFLE MANUFACTURER'S MANUAL. FOLLOW ITS LUBRICATION AND MAINTENANCE INSTRUCTIONS.

#### When should I clean and lubricate my new MDT chassis?

- Before and after long-term storage;
- Soon after being subject to adverse conditions such as rain, snow, mud, sleet, or saltwater;
- Soon after operating in rough conditions such as lying on the ground outdoors or dropped in mud.

#### How should I clean and lubricate my MDT chassis?

- Use a damp (not wet) clean cloth to remove dirt and other stains from the surfaces.
- Use a dry clean cloth to dry and finish the cleaning;
- Do not apply oil on the chassis surfaces;
- After cleaning, place a drop of gun oil on the following: sling swivel stud, magazine lock pin, action screws, pistol grip screw, and forend screws.

### NOTE

AFTER USE UNDER EXTREME CONDITIONS, IT MAY BE NECESSARY TO DISASSEMBLE THE CHASSIS FOR PROPER CLEANING.

#### Is the MDT chassis corrosion-proof?

- Yes, the MDT chassis coating provides superior corrosion protection using Cerakote®.
- However, only proper care can keep your firearm and chassis system in good operating condition and maintain its appearance.
- If after extensive use the protective coating on plated parts shows signs of reduced corrosion protection, recoat, or replace the parts to ensure the integrity of the chassis.

## WARRANTY

#### What warranty does MDT provide?

- MDT offers a 100% satisfaction guarantee on all products. If you receive any of MDT product, but you are not completely satisfied, return it to MDT's central office within 30 days for a 100% refund.
- All our products come with lifetime support against defects.
- Performing modifications/alterations to the product voids all warranties, expressed or implied.

#### How do I claim warranty on a MDT product?

- If you experience a problem with your MDT Rifle Chassis system, call us or initiate a service ticket through the MDT website.
- Warranty claims must show the product model, a contact email, a phone number, and a description of the problem.

#### How does MDT process warranty claims?

- Upon receiving the item, MDT decides whether to accept the warranty claim, and whether to repair or replace the parts, at its discretion.
- MDT accepts no responsibility for loss or damage in transit.
- MDT pays for shipping and insurance charges for the return to the owner, ONLY after accepting the warranty claim.
- If non-warranty parts or services are required, MDT provides an estimate for approval prior to performing any service.

### **What are the warranty limitations?**

- This warranty is exclusive and is in lieu of any and all other warranties, expressed or implied. No implied warranties of merchantability or fitness for a particular purpose are given and any and all liability for breach of any implied warranty or warranty created by law is disclaimed.
- Under no circumstances shall MDT be liable for incidental or consequential damages with respect to economic loss, injury, death or property damage, whether as a result of breach of this warranty, negligence or otherwise.

### **Jurisdictional Exceptions:**

- Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.
- Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you completely or in part.
- This warranty gives you specific legal rights. You may also have other rights that vary from jurisdiction to jurisdiction.

## **SAFETY GUIDELINES**

### **1. ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.**

Never allow your firearm to point at anything you do not intend to shoot. Always handle any firearm as if it were loaded and ready to shoot. **UNLOAD ALL FIREARMS WHEN NOT IN USE. ALWAYS VERIFY.** Load your firearm only when you are in the field or on the target range and ready to fire. Unload as soon as you finish shooting. Verify that the firearm is unloaded before storing and **ALWAYS** when you pick it up.

### **2. DO NOT RELY ON ANY MECHANICAL SAFETY.**

Safety devices are not a substitute for safe handling procedures. Treat every firearm as if it can fire at any time, regardless of the safety position. Do not touch the trigger until you are ready to fire.

### **3. UNDERSTAND THE TARGET AND WHAT IS BEYOND THE TARGET.**

Do not fire unless you know exactly where your shot is going, and what is beyond the expected point of impact. Never fire at a sound, a movement, or a patch of color. If you cannot see clearly what is beyond the target, **DO NOT SHOOT.**

### **4. NEVER SHOOT AT WATER OR AT A HARD SURFACE.**

Shooting at water, rocks, or other hard surfaces may result in bullet fragmentation with unpredictable flight paths.

### **5. USE PROPER AMMUNITION.**

The use of wrong ammunition, mixed ammunition, or improperly reloaded ammunition may result in serious injuries or death, and catastrophic damage to your firearm. Check each round before loading. If in doubt, **DO NOT SHOOT.**

### **6. IF THE FIREARM FAILS TO FIRE, DO NOT MOVE.**

If the ammunition does not fire when you pull the trigger, stop and keep the muzzle pointed in a safe direction. Wait 15 seconds before opening the chamber. Look away from the chamber while opening it and removing the round. In semi-automatic firearms, remove the magazine before manually cycling the round. Properly discard the round immediately. **DO NOT** try to fire it again.

### **7. ALWAYS WEAR EYE AND EAR PROTECTION WHEN SHOOTING.**

Wear protective shooting glasses to guard against any combustion discharges, cartridges ejection, or debris resulting from firing your firearm or firearms around you. Also, wear eye protection when you are disassembling or cleaning a firearm to guard against tensioned parts and cleaning solvents. Always use ear protection.

### **8. VERIFY THAT ACTION AND BARREL ARE CLEAR BEFORE SHOOTING.**

Before loading your gun, inspect the action and barrel to ensure there are no obstructions such as snow, mud, excess lubricant, cleaning patches, or any other foreign material.

## 9. LEARN THE PARTICULAR CHARACTERISTICS OF EACH FIREARM.

Not all firearms are alike. Become very familiar with the firearm before shooting. Learn safe handling procedures for loading, unloading, carrying, shooting and storing each firearm before firing the first round.

## 10. SHOOT SOBER!

NEVER handle any firearm while under the influence of alcohol, drugs, or any medication that may impair your senses in any form.

## DISCLAIMER

MDT SHALL NOT BE RESPONSIBLE IN ANY MANNER WHATSOEVER FOR INJURY, DEATH, OR DAMAGE TO PROPERTY AS A RESULT OF THE INTENTIONAL OR ACCIDENTAL MISUSE OF THIS PRODUCT, OR FROM ITS PROPER FUNCTION WHEN THE PRODUCT IS USED FOR PURPOSES FOR WHICH IT WAS NOT DESIGNED.



**Need additional support?**

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# MDT PRODUCT INSTALLATION MANUAL