



TAC21 RIFLE CHASSIS

THANK YOU FOR CHOOSING THE MDT TAC21 RIFLE CHASSIS.

Our tactical chassis series is a combination of benchrest accuracy, superior ergonomics and specialized design. The new TAC21 chassis brings the Remington 700 Short Action to the next level in versatility and modularity, with an instant improvement in accuracy.

The drop-in chassis serves as a base to which the operator can add tactical components according to the desired functionality. The stock is manufactured out of aluminum hard anodized to mil spec type III, with a top full length MIL-STN-1913 accessories mounting rail. The built-in mounting rail has 20 MOA (Minutes of Angle) on the action housing and is parallel to the barrel axis on the fore-end.

TAC21 can be ordered separately, or with the completion kit. The TAC 21 chassis is designed to accept any AR-15 butt-stock and pistol grip. The basic kit does not include shoulder butt-stock and pistol grip, offering the option to customize from the wide variety available on the market.

The TAC21 chassis uses AICS style magazine in .223 and .308 caliber, and supports installation of bolt on MIL-STN-1913 accessory mounting rails on the fore-end and side of the action housing. Mounting holes are spaced for Magpul style L5 (11 slots) and L3 (7 slots) rails (1.600" / 3.200").

TAC21 chassis is engineered to minimize warping and distortion. The rifle receiver only makes contact with the TAC21 chassis on the V shape bedding and recoil lug area insuring the best accuracy and repeatability. The generous clearance on the fore-end makes any barrel (diameter up to the receiver size – 1.350"), free floating.

The TAC21 chassis also offers the possibility to glue in the action. To those who choose this option, please be advised that you need to replace the factory trigger with an aftermarket trigger featuring a bottom safety.

MODULAR DRIVEN TECHNOLOGIES LTD

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SAFETY RULES

1. RULE: ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. NEVER POINT A FIREARM AT SOMETHING THAT IS NOT SAFE TO SHOOT AT!

This is one of the most important gun safety rules. A safe direction is one in which an accidental discharge will not cause injury to yourself or others. Never allow your gun to point at anything you don't intend to shoot. Never let the muzzle of a firearm point at any part of your body or at another person. Never look into the muzzle or change tubes on a loaded gun, even with safety engaged. Treat every gun as if it were loaded. To be sure that the gun is empty, open the chamber and check. And make it a habit to know where your muzzle is pointed at all times, even when your firearm is unloaded.

No one will be injured by an accidental discharge if you keep your firearm pointed in a safe direction. It's as simple as that.

2. RULE: FIREARMS SHOULD BE UNLOADED WHEN NOT ACTUALLY IN USE.

Load your firearm only when you're in the field or on the target range and ready to fire. Never let a loaded gun out of your sight or out of your hands. Unload it as soon as you're finished shooting.

Before handling a firearm or passing it to someone else, visually check the chamber, receiver and magazine to be certain they do not contain ammunition. Always keep the gun's action open when not in use. Never assume a gun is unloaded even if you were the last person to use it. Always check for yourself.

Let common sense rule when you carry a loaded gun. If you are in any situation that could risk accidental discharge - such as crossing a fence, wading through a stream, or climbing a tree - always unload your gun.

Never pull or push a loaded firearm toward yourself or another person. Never carry a loaded gun in a scabbard, detached holster or gun case.

Safe storage of firearms is just as critical as safe handling. Never store guns loaded and be sure to keep your firearms in a secure place where no one can get access to them without your knowledge.

Ammunition should be stored and locked in a location separate from your firearms. Never leave an unsecured firearm or ammunition in a closet, dresser drawer or under the bed.

Remember, it is your responsibility to make sure that children and others unfamiliar with firearms cannot get access to your firearms and ammunition.

3. RULE: DON'T RELY ON YOUR GUN'S SAFETY. SAFETY DEVICES ARE NOT A SUBSTITUTE FOR SAFE HANDLING PROCEDURES.

Treat every gun as if it can fire at any time, whether or not there's pressure on the trigger. Your firearm has been carefully designed to maximize performance and safety. However, a gun's safety is a mechanical device and, like any mechanical device, it could fail.

Human error is a more likely reason for a gun safety to fail. A safety is not a substitute for common sense. It's merely a supplement to your proper handling of a firearm.

Don't touch the trigger on a firearm until you are ready to shoot. Keep your fingers away from the trigger when you're loading or unloading. Do not pull the trigger when the safety is engaged or

positioned anywhere between safe and fire. Never rely solely on a safety device to prevent an accident.

It is imperative that you know and use the safety features of the particular firearm you are handling.

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SAFETY RULES (CONT.)

4. RULE: BE SURE OF YOUR TARGET AND WHAT'S BEYOND IT. NEVER SHOOT AT WATER OR AT A HARD SURFACE.

Shooting at the surface of water or at a rock or other hard surface increases the chance of ricochets or fragmentation of the bullet or shot, which can result in the projectile striking an unintended or peripheral target. You can not stop a shot in mid-air, so do not fire unless you know exactly where your shot is going and what it will strike. Never fire at a sound, a movement or a patch of color. Before you pull the trigger, be absolutely sure of your target and what is behind it. Make sure your shot has a backstop such as a hillside or dense material like sand.

5. RULE: USE PROPER AMMUNITION. BE CERTAIN THAT EACH ROUND YOU USE IS IN THE PROPER CALIBER OR GAUGE AND TYPE FOR THE PARTICULAR FIREARM.

Every firearm is designed to use a certain caliber or gauge of ammunition. Using the wrong ammunition, mixing ammunition or using improperly reloaded ammunition can cause serious personal injury or death.

Always read and heed the instructions on ammunition boxes. Check all ammunition before you load it to make sure it matches your gun's requirements. Every cartridge and shell is head-stamped with its caliber or gauge for easy identification.

RELOADING REQUIRES EXTRA DILIGENCE.

If you're an ammunition reloader, you are responsible for personally assuring that the loads and components of your reloaded ammunition meet your gun's factory-tested standards. Never use ammunition that has been reloaded by someone else!

Reloaders must observe all possible safety precautions and practices related to the proper handling of explosives. Whether you are a seasoned reloader or just starting out, you should study the subject, watch reloading demonstrations and talk to experienced reloaders.

6. RULE: LEAD WARNING

The process of reloading exposes you to environmentally hazardous materials. Lead is the most common substance in bullets and shot. It is important to handle lead bullets and shot with extreme care. Work only in a well-ventilated area and always wash your hands after exposure and before eating.

Discharging firearms in poorly ventilated areas, cleaning firearms or handling ammunition may result in exposure to lead and other substances known to cause birth defects, reproductive harm, and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.

7. RULE: IF YOUR GUN FAILS TO FIRE WHEN THE TRIGGER IS PULLED, HANDLE WITH CARE!

If for some reason the ammunition does not fire when you pull the trigger, stop and remember the first Rule - always keep the muzzle pointed in a safe direction. Keep your face away from the breech, then put the safety on, carefully open the action, unload the firearm and dispose of the cartridge safely. Remember anytime there's a shell in the chamber, your gun is loaded and ready to use. Even if you tried to shoot and your gun did not fire, treat your firearm as if it could still discharge.



SAFETY RULES (CONT)

8. RULE: ALWAYS WEAR EYE AND EAR PROTECTION WHEN SHOOTING.

Your sight and hearing are at risk of injury from shooting and should be protected at all times. Wear protective shooting glasses to guard against falling shot, clay target chips, powder residue, ruptured cartridge cases and even twigs and branches in the field. Also be sure to wear eye protection when you are disassembling or cleaning a gun so that tensioned parts (like springs) and cleaning solvents don't come in contact with your eyes. Continued exposure to shooting noise can permanently damage your hearing. On the range, where shooting volume is the loudest, be sure to use the maximum protection of a headset.

9. RULE: BE SURE THE BARREL IS CLEAR OF OBSTRUCTIONS BEFORE SHOOTING.

Before loading your gun, open the action and make sure there is no ammunition in the chamber or magazine. Check the barrel for any obstructions or debris. Even a small amount of snow, mud, excess lubricant or grease in the bore can dangerously increase pressure and cause the barrel to bulge or burst when firing. Use a cleaning rod and patch to wipe away anti-rust compounds or any other residues or obstructions in the barrel. Never try to shoot out an obstruction by loading another shell and firing!

10. RULE: LEARN THE MECHANICAL AND HANDLING CHARACTERISTICS OF THE FIREARM YOU ARE USING.

Not all guns are alike. They have different mechanical characteristics that dictate how you should carry and handle them. Anyone who plans to use a firearm should first become totally familiar with the type of firearm it is and the safe handling procedures for loading, unloading, carrying, shooting and storing the firearm.

11. RULE: SHOOT SOBER!

There is one other rule that must be followed when handling firearms. In fact, respect for this rule is necessary in order to effectively practice the other rules of Firearm Safety. The rule is: SHOOT SOBER! Alcohol, drugs and guns are a deadly combination. Never consume anything that would even mildly impair your judgment or physical coordination when you are using a firearm. A staggering percentage of the shooting accidents that occur every year involve alcohol or drugs. Be smart. Shoot sober and stay alive.



INSTALLATION INSTRUCTIONS FOR THE TAC 21 CHASSIS

These instructions apply only for stock OEM Remington 700 short action rifles, custom builds and custom actions may require fitting by a qualified gunsmith. Illustrations are for informational purposes only.

1. Before starting, read all the safety and installation instructions.
2. Check if you have all parts and tools.
3. Tools required (not included): Allen wrench 1/8", 5/32", and 3/16", small hammer, tweezers, inch-lb torque wrench (optional).
4. Be sure you firearm is unloaded before starting.
5. Remove bolt and magazine (if any).
6. Remove scope.



7. Remove scope mounting rail or inserts (if your rifle does not have a scope-mounting rail).
8. Remove front and rear guard screws as well as the center guard screw on ADL grade.



9. Remove trigger guard assembly.
10. You can now remove your barreled action from your original stock.
11. Place trigger on safe.
12. With a 1/8" drift punch and a small hammer, drift out the rear trigger pin (bolt stop pin) towards the opposite side from the safety. **Be sure to retain bolt stop spring from flying out.**

13. Your trigger will be loose from one end and the sear will no longer be locked. **Make sure you do not loose the sear spring.**
14. Remove the bolt stop and bolt stop spring.
15. Drift out the sear pin (front) towards the same side as in number 11.



16. You can now remove the trigger from the action.
17. Reinstall sear spring and sear into trigger using the two small (0.125" diameter x 0.300" long) trigger slave pins included in your kit [see diagram part# 100116]. This will hold the trigger together for re-



installation.

18. Place action housing with the rail side down in a vice with soft jaws or on a padded table with soft cloth or old towel.
19. Trial fit light oiled action into the TAC21 action housing. Be careful to not mark the parts.



20. To re-install the trigger, trigger safety must be on safe. Slide action out of the action housing [see diagram part# 100101] approximately 1". Drop in trigger with the safety lever into the safety slot recess. Slide barreled action into action housing, and guide the trigger into position in the rifle action.
21. With the trigger and action in place, slide in the sear pin (short) on the front hole from the opposite side of the safety lever. Use a drift punch to push out the trigger slave pin through the action and drift it flush with the bolt stop notch.
22. Place bolt stop into its proper place with the hook end to the rear and underneath the bolt release plunger.
23. Insert bolt stop spring with tweezers.
24. Press down with a screwdriver on the bolt stop spring and insert the bolt stop pin (long) through bolt stop, through spring, and through the action/trigger pushing out the second trigger slave pin. Use a drift punch and drive it flush with bolt stop.



25. Place the two 3/16" (0.188") dowel pins [see diagram part# 100115] into action housing. This will align the trigger housing [see diagram part# 100102] with the action housing.



26. Place trigger housing onto dowel pins and press down firmly until flush with action housing.
27. Place the two, action screws [see diagram part# 100114], into trigger housing and screw in until snug. Push barreled action into action housing until recoil lug is flush with action housing. Hand tighten the



two action screws.

28. Torque the action screws to **60 inch pounds** starting with the rear screw.
29. Slide on fore-end [see diagram part# 100104] onto barrel and action housing and secure with the 3 fore-end bolts [see diagram part# 100113]. Torque to maximum of **36 inch pounds** so as not to strip the helicoils [see diagram part# 100117].



30. Install third party pistol grip using pistol grip screw [see diagram part# 100118].
31. Screw in third party buffer tube and butt-stock into end cap [see diagram part# 100103].
32. Install bolt into action. Load an EMPTY magazine and check fit. Make sure rifle is not loaded.



33. Check function of bolt, trigger and safety, again making sure your firearm is unloaded. Using snap-caps, verify the smooth loading and ejection.
34. (optional) Place rubber wedge [see diagram part# 100112] onto end cap channel for an even tighter fit.



35. Slide out end cap pushpin [see diagram part# 100109] and slide end cap onto the end of the action housing. Secure with pushpin.
36. Your build is complete and ready for rings, scope and accessories.

CARE AND MAINTENANCE

Cleaning Frequency

1. Before and after long term storage.
2. When the rifle has been subjected to adverse conditions such as shooting in the rain, snow, sleet or saltwater areas.
3. When the rifle is exposed to dirty conditions such as lying on the ground outdoors, being dropped in mud, etc.

Clean and lubricate the chassis assembly as a unit. Place a drop of oil in each of the following points (see exploded view diagram): sling swivel stud, fore-end bolts, magazine lock pin, action screw, pistol grip screw, end cap pin.

NOTE: While the TAC21 Chassis has been designed and manufactured to provide superior corrosion protection, only proper care will keep your firearm in good operating condition and maintain its appearance. After extensive use, the protective coating on plated parts may be worn sufficiently to reduce corrosion protection. Such worn parts should be recoated or replaced to assure the integrity of the corrosion protection.

WARNING! After each use, follow the lubrication and maintenance direction in rifle instruction book. If the firearm is immersed in water, it must be thoroughly cleaned and lubricated as soon as possible. In case of saltwater immersion, first flush all parts with fresh water, then dry, clean and lubricate the firearm. If the firearm does not function properly, have it corrected by a gunsmith before further use. Failure to follow this warning may lead to firearm malfunctions which could result in serious personal injuries or death.

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CUSTOMER WARRANTY

MDT Inc warrants its TAC21 product to be free from defects in materials and workmanship.

MDT Warranty is applicable to the original or initial purchaser only and it is effective from the date of purchase and lasts for one full year. Performing modifications/alterations to the product will void its warranty.

Out of professional courtesy we will not deal with third parties: if you purchased and/or received our products from someone (DEALER) other than MDT please have them contact us directly.

Any such defects of which MDT Inc receives written or electronic notice during the term of this warranty will be remedied by MDT without charge, within a reasonable time after such notification and delivery of the product as provided below. Warranty issues or claims from a third party purchaser will be considered on a case-by-case basis.

IMPORTANT: MDT INC. 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.

Problems and Warranty Claims:

If you experience a problem with your TAC21 chassis system that cannot be resolved with MDT over the phone, through our website or with your MDT Certified Dealer or other authorized dealer, please return your chassis to your local dealer along with your contact information. MDT will repair, or replace the parts, at our own discretion.

Warranty claims should state the model of the product concerned, a statement of proof that you are the original purchaser, all necessary email and voice contact information, and a description of the difficulty experienced.

MDT will accept no responsibility for loss or damage in transit. MDT will pay shipping and insurance charges for return to the owner **ONLY** if the claim is covered by the warranty. MDT will send you an estimate for the cost of any non-warranty repairs prior to performing repair services.

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.

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UNDER NO CIRCUMSTANCES SHALL MDT INC. 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.

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