



**WHITE
MUZZLELOADING**

Performance Others Can Only Shoot For

DG SERIES

Y J KVG'VQO K CVQT'

''Y J KVGNK J VPKI

''''''''''UJ QVI WPU''



WHITE TOMINATOR, WHITELIGHTNING, BG- SERIES SHOTGUNS

OFFICIAL INSTRUCTION MANUAL

SAFETY WARNINGS:

White shotguns are powerful firearms and proper care should be taken so that injuries and accidents do not occur.

- CAREFULLY READ THIS INSTRUCTION MANUAL
- ALWAYS ASSUME THE SHOTGUN IS LOADED AND POINTED IN A SAFE DIRECTION
- ALWAYS USE THE DUAL SAFETY SYSTEMS
- USE ONLY FFg OR FFFg BLACKPOWDER OR BLACK POWDER SUBSTITUTES
- NEVER USE "SMOKELESS" PROPELLANTS.
- ALWAYS WEAR HEARING AND EYE PROTECTION
- ALWAYS BE SURE THAT WADS, SHOT CUP, SHOT, AND TOPWAD ARE SEATED FIRMLY ON THE POWDER CHARGE
- ALWAYS BE SURE OF YOUR TARGET

DO NOT DISREGARD THESE WARNINGS AND INSTRUCTIONS! TO DO SO WILL ENDANGER YOUR HEALTH AND SAFETY AND THE HEALTH AND SAFETY OF OTHERS, MUZZLELOADING RIFLES ARE DANGEROUS FIREARMS. FAILURE TO COMPLY WITH THESE INSTRUCTIONS AND PRACTICING SAFE FIREARM HANDLING TECHNIQUES CAN CAUSE DEATH OR SERIOUS INJURY TO THE SHOOTER AND/OR BYSTANDERS.

White Rifle shotguns, (Tominator and White Thunder) are unique, with many technological improvements over ordinary muzzleloading shotguns. If loaded as directed, they will produce first-shot patterns of better than 90% as measured in a 30-inch circle at 40 yards. They make excellent lightweight, hard-hitting, turkey and upland game shotguns.

These shotguns are based on the White BG-Series inline action, which is a larger version of the White G-Series action used on our G-series inline rifles. They share the same attributes of the G-Series action guns; with extremely fast lock time, a primary trigger safety, and a secondary hammer safety. They are also quick and easy to clean at home or in the field. The White Muzzleloading System integrates the barrel, action, shot column, and stainless steel nipple/breechplug into a strong, tight patterning yet safe muzzleloading firearm. The stock on the Tominator is a handsome shadow black laminate or black hardwood with a 14-

inch length of pull over an inch thick recoil pad. Each stock is equipped with sling swivel studs and a broad English butt and is designed and manufactured to distribute and reduce felt recoil. This superb design characteristic allows for a light 61b. shotgun without punishing felt recoil.

All White muzzleloading shotguns feature a ventilated rib for an unmatched sighting plane and precise pattern placement. They also include a straight rifled, non-glare blued barrel that can be used with lead, bismuth, Hevi-lead or steel shot. Our unique straight rifling prevents shot cup oscillation as the shot column travels down the barrel. This results in over a 10% increase in pattern density. The fully adjustable, match-grade trigger produces a crisp, light trigger pull, a sound on our high performance inline rifles. Our special screw-in interchangeable chokes have the advantage of fast/easy cleaning and replacement because of their specialized Acme threads that are adapted to dealing with black powder residues (ordinary choke threads have a tendency to gum up with black powder residues). Our chokes allow quick matching of pattern to quarry. All White chokes can be used with steel shot, loaded in proper plastic shotcups. For those wishing to use slugs, an open .730 choke matching the barrel internal diameter must be used.. Our chokes have the Hastings Acme-type threads that fit the Browning A-5 shotgun.

Our special Delrin ramrod features removable loading and cleaning jags for precise wad placement, loading, and easy cleaning. When either jag is removed, a screw is exposed for easy wad and shot cup removal when necessary.

SAFETY SYSTEMS

All White shotguns are equipped with two (2) separate safety systems. These safety systems completely lock the sear and hammer. To engage these safeties, point your shotgun in safe direction. Using your thumb, pull the primary safety located on the right rear side of the receiver, rearward toward the butt stock. This is the primary "SAFE" position. Now grasp the hammer cocking lever located on the left side of the action and pull it firmly to the rear until it catches. The shotgun is now cocked. To place the hammer cocking lever in the secondary safety position, push the hammer cocking lever from the cocked position upward until it stops in the safety cutout on the receiver. This is the secondary "SAFE" position. To disengage these safeties, point your shotgun in a safe direction, grasp the cocking lever, and push it downward in the "COCKED/FIRE" position. Then, use your thumb to push the primary safety forward toward the muzzle. The shotgun is ready to FIRE!

LOADS

White shotguns can be loaded without removing the choke tube if proper components are used. Quick and easy loading will enhance the hunter's chance of success in the field. The White Shooting System allows the shooter to match loading components and choke tubes for superior performance. The tapered White PowerCup can be loaded with White choke tubes installed, even the tightest .665 turkey choke. Ordinary non-tapered plastic shot cups may be difficult or impossible to load in the tighter choke tubes. For example, a Remington Power Piston will not go through any choke tube tighter than improved cylinder. However, You can still expect 60 to 70% patterns with that choke and plastic shot cup, making it an effective combo for upland game.

The secret to tighter patterns is using our tapered plastic PowerCups. They have been especially designed to be used with the White muzzleloading shotgun and choke system. The White PowerCup can be pushed through our tightest .665 choke with the ramrod or a short starter. The PowerCup comes without ready-made petals (most brand have deeply molded petals), so features the flexibility of choosing your pattern density by cutting your own petal configuration into the cup. A grid has been molded into the cup to guide your petal cut placement. We recommend cutting the petal with a knife as deeply as needed for the pattern density desired. For example, a turkey load needs a cut \hat{A} ½ inch deep, while an upland game load requires a full inch.

SUGGESTED LOADS:

WARNING! USE ONLY RECOMMENDED POWDERS. ALL POWDER GRAIN WEIGHTS IN THIS MANUAL ARE IN VOLUME EQUIVALENT.

Light field load: 80-90 gr. of black powder or an appropriate black powder substitute, 2 1/8 inch wool felt PowerWads, a White PowerCup or other 12ga. plastic shot cup, 11/8 to 1 \hat{A} ¼ oz. lead or equivalent substitute shot, topped with a card top wad. Velocity will be approximately

1100 FPS - good for upland game, field sports, and general shooting. Flet recoil should be light, pattern should approximate 60 to 70% with improved cylinder or modified chokes.

Heavy field load: 90-110 gr. of black powder or an appropriate black powder substitute equivalent by volume, 2 each 1/8 inch wool felt PowerWads, a White PowerCup or Winchester AA plastic shot cup, 11/4 to 11/2 oz. lead or substitute shot, with card top wad. Good for large upland game, waterfowl, and handicap sport shooting. Flet recoil should be moderate; Pattern should approximate 65 to 75% with modified or full chokes. Use the modified choke with the Winchester AA Plastic shot cup, it will not load through the tighter .690 full choke.

Magnum load: 100-110 gr. of black powder or an appropriate black powder substitute equivalent by volume, two 1/8 inch yellow woven wool PowerWads, a White PowerCup cut with 1/2 inch deep petals, 11/4 to 11/2 oz. lead or substitute shot, followed by a 1/8 inch yellow woven wool PowerWad. This load is excellent for turkeys, geese, and small predators. Flet recoil will be firm; Pattern will approximate 80 to 90% with full or super full chokes.

WARNING! THE MAXIMUM LOAD FOR WHITE SHOTGUNS IS 120 GRAINS OF BLACK POWDER OR AN APPROPRIATE BLACK POWDER SUBSTITUTE EQUIVALENT BY VOLUME. NOTE: SOME POWDERS, SUCH AS HODGDEN'S TRIPLE 7, REQUIRE BACKING THE VOLUMETRIC POWDER CHARGE OFF BY 15% BECAUSE OF HIGHER BURNING PRESSURES. MAKE SURE YOU ARE FAMILIAR WITH YOUR CHOICE OF POWDER AND THE MANUFACTURER'S RECOMMEND LOADS!

NEVER USE SMOKELESS POWDER

LOADING STEPS:

WARNING! BEFORE LOADING THE SHOTGUN, CHECK THE BARREL FOR CLEANLINESS AND OBSTRUCTIONS!

1. Make sure the shotgun is NOT loaded. Drop the ramrod down the barrel. It should be flush or protrude slightly from the muzzle if no load is present.
2. Make sure the shotgun will fire. One way is to place a patch on the cleaning jag and push it all the way to the breech of the barrel. Leave the patch & ramrod in the barrel, then cock the shotgun and engage the safeties. Place a #11 percussion cap on the nipple. Point the muzzle in a safe direction with the muzzle up. Disengage the safeties and fire the cap. Remove the patched ramrod/cleaning jag from the barrel. The patch should be charred and perhaps oily. This tells you that the nipple is clear and that the patch has absorbed any residual oil, lube or cleaning solvent.
3. An alternative method is to fire a squib load. A squib load is a powder only load, which fouls the bore and clears the barrel and breech. NEVER LOAD WADS OR SHOT WHILE FIRING A SQUIB LOAD. Pour 20 grains by volume of black powder or substitute down the muzzle. Cock the rifle and engage the safeties. Place a #11 percussion cap on the nipple, point the rifle into the air, disengage the safeties, and fire. YOU MUST FIRE A SQUIB LOAD BEFORE LOADING A REVIOUSLY CLEAN BARREL!
4. Proceed to load the shotgun by first putting both safeties into the "SAFE" position.
5. Place the butt stock of the shotgun on the ground, then pour a previously measured charge of black powder or an appropriate black powder substitute by volume down the muzzle.
6. Place two 1/8 inch yellow woven PowerWads flat on the muzzle and gently push them down the barrel onto the powder while keeping the wads flat. Firmly seat the wads on the powder charge by applying approximately 25 lbs of pressure on the end of the ramrod.
7. Now ram the PowerCup plastic shot cup through the choke with the ramrod, (you may need to reverse the ramrod and use the small end) down onto the two yellow woven wads. Remember to first cut the shot cup at least 1/2 inch deep in three or four petals to spread the shot for a good pattern. It is best to cut your shot cups at home for eventual speedy loading while in the field.
8. Follow the PowerCup with the chosen charge of shot.
9. Now top the PowerCup filled with shot with a 1/8th inch yellow woven wool PowerWad or card topwad to hold the shot in place. Be sure to keep the wad flat while loading. Firmly seat the shot column onto the powder charge but do not thump it with the ramrod.
10. Cap the nipple with a #11 percussion cap (we recommend using RWS #11 percussion caps). The shotgun is now loaded and ready to fire!

WARNING! NEVER CARRY A CAPPED AND LOADED SHOTGUN WHILE IN A VEHICLE, RIDING A MOTORCYCLE OR HORSE (EVEN IF THE SHOTGUN IS IN A SCABBARD), WHILE CLIMBING STEEP TERRAIN, OR INTO A TREE STAND.

NEVER CAP THE SHOTGUN UNTIL YOU ARE READY TO SHOOT.

DISASSEMBLY

1. Remove and disassemble the hammer assembly from the receiver: disengage the safeties and lower the hammer onto the nipple. Unscrew the end cap at the rear of the receiver by unscrewing it counterclockwise and remove. WARNING! THE END CAP IS UNDER TENSION FROM THE

HAMMER SPRING. REMOVE THE END CAP CAREFULLY Pull the hammer spring and detent from the action and remove. The cocking lever retaining detent should come out with the hammer spring. Grasp the cocking lever and pull it straight out (to the left) of the hammer. While pulling the trigger, push the hammer backwards through the receiver (NOTE: the hammer cocking lever can be used to help push the hammer out of the back of the receiver). Grasp the hammer as it appears from the back of the receiver and remove.

2. Remove the nipple-breechplug from the action by placing White's EasyOut breechplug wrench on the nipple-breechplug hex nut and turn counterclockwise (NOTE: a 3/8 inch socket and 6 inch extension or a 3/8 box end wrench may also be used in place of the breechplug tool). Remove the nipple-breechplug from the action cut out. When replacing the nipple-breechplug into the barrel, make sure you apply White's SuperBlue nipple/breechplug grease to the threads and tighten finger tight only! **DO NOT OVER-TIGHTEN THE NIPPLE-BREECHPLUG.**
3. Remove the barreled action from the stock by first removing the ramrod, then by removing the action screw located at the mid fore stock. The barreled action can now be lifted out of the stock.
4. Remove the trigger by turning the barreled action upside down and using a 5/32 Allen wrench to turn the trigger assembly retaining screw counterclockwise and remove. The trigger assembly retaining screw is located toward the muzzle end of the trigger assembly.
5. To reassemble, follow steps 1 - 4 in reverse order. Do not attempt to remove the barrel from the action and never alter the primary or secondary safeties. These items should only be repaired at the factory.

CLEANING

1. After disassembly, all small parts which are coated with powder residue should first be soaked in White's WipeAway Cleaning Kit (NOTE: Do not let parts soak over night).
2. Using White's WipeAway pre-saturated cleaning patches, place a patch on the ramrod cleaning jag and work the patch back and forth the full length of the barrel. Repeat this step until the barrel is sparkling clean. You will have to remove the choke first. Use a WipeAway patch and/or toothbrush to clean the action thoroughly, especially around the breech area.
3. Follow the instructions in Step 2, substituting a dry patch in place of the pre-saturated patch. This procedure will remove any left over moisture in the barrel and action. After drying, apply White's water displacing oil to a dry patch and work it back and forth the full length of the barrel. White's displacing oil should also be applied to the outside of the barrel and action to lubricate and protect the finish.
4. Use a toothbrush and/or some WipeAway patches and scrub each part that has been soaking. Make sure all powder residue is cleaned off. Dry each part and lubricate with White's water displacing oil.
5. Special attention should be given to the trigger, since it is not made of stainless steel and is more subject to rust and corrosion. Inspect the trigger for function and lubricate the sear, trigger, and safety plate. If hunting in inclement conditions, lubricate the trigger assembly often. Make sure to protect the trigger from rust and corrosion.

WARNING! RUST AND CORROSION CAN CAUSE THE TRIGGER TO FAIL, THEREBY CAUSING THE FIREARM TO MALFUNCTION, WHICH MAY CAUSE SERIOUS INJURY OR DEATH TO THE SHOOTER AND/OR BYSTANDERS.

Now that your shotgun is clean, you can reassemble your shotgun by reversing the disassembly steps. Before replacing the breechplug, be sure to grease the threads with our SUPER BLUE nipple/breechplug grease. The blue moly anti-seize polymers in our grease allows for easier removal and cleaning while at home or in the field. It also prevents excessive blowback while firing. When installing the nipple/breechplug into the barrel, tighten and snug finger tight only. **DO NOT OVER-TIGHTEN THE NIPPLE/BREECHPLUG!**

After assembly is complete, inspect the action, trigger, ramrod and stock for function and finish. Lightly coat the exterior of the shotgun with White's water displacing oil, or for extended storage periods coat the shotgun with a film of White's PoweLube. Keep your White shotgun stored in a cool, dry place out of the reach of children. Never store it in a gun case. Your shotgun is now clean and ready for your next hunting or shooting adventure.

HELP-LINE:

While White Muzzleloading Systems is leading the Industry In muzzleloading technology, we do not want to lose touch with our customers. If you need a Dealer or Distributor near you, have a recommendation, question or need to place an order, please call our Customer Service Department Toll Free (800) 213-1315. For Warranty Service call the same toll free number and ask for the Warranty Department. For your convenience we have a 24 Hour Fax Line (435) 722-3054. We are open Monday through Friday 8:00 A.M. to 5:00 P.M. Mountain Time. During Lunch and after hours an answering machine will answer your calls for your convenience. Please leave your name, number, nature of the call and best time to reach you. Our customer Service Representatives return calls promptly.

Remember the number (800) 213-1315.

"Dedicated To The Hunters And Sportsmen Who Care About The Wildlife They Pursue."



The ABC's of Muzzleloading Hunting

Accuracy - You can hunt confidently knowing your White rifle was designed for accuracy and built for the "Perfect Shot"

Ballistics - White's SUPERSLUG and BUCKBUSTER Bullets will put superior ballistic principles to work for you afield for cleaner kills.

Conservation - White Rifles, Bullets and Accessories are designed to reduce wounding loss, thereby preserving the future of our precious wildlife resource.

WHITE SHOOTING SYSTEMS, INC.

P.O. Box 277

1099 East Highway 40

Roosevelt, UT 84066

Phone: (800) 213-1315 or (435) 722-3085

Fax: (435) 722-3054