

BUSH RANGER

BOLT ACTION
SPORTING RIFLE

INSTRUCTION MANUAL



Precision made in china by

NORINCO

Exclusive world-wide distributor:

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SPECIFICATIONS

The Norinco Bush Ranger sporting rifle is a rear-locking, 90° turn-bolt action, with a detachable box magazine, specifically engineered to suit the cartridges employed. This rifle has been designed primarily as a hunting rifle for small and medium game, under most conditions, and is drilled and tapped to suit a wide selection of commonly available telescopic sight mounts.

CALIBRE	7.62X39mm or 223 Remington(5.56 Nato)
FEED SYSTEM	5 shot detachable box magazine and 10 shot Magazine
BARREL LENGTH	535mm(21")
PULL LENGTH	380mm(15")
OVERALL LENGTH	1045mm(41")
WEIGHT(EMPTY)	2.75kg(6.1lb)approximately
TRIGGER	Fully adjustable
SIGHTS	None, drilled and tapped for scope mounts
STOCK	Walnut finished hardwood, cheek piece and swivel studs

AMMUNITION

This rifle is designed for use with factory loaded ammunition only. No warranty is expressed or implied when reloaded ammunition is used.

SAFETY PRECAUTIONS

- 1 Before using this rifle, thoroughly read and understand the contents of this brochure.
- 2 Thoroughly clean the rifle, taking particular care to remove all traces of oil and foreign matter from the chamber and bore. It is also a wise precaution, particularly when storing the rifle or using it in wet or rainy conditions, to put a strip of adhesive tape up the side of the barrel and over the muzzle to prevent the entry of water into the bore. This tip could dramatically increase the life of your rifle barrel.

- 3 Observe at all times the ten commandments of shooting safety:
- ▶ Always treat every firearm as if it is loaded.
 - ▶ Never point your rifle at anything you do not wish to shoot.
 - ▶ Check for bore obstructions.
 - ▶ Load your rifle only when ready to use it.
 - ▶ Identify your target.
 - ▶ Never fire at sound.
 - ▶ Never fire at movement.
 - ▶ Check your firing zone for a safe backstop.
 - ▶ Store firearms and ammunition safely.
 - ▶ Never mix drugs or alcohol with firearms.
- 4 Understand these rules before you go shooting.

LOADING AND FIRING

- 1 Open the bolt and check that the chamber is empty.
- 2 Remove the magazine by pulling the magazine catch rearward and withdrawing the magazine downward.
- 3 Insert cartridge base first under the magazine lips and slide to the back of the magazine. Repeat this procedure until the magazine is full.
- 4 Close the bolt and apply the safety catch by pulling it back toward the butt.
- 5 Insert the magazine firmly until it clicks home.
- 6 When ready to shoot, release the safety catch by pushing it forward, open the bolt and pull it fully to the rear, push forward and close and the rifle is now ready to fire.
- 7 If desired, the safety catch can be applied at this time and released when the shooter has attained a comfortable shooting position.
- 8 After carefully aligning the sights with the target, squeeze the trigger without violent movement to accurately release the shot. Repeat steps 6,7 and 8 for successive shots.

UNLOADING

- 1 With the rifle pointing in a safe direction and your finger away from the trigger, open the bolt and pull it to the rear, ejecting the cartridge from the chamber.
- 2 With the bolt left open, remove the magazine from the rifle.
- 3 Check again that the chamber is empty and close the bolt.
- 4 the cartridges may be removed from the magazine by stripping them forward from the feed lips one at a time until the magazine is emptied.
- 5 place the empty magazine back in the rifle.

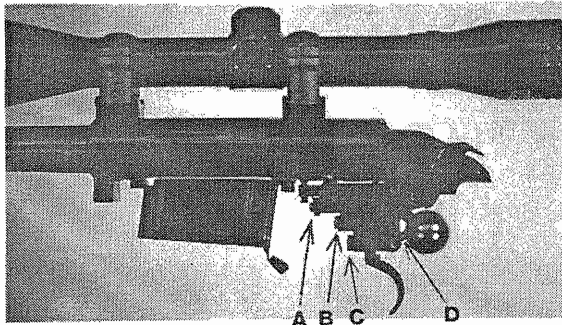


FIELD STRIPPING

- 1 Ensure that the rifle is unloaded and remove the magazine.
- 2 Withdraw the bolt to the rear and depress the bolt release on the left side of the action whilst pulling the bolt free of the rifle.
- 3 For cleaning purposes, this is all the stripping that is necessary and the barrel and chamber may now be cleaned with a good quality powder solvent and a cleaning rod, in accordance with the manufacturer's instructions.
- 4 Reassemble in reverse order.

ADJUSTMENTS

The trigger and safety mechanism on this rifle is fully adjustable, as illustrated.



- A Trigger weight adjustment screw. Slacken lock nut and adjust inner screw clockwise to increase trigger pressure, anti-clockwise to decrease trigger pressure. Re-tighten lock nut when desired trigger pressure is reached.
- B over-travel adjustment screw. This screw adjusts the amount of free trigger movement after the sear has been released. Insufficient adjustment of this screw will prevent the rifle from firing, whilst excessive adjustment is detrimental to a clean trigger pull. Adjust as above, clockwise to decrease over-travel, anticlockwise to increase over-travel.
- C Sear engagement adjustment screw. This screw adjusts the amount of engagement between the trigger and the sear. Too little engagement can cause the rifle to fire accidentally and without warning, whilst too much adjustment gives a poor trigger pull. Adjust as above, checking frequently for safe trigger engagement. Clockwise adjustment decreases sear engagement, anti-clockwise increases sear engagement.
- D Safety catch adjustment screw. It is imperative that this screw is correctly adjusted after making any adjustments to the trigger mechanism. Turning this screw clockwise tightens the safety catch engagement, anti-clockwise frees it. The trigger must constantly be tested with the rifle cocked and unloaded while this adjustment is made until positive safety catch engagement is achieved.

BECAUSE OF THE CRITICAL NATURE OF THESE ADJUSTMENTS, IT IS RECOMMENDED THAT THEY ARE MADE BY A COMPETENT GUNSMITH.

MAINTENANCE

- 1 Before firing, wipe out the bore to remove any oil,dust or foreign objects.
- 2 After firing, field strip the rifle and clean the face of the bolt, and the bore,with a good quality powder solvent.
- 3 Some ammunition, particularly 7.62X39mm, has corrosive primers which deposit a rust-forming salt in the bore. If you suspect corrosive primers have been used, the only effective solution is to pour at least one litre of boiling water through the barrel. A funnel fitted in the chamber may be necessary to avoid burning your hands.Allow the barrel to cool,dry thoroughly and then clean with a good quality powder solvent. Following these instructions, the use of corrosive primed ammunition will have no detrimental effect on the rifle.
- 4 Wipe over all external metal surfaces with a lightly oiled cloth to remove any traces of moisture and finger marks.
- 5 stock oil or wax-based furniture polish may be used sparingly on the stock to keep it in good order.
- 6 To preserve the life of the magazine spring, unload the magazine when it is removed from the rifle. Long-term storage or loaded magazines can cause spring failure.

BALLISTIC DATA

7.62X39mm-123 grain bullet -2365 feet per second-1572 foot pounds of energy.

RECOMMENDED USES

Red Deer,Wild Pig,Large Kangaroos, to 150 metres.

Fallow,Whitetail and other small Deer,Foxes, Wallabies, Kangaroos, Goats and all smaller game, to 200 metres.

.223 Remington-55 grain bullet-3240 feet per second-1280 foot pounds of energy.

RECOMMENDED USES

Fallow, Whitetail and other small Deer, Foxes, Wallabies, Kangaroos, Goats and smaller Pigs, to 200 metres.

Hares, Rabbits and other small game, to 300 metres.