

NEW BOLT ACTION RIFLE ITEMS TO IMPROVE UPON

09-MAR-1988 10:38:54 AM

NBAR PROBLEM	ALTERNATIVES
*Mag. box has vertical play at the rear within the magazine well.	*Put a stop surface on receiver to bias box downward at rear. *Form geometry in rear of box which will stop on top rear of mag. well. *Form geometry at bottom front of box to stop downward rotation.
*Mag. latch is hard to operate.	*Reduce line contact on finger through redesign of finger piece. *Lighten latch spring. *Lower latch spring position on latch (closer to pivot). *Cut away material from the trigger guard at the trigger piece area.
*(Trig. gd. + box) height varies w / respect to receiver in final assembly.	*Use spacer tube(s) between trig. gd. and receiver through which take down screws pass.
*Mag follower tips sideways: reduced capacity	*Add leg to side of follower at front.
*Cartridge may sometimes be made to stay down at the rear, thereby causing bolt override.	*Move mag. spring force rearward by shortening length of spring so that it just wraps around the front of the boss and is more rearward on the follower bottom.
*Mag. latch will hold box in mag. well even when latch is not in the full latch position	*Bevel top front edge of box so that latch pushes downward on box.

RAJ

- Change follower dimensions
- Modify trig. gd. drawing and give request to model shop
- Modify stock drawing.
- Change mag. spring drawing and purchase req. to Com. Spring