

Dec. 31, 1975

DRAFTFIELD SERVICE MANUAL788- 580, 581, 582 OLD STYLE

1. The safety plunger can bind and make the safety inoperative. The safety is moved from on safe to off safe if the plunger is binding. The trigger cannot be pulled to release the firing pin, as the gun will act as if it is still on safe. If this condition exists, the fire control housing should be replaced.
2. If the 788, 580's, 540X, 540XR & 541S have a follow down condition, the fire control housing should be removed by backing off tension on holding screw and driving out holding pin. The assembly should be checked (watch for sear spring when assembly is removed as it is compressed and could easily be lost) for foreign material between the sear and bottom of receiver. The material can wedge in this area and hold the sear down giving the follow down condition.
3. The safety engagement can be checked on the 580's and 788 (live ammo. blocked trigger safety) by putting the rifle on safety (with stock removed) looking through sear engagement inspection hole in the side of the fire control, pulling the trigger and seeing how much engagement remains, there should be at least 1/2 of the notch engagement, if not replace fire control housing and recheck safety engagement.
4. Every time the stock is removed and reassembled, the rifle should be checked to make sure there is clearance around the safety lever and between the trigger and trigger guard and stock.

Dec. 31, 1975

DRAFTFIELD SERVICE MANUAL788 - 580, 581, 582 OLD STYLE - (Cont.d)

5. When reassembling the fire control the unit should be tight to the receiver and the tightening screw should be staked.
6. All safeties should have positive detent action, that is, the gun's safety should have two disassemble points (on safe, fire). If safety is not positive, check parts involved, if safety cannot be corrected to give positive detent, then the fire control should be replaced.
7. When fire control assembly is removed check for dried oil build up on parts, if any, remove with solvent. Inspect parts and reassemble to fire control. Check for freeness of sear and hammer in assembly, check for tightness of pins and safety screw. A dry lubricant should be used in fire control area.

JPL:bd

Ilion Research Division