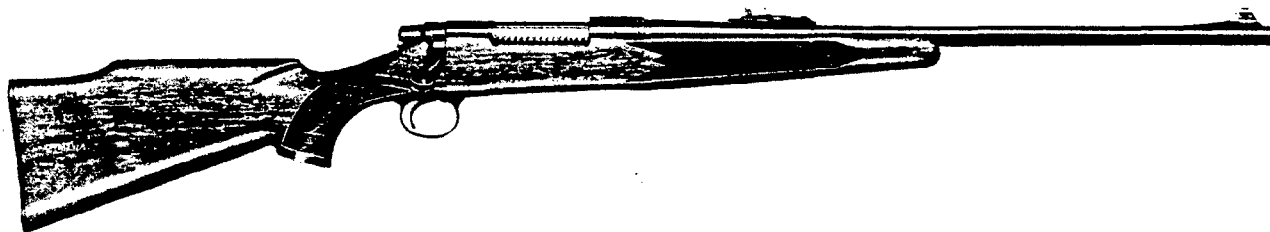


REMINGTON FIELD SERVICE MANUAL

The Remington Model 700 is a high power bolt action repeater available in a wide variety of center fire calibers. Two grades are supplied — ADL (standard) and BDL. Included in the BDL grade is the Model 700 VARMINT — an extremely accurate rifle expressly designed for the high velocity "varmint" calibers.



The owner's manuals RD 5461 and RD 6664 (L.H.) are packaged with each new rifle. Manuals may also be obtained from the retailer or dealer. These manuals outline operating instructions, instructions for care and maintenance of the rifle and complete parts lists and exploded views.

When handling rifle for servicing or shipping make certain rifle is empty with no rounds in magazine or chamber.

Unless described otherwise, parts are interchangeable with no factory adjustment required.

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Send all guns for factory service and inquiries on
service and parts to

REMINGTON ARMS COMPANY, INC.
Arms Service Division
Ilion, New York 13357

All other inquiries are to be addressed to

REMINGTON ARMS COMPANY, INC.
Bridgeport, Connecticut 06602

BOLT FINAL ASSEMBLY

To Disassemble — With safety forward on FIRE position, lift bolt handle and pull rearward until action is halted by bolt stop. Press upward on bolt stop release — located in front of trigger and remove bolt final assembly from rifle.

To Service — Selective assembly at factory is required for replacement of bolt assemblies. However, firing, cocking, extractor and ejection parts are interchangeable and may be replaced with no factory adjustment required.

To Reassemble — With safety forward, insert bolt final assembly into rifle, push forward as far as possible and lower bolt handle. **Note:** Bolt must remain cocked to install. If uncocked, firing pin head will be recessed well inside bolt plug. To cock bolt, clamp firing pin head firmly to prevent movement and turn bolt with handle. Continue turning bolt handle until cocking notch on rear engages firing pin head. Bolt is then cocked and may be installed.

BOLT FINAL ASSEMBLY — COMPONENTS: Includes bolt assembly, ejector, ejector pin, ejector spring, extractor, extractor rivet, firing pin assembly. Firing pin assembly includes bolt plug, firing pin, firing pin cross pin, firing pin head and main spring.

EJECTOR — EJECTOR PIN — EJECTOR SPRING (in bolt assembly)

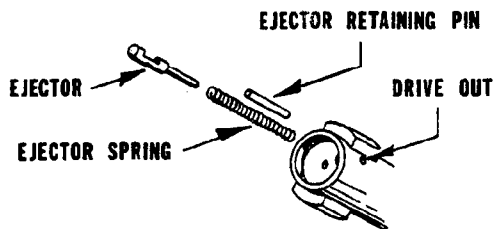


FIG. 1

To Disassemble — With bolt final assembly removed from rifle, drive out ejector pin and pull ejector spring from bolt. (See Fig. 1).

To Reassemble — Insert ejector spring and ejector into bolt. Push ejector and hold against tension of ejector spring. Align ejector pin slot in ejector to pin hole in bolt and drive in ejector pin.

Note: Assembled ejector must work freely in bolt for proper ejection.

EXTRACTOR — EXTRACTOR RIVET (in bolt assembly)

To Disassemble — Disassemble ejector and ejector spring from bolt.

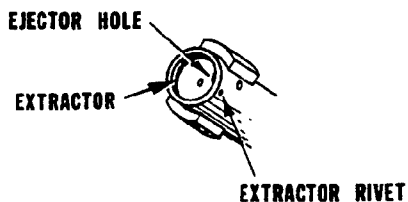


FIG. 2

Drive extractor rivet from bolt. (See Fig. 2). Dislodge and remove loosened extractor from inside bolt rim.

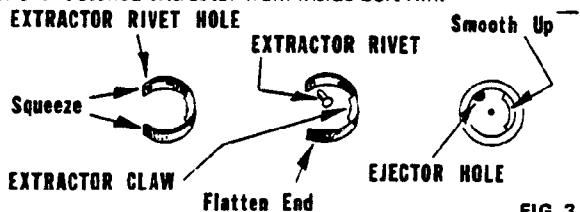


FIG. 3

To Service — Parts are interchangeable. Extractor rivet will most likely be damaged when driven from bolt and replacement rivet should be used in reassembly.

To Reassemble — Adjust replacement extractor for proper tension before reassembly as follows: Squeeze ends of extractor together slightly. (See Fig. 3). Straighten tail of extractor. (See Fig. 3). Place extractor inside rim in bolt face. Align hole in extractor with rivet hole in bolt. Insert extractor rivet.

Note: If original disassembled extractor is reassembled, adjustment for proper tension before reassembly may not be necessary.

Place support inside of bolt rim and against head of rivet. Peen over protruding end of rivet to tighten extractor in bolt. Reassemble ejector. Smooth up peening to blend with outside of bolt. Check extractor for proper tension using a fired case. Extractor must grip case firmly and hold case when breech is held face downwards.

If fired case is gripped too tightly (case snaps free with difficulty) tap extractor back under bolt rim using a soft metal punch. Test with fired case. Repeat, if necessary, until gripping pressure of extractor is satisfactory.

If fired case is gripped too loosely (case falls away when bolt is held face downward) extractor must be pulled from under rim to increase tension against case. Disassemble, if necessary, and rebend extractor as indicated in Fig. 3.

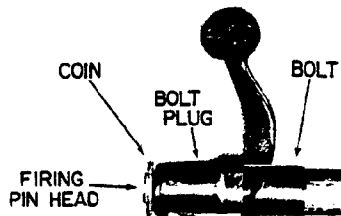
After tension has been adjusted satisfactorily, smooth up incline on extractor to match perfectly to breech bolt rim. (See Fig. 3).

Note: An earlier design, in 222 caliber, incorporated a "snap in" type extractor requiring no rivet. These may easily be disassembled and reassembled by inserting pointed tweezers into holes provided in ends of extractor and compressing ends together. When reassembling, hook on extractor should face bolt.

FIRING PIN ASSEMBLY FROM BOLT ASSEMBLY

To Disassemble — Remove bolt final assembly from rifle. Pull firing pin head rearward until coin or washer can be inserted into slot near back edge of firing pin head. (See Fig. 4). Unscrew and remove firing pin assembly from bolt assembly.

FIG. 4



To Service — Firing pin assembly is interchangeable and may be replaced as a unit with no factory adjustment required. Replacement of bolt assembly requires selective assembly for proper function.

To Reassemble — Follow reverse order.

FIRING PIN ASSEMBLY — COMPONENTS: Includes bolt plug, firing pin, firing pin cross pin, firing pin head, main spring.

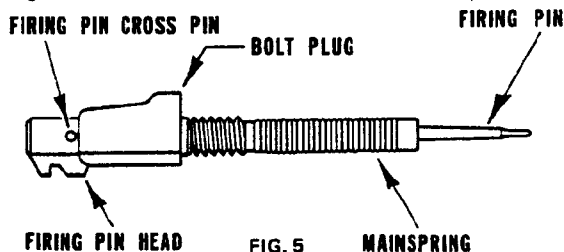


FIG. 5

To Disassemble — (with firing pin assembly removed from bolt).

Caution: Main spring is under compression. Disassembly of this unit is **not recommended** unless necessary for replacement of damaged parts. Suitable holding means must be used to prevent firing pin and / or firing pin head from flying free when cross pin is driven out.

Compress mainspring until firing pin cross pin is exposed. Hold firing pin and firing pin head securely and drive out cross pin. (See Fig. 5). Release parts carefully and disassemble.

To Service — All parts in firing pin assembly are interchangeable with no factory fitting required. However, if replacing firing pin, a hole drilling operation in shank of firing pin is necessary. To do this, use a No. 42 size drill (.093).

Assemble shank of replacement firing pin into firing pin head. Make sure recess in head is clean and free of any obstructions. Seat shank of firing pin firmly onto firing pin head. Align drill through cross pin hole in firing pin head. Drill through firing pin shank.

To Reassemble — Reassemble all parts of firing pin assembly. Hold bolt plug against tension of reassembled main spring. Insert firing pin cross pin through firing pin head and shank of firing pin. Release tension on bolt plug.

REAR SIGHT ASSEMBLY (Includes rear sight aperture, rear sight base, rear sight base screw (2), rear sight slide, elevation screw, windage screw).

To Disassemble — Unscrew windage and elevation screws and remove rear sight aperture and rear sight slide from base. Unscrew and remove rear sight base screws and rear sight base.

To Reassemble — Follow reverse order. All parts are interchangeable.

FRONT SIGHT HOOD (BDL Grade only)

To Disassemble — Pry bottom ears of hood apart slightly until hood can be slid forward and away from front sight base.

To Service — Interchangeable on all BDL grade front sight ramps. No factory adjustment required.

To Reassemble — Follow reverse order.

FRONT SIGHT

To Disassemble — Drive front sight out of front sight ramp from left to right. To prevent damage to sight a soft metal punch should be used.

To Reassemble — Follow reverse order.

FRONT SIGHT RAMP

To Disassemble — Unscrew and remove front sight ramp screws and front sight ramp.

To Reassemble — Follow reverse order.

TRIGGER GUARD (ADL Grade)

To Disassemble — Unscrew and remove trigger guard screws and disassemble trigger guard from stock.

To Reassemble — Follow reverse order.

TRIGGER GUARD ASSEMBLY (BDL Grade)

To Disassemble — Remove bolt assembly. Unscrew and remove front and rear guard screws. Lift loosened stock assembly from trigger and disassemble trigger guard from stock assembly.

Note: To remove magazine follower and spring (assembled to floor plate) unlatch floor plate. Lift folded end of spring upward, pull back and disassemble from floor plate.

To Reassemble — Follow reverse order. Tighten screws firmly.

TRIGGER GUARD ASSEMBLY — COMPONENTS (BDL Grade)

Includes floor plate, floor plate latch, floor plate latch pin, floor plate latch spring, floor plate pivot pin, trigger guard.

To Disassemble — Drive out floor plate pivot pin and remove floor plate from trigger guard.

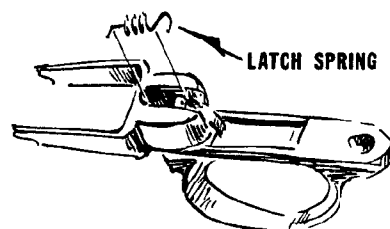


FIG. 6

Caution: Pivot pin is tight fitting. Support trigger guard properly to prevent damage to front section.

Unhook rear of floor plate latch spring from floor plate latch and front end of spring from trigger guard. Remove spring from guard (See Fig. 6)

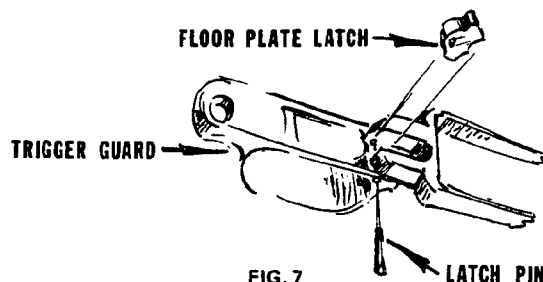


FIG. 7

Drive out floor plate latch pin — left to right and remove floor plate latch from trigger guard. (See Fig. 7).

To Reassemble — Follow reverse order. Floor plate should swing freely and latch properly.

MAGAZINE — MAGAZINE FOLLOWER — MAGAZINE SPRING

To Disassemble — Remove bolt final assembly. Remove trigger guard or (in BDL grade) trigger guard assembly. Remove stock assembly. Remove magazine follower and spring. Unscrew magazine tab screw (ADL grade only) and remove magazine. BDL grade magazines are disassembled by simply lifting from receiver.

To Reassemble — Follow reverse order.

BOLT STOP — BOLT STOP SPRING — BOLT STOP PIN

To Disassemble — Remove bolt final assembly and stock assembly. Drive out bolt stop pin and remove bolt stop and bolt stop spring.

To Reassemble — Place bolt stop spring in recess in bottom left side of receiver. Long end of spring should face forward with bent end facing outward. Place bolt stop in slot with contoured edge facing up and hole to rear. Align holes and drive in bolt stop pin. When bolt stop release is pressed bolt stop should pivot freely.

SAFETY ASSEMBLY

To Disassemble — Remove bolt final assembly, trigger guard or trigger guard assembly, stock assembly, magazine, magazine follower and spring. Drive out bolt stop pin and remove bolt stop and spring. Disassemble safety snap washer and safety detent spring. Drive out safety pivot pin and remove safety assembly and safety detent ball. (See Fig. 8).

Note: Trigger housing will pivot on sear pin when bolt stop pin is removed. Take care that sear spring (beneath sear safety cam) is not lost. Bolt stop release may also be removed at this time.

To Reassemble — Follow reverse order. Safety assembly and bolt stop should pivot freely.

Caution: Main spring is under compression. Disassembly of this unit is **not recommended** unless necessary for replacement of damaged parts. Suitable holding means must be used to prevent firing pin and / or firing pin head from flying free when cross pin is driven out.

Compress mainspring until firing pin cross pin is exposed. Hold firing pin and firing pin head securely and drive out cross pin. (See Fig. 5). Release parts carefully and disassemble.

To Service — All parts in firing pin assembly are interchangeable with no factory fitting required. However, if replacing firing pin, a hole drilling operation in shank of firing pin is necessary. To do this, use a No. 42 size drill (.093).

Assemble shank of replacement firing pin into firing pin head. Make sure recess in head is clean and free of any obstructions. Seat shank of firing pin firmly onto firing pin head. Align drill through cross pin hole in firing pin head. Drill through firing pin shank.

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REAR SIGHT ASSEMBLY (Includes rear sight aperture, rear sight base, rear sight base screw (2), rear sight slide, elevation screw, windage screw).

To Disassemble — Unscrew windage and elevation screws and remove rear sight aperture and rear sight slide from base. Unscrew and remove rear sight base screws and rear sight base.

To Reassemble — Follow reverse order. All parts are interchangeable.

FRONT SIGHT HOOD (BDL Grade only)

To Disassemble — Pry bottom ears of hood apart slightly until hood can be slid forward and away from front sight base.

To Service — Interchangeable on all BDL grade front sight ramps. No factory adjustment required.

To Reassemble — Follow reverse order.

FRONT SIGHT

To Disassemble — Drive front sight out of front sight ramp from left to right. To prevent damage to sight a soft metal punch should be used.

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To Disassemble — Unscrew and remove front sight ramp screws and front sight ramp.

To Reassemble — Follow reverse order.

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TRIGGER GUARD ASSEMBLY (BDL Grade)

To Disassemble — Remove bolt assembly. Unscrew and remove front and rear guard screws. Lift loosened stock assembly from trigger and disassemble trigger guard from stock assembly.

Note: To remove magazine follower and spring (assembled to floor plate) unlatch floor plate. Lift folded end of spring upward, pull back and disassemble from floor plate.

To Reassemble — Follow reverse order. Tighten screws firmly.

TRIGGER GUARD ASSEMBLY — COMPONENTS (BDL Grade) Includes floor plate, floor plate latch, floor plate latch pin, floor plate latch spring, floor plate pivot pin, trigger guard.

To Disassemble — Drive out floor plate pivot pin and remove floor plate from trigger guard.

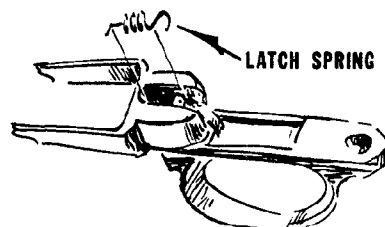


FIG. 6

Caution: Pivot pin is tight fitting. Support trigger guard properly to prevent damage to front section.

Unhook rear of floor plate latch spring from floor plate latch and front end of spring from trigger guard. Remove spring from guard (See Fig. 6)

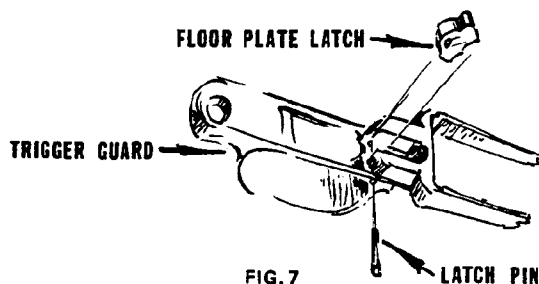


FIG. 7

Drive out floor plate latch pin — left to right and remove floor plate latch from trigger guard. (See Fig. 7).

To Reassemble — Follow reverse order. Floor plate should swing freely and latch properly.

MAGAZINE — MAGAZINE FOLLOWER — MAGAZINE SPRING

To Disassemble — Remove bolt final assembly. Remove trigger guard or (in BDL grade) trigger guard assembly. Remove stock assembly. Remove magazine follower and spring. Unscrew magazine tab screw (ADL grade only) and remove magazine. BDL grade magazines are disassembled by simply lifting from receiver.

To Reassemble — Follow reverse order.

BOLT STOP — BOLT STOP SPRING — BOLT STOP PIN

To Disassemble — Remove bolt final assembly and stock assembly. Drive out bolt stop pin and remove bolt stop and bolt stop spring.

To Reassemble — Place bolt stop spring in recess in bottom left side of receiver. Long end of spring should face forward with bent end facing outward. Place bolt stop in slot with contoured edge facing up and hole to rear. Align holes and drive in bolt stop pin. When bolt stop release is pressed bolt stop should pivot freely.

SAFETY ASSEMBLY

To Disassemble — Remove bolt final assembly, trigger guard or trigger guard assembly, stock assembly, magazine, magazine follower and spring. Drive out bolt stop pin and remove bolt stop and spring. Disassemble safety snap washer and safety detent spring. Drive out safety pivot pin and remove safety assembly and safety detent ball. (See Fig. 8).

Note: Trigger housing will pivot on sear pin when bolt stop pin is removed. Take care that sear spring (beneath sear safety cam) is not lost. Bolt stop release may also be removed at this time.

To Reassemble — Follow reverse order. Safety assembly and bolt stop should pivot freely.

CYCLE OF OPERATION

The operation cycle of the Model 700 follows the basic pattern of bolt action rifles. After firing, raising of bolt handle will unlock action. Pulling bolt rearward will open action and extract and eject any fired case or round that may be in chamber. Pushing bolt handle forward and down closes and locks action — completing the cycle. Each operation is described in sequence below:

FIRING

With action closed and locked and safety in forward or FIRE position, rifle can be fired by pulling trigger. Pulling or squeezing trigger moves trigger connector forward, leaving sear unsupported against cocked firing pin head. With support removed, sear is cammed down by pressure of spring-loaded firing pin and firing pin is driven forward to strike primer.

UNLOCKING

Raising of bolt handle unseats locking lugs on bolt head from recoil shoulders in receiver.

COCKING

Cocking takes place as bolt handle is raised. A cam at rear of rotating bolt forces firing pin assembly rearward, compressing main spring, and holding assembly in cocked position in a notch at rear of bolt. This engagement holds until bolt handle is lowered again during locking cycle. Engagement is then transferred to sear to cock rifle.

EXTRACTION

This phase of operation cycle consists of two parts referred to as (1) primary extraction, and (2) secondary extraction. Primary extraction occurs simultaneously with unlocking. The rim of case, being completely encased by bolt head, is gripped by a circular recessed claw-type extractor. During final upward throw of bolt handle, a primary extraction cam retracts bolt approximately 1/8" with a mechanical advantage of about 8 to 1, completing primary portion of this phase. Bolt lugs are now free of locking shoulders in receiver and bolt may now be moved to rear — completing second phase of extraction.

EJECTION

Within the bolt face, maintaining constant pressure on head of cartridge, is a spring-loaded ejector. As bolt is retracted and front edge of cartridge reaches ejection port, pressure, along with opposing grip of extractor, ejects cartridge from port. Rearward motion of bolt is arrested by bolt stop.

FEEDING

With bolt stopped in rearward position, topmost cartridge in magazine will be urged upwards by magazine spring. It is held in position until carried forward by bolt into loading cycle.

LOADING

In closing the action, bolt pushes cartridge from magazine into barrel chamber. Feeding lips on top of magazine guide cartridge until bullet enters chamber.

LOCKING

Rotating bolt handle downward locks cartridge in barrel chamber. Four engagements are made in this cycle: (1) Locking lugs on bolt head are engaged with recoil shoulders in receiver. (2) Head of cartridge is seated into bolt head, depressing ejector while extractor claw is snapped over rim of cartridge. (3) Sear engages and locks firing pin in a cocked position by action of (4) Sear being supported from beneath by connector. Rifle is now ready for firing by release of trigger.

SAFETY

The safety, located at right rear of receiver is operated by a push and pull action on the safety button. This two-position safety has two internal functions. When safety is rotated rearward, a cam is brought into position beneath sear safety cam. This locks cam against firing pin and prevents rifle from firing. Second function of safety in SAFE position ("S" marking) brings an arm into slot in bolt preventing bolt from being opened. Pushing safety forward to FIRE position "F" marking nullifies above conditions and rifle may be fired.

Over-Ride

- Cause:**
1. Magazine Follower binds.
 2. Damaged Follower Spring.
 3. Magazine Spring caught under Guard.
 4. Tabs on Follower bent.

- Correction:**
1. Adjust side angle on Magazine Box.
 2. Change Spring.
 3. Correct.
 4. Straighten or replace Follower.

Stems Chamber

- Cause:**
1. Sharp or rough Receiver Rails.
 2. Sharp edge — rear end of Chamber.
 3. Rough Ramp in Receiver.
 4. Magazine Box loose in Receiver.

- Correction:**
1. Polish or file.
 2. Remove sharpness.
 3. Polish Ramp.
 4. Adjust.

Bolt Closes Hard Over Shells

- Cause:**
1. Bolt interferes with shell rim.
 2. Extractor interferes with shell rim.
 3. Ejector binds or fails to retract far enough.
 4. Burr at Ejector Hole on Bolt.
 5. Sharp corners on Bolt Lugs.
 6. Extractor Rivet loose.

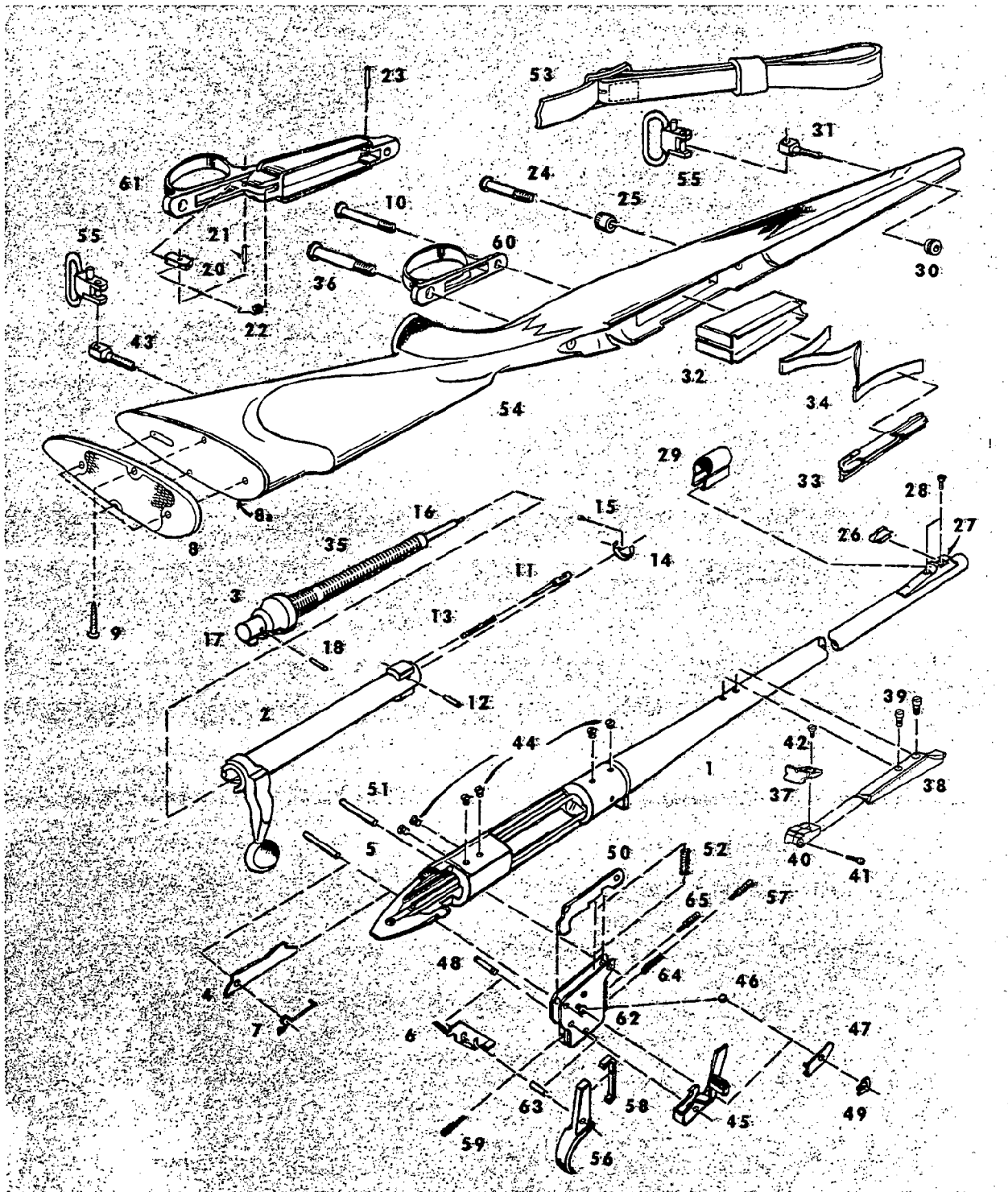
- Correction:**
1. Remove interference or change Bolt.
 2. Fit new Extractor (grind relief in new Extractor behind Claw).
 3. Free up or replace.
 4. Deburr.
 5. File radius.
 6. Tighten or replace Rivet.

Fails to Extract

- Cause:**
1. Tight, rough or oversize Chamber.
 2. Extractor broken or damaged.
 3. Not enough Hook space on Extractor.
 4. Height of Claw not correct.
 5. Extractor stuck back.

- Correction:**
1. Ream if tight or rough.
Change Barrel Assembly if oversize.
 2. Fit new Extractor.
 3. Fit new Extractor.
 4. Fit new Extractor.
 5. Replace Extractor.

View No.	Part No.	NAME OF PART	View No.	Part No.	NAME OF PART
NOTE: Basic 30-06 Caliber listed below. See Sectional View for proper identity of parts. See added page for other caliber part listings.			91017		Magazine Follower, BDL Grade
1		Barrel Assembly	15940		Magazine Tab Screw, ADL Grade
2		Bolt Assembly	34 17028		Magazine Spring
		Bolt Final Assembly	15677		Magazine Spring, BDL Grade
3 17012		Bolt Plug	35 17029		Main Spring
4 17013		Bolt Stop	36 26355		Rear Guard Screw
5 24475		Bolt Stop Pin	37 32510		Rear Sight Aperture
6 15478		Bolt Stop Release	38 32500		Rear Sight Base
7 15224		Bolt Stop Spring	39 28506		Rear Sight Base Screw (2)
8 90953		Butt Plate	40 90905		Rear Sight Slide
8a 90954		Butt Plate Spacer, BDL	41 90906		Elevation Screw
9 25380		Butt Plate Screw	42 90904		Windage Screw
10 15287		Center Guard Screw, ADL Grade	43 15358		Rear Swivel Screw, BDL Grade
11 17017		Ejector	44 17034		Receiver Plug Screw
12 17676		Ejector Pin	45 26585		Safety Assembly
13 17019		Ejector Spring	46 23222		Safety Detent Ball
14 14669		Extractor	47 15368		Safety Detent Spring
15 27340		Extractor Rivet	48 17043		Safety Pivot Pin
15376		Fastener, Sling Strap	49 17044		Safety Snap Washer
16 22020		Firing Pin	50 15666		Sear Safety Cam
17 22040		Firing Pin Assembly	51 24476		Sear Pin
18 17022		Firing Pin Cross Pin	52 17047		Sear Spring
20 15291		Floor Plate Latch, BDL Grade	53 30855		Sling Strap Assembly, BDL Grade
21 16451		Floor Plate Latch Pin, BDL Grade	26990		Sling Strap Assembly and Mountings Complete
22 16452		Floor Plate Latch Spring, BDL Grade	54 33366		Stock Assembly, ADL Grade
23 16453		Floor Plate Pivot Pin, BDL Grade	33371		Stock Assembly, BDL Grade
24 22035		Front Guard Screw	18186		Stock Reinforcing Screw (not shown)
25 15161		Front Guard Screw Bushing, ADL Grade	16970		Stock Reinforcing Screw Dowel (not shown)
26 15373		Front Sight	55 26555		Swivel Assembly, BDL Grade (Q.D.)
15719		Front Sight (Low)	56 15280		Trigger
27 28510		Front Sight Ramp	57 17053		Trigger Adjusting Screw
15635		Front Sight Ramp, BDL Grade	26345		Trigger Assembly
28 28505		Front Sight Ramp Screw	58 19461		Trigger Connector
29 15363		Front Sight Hood, BDL Grade	59 91128		Trigger Engagement Screw
30 15357		Front Swivel Nut, BDL Grade	60 15281		Trigger Guard
31 15356		Front Swivel Screw, BDL Grade	61 26376		Trigger Guard, BDL Grade
90957		Grip Cap, BDL Grade (not shown)	26371		Trigger Guard Assembly, BDL Grade
25380		Grip Cap Screw	62 26655		Trigger Housing Assembly
90958		Grip Cap Spacer, BDL Grade (not shown)	63 24477		Trigger Pin
32 15284		Magazine, ADL Grade	64 15400		Trigger Spring
16430		Magazine, BDL Grade (not shown)	65 15481		Trigger Stop Screw
33 90952		Magazine Follower			



**MODEL
700**

Parts Subject to Change Without Notice

MALFUNCTIONS

CAUSE and CORRECTION

(Con't. from Page 4)

Fails to Eject

Cause:

1. Burr at Ejector Hole in Bolt.
2. Ejector binds or fails to retract far enough.
3. Extractor Rivet loose.
4. Extractor drops shell.

Correction:

1. Deburr.
2. Free up or replace.
3. Re-stake or replace.
4. Replace Extractor.

Misfires

Cause:

1. Short Firing Pin (damaged).
2. Firing Pin binds.
3. Short Firing Pin protrusion.
4. Firing Control out of adjustment.
5. Faulty ammunition.

Correction:

1. Replace.
2. Free up or replace.
3. Change Firing Pin or Bolt.
4. Adjust.

Follows Down

Cause:

1. Trigger Adjusting Screw, rear, out of adjustment (improper horizontal engagement of Sear and Connector).
2. Improper vertical engagement of Sear and Connector.
3. Trigger doesn't retract.
4. Corners on Sear or Connector rounded.
5. Trigger binds on Trigger Plate.
6. Not enough tension on Weight Screw (light pull).

Correction:

1. Adjust.
2. Fit new Fire Control.
3. Fit new Fire Control.
4. Fit new Fire Control.
5. File — eliminate interference.
6. Adjust.

Bolt Opens Hard

Cause:

1. See Fails to Extract.
2. Upset Extraction Cam on Bolt Handle.
3. Burr at Ejector Hole in Bolt.
4. Blown or set back Primer on shell.

Correction:

1. See Fails to Extract.
2. Smooth up.
3. Deburr.
4. Ream Chamber if throat is shallow (ammunition may be at fault).

Bolt Pulls Out

Cause:

1. Bolt Stop or Bolt Release binds.
2. Bolt Stop or Bolt Release broken.

Correction:

1. Free up.
2. Replace.

Safe Works Too Hard or Too Freely

Cause:

1. Safe binds (works hard).
2. Safety Snap Washer stretched out (Safe works too freely).

Correction:

1. Free up.
2. Replace Washer.

Bulges or Blows Cases

Cause:

1. Oversize Chamber.
2. Maximum head space.

Correction:

1. Change Barrel or Barrel and Receiver Assembly.
2. Fit new Bolt (ammunition may be at fault).

Bolt Binds

Cause:

1. Guard Screws protrude into Bolt track.
2. Scope Screws protrude into Bolt track.
3. Bolt Handle interference on Stock.
4. Step at rear of Bolt Lugs.

Correction:

1. File ends of Screws.
2. File ends of Screws.
3. Correct Stock or fit new Stock.
4. File to blend.

Doesn't Group

Cause:

1. Crown of Barrel damaged.
2. Leading of Bore.
3. Oversize Bore.
4. Improper bedding of Barrel in Stock.
5. Loose Sights.

Correction:

1. Recrown
2. Lead or change Barrel.
3. Change Barrel.
4. Correct bedding.
5. Tighten or replace.

Point of Impact Not Correct

Cause:

1. Barrel not straight.
2. Horns, breaks, etc. in Bore.
3. Improper or loose Sights.

Correction:

1. Straighten.
2. Correct if possible.
3. Tighten or change Sights.

MODEL
700
LEFT HAND MODEL

REMINGTON
FIELD SERVICE MANUAL

PARTS LIST

View No.	Part No.	NAME OF PART	View No.	Part No.	NAME OF PART
NOTE: Basic 30-06 caliber listed below. For other caliber parts and numbers see additional calibers list.			41	15358	Rear Swivel Screw
1		Barrel Assembly	42	17034	Receiver Plug Screw
2		Bolt Assembly	43	32900	Safety Assembly
		Bolt Final Assembly	44	23222	Safety Detent Ball
3	17012	Bolt Plug	45	90557	Safety Detent Spring
4	17013	Bolt Stop	46	17043	Safety Pivot Pin
5	24475	Bolt Stop Pin	47	17044	Safety Snap Washer
6	90555	Bolt Stop Release	48	15666	Sear Safety Cam
7	90554	Bolt Stop Spring	49	24476	Sear Pin
8	90953	Butt Plate	50	17047	Sear Spring
8a	90954	Butt Plate Spacer	51	30855	Sling Strap Assembly
9	25380	Butt Plate Screw		26990	Sling Strap Assembly and Mountings Complete
10	17017	Ejector	52	33391	Stock Assembly
11	17676	Ejector Pin		18186	Stock Reinforcing Screw
12	17019	Ejector Spring		16970	Stock Reinforcing Screw Dowel
13	14669	Extractor	53	26555	Swivel Assembly (Q.D.)
14	27340	Extractor Rivet	54	15280	Trigger
	15376	Fastener, Sling Strap	55	17053	Trigger Adjusting Screw
15	22020	Firing Pin		32895	Trigger Assembly
16	22040	Firing Pin Assembly	56	19461	Trigger Connector
17	17022	Firing Pin Cross Pin	57	91128	Trigger Engagement Screw
19	15291	Floor Plate Latch	58	26376	Trigger Guard
20	16451	Floor Plate Latch Pin		26371	Trigger Guard Assembly
21	16452	Floor Plate Latch Spring	59	32905	Trigger Housing Assembly
22	16453	Floor Plate Pivot Pin	60	24477	Trigger Pin
23	22035	Front Guard Screw	61	15400	Trigger Spring
24	15373	Front Sight	62	15481	Trigger Stop Screw
	15719	Front Sight (Low)			
25	15635	Front Sight Ramp			
26	28505	Front Sight Ramp Screw			
27	15363	Front Sight Hood			
28	15357	Front Swivel Nut			
29	15356	Front Swivel Screw			
	90957	Grip Cap			
	90958	Grip Cap Spacer			
	25380	Grip Cap Spacer Screw			
30	16430	Magazine			
31	91017	Magazine Follower			
32	15677	Magazine Spring			
33	17029	Main Spring			
34	26355	Rear Guard Screw			
35	23510	Rear Sight Aperture			
36	32500	Rear Sight Base			
37	28505	Rear Sight Screw			
38	90905	Rear Sight Slide			
39	90906	Elevation Screw			
40	90904	Windage Screw			

ADDITIONAL CALIBERS

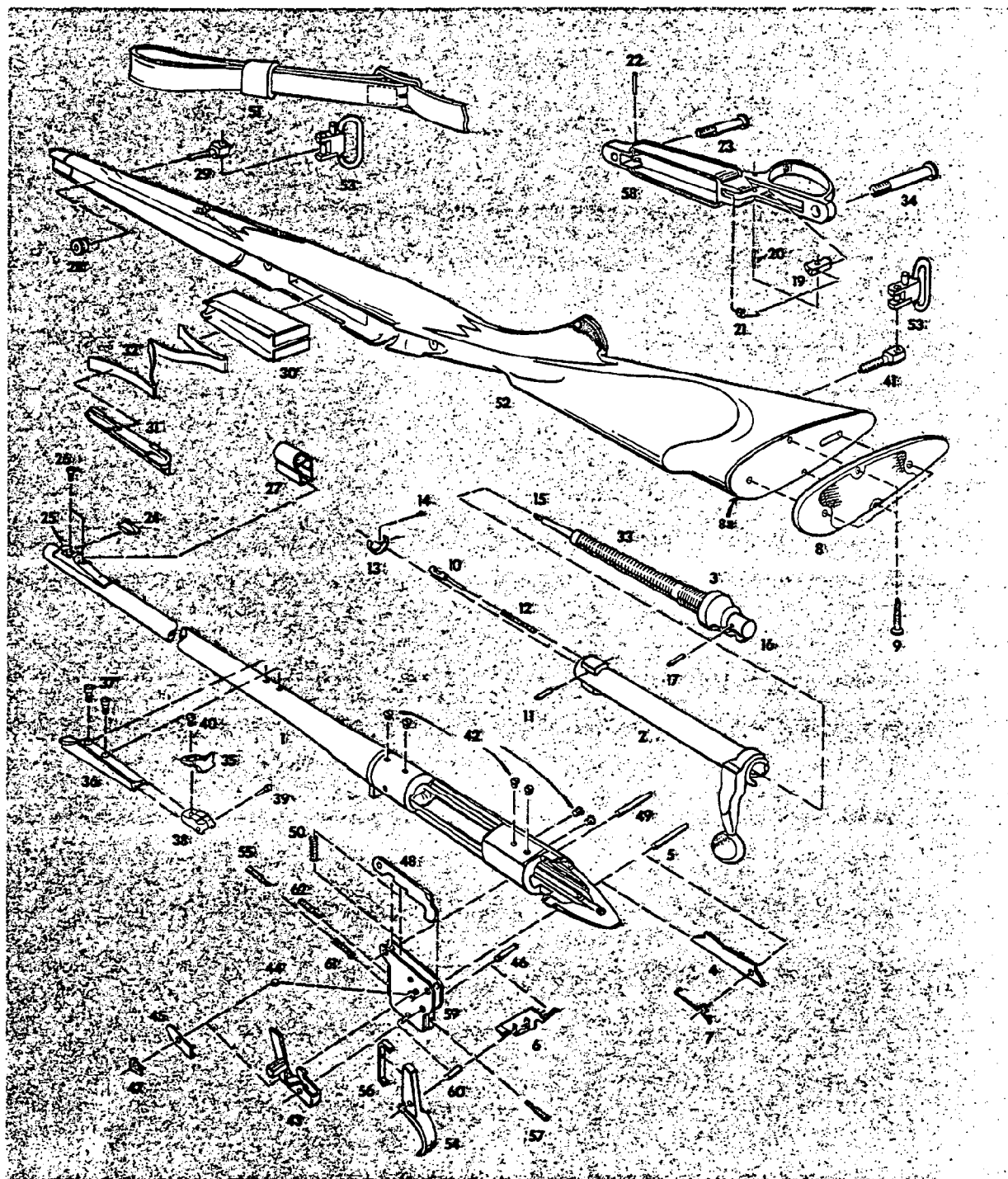
NOTE: Part not listed same as 30-06 Caliber

Barrel Assembly, 7mm Rem. Mag. _____
 Barrel Assembly, 270 Win. _____
 Bolt Assembly, 7mm Rem. Mag. _____
 15709 Extractor, 7mm Rem. Mag. _____
 27341 Extractor Rivet, 7mm Rem. Mag. _____
 14659 Front Sight, 7mm Rem. Mag. _____
 90949 Recoil Pad, 7mm Rem. Mag. _____
 25410 Recoil Pad Screw, 7mm Rem. Mag. _____
 33395 Stock Assembly, 7mm Rem. Mag. _____

EXPLODED
VIEW

REMINGTON FIELD SERVICE MANUAL

MODEL
700
LEFT HAND MODEL.



MODELS 725-721-722-700-600

SAFETY PERFORMANCE CHECK

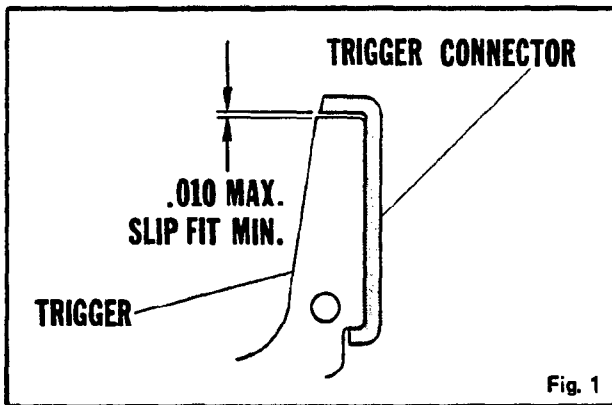
After reassembly, the following checks for proper function of the safety should be made.

Close bolt. Put safety ON SAFE. Lift bolt handle. (Bolt handle should not raise). Pull trigger (firing pin should not fall). Action of trigger pull should be smooth (no bind, drag, click or catch). Release trigger (trigger should return to former position). Put safety ON FIRE position (firing pin should not fall). Pull trigger (firing pin should fall). Repeat test at least three (3) times.

Safety should function on two (2) positive stop positions (ON SAFE – FIRE). If positions are not positive, check parts. Inspect detent holes, retainer, retainer pin, detent, detent spring and related parts for possible cause. Replace any worn or damaged parts and lubricate with a dry lubricant. Reassemble and check. If stop positions are not positive replace complete trigger housing assembly.

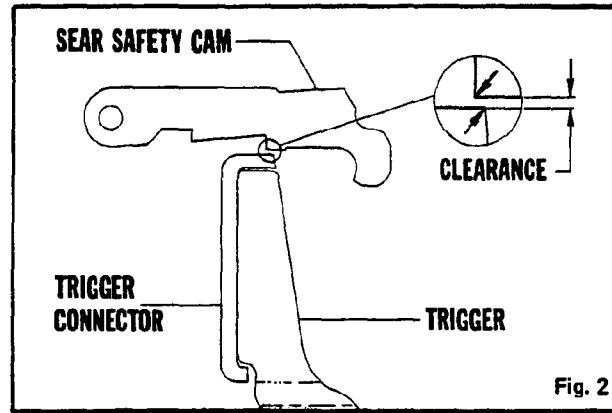
NOTE: Lubrication should not be used as a remedy for trigger housing assembly problems. The cause should be positively located and corrected.

When repairing trigger housing assembly wash parts thoroughly with a petroleum solvent. An accumulation of gun oil or dried oil can build a film that may cause malfunctions. Relubricate with a dry lubricant and reassemble. Check clearance between trigger and trigger connector .010 MAX. slip fit (MIN.) with feeler gage (see Fig. 1). Check trigger connector for straightness and cracks at trigger stop screw hole. Make sure there is no bind or catch in trigger, sear safety cam or safety lever about pivots.

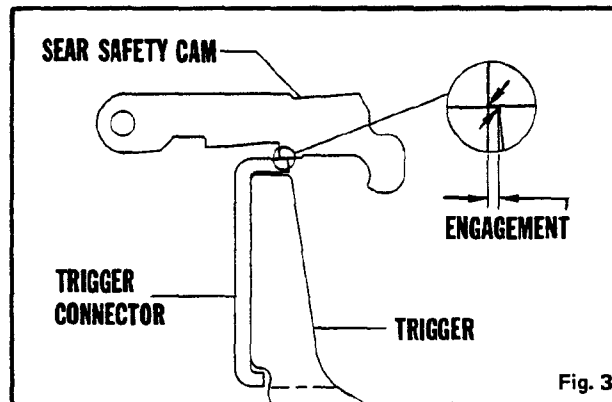


When replacing trigger housing assembly, take care not to bend or spring the housing. Sear safety cam should pivot freely. To check, remove bolt, move safety to OFF SAFE, pull trigger and press down on rear of sear safety cam and release.

For proper safety function there must be clearance between trigger connector and sear safety cam. To check close bolt and put safety ON SAFE. Visually inspect through hole in side of trigger housing (see Fig. 2). If there is no clearance, replace safety assembly, or trigger housing assembly. Corners must be sharp. (Arrows).



Sear safety cam and trigger connector engagement of .015" – .020" on field rifles and .010" – .015" on target rifles is critical (see Fig. 3). Replace any worn or damaged parts. To adjust, close bolt and place safety OFF SAFE. Turn trigger engagement screw clockwise until rifle fires. Turn screw counterclockwise ¼ turn (90°) and check engagement. (see note A). Corners must be sharp. (Arrows).



To adjust trigger stop screw, close bolt and put safety OFF SAFE. Turn trigger stop screw clockwise until it touches trigger. Pull and hold trigger rearward. Turn trigger stop screw counter clockwise until rifle fires. Turn an additional 1/8 turn for clearance. (see note A).

Trigger pull adjustment on any field rifle should never be adjusted below three (3) pounds. (see note A).

Trigger pull adjustment on any target rifle should never be adjusted below two (2) pounds. (see note A).

NOTE A: After any adjustments to trigger housing assembly screws, repeat all safety checks. Check for "follow down." See malfunctions. Restake or reseal screws with DuPont Duco cement.

When replacing stock assembly, check for clearance between following parts: Safety Lever – Stock; Trigger – Trigger Guard; Trigger – Stock.

MODELS 725-721-722-700-600

MALFUNCTIONS

1. **"Follow Down."** After reassembling rifle, check for "follow down" condition. (Firing pin moves to uncocked position as bolt is closed). Put safety OFF SAFE. Close bolt smartly. Firing pin should remain cocked (dry fire to check). "Follow down" may be caused by improper sear safety cam — trigger connector engagement or by trigger being held back by interference between trigger and stock, trigger and trigger guard, and / or trigger housing. "Follow down" can also be caused by sear safety cam binding, by missing parts and / or broken connector. (see note B).

2. **"Firing Pin Falls."** If firing pin falls when rifle is jarred or when bolt handle is lifted check following:

Firing pin head binds in guide slot in receiver. Firing pin head and slot should align. To check, remove firing pin assembly from bolt. Reassemble bolt to receiver. Small cocking notch on rear edge of bolt should align with slot in receiver.

Guide slot in receiver should be free of burrs. Remove trigger housing and clean any burrs from slot.

This malfunction may also be caused by improper sear safety cam — trigger connector engagement. Adjust engagement as previously described. (see note B).

3. **"Firing Pin Fails to Fall."** If firing pin fails to fall when trigger is pulled or trigger has to be pulled more than once. See firing pin falls for possible cause and corrections. (see note B).

NOTE B: Correct malfunction 100% or return rifle to factory.

For smooth operation, a good quality gun grease should be applied to threads on bolt plug, firing pin head cocking cam at rear of bolt and on locking lug engagement area.