

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington



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2-9-82*

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Please advise your comments.

*Also, establish a procedure to ensure
we furnish the correct instruction folder
with customer gun.*

Bridgeport, Connecticut
February 3, 1982

H. K. BOYLE

*Feb
2-5-82*

SERVICE REQUIREMENT FOR MODEL 700
RELATIVE TO REMOVAL OF BOLT LOCK

With removal of the bolt lock feature from the Model 700, several questions have arisen with regard to repairs. This note sets forth Marketing's desires for handling repairs and/or replacements of Model 700's.

The various Arms Service repairs should be handled following these guidelines:

- Receiver and trigger assembly not involved in repair.

No change is to be made to the bolt lock. From a bolt lock standpoint, the gun is to be returned in the same condition it was received.

- Receiver or trigger assembly involved in repair but bolt lock is not affected.

If the repairs can be made without impacting the bolt lock, they should be done that way.

- Receiver or trigger assembly must be replaced as part of the repair.

The same guidelines as above should be followed. The features of the firearm should not be changed during a repair. If parts are not available to make such repairs, then the customer should be given the choice of either having the repair made (and accepting the feature change) or having the gun returned without being repaired.

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H. K. BOYLE

-2-

February 3, 1982

Replacement of Model 40X, Model 600, and 660 parts should be handled the same way. If the bolt lock feature will change as a result of a repair, we must have the customer's permission in advance.

Repairs made by our Recommended Gunsmiths should follow this same philosophy. This situation would arise only when the trigger assembly is replaced, since the receiver is a restricted part.

F. T. Millener
F. T. Millener

FTM:fms

STRENGTH TESTS (2000-2999)

GUN RELATED (2000-2099)

2010	Strength Test
2020	Bolt lug shear test
2030	Proof - std. test
2040	Chamber pressure test
2050	Excessive headspace test
2060	Min. headspace test
2070	Obstructed muzzle test
2080	Stock strength test

AMMO RELATED (2100-2199)

2110	Defective ammo test
2120	Pierced primer test
2130	Expanded primer test

FUNCTION TESTS

(3000-3999)

LIVE FIRE TESTS

(3000-3099)

3010 Standard live fire test
3020 Field cycle test
3030 Emergency position live fire test
3040 Live ammunition test
3050 Ejection test - live ammo
3060 Unloading test - live ammo

STANDARD FUNCTION TESTS

(3100-3199)

3110 Bolt opening tests
3120 Bolt stop release tests
3130 Malfunction test for high speed
3140 Magazine capacity test
3150 Cock and dry fire

SAFETY FUNCTION TESTS

(3200-3299)

3210 Follow down tests
3220 Safety operation test
3230 Follow-up test
3240 Safety mechanism function test

INTERCHANGEABILITY TESTS

(3300-3399)

3310 Interchangeability test
3320 Reloadability test

OTHER

(3400-3499)

3410 Scope ejecting test
3420 Loose stock test
3430 Loose barrel test

ACCURACY & PATTERNING TESTS (4000-4999)

ACCURACY TEST (4000-4099)

4010 Accuracy Centerfire Rifles
4020 Accuracy Slug Barrels
4030 Max. -Min. Sight Adjustment
4040 Stability of Center of Impact

PATTERN TEST (4100-4199)

4110 Pattern Density and Point of Impact

MEASUREMENTS Continued

(5000-5999)

DYNAMICS MEASUREMENTS

(5200-5299)

5210	Bolt Velocity (Continuous, Discrete)
5215	Piston Velocity
5220	Closing Velocity
5225	Strain Gage Analysis
5230	Orifice Work-up
5235	Shoulder Force
5240	Acceleration
5245	Vibration
5250	Gun Travel
5255	Lock Time
5260	Cycle Time
5265	Destructive Pressure Measurements
5270	Stress Coat
5275	Force Measurement (Plotting)
5280	Shooting Jack Calibration
5285	Develop Specialized Test & Equipment

ENDURANCE TEST

(6000-6999)

DRY CYCLE

(6000-1099)

6010 M/XP-100 Headspace Advance
6015 M/XP-100 Safe ON-OFF
6020 M/788 Dry Cycle (Bolt & Firing Pin & Fire Control)
6025 M/788 Safety
6030 M/7400 Dry Cycle
6035 M/700 Extractor Impact
6040 M/700 Dry Cycle (same as 788)
6045 M/700 Safety - Computer Assisted
6050 All Model Over & Under Machine
6055 M/3200 Frame
6060 M/3200 Slam Shut Test
6065 M/1100 Carrier Release Button
6070 M/870 Competition Trap
6075 Trigger Dry Cycle Impact Test (M870, 1110, 7400, 7600)
6080 Safety Dry Cycle (M1100, 870, 7400, 7600)
6085 Common Dry Cycle Machine for M870, 1100, 7400, 7600
Test: Firing Pins
Fire Controls
Action Bars
Breech Bolts
6090 Pneumatic Drop Machine
6095 Magazine Cap Dry Cycle
6098 Mechanical Trap
6099 M/401S Seismic Gun

LIVE FIRE ENDURANCE

(6100-6199)

6110 Jack Endurance - Inside
6120 Jack Endurance - Outside
6130 Field Cycle Test - Shotguns - Shoulder Shooting
6140 Field Cycle Test - Rifle - Shoulder Shooting
6150 Shotgun Function Test - Shoulder - for Scores

ENVIRONMENTAL TESTS

(7000-7999)

WEATHERABILITY TESTS

(7000-7099)

7010 Wet & Dry Tests
7020 Foul weather tests
7030 Weathering tests
7040 Cold ammo test
7050 Cold firearms test
7060 Stock finish test
7070 Waterproof test
7080 Salt water corrosion test
7090 Gun furniture test
7095 Corrosion test

"CRUD" TESTS

(7100-7199)

7110 Crud test
7120 Mush and lard test
7130 Sand box test
7140 Excess lubrication test
7150 No lubrication test
7160 Oiled case test
7170 Dust test
7180 Machining chips test
7190 Dirty chamber test
7195 Ejection port crud test

SHOCK TESTS

(7200-7299)

7210 Jar off tests
7220 Takedown screw shock test
7230 Drop test
7240 Impact test
7250 Slam test
7260 Safety mechanism shock test

AMMUNITION TESTING & EVALUATION (8000-8999)

AMMUNITION PARAMETERS (8000-8099)

8010 Muzzle Velocity Test
8020 Pressure test
8030 Penetration test
8040 Shot counting test
8050 Gas cylinder pressure

COMPETITIVE AMMO TESTS (8100-8199)

8110 Competitive ammo test
8120 Ammunition reloadability
8130 SAAMI test *(Hulk STEPHENS)*

OTHER (8200-8299)

8210 Bullet recovery test
8220 Hot ammunition test

VISUAL EVALUATION

(9000-9999)

VISUAL

(9000-9099)

9010 Takedown inspection

9020 Chamber finish test

MEASUREMENTS

(5000-5999)

STATIC MEASUREMENTS

(5000-5099)

X5010 Headspace - Proof - Headspace (Draft) *Completed*
X5020 Firing Pin Indent (Draft) *→ Separately*
X5025 Trigger Pull (Draft) *→ weight: with*
5030 Weight and Length }
5035 Stock Dimensions }
5040 Center of Gravity }
5045 Safe On-Off Forces *complete to review*
5050 Bolt Open Force - Cocked - Dry Fired *STARTED - 11-17-83
complete to review*
5055 Magazine Spring Force (Shotguns only)
5060 Bore and Choke
5065 Chamber Measurements (Chamber Cast)
5070 Firing Pin Protrusion
5075 Firing Pin Marking
5080 Sear Lift Measurement (Centerfire)

STATIC CHECKS

(5100-5199)

5110 Safety Check
5120 Disconnect Check
5130 Magnaflux Check
5140 Proof Check
5150 Dummy Round Check
5160 Live Ammo Unload Check
5170 Follow Down Check
5180 Bolt Stop Release Check