

## Section H

### "Screw-Driver Test"

(Slip-fit of Trigger Connector on Trigger Body)

## PROCESS RECORD CHANGE AUTHORIZATION

- ☒ PERMANENT CHANGE  
☐ LONG DURATION ALTERNATE CHANGE  
 ROUTE TO:

CHANGE NO. 211695EXPIRATION DATE: 3-3-73INITIATED DATE: 2-2-73

CONTROL OFFICE BLDG. 46-2		APPROVALS	DATE
METHODS & STDS. LEADER	J. POLIVKA	<i>[Signature]</i>	3-3-73
PROCESS ENGR. GROUP LEADER	J. BOWER	<i>[Signature]</i>	2/2/73
PRODUCTION SUPERVISOR	C. PARDEE	<i>[Signature]</i>	3/4
AND PRODUCTION FOREMAN <i>Mc</i>	G. CASALE	<i>[Signature]</i>	3/1
CHEM. & MET. SUPERVISOR			
OR PROCESS ENGR. SUPERVISOR	E. R. CARR	<i>[Signature]</i>	
CONTROL OFFICE BLDG. 46-2			
PROCESS RECORDS REVISED		<i>[Signature]</i> 3/15/73	

MODEL NO.: 700 REQUESTED BY: \_\_\_\_\_  
 PART NAME: FINAL ASSEMBLY ENGINEER: C. PROSSER  
 PART NUMBER: \_\_\_\_\_

DESCRIPTION OF CHANGE & REASON: ADD ELEMENT TO FINAL INSPECTION  
TO CHECK FOR POSSIBLE CONNECTOR-SEAR INTERFERENCE.  
AT LEAST TWENTY IN 1972, AND FOUR SO FAR IN 1973  
CUSTOMER COMPLAINTS INCLUDING ONE PERSONAL  
INJURY ARE ATTRIBUTED TO THIS INTERFERENCE.

## COMPONENT STATUS AS AFFECTED BY CHANGE - CHECK TYPE

☐ USE PRESENT PARTS ☐ HOLD FOR SALVAGE ☐ SCRAP PARTS ☐ REWORK PARTS

## EQUIPMENT COST FOR CHANGE - PUT ESTIMATED COST UNDER ITEM

TOOLS & GAGES	CUTTING TOOLS	MACHINE OR EQUIPMENT	PLANT LAYOUT	TOTAL COST
DESCRIPTION OF COST: _____				

## PRODUCT COST - PREPARED BY METHODS &amp; STANDARDS ENGINEER:

DATE: \_\_\_\_\_

REDUCTION IN COST			INCREASE IN COST		
ITEM	PRESENT	PROPOSED	ITEM	PRESENT	PROPOSED
PROD. FORECAST			PROD. FORECAST		15,000
STD. HRS. PER 100			STD. HRS. PER 100		1.1
DOLLARS PER 100			DOLLARS PER 100		1.47
REDUCTION DOLLARS	X		INCREASE DOLLARS	X	11,550.00
INVESTMENT DOLLARS	X		INVESTMENT DOLLARS	X	
PERCENT RETURN	X		PERCENT LOSS	X	

TOOLING &amp; EQUIPMENT MUST BE AVAILABLE BEFORE PROCESS CHANGE IS INITIATED

ATTACH PRESENT PROCESS RECORD PRINTS SHOWING CHANGES INDICATED IN RED

RETURN UNACCEPTABLE REQUEST TO ISSUING ENGINEER WITH REASON

PLAINTIFF'S  
EXHIBIT



Check Clearance

- A. With gun cocked, locate Safety lever to halfway point between "On-Safe" and "Off-Safe" location to position the safety ball detent between the indents with the Safety lever; in this unstable location insert an 1/8" wide screwdriver into the front of Trigger Housing (see Figure Pg. 6). Look through the engagement view hole to check for clearance between the Connector and Sear, while rotating Trigger back and forth. There must be clearance between the Connector and Sear, the Connector cannot catch on Sear. If clearance does not exist, install new Trigger Assembly.



DESCRIPTIVE INFORMATION

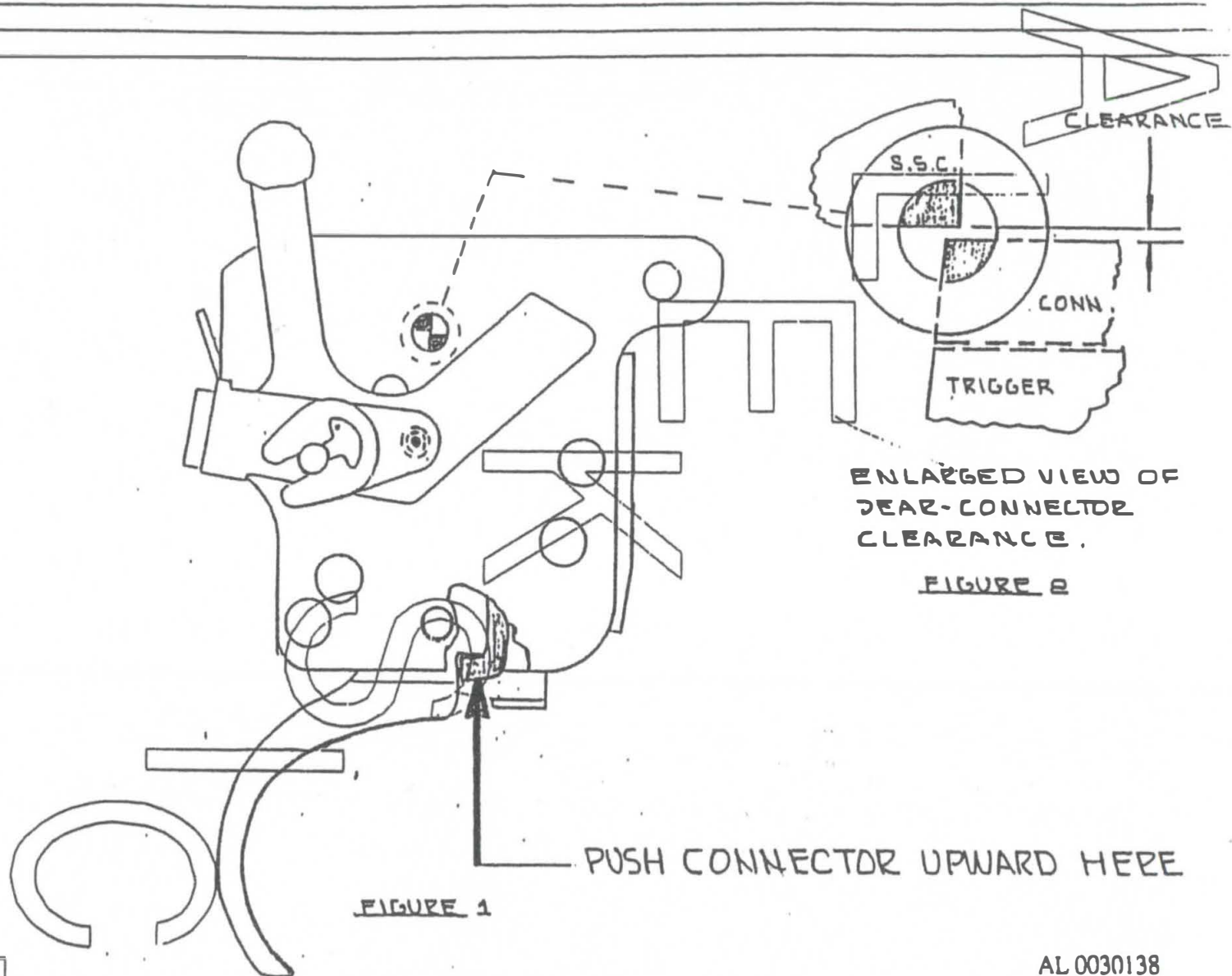


FIGURE 1

ENLARGED VIEW OF  
GEAR-CONNECTOR  
CLEARANCE.

FIGURE 2

PUSH CONNECTOR UPWARD HERE

AL 0030138

NAME \_\_\_\_\_ COOLANT \_\_\_\_\_ SET UP \_\_\_\_\_ MODEL No. **7 00 8 600** OPER. No. \_\_\_\_\_  
**"SCREWDRIVER" TEST @ ASSEMBLY** MACH. HRS. \_\_\_\_\_ DEPT. No. \_\_\_\_\_ PAGE **2** OF **3**  
**CUSTOMER REPAIR** MACHINE \_\_\_\_\_



copy at file 7700 JJ  
M600 & 700 TRIGGER ASSEMBLY IMPROVEMENT

I. RESTORE COMMONALITY.

A. PARTS. SEAR SAFETY CAMS

1. .005" DIFFERENCE IN TAIL HEIGHT
2. .029" " " PIN CLEARANCE

B. DIMENSIONS. ESTABLISH COMMON  
SAFETY CAM LIFT. MUST BE DERIVED FROM &  
CONSISTENT WITH MODEL DRAWINGS.

C. SPECIFICATIONS.

1. SEAR LIFT.

- a. REVISE ON M600 TRIGGER ASS'T  
DRAWING TO ELIMINATE  
THEORETICAL GEOMETRIC  
POSSIBILITY OF TRAPPING CONNECTOR  
FORWARD OF SEAR.

- b. ADD ABOVE TO M700 TRIGGER  
ASS'T DRAWING.

2. "SCREWDRIVER" TEST SIGNIFICANCE.  
THIS IS CURRENTLY PART OF M700  
FINAL INSPECTION PROCESS. IT IS NOT  
BEING DONE.

- a. DIMENSIONAL IMPLICATIONS  
AND/OR

- b. FUNCTIONAL IMPLICATIONS

# A

## M600 & M700 "SCREWDRIVER" TEST - CUSTOMER REPAIR

INSERT SUITABLE TOOL BETWEEN TRIGGER AND BOLT STOP RELEASE.

PUSH CONNECTOR FIRMLY UPWARD (TOWARD SEAR SAFETY CAM) AND HOLD. THEN, SIMULTANEOUSLY:

PULL TRIGGER.

- THERE MUST BE NO CLICK OR CATCH IN PULL.

• REJECT IF CONNECTOR IS TRAPPED FORWARD. RELEASE FORCE ON CONNECTOR THEN:

RELEASE TRIGGER SLOWLY.

- TRIGGER MUST RETURN TO FULL FORWARD POSITION AND CONNECTOR MUST RETURN UNDER SEAR SAFETY CAM. VERIFY THRU VIEW HOLE.

• REJECT IF CONNECTOR IS TRAPPED FORWARD. PUSH SAFETY LEVER TO "OFF" SAFE POSITION.

- FIRING PIN MUST NOT FALL

END OF "SCREWDRIVER" TEST



REV 1986

4-24-79

Null Screw Driver Test Page 1 of 3

1600 & M700 " ~~SCREW DRIVER TEST~~ - CUSTOMER REPAIR

PURPOSE: THIS TEST ASSURES ADEQUATE WORKING CLEARANCE BETWEEN TOP OF CONNECTOR AND BOTTOM OF SEAR SAFETY CAM WITH CONNECTOR<sup>POCED</sup> AS HIGH AS POSSIBLE.

NOTE: TEST IS MOST EASILY PERFORMED WITH STOCK AND TRIGGER GUARD REMOVED. GUN HELD IN VISE.

REFER TO FIGURES 1 & 2.

COCK FIREARM.

MOVE SAFETY LEVER FROM "OFF SAFE" POSITION TOWARD "ON SAFE" POSITION, TO LOCATE AND STOP SAFETY LEVER AT THE FOREWARDMOST NULL LOCATION.\*

\* Forewardmost null location is that "just-stable" place between "On" and "Off" safe, closest to "Off" Safe, where the Safety Lever will not spring forward to the "Off" safe position when released.

SAFETY LEVER MUST REMAIN IN NULL LOCATION DURING TEST.

PLAINTIFF'S  
EXHIBIT

3352

AL 0030137

10/13





M-700 Trigger Housing

11-30-78 RLB

Serial	Lot	When Mfg'd	When Tested	Remarks	Disposition
1	00000	0000	0000	OK	OK
2	00001	0001	0001	OK	OK
3	00002	0002	0002	OK	OK
4	00003	0003	0003	OK	OK
5	00004	0004	0004	OK	OK
6	00005	0005	0005	OK	OK
7	00006	0006	0006	OK	OK
8	00007	0007	0007	OK	OK
9	00008	0008	0008	OK	OK
10	00009	0009	0009	OK	OK
11	00010	0010	0010	OK	OK
12	00011	0011	0011	OK	OK
13	00012	0012	0012	OK	OK
14	00013	0013	0013	OK	OK
15	00014	0014	0014	OK	OK
16	00015	0015	0015	OK	OK
17	00016	0016	0016	OK	OK
18	00017	0017	0017	OK	OK
19	00018	0018	0018	OK	OK
20	00019	0019	0019	OK	OK
21	00020	0020	0020	OK	OK
22	00021	0021	0021	OK	OK
23	00022	0022	0022	OK	OK
24	00023	0023	0023	OK	OK
25	00024	0024	0024	OK	OK
26	00025	0025	0025	OK	OK
27	00026	0026	0026	OK	OK
28	00027	0027	0027	OK	OK
29	00028	0028	0028	OK	OK
30	00029	0029	0029	OK	OK
31	00030	0030	0030	OK	OK
32	00031	0031	0031	OK	OK
33	00032	0032	0032	OK	OK
34	00033	0033	0033	OK	OK
35	00034	0034	0034	OK	OK
36	00035	0035	0035	OK	OK
37	00036	0036	0036	OK	OK
38	00037	0037	0037	OK	OK
39	00038	0038	0038	OK	OK
40	00039	0039	0039	OK	OK
41	00040	0040	0040	OK	OK
42	00041	0041	0041	OK	OK
43	00042	0042	0042	OK	OK
44	00043	0043	0043	OK	OK
45	00044	0044	0044	OK	OK
46	00045	0045	0045	OK	OK
47	00046	0046	0046	OK	OK
48	00047	0047	0047	OK	OK
49	00048	0048	0048	OK	OK
50	00049	0049	0049	OK	OK
51	00050	0050	0050	OK	OK
52	00051	0051	0051	OK	OK
53	00052	0052	0052	OK	OK
54	00053	0053	0053	OK	OK
55	00054	0054	0054	OK	OK
56	00055	0055	0055	OK	OK
57	00056	0056	0056	OK	OK
58	00057	0057	0057	OK	OK
59	00058	0058	0058	OK	OK
60	00059	0059	0059	OK	OK
61	00060	0060	0060	OK	OK
62	00061	0061	0061	OK	OK
63	00062	0062	0062	OK	OK
64	00063	0063	0063	OK	OK
65	00064	0064	0064	OK	OK
66	00065	0065	0065	OK	OK
67	00066	0066	0066	OK	OK
68	00067	0067	0067	OK	OK
69	00068	0068	0068	OK	OK
70	00069	0069	0069	OK	OK
71	00070	0070	0070	OK	OK
72	00071	0071	0071	OK	OK
73	00072	0072	0072	OK	OK
74	00073	0073	0073	OK	OK
75	00074	0074	0074	OK	OK
76	00075	0075	0075	OK	OK
77	00076	0076	0076	OK	OK
78	00077	0077	0077	OK	OK
79	00078	0078	0078	OK	OK
80	00079	0079	0079	OK	OK
81	00080	0080	0080	OK	OK
82	00081	0081	0081	OK	OK
83	00082	0082	0082	OK	OK
84	00083	0083	0083	OK	OK
85	00084	0084	0084	OK	OK
86	00085	0085	0085	OK	OK
87	00086	0086	0086	OK	OK
88	00087	0087	0087	OK	OK
89	00088	0088	0088	OK	OK
90	00089	0089	0089	OK	OK
91	00090	0090	0090	OK	OK
92	00091	0091	0091	OK	OK
93	00092	0092	0092	OK	OK
94	00093	0093	0093	OK	OK
95	00094	0094	0094	OK	OK
96	00095	0095	0095	OK	OK
97	00096	0096	0096	OK	OK
98	00097	0097	0097	OK	OK
99	00098	0098	0098	OK	OK
100	00099	0099	0099	OK	OK

30 Rifles Audited  
22 "failures"  
22  
- 30  
= .73% failure rate

FAILS - 2015 Shim Ball and WAS detected  
OK - Firing Pin Head will not Fall when In R/R Head

FAILS - 2015 Shim Ball and WAS detected  
OK - Firing Pin Head will not Fall when In R/R Head

FAILS - 2015 Shim Ball and WAS detected  
OK - Firing Pin Head will not Fall when In R/R Head



47 1323

M-700 Trigger Housing

11-30-27

Serial	Trigger Housing	Notes
100000	OK	
100001	OK	
100002	OK	
100003	OK	
100004	OK	
100005	OK	
100006	OK	
100007	OK	
100008	OK	
100009	OK	
100010	OK	
100011	OK	
100012	OK	
100013	OK	
100014	OK	
100015	OK	
100016	OK	
100017	OK	
100018	OK	
100019	OK	
100020	OK	
100021	OK	
100022	OK	
100023	OK	
100024	OK	
100025	OK	
100026	OK	
100027	OK	
100028	OK	
100029	OK	
100030	OK	
100031	OK	
100032	OK	
100033	OK	
100034	OK	
100035	OK	
100036	OK	
100037	OK	
100038	OK	
100039	OK	
100040	OK	
100041	OK	
100042	OK	
100043	OK	
100044	OK	
100045	OK	
100046	OK	
100047	OK	
100048	OK	
100049	OK	
100050	OK	
100051	OK	
100052	OK	
100053	OK	
100054	OK	
100055	OK	
100056	OK	
100057	OK	
100058	OK	
100059	OK	
100060	OK	
100061	OK	
100062	OK	
100063	OK	
100064	OK	
100065	OK	
100066	OK	
100067	OK	
100068	OK	
100069	OK	
100070	OK	
100071	OK	
100072	OK	
100073	OK	
100074	OK	
100075	OK	
100076	OK	
100077	OK	
100078	OK	
100079	OK	
100080	OK	
100081	OK	
100082	OK	
100083	OK	
100084	OK	
100085	OK	
100086	OK	
100087	OK	
100088	OK	
100089	OK	
100090	OK	
100091	OK	
100092	OK	
100093	OK	
100094	OK	
100095	OK	
100096	OK	
100097	OK	
100098	OK	
100099	OK	
100100	OK	

FAILS - 2015 Spring fall and 2016 Spring  
Conversion; Stage

FAILS - 2015 Spring fall and 2016 Spring  
Conversion; Stage

OK - Firing Pin Head will not fall when trigger released

30 Rifles Audited  
22 "failures"  
22  
- 30  
- .73% failure rate





# C

## LIMITED DISTRIBUTION

MINUTES #1 - 1980

PRODUCT SAFETY SUBCOMMITTEE MEETING

JANUARY 22, 1980

PRESENT:

SUBCOMMITTEE:

E. F. BARRETT, CHAIRMAN  
J. G. WILLIAMS  
E. HOOTON, JR.  
E. G. LARSON  
R. A. PARTNOY

OTHERS:

J. P. GLAS  
J. E. PREISER  
W. L. FLAHERTY  
E. S. MCCAWLEY  
T. W. RAWSON  
J. H. CHISNALL  
R. B. SPERLING, ACTING SECRETARY

RECALL OF CERTAIN REMINGTON MODELS  
600, 660 AND MOHAWK 600 RIFLES  
AND XP-100 PISTOLS

The status of the product recall and the results to date were reviewed. It was reported that 23,318 recall guns had been repaired since the introduction of the recall. Returns have been steadily declining. Through December 31, 1979, 25,000 telephone calls have been received at our Atlanta toll-free number. We are down now to about 7 calls a day. The Atlanta number will remain open until further evaluation.

In August of 1979, approximately 130,000 letters (see copy attached as Exhibit A) were sent out to Federal Firearms License holders requesting the names of customers who purchased recalled guns. Remington received the names of 1,922 customers, to whom we mailed copies of our recall letter.

IREM 0002489



Pending litigation involving claims against guns subject to recall was discussed. The current status of Remington's audit on the Model 700 was also presented, which showed that from June 13, 1978, to January 15, 1980, 3,376 Model 700's returned to Ilion for service were tested for the "trick" condition. Of this sample, 35 guns failed the "trick" test. But of these 35 guns, 22 guns were trickable because they had been altered or damaged out in the field. This means that the audit to date indicates that only about .4% of the audited Model 700's were susceptible to tricking due to causes not attributable to customer misuse. It is also known that only .4% of the guns manufactured before 1975 are so susceptible.

Since January of 1979, Ilion has added a new test to the Model 700 audit which involves turning the returned Model 700 on its back and inserting a screwdriver into the trigger assembly and attempting to trap the connector so that it cannot move freely back under the sear. In this condition, the gun will fire when the safety lever is moved to the "fire" position. This has been termed "firing off safe". Since the inception of the new test, 38 returned Model 700's were found to "fire off safe", but of this number, only 9 would do so because of causes not attributable to alteration or damage in the field--4 of which were guns manufactured before 1975.

Even if you combine the number of "trickable" guns with the number of guns that will "fire off safe", the figures indicate that approximately .6% of the Model 700's currently in the field will be susceptible to "tricking" or "firing off safe".



The status of the Model 600 recall and the Model 700 audit confirms the wisdom of Remington's previous determination, made in January of 1979 (See Product Safety Subcommittee Minutes dated January 2, 1979), that the Company's efforts to reduce accidents involving bolt action rifles would be best served by publicizing proper gun handling and maintenance information, rather than to continue running Recall notices producing ever-diminishing returns. Remington's ad "Half Safe is Unsafe" will run through April of 1980. The SAAMI sponsored firearms safety ads will be initiated in February 1980 and will be run with heavy intensity through 1981. (See Exhibit B for samples of the SAAMI advertising program.) It was reported that the SAAMI booklet "Firearms Safety Depends on You" (see Exhibit B) is being packed with every Remington firearm shipped from the factory. This program was initiated in January of 1980.

It was suggested that Remington consider putting an insert in its ammunition boxes which would contain the ten firearms safety headings found in the "Firearms Safety Depends on You" booklet. After discussion, it was decided to put the safety message on the panels at the back of the shotshell and center fire ammunition boxes where currently there is placed product information.

#### MODEL 788 BOLT ACTION RIFLE

Remington has received a letter from Hank Burchard, an outdoor writer from THE WASHINGTON POST, complaining about the position of the safety on the Model 788, in that it can be unknowingly moved to the "fire" position when the gun is carried over the shoulder

REM 0002491

(a copy of the letter is attached as Exhibit C). Preliminary examination shows that the Model 788, as well as several other models manufactured by competitors, are susceptible to having the safety moved from "safe" to "fire" by the fleshy part of the hand between thumb and forefinger when the gun is carried over the shoulder. Remington has had a few complaints about this situation in the past, but no reports of personal injury. The Subcommittee determined that the design of the Model 788 should be studied for corrective action, and that a letter of response should be prepared and sent to Mr. Burchard. (Subsequent to the meeting, a letter response was sent to Mr. Burchard--See copy attached as Exhibit D).

7mm EXPRESS CARTRIDGES

There have been reported incidents of gun damage due to consumers firing 7mm Express cartridges in firearms designed for magnum cartridges. The Marketing Manager (ammunition) and the Manager of Quality were directed to review the problem and recommend what could be placed on the 7mm Express containers that would re-emphasize the fact that the 7mm Express is not to be used in chambers designed for magnum loads.

30-06 HIGH PRESSURE LOADS

A recall notice was placed in vertical trade journals selected by Marketing as directed by the Product Safety Subcommittee in June, 1979. (See Exhibit E). Returns are no longer coming in pursuant to our notices. There still have been no complaints reported from

-5-

the field. Since it is believed that virtually all of this ammunition has now been used, no further action is planned.

*R. B. Sperling*  
R. B. Sperling  
Acting Secretary

RBS:hss

2/19/80

Attachments

1 REM 0002493 1

GUN EXAMINATION REPORT NUMBER: NO

MODEL: 700

GENERAL CONDITION: NEW

R # : 22775

OUTSIDE WORK: No

DATE: 10-15-70

FROM: MARKLEYSBURG,

FIRE AMMO TYPE: \_\_\_\_\_

PA.

CONDITION:

GUN # : 6262918

PROOF: R.E.P. INSP.: 9 TEST: \_\_\_\_\_

CODE: OS = 7/69

HEADING: O.K.

~~GA./CAL.~~: 22-250

BREACH OPENING: —

CHECKED BY: C. PROSSER

RECOIL SHOULDERS: -

APPROVED: \_\_\_\_\_

CHAMBER: —

APPROVED: \_\_\_\_\_

TEST: FUNCTION ONLY

APPROVED:

COMPONENT CONDITION: (Damaged, Broken, ~~Old Style~~)

APPROVED:

COMPLAINT: FOLLOWS DOWN WHEN SAFETY IS PUSHED OFF.

INCIDENT:

COMMENTS: THE DIMENSION FROM THE TOP OF THE TRIGGER TO  
CENTER OF TRIGGER PIN HOLE BEING .01" OVERSIZE  
ELIMINATES MOST OF THE CLEARANCE NEEDED FOR THE  
TRIGGER-CONNECTOR TO RETRACT WITH THE SAFETY ON

ENCAD. 1990. M. 2.

**PLAINTIFF'S  
EXHIBIT**

3307

AL 0029842



NO GUN EXAMINATION REPORT NUMBER: \_\_\_\_\_ MODEL: 700 BDL  
GENERAL CONDITION: NEW R #: 22570  
OUTSIDE WORK: NO DATE: 11-2-70  
FIRE: NO FROM: LIMA, OHIO  
FIRED AMMO TYPE: \_\_\_\_\_  
& CONDITION: \_\_\_\_\_ GUN #: 6233914  
PROOF: \_\_\_\_\_ INSP. \_\_\_\_\_ TEST: \_\_\_\_\_ CODE: CS = 4/69  
HEADING: \_\_\_\_\_ GA./CAL.: 222  
BREECH OPENING: \_\_\_\_\_ CHECKED BY: C. PROSSER  
RECOIL SHOULDERS: \_\_\_\_\_ APPROVED: \_\_\_\_\_  
CHAMBER: \_\_\_\_\_ APPROVED: \_\_\_\_\_  
TEST: NO APPROVED: \_\_\_\_\_  
COMPONENT CONDITION: (Damaged, Broken, Old Style) APPROVED: \_\_\_\_\_  
O.K.

COMPLAINT: FIRES WHEN SAFE IS RELEASED.INCIDENT: TRIGGER CONNECTOR MOVES UP WHEN TRIGGER IS PULLED WITH THE SAFETY ON.COMMENTS: TRIGGER CONNECTOR IS .007 OVERSIZE ON TRIGGER CLEARANCE. TRIGGER IS .006 UNDERSIZE ON CONNECTOR CLEARANCE. THIS EXCESSIVE CLEARANCE ALLOWS THE CONNECTOR TO WORK UP, INTERFERE WITH THE SEAR AND FAIL TO RETRACT UNDER THE SEAR RESULTING IN FOLLOW DOWN WHEN THE SAFETY IS PUSHED OFF.PLAINTIFF'S  
EXHIBIT

3244

1 of 1  
AL (X)29776

Customer Complaint

P. NO GUN EXAMINATION REPORT NUMBER: \_\_\_\_\_MODEL: 660GENERAL CONDITION: GOODR # : 25759OUTSIDE WORK: SEALS BROKEN ON TRIGGERDATE: 11-6-70ADJUSTING SCREWS.FROM: AL FISHING TACKLE INC.  
PATCHOGUE,

FIRED AMMO TYPE: \_\_\_\_\_

LONG ISLAND.

&amp; CONDITION: \_\_\_\_\_

GUN # : 97965PROOF: R.E.P.

INSP. \_\_\_\_\_

TEST: \_\_\_\_\_

CODE: RP= 11/67

HEADING: \_\_\_\_\_

GA./CAL.: 308 WIN.

BREACH OPENING: \_\_\_\_\_

CHECKED BY: C. PROSSER

RECOIL SHOULDERS: \_\_\_\_\_

APPROVED: \_\_\_\_\_

CHAMBER: O.K.

APPROVED: \_\_\_\_\_

TEST: NO

APPROVED: \_\_\_\_\_

COMPONENT CONDITION: (Damaged, Broken, Old Style)

APPROVED: \_\_\_\_\_

COMPLAINT: FIRES WHEN SAFETY IS PUSHED OFF.INCIDENT: FOLLOWING DOWNCOMMENTS: EXCESSIVE CLEARANCE BETWEEN THE TRIGGERCONNECTOR (.009) ALONG WITH THE SAFETY LIFT BEINGREDUCED (.012) CREATES AN INTERFERENCEBETWEEN SEAR AND CONNECTOR WHICH, WHEN THETRIGGER IS PULLED WITH THE SAFETY ON PREVENTSTHE CONNECTOR RETRACTING WITH THE TRIGGERINTO FIRING POSITION.1081  
AL 0030033



# Customer Complaint

P.I. NO GUN EXAMINATION REPORT NUMBER: \_\_\_\_\_ MODEL: 700 BDL  
 GENERAL CONDITION: NEW R #: 27297  
 OUTSIDE WORK: NO DATE: 11-23-70  
 FROM: SADDLE ELEC. CO.  
 FIRED AMMO TYPE: - VERNAL, U.S.A.  
 & CONDITION: \_\_\_\_\_ GUN #: 6296777  
 PROCP: R.E.P. 2 INSP: 74 TEST: 55 CODE: LT = 2/70  
 HEADING: - GR./CAL.: 300G  
 BRSECH OPENING: - CHECKED BY: C. PROSSER  
 RECOIL SHOULDERS: - APPROVED: \_\_\_\_\_  
 CHAMBER: - APPROVED: \_\_\_\_\_  
 TEST: NO APPROVED: \_\_\_\_\_  
 COMPONENT CONDITION: (Damaged, Broken, Old Style) APPROVED: \_\_\_\_\_

TRIGGER: CONNECTOR CLEARANCE .003 OUTSIDE MODEL  
DRAWING; CONNECTOR: TRIGGER CLEARANCE .005 OUTSIDE  
MODEL DRAWING. THIS ADDS UP TO .009 MORE MOVE-  
MENT UP, OF CONNECTOR THAN THERE SHOULD BE TO  
POSSIBLE INTERFERENCE WITH THE SEAR.

COMPLAINT: "TRIGGER FIRES SOMETIMES WHEN TAKEN OFF  
SAFE" (EXTRACTOR FAULTY)

INCIDENT: FOLLOWS DOWN WHEN SAFE IS PUSHED OFF.

COMMENTS: THE FOLLOWING DOWN MALFUNCTION COULD NOT  
BE VERIFIED ALTHOUGH EXCESSIVE CONNECTOR  
MOVEMENT IS PRESENT.

EXTRACTOR CLAW DAMAGED.

PLAINTIFF'S  
EXHIBIT

3293

1 of 1

AL 0029826

NO GUN EXAMINATION REPORT NUMBER: \_\_\_\_\_ MODEL: 700  
 GENERAL CONDITION: NEW R #: 026064  
 OUTSIDE WORK: SCOPE MOUNTED DATE: 12-5-72  
 FIRED AMMO TYPE: \_\_\_\_\_ FROM: HERTER'S INC.  
 & CONDITION: \_\_\_\_\_ OLYMPIA, WASH.  
 PROOF: R.E.P.-B INSP. 74 TEST: 97 GUN #: 6524373  
 HEADING: O.K. CODE: CW = 4/72  
 BREACH OPENING: \_\_\_\_\_ GK./CAL.: 300G  
 RECOIL SHOULDERS: O.K. CHECKED BY: C. PROSSER  
 CHAMBER: O.K. APPROVED: \_\_\_\_\_  
 TEST: NO APPROVED: \_\_\_\_\_  
 COMPONENT CONDITION: (Damaged, Broken, Old Style) APPROVED: \_\_\_\_\_

SEAR-TRIGGER CONNECTOR ENGAGEMENT .025(MIN IS  
 .020) CONNECTOR = 1.088 MODEL DRAWING = 1.080, TRIGGER  
 MEASURES 1.074, MODEL DRAWING = 1.076

COMPLAINT: "FIRES WHEN SAFETY IS PUSHED OFF"

INCIDENT: FOLLOW DOWN

COMMENTS: THE CUSTOMER'S MALFUNCTION COULD NOT BE  
DUPLICATED, HOWEVER, THE .007 OVER MAX. CLEARANCE  
BETWEEN THE TRIGGER AND CONNECTOR WILL ALLOW  
THE CONNECTOR TO INTERFERE WITH THE SEAR AND  
FAILING TO RETRACT INTO COCKED POSITION, CAUSE  
A FOLLOW-DOWN.

PLAINTIFF'S  
EXHIBIT

3199

AL 0029729

I. NO GUN EXAMINATION REPORT NUMBER: \_\_\_\_\_ MODEL: 700 BDL  
 GENERAL CONDITION: NEW R #: 026826  
 OUTSIDE WORK: SCOPE MOUNTED DATE: 12-18-72  
 FROM: DICK'S SPT. SHOP  
 FIRED AMMO TYPE: \_\_\_\_\_ STAHLSTOWN, PA.  
 & CONDITION: \_\_\_\_\_ GUN #: 6223531  
 PROOF: R.E.P. INSP. ? TEST: 87 CODE: AS = 3/69  
 HEADING: O.K. GA./CAL.: 3006  
 BREECH OPENING: - CHECKED BY: C. PROSSER  
 RECOIL SHOULDERS: O.K. APPROVED: \_\_\_\_\_  
 CHAMBER: O.K. APPROVED: \_\_\_\_\_  
 TEST: NO APPROVED: \_\_\_\_\_  
 COMPONENT CONDITION: (Damaged, Broken, Old Style) APPROVED: \_\_\_\_\_

SEAR-TRIGGER CONNECTOR ENGAGEMENT .015 (MIN.

15.020) BURRS ON SEAR AND TRIGGER. TRIGGER

1.074 (MODEL DRAWING = 1.076) CONNECTOR 1.081 (1.080)  
1.079) 1.083)

SAFETY CENTER OF PIVOT TO TOP OF CAM, 290 (.292)  
1.246)

COMPLAINT: "MISFIRES WHEN HE PUSHES THE SAFE OFF"

INCIDENT: FOLLOW DOWN

COMMENTS: FOLLOW DOWN COULD HAVE BEEN DUE TO  
BURRS BINDING AND PREVENTING RETRACTION OR  
EXCESSIVE CONNECTOR-TRIGGER CLEARANCE  
ALLOWING THE CONNECTOR TO WORK UP TO INTERFERE  
WITH THE SEAR WHICH THE SAFETY DID NOT LIFT  
ENOUGH TO CLEAR.

PLAINTIFF'S  
EXHIBIT

3193

AL (X)29723



Carl Cuyler

P.I. NO GUN EXAMINATION REPORT NUMBER: \_\_\_\_\_ MODEL: 700 ADL  
GENERAL CONDITION: NEW R #: 003187  
OUTSIDE WORK: NO DATE: 1-30-73  
FROM: J. FOSTER  
FIRED AMMO TYPE: \_\_\_\_\_ LYNCHBURG, VA.  
& CONDITION: \_\_\_\_\_ GUN #: 6326074  
PROOF: R.E.P. A ASSEMBLER 97 INSP.: 9 TEST: 55 CODE: CT = 4/70  
HEADING: O.K. GA./CAL.: 25-06  
BREECH OPENING: \_\_\_\_\_ CHECKED BY: C. PROSSER  
RECOIL SHOULDERS: O.K. APPROVED: \_\_\_\_\_  
CHAMBER: O.K. APPROVED: \_\_\_\_\_  
TEST: NO APPROVED: \_\_\_\_\_  
COMPONENT CONDITION: (Damaged, Broken, Old Style) APPROVED: \_\_\_\_\_

CONNECTOR-TRIGGER CLEARANCE = 1.084 (MODEL 1.050 DRAWING 1.083) TRIGGER-  
CONNECTOR CLEARANCE = 1.072 (1.076) CENTER LINE OF PIN HOLE  
TO TOP OF TRIGGER = .974 (.971) CENTER OF PIVOT HOLE  
IN SAFETY TO TOP OF CAM = .291 (.292)

COMPLAINT: "FIRED WITH SAFETY ON"

INCIDENT: FOLLOW DOWN

PLAINTIFF'S  
EXHIBIT

3177

COMMENTS: THE RIFLE WILL NOT FIRE WITH THE SAFETY ON.

THE CONDITIONS LISTED ABOVE :- .005 TOO MUCH CLEAR-  
ANCE BETWEEN CONNECTOR & TRIGGER, TOP OF TRIGGER  
.001 OVER MIN. AND SAFETY .001 UNDER MIN., ALL  
CONTRIBUTE TO AN INTERFERENCE BETWEEN THE  
CONNECTOR AND SEAR WHICH WOULD PREVENT  
RETRACTION INTO COCKED POSITION TO CAUSE FOLLOW

AL (0029707

DOWN.

Cust. Complaint

1. NO GUN EXAMINATION REPORT NUMBER: \_\_\_\_\_ MODEL: 700 ADL  
 GENERAL CONDITION: GOOD R #: 002805  
 OUTSIDE WORK: SWIVELS AND SCOPE MOUNT- DATE: 2-1-73  
ED. PROV: FULKS SPORTING  
GOOD'S INC.  
CLARKSBURG, W.VA.  
 FIRED AMMO TYPE: \_\_\_\_\_ GUN #: 6247427  
 & CONDITION: \_\_\_\_\_ CODE: KS = 5/69  
 PROOF: R.E.P.-A INSP. 73 TEST: 87 GA./CAL.: 270 K...  
 HEADING: O.K. CHECKED BY: C. PROSSER  
 BREECH OPENING: - APPROVED: \_\_\_\_\_  
 RECOIL SHOULDERS: O.K. APPROVED: \_\_\_\_\_  
 CHAMBER: O.K. APPROVED: \_\_\_\_\_  
 TEST: NO APPROVED: \_\_\_\_\_  
 COMPONENT CONDITION: (Damaged, Broken, Old Style) APPROVED: \_\_\_\_\_

SEAR-TRIGGER CONNECTOR ENGAGEMENT .010 (MIN. .020)  
CONNECTOR CLEARANCE ON TRIGGER = 1.069 (MODEL = 1.076)  
OF TRIGGER PIN HOLE TO TOP OF TRIGGER = .974 (.973)  
DRAWING = 1.079

COMPLAINT: "FIRES WHEN SAFETY IS MOVED TO FIRE POSITION."INCIDENT: FOLLOW DOWN

COMMENTS: THE EXCESSIVE MOVEMENT BETWEEN TRIGGER &  
TRIGGER CONNECTOR WILL ALLOW INTERFERENCE  
BETWEEN THE SEAR AND CONNECTOR WHICH PREVENTS  
RETRACTION INTO COCKED POSITION. THE PRESENCE  
OF HARDENED LUBRICANT INCREASES THE POSSIBILITY  
OF A MALFUNCTION.

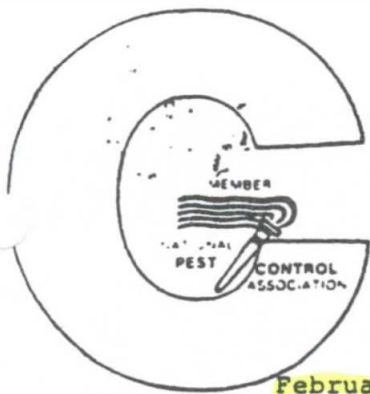
PLAINTIFF'S  
EXHIBIT

3176

AL 0029706







# Asash Termite & Pest Control

"For Making Laredo an Even Better Place to Live"  
1102 CLARK BLVD. LAREDO, TEXAS 78040



724-8125

February 10, 1983

Remington Arms Corp.  
936 Barnum Ave.  
P. O. Box 1939  
Bridgeport, Ct. 06601

Attn: Warranty Dept.

Gentlemen:

I have a collection of over 30 rifles and pistols.

Included in this collection is a Remington Model 700 Ser. No. A6373493, 243 Cal. rifle that was bought in the Laredo, Texas area a few years ago from a new gun dealer.

The rifle has been used on and off during our South Texas deer hunting season.

About four or five seasons ago my son Henry III age 13 at the time had an accidental firing of this rifle in my presence. Luckily, he was following all safety criteria, and the bullet did not strike anything. Being a hunter all my life, I did not accept this incident and took drastic action under the assumption that this incident was due to carelessness on the part of the boy and consequently did not let him hunt for the rest of the season so as to drive home a point.

Since he did not hunt, the rifle was not used again for a few years.

Two years ago while hunting and instructing my younger son Carlos on how to unload a rifle before getting on a blind, the rifle went off in my hands. Since I was instructing him on safely the rifle was pointed up. The bullet did not strike anything, and I passed it off as I just must have accidentally pulled the trigger during my demonstration. It was such a shock that I convinced myself that I was responsible for the accidental firing.

The rifle was handed over to Carlos, and he proceeded to climb the deer blind. As I drove off, I heard a shot and immediately returned and was informed by my son that all he had done was loaded the rifle flipped the safety from on to fire once or twice, and the rifle discharged going through the roof of the blind.

PX 182



IREM 0000604 1

Since this happened to a youngster, I still did not believe in a mechanical problem and proceeded to work the bolt and safety until it finally discharged. This happened after 20 or 30 openings closing off the bolt and flipping from safety to fire.

I took the rifle to a very reputable gunsmith in Laredo, Mr. Humberto Acevedo, and he explained to me that it was possible and he supposedly fixed it for me.

This season while hunting with my father-in-law (who has also hunted all his life) in my presence the rifle went off, and we had a close call but luckily the bullet did not strike anything. He at first commented that he had hunted all his life and this was the first time this happened to him, and he must have accidentally pulled the trigger before he was ready to fire.

I, somewhat shaken sat down and asked him to carefully go over the motions that led to this incident.

After he did, I got the rifle and worked the bolt and safety many times until it went off in my hands without pulling or touching the trigger. I must also add that the trigger pull has never been adjusted or tampered with other than by Mr. Acevedo when he fixed it, and the pull is a normal hunting pressure pull.

A life or lives could have been lost because of this malfunction and now I have lost all faith in that particular rifle, and I do not care to get it fixed by a gunsmith, the factory or anyone. I also do not want to sell it as it is because I do not want to have the responsibility of an accident.

I feel we have been more than lucky in not having any injury with so many accidental firings of this particular rifle and I am calling this to your attention with a request that you take this rifle back and send me either a refund or replace it with a new and safe equivalent rifle.

Yours truly,

Henry B. Fernandez, Jr.

HBF/ca

IREM 0000605 1

Dennis:  
When (if) rifle is received, forward to P.I.  
Committee immediately.  
JAS

bcc: E.F. Sienkiewicz  
J.R. Snedeker  
D.J. Sanita

February 23, 1983

Mr. Henry B. Fernandez, Jr.  
Asash Termites & Pest Control  
1102 Clark Blvd.  
Laredo, Texas 78040

Dear Mr. Fernandez:

Your letter of February 10, 1983 that was sent to our Bridgeport, Connecticut facility, regarding the accidental firings you have experienced with your Model 700 243 Win. caliber rifle, serial number A6373493, has been forwarded to this office for handling.

We were indeed sorry to learn of your having had a problem of the nature you described, as it is not representative of Remington quality, nor characteristic of the Model 700 rifle.

Generally, the type of incident you have described results from either improper adjustment of the trigger assembly outside our factory, foreign material, such as excessive lubrication, inside the trigger assembly, or, from pressure being inadvertently applied to the trigger while the safety is in the "fire" position.

Please, at your convenience, return the rifle via insured and collect transportation, to:

Remington Arms Company, Inc.  
Arms Service Division  
Ilion, New York 13357

Upon receipt, we will have our technicians thoroughly examine your rifle and, if it is found to be factory faulty, any necessary repairs or other corrections will be made on a no-charge basis. If

February 23, 1983

otherwise, a repair quotation will be sent for your approval prior to effecting any repairs.

Thank you for bringing this matter to our attention, Mr. Fernandez, and for having afforded us this opportunity to be of service.

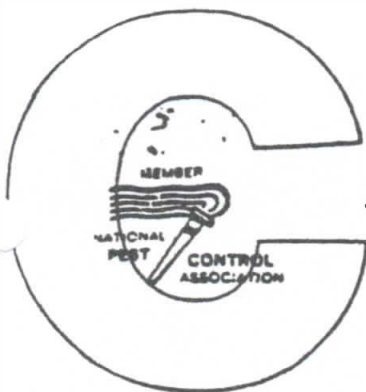
Sincerely,

J.A. Stakl, Supervisor  
Firearms Product Service

JAS:tp

REN 0000601





# Asash Termite & Pest Control

"For Making Laredo an Even Better Place to Live"  
1102 CLARK BLVD. LAREDO, TEXAS 78040

724-8125



RECEIVED

MAR 13 1983

J. A. STEKL

March 14, 1983

J. A. Stekl, Supervisor  
Firearms Product Service  
Remington Arms Co.  
Ilion, New York 13357

Dear Mr. Stekl,

I received your letter of February 23, 1983, and need to once again make reference to my previous letter.

I realize that you can not diagnose the problem without examining the rifle, and I intend to send it as soon as some very important points are clarified so you can rule out some of the possibilities that you enumerate in your letter.

Most important is that the rifle fires sometimes after moving the safety from safe to fire repeated times.

This has happened to me after deliberately moving the bolt and safety countless times back and forth until the rifle has fired.

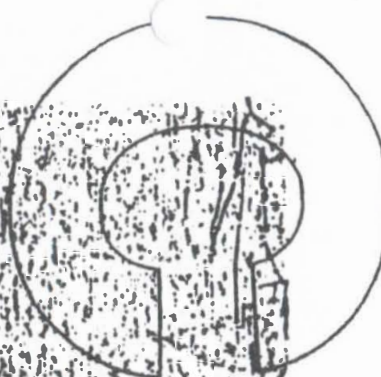
I want you to be aware of these facts and send me further instructions so that I can take the necessary action.

Your truly,

  
Henry B. Fernandez, Jr.

BBF/ca

IREN 0000609



March 18, 1983

Mr. Henry B. Fernandez, Jr.  
Asash Termite & Pest Control  
1102 Clark Blvd.  
Laredo, Texas 78040

Dear Mr. Fernandez:

Thank you for your letter of March 14, 1983, which further outlines the accidental firing you have experienced with your Model 700 243 Win. caliber rifle, serial number A6371A93.

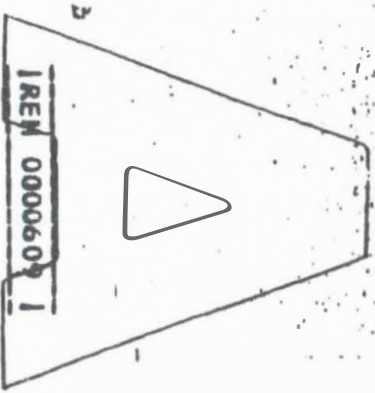
To reiterate, Mr. Fernandez, once we have received your rifle, it will be thoroughly examined and tested according to your description of the incidents. If the rifle is found to be defective in any way, the necessary corrections will be made on a no-charge basis.

We will await receipt of your rifle and will notify you of our findings immediately following our examination.

Sincerely,

J.H. Stahl, Supervisor  
Firearms Product Service

JS:cpp





Asash Termite & Pest Control  
"For Making Laredo  
an Even Better Place to Live"  
1102 Clark Blvd.  
LAREDO, TEXAS 78040

TO (512) 724-8126

J. A. STEEL  
Reaington News Co., J. A. STEEL  
1102 Clark Blvd.  
Laredo, New York 13357

RECEIVED  
OCT-3 1983

DATE  
SUBJECT

9-27-83

Asash Termite & Pest Control  
1102 Clark Blvd.  
Laredo, Texas

Mr. J. A. Steel,  
Steel, Litter and not. A shipping 1100-393  
5th AG 313493. Lord New  
Morse is, 100 Broadway, Santa Clara  
and it on April 25, 83  
Litter Club # 112-328  
Have nothing for your opinion  
and publication.

SIGNED

*[Signature]*

REM 0000610



**DON'T SAY IT-WRITE IT**

to D.J. SANITA location ARMS SERVICE 52-2  
From J.A. STEKJ. location PRODUCT SERVICE 52-4 Phone No. \_\_\_\_\_  
Subject R#13810 M/700 ADL 243 WIN. S.N. A6373493 Date 10-24-83

Please replace the trigger assembly on the subject rifle with a new-style assembly (no bolt-lock) at no charge.

Keep the old assembly for future reference.

Please expedite the work and the rifle's return to sender - Moore's, Laredo, Texas.

Thank you,

JAS:tp  
attach.

STOP, LOOK, AND LIVE



88

**DON'T SAY IT—WRITE IT**

To \_\_\_\_\_

Date \_\_\_\_\_

From \_\_\_\_\_

ITEM 0000121

Excessive vertical play of connector to trigger.

Trigger pull 2-1/2 #

Failed S&W test

Did appear to be adjustment of engagement adjusting screw.

SEAR - connector engaged - 0.02 inch

**YOUR SAFETY ATTENTION MEANS ACCIDENT PREVENTION**

# RECEIVING AND ESTIMATING REPORT

H-72328

ORDER R13810

DATE RECEIVED

ESTIMATED

DATE OPENED

5-16-83

VIA U.P.S.

MODEL AND GRADE

700 ADL 243 41 91

SERIAL NO.

16373493

DATE CODE

EL

10-76

FROM:

MOORE'S  
1901 G. L. Lupton CT  
Laredo, Texas  
78040

REPAIR CHARGE

INS.

UPS

PARCEL POST

TOTAL

\$

IN CONDITION: (NEW) (SLIGHTLY WORN) (VERY WORN) (MISUSED) (QUOTE)

CUSTOMER'S COMPLAINT

MAIN FAULT

DEFECT CODE

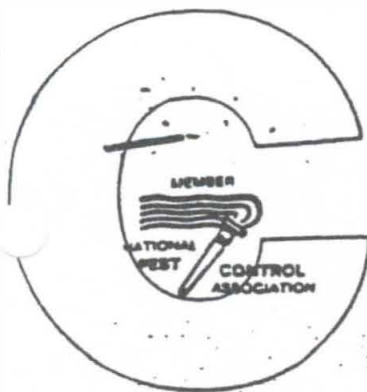
UNITS

FOR COMPUTER REFER. ONLY

PROCF

REN 0000613 1





# Asash Termite & Pest Control

"For Making Laredo an Even Better Place to Live"  
1102 CLARK BLVD. LAREDO, TEXAS 78040

724-8125



RECEIVED

OCT 24 1983

P.S. #1167

October 17, 1983

J. A. Stehl, Supervisor  
Firearms Product Service  
Remington Arms Co.  
Ilion, New York 13357

Dear Mr. Stehl:

I received your correspondence on the Remington ADL 700, 243 rifle, serial number A 6373493.

I will go along with your recommendations and will agree on your repalcing the assembly with your new style assembly.

Please take care of this for me and thank you very much for solving this problem.

Yours truly,

  
Henry B. Fernandez, Jr.

HBF/cf

RECEIVED

OCT 20 1983

ARMS SERVICE

REN 0000614

bcc: J.J. Sanita  
R-15810  
Hold for reply  
cc: Moores

October 10, 1983

Mr. Henry B. Fernandez, Jr.  
Asash Termite & Pest Control  
1102 Clark Blvd.  
Laredo, Texas 78040

Dear Mr. Fernandez:

Examination has been completed on the Model 700 ADL 243 Win. caliber rifle, serial number A6373493, that was returned to us by Moore's, because of the accidental firings you and your family experienced.

The returned rifle, which was produced in October of 1976, has been examined by our firearms experts who report that it contained our high-pressure proof test, gallery test, and final inspection stampings, indicating that it had successfully passed all our necessary tests prior to shipment.

The general condition of the gun appeared to be good, but it was noted that the stock contained numerous small dents and scratches, and bluing was worn off the muzzle and upper portions of barrel.

Examination of the trigger assembly disclosed the following:

1. Trigger pull was measured at 2½ pounds. This is well below our minimum specification.
2. The trigger connector sear engagement was measured at .012". This is much less than our minimum factory setting.
3. The trigger connector had too much clearance on the trigger, allowing excessive vertical movement of the connector. While you did not mention what your gunsmith did to the rifle in an attempt to fix it initially, indications are that the trigger assembly was improperly adjusted, at some time, after the rifle left our factory.

We are able to duplicate the malfunctions you described by abnormal manipulation of the trigger safety. However, normal operation of



C

H

October 10, 1983

-2-

the rifle did not produce any problems and, we can attribute the malfunctions to the facts that the trigger was out of adjustment and that the trigger connector-fit on the trigger was not correct.

We trust that we have clarified the circumstances that may have caused the accidental firings and, to insure that your faith in the rifle is restored, we would like to replace the trigger assembly, at no-charge, with the new-style assembly that is found on our current Model 700 rifle which does not have the bolt lock feature. This trigger design will allow the bolt to be opened with the safety switch in the "safe" position. Or, if you so desire, we can replace the assembly with a new one of the same design that is presently on your rifle. We will await your decision and reply.

We apologize for the inconvenience caused you and your sons, Mr. Fernandez, and thank you for having afforded us the opportunity to examine the rifle and to be of service to you.

Sincerely,

J.A. Stekl, Supervisor  
Product Service

JAS:tpg

A

IREM 0000616 1