

**REMINGTON ARMS COMPANY INC.  
ILION, NY PLANT SITE**

**TECHNICAL DIVISION  
TEST & MEASUREMENTS LAB**

**TEST REPORT**

**M/700 LH XMP Trigger Assembly  
DAT – Trial & Pilot**

**Request # 20070034**

**DATE: 9/24/07**

**Requested by: J. Doolittle  
Prepared by: R. Joy**

**DISTRIBUTION LIST**

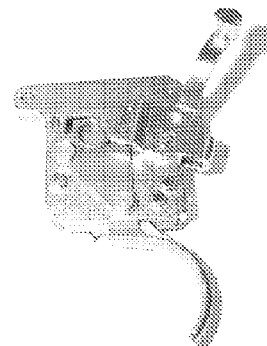
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**ABSTRACT:**

Remington has redesigned its bolt action trigger assembly incorporating a number of new features. The new design, called the "X-Mark Pro™" was successfully released in the M/700 and the Model Seven. The design enhancements were also extended to the Model 700 Left Hand. The Test Lab received a request to evaluate the first production run of Model 700 Left Hand XMP trigger assemblies.

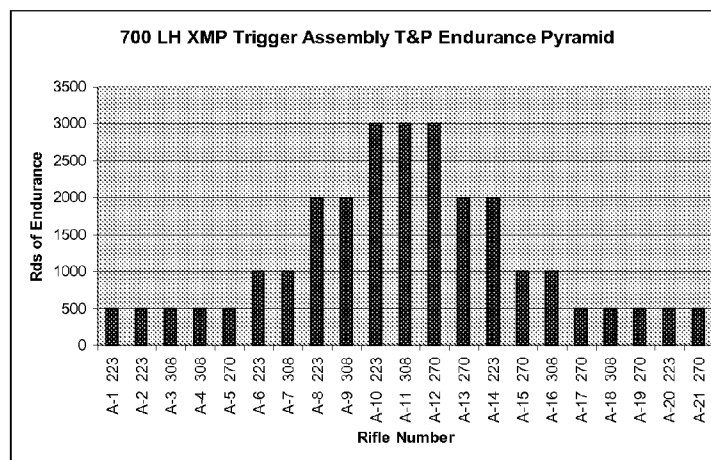
The samples of Left Hand XMP trigger assemblies submitted individually as trigger assemblies, and assembled to finished host rifles all passed testing successfully. Full test data from the host rifles is being furnished with this report as a convenience to Production and Manufacturing Engineering to assist them with any needed *rifle* follow-up activity.

**SCOPE:**

Ten individual trigger assemblies and thirty completely finished Model 700 Left Hand rifles containing the XMP trigger assembly were received for testing. The rifles were tested in 3 calibers including 7 rifles each in 223 Rcm, 270 Win and 308 Win.

Individual trigger assemblies were each subjected to dry-cycle testing to 10,000 cycles. Before the dry-cycling began, all trigger assemblies were checked for proper assembly and trigger-pull force and sear-lift was measured. The trigger assemblies subjected to dry-cycling were rechecked at 5000 cycles and again at 10000 cycles for trigger-pull and sear-lift.

The finished rifles received the standard series of measurements including trigger-pull, sear-lift and safety operation force. Following the measurement phase rifles were drop-tested. Another group was subjected to extensive jack-testing followed by field function testing. The safety was operated between each string of 5 rounds. The following graph gives the endurance test assignments with the number of rounds:

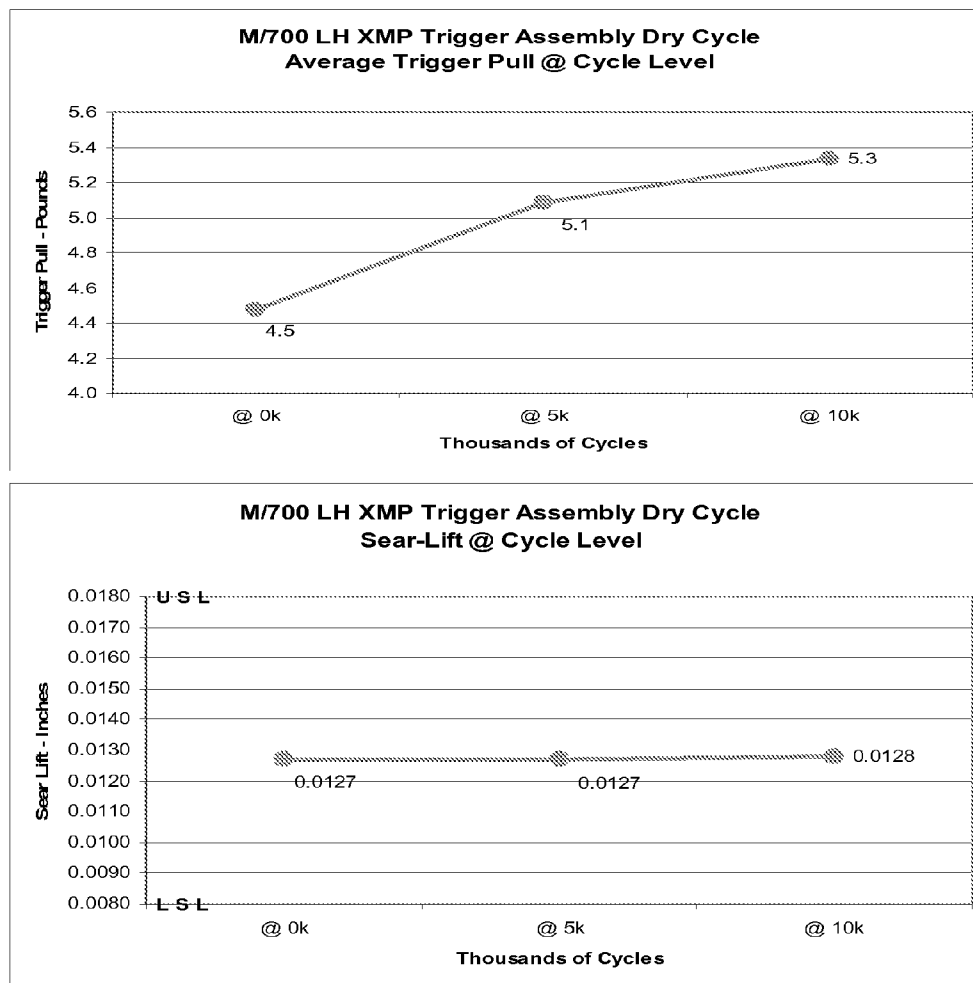


**RESULTS:****Dry-Cycle Summary:**

Each of the ten individual trigger assemblies was mounted in automated, computer-controlled fixture that operates the bolt, the safety and the trigger in the same manner that a shooter would.

A complete bolt assembly and receiver are included in the setup. The bolt is fully cocked to load the sear, the safety is operated and then the trigger pulled to complete the cycle. The trigger assemblies received only lubrication attention. Trigger-pull and sear-lift measurements were taken after 5,000 cycles, half-way though the test.

All ten trigger assemblies endured the entire 10,000 dry-cycles without damage or parts working loose. The following graph shows a .8 pound increase in trigger-pull force even though the adjustment screws held tightly. Sear-lift is shown to have held steady throughout the test at just under .013 with a specification of .008 to .018.



**Measurement Summary:**

Measurements taken on all of the thirty rifles received for testing were found to be within specifications as received. Initial measurement data is shown in the chart below:

| Ref            | Caliber | Serial # | Trigger Pull (lbs) | Safety Force (lbs) |            | Bolt Lift Force (lbs) |            | Head space Min + (in) | Sear Lift (in) | Firing Pin Indent (in) |
|----------------|---------|----------|--------------------|--------------------|------------|-----------------------|------------|-----------------------|----------------|------------------------|
|                |         |          |                    | To On              | To Off     | Cocked                | Fired      |                       |                |                        |
| A-1            | 223 Rem | G6416876 | 4.8                | 6.9                | 2.5        | 2.5                   | 6.2        | 0.001                 | 0.012          | 0.0212                 |
| A-2            | 223 Rem | G6416737 | 4.2                | 7.2                | 2.5        | 2.4                   | 5.2        | 0.001                 | 0.013          | 0.0212                 |
| A-3            | 308 Win | G6419182 | 5.2                | 7.3                | 2.8        | 2.1                   | 5.4        | 0.003                 | 0.041          | 0.0200                 |
| A-4            | 308 Win | G6416473 | 4.6                | 6.8                | 2.6        | 2.5                   | 5.1        | 0.004                 | 0.013          | 0.0200                 |
| A-5            | 270 Win | G6518019 | 6.5                | 8.0                | 2.6        | 2.8                   | 6.0        | 0.002                 | 0.014          | 0.0240                 |
| A-6            | 223 Rem | G6416849 | 4.5                | 6.6                | 2.6        | 3.1                   | 6.1        | 0.002                 | 0.012          | 0.0215                 |
| A-7            | 308 Win | G6416500 | 4.4                | 6.8                | 2.7        | 2.8                   | 5.9        | 0.003                 | 0.013          | 0.0195                 |
| A-8            | 223 Rem | G6417517 | 5.3                | 6.1                | 2.5        | 2.2                   | 4.9        | 0.003                 | 0.011          | 0.0212                 |
| A-9            | 308 Win | G6417873 | 4.8                | 7.0                | 2.7        | 2.3                   | 6.2        | 0.003                 | 0.013          | 0.0202                 |
| A-10           | 223 Rem | G6416863 | 4.2                | 7.1                | 2.5        | 2.7                   | 6.1        | 0.002                 | 0.012          | 0.0217                 |
| A-11           | 308 Win | G6417216 | 4.5                | 7.1                | 2.4        | 2.6                   | 5.5        | 0.003                 | 0.012          | 0.0200                 |
| A-12           | 270 Win | G6517529 | 4.8                | 9.0                | 3.0        | 3.4                   | 6.6        | 0.014                 | 0.014          | 0.0230                 |
| A-13           | 270 Win | G6517431 | 4.9                | 7.7                | 2.6        | 2.5                   | 7.2        | 0.001                 | 0.013          | 0.0222                 |
| A-14           | 223 Rem | G6417484 | 4.6                | 7.0                | 2.5        | 3.3                   | 6.0        | 0.003                 | 0.013          | 0.0210                 |
| A-15           | 270 Win | G6517963 | 4.1                | 6.9                | 2.5        | 3.2                   | 6.4        | 0.001                 | 0.012          | 0.0227                 |
| A-16           | 308 Win | G6416276 | 4.7                | 6.0                | 2.6        | 2.9                   | 5.5        | 0.003                 | 0.011          | 0.0205                 |
| A-17           | 270 Win | G6518109 | 4.1                | 7.6                | 2.6        | 3.0                   | 6.7        | 0.002                 | 0.013          | 0.0238                 |
| A-18           | 308 Win | G6419156 | 4.3                | 7.2                | 2.5        | 2.0                   | 5.2        | 0.004                 | 0.014          | 0.0197                 |
| A-19           | 270 Win | G6517453 | 3.7                | 8.0                | 2.5        | 2.4                   | 6.4        | 0.002                 | 0.012          | 0.0253                 |
| A-20           | 223 Rem | G6417487 | 4.7                | 6.9                | 2.7        | 2.2                   | 5.7        | 0.002                 | 0.012          | 0.0217                 |
| A-21           | 270 Win | G6517949 | 4.7                | 8.8                | 3.0        | 3.1                   | 7.4        | 0.002                 | 0.014          | 0.0233                 |
| A-22           | 223 Rem | G6416329 | 4.3                | 7.8                | 2.7        | 2.5                   | 6.1        | 0.001                 | 0.014          | 0.0212                 |
| A-23           | 223 Rem | G6416058 | 4.6                | 7.0                | 2.4        | 2.3                   | 6.1        | 0.001                 | 0.012          | 0.0213                 |
| A-24           | 223 Rem | G6416028 | 4.3                | 7.7                | 2.8        | 2.3                   | 5.9        | 0.003                 | 0.014          | 0.0218                 |
| A-25           | 308 Win | G6417178 | 4.2                | 6.9                | 2.4        | 2.3                   | 5.3        | 0.001                 | 0.013          | 0.0205                 |
| A-26           | 308 Win | G6416395 | 4.5                | 7.6                | 2.5        | 2.8                   | 5.5        | 0.003                 | 0.013          | 0.0200                 |
| A-27           | 308 Win | G6419125 | 4.5                | 7.2                | 2.6        | 2.8                   | 5.2        | 0.003                 | 0.013          | 0.0202                 |
| A-28           | 270 Win | G6518501 | 5.3                | 7.3                | 2.5        | 4.5                   | 6.8        | 0.002                 | 0.013          | 0.0240                 |
| A-29           | 270 Win | G6518511 | 4.5                | 7.3                | 2.6        | 3.0                   | 6.7        | 0.002                 | 0.014          | 0.0235                 |
| A-30           | 270 Win | G6517438 | 4.1                | 7.0                | 2.4        | 3.3                   | 6.6        | 0.003                 | 0.012          | 0.0245                 |
| <b>Average</b> |         |          | <b>4.6</b>         | <b>7.3</b>         | <b>2.6</b> | <b>2.7</b>            | <b>6.0</b> | <b>0.003</b>          | <b>0.0137</b>  | <b>0.0217</b>          |

**Drop-Test Summary:**

Nine of the thirty rifles received were subjected to SAAMI Jar-Off, Drop and Rotation testing. No trigger or firing related problems were detected in this test. The sole issue encountered was 3 instances of FPO (Floor Plate Opens) caused by the energetic jarring of the action causing the floor plate to become unlatched. A complete summary of the test series follows:

## Drop-test Summary Data:

| JAR OFF TEST (See S.A.A.M.I. volume VII, centerfire rifle, section 7.95.04)                   |          |        |        |        |        |         |         |
|-----------------------------------------------------------------------------------------------|----------|--------|--------|--------|--------|---------|---------|
| 12 inch drop measured from the lowest point of the firearm. Firearm in the SAFE OFF position. |          |        |        |        |        |         |         |
| Fire Arm                                                                                      | Serial # | BV, MU | BV, MD | BH, BD | BH, BU | BH, RSU | BH, LSU |
| A22                                                                                           | G6416329 | OK     | OK     | OK     | OK     | OK      | OK      |
| A23                                                                                           | G6416058 | OK     | OK     | OK     | OK     | OK      | OK      |
| A24                                                                                           | G6416028 | OK     | OK     | OK     | OK     | OK      | OK      |
| A25                                                                                           | G6417178 | OK     | OK     | OK     | OK     | OK      | OK      |
| A26                                                                                           | G6416395 | OK     | OK     | OK     | OK     | OK      | OK      |
| A27                                                                                           | G6419125 | OK     | OK     | OK     | OK     | OK      | OK      |
| A28                                                                                           | G6518501 | OK     | OK     | OK     | OK     | OK      | OK      |
| A29                                                                                           | G6518511 | OK     | OK     | OK     | OK     | OK      | OK      |
| A30                                                                                           | G6517438 | OK     | OK     | OK     | OK     | OK      | OK      |

| DROP TEST (see S.A.A.M.I. volume VII, centerfire rifle, section 7.95.02)                          |          |        |        |          |        |          |         |
|---------------------------------------------------------------------------------------------------|----------|--------|--------|----------|--------|----------|---------|
| 48 inch drop measured from the center of gravity of the firearm. Firearm in the SAFE ON position. |          |        |        |          |        |          |         |
| Fire Arm                                                                                          | Serial # | BV, MU | BV, MD | BH, BD   | BH, BU | BH, RSU  | BH, LSU |
| A22                                                                                               | G6416329 | OK     | OK     | OK       | OK     | OK       | OK      |
| A23                                                                                               | G6416058 | OK     | OK     | OK       | OK     | OK       | OK      |
| A24                                                                                               | G6416028 | OK     | OK     | OK       | OK     | OK (FPO) | OK      |
| A25                                                                                               | G6417178 | OK     | OK     | OK       | OK     | OK       | OK      |
| A26                                                                                               | G6416395 | OK     | OK     | OK       | OK     | OK (FPO) | OK      |
| A27                                                                                               | G6419125 | OK     | OK     | OK (FPO) | OK     | OK       | OK      |
| A28                                                                                               | G6518501 | OK     | OK     | OK       | OK     | OK       | OK      |
| A29                                                                                               | G6518511 | OK     | OK     | OK       | OK     | OK       | OK      |
| A30                                                                                               | G6517438 | OK     | OK     | OK       | OK     | OK       | OK      |

FPO- Floor Plate Opens

| ROTATION TEST (see S.A.A.M.I. volume VII, centerfire rifle, section 7.95.03)                         |          |              |  |               |
|------------------------------------------------------------------------------------------------------|----------|--------------|--|---------------|
| With the butt on the mat, let the firearm fall to the right & left. Firearm in the SAFE ON position. |          |              |  |               |
|                                                                                                      |          | LEFT SIDE UP |  | RIGHT SIDE UP |
| A22                                                                                                  | G6416329 | OK           |  | OK            |
| A23                                                                                                  | G6416058 | OK           |  | OK            |
| A24                                                                                                  | G6416028 | OK           |  | OK            |
| A25                                                                                                  | G6417178 | OK           |  | OK            |
| A26                                                                                                  | G6416395 | OK           |  | OK            |
| A27                                                                                                  | G6419125 | OK           |  | OK            |
| A28                                                                                                  | G6518501 | OK           |  | OK            |
| A29                                                                                                  | G6518511 | OK           |  | OK            |
| A30                                                                                                  | G6517438 | OK           |  | OK            |

## Key to Test Details:

| DROP ORDER | FIREARM ATTITUDES                |
|------------|----------------------------------|
| 1          | BARREL VERTICAL, MUZZLE UP       |
| 2          | BARREL VERTICAL, MUZZLE DOWN     |
| 3          | BARREL HORIZONTAL, BOTTOM DOWN   |
| 4          | BARREL HORIZONTAL, BOTTOM UP     |
| 5          | BARREL HORIZONTAL, RIGHT SIDE UP |
| 6          | BARREL HORIZONTAL, LEFT SIDE UP  |

|     |                   |
|-----|-------------------|
| BH  | Barrel Horizontal |
| BV  | Barrel Vertical   |
| MU  | Muzzle Up         |
| MD  | Muzzle Down       |
| BD  | Bottom Down       |
| BU  | Bottom Up         |
| LSU | Left Side Up      |
| RSU | Right Side Up     |

**Endurance Summary:**

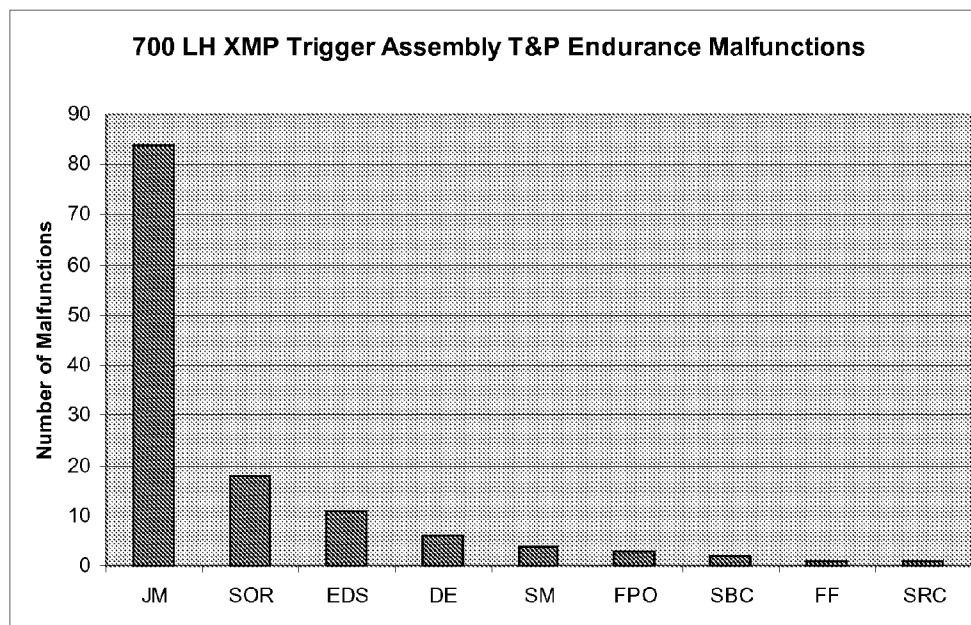
As shown on page 2, rifles A-1 through A-21 received endurance testing in a test jack. The test assignments were designed to insure that all 3 calibers were represented in the highest level test of 3000 rounds and that the overall test was well distributed among the 3 calibers. The calibers themselves were selected to offer a range of firing impulses from relatively light to relatively heavy.

26000 rounds were fired with a total of 129 malfunctions, producing an overall malfunction rate of just 0.5%. 109 of the malfunctions were feeding related and most occurred in one rifle. The table below summarizes the malfunctions:

| JACK FUNCTION & ENDURANCE TEST SUMMARY |          |           |                 |           |      |     |     |    |    |     |     |    |     |
|----------------------------------------|----------|-----------|-----------------|-----------|------|-----|-----|----|----|-----|-----|----|-----|
| MALFUNCTIONS SORTED BY SERIAL NUMBER   |          |           |                 |           |      |     |     |    |    |     |     |    |     |
|                                        | Serial # | # of Malf | # of Rds. Fired | Malf Rate | JM   | SOR | EDS | DE | SM | FPO | SBC | FF | SLC |
| A-1                                    | 223      | G6416876  | 0               | 500       | 0.0% |     |     |    |    |     |     |    |     |
| A-2                                    | 223      | G6416737  | 0               | 500       | 0.0% |     |     |    |    |     |     |    |     |
| A-3                                    | 308      | G6419182  | 0               | 500       | 0.0% |     |     |    |    |     |     |    |     |
| A-4                                    | 308      | G6416473  | 0               | 500       | 0.0% |     |     |    |    |     |     |    |     |
| A-5                                    | 270      | G6518019  | 1               | 500       | 0.2% |     |     |    |    |     | 1   |    |     |
| A-6                                    | 223      | G6416849  | 19              | 1000      | 1.9% | 19  |     |    |    |     |     |    |     |
| A-7                                    | 308      | G6416500  | 0               | 1000      | 0.0% |     |     |    |    |     |     |    |     |
| A-8                                    | 223      | G6417517  | 6               | 2000      | 0.3% |     |     | 6  |    |     |     |    |     |
| A-9                                    | 308      | G6417873  | 0               | 2000      | 0.0% |     |     |    |    |     |     |    |     |
| A-10                                   | 223      | G6416863  | 88              | 3000      | 2.9% | 65  | 18  |    | 4  |     |     | 1  |     |
| A-11                                   | 308      | G6417216  | 0               | 3000      | 0.0% |     |     |    |    |     |     |    |     |
| A-12                                   | 270      | G6517529  | 11              | 3000      | 0.4% |     | 11  |    |    |     |     |    |     |
| A-13                                   | 270      | G6517431  | 0               | 2000      | 0.0% |     |     |    |    |     |     |    |     |
| A-14                                   | 223      | G6417494  | 0               | 2000      | 0.0% |     |     |    |    |     |     |    |     |
| A-15                                   | 270      | G6517963  | 1               | 1000      | 0.1% |     |     |    |    |     | 1   |    |     |
| A-16                                   | 308      | G6416276  | 0               | 1000      | 0.0% |     |     |    |    |     |     |    |     |
| A-17                                   | 270      | G6518109  | 0               | 500       | 0.0% |     |     |    |    |     |     |    |     |
| A-18                                   | 308      | G6419156  | 0               | 500       | 0.0% |     |     |    |    |     |     |    |     |
| A-19                                   | 270      | G6517453  | 0               | 500       | 0.0% |     |     |    |    |     |     |    |     |
| A-20                                   | 223      | G6417487  | 0               | 500       | 0.0% |     |     |    |    |     |     |    |     |
| A-21                                   | 270      | G6517949  | 3               | 500       | 0.6% |     |     |    |    | 3   |     | 1  |     |
| TOTALS                                 |          | 129       | 26000           | 0.5%      | 84   | 18  | 11  | 6  | 4  | 3   | 2   | 1  | 0   |

The single FF (Fails to Fire) malfunction on rifle A-21 was not a failure of the trigger assembly but was caused by a lack of lubrication after 360 rounds were fired. A-21 completed the remainder of the test without further incident after lubrication of the trigger assembly per instructions in the owner's manual.

| Key to Malfunctions |                      |
|---------------------|----------------------|
| DE                  | Doesn't Eject        |
| EDS                 | Ejector Drops Shell  |
| FF                  | Fails to Fire        |
| FPO                 | Floor Plate Opens    |
| JM                  | Jumps Magazine       |
| SBC                 | Stems Bottom Chamber |
| SLC                 | Stems Left Chamber   |
| SOR                 | Stem Over Ride       |
| SM                  | Stems Magazine       |
| STC                 | Stems Top Chamber    |

**Endurance Ammunition:**

| Ammunition: 270 Win |            |                                     |
|---------------------|------------|-------------------------------------|
| R270W1              | Remington  | 100 gr Pointed Soft Point           |
| R270W2              | Remington  | 130 gr Core-Lokt Pointed Soft Point |
| R270W3              | Remington  | 130 gr Bronze Point                 |
| R270W4              | Remington  | 150 gr Core-Lokt Soft Point         |
| PRA270WA            | Remington  | 130 gr Accu Tip Boat Tail           |
| PRC270WB            | Remington  | 140 gr Core-Lokt Ultra Bonded PSP   |
| RS270WA             | Remington  | 140 gr A-Frame PSP                  |
| PRSC270WA           | Remington  | 130 gr Swift Scirocco Bonded        |
| P270F               | Federal    | 130 gr Nosler Ballistic Tip         |
| P270C               | Federal    | 150 gr Sierra GameKing Boat Tail SP |
| P270T2              | Federal    | 130 gr Trophy Bonded Bear Claw      |
| X2703               | Winchester | 130 gr Super-X Silvertip            |
| X2704               | Winchester | 150 gr Super-X Power Point          |
| SBST270             | Winchester | 130 gr Supreme Ballistic Silvertip  |

| Ammunition: 223 Rem |            |                                    |
|---------------------|------------|------------------------------------|
| R223R1              | Remington  | 55 gr Pointed Soft Point           |
| R223R3              | Remington  | 55 gr Metal Case                   |
| R223R6              | Remington  | 62 gr Hollow Point (Match)         |
| L223R7              | Remington  | 45 gr Jacketed Hollow Point        |
| PRA223RB            | Remington  | 50 gr Accutip-V Boat Tail          |
| PRA223RC            | Remington  | 55 gr Accutip-V Boat Tail          |
| P223F               | Federal    | 55 gr Nosler Ballistic Tip         |
| P223E               | Federal    | 55 gr Sierra GameKing BoatTail HP  |
| GM223M              | Federal    | 69 gr Sierra MatchKing BoatTail HP |
| XM193               | Federal    | 55 gr Metal Case Boat Tail         |
| SBST223             | Winchester | 50 gr Ballistic Silvertip          |
| X223R               | Winchester | 55 gr Pointed Soft Point           |

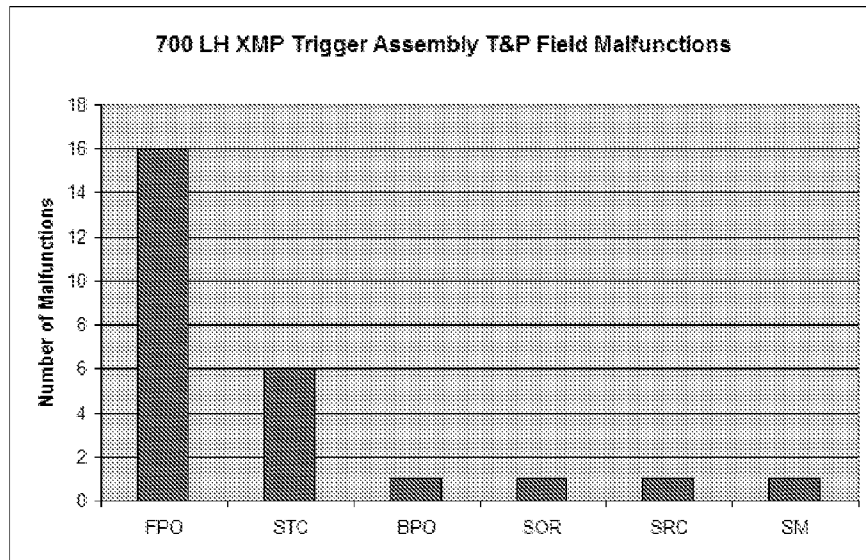
| Ammunition 308 Win |            |                                      |
|--------------------|------------|--------------------------------------|
| R308W1             | Remington  | 150 gr Core-Lokt Pointed Soft Point  |
| PRC308WC           | Remington  | 180 gr Core-Lokt Ultra               |
| R308W2             | Remington  | 180 gr Core-Lokt Soft Point          |
| PRC308WA           | Remington  | 150 gr Core-Lokt Ultra               |
| PRP308WB           | Remington  | 180 gr Nosler Partition              |
| PRA308WB           | Remington  | 185 gr Accutip Boat Tail             |
| RM308W7            | Federal    | 180 gr Match King Boat Tail HP       |
| P308C              | Federal    | 185 gr Sierra Game King Boat Tail SP |
| P308F              | Federal    | 150 gr Nosler Ballistic Tip          |
| P308E              | Federal    | 180 gr Nosler Partition              |
| GM308M             | Federal    | 168 gr Sierra Match King BTHP        |
| SBST308            | Winchester | 150 gr Ballistic Silvertip           |
| X3086              | Winchester | 180 gr Power Point                   |
| SBST308A           | Winchester | 168 gr Ballistic Silvertip           |

### Field Test Summary:

The same types of ammunition listed for the endurance test were also used to conduct the field test. 2800 total rounds of ammunition were fired through 21 rifles with an overall malfunction rate of 0.9%. 16 of the 26 malfunctions were FPO (Floor Plate Opens) occurring in the same rifle. No malfunctions were chargeable to the trigger assembly.

| FUNCTION TEST SUMMARY                |              |               |                    |               |     |     |     |     |     |    |
|--------------------------------------|--------------|---------------|--------------------|---------------|-----|-----|-----|-----|-----|----|
| MALFUNCTIONS SORTED BY SERIAL NUMBER |              |               |                    |               |     |     |     |     |     |    |
|                                      | Serial #     | # of<br>Malfr | # of<br>Rds. Fired | Malfr<br>Rate | FPO | STC | BPO | SOR | SRC | SM |
| A-1                                  | 223 G6416876 | 1             | 120                | 0.8%          |     |     |     |     |     | 1  |
| A-2                                  | 223 G6416737 | 0             | 120                | 0.0%          |     |     |     |     |     |    |
| A-3                                  | 308 G6419182 | 4             | 140                | 2.9%          |     | 3   |     |     | 1   |    |
| A-4                                  | 308 G6416473 | 0             | 140                | 0.0%          |     |     |     |     |     |    |
| A-5                                  | 270 G6518019 | 0             | 140                | 0.0%          |     |     |     |     |     |    |
| A-6                                  | 223 G6416849 | 1             | 120                | 0.8%          |     | 1   |     |     |     |    |
| A-7                                  | 308 G6416500 | 0             | 140                | 0.0%          |     |     |     |     |     |    |
| A-8                                  | 223 G6417517 | 2             | 120                | 1.7%          |     | 2   |     |     |     |    |
| A-9                                  | 308 G6417873 | 0             | 140                | 0.0%          |     |     |     |     |     |    |
| A-10                                 | 223 G6416863 | 1             | 120                | 0.8%          |     |     |     | 1   |     |    |
| A-11                                 | 308 G6417216 | 0             | 140                | 0.0%          |     |     |     |     |     |    |
| A-12                                 | 270 G6517529 | 0             | 140                | 0.0%          |     |     |     |     |     |    |
| A-13                                 | 270 G6517431 | 0             | 140                | 0.0%          |     |     |     |     |     |    |
| A-14                                 | 223 G6417484 | 0             | 120                | 0.0%          |     |     |     |     |     |    |
| A-15                                 | 270 G6517963 | 0             | 140                | 0.0%          |     |     |     |     |     |    |
| A-16                                 | 308 G6416276 | 0             | 140                | 0.0%          |     |     |     |     |     |    |
| A-17                                 | 270 G6518109 | 1             | 140                | 0.7%          |     |     | 1   |     |     |    |
| A-18                                 | 308 G6419156 | 0             | 140                | 0.0%          |     |     |     |     |     |    |
| A-19                                 | 270 G6517453 | 0             | 140                | 0.0%          |     |     |     |     |     |    |
| A-20                                 | 223 G6417487 | 0             | 120                | 0.0%          |     |     |     |     |     |    |
| A-21                                 | 270 G6517949 | 16            | 140                | 11.4%         | 16  |     |     |     |     |    |
| TOTALS                               |              | 26            | 2800               | 0.9%          | 16  | 6   | 1   | 1   | 1   | 1  |

| Key to Malfunctions |                     |
|---------------------|---------------------|
| BPO                 | Bolt Pulls Out      |
| FPO                 | Floor Plate Opens   |
| SM                  | Stems Magazine      |
| SOR                 | Stern Over Ride     |
| SRC                 | Stems Right Chamber |
| STC                 | Stems Top Chamber   |



#### CONCLUSIONS:

The samples of Left Hand XMP trigger assemblies submitted individually as trigger assemblies, and assembled to finished host rifles all passed testing successfully.