

TLW 1447 X

Project No. 241314

7MM REM MAG

**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****JAR-OFF TEST**

Firecontrol No. A-6 Firecontrol Type: STANDARD Date: 5-7-04

Dry Cycles/Rounds Completed: Stock Type SYN

Engagement at Start (1) .0357 (2) .0357 (3) .0357 Average .03570

Engagement at End (1) .0255 (2) .0256 (3) .0256 Average .02556

Model No. 710 Serial No. 71163040

Trigger Pull at Start of Test (1) 4.589 (2) 4.669 (3) 4.537 (4) 4.569 (5) 4.486

Average Trigger Pull at Start of Test: 4.570 Std. Dev. of Trigger Pull at Start of Test:

Trigger Pull at End of Test (1) 4.703 (2) 4.602 (3) 4.579 (4) 4.826 (5) 4.807

Average Trigger Pull at End of Test: 4.703 Std. Dev. of Trigger Pull at End of Test:

Tester Initials: SW/BL

Additional Notes and Comments

83

For additional details on the proper procedures to be used for this Test Procedure refer to:

ANSI / SAAMI Z299.5-1990

**SAAMI Specifications for Standard Jar-Off Test:**

**Jar-Off Test:** 12-inch drop - onto 1" thick 85 Durometer (Shore A) Rubber Matt  
 Firearm ready to fire. Safe in "Fire" position, Fresh Primed Case in Chamber, Magazine loaded to capacity with Dummy Rounds.  
 After each drop, fire Primed Case to verify firearm will still function.

12 inch drop (safety in "Fire" position) - one drop per orientation.

**Note:** for Firearms with the ISS system installed - The ISS will be set in the **unlocked**  
 position for all six orientations of the Jar-Off Test

| Orientation                                | ISS Unlocked   | Comments |
|--|--|----------|
| Barrel Vertical, Muzzle Up:                | Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/> |          |
| Barrel Vertical, Muzzle Down:              | Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/> |          |
| Barrel Horizontal, Left side of Stock Up:  | Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/> |          |
| Barrel Horizontal, Right side of Stock Up: | Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/> |          |
| Barrel Horizontal, Bottom of Stock Up:     | Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/> |          |
| Barrel Horizontal, Bottom of Stock Down:   | Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/> |          |

Notes: (continue on back of sheet if necessary)

Tester's Initials SW/BL

 Page 1 of 3  
 Z101\DROPTEST\_REV5.DOC

ET21539

TLW 1447 YProject No. 241314**7MM REM MAG S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****ROTATION TEST**

Firecontrol No. A-6 Firecontrol Type: Standard Date: 5-7-04  
Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type SYN  
Engagement at Start (1) .0255 (2) .0256 (3) .0256 Average .02556  
Engagement at End (1) .0256 (2) .0253 (3) .0254 Average .02543  
Model No. 710 Serial No. 71163040  
Trigger Pull at Start of Test (1) 4.611 (2) 4.522 (3) 4.547 (4) 4.480 (5) 4.549  
Average Trigger Pull at Start of Test: 4.542 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
Trigger Pull at End of Test (1) 4.479 (2) 4.515 (3) 4.421 (4) 4.532 (5) 4.583  
Average Trigger Pull at End of Test: 4.506 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: SW/BL

Additional Notes and Comments

For additional details on the proper procedures to be used for this Test Procedure refer to:

ANSI / SAAMI Z299.5-1990

**SAAMI Specifications for Standard Rotation Test:**

**Rotation Test:** Rest Firearm on the Butt end and allow Firearm to fall  
Drop - onto 1" thick 85 Durometer (Shore A) Rubber Matt  
Firearm not ready to fire, Safe in "Safe" position, Fresh Primed Case  
in Chamber, Magazine loaded to capacity with Dummy Rounds.  
After each drop Fire Primed Case to verify firearm will still function.

"Rotation Test" (safety in "Safe" position) - one drop per orientation.

Note: for Firearms with the ISS system installed - The Firearms will be set with the  
ISS system in the unlocked position for both orientations of the Rotation Test.

| Orientation  | ISS Unlocked  | Comments |
|--|---|----------|
| Firearm Vertical, Drop so left side of Stock is Up:  | Pass <input checked="" type="checkbox"/> Fail _____ |          |
| Firearm Vertical, Drop so right side of Stock is Up: | Pass <input checked="" type="checkbox"/> Fail _____ |          |

Notes: (continue on back of sheet if necessary)

Tester's Initials

SW/BL

Page 2 of 3  
Z101NDROPTTEST\_REV5.DOC

ET21540

TLW 1447 WProject No. 241314

7MM REM MAG

**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****DROP TEST**

Firecontrol No. A76 Firecontrol Type: Standard Date: 5-7-04  
Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type SYN Engagement at Start \_\_\_\_\_  
Engagement at Start (1) .0256 (2) .0253 (3) .0254 Average .02543  
Engagement at End (1) .0257 (2) .0256 (3) .0256 Average .02563  
Model No. 710 Serial No. 71163040 Engagement at End \_\_\_\_\_  
Trigger Pull at Start of Test (1) 4.479 (2) 4.515 (3) 4.421 (4) 4.532 (5) 4.583  
Average Trigger Pull at Start of Test: 4.506 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
Trigger Pull at End of Test (1) 4.354 (2) 4.377 (3) 4.382 (4) 4.389 (5) 4.424  
Average Trigger Pull at End of Test: 4.385 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: SW/BL

Additional Notes and Comments

83

For additional details on the proper procedures to be used for this Test Procedure refer to:

ANSI/SAAMI Z299.5-1990

**SAAMI Specifications for Standard Drop Test:****Drop Test:**

48-inch drop - onto 1" thick 85 Durometer (Shore A) Rubber Matt  
Firearm not ready to fire, Safe in "Safe" position, Fresh Primed Case  
in Chamber, Magazine loaded to capacity with Dummy Rounds.  
After each drop Fire Primed Case to verify firearm will still function.

48 inch drop (safety in "Safe" position) - one drop per orientation.

Note: for Firearms with the ISS system installed - The Firearms will be set with the

ISS system in the unlocked position for all six orientations of the Drop Test

| Orientation                                | ISS Unlocked  | Comments              |
|--|---|-----------------------|
| Barrel Vertical, Muzzle Up:                | Pass <input checked="" type="checkbox"/> Fail _____ |                       |
| Barrel Vertical, Muzzle Down:              | Pass <input checked="" type="checkbox"/> Fail _____ |                       |
| Barrel Horizontal, Left side of Stock Up:  | Pass <input checked="" type="checkbox"/> Fail _____ |                       |
| Barrel Horizontal, Right side of Stock Up: | Pass <input checked="" type="checkbox"/> Fail _____ |                       |
| Barrel Horizontal, Bottom of Stock Up:     | Pass <input checked="" type="checkbox"/> Fail _____ | <u>Bent the scope</u> |
| Barrel Horizontal, Bottom of Stock Down:   | Pass <input checked="" type="checkbox"/> Fail _____ |                       |

Notes: (continue on back of sheet if necessary)

check insert (crushed pictures taken)Tester's Initials SW/BLPage 3 of 3  
Z101DROPTTEST\_REV5.DOC

ET21541