

TLW 1447X

Project No. 241314

## 7MM REM MAG S.A.A.M.I. JAR-OFF, DROP &amp; ROTATION TEST

## JAR-OFF TEST

Firecontrol No. A-10 Firecontrol Type: STANDARD Date: 5-7-04  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type SVN  
 Engagement at Start (1) .0255 (2) .0256 (3) .0255 Average .02553  
 Engagement at End (1) .0251 (2) .0251 (3) .0255 Average .02523  
 Model No. 710 Serial No. 71163068  
 Trigger Pull at Start of Test (1) 4.462 (2) 4.609 (3) 4.536 (4) 4.470 (5) 4.512  
 Average Trigger Pull at Start of Test: 4.578 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.580 (2) 4.551 (3) 4.531 (4) 4.591 (5) 4.557  
 Average Trigger Pull at End of Test: 4.562 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 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)

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TLW 14474

Project No. 241314

## 7mm REM MAG S.A.A.M.I. JAR-OFF, DROP &amp; ROTATION TEST

## ROTATION TEST

Firecontrol No. A-10 Firecontrol Type: Standard Date: 5-7-04  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type SV  
 Engagement at Start (1) .0251 (2) .0251 (3) .0255 Average .02523  
 Engagement at End (1) .0265 (2) .0264 (3) .0266 Average .0265  
 Model No. 710 Serial No. 71163068  
 Trigger Pull at Start of Test (1) 4.580 (2) 4.551 (3) 4.531 (4) 4.591 (5) 4.551  
 Average Trigger Pull at Start of Test: 4.562 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.823 (2) 5.038 (3) 5.003 (4) 4.965 (5) 5.093  
 Average Trigger Pull at End of Test: 4.984 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: SW/BL 83

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 <input type="checkbox"/>	
Firearm Vertical, Drop so right side of Stock is Up:	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>	

Notes: (continue on back of sheet if necessary)

Tester's Initials SW/BL

TLW 1449W

Project No. 241314

## 7MM REM MAG S.A.A.M.I. JAR-OFF, DROP &amp; ROTATION TEST

## DROP TEST

Firecontrol No. A-10 Firecontrol Type: Standard Date: 5-7-04  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type SVN Engagement at Start \_\_\_\_\_  
 Engagement at Start (1) .0252 (2) .0255 (3) .0256 Average .02543  
 Engagement at End (1) .0253 (2) .0253 (3) .0252 Average .02526  
 Model No. 710 Serial No. 21163068 Engagement at End \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.609 (2) 4.594 (3) 4.581 (4) 4.588 (5) 4.612  
 Average Trigger Pull at Start of Test: 4.585 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.007 (2) 4.024 (3) 4.071 (4) 4.036 (5) 3.969  
 Average Trigger Pull at End of Test: 4.021 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 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 theISS 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 _____ Fail <input checked="" type="checkbox"/>	<u>Bent the Scope</u>
Barrel Horizontal, Bottom of Stock Down:	Pass _____ Fail _____	

Notes: (continue on back of sheet if necessary)

+ Rifle Fired as a result of an override, and the insert was cracked on  
 the previous drop / support bracket screw not tight.  
 + Took insert out of A-1 and put it in to A-10 Tester's Initials SW/BL

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TLW 1447WProject No. 2413147MM RemMag **S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****DROP TEST**

Firecontrol No. A-10 Firecontrol Type: Standard Date: 5-7/04  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_ Engagement at Start \_\_\_\_\_  
 Engagement at Start (1) .0252 (2) .0251 (3) .0254 Average .02523  
 Engagement at End (1) .0254 (2) .0255 (3) .0252 Average .02540  
 Model No. 710 Serial No. 71163068 Engagement at End \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.500 (2) 4.487 (3) 4.520 (4) 4.640 (5) 4.523  
 Average Trigger Pull at Start of Test: 4.534 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.744 (2) 4.811 (3) 4.545 (4) 4.524 (5) 4.565  
 Average Trigger Pull at End of Test: 4.638 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: SW/PA

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 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 _____ Fail _____	
Barrel Vertical, Muzzle Down:	Pass _____ Fail _____	
Barrel Horizontal, Left side of Stock Up:	Pass _____ Fail _____	
Barrel Horizontal, Right side of Stock Up:	Pass _____ Fail _____	
Barrel Horizontal, Bottom of Stock Up:	Pass <input checked="" type="checkbox"/> Fail _____	
Barrel Horizontal, Bottom of Stock Down:	Pass <input checked="" type="checkbox"/> Fail _____	

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