

TLW 1689Y

Project No. 241314

300

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

Firecontrol No. A-39 Firecontrol Type: Standard Date: 2/16/03

Dry Cycles/Rounds Completed: Stock Type Syn

Engagement at Start (1) .0249 (2) .0249 (3) .0252 Average .02502

Engagement at End (1) .0238 (2) .0240 (3) .0238 Average .02386

Model No. 710 Serial No. 71203193

Trigger Pull at Start of Test (1) 4.528 (2) 4.540 (3) 4.472 (4) 4.404 (5) 4.663

Average Trigger Pull at Start of Test: 4.523 Std. Dev. of Trigger Pull at Start of Test:

Trigger Pull at End of Test (1) 4.892 (2) 5.336 (3) 4.890 (4) 5.121 (5) 4.813

Average Trigger Pull at End of Test: 5.011 Std. Dev. of Trigger Pull at End of Test:

Tester Initials: SW/JS

Additional Notes and Comments

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*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 S5 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/JS

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

Firecontrol No. A-39 Firecontrol Type: \_\_\_\_\_ Date: 2/17/05  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_  
 Engagement at Start (1) .0258 (2) .0258 (3) .0256 Average .02573  
 Engagement at End (1) .0267 (2) .0270 (3) .0273 Average .02700  
 Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.616 (2) 4.511 (3) 4.504 (4) 4.649 (5) 4.572  
 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) 4.836 (2) 4.936 (3) 5.028 (4) 5.012 (5) 4.980  
 Average Trigger Pull at End of Test: 4.958 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: SW/JS 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 _____	_____
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/JS

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

Firecontrol No. A-39 Firecontrol Type: \_\_\_\_\_ Date: 2/18/05  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_ Engagement at Start \_\_\_\_\_  
 Engagement at Start (1) .0256 (2) .0261 (3) .0241 Average .02526  
 Engagement at End (1) .0249 (2) .0249 (3) .0253 Average .02503  
 Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Engagement at End \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.511 (2) 4.487 (3) 4.442 (4) 4.604 (5) 4.591  
 Average Trigger Pull at Start of Test: 4.527 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 5.254 (2) 5.603 (3) 4.831 (4) 3.896 (5) 4.629  
 Average Trigger Pull at End of Test: 4.863 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_  
 Tester Initials: SW/JS

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 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 _____	Bolt handle Open
Barrel Horizontal, Bottom of Stock Up:	Pass <input checked="" type="checkbox"/> Fail _____	Bent Scope/Broken Tang
Barrel Horizontal, Bottom of Stock Down:	Pass _____ Fail _____	

Notes: (continue on back of sheet if necessary)

Broken Tang Bottom Up

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

**DROP TEST**

Firecontrol No. A-39 Firecontrol Type: \_\_\_\_\_ Date: 2/21/05  
Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_ Engagement at Start \_\_\_\_\_  
Engagement at Start (1) .0252 (2) .0249 (3) .0249 Average .02500  
Engagement at End (1) .0236 (2) .0241 (3) .0243 Average .02400  
Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Engagement at End \_\_\_\_\_  
Trigger Pull at Start of Test (1) 4.532 (2) 4.566 (3) 4.635 (4) 4.626 (5) 4.458  
Average Trigger Pull at Start of Test: 4.563 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
Trigger Pull at End of Test (1) 4.792 (2) 4.377 (3) 4.752 (4) 4.098 (5) 4.315  
Average Trigger Pull at End of Test: 4.467 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_  
Tester Initials: SW/JS

Additional Notes and Comments

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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 _____ Fail _____	
Barrel Horizontal, Bottom of Stock Down:	Pass <input checked="" type="checkbox"/> Fail _____	

Notes: (continue on back of sheet if necessary)

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