

TLW 14630

Project No. 241314

30.06

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

Firecontrol No. A-9 Firecontrol Type: Standard Date: 6/5/04  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type S&W  
 Engagement at Start (1) .0237 (2) .0236 (3) .0238 Average .02370  
 Engagement at End (1) .0226 (2) .0227 (3) .0225 Average .02260  
 Model No. 710 Serial No. 71159117  
 Trigger Pull at Start of Test (1) 4.360 (2) 4.236 (3) 4.264 (4) 4.347 (5) 4.299  
 Average Trigger Pull at Start of Test: 4.301 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.874 (2) 4.824 (3) 4.836 (4) 4.801 (5) 4.828  
 Average Trigger Pull at End of Test: 4.833 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_  
 Tester Initials: SW/JJS  
 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 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 _____	_____
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 _____	_____
Barrel Horizontal, Bottom of Stock Down:	Pass <input checked="" type="checkbox"/> Fail _____	_____

Notes: (continue on back of sheet if necessary)

Tester's Initials SW/JJS

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ET23306

TLW 1463E

Project No. 241314

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

Firecontrol No. A-9 Firecontrol Type: \_\_\_\_\_ Date: 6/06/04  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type: \_\_\_\_\_  
 Engagement at Start (1) .0226 (2) .0227 (3) .0225 Average .02260  
 Engagement at End (1) .0227 (2) .0225 (3) .0226 Average .02260  
 Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.874 (2) 4.824 (3) 4.836 (4) 4.801 (5) 4.828  
 Average Trigger Pull at Start of Test: 4.833 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.763 (2) 4.594 (3) 4.798 (4) 4.950 (5) 4.669  
 Average Trigger Pull at End of Test: 4.755 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: SW/JS

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 theISS 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/JS

ET23307

TLW 1463F

Project No. 241314

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

Firecontrol No. A-9 Firecontrol Type: \_\_\_\_\_ Date: 6-6-04  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_ Engagement at Start \_\_\_\_\_  
 Engagement at Start (1) .0227 (2) .0225 (3) .0226 Average .02260  
 Engagement at End (1) .0245 (2) .0242 (3) .0242 Average .02430  
 Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Engagement at End \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.763 (2) 4.594 (3) 4.798 (4) 4.950 (5) 4.669  
 Average Trigger Pull at Start of Test: 4.755 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.931 (2) 4.991 (3) 5.028 (4) 5.104 (5) 5.067  
 Average Trigger Pull at End of Test: 5.024 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: SW / SW

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

Notes: (continue on back of sheet if necessary)

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ET23308