

TLW 1689YProject No. 241314

30.06

**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****JAR-OFF TEST**Firecontrol No. A-7 Firecontrol Type: Standard Date: 2/14/05Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type synEngagement at Start (1) .0203 (2) .0204 (3) .0203 Average .0203Engagement at End (1) .0204 (2) .0197 (3) .0199 Average .0200Model No. 710 Serial No. 71203239Trigger Pull at Start of Test (1) 4.082 (2) 4.043 (3) 4.044 (4) 4.000 (5) 4.007Average Trigger Pull at Start of Test: 4.045 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_Trigger Pull at End of Test (1) 5.748 (2) 5.691 (3) 5.505 (4) 6.152 (5) 5.977Average Trigger Pull at End of Test: 5.815 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 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 unlockedposition for all six orientations of the Jar-Off Test

<u>Orientation</u>	<u>ISS Unlocked</u>	<u>Comments</u>
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/JSPage 1 of 3  
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ET22250

TLW 16892Project No. 241314

30.06

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

Firecontrol No. A-7 Firecontrol Type: \_\_\_\_\_ Date: 2/14/05  
Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_  
Engagement at Start (1) .0204 (2) .0197 (3) .0199 Average .0200  
Engagement at End (1) .0191 (2) .0186 (3) .0187 Average .0188  
Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_  
Trigger Pull at Start of Test (1) 4.077 (2) 4.014 (3) 3.942 (4) 4.004 (5) 3.970  
Average Trigger Pull at Start of Test: 4.001 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
Trigger Pull at End of Test (1) 4.074 (2) 3.382 (3) 3.355 (4) 3.319 (5) 3.484  
Average Trigger Pull at End of Test: 3.603 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

ET22251

TLW 1689AA

Project No. 241314

30.06

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

Firecontrol No. A-7 Firecontrol Type: \_\_\_\_\_ Date: 2/15/05  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_ Engagement at Start \_\_\_\_\_  
 Engagement at Start (1) .0201 (2) .0209 (3) .0206 Average .02053  
 Engagement at End (1) .0215 (2) .0211 (3) .0207 Average .02110  
 Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Engagement at End \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.068 (2) 4.066 (3) 3.964 (4) 4.159 (5) 3.864  
 Average Trigger Pull at Start of Test: 4.024 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 3.985 (2) 3.949 (3) 3.850 (4) 4.407 (5) 4.089  
 Average Trigger Pull at End of Test: 4.056 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 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 <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"/>	Bent Scope / Broken Trigger
Barrel Horizontal, Bottom of Stock Down:	Pass <input type="checkbox"/> Fail <input type="checkbox"/>	

Notes: (continue on back of sheet if necessary)

Broken Trigger Bottom up

TLW 1689 AA

Project No. 241314

30.06

**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****DROP TEST**Firecontrol No. A-7 Firecontrol Type: \_\_\_\_\_ Date: 2/22/05

Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_ Engagement at Start \_\_\_\_\_

Engagement at Start (1) 0.0200 (2) 0.0200 (3) 0.0205 Average 0.0206Engagement at End (1) 0.0178 (2) 0.0171 (3) 0.0170 Average 0.01730

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Engagement at End \_\_\_\_\_

Trigger Pull at Start of Test (1) 3.972 (2) 4.130 (3) 4.039 (4) 3.947 (5) 4.091Average Trigger Pull at Start of Test: 4.036 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_Trigger Pull at End of Test (1) 3.693 (2) 3.683 (3) 3.536 (4) 3.670 (5) 3.323Average Trigger Pull at End of Test: 3.581 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_Tester Initials: SW/JSS

Additional Notes and Comments

Replaced Insert

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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 theISS 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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