

TLW 16894Project No. 241314

30.06

**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****JAR-OFF TEST**Firecontrol No. A-8 Firecontrol Type: Standard Date: 2/17/05Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type 344Engagement at Start (1) .0200 (2) .0200 (3) .0202 Average .02006Engagement at End (1) .0199 (2) .0193 (3) .0185 Average .01936Model No. 710 Serial No. 71202791Trigger Pull at Start of Test (1) 3.936 (2) 4.164 (3) 4.063 (4) 3.982 (5) 4.027Average Trigger Pull at Start of Test: 4.034 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_Trigger Pull at End of Test (1) 4.585 (2) 4.944 (3) 4.545 (4) 4.858 (5) 4.904Average Trigger Pull at End of Test: 4.767 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 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

<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/JS

ET22258

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**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****ROTATION TEST**Firecontrol No. A-8 Firecontrol Type: \_\_\_\_\_ Date: 2/14/05

Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_

Engagement at Start (1) .0201 (2) .0197 (3) .0205 Average .0201Engagement at End (1) .0173 (2) .0163 (3) .0170 Average .01686

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Trigger Pull at Start of Test (1) 3.996 (2) 4.028 (3) 3.942 (4) 4.147 (5) 3.991Average Trigger Pull at Start of Test: 4.021 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_Trigger Pull at End of Test (1) 3.533 (2) 3.390 (3) 3.822 (4) 4.259 (5) 4.128Average Trigger Pull at End of Test: 3.826 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 <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

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**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****DROP TEST**Firecontrol No. A-8 Firecontrol Type: \_\_\_\_\_ Date: 2/15/05

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

Engagement at Start (1) .0204 (2) .0198 (3) .0208 Average .02033Engagement at End (1) .0220 (2) .0224 (3) .0218 Average .02206

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

Trigger Pull at Start of Test (1) 4.132 (2) 4.165 (3) 3.964 (4) 3.854 (5) 3.969Average Trigger Pull at Start of Test: 4.017 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_Trigger Pull at End of Test (1) 3.877 (2) 3.991 (3) 3.958 (4) 3.944 (5) 4.209Average Trigger Pull at End of Test: 3.996 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_Tester Initials: SW/J5

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 _____	Broken Tang +
Barrel Horizontal, Bottom of Stock Up:	Pass _____ Fail _____	
Barrel Horizontal, Bottom of Stock Down:	Pass _____ Fail _____	

Notes: (continue on back of sheet if necessary)

Broken Tang Right side up

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

Firecontrol No. A-8 Firecontrol Type: Date: 2/22/05

Dry Cycles/Rounds Completed: Stock Type Engagement at Start

Engagement at Start (1) .0202 (2) .0203 (3) .0204 Average .02030

Engagement at End (1) .0195 (2) .0200 (3) .0198 Average .01976

Model No. Serial No. Engagement at End

Trigger Pull at Start of Test (1) 3.998 (2) 4.088 (3) 4.002 (4) 4.104 (5) 4.105

Average Trigger Pull at Start of Test: 4.059 Std. Dev. of Trigger Pull at Start of Test:

Trigger Pull at End of Test (1) 4.262 (2) 4.229 (3) 4.272 (4) 4.254 (5) 4.352

Average Trigger Pull at End of Test: 4.274 Std. Dev. of Trigger Pull at End of Test:

Tester Initials: SW/JS

Additional Notes and Comments

Replaced Insert

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 _____ 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 _____	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-8 Firecontrol Type: \_\_\_\_\_ Date: 2/22/05  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_ Engagement at Start \_\_\_\_\_  
 Engagement at Start (1) .0200 (2) .0200 (3) .0200 Average .0200  
 Engagement at End (1) .0200 (2) .0200 (3) .0195 Average .01983  
 Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Engagement at End \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.615 (2) 4.058 (3) 4.097 (4) 3.951 (5) 4.138  
 Average Trigger Pull at Start of Test: 4.052 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.354 (2) 4.330 (3) 4.413 (4) 4.104 (5) 4.394  
 Average Trigger Pull at End of Test: 4.323 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_  
 Tester Initials: SW/JJS

Additional Notes and Comments

Replaced Insert

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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