

TLW 1689YProject 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: 2/14/05Dry Cycles/Rounds Completed: _____ Stock Type S&WEngagement at Start (1) .0207 (2) .0206 (3) .0207 Average .02066Engagement at End (1) .0209 (2) .0205 (3) .0208 Average .02066Model No. 710 Serial No. 71203249Trigger Pull at Start of Test (1) 3.991 (2) 4.108 (3) 3.926 (4) 4.153 (5) 4.145Average Trigger Pull at Start of Test: 4.065 Std. Dev. of Trigger Pull at Start of Test: _____Trigger Pull at End of Test (1) 4.088 (2) 3.818 (3) 3.904 (4) 3.926 (5) 4.139Average Trigger Pull at End of Test: 3.975 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 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

ET22267

TLW 16892Project No. 24131430.06**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****ROTATION TEST**

Firecontrol No. A-9 Firecontrol Type: _____ Date: 2/17/05
 Dry Cycles/Rounds Completed: _____ Stock Type: _____
 Engagement at Start (1) .0209 (2) .0205 (3) .0208 Average .0206
 Engagement at End (1) .0208 (2) .0205 (3) .0204 Average .0205
 Model No. _____ Serial No. _____
 Trigger Pull at Start of Test (1) 3.989 (2) 4.145 (3) 4.038 (4) 3.995 (5) 4.02
 Average Trigger Pull at Start of Test: 4.038 Std. Dev. of Trigger Pull at Start of Test: _____
 Trigger Pull at End of Test (1) 4.289 (2) 4.163 (3) 4.310 (4) 4.273 (5) 4.291
 Average Trigger Pull at End of Test: 4.265 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

ET22268

TLW 11689 AA

Project No. 241314

30.06

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

DROP TEST

Firecontrol No. A-9 Firecontrol Type: _____ Date: 2/13/05
 Dry Cycles/Rounds Completed: _____ Stock Type _____ Engagement at Start _____
 Engagement at Start (1) .0208 (2) .0205 (3) .0204 Average .0206
 Engagement at End (1) .0202 (2) .0201 (3) .0198 Average .02003
 Model No. _____ Serial No. _____ Engagement at End _____
 Trigger Pull at Start of Test (1) 4.145 (2) 4.109 (3) 3.851 (4) 4.039 (5) 3.915
 Average Trigger Pull at Start of Test: 4.018 Std. Dev. of Trigger Pull at Start of Test: _____
 Trigger Pull at End of Test (1) 3.923 (2) 4.420 (3) 3.914 (4) 4.271 (5) 3.991
 Average Trigger Pull at End of Test: 4.104 Std. Dev. of Trigger Pull at End of Test: _____
 Tester Initials: _____
 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 <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 _____	Broken Tang
Barrel Horizontal, Bottom of Stock Down:	Pass _____ Fail _____	

Notes: (continue on back of sheet if necessary)

Broken Tang Bottom up

ET22269

TLW 1689AAProject No. 241314

30.06

S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST**DROP TEST**Firecontrol No. A-9 Firecontrol Type: _____ Date: 2/22/05

Dry Cycles/Rounds Completed: _____ Stock Type _____ Engagement at Start _____

Engagement at Start (1) .0206 (2) .0209 (3) .0208 Average .02073Engagement at End (1) .0196 (2) .0197 (3) .0193 Average _____

Model No. _____ Serial No. _____ Engagement at End _____

Trigger Pull at Start of Test (1) 3.885 (2) 4.151 (3) 4.226 (4) 4.125 (5) 3.967Average Trigger Pull at Start of Test: 4.051 Std. Dev. of Trigger Pull at Start of Test: _____Trigger Pull at End of Test (1) 4.139 (2) 3.862 (3) 3.986 (4) 3.928 (5) 4.181Average Trigger Pull at End of Test: 4.019 Std. Dev. of Trigger Pull at End of Test: _____Tester Initials: SW/JJ

Additional Notes and Comments

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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 _____	<u>Bolt case open</u>

Notes: (continue on back of sheet if necessary)

1 Insert OK

ET22270