

TLW 1689YProject No. 241314

070

S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST**JAR-OFF TEST**Firecontrol No. A-19 Firecontrol Type: Standard Date: 2/14/05Dry Cycles/Rounds Completed: _____ Stock Type SynEngagement at Start (1) .0208 (2) .0200 (3) .0201 Average .02030Engagement at End (1) .0192 (2) .0179 (3) .0181 Average .01840Model No. 710 Serial No. 71202796Trigger Pull at Start of Test (1) 4.023 (2) 3.985 (3) 4.050 (4) 3.993 (5) 3.968Average Trigger Pull at Start of Test: 4.003 Std. Dev. of Trigger Pull at Start of Test: _____Trigger Pull at End of Test (1) 3.742 (2) 3.694 (3) 4.395 (4) 4.554 (5) 3.858Average Trigger Pull at End of Test: 4.049 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

ET22149

TLW 16892
 Project No. 27134

270

S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST**ROTATION TEST**
 Firecontrol No. A-19 Firecontrol Type: _____ Date: 2/14/03
 Dry Cycles/Rounds Completed: _____ Stock Type _____
 Engagement at Start (1) .0208 (2) .0204 (3) .0201 Average .02043
 Engagement at End (1) .0209 (2) .0206 (3) .0205 Average .02066
 Model No. _____ Serial No. _____
 Trigger Pull at Start of Test (1) 4.274 (2) 4.004 (3) 4.120 (4) 3.712 (5) 4.336
 Average Trigger Pull at Start of Test: 4.089 Std. Dev. of Trigger Pull at Start of Test: _____
 Trigger Pull at End of Test (1) 4.347 (2) 4.590 (3) 4.196 (4) 4.534 (5) 4.519
 Average Trigger Pull at End of Test: 4.435 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

ET22150

TLW 1689 AA

Project No. 241314

270

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

DROP TEST

Firecontrol No. A-19 Firecontrol Type: _____ Date: 2/15/05
 Dry Cycles/Rounds Completed: _____ Stock Type _____ Engagement at Start _____
 Engagement at Start (1) .0209 (2) .0206 (3) .0206 Average .0206
 Engagement at End (1) .0215 (2) .0217 (3) .0215 Average .0215
 Model No. _____ Serial No. _____ Engagement at End _____
 Trigger Pull at Start of Test (1) 4.074 (2) 4.078 (3) 4.085 (4) 3.931 (5) 3.965
 Average Trigger Pull at Start of Test: 4.027 Std. Dev. of Trigger Pull at Start of Test: _____
 Trigger Pull at End of Test (1) 3.644 (2) 3.581 (3) 3.761 (4) 3.866 (5) 3.442
 Average Trigger Pull at End of Test: 3.659 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 _____	
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 / Broken Tang</u>
Barrel Horizontal, Bottom of Stock Down:	Pass _____ Fail _____	

Notes: (continue on back of sheet if necessary)

Broken Tang Bottom up

ET22151

TLW 1689AA

Project No. 241314

270

S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST**DROP TEST**Firecontrol No. A-19 Firecontrol Type: _____ Date: 2/22/05

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

Engagement at Start (1) .0197 (2) .0303 (3) .0304 Average .0303Engagement at End (1) .0189 (2) .0192 (3) .0191 Average _____

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

Trigger Pull at Start of Test (1) 4.011 (2) 3.991 (3) 3.950 (4) 4.058 (5) 4.026Average Trigger Pull at Start of Test: 4.007 Std. Dev. of Trigger Pull at Start of Test: _____Trigger Pull at End of Test (1) 3.369 (2) 3.338 (3) 3.334 (4) 3.303 (5) 3.396Average Trigger Pull at End of Test: 3.348 Std. Dev. of Trigger Pull at End of Test: _____Tester Initials: SW/JS

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 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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ET22152