

TLW 1689Y

Project No. 241314

270

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

Firecontrol No. A-17 Firecontrol Type: Standard Date: 2/17/05
 Dry Cycles/Rounds Completed: _____ Stock Type S&W
 Engagement at Start (1) .0209 (2) .0208 (3) .0206 Average .02076
 Engagement at End (1) .0203 (2) .0206 (3) .0201 Average .02033
 Model No. 710 Serial No. 71202792
 Trigger Pull at Start of Test (1) 4.174 (2) 4.044 (3) 4.182 (4) 4.039 (5) 4.062
 Average Trigger Pull at Start of Test: 4.100 Std. Dev. of Trigger Pull at Start of Test: _____
 Trigger Pull at End of Test (1) 4.689 (2) 4.466 (3) 4.313 (4) 5.131 (5) 4.615
 Average Trigger Pull at End of Test: 4.645 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

ET22134

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

Firecontrol No. A-17 Firecontrol Type: _____ Date: 2/14/05
 Dry Cycles/Rounds Completed: _____ Stock Type: _____
 Engagement at Start (1) .0203 (2) .0206 (3) .0201 Average .0203
 Engagement at End (1) .0186 (2) .0189 (3) .0181 Average .0185
 Model No. _____ Serial No. _____
 Trigger Pull at Start of Test (1) 3.950 (2) 3.970 (3) 4.086 (4) 4.119 (5) 3.997
 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) 3.753 (2) 3.807 (3) 3.759 (4) 3.626 (5) 3.675
 Average Trigger Pull at End of Test: 3.724 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

ET22135

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

DROP TEST

Firecontrol No. A-17 Firecontrol Type: _____ Date: 2/13/05
 Dry Cycles/Rounds Completed: _____ Stock Type _____ Engagement at Start _____
 Engagement at Start (1) .0202 (2) .0309 (3) .0197 Average .02026
 Engagement at End (1) .0215 (2) .0218 (3) .0211 Average .02146
 Model No. _____ Serial No. _____ Engagement at End _____
 Trigger Pull at Start of Test (1) 3.972 (2) 4.064 (3) 4.134 (4) 4.069 (5) 4.064
 Average Trigger Pull at Start of Test: 4.061 Std. Dev. of Trigger Pull at Start of Test: _____
 Trigger Pull at End of Test (1) 3.961 (2) 4.287 (3) 3.945 (4) 4.245 (5) 3.872
 Average Trigger Pull at End of Test: 4.062 Std. Dev. of Trigger Pull at End of Test: _____
 Tester Initials: SW/JS

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 _____	<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

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

Firecontrol No. A-17 Firecontrol Type: _____ Date: 2/22/05
 Dry Cycles/Rounds Completed: _____ Stock Type _____ Engagement at Start _____
 Engagement at Start (1) .0205 (2) .0200 (3) .0197 Average .02006
 Engagement at End (1) .0197 (2) .0197 (3) .0193 Average .01936
 Model No. _____ Serial No. _____ Engagement at End _____
 Trigger Pull at Start of Test (1) 3.977 (2) 4.109 (3) 4.052 (4) 4.146 (5) 4.159
 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) 3.558 (2) 3.761 (3) 3.977 (4) 3.947 (5) 4.292
 Average Trigger Pull at End of Test: 3.906 Std. Dev. of Trigger Pull at End of Test: _____

Tester Initials: SW/OS

Additional Notes and Comments

Applied 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)

B. Insert OK

ET22137