

TLW 1689YProject 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: 2/14/05Dry Cycles/Rounds Completed: _____ Stock Type SynEngagement at Start (1) .0200 (2) .0200 (3) .0202 Average .02006Engagement at End (1) .0199 (2) .0193 (3) .0189 Average .01936Model No. 710 Serial No. 712 02791Trigger 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

TLW 16892Project No. 271314

30.06

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) 4.239 (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 theISS 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

ET22259

TLW 1689 AAProject No. 241314

36.06

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 .02033
 Engagement at End (1) .0220 (2) .0224 (3) .0219 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) 3.834 (5) 3.969
 Average 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) 4.209
 Average Trigger Pull at End of Test: 3.996 Std. Dev. of Trigger Pull at End of Test: _____

Tester Initials: SW/JSS

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

TLW 1689AA

Project No. 241314

30.06

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

Firecontrol No. A-8 Firecontrol Type: _____ Date: 7/22/05
 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

Applied 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 <u>/</u> Fail _____	<u>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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ET22261

TLW 1689AA

Project No. 241214

30.06

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 .0193
 Model No. _____ Serial No. _____ Engagement at End _____
 Trigger Pull at Start of Test (1) 4.015 (2) 4.050 (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)

Insert OK

ET22262