TLW 16894

Project No. 241314

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

JAR-OFF TEST

Firecontrol No. A-39 Firecontrol Type: Standard Date: 2/16/05

Dry Cycles/Rounds Completed: _____ Stock Type Syn

Engagement at Start (1) .0249 (2) .0249 (3) .0252 Average .02503

Engagement at End (1) .0238 (2) .0240 (3) .0238 Average .02386

Model No. 710 Serial No. 71203195

Trigger Pull at Start of Test (1) 4.528 (2) 4.549 (3) 4.472 (4) 4.404 (5) 4.663

Average Trigger Pull at Start of Test: 4.523 Std. Dev. of Trigger Pull at Start of Test: _____

Trigger Pull at End of Test (1) 4.893 (2) 5.336 (3) 4.890 (4) 5.121 (5) 4.813

Average Trigger Pull at End of Test: 5.011 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*

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* ✓ *Fail* ____	

Notes: (*continue on back of sheet if necessary*)

Tester's Initials SW/JS

TLW 16892

Project No. 241314

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

ROTATION TEST

Firecontrol No. A-39 Firecontrol Type: _____ Date: 2/17/05

Dry Cycles/Rounds Completed: _____ Stock Type _____

Engagement at Start (1) .0258 (2) .0258 (3) .0256 Average .03573

Engagement at End (1) .0267 (2) .0270 (3) .0273 Average .03700

Model No. _____ Serial No. _____

Trigger Pull at Start of Test (1) 4.616 (2) 4.511 (3) 4.504 (4) 4.649 (5) 4.572

Average Trigger Pull at Start of Test: 4.570 Std. Dev. of Trigger Pull at Start of Test: _____

Trigger Pull at End of Test (1) 4.836 (2) 4.936 (3) 5.028 (4) 5.012 (5) 4.980

Average Trigger Pull at End of Test: 4.958 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* ✓	*Fail* _____	_____
Firearm Vertical, Drop so right side of Stock is Up:	*Pass* ✓	*Fail* _____	_____

Notes: (*continue on back of sheet if necessary*)

_____

_____

Tester's Initials SW/JS

TLW 1689 AA

Project No. 241314

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

DROP TEST

Firecontrol No. A-39 Firecontrol Type: _____ Date: 2/18/05

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

Engagement at Start (1) .0256 (2) .0361 (3) .0341 Average .02536

Engagement at End (1) .0249 (2) .0249 (3) .0253 Average .02503

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

Trigger Pull at Start of Test (1) 4.511 (2) 4.487 (3) 4.443 (4) 4.604 (5) 4.591

Average Trigger Pull at Start of Test: 4.527 Std. Dev. of Trigger Pull at Start of Test: _____

Trigger Pull at End of Test (1) 5.354 (2) 5.603 (3) 4.831 (4) 3.896 (5) 4.629

Average Trigger Pull at End of Test: 4.863 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 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* ____	Bolt came Open
Barrel Horizontal, Bottom of Stock Up:	*Pass* ✓	*Fail* ____	Bent Scope / Broken Tang
Barrel Horizontal, Bottom of Stock Down:	*Pass* ____	*Fail* ____	

Notes: (*continue on back of sheet if necessary*)

Broken Tang Bottom up

TLW 1689AA

Project No. 241314

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

DROP TEST

Firecontrol No. A-39 Firecontrol Type: _____ Date: 2/21/06

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

Engagement at Start (1) .0252 (2) .0249 (3) .0249 Average .02500

Engagement at End (1) .0236 (2) .0241 (3) .0243 Average .02400

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

Trigger Pull at Start of Test (1) 4.532 (2) 4.566 (3) 4.635 (4) 4.626 (5) 4.458

Average Trigger Pull at Start of Test: 4.563 Std. Dev. of Trigger Pull at Start of Test: _____

Trigger Pull at End of Test (1) 4.792 (2) 4.377 (3) 4.752 (4) 4.098 (5) 4.315

Average Trigger Pull at End of Test: 4.467 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* ✓ *Fail* _____	

Notes: *(continue on back of sheet if necessary)*

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