TLW 16894

Project No. 241314

300

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

JAR-OFF TEST

Firecontrol No. A-37 Firecontrol Type: Standard Date: 2/16/05 2/17/05

Dry Cycles/Rounds Completed: _____ Stock Type Synth

Engagement at Start (1) .0256 (2) .0253 (3) .0254 Average .03540

Engagement at End (1) .0260 (2) .0263 (3) .0264 Average .03623

Model No. 710 Serial No. 71703192

Trigger Pull at Start of Test (1) 4.549 (2) 4.493 (3) 4.518 (4) 4.550 (5) 4.485

Average Trigger Pull at Start of Test: 4.519 Std. Dev. of Trigger Pull at Start of Test: _____

Trigger Pull at End of Test (1) 4.278 (2) 4.334 (3) 4.290 (4) 4.264 (5) 4.299

Average Trigger Pull at End of Test: 4.271 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-37 Firecontrol Type: _____ Date: 3/17/05

Dry Cycles/Rounds Completed: _____ Stock Type _____

Engagement at Start (1) .0257 (2) .0231 (3) .0256 Average .02546

Engagement at End (1) .0261 (2) .0267 (3) .0271 Average .02663

Model No. _____ Serial No. _____

Trigger Pull at Start of Test (1) 4.645 (2) 4.534 (3) 4.649 (4) 4.509 (5) 4.557

Average Trigger Pull at Start of Test: 4.579 Std. Dev. of Trigger Pull at Start of Test: _____

Trigger Pull at End of Test (1) 4.546 (2) 4.603 (3) 4.941 (4) 4.943 (5) 4.540

Average Trigger Pull at End of Test: 4.715 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 1699AA

Project No. 241314

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

DROP TEST

Firecontrol No. A-37 Firecontrol Type: _____ Date: 2/18/05

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

Engagement at Start (1) .0255 (2) .0251 (3) .0250 Average .02520

Engagement at End (1) .0367 (2) .0378 (3) .0377 Average .03740

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

Trigger Pull at Start of Test (1) 4.401 (2) 4.761 (3) 4.563 (4) 4.434 (5) 4.691

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) 4.499 (2) 4.487 (3) 4.615 (4) 4.554 (5) 4.587

Average Trigger Pull at End of Test: 4.548 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* ____	____
Barrel Horizontal, Bottom of Stock Up:	*Pass* ✓	*Fail* ____	Bent Scope/Broken Trig
Barrel Horizontal, Bottom of Stock Down:	*Pass* ____	*Fail* ____	____

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

Broken Trig Bottom Trig

TLW 1699AA

Project No. 241314

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

DROP TEST

Firecontrol No. A-37 Firecontrol Type: _____ Date: 2/21/05

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

Engagement at Start (1) .0251 (2) .0254 (3) .0249 Average .02513

Engagement at End (1) .0231 (2) .0234 (3) .0239 Average .02380

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

Trigger Pull at Start of Test (1) 4.442 (2) 4.647 (3) 4.452 (4) 4.434 (5) 4.631

Average Trigger Pull at Start of Test: 4.521 Std. Dev. of Trigger Pull at Start of Test: _____

Trigger Pull at End of Test (1) 4.944 (2) 5.145 (3) 4.950 (4) 5.095 (5) 5.178

Average Trigger Pull at End of Test: 5.052 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* _____	Bolt cam open

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

Insert OK