

TLW 12162Project No. 241314**EXTENDED JAR-OFF TESTING**

Firecontrol No. A-13 Firecontrol Type: standard Date: 9/12/03
 Dry Cycles/Rounds Completed: _____ Stock Type SYN Engagement at Start _____
 Model No. M/710 Serial No. 71126321 Engagement at End _____
 Trigger Pull at Start of Test (1) _____ (2) _____ (3) _____ (4) _____ (5) _____ (6) _____
 Average Trigger Pull at Start of Test: _____ Std. Dev. of Trigger Pull at Start of Test: _____
 Trigger Pull at End of Test (1) _____ (2) _____ (3) _____ (4) _____ (5) _____ (6) _____
 Average Trigger Pull at End of Test: _____ Std. Dev. of Trigger Pull at End of Test: _____

Tester Initials: SW/BL

Additional Notes and Comments

83

PERFORM TESTING IN ITS ENTIRETY OR UNTIL THE GUN FAILS.**IF A GUN FAILS, FINISH DROPPING ALL ORIENTATIONS AT THAT HEIGHT, THEN STOP.***Specifications for Extended Jar-Off Test:*

Jar-Off Test: 6, 18, 24, 36 & 48-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.

all drops (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

TLW 1216ZProject No. 241314

A-13

EXTENDED JAR-OFF TESTING

6 INCH EXTENDED JAR-OFF TEST

Engagement before 6"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Movement before 6"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Pull before 6"- 1. _____, 2. _____, 3. _____, 4. _____, 5. _____, Avg. _____

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 _____

Engagement after 6"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Movement after 6"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Pull after 6"- 1. _____, 2. _____, 3. _____, 4. _____, 5. _____, Avg. _____

18 INCH EXTENDED JAR-OFF TEST

9-18-03

Engagement before 18"- 1. .0203, 2. .0204, 3. .0202 Avg. .0203

Trigger Movement before 18"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Pull before 18"- 1. 3.901, 2. 4.167, 3. 3.915, 4. 4.145, 5. 3.763, Avg. 3.978Orientation

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 _____Engagement after 18"- 1. .0200, 2. .0204, 3. .0206 Avg. .0203

Trigger Movement after 18"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Pull after 18"- 1. 4.236, 2. 4.055, 3. 3.720, 4. 4.099, 5. 3.898, Avg. 4.002

ET22589

TLW 1216ZProject No. 241314

A-13

EXTENDED JAR-OFF TESTING

24 INCH EXTENDED JAR- OFF TESTEngagement before 24"- 1. .0200, 2. .0204, 3. .0206 Avg. .0203

Trigger Movement before 24"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Pull before 24"- 1. 4.236, 2. 4.055, 3. 3.720, 4. 4.099, 5. 3.898, Avg. 4.002

<u>Orientation</u>	<u>ISS Unlocked</u>	<u>Comments</u>
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 _____	

Engagement after 24"- 1. .0204, 2. .0204, 3. .0206 Avg. .02046

Trigger Movement after 24"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Pull after 24"- 1. 4.003, 2. 3.969, 3. 3.669, 4. 3.936, 5. 3.832, Avg. 3.88036 INCH EXTENDED JAR- OFF TEST

Engagement before 36"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Movement before 36"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Pull before 36"- 1. _____, 2. _____, 3. _____, 4. _____, 5. _____, Avg. _____

<u>Orientation</u>	<u>ISS Unlocked</u>	<u>Comments</u>
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 _____	

Engagement after 36"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Movement after 36"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Pull after 36"- 1. _____, 2. _____, 3. _____, 4. _____, 5. _____, Avg. _____

TLW 1216 ZProject No. 241314A-13**EXTENDED JAR-OFF TESTING****48 INCH EXTENDED JAR- OFF TEST**Engagement before 48"- 1. .0204, 2. .0204, 3. .0206 Avg. .02046

Trigger Movement before 48"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Pull before 48"- 1. 4.206, 2. 4.109, 3. 4.061, 4. 3.931, 5. 3.824, Avg. 4.026

<u>Orientation</u>	<u>ISS Unlocked</u>	<u>Comments</u>
Barrel Vertical, Muzzle Up:	Pass ☒ Fail _____	
Barrel Vertical, Muzzle Down:	Pass ☒ Fail _____	
Barrel Horizontal, Left side of Stock Up:	Pass ☒ Fail _____	<u>FIRING HEAD OVER ROSE SEAR</u> <u>BOUND TRIGGER MECH</u>
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 _____	

Engagement after 48"- 1. .0204, 2. .0206, 3. .0201 Avg. .02036

Trigger Movement after 48"- 1. _____, 2. _____, 3. _____ Avg. _____

Trigger Pull after 48"- 1. 3.697, 2. 4.205, 3. 3.903, 4. 4.032, 5. 3.990, Avg. 3.965