

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

Firecontrol No. A-12 Firecontrol Type: Standard Date: 9/12/03  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type syn Engagement at Start \_\_\_\_\_  
 Model No. m/710 Serial No. 71126326 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

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**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

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TLW 1216ZProject No. 241314A-12**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. \_\_\_\_\_

OrientationISS UnlockedComments

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**9-18-03Engagement before 18"- 1. .0205, 2. .0207, 3. .0208 Avg. .02066

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

Trigger Pull before 18"- 1. 4.099, 2. 4.072, 3. 3.817, 4. 4.172, 5. 4.118, Avg. 4.056OrientationISS UnlockedComments

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 _____	

Engagement after 18"- 1. .0209, 2. .0206, 3. .0209 Avg. .02080

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

Trigger Pull after 18"- 1. 4.190, 2. 4.326, 3. 4.164, 4. 4.336, 5. 4.420, Avg. 4.279

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## EXTENDED JAR-OFF TESTING

24 INCH EXTENDED JAR-OFF TESTEngagement before 24"- 1. .0209, 2. .0206, 3. .0209 Avg. .02080

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

Trigger Pull before 24"- 1. 4.142, 2. 4.142, 3. 4.050, 4. 3.910, 5. 3.943, Avg. 4.037

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 _____	
Barrel Horizontal, Bottom of Stock Down:	Pass <input checked="" type="checkbox"/> Fail _____	

Engagement after 24"- 1. .0224, 2. .0224, 3. .0220 Avg. .02226

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

Trigger Pull after 24"- 1. 4.334, 2. 4.019, 3. 4.378, 4. 4.135, 5. 4.007, Avg. 4.17536 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. \_\_\_\_\_

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 36"- 1. \_\_\_\_\_, 2. \_\_\_\_\_, 3. \_\_\_\_\_ Avg. \_\_\_\_\_

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

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

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## EXTENDED JAR-OFF TESTING

48 INCH EXTENDED JAR- OFF TESTEngagement before 48"- 1. .0201, 2. .0205, 3. .0202 Avg. .02026

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

Trigger Pull before 48"- 1. 4.028, 2. 3.942, 3. 4.091, 4. 3.944, 5. 4.096, Avg. 4.020

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 _____	
Barrel Horizontal, Bottom of Stock Down:	Pass <input checked="" type="checkbox"/> Fail _____	

Engagement after 48"- 1. .0202, 2. .0204, 3. .0205 Avg. .02036

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

Trigger Pull after 48"- 1. 3.807, 2. 3.895, 3. 3.613, 4. 3.934, 5. 3.862, Avg. 3.822