

B1
SERIAL # 71008100
DATE - 5-23-01
SHOOTER - JEFF
CONDITION - COLD

MODEL 710 ENVIRONMENTAL TEST

TRACKING # TLW 0407
PROJECT # 241095

ROUNDS BEFORE 0

AMMO TYPE	REM R270W2 270	LOT #	M30EC1
1	8:00	51	
2		52	
3		53	
4		54	
5	cycle safety	55	cycle safety
6		56	
7		57	
8		58	
9		59	
10	cycle safety	60	✓ cycle safety
11		61	MF 2:00
12		62	
13		63	MF
14		64	
15	cycle safety	65	cycle safety
16		66	
17		67	
18		68	
19		69	
20	✓ cycle safety	70	cycle safety
21	10:00	71	
22		72	
23		73	
24		74	
25	cycle safety	75	cycle safety
26		76	
27		77	
28		78	
29		79	
30	cycle safety	80	✓ cycle safety
31		81	MF 4:00
32		82	MF
33		83	MF
34		84	MF
35	cycle safety	85	cycle safety
36		86	MF
37		87	MF
38		88	MF
39		89	
40	✓ cycle safety 12:00	90	cycle safety
41		91	
42	MF	92	
43	MF	93	
44		94	
45	cycle safety	95	cycle safety
46		96	
47		97	MF
48		98	
49		99	
50	cycle safety	100	✓ cycle safety

Missfire - 12

NOTE * - All missfires had light indent

ROUNDS AFTER 100

ET19898

SERIAL # 71068118

MODEL 710 ENVIRONMENTAL TEST

TRACKING # TLW 0407

DATE - 5.25.01

PROJECT # 241095

SHOOTER - Jeff

CONDITION - HEAT & HUMIDITY

ROUNDS BEFORE 0

AMMO TYPE	REM R210W2 270	LOT# M29 N136628
1		51
2		52
3		53
4		54
5	cycle safety	55 cycle safety
6		56
7		57
8		58
9		59
10	cycle safety	60 ✓ cycle safety
11		61
12		62
13		63
14		64
15	cycle safety	65 cycle safety
16		66
17		67
18		68
19		69
20	✓ cycle safety	70 cycle safety
21		71
22		72
23		73
24		74
25	cycle safety	75 cycle safety
26		76
27		77
28		78
29		79
30	cycle safety	80 ✓ cycle safety
31		81
32		82
33		83
34		84
35	cycle safety	85 cycle safety
36		86
37		87
38		88
39		89
40	✓ cycle safety	90 cycle safety
41		91
42		92
43		93
44		94
45	cycle safety	95 cycle safety
46		96
47		97
48		98
49		99
50	cycle safety	100 ✓ cycle safety

ROUNDS AFTER 100

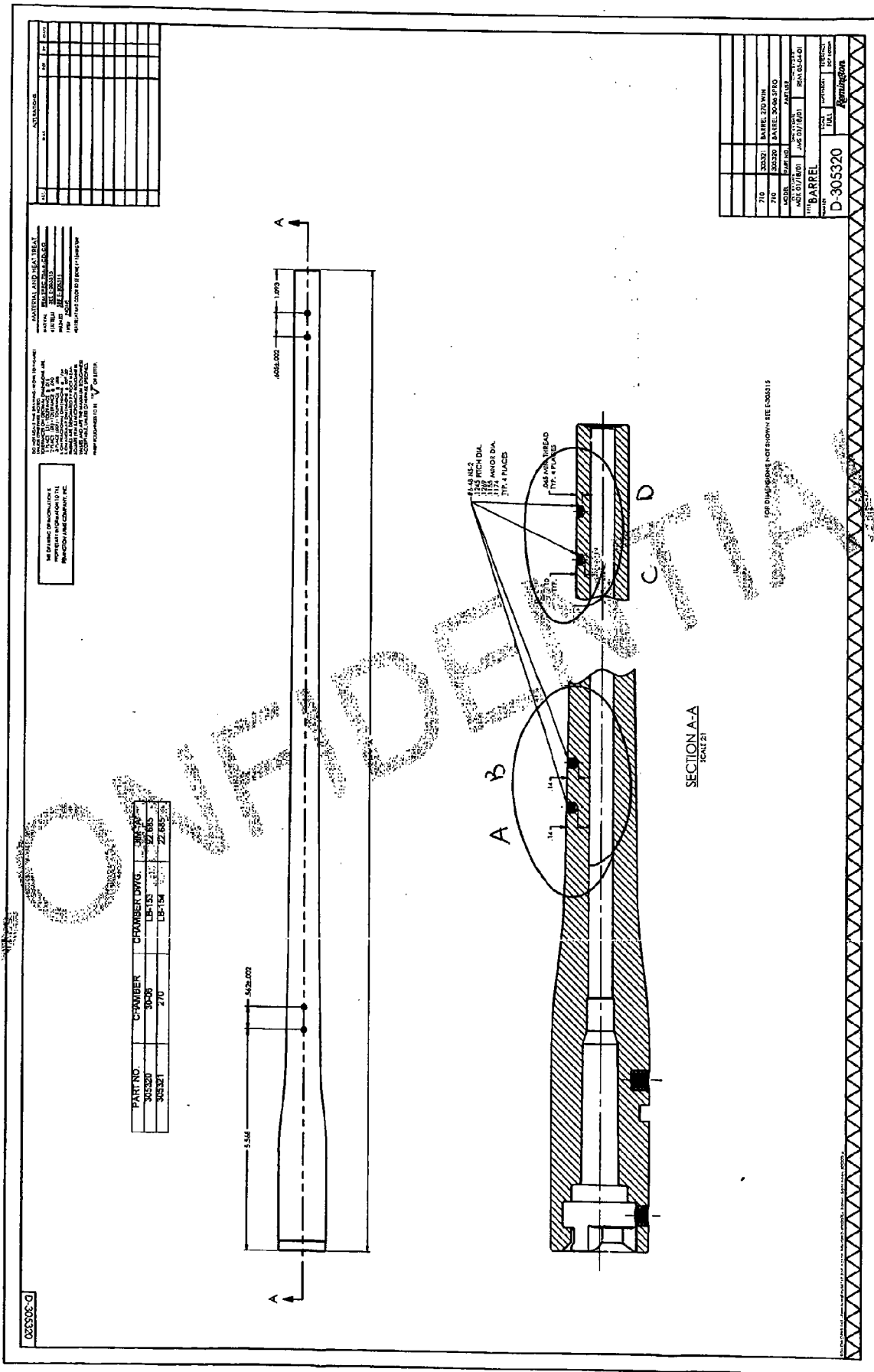
ET19899

Test Lab Work Request Form

Rev.3 -20 April, 2000

Date Submitted: 06-07-01		Tracking # :TLW 0546	
Project # : 241095		Engineer: M. Keeney	
Test Objective: Confirmation of proposed M/710 reduced bolt body diameter samples' performance when subjected to SAAMI Drop Testing. 6 Guns to be tested, 3 sighted & 3 scoped			
Test Description: 1. Measure initial trigger pull. 2. Measure bolt body diameter using micrometers. 3. Inspect and adjust supplied firearms to process minimums for trigger pull (4 lbs.) and sear engagement (.020). 4. Perform standard SAAMI Jar-off Test, Rotation Test and Drop Test and record results per our standard test procedures. 5. Measure sight screw hole depth on the 3 sighted guns, per print- D-305320. See Phillip for print & measurement method.			
Resource Usage: Manpower Requirements - Facility Requirements -		Test Results Required: Formal Report: Data Only: X Requested Completion Date: 06-13-01	
Required Materials/Parts/Equipment (include quantities): Firearms supplied by Mayfield.			
Test Parts Availability Date: 06-07-01			
Start Date: 06-12-01 Completion Date: 06-12-01 Report Date: 06-12-01		Test Assigned To: Bob Lee & Jeff Wade Assignment Date: 06/11/01	

ET19900



Rear Sight hole diameter

A1 Hole A .1400

A2 " A .1400

A3 " A .1405

~~A4 " A~~

~~A5 " A~~

~~A6 " A~~

Hole B .1400

" B .1390

" B .1400

~~" B~~

~~" B~~

~~" B~~

Front Sight hole diameter

A1 Hole C .1130

A2 " C .1105

A3 " C .1110

~~A4 " C~~

~~A5 " C~~

~~A6 " C~~

Hole D .1100

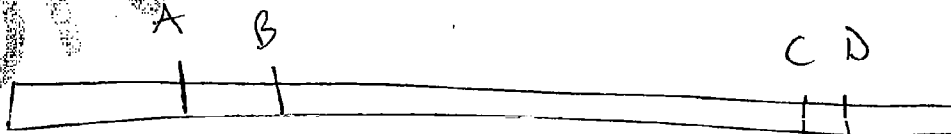
" D .1115

" D .1100

~~" D~~

~~" D~~

~~" D~~



ET19902

TLW 0546

Project No. 241095

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S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST (cont'd)

SAAMI Specifications for Standard Drop Test:

Drop Test: 48 inch drop - onto 1" thick 85 durameter (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.

	Pass	Fail	Comments
Barrel Horizontal, Bottom of Stock Down :	Pass <u>X</u>	Fail _____	_____
Barrel Horizontal, Bottom of Stock Up :	Pass <u>X</u>	Fail _____	_____
Barrel Horizontal, Left side of Stock Up :	Pass <u>X</u>	Fail _____	_____
Barrel Horizontal, Right side of Stock Up :	Pass <u>X</u>	Fail _____	_____
Barrel Vertical, Muzzle Up :	Pass <u>X</u>	Fail _____	_____
Barrel Vertical, Muzzle Down :	Pass <u>X</u>	Fail _____	_____

SAAMI Specifications for Standard Rotation Test:

Rotation Test: Rest Firearm on the Butt end and allow Firearm to Fall
Drop - onto 1" thick 85 durameter (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" (safety in "Safe" position) - one drop per orientation.

	Pass	Fail	Comments
Firearm Vertical, Drop so Left side of Stock is Up :	Pass <u>X</u>	Fail _____	_____
Firearm Vertical, Drop so Right side of Stock is Up :	Pass <u>X</u>	Fail _____	_____

Notes: _____

Tester Initials: JW

ET19903

TLW 0546

Project No. 241095

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

Rifle
Firecontrol No. A-1 Firecontrol Type: STANDARD Date: 6-12-01
Dry Cycles/Rounds Completed: Stock Type STANDARD Engagement at Start .020
Model No. 710 Serial No. 71015574 Engagement at End .0205
Trigger Pull at Start of Test (1) 4.0 (2) 4.0 (3) 4.0 (4) 4.0 (5) 3.75 (6) 4.0
Average Trigger Pull at Start of Test: 3.96 Std. Dev. of Trigger Pull at Start of Test: 83
Trigger Pull at End of Test (1) 4.0 (2) 4.0 (3) 3.75 (4) 4.0 (5) 4.5 (6) 3.75
Average Trigger Pull at End of Test: 4.0 Std. Dev. of Trigger Pull at End of Test:

Additional Notes and Comments:

Bolt Body Diameter .6934 / With out Scope

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.

Comments

Barrel Horizontal, Bottom of Stock Down :	Pass	<u>X</u>	Fail	_____
Barrel Horizontal, Bottom of Stock Up :	Pass	<u>X</u>	Fail	_____
Barrel Horizontal, Left side of Stock Up :	Pass	<u>X</u>	Fail	_____
Barrel Horizontal, Right side of Stock Up :	Pass	<u>X</u>	Fail	_____
Barrel Vertical, Muzzle Up :	Pass	<u>X</u>	Fail	_____
Barrel Vertical, Muzzle Down :	Pass	<u>X</u>	Fail	_____

ET19904

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Project No. 241095

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

Rifle
Firecontrol No. A-2 Firecontrol Type: STANDARD Date: 6-12-01
Dry Cycles/Rounds Completed: _____ Stock Type STANDARD Engagement at Start 020
Model No. 710 Serial No. 71016322 Engagement at End _____
Trigger Pull at Start of Test (1) 4.0 (2) 3.75 (3) 4.0 (4) 4.0 (5) 4.0 (6) 4.0
Average Trigger Pull at Start of Test: 3.96 Std. Dev. of Trigger Pull at Start of Test: _____
Trigger Pull at End of Test (1) 4.0 (2) 4.0 (3) 3.75 (4) 4.0 (5) 4.25 (6) 4.0 83
Average Trigger Pull at End of Test: 4.0 Std. Dev. of Trigger Pull at End of Test: _____
Additional Notes and Comments
Bolt Body Diameter .6933 / With out scope / Trigger pull adjusted

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.

Comments

Barrel Horizontal, Bottom of Stock Down:	Pass <u>X</u> Fail _____	_____
Barrel Horizontal, Bottom of Stock Up:	Pass <u>X</u> Fail _____	_____
Barrel Horizontal, Left side of Stock Up:	Pass <u>X</u> Fail _____	_____
Barrel Horizontal, Right side of Stock Up:	Pass <u>X</u> Fail _____	_____
Barrel Vertical, Muzzle Up:	Pass <u>X</u> Fail _____	_____
Barrel Vertical, Muzzle Down:	Pass <u>X</u> Fail _____	_____

ET19905

TLW 0546Project No. 241095

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S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST (cont'd)

SAAMI Specifications for Standard Drop Test:

Drop Test: 48 inch drop - onto 1" thick 85 durameter (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.

	Pass	Fail	Comments
Barrel Horizontal, Bottom of Stock Down:	Pass <u>X</u>	Fail _____	Front sight fell off 83
Barrel Horizontal, Bottom of Stock Up:	Pass <u>X</u>	Fail _____	
Barrel Horizontal, Left side of Stock Up:	Pass <u>X</u>	Fail _____	
Barrel Horizontal, Right side of Stock Up:	Pass <u>X</u>	Fail _____	
Barrel Vertical, Muzzle Up:	Pass <u>X</u>	Fail _____	
Barrel Vertical, Muzzle Down:	Pass <u>X</u>	Fail _____	

SAAMI Specifications for Standard Rotation Test:

Rotation Test: Rest Firearm on the Butt end and allow Firearm to Fall
Drop - onto 1" thick 85 durameter (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" (safety in "Safe" position) - one drop per orientation.

	Pass	Fail	Comments
Firearm Vertical, Drop so Left side of Stock is Up:	Pass <u>X</u>	Fail _____	
Firearm Vertical, Drop so Right side of Stock is Up:	Pass <u>X</u>	Fail _____	

Notes: _____

Tester Initials: JW

ET19906

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Project No. 241095

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

Rifle
Firecontrol No. A-3 Firecontrol Type: STANDARD Date: 6-12-01
Dry Cycles/Rounds Completed: Stock Type STANDARD Engagement at Start 0207
Model No. 710 Serial No. 71015057 Engagement at End
Trigger Pull at Start of Test (1) 4.0 (2) 4.0 (3) 4.0 (4) 4.0 (5) 4.0 (6) 3.75
Average Trigger Pull at Start of Test: 3.96 Std. Dev. of Trigger Pull at Start of Test:
Trigger Pull at End of Test (1) 4.0 (2) 4.0 (3) 4.25 (4) 3.75 (5) 4.0 (6) 4.0
Average Trigger Pull at End of Test: 4.0 Std. Dev. of Trigger Pull at End of Test:

Additional Notes and Comments

Bolt Body Diameter .6934 / with out SCOPE

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.

Comments

Barrel Horizontal, Bottom of Stock Down: Pass ☒ Fail _____
Barrel Horizontal, Bottom of Stock Up: Pass ☒ Fail _____
Barrel Horizontal, Left side of Stock Up: Pass ☒ Fail _____
Barrel Horizontal, Right side of Stock Up: Pass ☒ Fail _____
Barrel Vertical, Muzzle Up: Pass ☒ Fail _____
Barrel Vertical, Muzzle Down: Pass ☒ Fail _____

ET19907

TLW 0546

Project No. 241095

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S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST (cont'd)

SAAMI Specifications for Standard Drop Test:

Drop Test: 48 inch drop - onto 1" thick 85 durameter (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.

			Comments
Barrel Horizontal, Bottom of Stock Down :	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	
Barrel Horizontal, Bottom of Stock Up :	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	
Barrel Horizontal, Left side of Stock Up :	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	
Barrel Horizontal, Right side of Stock Up :	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	
Barrel Vertical, Muzzle Up :	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	
Barrel Vertical, Muzzle Down :	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	

SAAMI Specifications for Standard Rotation Test:

Rotation Test: Rest Firearm on the Butt end and allow Firearm to Fall
Drop - onto 1" thick 85 durameter (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" (safety in "Safe" position) - one drop per orientation.

			Comments
Firearm Vertical, Drop so Left side of Stock is Up :	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	
Firearm Vertical, Drop so Right side of Stock is Up :	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	

Notes: _____

Tester Initials: JW

ET19908

TLW 0546
Project No. 241095

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

Rifle
Firecontrol No. A-4 Firecontrol Type: STANDARD Date: 6-12-01
Dry Cycles/Rounds Completed: Stock Type STANDARD Engagement at Start .0204
Model No. 710 Serial No. 71017722 Engagement at End .0204
Trigger Pull at Start of Test (1) 4.0 (2) 4.0 (3) 4.5 (4) 4.0 (5) 4.0 (6) 4.0
Average Trigger Pull at Start of Test: 4.08 Std. Dev. of Trigger Pull at Start of Test:
Trigger Pull at End of Test (1) 4.5 (2) 4.5 (3) 5.0 (4) 4.5 (5) 4.25 (6) 4.75
Average Trigger Pull at End of Test: 4.58 Std. Dev. of Trigger Pull at End of Test: 83

Additional Notes and Comments

Bolt Body Diameter .6935 / with scope

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.

Comments

Barrel Horizontal, Bottom of Stock Down: Pass ☒ Fail _____
Barrel Horizontal, Bottom of Stock Up: Pass ☒ Fail _____
Barrel Horizontal, Left side of Stock Up: Pass ☒ Fail _____
Barrel Horizontal, Right side of Stock Up: Pass ☒ Fail _____
Barrel Vertical, Muzzle Up: Pass ☒ Fail _____
Barrel Vertical, Muzzle Down: Pass ☒ Fail _____

ET19909

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Project No. 241095

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S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST (cont'd)

SAAMI Specifications for Standard Drop Test:

Drop Test: 48 inch drop - onto 1" thick 85 durameter (ShoreA) 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.

	Pass	Fail	Comments
Barrel Horizontal, Bottom of Stock Down :	Pass <u>X</u>	Fail	
Barrel Horizontal, Bottom of Stock Up :	Pass <u>X</u>	Fail	Bent scope
Barrel Horizontal, Left side of Stock Up :	Pass <u>X</u>	Fail	
Barrel Horizontal, Right side of Stock Up :	Pass <u>X</u>	Fail	
Barrel Vertical, Muzzle Up :	Pass <u>X</u>	Fail	
Barrel Vertical, Muzzle Down :	Pass <u>X</u>	Fail	Loose scope

SAAMI Specifications for Standard Rotation Test:

Rotation Test: Rest Firearm on the Butt end and allow Firearm to Fall
Drop - onto 1" thick 85 durameter (ShoreA) 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" (safety in "Safe" position) - one drop per orientation.

	Pass	Fail	Comments
Firearm Vertical, Drop so Left side of Stock is Up :	Pass <u>X</u>	Fail	
Firearm Vertical, Drop so Right side of Stock is Up :	Pass <u>X</u>	Fail	

Notes: _____

Tester Initials: TW

ET19910

TLW 0546

Project No. 241095

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S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST (cont'd)

SAAMI Specifications for Standard Drop Test:

Drop Test: 48 inch drop - onto 1" thick 85 durameter (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.

	Pass	Fail	Comments
Barrel Horizontal, Bottom of Stock Down :	Pass <u>X</u>	Fail _____	
Barrel Horizontal, Bottom of Stock Up :	Pass <u>X</u>	Fail _____	Bent scope
Barrel Horizontal, Left side of Stock Up :	Pass <u>X</u>	Fail _____	
Barrel Horizontal, Right side of Stock Up :	Pass <u>X</u>	Fail _____	
Barrel Vertical, Muzzle Up :	Pass <u>X</u>	Fail _____	
Barrel Vertical, Muzzle Down :	Pass <u>X</u>	Fail _____	Loose scope

SAAMI Specifications for Standard Rotation Test:

Rotation Test: Rest Firearm on the Butt end and allow Firearm to Fall
Drop - onto 1" thick 85 durameter (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" (safety in "Safe" position) - one drop per orientation.

	Pass	Fail	Comments
Firearm Vertical, Drop so Left side of Stock is Up :	Pass <u>X</u>	Fail _____	
Firearm Vertical, Drop so Right side of Stock is Up :	Pass <u>X</u>	Fail _____	

Notes: _____

Tester Initials: TW

ET19911

TLW 0546

Project No. 241095

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

Rifle
Firecontrol No. A-5 Firecontrol Type: STANDARD Date: 6-12-01
Dry Cycles/Rounds Completed: _____ Stock Type STANDARD Engagement at Start 0203
Model No. 710 Serial No. 71015921 Engagement at End 0205
Trigger Pull at Start of Test (1) 4.0 (2) 3.75 (3) 4.0 (4) 4.0 (5) 4.0 (6) 4.0 83
Average Trigger Pull at Start of Test: 3.96 Std. Dev. of Trigger Pull at Start of Test: _____
Trigger Pull at End of Test (1) 3.75 (2) 4.25 (3) 4.0 (4) 3.75 (5) 3.75 (6) 4.0
Average Trigger Pull at End of Test: 3.92 Std. Dev. of Trigger Pull at End of Test: _____

Additional Notes and Comments

Bolt Body Diameter .6936 / with scope

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.

Comments

Barrel Horizontal, Bottom of Stock Down:	Pass <u>X</u> Fail _____	_____
Barrel Horizontal, Bottom of Stock Up:	Pass <u>X</u> Fail _____	_____
Barrel Horizontal, Left side of Stock Up:	Pass <u>X</u> Fail _____	_____
Barrel Horizontal, Right side of Stock Up:	Pass <u>X</u> Fail _____	_____
Barrel Vertical, Muzzle Up:	Pass <u>X</u> Fail _____	_____
Barrel Vertical, Muzzle Down:	Pass <u>X</u> Fail _____	_____

ET19912

TLW 0546

Project No. 241095

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

Rifle
Firecontrol No. A-5 Firecontrol Type: STANDARD Date: 6-12-01
Dry Cycles/Rounds Completed: _____ Stock Type STANDARD Engagement at Start 0203
Model No. 710 Serial No. 71015921 Engagement at End 0205 **83**
Trigger Pull at Start of Test (1) 4.0 (2) 3.75 (3) 4.0 (4) 4.0 (5) 4.0 (6) 4.0
Average Trigger Pull at Start of Test: 3.96 Std. Dev. of Trigger Pull at Start of Test: _____
Trigger Pull at End of Test (1) 3.75 (2) 4.25 (3) 4.0 (4) 3.75 (5) 3.75 (6) 4.0
Average Trigger Pull at End of Test: 3.92 Std. Dev. of Trigger Pull at End of Test: _____

Additional Notes and Comments

Bolt Body Diameter .6936 / WITH SCOPE

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.

Comments

Barrel Horizontal, Bottom of Stock Down:	Pass <u>X</u> Fail _____	_____
Barrel Horizontal, Bottom of Stock Up:	Pass <u>X</u> Fail _____	_____
Barrel Horizontal, Left side of Stock Up:	Pass <u>X</u> Fail _____	_____
Barrel Horizontal, Right side of Stock Up:	Pass <u>X</u> Fail _____	_____
Barrel Vertical, Muzzle Up:	Pass <u>X</u> Fail _____	_____
Barrel Vertical, Muzzle Down:	Pass <u>X</u> Fail _____	_____

ET19913

TLW 0546

Project No. 241095

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S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST (cont'd)

SAAMI Specifications for Standard Drop Test:

Drop Test: 48 inch drop - onto 1" thick 85 durameter (ShoreA) 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.

			Comments
Barrel Horizontal, Bottom of Stock Down :	Pass <u>X</u>	Fail _____	
Barrel Horizontal, Bottom of Stock Up :	Pass <u>X</u>	Fail _____	<u>Red scope</u>
Barrel Horizontal, Left side of Stock Up :	Pass <u>X</u>	Fail _____	
Barrel Horizontal, Right side of Stock Up :	Pass <u>X</u>	Fail _____	
Barrel Vertical, Muzzle Up :	Pass <u>X</u>	Fail _____	
Barrel Vertical, Muzzle Down :	Pass <u>X</u>	Fail _____	

SAAMI Specifications for Standard Rotation Test:

Rotation Test: Rest Firearm on the Butt end and allow Firearm to Fall
Drop - onto 1" thick 85 durameter (ShoreA) 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" (safety in "Safe" position) - one drop per orientation.

			Comments
Firearm Vertical, Drop so Left side of Stock is Up :	Pass <u>X</u>	Fail _____	
Firearm Vertical, Drop so Right side of Stock is Up :	Pass <u>X</u>	Fail _____	

Notes: _____

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

Rifle
Firecontrol No. A 60 Firecontrol Type: STANDARD Date: 6-12-01
Dry Cycles/Rounds Completed: Stock Type STANDARD Engagement at Start .0204
Model No. 710 Serial No. 71016333 Engagement at End .0205
Trigger Pull at Start of Test (1) 4.0 (2) 4.0 (3) 4.0 (4) 3.75 (5) 4.0 (6) 4.0
Average Trigger Pull at Start of Test: 3.96 Std. Dev. of Trigger Pull at Start of Test: 83
Trigger Pull at End of Test (1) 4.5 (2) 3.75 (3) 3.75 (4) 4.0 (5) 4.0 (6) 4.0
Average Trigger Pull at End of Test: 4.0 Std. Dev. of Trigger Pull at End of Test:

Additional Notes and Comments

Bolt Body Diameter .6933 / with scope

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.

Comments

Barrel Horizontal, Bottom of Stock Down: Pass X Fail
Barrel Horizontal, Bottom of Stock Up: Pass X Fail
Barrel Horizontal, Left side of Stock Up: Pass X Fail
Barrel Horizontal, Right side of Stock Up: Pass X Fail
Barrel Vertical, Muzzle Up: Pass X Fail
Barrel Vertical, Muzzle Down: Pass X Fail

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S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST (cont'd)

SAAMI Specifications for Standard Drop Test:

Drop Test: 48 inch drop - onto 1" thick 85 durameter (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.

	Pass	Fail	Comments
Barrel Horizontal, Bottom of Stock Down :	Pass <u>X</u>	Fail _____	
Barrel Horizontal, Bottom of Stock Up :	Pass <u>X</u>	Fail _____	Be not scope
Barrel Horizontal, Left side of Stock Up :	Pass <u>X</u>	Fail _____	
Barrel Horizontal, Right side of Stock Up :	Pass <u>X</u>	Fail _____	
Barrel Vertical, Muzzle Up :	Pass <u>X</u>	Fail _____	
Barrel Vertical, Muzzle Down :	Pass <u>X</u>	Fail _____	

SAAMI Specifications for Standard Rotation Test:

Rotation Test: Rest Firearm on the Butt end and allow Firearm to Fall
Drop - onto 1" thick 85 durameter (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" (safety in "Safe" position) - one drop per orientation.

	Pass	Fail	Comments
Firearm Vertical, Drop so Left side of Stock is Up :	Pass <u>X</u>	Fail _____	
Firearm Vertical, Drop so Right side of Stock is Up :	Pass <u>X</u>	Fail _____	

Notes: _____

Tester Initials: JW

ET19916