

b1
SERIAL # 71008100

MODEL 710 ENVIRONMENTAL TEST

TRACKING # TLW 0407

DATE - 5-23-01

PROJECT # 241095

SHOOTER - JEFF

CONDITION - COLD

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

Misfire - 12

NOTE * - All misfires had light indent

ROUNDS AFTER 100

ET19898

84
SERIAL # 71008118
DATE - 5.25.01
SHOOTER - Jeff

MODEL 710 ENVIRONMENTAL TEST

TRACKING # TLW 0407
PROJECT # 241095

CONDITION - HEAT & HUMIDITY

ROUNDS BEFORE 0

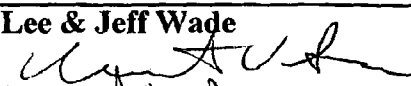

AMMO TYPE	REM R210W2	270	LOT # M29 N136628
1		51	
2		52	
3		53	
4		54	
5	cycle safety	55	cycle safety
6		56	
7		57	
8		58	
9		59	
10	cycle safety	60	✓ cycle safety
11		61	
12		62	
13		63	
14		64	
15	cycle safety	65	cycle safety
16		66	
17		67	
18		68	
19		69	
20	✓ cycle safety	70	cycle safety
21		71	
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

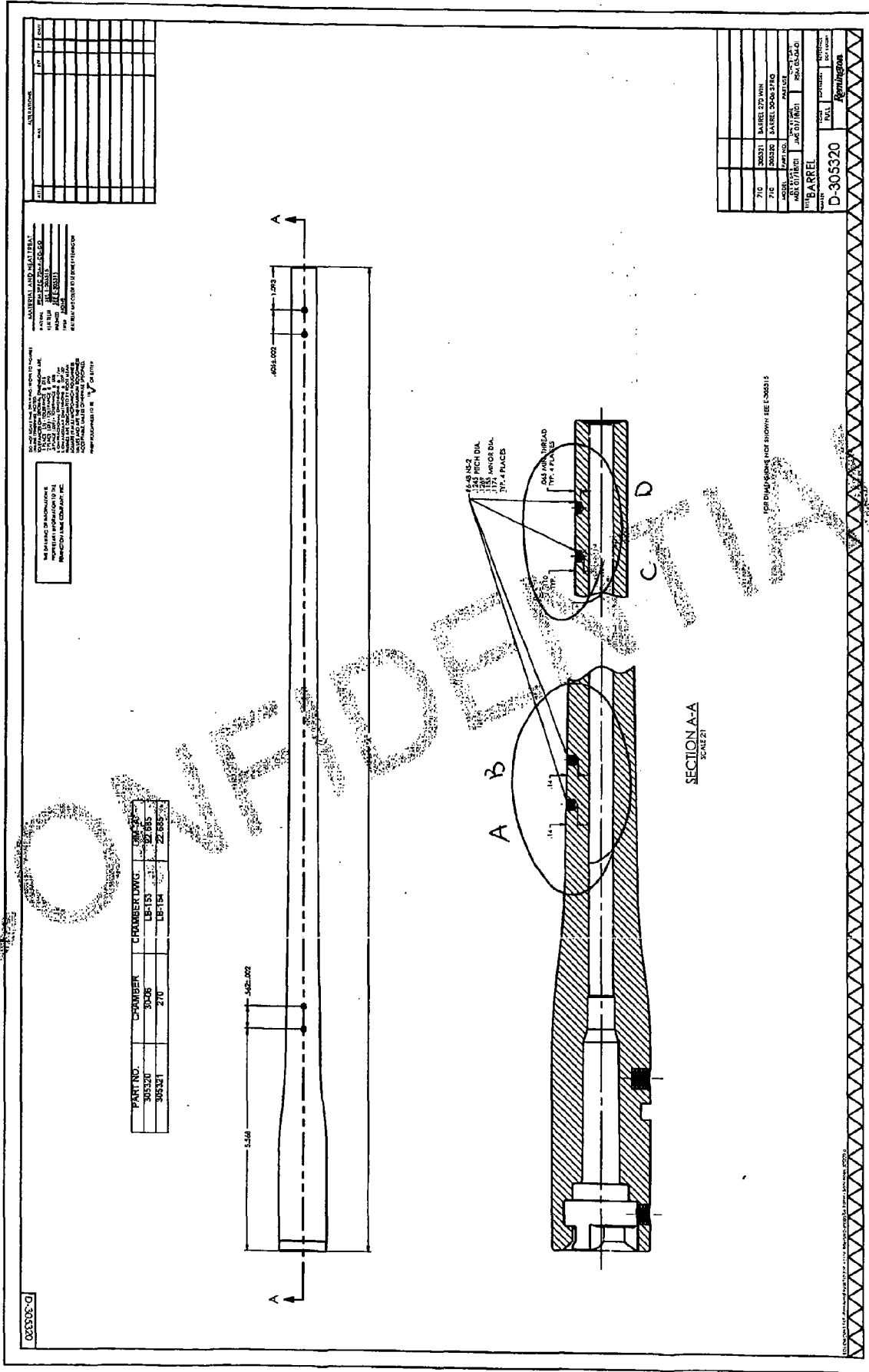
ET19899

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

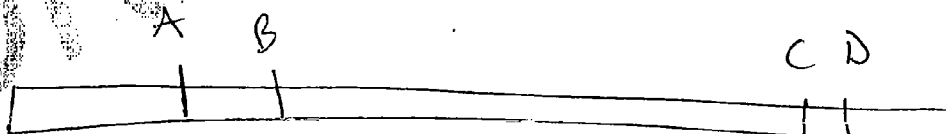
" D .1115

" D .1100

~~" D~~

~~" D~~

~~" D~~



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ET19902

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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 <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 _____	_____

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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 <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 0546Project 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: 6-12-01Dry Cycles/Rounds Completed: Stock Type STANDARD Engagement at Start .020Model No. 710 Serial No. 71015574 Engagement at End .0205Trigger Pull at Start of Test (1) 4.0 (2) 4.0 (3) 4.0 (4) 4.0 (5) 3.75 (6) 4.0Average Trigger Pull at Start of Test: 3.96 Std. Dev. of Trigger Pull at Start of Test: 83Trigger Pull at End of Test (1) 4.0 (2) 4.0 (3) 3.75 (4) 4.0 (5) 4.5 (6) 3.75Average 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

TLW 0546Project 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: 6-12-01Dry Cycles/Rounds Completed: _____ Stock Type STANDARD Engagement at Start 020Model 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) 4.0Average 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 83Average 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 / SAAMF Z299.5-1990

SAAMF Specifications for Standard Jar-Off Test:

Jar-Off Test: 12 inch drop - onto 1" thick 85 durameter (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 (safely 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 durometer (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 _____	Front sight fell off
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 durometer (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: JW

ET19906

TLW 0546Project 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	<input checked="" type="checkbox"/>	Fail	_____
Barrel Horizontal, Bottom of Stock Up:	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 Vertical, Muzzle Up:	Pass	<input checked="" type="checkbox"/>	Fail	_____
Barrel Vertical, Muzzle Down:	Pass	<input checked="" type="checkbox"/>	Fail	_____

ET19907

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	
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

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

ET19909

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 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.

	Pass	Fail	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"/>	Bent scope
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"/>	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 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" (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: TLW

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 durometer (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 durometer (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

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 .6930 / 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	<input checked="" type="checkbox"/>	Fail	_____
Barrel Horizontal, Bottom of Stock Up:	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 Vertical, Muzzle Up:	Pass	<input checked="" type="checkbox"/>	Fail	_____
Barrel Vertical, Muzzle Down:	Pass	<input checked="" type="checkbox"/>	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 .6436 / 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	

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 (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	But 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: _____

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

Rifle
 Firecontrol No. A 760 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 ☒ 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 _____

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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.

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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