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 pall (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:	Test Results Required:
Manpower Requirements	Formal Report: Data Only:X
Facility Requirements –	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: 06-12-0/
Completion Date: 06-12-0/
Report Date: 06-12-0/
Assignment Date:06/11/01

PROJECT: # 241095 TLW0546

.... RÉMINGTÓN M/710 ...

REDUCED BOLT BODY DIAMETER

START DATE: 06-12-01 FINISH DATE: 06-13-01

M/ 710 RIFLE REDUCED DIAMETER BOLT BODY

PROJECT #241095

TLW0546

6/13/01

INITIAL TR	INITIAL TRIGGER PULL							
avg. of 6 m	easurements							
A1	5 88							
A2	3.96							
A3	4 79							
A4	4.88							
A5	4.66							
A6	4.62							

1	SET PRIOR TO DROP TEST									
	•									
į	avg. of 6 measurements									
		TRIGGER PULL	ENGAGEMENT							
	A1	3 96	0 0200							
	A2	3.96	0.0200							
	A3	3.96	0.0207							
	A4	4 08	0.0204							
	A5	3 96	0.0203							
	A6	3.96	0.0204							

AFTER DE	ROP TEST								
avg. of 6 measurements									
	TRIGGER PULL	ENGAGEMENT							
A1	4.00	وي 0.0200							
A2	4.00	0.0200							
A 3	4.00	0 0207							
A4	4 58	0.0204							
A5	3: 92	0 0203							
A6	3.96°	1 0.0204							
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A4	689 +.002	ľ
A5	688 ± 003	ı
A6	.689 🕯 002	l
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Remington.

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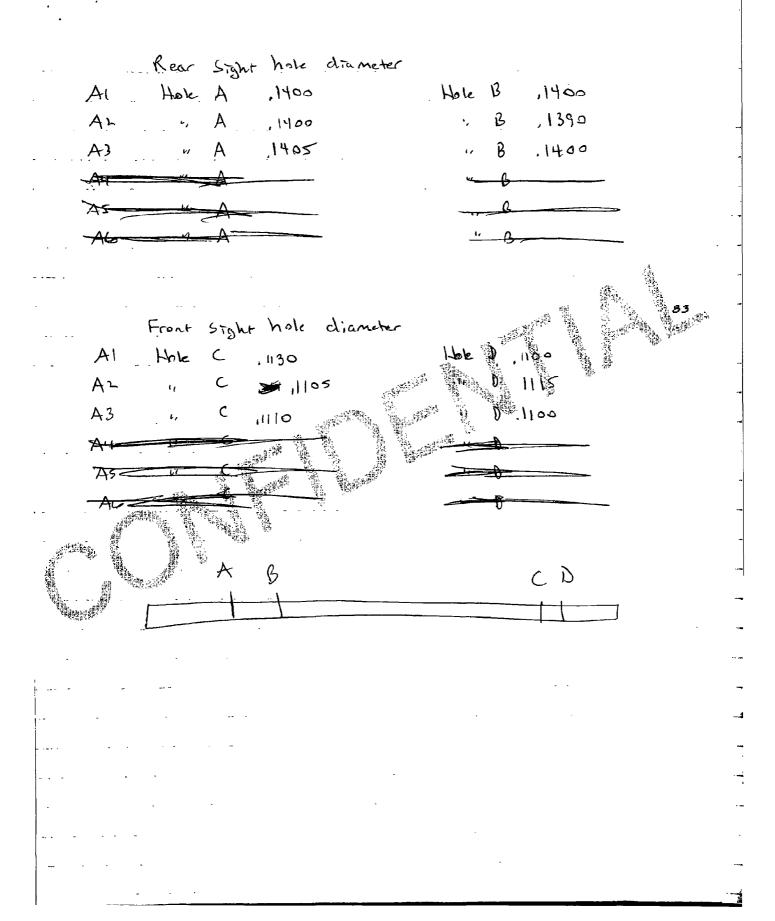
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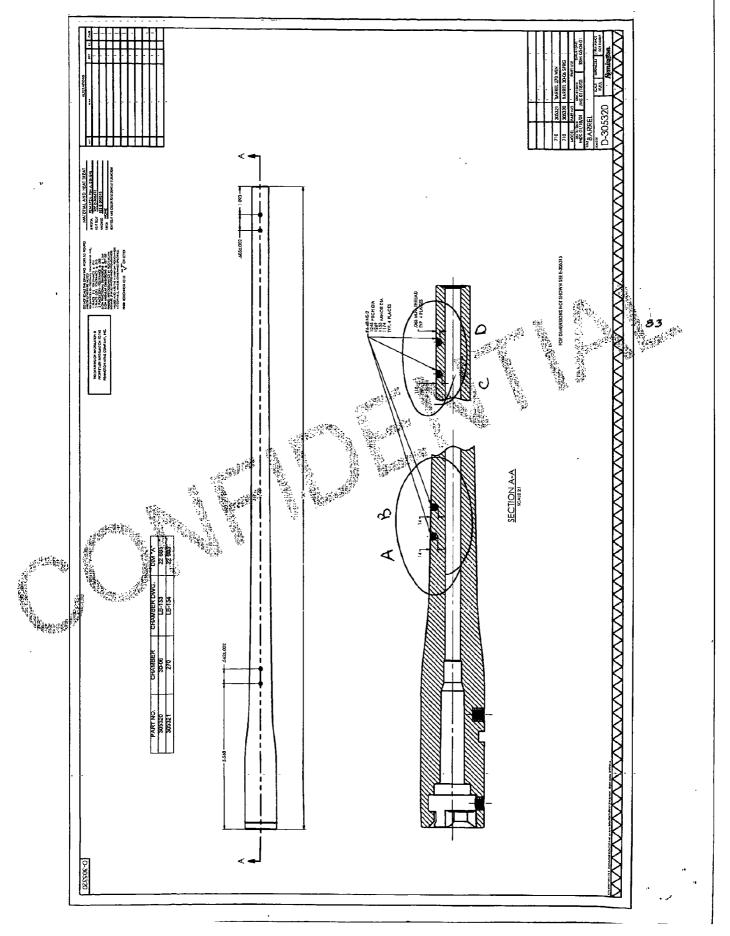
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DATE 6/8/01			-	·		L				_
NAME Helmer TEST: Drop test on guns with bolt body at .690 dia. M/710's (30-06 cal.)	-			M/710 ENG	SINEERING	TEST GU	NS		,	
TEST: Drop test on guns with bolt body at .690 dia. M/710's (30-06 cal.)										
NAME Helmer TEST: Drop test on guns with bolt body at .690 dia. M/710's (30-06 cal.)	DATE	6/8/01	-							
TEST: Drop test on guns with bolt body at .890 dia. M/710's (30-06 cal.) GTY. 3 ca. Scoped guns and 3 ca. Sighted guns. SENT TO: E-town C/O Mike Keeney **RECENSIVES** FINATURE SELEN** Ser. No. T.P. Fix. T.P. Ben. Sear Lift Scoped 71017722 5.087 ib. 4.667 ib. 0.015 71016333 4.912 ib. 4.417 ib. 0.016 71015321 5.045 ib. 5.000 ib. 0.017 Sighted 71015574 4.968 ib. 5.000 ib. 0.015 71016032 5.080 ib. 5.000 ib. 0.016 71015057 4.877 ib. 4.583 ib. 0.016 Avg. 4.992 ib. 4.778 ib. 0.016 NOTE: No Duco certient was put on any of the adjusting screws.		3.302								
TEST: Drop test on guns with bolt body at .890 dia. M/710's (30-06 cal.) GTY. 3 ca. Scoped guns and 3 ca. Sighted guns. SENT TO: E-town C/O Mike Keeney **RECENSIVES** FINATURE SELEN** Ser. No. T.P. Fix. T.P. Ben. Sear Lift Scoped 71017722 5.087 ib. 4.667 ib. 0.015 71016333 4.912 ib. 4.417 ib. 0.016 71015321 5.045 ib. 5.000 ib. 0.017 Sighted 71015574 4.968 ib. 5.000 ib. 0.015 71016032 5.080 ib. 5.000 ib. 0.016 71015057 4.877 ib. 4.583 ib. 0.016 Avg. 4.992 ib. 4.778 ib. 0.016 NOTE: No Duco certient was put on any of the adjusting screws.	NAME	Helmer				 			 	
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M/710's (30-06 cal.)	TEST:	Dron tost	on gune wi	th halt had	14 mt 600 d	l	 		 	
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BARBER - 5.22.06r0007189

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	0546
Project No	241095
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Rifle Firecontrol No. A-1	Firecontrol Type: STANDARD	Date: 6-12-01
Dry Cycles/Rounds Completed:	Stock Type STANDARD Engag	ement at Start .020
Model No. 710 Serial	No. 716 15574 Engagement	nt at End
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 Po	ıll at Start of Test:
	(2) 4.0 (3) 3.75 (4) 4.0	선생 기사이 가장 그 그 그
	4.0 Std. Dev. of Trigger Pal	
	ditional Notes and Comments	
Bolt Body Diameter ,	West's 65	
Dort 12 and Oracles	VOIS SOURCE	
		,
4 7 T 2 T	oper procedures to be used for this Te	st Procedure refer to:
	ANSI / SAAMI Z299.5-1990	
SAAMI Specifications for Star	ndard Jar-Off Test:	
	o - onto 1" thick 85 durameter (ShoreA) Rubber Matt
Firearm red	ady to fire,Safe in "Fire" position, Fres	sh Primed Case in
4-6, 5° "MA 2	Magazine loaded to capacity with Dum	=
After each o	lrop Fire Primed Case to verify firearn	i will still function,
12 inch drop (safe	ty in "Fire" position) - one drop per ori	entation.
	C	omments
Barrel Horizonal, Bottom of Stock Down:	Pass X Fail	
Barrel Horizonal, Bottom of Stock Up:	Pass X Fail	
Barrel Horizonal, Left side of Stock Up:	Pass X Fail	
Barrel Horizonal, Right side of Stock Up:	Pass X Fail	
Barrel Vertical, Muzzle Up:	Pass X Fail	
Barrel Vertical, Muzzle Down:	Pass X Fail	
	•	

	Project No. 241095
	Page 2 of 2
S.A	.A.M.I. JAR-OFF, DROP & ROTATION TEST (cont'd)
SAAMI Specific	cations for Standard Drop Test:
•	48 inch drop - onto 1" thick 85 durameter (ShoreA) Rubber Matt
<u>Drop Test</u> :	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 i	nch drop (safety in "Safe" position) - one drop per orientation.
Barrel Horizonal, Bottom Barrel Horizonal, Left sid Barrel Horizonal, Right si Barrel Vertical, Muzzle U Barrel Vertical, Muzzle D	e of Stock Up: Pass X Fail de of Stock Up: Pass X Fail Up: Pass Fail Down: Pass X Fail
Rotation Fest	cations for Standard 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.
Rotation Fest	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 Eest	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.
Rotation Fest "F	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
Rotation Fest "F	Rest Firearm on the Butt end and allow Firearm to Fall Drops 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 Lest side of Stock is Up: Pass X Fail
Rotation Fest "F	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 Left side of Stock is Up: Pass X Fail Right side of Stock is Up: Pass X Fail
Rotation Fest "Firearm Vertical, Drop so	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 Left side of Stock is Up: Pass X Fail Right side of Stock is Up: Pass X Fail

TLW 0546

TLW_	0546
Project No.	241095

Page 1 of 2

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

Gifle Firecontrol No. A-2	Firecontrol Type: STANARD 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) 3.7 5 (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
	4.0 Std. Dev. of Trigger Pull at End of Test
	ditional Notes and Comments
	3/ With out Scope / trigger full adjusted
	/ magazina
For additional details on the pr	per procedures to be used for this Test Procedure refer to:
さ こ 18 27 27 27 27 27 27 27 27 27 27 27 27 27 	ANSI / SAAMI Z299.5-1990
SAAMI Specifications for Stan	4N317 SAAMI 2299.3-1990
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	o - onto 1" thick 85 durameter (ShoreA) Rubber Matt
- 1.45km 音楽和音楽を - 2.45 - 1.45km - 3.45km - 3.4	dy to fire,Safe in "Fire" position, Fresh Primed Case in Aagazine loaded to capacity with Dummy Rounds.
764. '**')	rop Fire Primed Case to verify firearm will still function.
	y in "Fire" position) - one drop per orientation.
TREE CONT.	Comments
	Pass X Fail
Barrel Horizonal, Bottom of Stock Up:	Pass X Fail
Barrel Horizonal, Left side of Stock Up:	Pass X Fail
Barrel Horizonal, Right side of Stock Up:	Pass X Fail
Barrel Vertical, Muzzle Up:	Pass X Fail
Barrel Vertical, Muzzle Down:	Pass K Fail

	TLW 0546
	Project No. 241095
	Page 2 of 2
S.A	A.A.M.I. JAR-OFF, DROP & ROTATION TEST (cont'd)
SAAMI Specifi	cations for Standard Drop Test:
<u>Drop Test</u> :	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.
Barrel Horizonal, Bottom Barrel Horizonal, Left sid Barrel Horizonal, Right s Barrel Vertical, Muzzle t Barrel Vertical, Muzzle I SAAMI Specif Rotation Test	de of Stock Up: Pass K Fail Up: Pass K Fail Down: Pass K Fail It: 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.
Ţ.	Comments
	Deft side of Stock is Up: Pass X Fail
irearm Vertical, Drop s	so Right side of Stock is Up: Pass X Fail
Notes:	·
	Tester Initials: Jw

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Rifele Firecontrol No. <u>A-3</u>	Firecontrol Type: STANDARD Date: 6-12-01
Dry Cycles/Rounds Completed:	Stock Type STANDARD Engagement at Start ,0207
Model No. 710 Seria	No. 710 150 57 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) 3.7.5
Average Trigger Pull at Start of Test:	396 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) 40 (6) 40 83
	4.0 Std. Dev. of Trigger Pall at End of Test
	ditional Notes and Comments
Bolt Body Diameter , 69	
45±71.	oper procedures to be used for this Test Procedure refer to:
	ANSI/SAAMI Z299.5-1990
SAAMI Specifications for Star	
Jar-Off Test: 12 inch droj	o - onto 1" thick 85 durameter (ShoreA) Rubber Matt
2017年11日 1910年 - 福祉 (日本)	idy to fire,Safe in "Fire" position, Fresh Primed Cuse in Magazine loaded to capacity with Dummy Rounds.
, 2000 NGC	lrop Fire Primed Case to verify firearm will still function.
12 inch drop (safe	ty in "Fire" position) - one drop per orientation.
Assistant Commencer Commen	Comments
Rarral Harizanal Battam of Stock Down	Pass X Fail
Barrel Horizonal, Bottom of Stock Up:	Pass X Fail
Barrel Horizonal, Left side of Stock Up:	Pass X Fail
	Pass X Fail
Barrel Vertical, Muzzle Up:	
Barrel Vertical, Muzzle Down:	Pass X Fail

Page 2 of 2 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 Comments Agreed Horizonal, Bottom of Stock Down: Pass X Fail arrel Horizonal, Left side of Stock Up: Pass X Fail arrel Horizonal, Right side of Stock Up: Pass X Fail arrel Vertical, Muzzle Down: SAAMI Specifications for Standard Rotation Test: Rotation Fest: Rotation Fest: Rotation Fest: Rotation (safety in "Safe" position) - one drop per orientation. Comments 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 Right side of Stock is Up: Pass X Fail Firearm Vertical, Drop so Right side of Stock is Up: Pass X Fail Notes: Tesser Initials: Tesser Initials:		TLW 0546
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 arrel Horizonal, Bottom of Stock Down: Pass K Fail arrel Horizonal, Left side of Stock Up: Pass K Fail arrel Horizonal, Right side of Stock Up: Pass K Fail arrel Vertical, Muzzle Up: Pass K Fail SAAMI Specifications for Standard Rotation Test: Rotation Test: Rotation Test: Rotation Frest: Rest Firearm on the Butt end and allow Firearm to Fall Drops - 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 X Fail Notes: Notes:		Project No. 241095
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 arrel Horizonal, Bottom of Stock Down: Pass X Fail arrel Horizonal, Left side of Stock Up: Pass X Fail arrel Horizonal, Right side of Stock Up: Pass X Fail arrel Vertical, Muzzle Up: Pass X Fail SAAMI Specifications for Standard Rotation Test: Rotation Test: Rotation Test: Rotation Fire Trimed Case to verify 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 Right side of Stock is Up: Pass X Fail Firearm Vertical, Drop so Right side of Stock is Up: Pass X Fail Notes:	•	
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 arrel Horizonal, Bottom of Stock Down: Pass K Fail sarrel Horizonal, Left side of Stock Up: Pass K Fail sarrel Horizonal, Right side of Stock Up: Pass K Fail sarrel Vertical, Muzzle Up: Pass K Fail sarrel Vertical, Muzzle Down: SAAMI Specifications for Standard Roiation Test: Rotation Fest: Resh 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 Right side of Stock is Up: Pass K Fail Notes:	S.A	A.M.I. JAR-OFF, DROP & ROTATION TEST (cont'd)
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 arrel Horizonal, Bottom of Stock Down: Pass X Fall arrel Horizonal, Left side of Stock Up: Pass X Fall arrel Horizonal, Right side of Stock Up: Pass X Fall arrel Vertical, Muzzle Up: Pass X Fall SAAMI Specifications for Standard Rotation Test: Rotation Fest: Rest Firearm on the Butt end and allow Firearm to Fall Drops - onto 1" thick 85 durameter (Shored) 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 X Fail Firearm Vertical, Drop so Right side of Stock is Up: Pass X Fail Firearm Vertical, Drop so Right side of Stock is Up: Pass X Fail Notes:	SAAMI Specifi	cations for Standard Drop Test:
Comments Comments	<u>Drop Test</u> :	Firearm not ready to fire,Safe in "Safe" position, Fresh Primed Case in Chamber, Magazine loaded to capacity with Dummy Rounds.
arrel Horizonal, Bottom of Stock Down: Pass X Fail arrel Horizonal, Bottom of Stock Up: Pass X Fail arrel Horizonal, Left side of Stock Up: Pass X Fail arrel Horizonal, Right side of Stock Up: Pass X Fail arrel Horizonal, Right side of Stock Up: Pass X Fail arrel Vertical, Muzzle Up: Pass X Fail arrel Vertical, Muzzle Down: Pass X Fail startel Vertical, Prophonomial Startel Vertical, Prophonomial Startel Vertical, Prophonomial Startel Vertical, Prophonomial Startel Vertical, Drop so Left side of Stock is Up: Pass X Fail Stream Vertical, Drop so Right side of Stock is Up: Pass X Fail Notes:	48	inch drop (safety in "Safe" position) - one drop per orientation.
sarrel Horizonal, Bottom of Stock Up: Pass X Fail sarrel Horizonal, Left side of Stock Up: Pass X Fail sarrel Horizonal, Right side of Stock Up: Pass X Fail sarrel Vertical, Muzzle Up: Pass X Fail sarrel Vertical, Muzzle Down: Pass X Fail sarrel Vertical, Muzzle Down: Pass X Fail SAAMI Specifications for Standard Rotation Test: Rotation Fest: 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 Right side of Stock is Up: Pass X Fail Notes: Notes:	owel Howers Dottom	
SAMI Specifications for Standard Rotation Test: Rotation Fest: 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 "irearm Vertical, Drop so Right side of Stock is Up: Pass X Fail Notes: Notes:		
SAAMI Specifications for Standard Rotation Test: Rotation Test: Rotation Test: Rotation Test: 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 Dunny 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 X Fail Notes:		
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 X Fail Notes:		
SAAMI Specifications for Standard Rotation Test: Rotation Fest: 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 X Fail Notes:	_	
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 X Fail Firearm Vertical, Drop so Right side of Stock is Up: Pass X Fail Notes:	SAAMI Specif	ications for Standard Rotation Test: :- Rest Firearm on the Butt end and allow Firearm to Fall
Comments Firearm Vertical, Drop so Left side of Stock is Up: Pass X Fail Firearm Vertical, Drop so Right side of Stock is Up: Pass X Fail Notes:		Firearm not ready to fire Safe in "Safe" position, Fresh Primed Case in Chamber, Magazine loaded to capacity with Dummy Rounds.
Firearm Vertical, Drop so Left side of Stock is Up: Pass X Fail Firearm Vertical, Drop so Right side of Stock is Up: Pass X Fail Notes:	"I	Rotation" (safety in "Safe" position) - one drop per orientation.
Notes:		Comments
Notes:	irearm Vertical, Drop so	Left side of Stock is Up: Pass X Fail
	-	
	Notes:	,
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Tester Initials: Jw		
Tester Initials.		Topica Initiala. JW
		Tester Initials.

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gifle Firecontrol No. A-4	Firecontrol Type: STANDARD Date: 6-12-01
	Stock Type STANDARD Engagement at Start .0204
Model No. 710 Serial	No. 710 17722 Engagement at End 10204
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) 4.7583
	4,58 Std. Dev. of Trigger Pull at End of Test
	ditional Notes and Comments
Bolt Body Diameter, 69.	
For additional details on the pr	per procedures to be used for this Test Procedure refer to:
45/E27 ^A P	ANSI / SAAMI Z299.5-1990
SAAMI Specifications for Star	
a militar karan a maran a mara	
	o - onto 1" thick 85 durameter (ShoreA) Rubber Matt dy to fire,Safe in "Fire" position, Frcsh Primed Case in
Chamber, M	Aagazine loaded to capacity with Dummy Rounds.
	rop Fire Primed Case to verify firearm will still function.
12 inch drop (safet	y in "Fire" position) - one drop per orientation.
- Segmen	Comments
Barrel Horizonal, Bottom of Stock Down:	Pass X Fail
Barrel Horizonal, Bottom of Stock Up:	Pass X Fail
Barrel Horizonal, Left side of Stock Up:	Pass X Fail
	Pass K Fail
Barrel Vertical, Muzzie Down:	Pass X Fail

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	Project No. 241095	
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S.A	A.M.I. JAR-OFF, DROP & ROTATION TEST (cont'd)	
SAAMI Specific	ation's 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 i	nch drop (safety in "Safe" position) - one drop per orientation. **Comments**	3
arrel Horizonal, Bottom arrel Horizonal, Left side arrel Horizonal, Right si barrel Vertical, Muzzle U barrel Vertical, Muzzle D SAAMI Specifi Rotation Test	de of Stock Up: Pass X Fail p: Pass X Fail p: Pass X Fail cations for Standard Rotation Test: Rest Firearm on the Butt end and allow Firearm to Fall Dropt - 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. cotation" (safety in "Safe" position) - one drop per orientation. Comments	¿F.
	Left side of Stock is Up: Pass X Fail	-
	Right side of Stock isUp: Pass X Fail	- -
	Tester Initials: TW	_
	Tester Initials:	

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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
Average Trigger Pull at Start of Test:	3.% 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 83
Average Trigger Pull at End of Test:	3.92 Std. Dev. of Trigger Pull at End of Test:
Ado	ditional Notes and Comments
Bolt Body Diameter	6936 / WITH SCOPE
For additional details on the pre	per procedures to be used for this Test Procedure refer to:
	ANSI /SAAMI Z299.5-1990
SAAMI Specifications for Stan	도 월급(- ¹⁹⁹⁶⁾
	o - onto 1'' thick 85 durameter (ShoreA) Rubber Matt
Firearm rea	dy to fire,Sufe in "Fire" position, Fresh Primed Case in
	Magazine loaded to capacity with Dummy Rounds. Frop Fire Primed Case to verify firearm will still function.
008 1500.050 646	
12 men drop (saret	y in "Fire" position) - one drop per orientation.
	Comments
	Pass X Fail
Barrel Horizonal, Bottom of Stock Up:	Pass X Fail
Barrel Horizonal, Left side of Stock Up:	Pass X Fail
	Pass X Fail
Barrel Vertical, Muzzle Up:	
Barrel Vertical, Muzzle Down:	Pass X Fail

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S.A	A.A.M.I. JAR-0	OFF, DROP	% ROTA	FION TEST (cont'd)
SAAMI Specifi	ications for Star	ndard Drop	Test:		
<u>Drop Test</u> :	Firearm not in Chamber	t ready to fir ; Magazine	e,Safe in "S loaded to c	ameter (ShoreA) Rubb Safe" position, Fresh , apacity with Dummy , to verify firearm will s	Primed Case Rounds.
48	inch drop (safet	ty in "Safe" j	position) - c	one drop per orientatio	on.
rrel Horizonal, Botton rrel Horizonal, Botton rrel Horizonal, Left sic rrel Horizonal, Right s rrel Vertical, Muzzle U	n of Stock Up : de of Stock Up : side of Stock Up : Up :	Pass X Pass X Pass X Pass X Pass X	Fail Fail Fail Fail	Commer Burn schoe	atts S
Rotation Tes	fications for Sta (: Rest Firear Drop - onto Firearm no in Chamber After each	rm on the Bu o 1" thick 85 ot ready to fi r, Magazine drop Fire Pi	att end and o 5 durameter re,Safe in " 2 loaded to o rimed Case	allow Firearm to Fall (ShoreA) Rubber Ma Safe" position, Fresh capacity with Dummy to verify firearm will	Primed Case Rounds. still function.
SAAMI Specij <u>Rotation Tes</u>	fications for Sta (: Rest Firear Drop - onto Firearm no in Chamber After each	rm on the Bu o 1" thick 85 ot ready to fi r, Magazine drop Fire Pi	att end and o 5 durameter re,Safe in " 2 loaded to o rimed Case	(ShoreA) Rubber Ma Safe" position, Fresh capacity with Dummy to verify firearm will one drop per orientation	Primed Case Rounds. still function.
SAAMI Speciy Rotation Tes	fications for Sta E. Rest Firear Drops- onto Firearm no in Chamber After each of Rotation" (safc	rm on the Bu o 1" thick 85 ot ready to fi r, Magazine drop Fire Pr ety in "Safe"	att end and a durameter re,Safe in " e loaded to a rimed Case position) -	(ShoreA) Rubber Ma Safe" position, Fresh capacity with Dummy to verify firearm will one drop per orientation	Primed Case Rounds. still function. on.
SAAMI Specification Tess Rotation Tess "" rearm Vertical, Drop s	fications for Sta (: Rest Firear Drop - onto Firearin no in Chamber After each Rotation" (safc	rm on the Bu to 1" thick 85 to ready to five r, Magazine drop Fire Pr ty in "Safe" ck is Up: Pas	att end and of durameter re,Safe in " c loaded to crimed Case position) - c	(ShoreA) Rubber Ma Safe" position, Fresh capacity with Dummy to verify firearm will one drop per orientation	Primed Case Rounds. still function. on.
SAAMI Specification Tess Rotation Tess rearm Vertical, Drop server vertical, Drop serv	Tications for Sta I: Rest Firear Drop - onto Firearm no in Chamber After each of Rotation" (safc	rm on the Bu to 1" thick 85 of ready to fine r, Magazine drop Fire Pr ty in "Safe" ck is Up: Pas ock isUp: Pas	att end and of durameter re,Safe in " e loaded to orimed Case position) - or s x Fai	(ShoreA) Rubber Ma Safe" position, Fresh capacity with Dummy to verify firearm will one drop per orientatio Con	Primed Case Rounds. still function. on.
SAAMI Specification Tess Rotation Tess	Tications for Sta I: Rest Firear Drop - onto Firearm no in Chamber After each of Rotation" (safc	rm on the Bu to 1" thick 85 of ready to fine r, Magazine drop Fire Pr ty in "Safe" ck is Up: Pas ock isUp: Pas	att end and of durameter re,Safe in " e loaded to orimed Case position) - or s x Fai	(ShoreA) Rubber Ma Safe" position, Fresh capacity with Dummy to verify firearm will one drop per orientatio Con	Primed Case Rounds. still function. on.
SAAMI Specification Tess Rotation Tess rearm Vertical, Drop series of the properties	Tications for Sta I: Rest Firear Drop - onto Firearm no in Chamber After each of Rotation" (safc	rm on the Bu to 1" thick 85 of ready to fine r, Magazine drop Fire Pr ty in "Safe" ck is Up: Pas ock isUp: Pas	att end and of durameter re,Safe in " e loaded to orimed Case position) - or s x Fai	(ShoreA) Rubber Ma Safe" position, Fresh capacity with Dummy to verify firearm will one drop per orientatio Con	Primed Case Rounds. still function. on.
SAAMI Specification Tess Rotation Tess "" rearm Vertical, Drop s	Tications for Sta I: Rest Firear Drop - onto Firearm no in Chamber After each of Rotation" (safc	rm on the Bu to 1" thick 85 of ready to fine r, Magazine drop Fire Pr ty in "Safe" ck is Up: Pas ock isUp: Pas	att end and of durameter re,Safe in " e loaded to orimed Case position) - or s x Fai	(ShoreA) Rubber Ma Safe" position, Fresh capacity with Dummy to verify firearm will one drop per orientatio Con	Primed Case Rounds. still function. on.
SAAMI Specification Tess Rotation Tess rearm Vertical, Drop sortearm Vertica	Tications for Sta I: Rest Firear Drop - onto Firearm no in Chamber After each of Rotation" (safc	rm on the Bu to 1" thick 85 of ready to fine r, Magazine drop Fire Pr ty in "Safe" ck is Up: Pas ock isUp: Pas	att end and of durameter re,Safe in " e loaded to orimed Case position) - or s x Fai	(ShoreA) Rubber Ma. Safe" position, Fresh capacity with Dummy to verify firearm will cone drop per orientation Con	Primed Case Rounds. still function. on.

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Firecontrol No. A 6 Firecontrol Type: STANDARD Date: 6-12-01
Dry Cycles/Rounds Completed: Stock Type STANDARD Engagement at Start 10204
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:
Trigger Pull at End of Test (1) 4.5 (2) 3.75 (3) 3.75 (4) 4.0 (5) 5.0 (6) 4.0 53
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
- 550
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 durameter (ShoreA) 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 Horizonal, Bottom of Stock Down: Pass X Fail
Barrel Horizonal, Bottom of Stock Up: Pass X Fail
Barrel Horizonal, Left side of Stock Up: Pass X Fail
Barrel Horizonal, Right side of Stock Up: Pass X Fail
Barrel Vertical, Muzzle Up: Pass X Fail
Barrel Vertical, Muzzle Down: Pass X Fail Pass X Fail

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	Project No.	241095
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S.A	.A.M.I. JAR-OFF, DROP & ROTATION TEST (cont'd)
-	1888 P. 1888	
SAAMI Specific	cations for Standard Drop Test:	
Drop Test:	48 inch drop - onto 1" thick 85 durameter (ShoreA) Rubb Firearm not ready to fire,Safe in "Safe" position, Fresh in In Chamber, Magazine loaded to capacity with Dummy I After each drop Fire Primed Case to verify firearm will s	Primed Case Rounds.
48 i	nch drop (safety in "Safe" position) - one drop per orientatio	on.
arrel Horizonal, Bottom larrel Horizonal, Left sid larrel Horizonal, Right si Barrel Vertical, Muzzle U Barrel Vertical, Muzzle D SAAMI Specifi Rotation Test	de of Stock Up: Pass K Fail de of Stock Up: Pass K Fail p: Pass K Fail down: Pass K Fail cations for Standard Rotation Test: Rest Firearm on the Butt end and allow Firearm to Fall Droft - onto 1" thick 85 durameter (ShoreA) Rubber Mail Firearm not ready to fire, Safe in "Safe" position, Fresh in Chamber, Magazine loaded to capacity with Dummy After each drop Fire Primed Case to verify firearm will second to the safe of the sa	tt Primed Case Rounds. still function.
		nments
	Left side of Stock is Up: Pass X Fail	
ranges, prop st		
Notes:		
	Tester	Initials: JW