

Production Line Test

Issued... 2/1/71

STANDARD ENDURANCE TESTCENTER FIRE RIFLES

Conditions of Firing: One shot every 5 seconds. Time includes cooling and loading. Cool with compressed air every 40 rounds. Functioning - slow, medium and fast. Alternately load magazine. See Ammunition Schedule attached.

Conditions of Test: Have the following Heating, Cooling and Inspection *at 180 rds* every 1,000 rounds *and* after 10,000 dry cycles.

Clean barrel with metal cooling solution.

Measure barrel and magazine bore dimensions.

Check for gas leakage.

Check for gas leakage.

Check for gas leakage.

Perform Endurance Test #8.

Perform Test #10 - 5 rounds.

Perform Test #11 - 10 rounds.

Perform Test #12 - 10 rounds.

Perform Test #13 - 10 rounds. *380*
 Measure gas leakage at all intervals: 120, 2000, 4000, 6000 rounds and 10,000 dry cycles.

Measure barrel and magazine dimensions, wear and manual safety at 1,000 rounds and 10,000 dry cycles. Measure the weight of the barrel at 0 and 6000 rds.

Rounds

1. Over the barrel *0-1*

2. Over the barrel

3. Over the barrel

4. Over the barrel

5. Over the barrel

6. Over the barrel

7. Over the barrel

8. Over the barrel

9. Over the barrel

10. Over the barrel

11. Over the barrel

12. Over the barrel

13. Over the barrel

14. Over the barrel

15. Over the barrel

accuracy Test

(8 runs 119 rds each)
 (3 runs 60 rds each)

2-120
 121-180
 181-280

Determine
 Test Specifi-
 Products Committee

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~~12.8~~ Product Inspection Test.Rounds~~12. Accuracy Test #4 - 50 rounds.~~~~381-393~~

10. Angular Position Test - 60 rounds (20 rds. in each position).

381-443

~~14. Interchangeability Test (To determine the interchangeability of this test).~~~~*15. Lubrication Test (To determine the lubrication requirements of this test).~~~~441-1000~~
441-1000

11. Live Fire Test #12 - 560 rounds.

12. Accuracy Test #4 - 60 rounds.

1001-1060

13. Feeding rounds into "Loaded Chamber Test" - 10 rounds.

1061-1080

14. Fire 1 proof round.

1081-1082

15. Live Fire Test #12 - 839 rounds.

1082-1920

16. Fresh Gas Escape Test - 20 rounds.

1921-2000

17. Accuracy Test #4 - 60 rounds.

2001-2060

18. Fire 1 proof round.

2061-2062

*19. No Lubrication Test - 200 rounds.

2063-2262

20. Lubricate gun using Type III lubrication.

*21. Cold Test (-20°F.) - 100 rounds.

2263-2362

*22. Ice Test (-20°F.) - 5 rounds.

2363-2367

23. Live Fire Test #12 - 632 rounds.

2368-3000

24. Accuracy Test #4 - 60 rounds.

3001-3060

25. Fire 1 proof round.

3061-3062

*26. Test Test - 10 rounds.

3063-3082

27. Live Fire Test #12 - 898 rounds.

3083-3980

*28. Live Fire Test #12 - 898 rounds.

3981-4000

*29. Live Fire Test #12 - 898 rounds.

4001-4060

30. Live Fire Test #12 - 898 rounds.

4061-4062

31. Live Fire Test #12 - 898 rounds.

4063-4082

32. Live Fire Test #12 - 898 rounds.

4083-4082

*33. Live Fire Test #12 - 898 rounds.

4083-4142

*34. Live Fire Test #12 - 898 rounds.

4083-4142

60 rounds per

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35. ~~36.~~ Live Fire Test #4 - ~~250~~ rounds.36. ~~37.~~ Accuracy Test - 60 rounds.37. ~~38.~~ Fire 5 Proof Rounds.38. ~~39.~~ Head Space Test #3.

*39. "Cook Off Test" - for autoloading arms only. ~~Use Proof Chamber~~
 "Cook Off" can be obtained under 200 p.s.i. firing. Use Proof Chamber.

40. ~~Accuracy~~ 60 rounds

41. Determine if firing pin will fire

*46. *Sub Zero Test (-60°F.) - 100 rounds

*47. Chamber Fit Test #46 - 10 rounds

48. Perform 10,000 Dry Cycle Operations

*49. Gun Strength Test. subject gun to maximum pressure until strength is determined. ~~Use Proof Chamber~~

*50. Safety Lug Shear Test - 20 rounds.

*Adverse Conditions Test.

Rounds

4143-5000

5001-5060

5061-5065

5066-5940

5941-6000

AMMUNITION SCHEDULE

M/721 - Cal. 30-06 Infantry

Routing Ticket No.	Manufacturer	Ammunition Type	Quantity	Rounds
3	Remington	Proof Ammunition	100	0-1
8	Remington	Hi Speed, Bronze Point	100 (10 rounds)	2-120
	"	Hi Speed, Soft Point	100	
	"	Soft Point Express	100	
9	Western	Open Point Expanding	100	101-200
	"	Soft Point	100	
	"	Open Point Expanding	100	
	"	Silver Point	100	
	Winchester	Super Speed	100	
12	Remington	Bronze Point	100	101-150
*13	"	Soft Point	100	101-150
15	"	Mushroom	100	101-150
	"	Bronze Point	100	101-150
16	"	Soft Point	100	101-150
17	Remington	Bronze Point	100	101-150
18	"	"	100	101-150
19	"	Proof	100	101-150
20	"	Mushroom	100	101-150
21	"	Bronze Point	100	101-150
	"	Soft Point	100	101-150
	"	"	100	101-150
	"	Bronze Point	100	101-150

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Routing Ticket No.	Manufacturer	Ammunition Type	Price	Rounds
22	Remington	Bronze Point	150	2001-2050
23	"	Proof	150	2051-2052
*24	"	Soft Point	150	2053-2252
*25	"	"	150	2253-2352
*26	"	"	150	2353-2357
*27	"	"	150	2358-3000
28	"	"	150	3001-3050
29	"	Bronze Point	150	3051-3052
30	"	Proof	150	3053-3072
*31	"	Bronze Point	150	3073-3980
*32	"	"	150	3981-4000
*33	"	"	150	4001-4050
*34	"	"	150	4051-4052
*35	"	"	150	4053-4072
*36	"	"	150	4073-4132
*37	"	"	150	4133-5000
*38	"	"	150	5001-5050
*39	"	"	150	5051-5055
*40	"	"	150	5056-5890
*41	"	"	150	5891-5990
*42	"	"	150	5991-6000
*43	"	"	150	6001-6020
*44	"	"	150	6021-6040

13	Pen	Quinman			20	1001-1020
14	Pen	Proof book			1	1091-1092
15	Pen	H.S. L.P. C.B.H.	150	7330	350	1121-1170
	"	Exp. mach. C.B.H.	180	7130	350	1471-1520
	"	High Speed L.P. Point	150	R464	39	1082-1120
	"	High Speed B.P. Point	150	R469	100	1821-1921
16	Pen	Express machine C.B.H.	180	7130	300	1921-200
17	Pen	Exp. L.P. C.B.H.	180	7030	60	2001-2061
18	Pen	Proof book			1	201-202
19	Pen	Exp. mach. C.B.H.	180	7130	300	2061-216
21	Pen	H.S. L.P. C.B.H.	150	7330	150	2161-226
22	Pen	H.S. L.P. C.B.H.	150	7330	5	2361-2361
23	Pen	H.S. L.P. C.B.H.	150	7330	199	2361-2566
	"	Exp. mach. C.B.H.	180	7130	300	2561-266
	"	H.S. B.P.	150	R469	100	2661-2961
	"	H.S. S.P.	150	R464	40	2961-3001
24	Pen	Exp. L.P. C.B.H.	180	7130	60	3001-306
25	Pen	Proof book			1	3061-30

28	Pres	11/1	BP	150	R467	20	3112-5002
29	Pres	E	mark	120	7130	29.3	3093-335
30	Pres	H	AP	150	7330	300	3312368
31	Pres	H	AP	150	R464	250	30915370
32	Pres	H	BP	150	R469	250	3711-396
33	Pres	H	BP	150	R464	20	3951-400
34	Pres	E	mark	120	7130	20	4001-400
35	Pres	Proof	ford			11	4001-400
36	Pres	E	mark	120	7130	20	4001-400
37	Pres	E	mark	120	7130	20	4001-400
38	Pres	H	AP	150	7330	230	4001-400
39	Pres	H	AP	150	R464	200	4001-400
40	Pres	H	BP	150	R469	200	4001-400
41	Pres	E	mark	120	7130	20	4001-400
42	Pres	Proof	ford			5	5061-506

Accuracy

1130 Ep. must CCH 3250-240-3040-350-2690-80

1130 H.S. SP 1100-240-060-10-820

1130 312 H.S. 1330-240-1020-100-1520

1130 H.S. SP CCH 2440

39 Rem	Exp. Misch. Clkt	110	7130	295	5066-5364
"	HL SP Clkt	150	7330	300	5361-5660
"	HL R.P.	150	E469	200	5661-5860
"	HL SP	150	E464	80	5861-5940
40 Rem	Exp. SP Clkt	180	7030	60	5941-6000

5940

5066

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