

RESEARCH TEST MANUAL
STATUS REPORT

AS OF FEBRUARY 4, 1962

MEASUREMENTS (5000-5999)

STATIC MEASUREMENTS

	DRAFT	REVISIONS						TOTAL
		1	2	3	4	5		
5010 Headspace - Proof - Headspace								
5020 Firing Pin Indent								
5025 Trigger Pull								
5030 Weight and Length								
5035 Stock Dimensions								
5040 Center of Gravity								
5045 Safe On-off Forces								
5050 Bolt Open Forces								
5055 Mag. Spring Forces(Shotguns)								
5060 Bore and Choke								
5065 Chamber Measurements(Chamber Cast)								
5070 Firing Pin Protrusion								
5075 Firing Pin Marking								
5080 Sear Lift Measurement(Centerfire)								

ENDURANCE TEST (6000-6999)

DRY CYCLE

6010 Common Dry Cycle Simulators								
- Autoloading Shotgun								
- Autoloading Centerfire								
- Autoloading Rimfire								
- Pump Action: All								
- Break-Open Shotguns								
6015 M/XPI00 Headspace Advance								
6020 M/XPI00 Safe on-off								
6025 M/788 Safety								
6030 M/700 Extractor Impact								
6035 M/700 Dry Cycle(same as 788)								
6040 M/700 Safety- Computer Assisted								
6045 M/3200 Frame								
6050 M/3200 Slam Test								
6055 M/1100 Carrier Release Test								
6060 M/870 C.T. Rib Vibration Test								
6065 M/1100 Magazine Cap Test								
6070 M/401S Seismic Gun								

C.J. Sweet

ENDURANCE TEST-LUBRICATION PROCEDURES

M-XSG

LUBRICATION USED - HOPPE'S GUN OIL

ACTION BARS - One drop of oil on the left and right action bar. Rub it in the full length of both bars.

ACTION SPRING - One drop of oil at the front, mid-section and the rear of the action spring. Work the oil in by cycling the action three to four times.

BREECH BOLT - One drop of oil on the left and right side of the locking block. One drop of oil to the center of the firing pin spring.

SLIDE BLOCK - One drop of oil on each top side of the slide block. This allows the bolt to slide smoothly.

FIRE CONTROL - One drop of oil to the following:

- The hammer pivot pin; swing the hammer back and forth to work the oil in.
- The hammer spring; below the plunger.
- The hammer face where it contacts the sear; smear the oil with your finger.
- The trigger connecting pin
- The safety pin hole; work the safety on and off to work the oil in.

CARRIER DOG - One drop of oil to the top of the carrier dog where it contacts the bottom of the slide block.

DISCONNECTOR - One drop of oil on the top of the disconnector where it makes contact with the action bars.

FREQUENCY - Every 1000 rounds, or sooner if needed.

C.J.S.

ENDURANCE TEST-LUBRICATION PROCEDURES

M-1100

LUBRICATION USED - HOPPE'S GUN OIL

ACTION BARS - One drop of oil on the left and right action bar. Rub it in the full length of both bars.

ACTION SPRING - One drop of oil on the Magazine Follower. (The rear of the follower so that the oil drips down to the action spring.)

BREECH BOLT- One drop of oil to the left and right side of the locking block. One drop of oil to the center of the firing pin spring.

SLIDE BLOCK - One drop of oil on each top side of the slide block. This allows the bolt to move freely by eliminating some of the friction.

LINKS - One drop of oil to each link cut inside of the receiver. Work the links back and forth a few times to work the oil in.

FIRE CONTROL - One drop of oil to the following:

- The hammer pivot pin; swing the hammer back and forth to work the oil in.
- The hammer spring; below the plunger.
- The hammer face where it contacts the sear; smear the oil with your finger.
- The trigger connecting pin.
- The safety pin hole; work the safety on and off to work the oil in.

CARRIER DOG - One drop of oil to the top of the carrier dog where it contacts the bottom of the slide block.

DISCONNECTOR- One drop of oil on the top of the disconnector where it makes contact with the action bars.

FREQUENCY - Every 1000 rounds, or sooner if needed.

C.J.S.

TESTER: _____

REPORT NO. _____

DATE: _____

RESEARCH TEST & MEASUREMENT LAB ACCURACY TEST

SER. NO. 2	GROUP NO.	3-SHOT GROUP				4-SHOT GROUP				5-SHOT GROUP			
		MGS	H	V	AVG.	MGS	H	V	AVG.	MGS	H	V	AVG.
# _____	1												
	2												
	3												
# _____	1												
	2												
	3												
# _____	1												
	2												
	3												
# _____	1												
	2												
	3												
# _____	1												
	2												
	3												
# _____	1												
	2												
	3												

MGS - MEASURED GROUP SIZE

H- HORIZONTAL

V-VERTICAL

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER:

REPORT TITLE:

MODEL(S):

GAGE OR CALIBER:

DATE:

WORK ORDER NO.:

PART NAME:

DESIGNER/ENGINEER:

TEST TYPE:

1. PHOTO LAB
2. STRENGTH TEST- NO. OF GUNS TESTED _____
3. FUNCTION TEST- NO. OF GUNS TESTED _____
4. ACCURACY TEST- NO. OF GUNS TESTED _____
5. MEASUREMENTS- TYPE: _____
6. ENVIRONMENTAL TEST
7. AMMUNITION TESTING & EVALUATION- TYPE: _____
8. VISUAL EVALUATION- _____ OUT OF _____ GUN SAMPLE
9. ENDURANCE- NO. OF GUNS TESTED: _____

NO. OF ROUNDS PER GUN: _____

TOTAL ROUNDS FIRED IN TEST: _____

AMMO TYPE: MAGS. _____; TARGET: _____

RIMFIRE _____ CENTERFIRE: _____