

REMINGTON ARMS COMPANY, INC.
ENGINEERING DEPARTMENT **SUPPLEMENT** COMPLETION SHEET

M700 PM SEAR TEST
DROP TEST SEAR DATA
A.A.H.

SAMPLE NUMBER ONE				
SEAR NUMBER	TOTAL NUMBER OF DPT CYCLES	SEAR RADIUS AT CONNECTOR EDGE	SEAR COMPONENT WEIGHT & MEASURE	FIRE TRIG. PULL @ BEGINNING AND END OF TEST
153959	30,000	.0045	9.3685 GRAMS 38.5 RC SCALE	5.10 - 5.10
139298	30,000	.0035	9.4080 gr 52 RC SCALE	5.20 - 5.15
139413	30,000	.0050	9.4200 gr 51.5 RC SCALE	3.90 - 3.80
139555	30,000	.0068	9.3880 52 RC SCALE	4.90 - 4.55
139312	30,000	.0029	9.4140 gr 51 RC SCALE	NOT TESTED
139457	30,000	.0053	9.4310 gr 54.5 RC SCALE	4.60 - 4.75

SAMPLE		NUMBER		TWO	
139298	Blue	00	.0005	9.5332	5.55 - 4.95
				38.5 RC SCALE	
139413		00	.0011	9.5000	4.85 - 4.75
				45.0 RC SCALE	

SEAR RADIUS AT CONNECTOR
MEASURED ON
OPTICAL COMPARATOR

TEST HEIGHT WAS TAKEN AT 45 INCHES

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION ~~700~~ ^{POWDER METAL SEAR WITH REAR SIGHT}

CALIBER OF GAUGE .243

DATE 6-1-66 TEST M/TTC sear drop test TESTER J. Hennings

Cartridges - ¹139298, ²133959, ³139555, ⁴139457, ⁵139413 - were used
 with ~~powder metal~~ ^{powder metal} sears

TEST - I - Trigger pulls & firing pin indents - (separate sheets)

TEST - II - (top side down) #139457 on second drop rear sight broke

TEST - III - (bottom side down) #139457 on first & second drops bolt jarred open

TEST - IV - no malfunctions noticed

TEST - V - (top side down) #139457 on second drop rear sight came off
 (bottom side down) #139298 on second drop stock started to crack around trigger plate.

TEST - VI - (muzzle down) sears #1, 2, 3, had a total of 7 drops in which safety was jarred to "ON" position.
 (top side down) sears #1, 3, 4, 5 - had a total of 5 drops in which bolt was jarred open. (#139298 on third drop safety jarred to "ON" position.)
 (bottom side down) sears #1, 2, 3, 4 - had a total of 5 drops in which bolt jarred open. (#139555 on first drop stock broke just behind trigger guard)

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION 700 P.M. sear (LATEST P200 - SHARP RND)

CALIBER or GAUGE .243

DATE 6-1-66 TEST P.M. sear drop test TESTER PAGE NO.

J. Hennings

Barrels # 139298 & 139413 were used with new
P.M. sears.

TEST - I - Trigger pulls & firing pin indents (separate shots)

TEST - II - (butt down) - * 139298 - on first drop rear sight
broke off

TEST III - (muzzle down) - * 139298 - on second drop bolt
jarred open.

TEST - IV - No malfunctions noticed.

TEST - V - no malfunctions noticed.

TEST - VI - (butt down) both guns - a total of 4 drops in
which safety was jarred open.
* 139298 on third drop bolt jarred open

NOTE! ON BOTH ACTIONS PIN HOLE WAS TIGHT
CAUSING SEAR TO BIND-