

TEST NO. 2 (FUNCTIONAL TESTING)
POWER CONE VS. DIAL-A-MATIC ON SPORTSMAN-58 GUNS

- A. Performance of current Sportsman-58 (with Dial-a-matic, carrier latch and magazine flipper) on Winchester magnum loads with 30" full choke barrel and Winchester trap loads with 26" barrel.
- B. Same gun and ammunition as above but with Power Cone substituted for Dial-a-matic cap.
- C. Same gun and ammunition as B with Power Cone and with magazine flipper removed.

Results:

First two guns, selected from regular production, would not perform satisfactorily, particularly on Winchester magnum loads.

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Gun No. 2302 was then selected for test. This gun was an original Sales Representative model with a record of zero malfunctions in 325 rounds. Test results on this gun were as follows:

	<u>Dial-a-matic</u>	<u>Power Cone</u>	<u>Power Cone</u>
	<u>Carrier Latch</u>	<u>Carrier Latch</u>	<u>Carrier Latch</u>
	<u>Magazine Flipper</u>	<u>Magazine Flipper</u>	<u>--</u>
	<u>(Feb. '56)</u>	<u>(Feb. '56)</u>	<u>(Feb. '56)</u>
<u>Malfunctions</u>			
100 ROUNDS WINCHESTER MAGNUM LOADS EACH GUN, 30" FULL CHOKE BARREL			
Gun's feed from mag. (1st shell)	4	2	5
Gun's feed from mag. (2nd shell)		1	1
Gun's blow back		3	
Don't lock open		2	4
Dropped shell from magazine		2	
Failed to lock up manually		1	
Stuck carrier			1
<u>Totals</u>	<u>4</u>	<u>11</u>	<u>11</u>
% Malfunction Rate	4%	11%	11%

100 ROUNDS WINCHESTER 2-3/4 TRAP LOADS EACH GUN, 26" IMPROVED CYLINDER BARREL

Don't blow back	9		
Failed to lock open	2		
Failed to trip carrier latch	2		
Failed to fire (disconnecting rubbing receiver)		4	
Dropped shell from magazine		3	
<u>Totals</u>	<u>13</u>	<u>7</u>	<u>0</u>
% Malfunction Rate	13%	7%	Zero