BARBER - PRESALE R 0107782

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	MODEL 979	Problems Encountered by Mapco
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- 0	Contact pin not centra	I with contact button of primer in six guns.
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	Field remedy:	To machine a block to limit the upward travel of the operating lever.
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	Remington remedy:	To hold operating arm pin hole and operating arm surface to a closer tolerance and from firing pin hole.
$\Theta$	Ejection problem with	all 12 guns. Shell was extracted but not
	thrown clear.	Janet
	Field remedy:	To remove metal from breech block to allow
		clearance.
	Remington remedy:	To remove extra metal from slot in bolt and to allow bolt to drop further. Also to reduce the severity of heat treat so that warpage is held to a minimum.
3		the v Ents caused by too high capacitance in hand
	held blaster.	
	held blaster. Remedy:	Specify maximum allowable capacitance
		Specify maximum allowable capacitance for longer pin life.
(j)	Remedy: Weak pin springs, pin	
Ð	Remedy: Weak pin springs, pin After sealing with a s Were found to have wea	for longer pin life. "wobble" and other contact pin problems. silicone rubber compound <u>several blocks</u> ak firing pin springs and excessive pin The rubber compound was removed and spring action was improved although wobble remained a problem. The insulating cups were remove and examined out of the gun. The contact of pins were found to have a radius at the base
<u>(</u> ;)	Remedy: Weak pin springs, pin After sealing with a s were found to have wea "wobble".	for longer pin life. "wobble" and other contact pin problems. silicone rubber compound several blocks of the ak firing pin springs and excessive pin of the The rubber compound was removed and spring action was improved although wobble remained a problem. The insulating cups were remove and examined out of the gun. The contact of pins were found to have a radius at the base the pins that interfered with the opening of

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## **BARBER - PRESALE R 0107783**

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## Model 979 - Problems Encountered by Mapco

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Field remedy ofTo ream the insulating cup to allow thePin Wobble:contact pin to seat properly. This alsoseemed to eliminate the weak spring problem.

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Remington remedy: To alter the breech block to accept a back cover plate. This will remove the necessity to fill the back of the breech block with rubber compounds. The firing pin hole will be enlarged to allow greater clearance between contact pin and breech block. Also the centact pin hole and insulating cup/will be drilled from the same side for better concentricity control. The contact pin radius in question was found on one sample of the lot in the breech blocks to be not of the specified dimensions on the model drawing. It is proposed that the radius be held to closer tolerances by the model makers.

UR PLAN TI propose that we replace the 12 breech blocks in service at the present time with 12 new breech blocks containing these proposed changes after they have been fully tested and accepted.

J.R.Palmer:T Ilion Research Division January 22, 1980

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