(742) Improvements vs. Current 740	Benefits and Improvements
12. Eliminate Gas Nozzle Damage.	Reduces damage to nozzle in assembly and disassembly causing restriction of gas leading to underpowered gun.
a. Redimension nose of gas nozzle.	
13. Reduced Rear Sight Leaf Breakages.	Improve upon current experience in premature breakage of rear sight leaf.
a. Redesigned leaf, collar and screw for added strength.	
14. Reduced Firing Pin Retractor Spring Breakage.	Current M/740 springs are very short lived, some breaking at less than 300 rounds. New spring should improve this failure.
a. New design spring.	
b. Firing pin modification.	
15. Improved Safety Design	This modification makes it easier to operate our current safety button. Should eliminate some of the criticism of our current design.
a. Redesign safety.	
b. Redesign safety detent spring.	
16. Improve Hold Down of Rear Sight Base.	Current design loosens after some 200 to 300 rounds of shooting. Addition of nylon washers have eliminated the loosening condition.
a. Addition of Nylon 66 type or nylon washer under hold down screws.	
17. Firing Pin Interference in Rear of Receiver.	Resulting in failures to eject live rounds, probable cause for erratic ejection. This improvement reduces the above malfunctions.
a. Added tapered shoulder in receiver to clear firing pin.	
18. Improved Magazine Box.	Testing has indicated current magazine box life expectancy is some 800 rounds before causing excessive gun malfunctions. The proposed improvements indicate additional life can be expected from our current design boxes.
a. Redimension box lips.	
b. Improved gaging techniques at assembly to control critical dimensions.	