

SHOTGUNS - contd.MODEL 1100 AUTOLOADING SHOTGUN - IMPROVEMENTS - contd.

Recent reports from Marketing indicated a problem in 3" magnum gun life. R & D tested four warehouse guns and found Bolt velocity over 400 in./sec. which is excessive. Two guns were endurance tested and parts breakage and malfunction rate was excessive. This condition was attributed to changes in ammunition and improvements in the gun over the years. A DCR has been issued for changing the gas orifice hole from .073" to .060" to correct this condition. As a result of this previously undetected change, a sampling procedure for standard guns is being established to measure critical operating parameters.

The Barrel marking may be moved further down the Barrel in the same radial position to increase Barrel strength. Photo-etching, to replace roll marking, has been considered but does not appear to offer significant advantages. Testing of Barrels with re-located roll marking is in progress. If this significantly improves high chamber pressure burst strength, the marking change should be made promptly.

MODEL 1100X AUTOLOADING SHOTGUN
(Introduction not established)

R & D reported that design changes in the Model 1100X shotgun shown necessary in testing the two prototype guns are being completed. Fabrication of 5 additional prototype guns will start in April with testing scheduled to be completed in September, 1974. Fabrication of these prototypes is third priority following Model 742X rifles and Model 3200 single Barrel trap guns.

SHOTGUNS - COMPETITIVE

A new Browning gas operated shotgun was to be available in the U. S. January 1, 1974 but is not yet on the market.