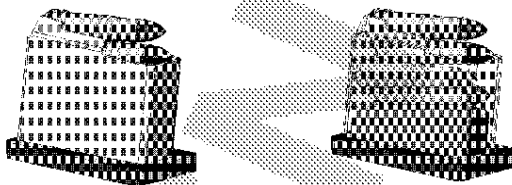


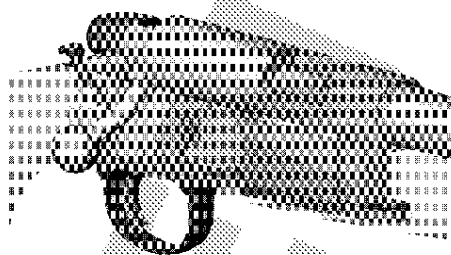
M504 CENTER FIRE MAGAZINE BOX



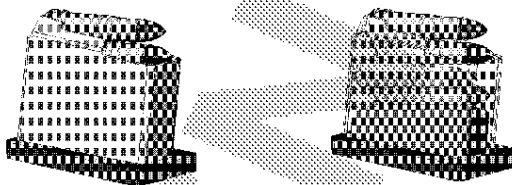
4-Round detachable magazine box

MODEL 504 CENTERFIRE

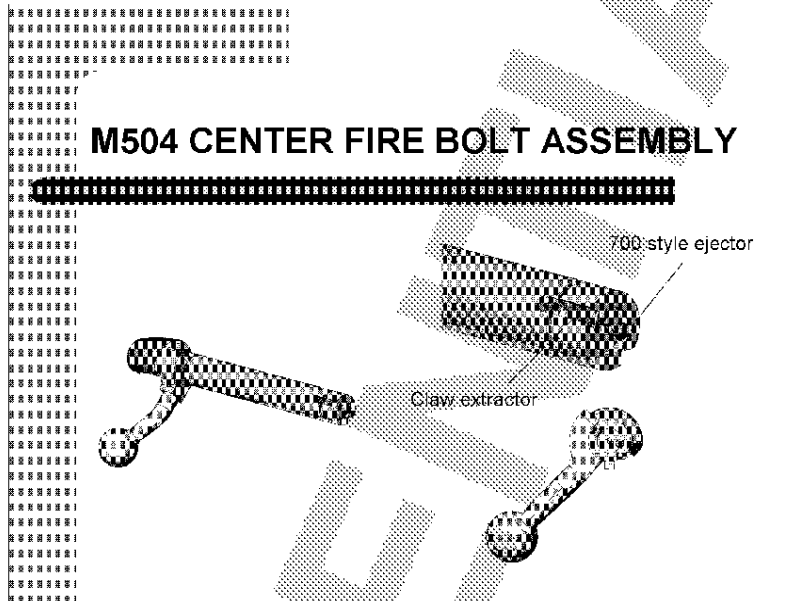
Utilizes common Model 504 rimfire components
with the same overall receiver length



M504 CENTER FIRE MAGAZINE BOX



4-Round detachable magazine box



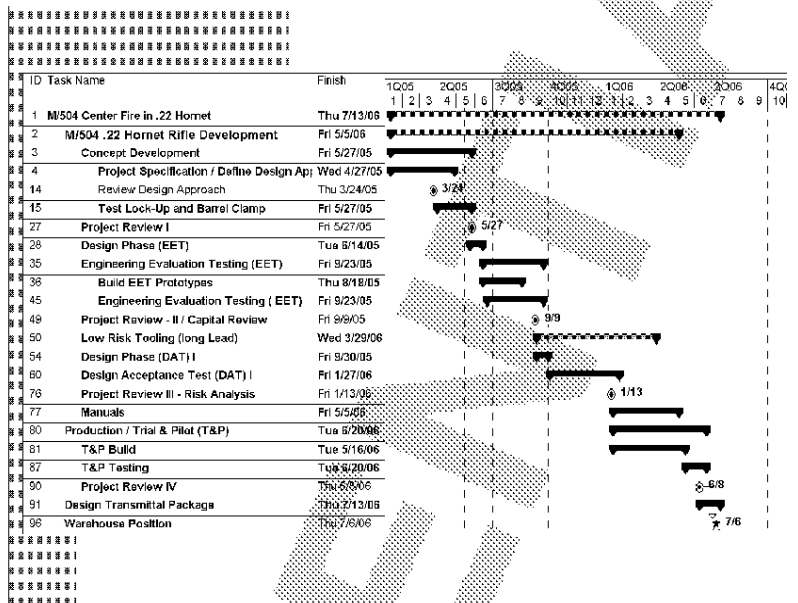
**M504 CENTER FIRE
FIRING PIN ASSEMBLY**

New firing pin & main spring utilizing
the same M504 rimfire design



M/504 CENTER FIRE .22 HORNET

- Component Design Changes Include:
 - Magazine:
 - Magazine Box, Follower, Spring, Box Bottom
 - Bolt:
 - Bolt Body, Main Spring, Firing Pin, Extractor, Ejector
 - Stock and Receiver:
 - Enlarge Magazine Well
- Design Concerns:
 - Center Fire Chamber Pressure
 - 17HMR Pressure
 - 26K PSI
 - 22 Hornet Pressure
 - 43K PSI
 - Verification of Lock-Up and Barrel Clamping System
 - Test Complete by 5/25/05



Current Status

- Initial 100 rd proof test complete
 - Head space did not move during test.
 - The Firing Pin was piercing 90% of primers.
 - Firing Pin design was changed to incorporate a smaller, round firing pin tip.
 - A second 100 rd proof test will be conducted with the new firing pin.
- Drawing package complete on June 9th.
 - sent to Mayfield for review.