

Project Name: 504 22 Hornet**Revised: 6/10/05****Project Number: 241451****R&D Engineer(s): Will B James, Vincent Norton****Marketing Manager: John Trull****Plant Contact: K. D. Lance****Status:**

- M/504 - 22 Hornet will require design changes to the current 504 platform in the following areas: bolt head, firing pin, ejector, magazine, follower, spring, magazine housing, box bottom and extractor. There will be 12 new components.
- Capital will be required for the firing pin stamping, magazine box, box bottom, and follower. The design will incorporate the 710 extractor.
- Mayfield will order barrel reamers, buttons, and chamber reamers for early barrel work.
- A 100 rd proof test was completed with one prototype gun. Head space did not move during test. The firing pin was redesign due to "die-stamping" 90% of the primers of the proof rds during testing. The second 100 rd proof test will be conducted with the new firing pin.
- The Bolt head, Bolt Body, and Firing Pin were redesigned making the firing pin round and smaller. All these new components were ordered.
- A drawing package was completed and sent to Mayfield on 6/9/05 for review of capital requirements.

Issues:

- 1) NPP for this project?

Action Items:

Action Item	Status	Responsible	Date
1. Finished 504-22 Hornet barrels	Complete	Custom Shop	4/25/05
2. Test Receiver clamping & bolt locking system (1)	Complete	R&D	5/25/05
3. Redesign Firing Pin	Complete	R&D	6/3/05
4. Complete Drawing package	Complete	R&D	6/09/05
5. Order new bolt and components	Complete	R&D	6/3/05
6. Modify prototype barrels for extractor cuts	In Process	R&D	7/10/05
7. Test Receiver clamping & bolt locking system (2)	Waiting on Bolt	R&D	7/25/05

Schedule / Key Milestones:

Milestone	Current Date
EET	9/09/05
DAT 1	1/13/06
T&P	6/06/06
Warehouse Position	7/06/06