

Remington Arms Technical Center

**Project Name: 504 22 Hornet****Revised: 4/11/05****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.
- Lion Custom Shop will provide two (2) 504 - 22 Hornet barrels without extractor cuts for the receiver clamp and lockup test. Will prototype the bolt head for test within the time frame of making barrels.
- Working through some design concerns with new magazine design. The design will consist of a staggered round magazine with capacity of 4 to 5 rds.
- Currently working through the bolt face design. Considering the size of the bolt face a new claw type extractor and plunger will be designed.
- There is not enough room for the standard 504 blade type ejector. The ejector maybe incorporated into the top of the magazine box or within the face of bolt.

**Issues:**

- 1) Will current barrel receiver clamping and bolt locking system hold for the additional pressures with the 22 Hornet?
- 2) NPP for this project?

**Action Items:**

Action Item	Status	Responsible	Date
1. Finished 504-22 Hornet barrels	In Process	Custom Shop	4/25/05
2. Design center fire 504 bolt head for Test	Complete	R&D	4/1/05
3. Order bolt components	Complete	R&D	4/12/05
4. Order proof rds for receiver clamp test	In process	R&D	4/15/05
5. Test Receiver clamping & bolt locking system		R&D	5/15/05
6. Design Final Bolt head / extractor	In Process	R&D	5/15/05
7. Complete design of magazine	In Process	R&D	5/25/05

**Schedule / Key Milestones:**

Milestone	Current Date
EET	7/22/05
DAT 1	9/23/05
DAT 2	11/18/05
T&P	4/15/06 ?
Warehouse Position	TBD

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Page 1 of 1

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