

Project Name: 710 Short Action**Revised: 4/14/05****Project Number: 241429****R&D Engineer(s): Vincent Norton, Will B James****Marketing Manager: John Trull****Plant Contact: K. D. Lance****Status:**

- Currently we have 3 different designs: 1) incorporate the SPL firecontrol in a one piece Receiver, 2) short receiver insert to accept SPL fire control, 3) Current short receiver insert with current M710 fire control.
- Adding the SPL Fire Control adds additional components such as SPL adaptor, new receiver insert, magazine housing, magazine follower, magazine follow spacer, magazine box bottom, and stock modification around safety arm.
- SLS prototypes of the magazine, follower, and box bottom have been received.
- The one piece receivers were built and 200 rds placed on 3 prototypes. Magazine box was modified and retested with no problems.
- SLS of the SPL fire control short receiver inserts was received. Will need to modify the current stiffing arm of the 710 firecontrol to adapt to the SPL firecontrol.
- R&D will have detailed drawing for the SPL short receiver insert by March 16. Tooling cost for the insert \$52K. One quote for magazine box was received at \$82K.

Issues:

- 1) Need to make decision on path forward. By using the SPL short receiver insert design Mayfield will not require any in-house fixturing changes. If the SPL short receiver insert is used a new Receiver Insert tool will be required prior to DAT build.
- 2) Assuming Ilion can supply all of 710 fire Controls (60K per year) what is the ramp up schedule for 710 long and short actions.

Action Items:

Action Item	Status	Responsible	Date
1. Build 6 Test barrels ((3) .243 & (3) .308)	complete	Mayfield	2/18/05
2. Machined One Piece Receivers (2)	Complete	R&D	2/16/05
3. Build guns for EET (one piece receivers)	Complete	R&D/Mayfield	2/22/05
4. Order barrel components (reamers, 22-250, etc)	In process	Mayfield	5/20/05
5. Cost of implementing one piece receiver SPL	In Process	Mayfield	4/15/05
6. Cost of "SPL" Short Receiver Insert tool		Mayfield	4/15/05
7. EET Test	Complete	R&D	4/1/05
8. Ramp-up timeline for new SPL	In process	Ilion	4/30/05
9. Capital Request for magazine & SPL Insert		Mayfield	TBD

Schedule / Key Milestones:

Milestone	Current Date
First Prototype	1/20/05
EET	3/20/05
DAT 1	TBD
DAT 2	TBD
T&P	TBD
Warehouse Position	TBD