

REMINGTON ARMS COMPANY, INC.

Product Team Meeting MINUTES—Ilion

Wednesday April 16, 2008-Ilion, NY 7:30 am

Future Meetings

May 21, 2008 Ilion
June 18, 2008 Ilion
August 6, 2008 Ilion
September 17, 2008 Ilion
November 12, 2008 Ilion
December 10, 2008 Ilion

Upcoming Events

2008 NRA Show May 16-18, 2008 Louisville, KY
2008 Grand American Aug 6-16, 2008 Sparta, IL
2009 New Products Seminar October 12th-14th
2009 Worldwide Sales Meeting November 10th-14th

Business Review (Trull)

Ilion Topics

X-Mark Pro Trigger (Ronkainen/Doolittle/Becker)

- NPP 2008-83
- Review Capital/Ops Requirements and Timeline for Implementation
- Build test drill press 8.21
- T&P 9.18 500 Pieces
- Test 10.9
- Production 10.30
- Samples for 2009 new product-Need 100 trigger assemblies
- All 2009 New Product to be fitted with XMP Adj
- Develop wrench for trigger adjustment
- OM-Supplemental insert regarding adjustment
- Schedule for XMP phase in and requirements-Fink

Model 700 VTR/HTR (Perniciaro/Sampson)

- Current Orders Update-Fink
- Barrel Sample Discussion
- Barrel Capacity for 2009
- Laser Marking Capacity
- Heavier than mag contour

- 2.88 v 3 lb
- Get samples build by 4.25
- Laser being quoted-\$140-\$150-budgeted
- Shoemaker to review barrel capacity

New Auto loading Rifle (Diaz/Stone/Wilks)

- Discuss project status and timeline
- Discuss any Manufacturing issues/concerns
- Status of Wood Quotes
- Marketing to Develop Model Number/Name
- Remove ejc port angle and increase material for added strength
- Triggers 4.15-5.5 lb pull
- Steel inserts added to the barrel extension to control action bars
- Ordered 20 pairs to add to other guns to prove out
- To complete DAT, have to prove out rcvr fix
- Cosmetic sample in Ilion
- Sample to Madison
- JF-Develop checkering patterns

105 status/update (Keeney)

- Discuss project status and timeline for production
- Review latest field test results with improvements
- Discuss distinguishing "New" guns from older versions
- Discuss Synthetic stock options
 - Latest field testing concluded with
 - Long-Nose (Nickel Tef coated) action sleeve
 - Nickel-Tef Action bars
 - New Ring seal design
 - 105 lubricating oil
 - "screened" barrel assy/with 0.110" gas ports
 - High-Pivot extractor design (0.200" thicker bolt head)
 - Altered carrier (moved forward by 0.200")
- 18 guns tested with 9 bbls—with no Tky mags—OMR 1.76%
- With the "Barrel screening" process 3 gas cylinder diameters are being evaluated
- Path forward---
 - Team to assess gas cylinder machining for dimensional consistency
 - Possibly eliminate "Excello" operation
 - Machine to final dimensions—then braise to bbl
 - New tools and release for build needed—8-10 weeks out
 - Need 3 new tools (for extractor, bolt stop toggle, and bolt stop)
 - Need to get vendors back online (specifically the carbon fiber rib vendor—5 weeks out for 50/day production ramp up)

- Will need to include some sort of "Flyer" with "NEW" design guns to let consumers know parts are NOT interchangeable
- Need New name/designation for NEW guns—Marketing
- Decision made to keep current two SKU's in line for 2008-09 and perfect these before proceeding with line extensions

Model 887 New Pump Action Shotgun (LeMay/Diaz/Wilkes/Fitzsimmons)

- Discuss project status and timeline
- Review costing—Changes
- ATF approval on markings
- Review Sample gun sent in by E-Town
- 14 prototype (receiver) "cages" overmolded on April 1st—only 6 useable
 - Oneida working on refining process to keep this from happening
- Some issues with current design shell latches "bending" under the strain of a 3.5" shell with shells in magazine tube
 - Testing possibilities of a "Re-enforced" latch with stiffening ribs, or a 0.050" thick design
- Some of the ejector material is being displaced with current design
 - Will move ejector $\frac{3}{4}$ " rearward and add "solid pin" to assy
- Excessive play/take-up on trigger—hammer release
 - Reducing clearance between hammer/sear pivot holes & pins
 - Move connector pivot hole forward by (0.010")
- Working on Hi-Viz 2-piece sight system
 - Extras to be included in "Remington" logo'd Zip Loc
- DAT #1---10 guns initially will begin 4-16-08 in E-town
- DAT #2---15 guns (NOTE: these guns will be true to Manufacturing production) to begin 5-06-08 in E-Town
 - DAT on these guns—with all improvements to the design scheduled to be completed by 6-01-08
- T & P to begin in July—Warehouse date in September
- Parts need to be sent to Camo vendors for set up
 - Need to check clearances on Camo guns for wear issues
- Fore-end cooling fixtures need to be revised to address clearance issues with receiver
- MARKETING to receiver "SHOOTING" sample ASAP

(MPAS) New Auto loading Shotgun (Haskin/Olsen)

- Discuss project status and timeline
- Discuss any Manufacturing issues/concerns
- SAMMI—CIP approval on Chamber length
- Working on obtaining SAMMI/CIP approval on current chamber length in bbls
- 10 DAT guns with 20 bbl assy will ship to E-Town for testing 4-18-08
- Receiver coating issues—Anodizing??

"SuperCell" Recoil Pad (Perniciaro/Wilks)

- Discuss options for wood stock pads
- S & K no better than 0.015 to 0.020" proud of wood on stock
- Must have a "Spacer" to address this issue
- Will use Sims pads until the new Stepped Spacer design is in place with samples to be reviewed ASAP by Marketing

Model 770 2008 Schedule(Lance/Fink)

- New Wal*Mart Forecast
 - 14,365 Stainless Guns with 4,200 Fcst for June
 - Increase of 4,400 Blue Guns
 - Need planning/forecasting meeting immediately
 - Review with Sales W*M commitment-JT/JF

Model 770 Improved Camming Action (Lance/Vicars)

- Progress to date
- Tool modification 4.16
- 200 pieces FAS 4.30
- Bolt body in house 100 pieced
- 5.9 assemble and eval
- 5.9 etown to test
- 5.30 move to production
- Month of June to deplete inventories of current bolt
- Send an extra gun to Etown for Marketing eval week of 5.14
- Diaz-Reduce bolt camming force
- Trade off spring force for mass
- Trying three different masses and spring forces
- Remove bolt chatter by creating "control lug"
- Proto-6.6
- FP 4.14
- FP body/spr-4.14
- Rec-design complete 4.1
- Proto rec-6.1
- Rec insert 6.1
- Bolt head 6.1

Mag Latch

- Cost of repair has not exceeded cost of MIM tool

Rings in Chamber

- JF to contact Arms Service regarding rough chamber guns to Mayfield

Model 770 22.250 Remington Offerings (Lance/Vicars)

- Design Changes to Introduce and Costs Involved
- Button received 3.31
- 21 barrels comp 4.7 with 1.1" avg
- Marketing to review guns in etown

798 second recoil lug-tested and approved with guns in warehouse
798 Walnut and Synthetic stocks both approved and passed testing moving into production

Model 770 Fire Control (Lance/Vicars)
Complete 10.30.08

597 New Synthetic Stock (Lance/Franz/Fink/Trull)

- Complete E'town Modeling
- CAR Needed
- Cosmetic Sample Status
- Etown has rough cad model
- Prototype to be delivered to marketing
- Need to finalize design approval, get tool quoted, and CAR
- \$280 budgeted in 2008
- J. DeSantis to work with JT and JMD to review process