

Jim Ronkainen

From: Ronkainen, Jim  
Sent: 06/22/2005 08:13:32 AM  
To: Trull, John  
CC: Diaz, Danny  
BCC:  
Subject: RE: Sundra

John,

Mission accomplished. Our goal was to give you something that you could pare down to what you needed. Unfortunately, the marketable aspects of the design and the engineering objectives don't align 100%. You're in a much better position to provide/create that information than we are.

I'll work on the labeled figures you requested today - with any luck they'll be done by the end of the day. I've got the ability to alter the parts' transparencies so that you can see the internal components without completely "turning off" the external parts. I'll forward the requested slide to you when it is done.

Jim Ronkainen

Staff Engineer

Remington Arms Co. Inc.

R&D Technical Center

315 W. Ring Road

Elizabethtown, KY 42701

(270) 769-7613 (phone)

(270) 737-9576 (fax)

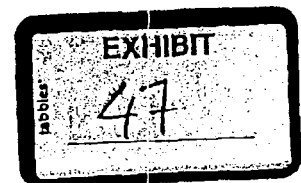
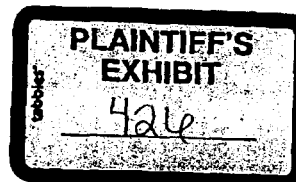
jim.ronkainen@remington.com

visit us at [www.remington.com](http://www.remington.com)

From: Trull, John  
Sent: Tuesday, June 21, 2005 8:58 PM  
To: Ronkainen, Jim  
Cc: Diaz, Danny  
Subject: RE: Sundra

Jim,

Subject to Protective Order - Williams v. Remington



E7E0000597C

I think that we can scale this down significantly. I really don't think we need to focus on our design objectives. That was more of our internal focus. The new fire control has many marketable advantages over the current fire control that were not necessarily part of our major must have objectives, i.e., better surface finishes, better corrosion control, more robust design that allows for a lower trigger pull weight from the factory, etc. I think that I can basically take the slides where you actually show the fire control and outline how it works, I can build up a slide or two with the consumer benefits. I will run it back by you for an accuracy check and then on to Dale and Anne for their review and comments before sending it out for review outside of the business. One thing that would be nice to have would be a slide that is basically a left hand and right hand view that is essentially a parts diagram that labels each component (i.e., trigger, sear safety cam, safety arm, trigger return spring, trigger return spring adjustment screw, etc.). Most of the items are common sense, but I have learned never to take anything for granted with respect to writers and especially our sales force.

Thanks,

JT

---

From: Ronkainen, Jim  
Sent: Tue 6/21/2005 4:09 PM  
To: Trull, John  
Cc: Diaz, Danny  
Subject: RE: Sandra

John,

The attached PowerPoint presentation is my first pass at the information you requested for Linda and Eddie for their visit with Jon Sundra. Please call me after you've had a chance to review this to discuss the content and see if it is in line with your needs.

Jim Ronkainen

Staff Engineer

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---

From: Diaz, Danny  
Sent: Tuesday, June 21, 2005 3:20 PM

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ETE00005971

To: Trull, John; Ronkainen, Jim  
Subject: RE: Sundra

John:

Jim will put together a presentation, send it to you copying me and then we can walk through it together. The presentation Jim sends you will probably be more technical in nature than you really want, but I would rather work at cutting it back than leave something out you might have really found important.

Talk to you tomorrow.

DDD

---

From: Trull, John  
Sent: Monday, June 20, 2005 5:24 PM  
To: Diaz, Danny; Ronkainen, Jim  
Subject: FW: Sundra  
Importance: High

Danny & Jim,

Any help you guys could give me on a PR/Writer Friendly presentation on the SPL would be appreciated. Jon Sundra is the "scoop" writer that will break the story.

Thanks,

John C. Trull

Marketing Manager - Firearms Division

Remington Arms Company, Inc.

P.O. Box 700

870 Remington Drive

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john.trull@remington.com

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ETE00005972

---

From: Powell, Linda  
Sent: Monday, June 20, 2005 3:16 PM  
To: Trull, John  
Subject: Sundra  
Importance: High

John,

Eddie and I will be visiting Jon this Friday, June 24th. We will need information, drawings, etc. on the new trigger and sign out one of the varmint rifles with the new trigger for Jon to evaluate.

Thanks,

Linda

Linda B. Powell, Senior Manager - PR

Remington Arms Company, Inc.

870 Remington Drive

PO Box 700

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(336) 548-8546

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Jim Ronkainen

From: Ronkainen, Jim  
Sent: 06/22/2005 03:04:35 PM  
To: Trull, John  
CC: Diaz, Danny  
BCC:  
Subject: RE: Sundra

John,

The attached PowerPoint file has the labeled figures you requested. If this isn't what you're looking for, give me a call to discuss.

Jim Ronkainen

Staff Engineer

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From: Trull, John  
Sent: Tuesday, June 21, 2005 6:58 PM  
To: Ronkainen, Jim  
Cc: Diaz, Danny  
Subject: RE: Sundra

Jim,

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ETE00005974

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JT

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To: Trull, John  
Cc: Diaz, Danny  
Subject: RE: Sundra

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---

From: Diaz, Danny  
Sent: Tuesday, June 21, 2005 3:20 PM  
To: Trull, John; Ronkainen, Jim  
Subject: RE: Sundra

John:

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ETE00005975

Jim will put together a presentation, send it to you copying me and then we can walk through it together. The presentation Jim sends you will probably be more technical in nature than you really want, but I would rather work at cutting it back than leave something out you might have really found important.

Talk to you tomorrow.

DDD

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From: Trull, John  
Sent: Monday, June 20, 2005 5:24 PM  
To: Diaz, Danny; Ronkainen, Jim  
Subject: FW: Sundra  
Importance: High

Danny & Jim,

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Thanks,

John C. Trull

Marketing Manager - Firearms Division

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Madison, NC 27025-0700

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(336) 209-4064 - Mobile

(336) 548-7737 - Fax

john.trull@remington.com

---

From: Powell, Linda  
Sent: Monday, June 20, 2005 3:16 PM

Subject to Protective Order - Williams v. Remington

ETE00005976

To: Trull, John  
Subject: Sundra  
Importance: High

John,

Eddie and I will be visiting Jon this Friday, June 24th. We will need information, drawings, etc. on the new trigger and sign out one of the varmint rifles with the new trigger for Jon to evaluate.

Thanks,

Linda

Linda B. Powell, Senior Manager - PR

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ETE00005977



1.  $\sqrt{a}$

2.  $\sqrt{b}$

CONFIDENTIAL

1

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ETE00005978

Jim Ronkainen

From: Ronkainen, Jim  
Sent: 06/21/2005 10:13:18 AM  
To: Doolittle, James F.  
CC:  
BCC:  
Subject: LH Side Plates

Jim,

Would it be possible to get 5 more LH Side Plates for the 40X replacement SPL program? We (I) had some yield loss through machining (I'm firing the machinist next time it happens). Please let me know if and when I could have the parts in-hand.

Thanks!

Jim Ronkainen

Staff Engineer

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ETE00005975

Jim Ronkainen

From: Trull, John  
Sent: 06/21/2005 08:58:25 PM  
To: Ronkainen, Jim  
CC: Diaz, Danny  
BCC:  
Subject: RE: Sundra

Jim,

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JT

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Sent: Tue 6/21/2005 4:09 PM  
To: Trull, John  
Cc: Diaz, Danny  
Subject: RE: Sundra

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Jim Ronkainen

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---

From: Diaz, Danny  
Sent: Tuesday, June 21, 2005 3:20 PM  
To: Trull, John; Ronkainen, Jim  
Subject: RE: Sundra

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DDD

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Sent: Monday, June 20, 2005 5:24 PM  
To: Diaz, Danny; Ronkainen, Jim  
Subject: FW: Sundra  
Importance: High

Danny & Jim,

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Thanks,

John C. Trull

Marketing Manager - Firearms Division

Remington Arms Company, Inc.

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ETE00005981

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john.trull@remington.com

---

From: Powell, Linda  
Sent: Monday, June 20, 2005 3:16 PM  
To: Trull, John  
Subject: Sundra  
Importance: High

John,

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Thanks,

Linda

Linda B. Powell, Senior Manager - PR  
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PO Box 700  
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(336) 548-8546  
www.remington.com

Subject to Protective Order - Williams v. Remington

ETE00005982

Jim Ronkainen

---

From: Ronkainen, Jim  
Sent: 06/21/2005 08:10:26 AM  
To: Trull, John  
CC: Diaz, Danny  
BCC:  
Subject: RE: Sundra

John,

Please call us today to discuss this. I'm in all day.

Jim Ronkainen

Staff Engineer

Remington Arms Co. Inc.

R&D Technical Center

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Elizabethtown, KY 42701

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Importance: High

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John C. Trull

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Subject: Sundra  
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Madison, NC 27025-0700

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ETE00005984

Jim Ronkainen

---

From: Ronkainen, Jim  
Sent: 06/21/2005 04:09:59 PM  
To: Trull, John  
CC: Diaz, Danny  
BCC:  
Subject: RE: Sundra

John,

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To: Trull, John; Ronkainen, Jim  
Subject: RE: Sundra

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Talk to you tomorrow

Subject to Protective Order - Williams v. Remington

ETE00005985



DDD

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Sent: Monday, June 20, 2005 5:24 PM  
To: Diaz, Danny; Ronkainen, Jim  
Subject: FW: Sundra  
Importance: High

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john.trull@remington.com

---

From: Powell, Linda  
Sent: Monday, June 20, 2005 3:15 PM  
To: Trull, John  
Subject: Sundra  
Importance: High

John,

Eddie and I will be visiting Jon this Friday, June 24th. We will need information, drawings, etc.

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ETE00005986

on the new trigger and sign out one of the varmint rifles with the new trigger for Jon to evaluate.

Thanks,

Linda

Linda B. Powell, Senior Manager - PR

Remington Arms Company, Inc.

870 Remington Drive

PO Box 700

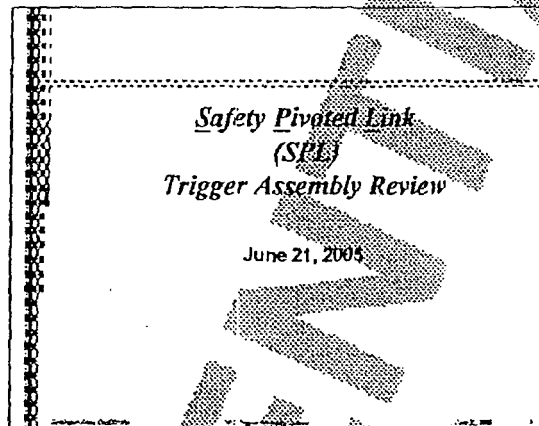
Madison, NC 27025-0700

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ETE00005987



6/2/2006

1

### *Agenda*

- ☐ Project Design Objectives
- ☐ Safety Pivoted Link Design Highlights
- ☐ How the Trigger Assembly Works
- ☐ Specification Comparison
- ☐ Design Acceptance Testing Key Activities

6/2/2006

2

### *Project Design Objectives*

#### ☐ Design Requirements (Must Have)

- ✓ Positive return of trigger to at least 75% of full engagement when safety is in SAFE position
- ✓ Safety must not return to SAFE position if return to 75% of full engagement is not possible
- ✓ Block trigger when safety is in SAFE position
- ✓ Fit into a M700 and M7 action

6/2/2006

3

*Project Design Objectives (cont'd)*

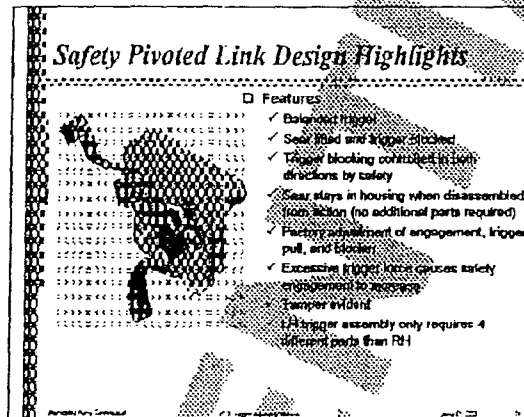
☐ Optional Features (Nice to Have)

- ✓ Block both trigger and sear in SAFE position
- ✓ Corrosion resistant construction
- ✓ No or minimal lubrication required
- ✓ Tamper resistant
- ✓ Same or fewer parts than the current trigger assembly
- ✓ Improved performance characteristics
- ✓ Design portable to the M710

Remington-Union Valve Co.      M710 Trigger Assembly      June 10, 2006      6

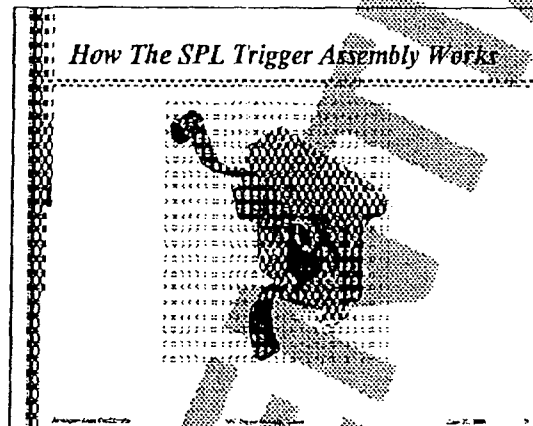
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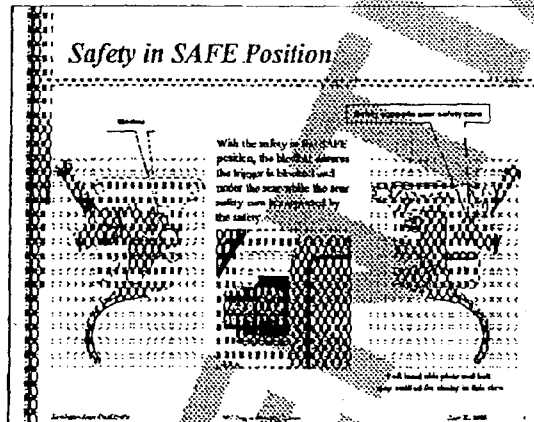
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6/2/2006

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6/2/2006

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6/2/2006

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9

Trigger Assembly Design Comparison		
Attribute	Current	SPL
Trigger return?	No	Yes
Connector?	Yes	No
Engagement adjustment?	Yes	Yes
Trigger pull force adjustment?	Yes	Yes
Overtravel adjustment?	Yes	No
Safety delay system?	Adapted from Remington	Tension Spring
Integral trigger housing spacers?	No	Yes
Does safety cam retained in housing?	No	Yes
Corrosion resistant?	Some models	All models

6/2/2006

10

### Key DAT Activities

- Component / Assembly Build and Inspection
  - ✓ Extensive Component Dimensional Inspection - 200 Dimensions Checked
  - ✓ LAPSAC Sample size - 80 Upper assemblies
  - ✓ Repetitive Tracking of Taper Pin, Engagement and Backlash Assembly
- Full breadth of M700 and Seven previous lines
  - ✓ 57 guns # 24 85Lia # 10 others plus ML
- Jar, Drop, Rotation, and Starn Sensitivity
  - ✓ 840 SAAS Jar/Drop/Rotations Drops Completed
  - ✓ Over 1000 Extended Jar/Drop/Rotations Drops Completed
  - ✓ Starn Test Completed
- Endurance Testing:
  - ✓ 53 guns + 500 mds # 24 Guns + 1K mds # 4 guns + 24 mds
  - ✓ 4200 total endurance rounds fired
  - ✓ Dry Cycle (3) 77 rounds thru 10K down range
- Extensive environmental testing
  - ✓ -20°F through +122°F including Thermal Cycling
  - ✓ Dust and Debris
  - ✓ Corrosion

6/2/2006

11