

---

**From:** Norton, Vince  
**Sent:** Monday, April 06, 2009 9:29 AM  
**To:** Vicars, Gerald  
**Cc:** Boyles, Derek; James, Will  
**Subject:** FW: 770/700 SEAR COMPARISSON  
**Attachments:** image001.gif; image002.jpg

This is the e-mail from last year concerning the MIM sear.  
VN

---

**From:** Norton, Vince  
**Sent:** Wednesday, April 09, 2008 1:36 PM  
**To:** Diaz, Danny; Franz, Scott; Jiranek, Marlin R.  
**Subject:** RE: 770/700 SEAR COMPARISSON

I have remodeled the current Model 770 sear safety cam as a MIM part and it is currently turned over to the CAD group for detailing. I will get prints to Gary Williams in Mayfield for quote as soon as they are available. As soon as the quotes are available I will get all the interested parties together to discuss this option as an alternative to the PM sear.

Vince

---

**From:** Diaz, Danny  
**Sent:** Tuesday, April 08, 2008 11:48 AM  
**To:** Norton, Vince; Franz, Scott; Jiranek, Marlin R.  
**Subject:** RE: 770/700 SEAR COMPARISSON

I believe the better alternative by far is to pursue a MIM tool for the current M/770 trigger.

We have a stable design that meets all criteria.

DDD

---

**From:** Norton, Vince  
**Sent:** Tuesday, April 08, 2008 11:39 AM  
**To:** Franz, Scott; Jiranek, Marlin R.  
**Cc:** Diaz, Danny  
**Subject:** RE: 770/700 SEAR COMPARISSON

I would definitely like to discuss this further with Marlin and yourself to understand your specific concerns before we consider design changes and new tooling.

Vince

---

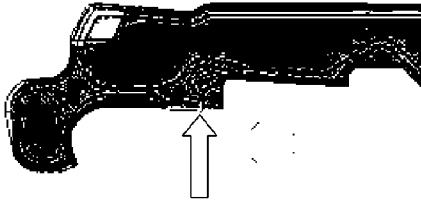
**From:** Franz, Scott  
**Sent:** Tuesday, April 08, 2008 11:20 AM  
**To:** Norton, Vince; Jiranek, Marlin R.  
**Cc:** Diaz, Danny  
**Subject:** RE: 770/700 SEAR COMPARISSON

Vince,  
This is ultimately a Design/Manufacturing decision so you should discuss your options with Danny/Mayfield. I would think the ultimate decision would depend on current tooling condition, cost of new tooling, piece price, etc... Let me know if you want to discuss further with Marlin or myself.

Scott

---

**From:** Norton, Vince  
**Sent:** Tuesday, April 08, 2008 10:52 AM  
**To:** Franz, Scott; Jiranek, Marlin R.  
**Subject:** 770/700 SEAR COMPARISSON



I put the X-Mark Pro MIM sear into the new Model 770 fire control layout. It matches up pretty good except for one crucial area. That is the trigger/sear engagement surface. The X-mark Pro's engagement surface is .062" to the rear of the current 770 sear (X-Mark pro sear edge is indicated by the arrow in the figure). I think incorporating the X-Mark Pro sear into the fire control is doable but it will require a redesign of the trigger, at a minimum, and probably redesign of other components as well. If we need to pursue this issue further let me know very soon because the plant has started tooling on the new components in the fire control.

*Vince Norton*