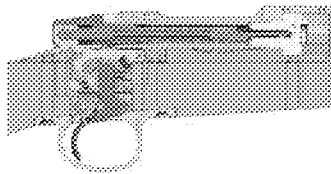




Approach

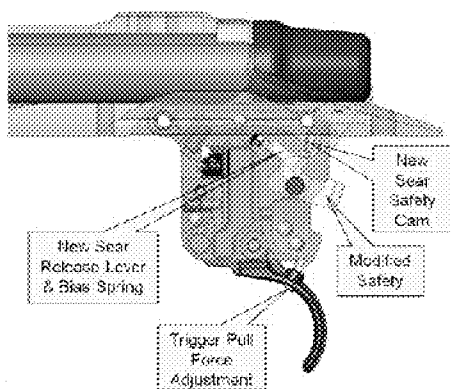
- ◆ Use SPL design as starting point
- ◆ Minimize creation of new parts
- ◆ Meet or exceed performance metrics of current XR-100 trigger assembly

Design Highlights

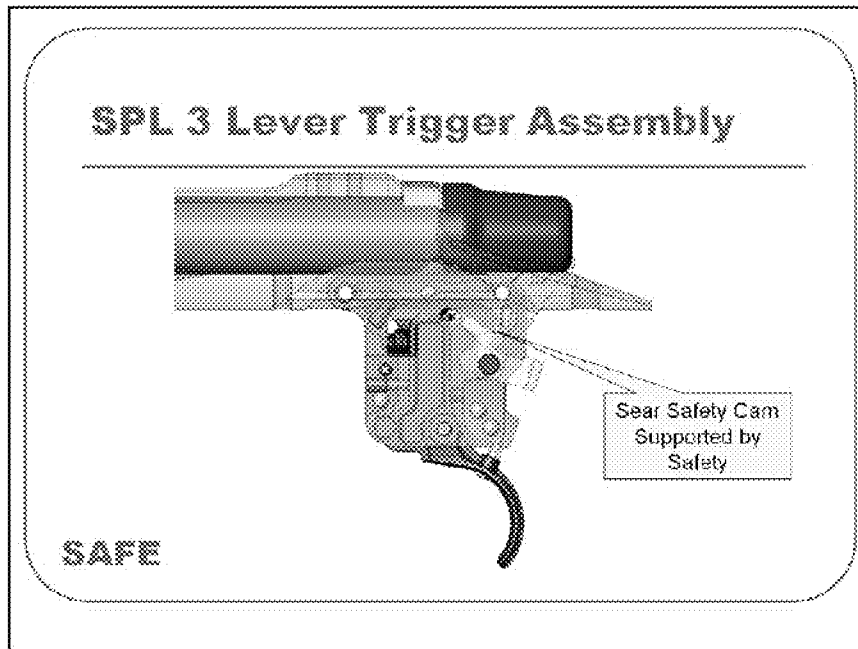


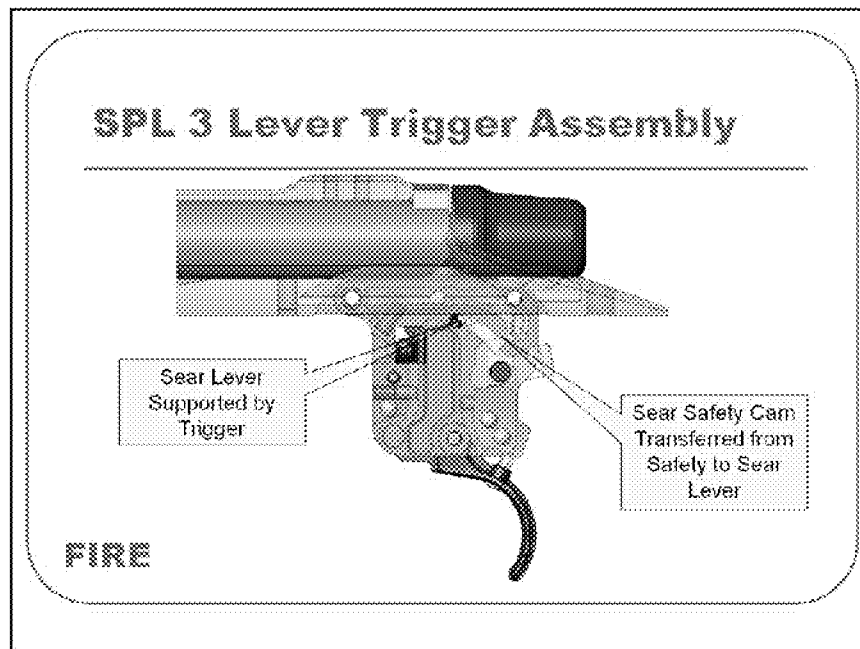
- "Plug compatible" with current trigger assembly
- Minimizes use of new parts
- Adjustment spring is permanently captured in trigger assembly, even if adjustment screw is removed
- Provides better access for trigger pull adjustment than current design

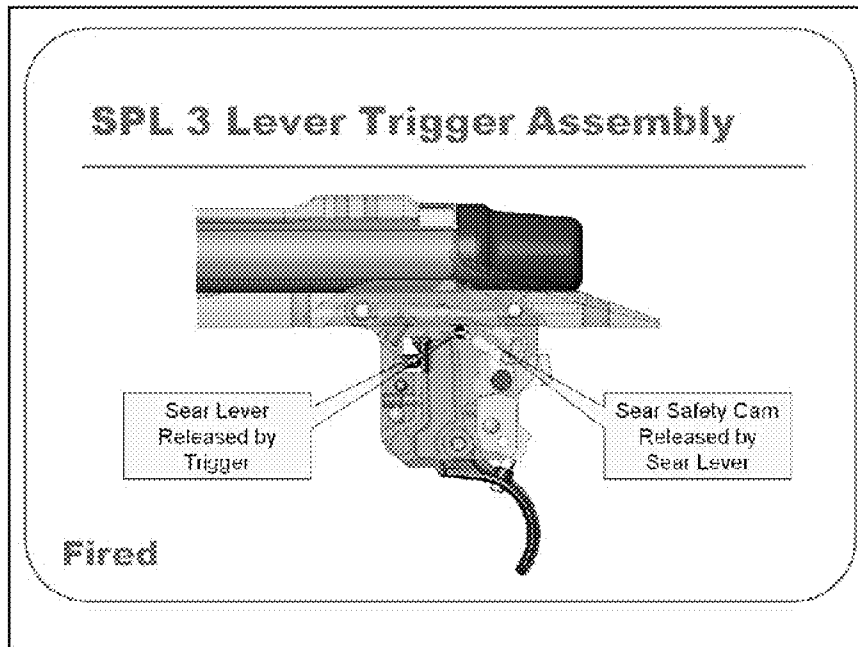
SPL 3 Lever Trigger Assembly - Design Details



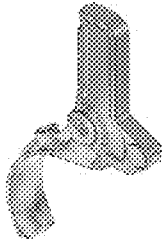
- 3 lever system reduces normal force on trigger from sear (similar to Custom Shop 2 oz. trigger)
- Reduced normal force = reduced frictional force = lighter trigger pull force





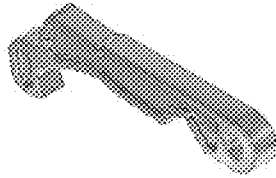


Trigger



- Design same as current SPL trigger except screw boss molded as part of trigger blank

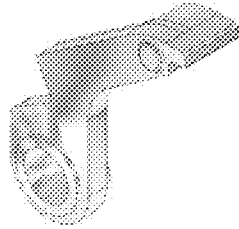
Sear Safety Cam



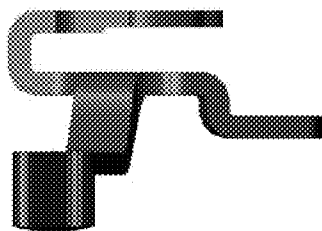
- Design similar to current SPL Sear Safety Cam without the trigger engagement surfaces

Sear Lever

- Envisioned as MIM part



Safety Assembly



- Design same as current SPL safety except inner leg is relieved to give room for sear lever on safety pivot pin