

Harold Davidson  
Status Report  
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**Mohawk:**

- Proof testing on the first prototype 2 receiver went well. It survived 100 rounds without failure. The strain gage testing indicated it may have taken a set on the right side. Thirty shots including 7 proof rounds have been put on the second prototype 2 receiver scheduled for 150 proof rounds. If a light indent problem cannot be fixed with the parts available, this test may be suspended.
- Stress analysis of injection molded steel core receiver will be ongoing for some time. From preliminary results, a simple arrangement of three welded steel plates will not be enough. Dimensions will have to change and supports added.

**NAS:**

- Helped Vince prepare and analyze his choke tube wrench models.

**PT/PD Study:**

- A test request is in place for the 12-gauge multiport pressure barrel in the lab. I need to determine if the barrel will be reliable for pressure measurements. If it is reliable, a similar 20-gauge version will be ordered.

**710:**

- Fire-control analysis for the 710 will resume on ADAMS. Derek has already used Working Model to test the proposed fire-control and is seeking verification of his results. The analysis will focus on trigger pull and drop testing.
- Further stress analysis of the barrel lugs and receiver will be required as the project moves forward.

**ANSYS:**

- As Lori's schedule permits ANSYS will be upgraded to version 5.4.

