


Test Lab Work Request Form

Rev. 3 - 20 April, 2000

Date Submitted: 10/4/00	Tracking # : TLW 0320
Project # : 241095	Engineer: S. Franz for M. Keeney
Test Objective: To test the following design changes proposed for the M/710 Bolt Action Rifle by shooting 1,000 endurance rounds on three guns. <ul style="list-style-type: none"> • Improved Locking Lug Cam cut (See Mike Keeney for new Bolt Heads), • 60 deg. Cone tipped engagement screw. (See Phillip for engagement screws) 	
Test Description: (Use Rem. 180 Gr. PTD SP Core-Lokt ammo) # R30065 <ul style="list-style-type: none"> • Set up 3 - M/710 .30-06 cal. rifles for live fire testing. (GUNS B1,B2,B3) ✓ • Install new bolt heads with the improved locking cam cuts. (Should be here 10/5) ✓ • Install new 60 deg. Engagement screws. (ENGAGEMENT SPEC .020 TO .025) ✓ (TRIGGER PULL SPEC 4 TO 5 LBS.) • Check Headspace, Proof and then recheck Headspace. Follow procedure outlined in the DAT Test Plan. ⁸³ • Measure and record Engagement and Trigger Pull at the start of the test. ✓ • Shoot 500 rounds • Measure and record Headspace, Engagement and Trigger Pull. • If engagement changes by more than .005 in. remove engagement screw and trigger and inspect contact point on either part for deformation. Take pictures as needed. • Reassemble and set engagement to last recorded reading. Also check and reset trigger pull if out of specification. (4 to 5 lbs.) • Shoot 500 rounds. • Measure and record Headspace, Engagement and Trigger Pull. • Disassemble and inspect trigger and engagement screw at contact point. Take pictures as needed. 	
Resource Usage: Manpower Requirements -1 tech. Facility Requirements -F & C, metrology	Test Results Required: Formal Report: Data Only: Requested Completion Date: 10/10/00
Required Materials/Parts/Equipment (include quantities): 3 M/710's	
Test Parts Availability Date: 10/5/00	
Start Date: 10-11-00 Completion Date: 10-13-00 Report Date: 10-13-00	Test Assigned To: Jesse Arnold & Bob Lee Assignment Date: 10/05/00 

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