

# Test Lab Work Request Form

Rev.3 -20 April, 2000

<b>Date Submitted:</b> 4/2/02	<b>Tracking # :</b> TLW0822								
<b>Project # :</b> 241230	<b>Engineer:</b> Franz for Golemboski								
<b>Test Objective:</b> To evaluate the "Hole-less Connector" in the Model 710 product line. A secondary objective will be to evaluate a heat treat process change (tempered) to the scope mount screws for the same product.									
<b>Test Description:</b> 15 guns will be used for this testing. (Eight .30-06 cal. and seven .270 Win. Caliber) The following measurements and tests will be done. <ul style="list-style-type: none"> <li>• <b>Measurements as Rec'd (All 15 guns)</b> <ul style="list-style-type: none"> <li>○ Trigger Pull (spec. is 4.0 – 5.5 lbs.)</li> <li>○ Engagement (spec. is .020 - .025 in.)</li> <li>○ Over travel (spec. is .20 - .025 in.)</li> <li>○ Headspace</li> </ul> </li> <li>• <b>Proof and Re-measure Headspace (All 15 guns)</b></li> <li>• <b>SAAMI Jar-Off, Drop Rotation (6 guns: 3 of each caliber chosen at random)</b> <ul style="list-style-type: none"> <li>○ Drop with scopes mounted (Use std. Screws)</li> <li>○ Set fire controls to process minimums               <table style="margin-left: 20px;"> <tr> <td>TRIGGER PULL:</td> <td>4.0 lbs.</td> </tr> <tr> <td>ENGAGEMENT:</td> <td>0.020 in.</td> </tr> </table> </li> </ul> </li> <li>• <b>Extended SAAMI Jar-Off Only (same 6 guns)</b> <ul style="list-style-type: none"> <li>○ Drop with scopes mounted (Use std. Screws)</li> <li>○ Set fire controls to process minimums               <table style="margin-left: 20px;"> <tr> <td>TRIGGER PULL:</td> <td>4.0 lbs.</td> </tr> <tr> <td>ENGAGEMENT:</td> <td>0.020 in.</td> </tr> </table> </li> </ul> </li> <li>• <b>100 Rd. Jack Fcn. Test (9 guns)</b> <ul style="list-style-type: none"> <li>○ Shoot with scopes mounted on 8 guns, 9<sup>th</sup> gun has no scope mounted               <ul style="list-style-type: none"> <li>▪ Use special mount screws provided (tempered screws)</li> <li>▪ Use Loctite 222MS and torque screws to 15 – 20 in. lb.</li> </ul> </li> <li>○ Fire 100 rds per gun in the heavy shooting jacks (any ammo type but note what's used)</li> <li>○ Track malfunctions</li> <li>○ Pay special attention to fire control function and feel</li> <li>○ Cycle Safety from Fire to Safe every feeding cycle</li> <li>○ Check Scope mount screws for tightness after firing 100 rds</li> <li>○ Remove and inspect screws for cracks after firing</li> </ul> </li> </ul>		TRIGGER PULL:	4.0 lbs.	ENGAGEMENT:	0.020 in.	TRIGGER PULL:	4.0 lbs.	ENGAGEMENT:	0.020 in.
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<b>Resource Usage:</b>	<b>Test Results Required:</b>								

<b>Manpower Requirements –1to2 techs</b>  <b>Facility Requirements –Drop area, F&amp;C</b>	<b>Formal Report:</b> <b>Data Only: X</b>  <b>Requested Completion Date: 4/12/02</b>
<b>Required Materials/Parts/Equipment (include quantities): 15 guns, 32 scope mount screws</b>	
<b>Test Parts Availability Date: Now</b>	
<b>Start Date:4/1/02</b> <b>Completion Date:</b> <b>Report Date:</b>	<b>Test Assigned To:Arnold</b> <b>Assignment Date:4/1/02</b>