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pull the trigger, the firing pin must fall and set off the primed case. If the primed case is not fired then the test sample fails. Record results.

3. If the system passes both tests above then perform this procedure. Make sure the gun is completely unloaded of live ammo or primed cases. Open the bolt to the rearward position and put the safety in the "On Safe" position. Rotate the ISS to the locked position (no red dot visible) using the ISS tool and then attempt to unlock the ISS first using your fingers and then using a small screwdriver. You must not be able to unlock the ISS System. (Be careful, do not use excessive force when using the screwdriver, you just want to determine that the system will not unlock without the use of the proper tool.) Record results.
4. For the final check unlock the ISS system using the ISS tool and make sure the safety is in the "On Safe" position. Close and lockup the bolt on an empty chamber. Using the ISS tool attempt to lock the ISS system. Be careful, do not use excessive force or the ISS tool will be damaged. You should not be able to lock the ISS system with the bolt closed on a M/710. Record results.

Data required:

- Rifle serial number
- Record results for all four phases of the ISS System function check.

TLW0300Q - Magazine Box Weld Strength Test:

Provide selected magazine box samples from the T & P lot to the R & D metallurgist for evaluation. Samples will be strength tested via previously established procedures to determine the amount of force required to fail the magazine box spot welds. The pass/fail criteria is that all boxes tested must fail at a load equal to or greater than 2,000 lbs. force.

J.R. Snedeker

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