

Sample test pieces to arrive from Mayfield – 5 fire control assemblies and 5 sear safety cams. The 10 sample safety sear cams are hand picked for the softest part available. Part to be evaluated for case depth (microhardness) and dry-cycle testing to determine suitability for product usage.

Microhardness – sample 5 pieces and determine effective and total case depth for each part.

Dry Cycle – Dry cycle 5 trigger assemblies to 2,000 cycles. Trigger scan data to be collected initially and then at 500, 1000, 1500, and 2000 cycles. Two assemblies with softest safety sear cams to be cycled to 5000 cycles, with trigger scan data collected at 3000, 4000, and 5000 cycles.

Trigger scan to collect 5 trigger pulls from each fire control assembly at the required cycle number.