

Test Lab Work Request Form

Date Submitted: 10 March, 2000

Tracking #: TLW 0010I

Project #: 241095

Engineer: J.R.SNEDEKER

Test Objective:

TLW0010I - Measure Magazine Spring Force:

The force produced by the compression of the Magazine Spring in the box with the follower attached will be measured. These measurements will be taken for information only. There is no specification currently defined for this characteristic.

Test Description:

Method:

- Use the Chatillion TCD200 Spring Testing Machine with the Chatillion Digital Force Gauge (0-10 lb. range). Use the disc probe (½ " dia.) on the gauge.
- Place the magazine box, bottom side down, on the staging table.
- Lower the gauge until it just touches the magazine follower, approximately in the middle location both side to side and front to rear.
- Zero the force gauge
- Lower the gauge 0.200" and take the spring force measurements.
- Lower the gauge another 1.0".
- Take the force measurement at this depressed location of the spring.
- Repeat procedure two additional trials for each box.
- Average the 3 trials for each box and at each measurement location.

Data Required:

- Force Measurements taken on each trial per box at each of the measurement locations.
- The Average Force measurement per box.
- The serial number of the Chatillion Digital Force Gauge used for the procedure.

Resource Usage:

Manpower Requirements -

Facility Requirements -

Test Results Required:

Formal Report: Data Only: X

REQUESTED Completion Date:

Required Materials/Parts/Equipment (include quantities):

Test Parts Availability Date:

Start Date: 14 Sept 2000

Completion Date: 14 Sept 2000

Report Date:

Test Assigned To:

H. Carver

ET06985

Magazine Spring Forces - TLW 0010L

B1	1.74	1.74	1.74	1.74
	2.74	2.72	2.72	2.73
B2	1.90	1.84	1.86	1.87
	2.94	2.92	2.96	2.94
B3	1.76	1.74	1.72	1.74
	2.76	2.68	2.70	2.71
B4	1.80	1.86	1.82	1.83
	2.88	2.94	2.94	2.92
B5	2.00	1.98	1.96	1.96
	2.96	2.92	2.96	2.95
B6	1.90	1.80	1.82	1.84
	2.86	2.86	2.86	2.86
B7	1.92	2.04	2.04	2.00
	3.08	3.08	3.16	3.11
B8	1.96	1.96	1.88	1.93
	2.88	2.80	3.14	2.94
B9	1.96	2.30	2.28	2.18
	3.64	3.66	3.70	3.67
B10	1.90	1.90	1.84	1.88
	2.94	3.00	3.00	2.96

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