

# Usage Checklist for the ½" 15-150ft-lb STEELMAN Digital Torque Checker (97867)

The MOST important things to remember when using the Torque Checker are:

- \* NEVER PRESS ANY OF THE RED BUTTONS WHEN THERE IS A LOAD ON THE TORQUE CHECKER.
- \* NEVER USE OR TEST ANY IMPACT WRENCHES OR IMPACT GUNS ON THE TORQUE CHECKER.
- \* ALWAYS MAKE SURE THE TORQUE WRENCH YOU ARE CHECKING IS IN THE RANGE OF THE TORQUE CHECKER ( 15-150 FT.LBS)
- \* NEVER DROP, BANG, BASH OR OVERLOAD THE TORQUE CHECKER.

1. Securely mount the Torque Checker in a bench vise. (The vise jaws grip the brass strips.)
2. Turn it on by pressing the red CLR button for 3 seconds.  
The red LED will light up and there will be a beep for about 2 seconds. (if you don't do anything for 90 seconds it turns off automatically)
3. The display screen must look like the picture on the right ==>  
You can change the unit of measurement from foot-pounds (lbf.ft.) to Newton-meters (Nm) by pressing the "UNI" button.

If the display does not look like this and if you have any extra icons showing, look in the Users Guide to get it setup right.

*The display must look like this before every test swing*



4. Place the torque wrench square drive into the Torque Checker and grip the wrench only at the handle.  
  
"Warm up" the torque wrench by swinging it in the test direction until it clicks. Do this 3 times.
5. Now you are going to do a real test. Don't put any force on the torque wrench and click the red CLR button to clear the display. Be careful to press only the CLR button - if you accidentally touch the UNI button or the other buttons, the numbers will be wrong.
6. Grip only the handle then SLOWLY AND SMOOTHLY swing the torque wrench just once in the same direction as the "warm up" until the wrench clicks; note the reading. (the numbers turn back to 000 in about 15 seconds)



Grip only the handle - swing the wrench **SLOWLY & SMOOTHLY!**

7. Now look at the Pass/Fail chart on the back of this sheet. Each big bold number has smaller numbers on both sides of it. For example, 96.0 **100** 104.0 This means that for a 100 ft.lb test, the wrench passes if the Torque Checker displayed a number between 96.0 and 104.0. It also just passes if it reads exactly 96.0 or 104.0.
8. If you want to test it again, click the red CLR button and swing it again.
9. When you are done testing, you can turn the Torque Checker off by pressing the red CLR button for 6 seconds or it will turn off automatically in about 90 seconds.

**NOTE: It is common, when first using this piece of equipment, to obtain readings that are much higher than the rating of the wrench. This is most commonly due to user technique, not faulty torque wrenches. This tool can be an excellent training aide in teaching proper torque application to all technicians.**

## Pass-Fail Chart for ½" 15-150ft-lb STEELMAN Digital Torque Checker (97867)

Wrench		Wrench		Wrench		Wrench		
Pass if	Torque	Pass if	Pass if	Torque	Pass if	Pass if	Torque	Pass if
Higher Than or equal to	Setting Ft-Lbs	Lower Than or equal to	Higher Than or equal to	Setting Ft-Lbs	Lower Than or equal to	Higher Than or equal to	Setting Ft-Lbs	Lower Than or equal to
14.4	15	15.6	57.6	60	62.4	100.8	105	109.2
15.4	16	16.6	58.6	61	63.4	101.8	106	110.2
16.3	17	17.7	59.5	62	64.5	102.7	107	111.3
17.3	18	18.7	60.5	63	65.5	103.7	108	112.3
18.2	19	19.8	61.4	64	66.6	104.6	109	113.4
19.2	20	20.8	62.4	65	67.6	105.6	110	114.4
20.2	21	21.8	63.4	66	68.6	106.6	111	115.4
21.1	22	22.9	64.3	67	69.7	107.5	112	116.5
22.1	23	23.9	65.3	68	70.7	108.5	113	117.5
23.0	24	25.0	66.2	69	71.8	109.4	114	118.6
24.0	25	26.0	67.2	70	72.8	110.4	115	119.6
25.0	26	27.0	68.2	71	73.8	111.4	116	120.6
25.9	27	28.1	69.1	72	74.9	112.3	117	121.7
26.9	28	29.1	70.1	73	75.9	113.3	118	122.7
27.8	29	30.2	71.0	74	77.0	114.2	119	123.8
28.8	30	31.2	72.0	75	78.0	115.2	120	124.8
29.8	31	32.2	73.0	76	79.0	116.2	121	125.8
30.7	32	33.3	73.9	77	80.1	117.1	122	126.9
31.7	33	34.3	74.9	78	81.1	118.1	123	127.9
32.6	34	35.4	75.8	79	82.2	119.0	124	129.0
33.6	35	36.4	76.8	80	83.2	120.0	125	130.0
34.6	36	37.4	77.8	81	84.2	121.0	126	131.0
35.5	37	38.5	78.7	82	85.3	121.9	127	132.1
36.5	38	39.5	79.7	83	86.3	122.9	128	133.1
37.4	39	40.6	80.6	84	87.4	123.8	129	134.2
38.4	40	41.6	81.6	85	88.4	124.8	130	135.2
39.4	41	42.6	82.6	86	89.4	125.8	131	136.2
40.3	42	43.7	83.5	87	90.5	126.7	132	137.3
41.3	43	44.7	84.5	88	91.5	127.7	133	138.3
42.2	44	45.8	85.4	89	92.6	128.6	134	139.4
43.2	45	46.8	86.4	90	93.6	129.6	135	140.4
44.2	46	47.8	87.4	91	94.6	130.6	136	141.4
45.1	47	48.9	88.3	92	95.7	131.5	137	142.5
46.1	48	49.9	89.3	93	96.7	132.5	138	143.5
47.0	49	51.0	90.2	94	97.8	133.4	139	144.6
48.0	50	52.0	91.2	95	98.8	134.4	140	145.6
49.0	51	53.0	92.2	96	99.8	135.4	141	146.6
49.9	52	54.1	93.1	97	100.9	136.3	142	147.7
50.9	53	55.1	94.1	98	101.9	137.3	143	148.7
51.8	54	56.2	95.0	99	103.0	138.2	144	149.8
52.8	55	57.2	96.0	100	104.0	139.2	145	150.8
53.8	56	58.2	97.0	101	105.0	140.2	146	151.8
54.7	57	59.3	97.9	102	106.1	141.1	147	152.9
55.7	58	60.3	98.9	103	107.1	142.1	148	153.9
56.6	59	61.4	99.8	104	108.2	143.0	149	155.0
97867						144.0	150	156.0

JS PRODUCTS, INC 5440 S. PROCVON ST LAS VEGAS, NV 89118