



Recommendations for Maintenance:

Please, note it is important to make sure the tool has clean, dry and lubricated air at the recommended pressure supplied to it. (Please consult the service manual for further instructions)

The pulse tool requires preventive maintenance like oil changes and have the parts inspected periodically. It is recommended to make the first preventive maintenance at 250,000 pulses-seconds or 6 months, whichever one occurs first. The tool's performance should be evaluated. The oil needs to be changed. Inspect all the soft parts of the pulse unit (the soft parts are referenced as the "Repair Kit" - see parts list page 2). The Repair Kit includes all the necessary parts and it is recommended to be performed every six months (unless parts are in good condition). If the tool fails before the 250,000 pulses-seconds then the pulse unit needs to be rebuilt, with the "Repair Kit" and "Service Kit" (see parts list page 2). Caution: prevailing torque, which makes that the tool start pulsing early, reduces the life of the Oil & O-rings of the pulse unit. A pulse-second is not every second the tool is running, only when it's "pulsing" and applying torque. On typical applications the tool should run down freely until fastener is snug and then the tool starts pulsing until it reaches the preset torque. When operating the tool on the fastener, start counting once the tool begins pulsing. You can use a watch with a second hand and time it until the tool shuts-off. Use the information to calculate how many pulse-seconds the tool performs per application each day. Then perform some basic math to calculate the tool's maintenance schedule. Use this formula.

$$\# \text{ Pulsing Seconds} \div \text{Total of Pulsing Time} = \text{No Cycles}$$

NOTE: Please include the rework, reverse, or retightening time is involve on the operation to calculate the accurate pulsing time. Here is an example:

Pulsing Time = 2 seconds

Pulses- seconds recommended = 250,000

$$250,000 \text{ pulses-sec} \div 2 \text{ sec} = 125,000 \text{ cycles}$$

Using the information above, you can estimate the maintenance period for the tool by using this formula:

No of Fasteners	Pulsing Time per Fastener	No of Parts Assembled per Day	Calculation	Maintenance Period
7	2 seconds	300	$125,000 / (300 \times 7) = 59$	59 days

Index No.	Part No.	Description	Q'ty	Index No.	Part No.	Description	Q'ty
1	63-00-0612	Screw	1	40	63-I150-305	Rear Plate	1
2	63-I150-201	Pulse Unit Housing	1	41	63-00-2353	Ball Bearing(16003)	1
3	63-I150-202	Bushing	1	42	63-00-4171	O-Ring(Ø 36x Ø2)	1
4	63-I150-424	Washer	1	43	63-I150-307	Rear Cover	1
5	63-I150-401	Pulse Cylinder Seat	1	44	63-00-41200	O-Ring(Ø 57x Ø2)	2
6	63-00-41198	O-Ring(Ø 47.5x Ø2)	2	45	63-I150-504	Trigger	1
7	63-I150-458	Snap Ring	1	46	63-00-3308	Spring Pin(Ø 3x 18L)	1
8	63-I150-457	Washer	1	47	63-00-0505	Screw(M3x6L)	2
9	63-I150-409	Back-Up Ring	1	48	63-I150-503	Regulator Knob	1
10	63-00-2605	X-Ring	1	49	63-00-3813	Steel Ball(Ø 1/8")	1
11	63-00-3426	Pin(Ø 3x 7L)	2	50	63-I100-506	Spring	1
12	63-I150-408	Front Plate	1	51	63-IS150-502	F/R Valve	1
13	63-I150-431	Back-Up Ring	1	52	63-I150-501	Valve Sleeve	1
14	63-00-41156	O-Ring(Ø 3.5x Ø1.5)	1	53	63-00-41145	O-Ring(Ø 18x Ø1.5)	2
15	63-I150-411	Valve Screw	1	54	63-00-4101	O-Ring(Ø 3x Ø1)	1
16	63-I150-407	Spring	2	55	63-IS150-505	Valve Stem	1
17	63-I150-410	Greasing Screw	1	56	63-I150-507	Spring	1
18	63-00-41178	O-Ring(Ø 2.5x Ø1.5)	2	57	63-I150-508	Bushing	1
19	63-I150-405	Anvil	1	58	63-00-41199	O-Ring(Ø 1.8x Ø1.9)	1
20	63-I150-406	Drive Blade	2	59	63-00-3427	Pin(Ø2x 25L)	1
21	63-I150-452	Roller	2	60	63-I150-101	Motor Housing	1
22	63-I150-459	Back-Up Ring	1	61	63-00-3353	Spring Pin(Ø 5x 8L)	4
23	63-I150-455	Valve	1	62	63-00-41194	O-Ring(Ø 30x Ø2)	1
24	63-I150-453	Spring	1	63	63-I130-104	Nut	1
25	63-00-3432	Pin(Ø 4x 7L)	4	64	63-I40S-102	Hanger	1
26	63-I150-404	Pulse Cylinder	1	65	63-00-41203	O-Ring(Ø 19x Ø2)	1
27	63-I150-454	Block Cap	1	66	63-I150-601	Muffler	1
28	63-IS150-412	Valve	1	67	63-I150-603	Exhaust Deflector	1
29	63-00-3428	Pin(Ø2x 6L)	1	68	63-00-41113	O-Ring(Ø2x Ø1.5)	1
30	63-I150-415	Rear Plate	1		63-I150-604A	Air Inlet 1/4"-19PF	1
31	63-I150-423	Washer	1	69	63-I150-604B	Air Inlet 1/4"-19PT	1
32	63-I150-402	Lock Nut	1		63-I150-604C	Air Inlet 1/4"-18NPT	1
33	63-I150-306	Lock Nut	1	70EB	63-I150-103	Housing Rubber	1
34	63-00-2354	Ball Bearing(6904)	1	*	63-I150-109FL	Tool Cover	1
35	63-I150-302	Cylinder	1	*	63-I150RK-MZ	Repair kit :Index No-	
36	63-00-3324	Spring Pin(Ø2x 5L)	1			6(2);9;10;13;14;16(2);18(2);22;68	
37	63-00-3361	Spring Pin(Ø3.5x 10L)	1	*	63-I150SK-MZ	Service kit :Index No-	
38	63-I150-304	Rotor Blade	9			12;20(2);21(2);30;38(9);56;57;58	
39	63-I150-303	Rotor	1	*	63-I40-451	Impulse Oil	
×	63-I150-400ASM	Pulse unit : Index No- 5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,32,68					