



### 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 involved 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	63-757-026	Anvil Collar	1	40	63-I40S-305	Rear Plate	1
2	63-I40SD-419	Hold Spacer	1	41	63-00-2356	Ball Bearing	1
3	63-I40SD-418	Spring	1	42	63-I40S-310	Air Inlet Plate	1
4	63-I40SD-417	Quick Change Hold	1	43	63-305F-034	Spring	1
5	63-I100-410	Greasing Screw	1	44	63-I40S-502	F/R Valve	1
6	63-00-4153	O-Ring	1	45	63-00-41146	O-Ring	1
7	63-I40S-201	Pulse Unit Housing	1	46	63-00-41125	O-Ring	1
8	63-I40S-202	Bushing	1	47	63-I40S-309	Seat	1
9	63-I40S-424	Washer	1	48	63-I40S-101	Motor Housing	1
10	63-I40S-401	Pulse Cylinder Seat	1	49	63-00-0507	Screw	1
11	63-00-41127	O-Ring	3	50	63-I40S-503	Regulator Knob	1
12	63-I70-410	Greasing Screw	1	51	63-I40S-102	Hanger	1
13	63-00-41113	O-Ring	2	52	63-I40S-509	Bushing	1
14	63-00-3318	Spring Pin	2	53	63-I40S-510	Pin	1
15EA	63-I40S-403-B	Front Cover	1	54	63-I40S-504	Trigger	1
16	63-00-2602	X-Ring	1	55	63-00-3306	Spring Pin	1
17EB	63-I80-411	Valve Screw	1	56	63-I40S-108	Bushing	2
18C	63-IS40S-412-B	Valve	1	57	63-I40S-103	Housing Rubber	1
19	63-00-41130	O-Ring	1	58	63-I40S-508	Bushing	1
20	63-00-3435	Pin	2	59	63-305C-021	Valve Stem	1
21	63-I40S-408	Front Plate	1	60	63-I40S-507	Spring	1
22	63-I40SD-405	Anvil	1	61	63-I40S-601	Muffler	1
23	63-00-3813	Steel Ball	3	62	63-I40S-603	Exhaust Deflector	1
24B	63-I40S-452	Roller	2		63-I40S-604A	Air Inlet 1/4"PF-19	
25B	63-I40S-406-B	Drive Blade	2	63	63-I40S-604B	Air Inlet 1/4"PT-19	1
26	63-I40S-407	Spring	2		63-I40S-604C	Air Inlet 1/4"NPT-18	
27C	63-I40S-404-B	Pulse Cylinder	1	64	63-00-3509	Snap Ring	1
28	63-00-3436	Pin	1	65C	63-00-41173	O-Ring	1
29	63-00-3407	Pin	2	66C	63-IS40S-421	Pressure Valve	1
30	63-I40S-415	Rear Plate	1	67C	63-I40S-453	Spring	1
31	63-I40S-423	Washer	1	68C	63-I40S-454	Block Cap	1
32	63-I40S-402	Lock Nut	1	69EA	63-I40-409	Back Up Ring	1
33	63-I40S-306	Lock Nut	1	70EB	63-I80-422	Back Up Ring	1
34	63-00-2348	Ball Bearing	1	※	63-I40SDSK-MZ	Service kit :Index No- 21; 24B(2); 25B(2);30; 38(9); 58; 59; 60	
35	63-00-3324	Spring Pin	1				
36	63-I40S-302	Cylinder	1				
37	63-I40S-303	Rotor	1	※	63-I40SDRK-MZ	Repair kit :Index No- 11(2); 13(2); 16; 19; 26(2); 65C; 69EA	
38	63-I40S-304	Rotor Blade	9				
39	63-00-3326	Spring Pin	1	※	63-I40-451	Impulse Oil	
※	63-I40SD-400ASM	Pulse unit : Index No- 10,11,12,13,14,15EA,16,17EB,18C,19,20,21,22,24B,25B,26,27C,28,29,30,32,65C,66C,67C,68C,69EA,70EB					