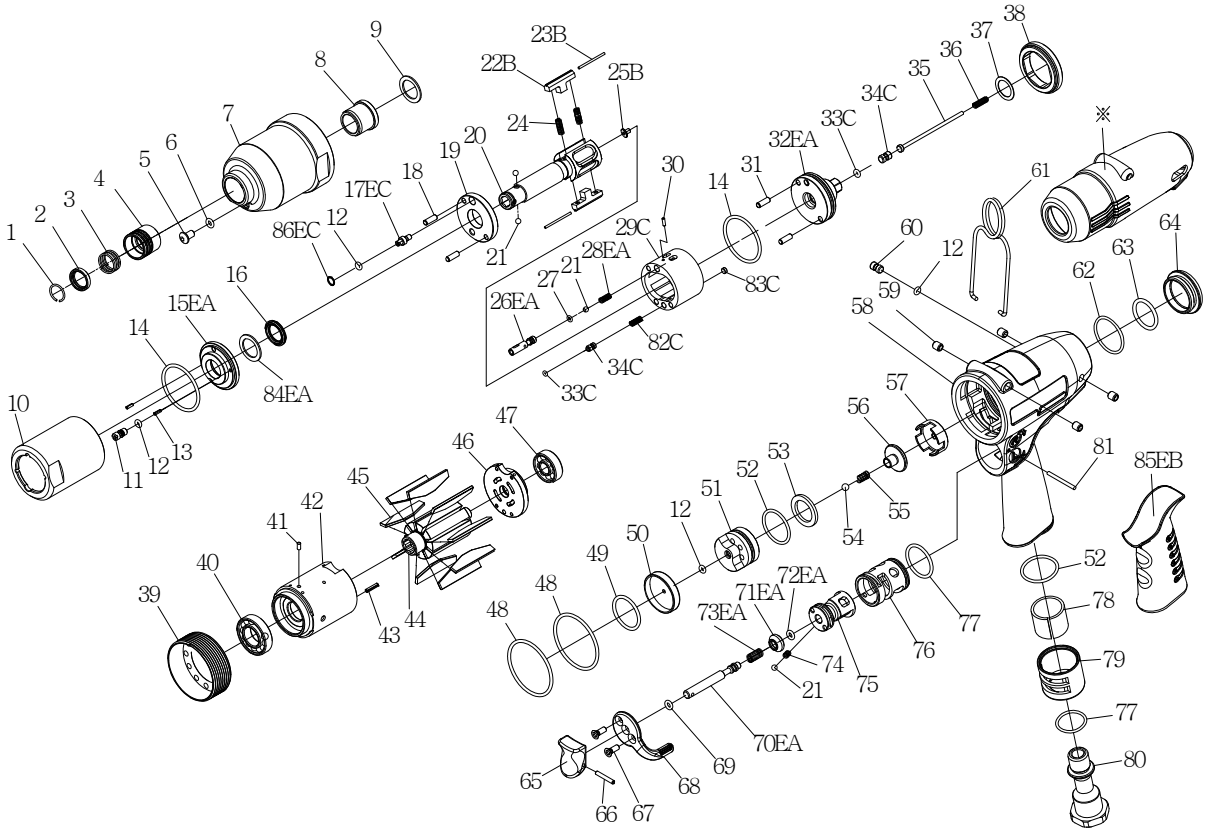

Recommendations for Maintenance:

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, which either one occurs first. The tool's performance should be evaulated. 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 recommend 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.

Pulsing Seconds ÷ Total of Pulsing Time = 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 pulses-sec ÷ 2 sec = 125,000 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*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	49	63-00-41135	O-Ring	1
2	63-I40SD-419	Hold Spacer	1	50	63-IS40-307	Rear Cover	1
3	63-I40SD-418	Spring	1	51	63-IS40-524	Valve Seat	1
4	63-I40SD-417	Quick Change Hold	1	52	63-00-41145	O-Ring	2
5	63-I100-410	Greasing Screw	1	53	63-IS40S-312	Washer	1
6	63-00-4153	O-Ring	1	54	63-00-3824	Steel Ball	1
7	63-I60S-201	Pulse Unit Housing	1	55	63-IS40S-313	Spring	1
8	63-I40S-202	Bushing	1	56	63-IS40S-311	Valve	1
9	63-I40S-424	Washer	1	57	63-IS40-518	Seat	1
10	63-I60S-401	Pulse Cylinder Seat	1	58	63-IS60-101	Motor Housing	1
11	63-I70-410	Greasing Screw	1	59	63-I40S-108	Bushing	4
12	63-00-41113	O-Ring	4	60	63-IS100-609	Screw	1
13	63-00-3318	Spring Pin	2	61	63-I40S-102	Hanger	1
14	63-00-41127	O-Ring	2	62	63-00-41146	O-Ring	1
15EA	63-I40S-403-B	Front Cover	1	63	63-00-4169	O-Ring	1
16	63-00-2602	X-Ring	1	64	63-I40-104	Nut	1
17EC	63-I80-411	Valve Screw	1	65	63-I40-504	Trigger	1
18	63-00-3435	Pin	2	66	63-00-3354	Spring Pin	1
19	63-I40S-408	Front Plate	1	67	63-00-0505	Screw	2
20B	63-IS60SD-405	Anvil	1	68	63-I100-503	Regulator Knob	1
21	63-00-3813	Steel Ball	4	69	63-00-4101	O-Ring	1
22B	63-I60S-406-B	Drive Blade	2	70EA	63-IS40-505B	Valve Stem	1
23B	63-I60S-452	Roller	2	71EA	63-I100-508B	Bushing	1
24	63-I40S-407	Spring	2	72EA	63-00-41199	O-Ring	1
25B	63-IS40-450	Block Valve	1	73EA	63-I40-507B	Spring	1
26EA	63-IS60S-412-C	Valve	1	74	63-I100-506	Spring	1
27	63-00-41130	O-Ring	1	75	63-IS40-502	F/R Valve	1
28EA	63-IS60SD-425-C	Spring	1	76	63-I40-501	Valve Sleeve	1
29C	63-I60S-404-B	Pulse Cylinder	1	77	63-00-41111	O-Ring	2
30	63-00-3436	Pin	1	78	63-I40-601	Muffler	1
31	63-00-3407	Pin	2	79	63-I40-603	Exhaust Deflector	1
32EA	63-IS40S-415-C	Rear Plate	1		63-I40-604A	Air Inlet 1/4"-19PF	
33C	63-00-41173	O-Ring	2	80	63-I40-604B	Air Inlet 1/4"-19PT	1
34C	63-IS40S-421	Pressure Valve	2		63-I40-604C	Air Inlet 1/4"-18NPT	
35	63-IS60-314	Shut Off Stem	1	81	63-I100-511	Pin	1
36	63-IS40S-317	Spring	1	82C	63-I60S-453	Spring	1
37	63-I40S-423	Washer	1	83C	63-I40S-454	Block Cap	1
38	63-I40S-402	Lock Nut	1	84EA	63-I40-409	Back-Up Ring	1
39	63-I40S-306	Lock Nut	1	85EB	63-I60-103	Housing Rubber	1
40	63-00-2348	Ball Bearing	1	86EC	63-I80-422	Back-Up Ring	1
41	63-00-3324	Spring Pin	1	•	63-I60-109FL	Tool Cover	1
42	63-I60-302	Cylinder	1	•	63-IS60DSK-MZ	Service kit :Index No-	
43	63-00-3356	Spring Pin	1			19;22B(2); 23B(2); 32EA; 45(9); 55;	
44	63-I60S-303	Rotor	1			71EA; 72EA; 73EA	
45	63-I60S-304	Rotor Blade	9	•	63-IS60DRK-MZ	Repair kit :Index No-	
46	63-I40-305	Rear Plate	1			12(2); 14(2); 16; 24(2); 27; 33C(2);	
47	63-00-2356	Ball Bearing	1			84EA	
48	63-00-41144	O-Ring	2	•	63-I40-451	Impulse Oil	
•	63-IS60SD-400ASM	Pulse unit : Index No- 10,11,12,13,14,15EA,16,17EC,18,19,20B,21,22B,23B,24,25B,26EA,27,28EA,29C,30,31,32EA,33C,34C,38, 82C,83C,84EA,86EC					