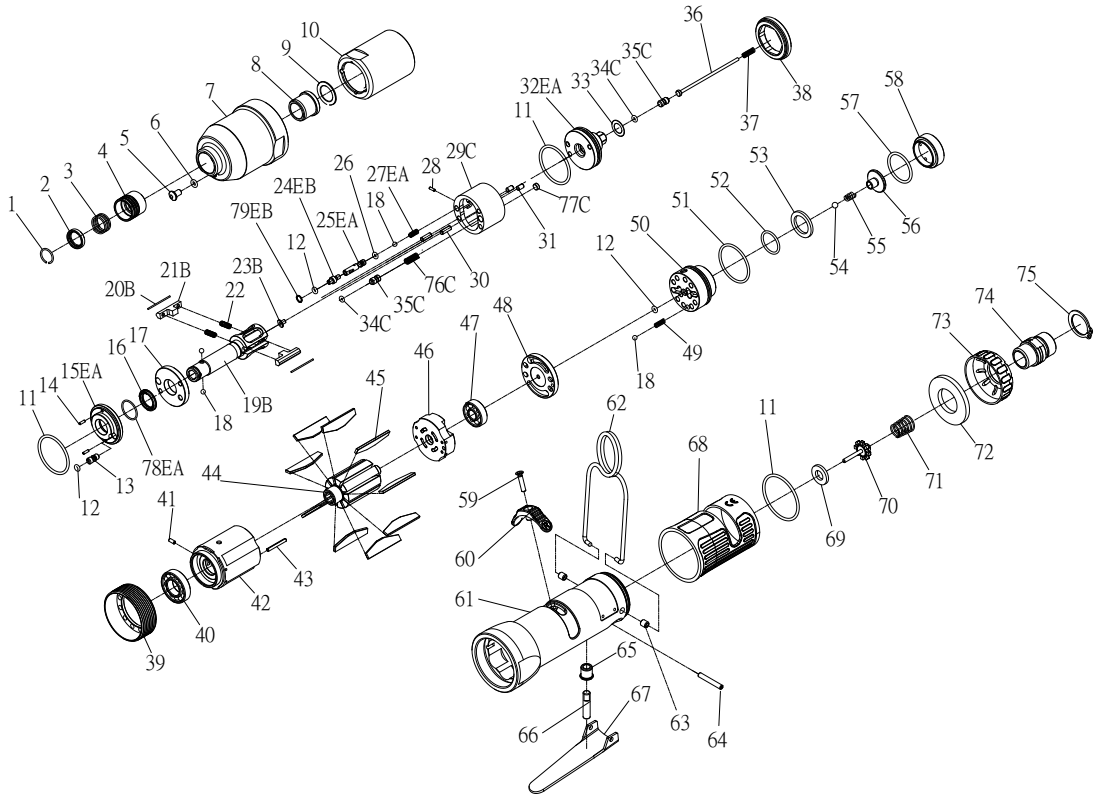
FLEXS-60SX (360127) Auto-Shut Off Pulse Tool (1/4" F/Hex)



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

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Index No.	Part No.	Description	Q'ty	Index No.	Part No.	Description	Q'ty
1	63-757-026	Anvil Collar	1	45	63-I60S-304	Rotor Blade	9
2	63-I40SD-419	Hold Spacer	1	46	63-I50S-305	Rear Plate	1
3	63-I40SD-418	Spring	1	47	63-00-2356	Ball Bearing	1
4	63-I40SD-417	Quick Change Hold	1	48	63-I40S-310	Air Inlet Plate	1
5	63-I100-410	Greasing Screw	1	49	63-305F-034	Spring	1
6	63-00-4153	O-Ring	1	50	63-IS40S-502	F/R Valve	1
7	63-I60S-201	Pulse Unit Housing	1	51	63-00-41146	O-Ring	1
8	63-I40S-202	Bushing	1	52	63-00-4121	O-Ring	1
9	63-I40S-424	Washer	1	53	63-IS40S-312	Valve Washer	1
10	63-I60S-401	Pulse Cylinder Seat	1	54	63-00-3824	Steel Ball	1
11	63-00-41127	O-Ring	3	55	63-IS40S-313	Spring	1
12	63-00-41113	O-Ring	3	56	63-IS40S-311	Valve	1
13	63-I70-410	Greasing Screw	1	57	63-00-41125	O-Ring	1
14	63-00-3318	Spring Pin	2	58	63-I40S-309	Seat	1
15EA	63-I40S-403-B	Front Cover	1	59	63-00-0507	Screw	1
16	63-00-2602	X-Ring	1	60	63-I40S-503	Regulator Knob	1
17	63-I40S-408	Front Plate	1	61	63-I60S-101	Motor Housing	1
18	63-00-3813	Steel Ball	4	62	63-I40S-102	Hanger	1
19B	63-IS60SD-405	Anvil	1	63	63-I40S-108	Bushing	2
20B	63-I60S-452	Roller	2	64	63-00-3306	Spring Pin	1
21B	63-I60S-406-B	Drive Blade	2	65	63-I40S-509	Bushing	1
22	63-I40S-407	Spring	2	66	63-IS40S-510	Pin	1
23B	63-IS40-450	Block Valve	1	67	63-I40S-504	Trigger	1
24EB	63-I80-411	Valve Screw	1	68	63-I40S-103	Housing Rubber	1
25EA	63-IS60S-412-C	Valve	1	69	63-I40S-508	Bushing	1
26	63-00-41130	O-Ring	1	70	63-305C-021	Valve Stem	1
27EA	63-IS60SD-425-C	Spring	1	71	63-I40S-507	Spring	1
28	63-00-3436	Pin	1	72	63-I40S-601	Muffler	1
29C	63-I60S-404-B	Pulse Cylinder	1	73	63-I40S-603	Exhaust Deflector	1
30	63-00-3435	Pin	2		63-I40S-604A	Air Inlet 1/4"PF	
31	63-00-3407	Pin	2	74	63-I40S-604B	Air Inlet 1/4"PT	1
32EA	63-IS40S-415-C	Rear Plate	1		63-I40S-604C	Air Inlet 1/4"NPT	
33	63-I40S-423	Washer	1	75	63-00-3509	Snap Ring	1
34C	63-00-41173	O-Ring	2	76C	63-I60S-453	Spring	1
35C	63-IS40S-421	Pressure Valve	2	77C	63-I40S-454	Block Cap	1
36	63-IS60S-314	Shut Off Stem	1	78EA	63-I40-409	Back Up Ring	1
37	63-IS40S-317	Spring	1	79EB	63-I80-422	Back Up Ring	1
38	63-I40S-402	Lock Nut	1	※	63-IS60SDSK-MZ	Service kit :Index No-	
39	63-I40S-306	Lock Nut	1			17;20B(2);21B(2); 32EA; 45(9); 55;	
40	63-00-2348	Ball Bearing	1			69; 70; 71	
41	63-00-3324	Spring Pin	1	※	63-IS60SDRK-MZ	Repair kit :Index No-	
42	63-I60S-302	Cylinder	1			11(2);12(2);16;22(2);26;34C(2);78EA	
43	63-00-3326	Spring Pin	1	※	63-Pulse Tool Fluid, 125ml	Pulse Tool Fluid (125ml)	
44	63-I60S-303	Rotor	1		63-Pulse Tool Fluid, 1000ml	Pulse Tool Fluid (1000ml)	
※	63-IS60SD-400ASM	Pulse unit : Index No- 10,11,12,13,14,15EA,16,17,18,19B,20B,21B, 22,23B,24EB,25EA,26,27EA,28,29C,30,31,32EA,34C,35C,38, 76C,77C,78EA,79EB					