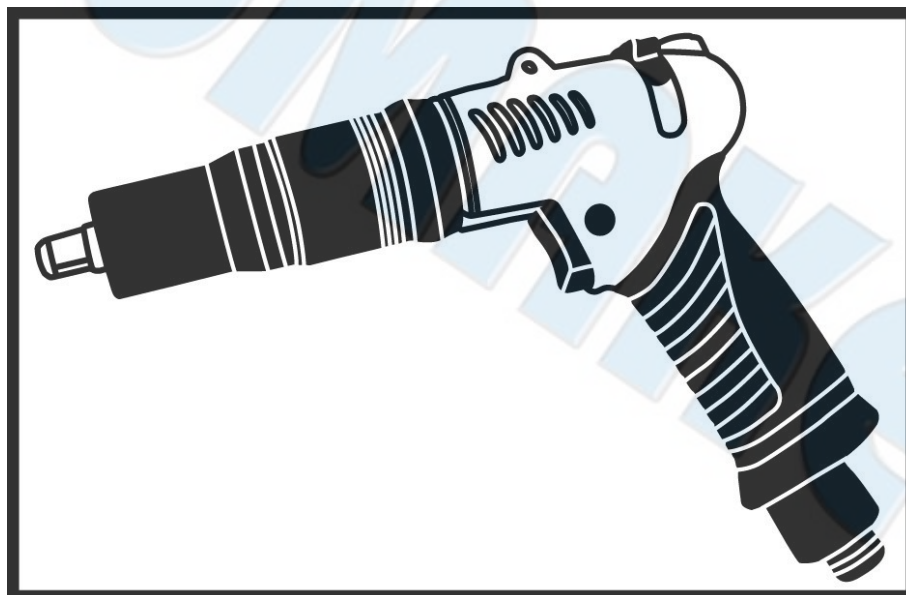




SUMAKE *PNEUMATIC TOOLS*



High Torque Oil Free Pistol Handle Trigger Start Shut Off Composite Wrench-3/8"

Test result according to EN ISO 11148-6:2012

MODEL	Vibration EN ISO 28927-2	Noise : EN ISO 15744		Safety Instructions  Warning
		Sound pressure level	Sound power level	
HWPFH250	No Load: 0.5 m/s ²	No Load: 79 dB(A)	No Load: 90 dB(A)	1- Read this manual and understand all safety instructions before operation the tool. 2- Wear an approved ear-protector and gloves while operating tool.  WARNING  
HWPFH350	No Load: 0.9 m/s ²	No Load: 77 dB(A)	No Load: 88 dB(A)	
HWPFH400	No Load: 0.3 m/s ²	No Load: 79 dB(A)	No Load: 90 dB(A)	
	Uncertainty K= 1.5 m/s ²	Uncertainty K= 3dB		

HWPFH250(350)(400)-S-2406C-MIF

SUMAKE INDUSTRIAL CO., LTD

4F,NO.351,Yangguang St.,Neihu District TAIPEI, TAIWAN, ZIP:114-91

HWPFH-SERIES AIR SCREWDRIVER OPERATION MANUAL

For safety use, Please Follow the instructions. The operation without your local regulations may cause serious injury. Read thoroughly and understand this instruction manual and keep this within reach for future reference.

CLASSIFIED CAPACITY SPECIFICATIONS

Model	Speed	Weight	Length	Diameter	Noise	Air Pressure	Min Air hose Bore	Air Consumption	Torque Range	Standard Deviation	Fastening Capacity	
											Machine Screw	Tapping Screw
	r.p.m.	g	mm	mm	±2dBA	Kg/cm ²	mm	m ³ /min	Kgf-cm	%		
HWPFH250	430	1100	220	42	78	6.0	8.0	0.55	30-250	±3	M5.0-M10.0	M4.0-M8.0
HWPFH350	300	1100	220	42	78	6.0	8.0	0.55	70-350	±3	M6.8-M11.7	M5.3-M9.5
HWPFH400	300	1250	220	42	78	6.0	8.0	0.55	50-400	±3	M6.0-M11.8	M4.7-M9.7

for 3/8"(Square)

* Note : Performance specification @ 6.0kg/cm² (90psi). Output torque adjusts to 50% of maximum rated torque.

FUNCTION INSTRUCTION

1. Bit slide sleeve Pull-type design

Operator can change rapidly the bit by pulling the Bit slide sleeve and this Pull-type design also increase the safety.

2. Torque cover

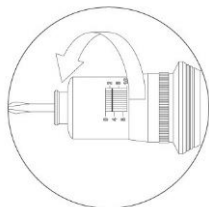
To prevent improper torque adjustment by operator, this up-to-the-date design fixes torque at same standard. Further, for this special structure design, the torque cover is necessary for tool during operation. Due to the safety consideration and to prevent the tool be broken by any impacting, please operate tool as per this instruction manual and note it is prohibitive to operate tool without torque cover.

3. Valve reverse switch

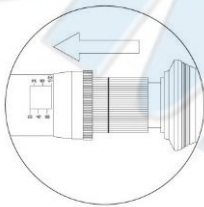
With this friendly Valve reverse switch design, operator can change the motor rotation direction rapidly by adjusting only the Valve reverse switch.

TOOL OPERATION

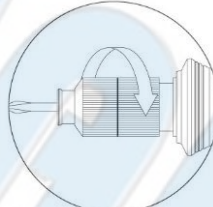
- 1 Check carefully first if the bit fixed in proper position with Pull-type Bit slide sleeve.
- 2 Confirm if the air hose or air pipe is clean and dry.
- 3 Make sure the air hose or air pipe is well connected with air screwdriver.
- 4 Pull the Bit slide sleeve for inserting the bit or for rapidly bit changing. Due to the safety consideration, please make sure the bit is well fixed on tool before operating.
- 5 **Torque Adjustment**
Refer to the below drawing instruction: Release first the Torque cover for torque adjustment, then tighten necessarily the torque cover before operating. For better Torque management, there are also color rings for torque management.



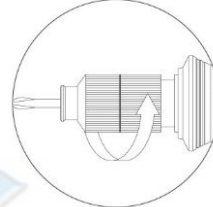
1.Release Torque Cover



2.Drop Torque cover out



3.Tighten to the right:
increase torque.



4.Loosen to the left:
decrease torque

- 6 Push Valve reverse switch for instantly changing of air motor rotation direction. Please stop first the operation then reverse patented both way valve switch to change the rotation direction.
- 7 Air motor will automatically stop when the load reaches at the pre-set torque.
- 8 Trigger-to-Start system eliminates troublesome to press push-to-Start.

Caution : Improper operation may damage the tool.

HWPFH-I-2406C-MI

HWPFH-SERIES AIR SCREWDRIVER OPERATION MANUAL

AIR SUPPLY

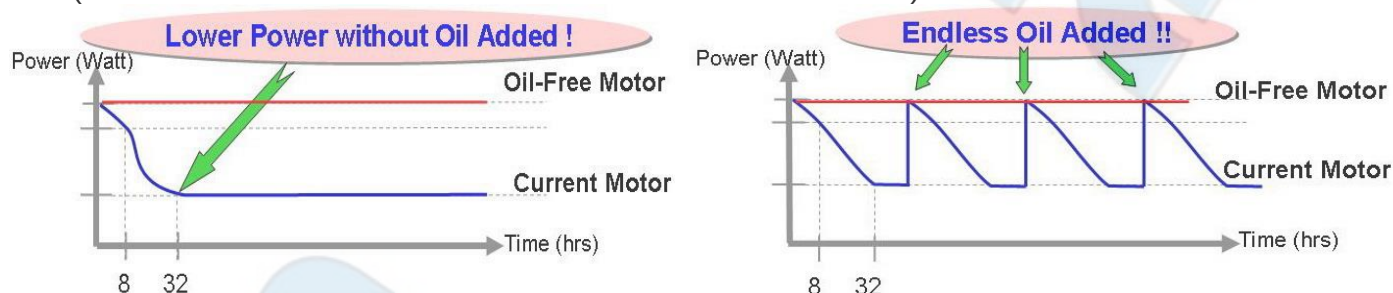
- 1 Air tools are adversely affected by moisture. Since air from compressor contains much moisture and dust, it is desirable to provide a filter in the pipeline to remove such undesirable elements. Also take the drain out from air tank every day.
- 2 When using brand-new air hose or air pipe, blow and clean the air hose or pipe inside before installation.
- 3 Keep air hose or air pipe inside clean to prevent airdrop problem caused by lots of drain and dust accumulated, either to avoid possibly inside diameter smaller problem after long term usage.
- 4 When disconnect air hose from air tool during operation, do not drop air hose end to the floor as dust or other element may get into air hose.
- 5 Use air regulator to keep stable air pressure at 6.0kgf-cm^2 (80~90 psi) at the toll. It is important to get proper air pressure at the toll.
- 6 With high quality Oil-free motor, any moisture or lubrication injection may damage the air screwdriver, please keep tool dry and avoid oil based substances exposing to the products. For avoiding moisture affection, using Air Dryer is necessary in wet area or under moist weather.

TOOL ADVANTAGE

1 High quality Oil-free Motor

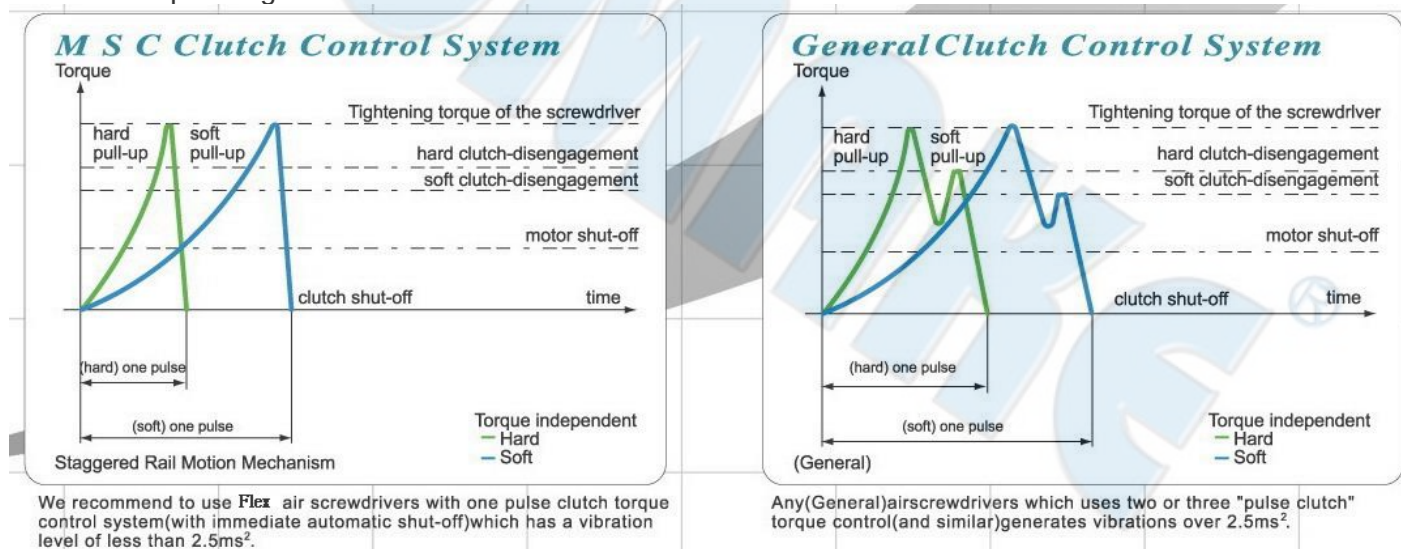
High quality Oil-free Motor is our new design used on high technologic tool. At the beginning operation, the power of Oil-free motor keeps stable at it's top capability without any oil injection, but the power of Current motor decreases till it's lowest capability after 32 hours operating unless oil adding. The high technologic Oil-free motor increases 60% torque and keeps noise as standard 70/72dB which prevents operator and environment from noise damaging and accords with industrial classified tool standard.

(Please refer to the below table about Oil-free and current motor.)



2 CPK value > 1.33

With 3rd generation patented cross-path MSC clutch and special mechanical structure, this air screwdriver accords with ISO5393 B class CPK value Torque deviation request (CPK value > 1.33). This patented one pulse clutch system has also the merits of low vibration (less than 2.5ms), low torque deviation ($\pm 3\%$) and wide torque range.



HWPFH-SERIES AIR SCREWDRIVER OPERATION MANUAL

3 Push-start system

Push-start system is more convenient and with low standard deviation character.

4 All new patented mechanical design and comfort grip material

This new patented mechanical design is 20% lighter than other brand. With the unity sharpening composite grip and best balance design made by thermoplastic elastomer, the H-series straight type tool possess better lasting, wearing-resisting, comfortable grasp and anti-glossy features.

5 Torque fix management system

The outside torque adjustment design let user either adjust the torque rapidly or without using the torque lock nut. To avoid the adjustment by operator, this up-to-the date torque cover design prevent user to change the torque at will. Also, with long-resisting Steel Torque Cover as an accessory gives user an easily visible torque marking system at a glance for all the H-series straight type air tools.

6 Speediness

Operator can change rapidly the bit by pulling the bit head (refer to Tool Operation #4).

USING CAUTION

- 1** Please note improper operating may damage the tool.
- 2** Due to the safety consideration, please make sure tool is completely under control before and during operation.
- 3** Changing the rotation direction at will without stopping first the operation may damage the motor or reduce the usage term. Please note it is prohibited to change the rotation direction during operation, the proper operating method is stop first the operation, then change the rotation direction by pushing the Valve reverse switch.
- 4** The air screwdriver can be damaged by accidental falls or impacts. Due to the safety consideration, please hold the tool carefully or use the hook to prevent the tool dropping down.
- 5** Any moisture or lubrication injection may damage the air screwdriver, please keep tool dry and avoid oil based substances exposing to the products. For avoiding moisture affection, using Air Dryer is necessary in wet area or under moist weather.



EC DECLARATION OF CONFORMITY

We: **SUMAKE INDUSTRIAL CO., LTD.**

4F, No. 351, Yangguang St., Neihu District, Taipei City, Taiwan

declare in sole responsibility that the equipment

Equipment : **HIGH TORQUE OIL FREE PISTOL HANDLE TRIGGER START
SHUT OFF COMPOSITE WRENCH-3/8"**

Model/ Serial No. : **HWPFH250(350)(400)**

to which this declaration applies, complies with these normative documents:

- Machinery Directive: 2006/42/EC

and conforms to the following EN standard,

- EN ISO 12100: 2010
- EN ISO 11148-6:2012

Name and Signature/Position

Mike Su – Managing Director

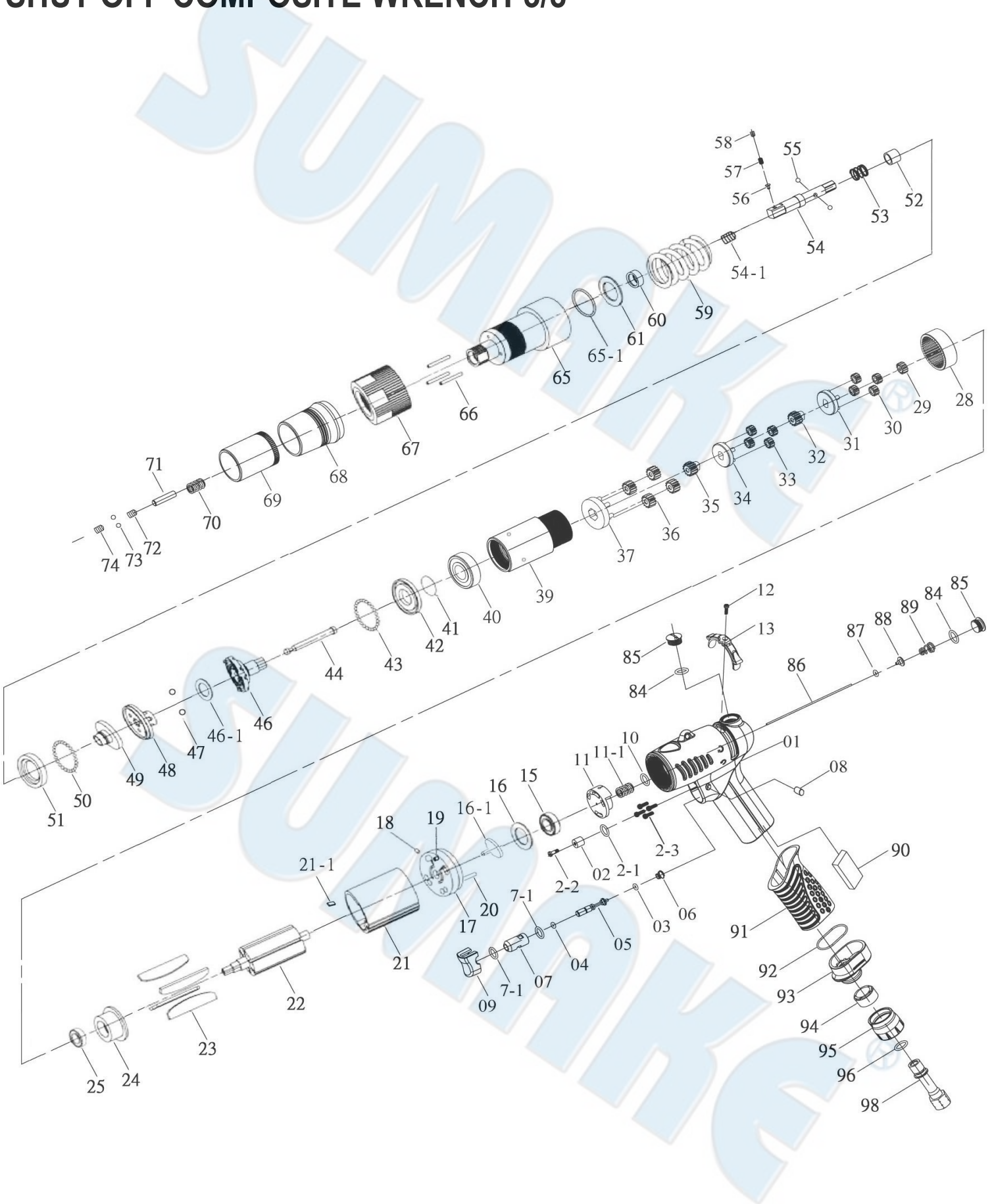
Date and Place

2024/5/2

Taipei, Taiwan

HWPFH250(350)(400)-S-2406C-MIF

HIGH TORQUE OIL FREE PISTOL HANDLE TRIGGER START SHUT OFF COMPOSITE WRENCH-3/8"



HWPFH350

HIGH TORQUE OIL FREE PISTOL HANDLE TRIGGER START SHUT OFF COMPOSITE WRENCH-3/8"

PARTS LIST

No.	Parts No.	Description	Q'ty	No.	Parts No.	Description	Q'ty
1	5L2100	Pistol Housing (Grey)	1	44	3S5001	Pilot Pin	1
2	2C2002	Blank Cap	1	46	3S6676	Rear Clutch	1
2-1	7Q2008	O Ring	1	46-1	2S5158	Washer	1
2-2	7S2106-1	Screw	1	47	7S2412	Ball	2
2-3	7S2156	Screw	4	48	3S6778	Center Clutch	1
3	7Q2007	O Ring	1	49	3S6934	End Clutch	1
4	7Q6112	Valve O-Ring	1	50	7S2102	Ball	27
5	6S2023	Valve Pin	1	51	3S5235	Ball Race	1
6	6N2106	Cone Spring	1	52	3S2226	Slide Base	1
7	6S2024	Valve Bushing	1	53	6N5110	Spring	1
7-1	7Q2009	O-Ring	2	54	3S7130	Anvil	1
8	5L2116	Cap (Black)	2	54-1	7S2159	Screw	1
9	5L2701	Button (Black)	1	55	7S2105	Ball	2
10	7Q2011	Valve O-Ring	1	56	7S5200	Iron Pad	1
11	6S6104	Valve	1	57	6N2129	Spring	1
11-1	6N5006	Spring	1	58	7S2155	Screw	1
12	7S2107	Set Screw And Washer	1	59	6N3052	Torque Spring	1
13	2L6026	Switch (Iron)	1	60	3S2116	Bushing	1
15	7S5001	Ball Bearing	1	61	2S5243	Washer	1
16	2S2210	Washer	1	65	3S6141	Angle Clutch Housing	1
16-1	6S5115	Rotor Plug	1	65-1	2Q2004	O Ring	1
17	1S6018-A	End Plate	1	66	6S2011	Needle Pin	3
18	7S5201	Roll pin	1	67	3A6007	Torque Ring	1
19	7S2205	Pin (2x5)	1	68	5A3212	Housing Cap	1
20	6S2012	Needle Pin	1	69	5A6506	Torque Cover	1
21	1P6005	Cylinder	1	70	6N6001	Spring	1
21-1	2S2023	Key	1	71	7S8001	Tappet	1
22	1S6034-TE	Rotor	1	72	7S2159	Screw	1
23	1P6049	Oil-Free Blade	4	73	7S2102	Ball	2
24	1P3012	Front Plate	1	74	7S2159	Screw	1
25	7S2031	Ball Bearing	1	84	2Q5001	O Ring	2
28	1S2062	Internal Gear	1	85	2S2011	Screw Cap	2
29	1P2274	18T Main Gear	1	86	6S6010	Operating Rod	1
30	1P2110	12T Plate Gear	4	87	7Q2006	O Ring	1
31	1P2280	Third Gear Cage	1	88	6S2021	Valve Plate	1
32	1G6090	14T Main Gear	1	89	6N2107	Cone Spring	1
33	1P6130	14T Plate Gear	4	90	2P3040	Silencer	1
34	1P2295	Fourth Gear Cage	1	91	5L2204	Pistol Cover (Black)	1
35	1G6086	10T Main Gear	1	92	2Q2003	O Ring	1
36	1P6120	15T Plate Gear	4	93	2P3029	Base For Pistol	1
37	1P3283	Fifth Gear Cage	1	94	2P3030	Silencer	1
39	4V1025	Center Housing	1	95	2P3032	Silencer For Pistol	1
40	7S6503	Ball Bearing	1	96	2Q5001	O Ring	1
41	6N2006	C Ring	1	98	2S2068	Air Inlet Bushing [PT]	1
42	2S6106	Retainer	1		2S2069	Air Inlet Bushing [NPT]	1
43	7S2102	Ball	30				