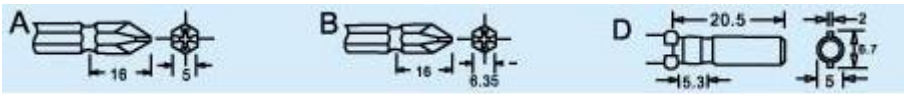
※Specifications

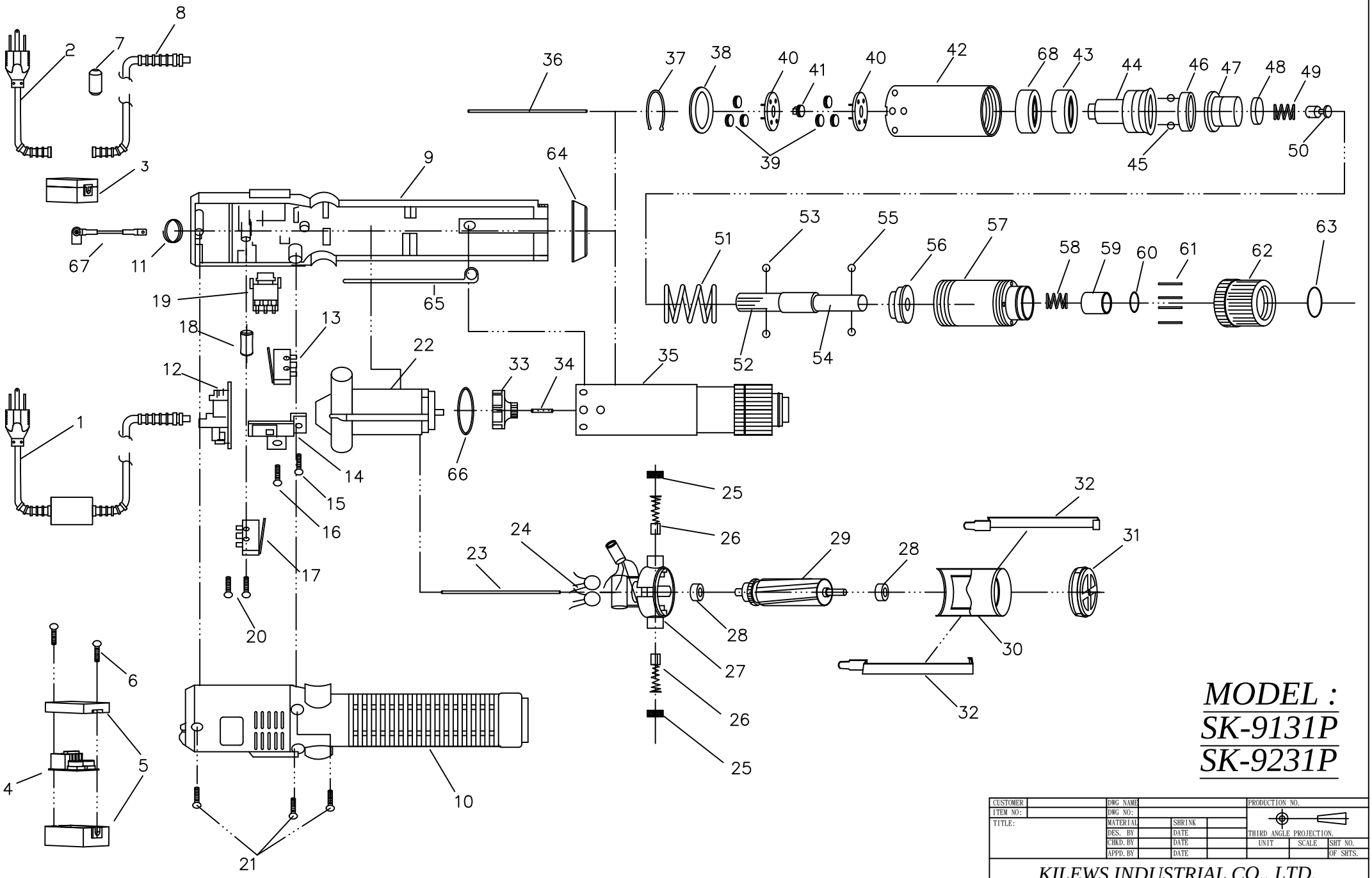
MODEL		SK-9131P	SK-9131PF	SK-9231P	SK-9231PF
Input voltage(AC)		AC 110V~120V 50Hz / 60Hz		AC 220V~240V 50Hz / 60Hz	
Rated power		60W			
Torque	(kgf.cm)	5~20	5~13	5~20	5~13
	(Lbf.in)	4.34~17.35	4.34~11.24	4.34~17.35	4.34~11.24
	(N.m)	0.49~1.96	0.49~1.27	0.49~1.96	0.49~1.27
Torque Accuracy (%)		±3%			
Torque Adjustment		Step less			
Unloaded Rotation Speed(r.pm)±10%		1000	2000	1000	2000
Non-power Consumption (A)		0.3A	0.3A	0.2A	0.2A
Metal assembly screw	Machine screw(mm)	2.6~4.0	2.0~3.5	2.6~4.0	2.0~3.5
	Tapping screw(mm)	2.6~3.5	2.0~3.0	2.6~3.5	2.0~3.0
Weight (g)		620			
Length (mm)		264			
Model of Torque Fixing Ring		KC-2			
Model of Suspension Rack		KH-3、(KC & KH-1)			
Bit Type		 HEX 5mm, HEX 6.35mm Ø5mm			

* 1N.m=10.2Kgf.cm 1N.m=8.85Lbf.in

※Accessories

1. BIT Type： No. 00 · · · Bit use in dia 1.3~1.8mm screw
   No. 0 · · · · Bit use in dia 1.8~2.0mm screw
   No. 1 · · · · Bit use in dia 2.0~2.6mm screw
   No. 2 · · · · Bit use in dia 3.0~4.0mm screw

   SK-9131P；SK-9231P with BIT 1# & 2# 1 Pce. Each
   SK-9131PF；SK-9231PF with BIT 1# & 2# 1 Pce. Each
2. Suspension rack and Torque fixing ring acceptable for use with the tool are available from KILEWS catalogue.

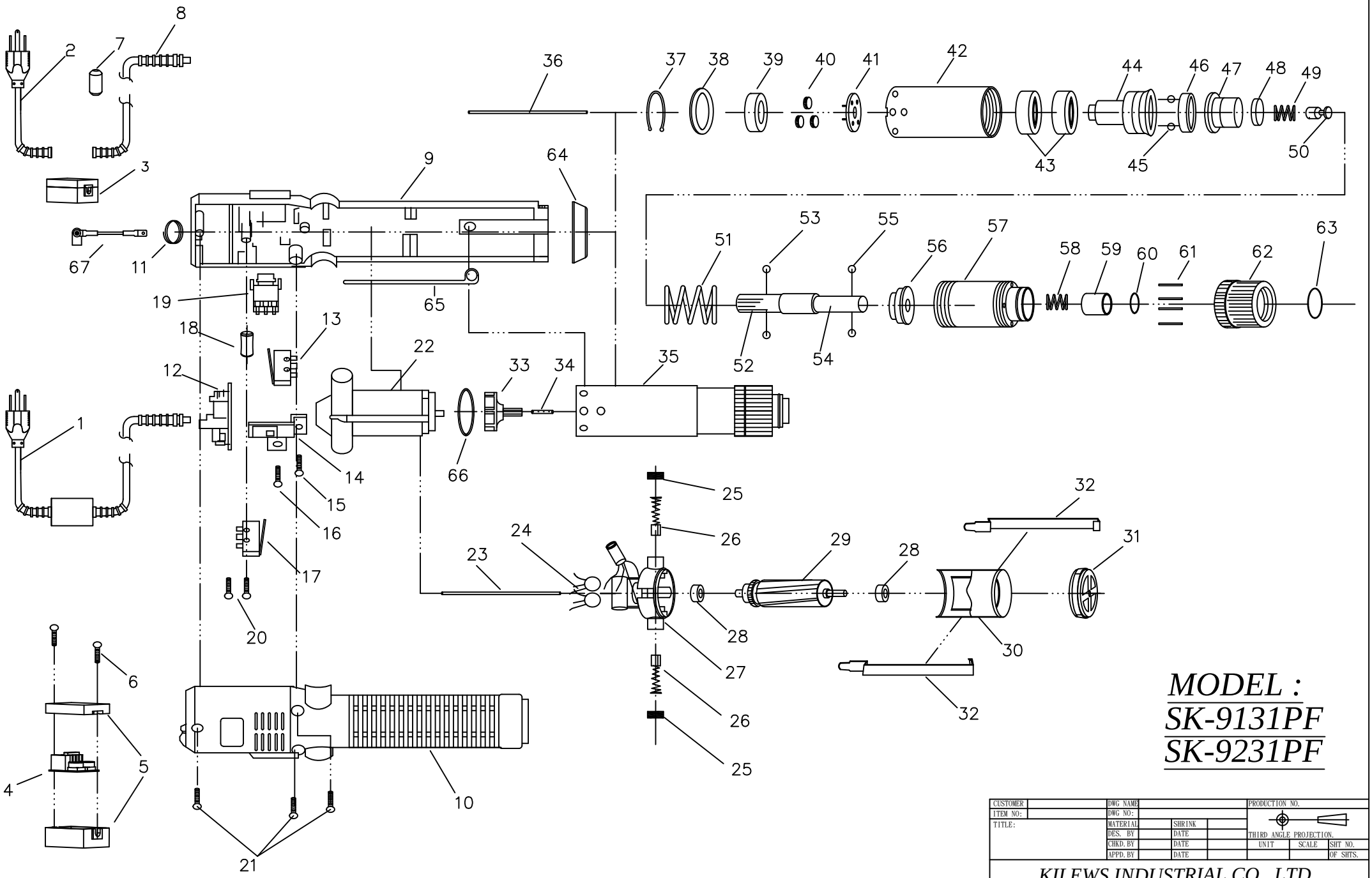


MODEL :
SK-9131P
SK-9231P

CUSTOMER		DWG NAME				PRODUCTION NO.	
ITEM NO:		DWG NO:					
TITLE:		MATERIAL		SHRINK		THIRD ANGLE PROJECTION.	
		DES. BY		DATE			
		CHKD. BY		DATE		UNIT / SCALE	SHT NO.
		APPD. BY		DATE			OF SHTS.

KILEWS INDUSTRIAL CO.. LTD.

NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty	NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty
1	AC30001	Cord Assy-AMERICA Plug	電源線整組 美規	1	31	MB21521A	MOTOR END COVER	馬達前蓋	1
	AF30001	Cord Assy-EUROPE Plug	電源線整組 歐規	1	32	MA21491B	ASSEMBLING SPRING FOR	馬達固定鐵片	2
	AG30001	Cord Assy-BRITISH Plug	電源線整組 英規	1	33	MK21111	FAN	風扇	1
	AJ30001	Cord Assy-INDIA Plug	電源線整組 印規	1	34	MG91081	PILOT ROD	陶瓷棒	1
	AD30001-6	Cord Assy-AUSTRALIA Plug	電源線整組 澳規	1	35	GZ90091A	CLUTCH ASSEMBLY FOR "A"	離合器整組 (A)	1
2	AA30007-1	Cord 1FT with AMERICA Plug	1呎長電源線 美規	1		GZ90091B	CLUTCH ASSEMBLY FOR"B"	離合器整組 (B)	1
	AA30007-2	Cord 1FT with EUROPE Plug	1呎長電源線 歐規	1		GZ90091AD	CLUTCH ASSEMBLY FOR "AD"	離合器整組 (AD)	1
	AA30007-5	Cord 1FT with BRITISH Plug	1呎長電源線 英規	1	36	MI90201	PILOT ROD	開關引導棒	1
	AA30007-5E	Cord 1FT with INDIA Plug	1呎長電源線 印規	1	37	GK21181	"C" RING	齒輪固定 C環	1
	AA30007-1D	Cord 1FT with AUSTRALIA Plug	1呎長電源線 澳規	1	38	GI21191	IRON WASHER	齒輪固定片	1
3	EJ30002-2	EMC-BOX ASSEMBLY	EMC盒成品	1	39	GH20241	IDLE GEAR	游星齒輪	6
4	EG30005-3	P.C.B	PC板	1	40	GG21231	GEAR SEAT	齒盤	2
5	EC30006	EMC-BOX CASE ONLY	EMC盒 上下蓋	1	41	G20102	CENTRAL GEAR	中心齒	1
6	CH90152-1F	SCREW	螺絲	2	42	GA21241	GEAR CASE	上離合器筒	1
7	ED30004	FILTER	電磁夾	1	43	GN21251	MAIN BEARING	離合器主軸承	1
8	AA30009-1T	CORD 9"	9呎長電源線	1	44	GX90303	SHAFT GUIDE	上離合器頭	1
9	CB90011-1A	HOUSING-UNDERSIDE(ORANGE)	下蓋 (橙)	1	45	GP30351	STEEL BALLS	跳脫鋼珠	2
10	CA90181-1A	HOUSING-UPSIDE FOR (ORANGE)	上蓋 (橙)	1	46	GW21532	IRON RING	鐵墊圈	1
11	CJ20011	SUSPENSION RING	起子吊環	1	47	GF90321-1	WARING PLATE	扭力推盤	1
12	EG90111	CONTROL BOARD FOR "9131P"	PC板(9131P)	1	48	GV90331	INNER SPRING CAP	內彈簧蓋	1
	EG90112	CONTROL BOARD FOR "9231P"	PC板(9231P)	1	49	GO90341	INNER SPRING	下壓式內彈簧	1
13	HB91061	START SWITCH	啟動開關	1	50	GU30370	STOP PILOT	停止用酒杯	1
14	CE90101-1	SWITCH BASE	三合一開關架半成品	1	51	GE90361-2	WRING SPRING	扭力彈簧	1
15	CH90121	SCREW	螺絲	1	52	GD91402	SHAFT	六角軸	1
16	CH90131	SCREW	螺絲	1	53	GP30351	STELL BALLS 4mm	酒杯鋼珠(4mm)	2
17	HB30061	SHUT OFF SWITCH	停止開關	1	54	GT91401A	BIT HOLDER FOR "A"TYPE	起子頭(A)	1
18	E31908	BRAKE RESISTOR FOR 9131P	剎車電阻(阻抗)-9131P	1		GT91401C	BIT HOLDER FOR "B"TYPE	起子頭(B)	1
	E31908-4	BRAKE RESISTOR FOR 9231P	剎車電阻(阻抗)-9231P	1		GT91401AD	BIT HOLDER FOR "AD"TYPE	起子頭(AD)	1
19	HA90171	CHANGEOVER SWITCH	正反開關	1	55	GP21291A	BIT PILOT FOR "A;AD"TYPE	起子頭帽鋼珠(A;AD)	2
20	CH90151-1	SCREW	螺絲	2		GP21291B	BIT PILOT FOR "B"TYPE	起子頭帽鋼珠(B)	2
21	CH20102	SCREW	螺絲	3	56	GY21321	WRING SPRING BASE	止推盤	1
22	MO90051	MOTOR ASSEMBLY FOR "9131P"	馬達整組(9131P)	1	57	GB21331	CLUTCH CASE	下離合器筒	1
	MO90052	MOTOR ASSEMBLY FOR "9231P"	馬達成品 9231P	1	58	GO21341	BIT SPRING	起子頭帽彈簧	1
23	MI90481	PILOT ROD	開關引導棒	1	59	GJ21351	BIT SLEEVE	起子頭帽	1
24	EB33610-2	CERAMICS CAPACITOR	陶瓷電容	2	60	GQ21361	"C" RING	起子頭帽 C環	1
25	MD20151	BRUSH CAP	碳刷蓋	2	61	GL21371	TORQUE ADJUST PING	扭力調整棒	4
26	MC21411	CARBON FOR "9131P"	碳刷(9131P)	2	62	GM21381	TORQUE ADJUST RING	扭力調整環	1
	MC20161	CARBON FOR"9231P"	碳刷(9231P)	2	63	GS21391	"C"RING	扭力環 C環	1
27	ML90531	MOTOR TOP COVER FOR "9131P"	碳刷座(9131P)	1	64	CD21031	COUPLER	前鎖環	1
	ML90532	MOTOR TOP COVER FOR "9231P"	碳刷座(9231P)	1	65	CH30671-1	GROUNDING MEANS	接地線	1
28	ME21481	ARMATURE BEARING	馬達軸承	2	66	MF90061	INSULATE WASHER	墊圈	1
29	MH90571	ARMATURE FOR "9131P"	電樞(9131P)	1	67	P12104	3cm RETAINING CLIP	三公分固定線	1
	MH90572	ARMATURE FOR "9231P"	電樞(9231P)	1	68	GN30442	MAIN BEARING	離合器主軸承	1
30	MJ90601A	MOTOR YOKE ASSEMBLY	馬達鐵圈連磁鐵	1					



MODEL :
SK-9131PF
SK-9231PF

CUSTOMER		DWG NAME				PRODUCTION NO.	
ITEM NO:		DWG NO:					
TITLE:		MATERIAL		SHRINK		THIRD ANGLE PROJECTION.	
		DES. BY		DATE		UNIT	SCALE	SHT NO.
		CHKD. BY		DATE				OF SHTS.
		APPD. BY		DATE				

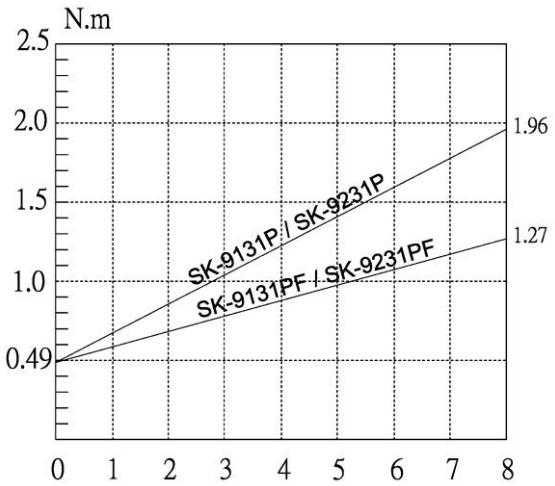
KILEWS INDUSTRIAL CO.. LTD.

NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty	NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty
1	AC30001F	Cord Assy-AMERICA Plug	電源線整組 美規	1	30	MJ90601A	MOTOR YOKE ASSEMBLY	馬達鐵圈連磁鐵	1
	AF30001F	Cord Assy-EUROPE Plug	電源線整組 歐規	1	31	MB21521A	MOTOR END COVER	馬達前蓋	1
	AG30001F	Cord Assy-BRITISH Plug	電源線整組 英規	1	32	MA21491B	ASSEMBLING SPRING FOR	馬達固定鐵片	2
	AJ30001F	Cord Assy-INDIA Plug	電源線整組 印規	1	33	MK21111PF	FAN	風扇	1
	AD30001-6F	Cord Assy-AUSTRALIA Plug	電源線整組 澳規	1	34	MG30081-1	PILOT ROD	陶瓷棒	1
2	AA30007-1	Cord 1FT with AMERICA Plug	1呎長電源線 美規	1	35	GZ90091AF	CLUTCH ASSEMBLY FOR "LFA"	離合器整組 (LFA)	1
	AA30007-2	Cord 1FT with EUROPE Plug	1呎長電源線 歐規	1		GZ90091BF	CLUTCH ASSEMBLY FOR"LFB"	離合器整組 (LFB)	1
	AA30007-5	Cord 1FT with BRITISH Plug	1呎長電源線 英規	1		GZ90091ADF	CLUTCH ASSEMBLY FOR "LFAD"	離合器整組 (LFAD)	1
	AA30007-5E	Cord 1FT with INDIA Plug	1呎長電源線 印規	1	36	MI90201	PILOT ROD	開關引導棒	1
	AA30007-1D	Cord 1FT with AUSTRALIA Plug	1呎長電源線 澳規	1	37	GK21181	"C" RING	齒輪固定 C環	1
3	EJ30002-5	EMC-BOX ASSEMBLY	EMC盒成品	1	38	GI21191	IRON WASHER	齒輪固定片	1
4	EG30005	P.C.B	PC板	1	39	G21301	SPACER	快速墊圈	1
5	EC30006	EMC-BOX CASE ONLY	EMC盒 上下蓋	1	40	GH21221-1	IDLE GEAR	游星齒輪	3
6	CH90152-1F	SCREW	螺絲	2	41	GG21231-1	GEAR SEAT	齒盤	1
7	ED30004	FILTER	電磁夾	1	42	GA21241	GEAR CASE	上離合器筒	1
8	AA30009-1T	CORD 9"	9呎長電源線	1	43	GN21251	MAIN BEARING	離合器主軸承	2
9	CB90011-1A	HOUSING-UNDERSIDE(ORANGE)	下蓋 (橙)	1	44	GX90303	SHAFT GUIDE	上離合器頭	1
10	CA90181-1A	HOUSING-UPSIDE FOR (ORANGE)	上蓋 (橙)	1	45	GP30351	STEEL BALLS	跳脫鋼珠	2
11	CJ20011	SUSPENSION RING	起子吊環	1	46	GW21532	IRON RING	鐵墊圈	1
12	EG90111	CONTROL BOARD FOR "9131P"	PC板(9131P)	1	47	GF90321-1	WARING PLATE	扭力推盤	1
	EG90112	CONTROL BOARD FOR "9231P"	PC板(9231P)	1	48	GV90331	INNER SPRING CAP	內彈簧蓋	1
13	HB91061	START SWITCH	啟動開關	1	49	GO90341	INNER SPRING	下壓式內彈簧	1
14	CE90101-1	SWITCH BASE	三合一開關架半成品	1	50	GU30370	STOP PILOT	停止用酒杯	1
15	CH90121	SCREW	螺絲	1	51	GE90361-4	WRING SPRING	扭力彈簧	1
16	CH90131	SCREW	螺絲	1	52	GD91402	SHAFT	六角軸	1
17	HB30061	SHUT OFF SWITCH	停止開關	1	53	GP30351	STELL BALLS 4mm	酒杯鋼珠(4mm)	2
18	E31908	BRAKE RESISTOR FOR 9131P	剎車電阻(阻抗)-9131P	1	54	GT91401A	BIT HOLDER FOR "A"TYPE	起子頭(A)	1
	E31908-4	BRAKE RESISTOR FOR 9231P	剎車電阻(阻抗)-9231P	1		GT91401C	BIT HOLDER FOR "B"TYPE	起子頭(B)	1
19	HA90171	CHANGEOVER SWITCH	正反開關	1		GT91401AD	BIT HOLDER FOR "AD"TYPE	起子頭(AD)	1
20	CH90151-1	SCREW	螺絲	2	55	GP21291A	BIT PILOT FOR "A;AD"TYPE	起子頭帽鋼珠(A;AD)	2
21	CH20102	SCREW	螺絲	3		GP21291B	BIT PILOT FOR "B"TYPE	起子頭帽鋼珠(B)	2
22	MO90051	MOTOR ASSEMBLY FOR "9131P"	馬達整組(9131P)	1	56	GY21321	WRING SPRING BASE	止推盤	1
	MO90052	MOTOR ASSEMBLY FOR "9231P"	馬達成品 9231P	1	57	GB21331	CLUTCH CASE	下離合器筒	1
23	MI90481	PILOT ROD	開關引導棒	1	58	GO21341	BIT SPRING	起子頭帽彈簧	1
24	EB33610-2	CERAMICS CAPACITOR	陶瓷電容	2	59	GJ21351	BIT SLEEVE	起子頭帽	1
25	MD20151	BRUSH CAP	碳刷蓋	2	60	GQ21361	"C" RING	起子頭帽 C環	1
26	MC21411	CARBON FOR "9131P"	碳刷(9131P)	2	61	GL21371	TORQUE ADJUST PING	扭力調整棒	4
	MC20161	CARBON FOR"9231P"	碳刷(9231P)	2	62	GM21381	TORQUE ADJUST RING	扭力調整環	1
27	ML90531	MOTOR TOP COVER FOR "9131P"	碳刷座(9131P)	1	63	GS21391	"C"RING	扭力環 C環	1
	ML90532	MOTOR TOP COVER FOR "9231P"	碳刷座(9231P)	1	64	CD21031	COUPLER	前鎖環	1
28	ME21481	ARMATURE BEARING	馬達軸承	2	65	CH30671-1	GROUNDING MEANS	接地線	1
29	MH90571	ARMATURE FOR "9131P"	電樞(9131P)	1	66	MF90061	INSULATE WASHER	墊圈	1
	MH90572	ARMATURE FOR "9231P"	電樞(9231P)	1	67	P12104	3cm RETAINING CLIP	三公分固定線	1

※Torque Adjustment Operation

To adjust the torque on these screwdrivers. Proceed as follows :

1. Determine the torque output of the tool by checking a tightened Fastener with a torque wrench.
2. Increase or decrease the torque by rotating the Spring Adjusting Ring. Rotating the Ring clockwise to a higher number on the torque Scale increase torque output while rotating the Ring counterclockwise to a lower number decreases the torque output.
3. Check the adjustment with a torque wrench. A number of factors will affect torque output from one job to another. Final torque adjustment should be made at the job through a of series of gradual increase. Always start below the desired torque and work upward.
4. Adjust the bit torque by changing the driving in length of the adjust ring at the end.
5. The relationship between torque scale and bit torque is as shown Ring, in the torque diagram. The figures of torque scale do not indicate bit torque values. However, the clamping torque of screw itself is different form type, size, material of the screw and the material of its mating part. Use it as standard to obtain an appropriate clamping torque.
6. The (Return torque method) in which once-clamped screw is returned with torque wrench or the like is available as one of torque control methods however, note that the measured values by the return torque method generally appear in 10%~30% lower than the actually clamping torque.
7. The torque checker measures the torque of screwdriver. The clamping torque of screw itself is different from the clamped conditions. Understand the correlation between clamping torque values and the torque checker values perform the torque control properly.



CAUTION

1. Also in reverse rotation, the clutch is turned off in such manner as in normal rotation, stopping the motor running. Accordingly, when the screw tightened at a large torque, set it to a higher torque scale.
2. The number from zero to eight on the Torque Scale are reference number only and not an indication of actual torque output.

RoHS

Equipment name: Electric screwdriver

Type designation (Type): SK-9131P,SK-9131PF

Unit	Restricted substances and its chemical symbols					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr^{+6})	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Housing	○	○	○	○	○	○
Switch line	○	○	○	○	○	○
MOTOR ASSEMBLY	○	○	○	○	○	○
Gear Housing	○	○	○	○	○	○
CORD ASSEMBLY	○	○	○	○	○	○