Specifications

MODEL		SK-9131L	SK-9131LF	SK-9231L	SK-9231LF
Input voltage(AC)		AC 110~120V 50 / 60HZ		AC 220~240V 50 / 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			

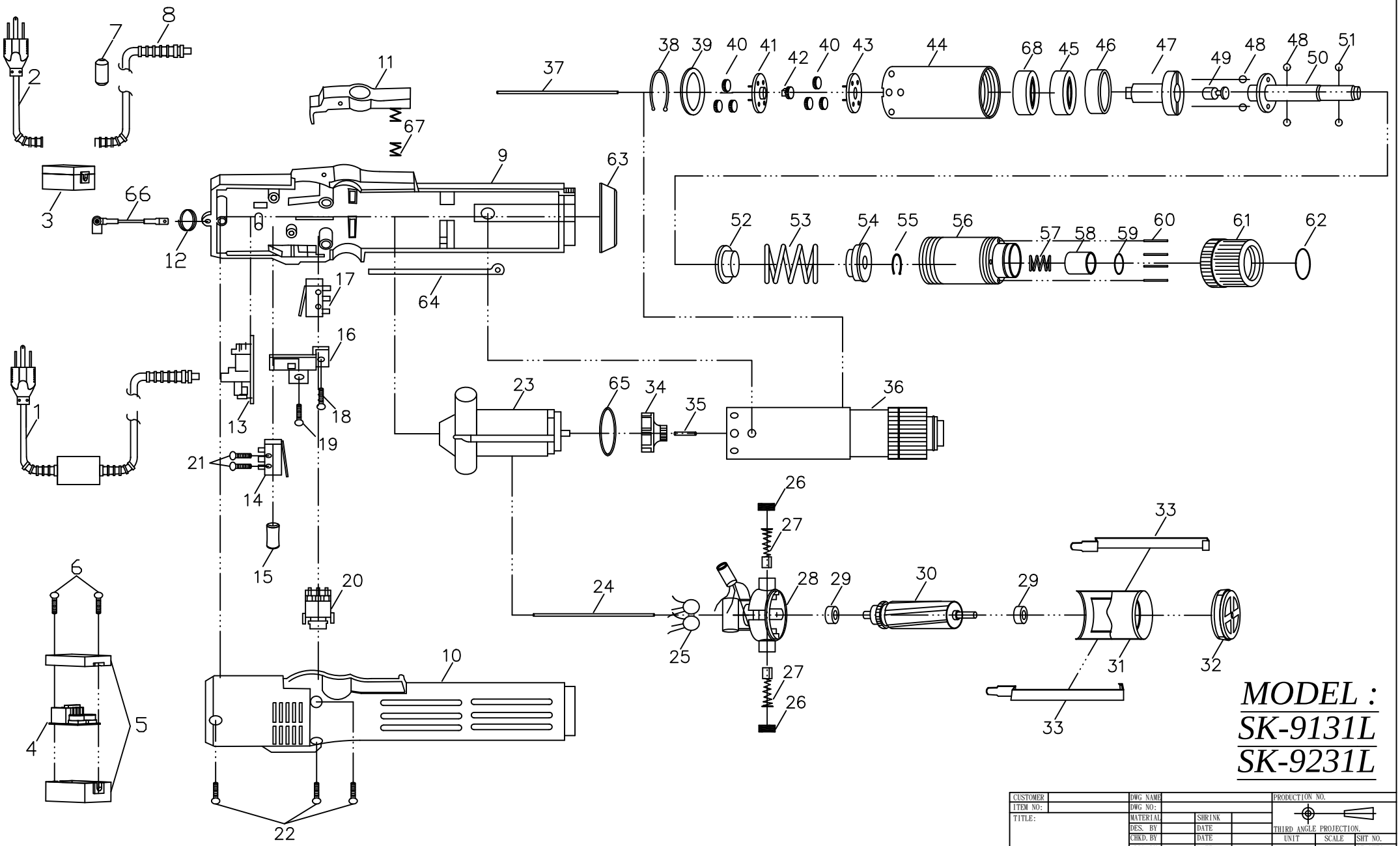
* 1N.m=10.2Kgf.cm 1N.m=8.85Lbf.in

Accessories

1. ＢＩＴ Type： No. 00 ・・・ Bit use in dia 1.3~1.8mm screw
No. 0・・・・ Bit use in dia 1.6~2.0mm screw
No. 1・・・ ・Bit use in dia 2.0~2.6mm screw
No. 2・・ ・・Bit use in dia 3.0~4.0mm screw

SK-9131L ；SK-9231L with BIT 1# & 2# 1 Pce. Each
SK-9131LF；SK-9231LF 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.

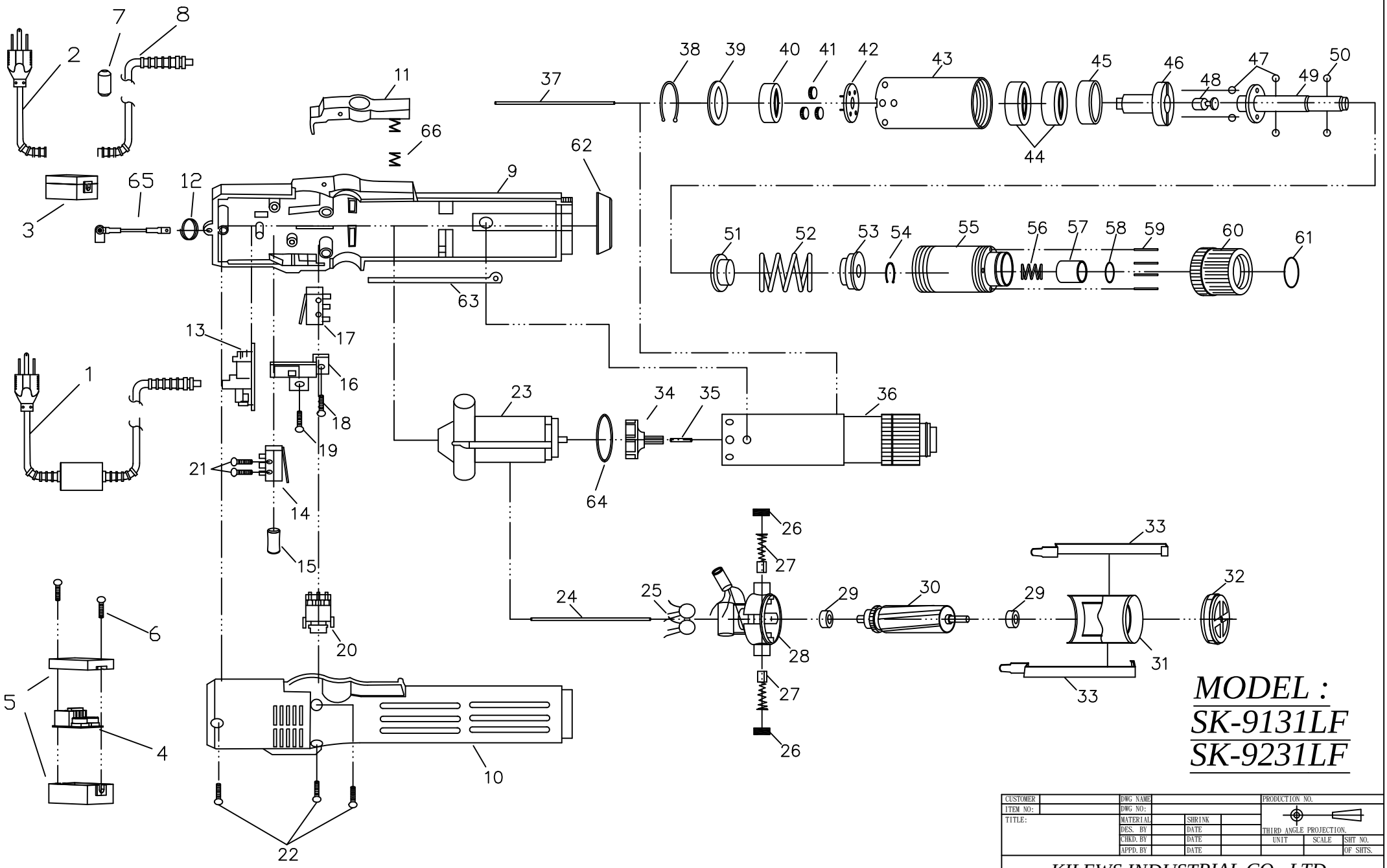


MODEL :
SK-9131L
SK-9231L

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-US Plug	電源線整組 美規	1	32	MB21521A	MOTOR END COVER	馬達前蓋	1
	AF30001	Cord Assy-EUROPE Plug	電源線整組 歐規	1	33	MA21491B	ASSEMBLING SPRING	馬達固定鐵片	2
	AG30001	Cord Assy-BRITISH Plug	電源線整組 英規	1	34	MK21111	FAN	風扇	1
	AJ30001	Cord Assy-INDIA Plug	電源線整組 印規	1	35	MG91081	PILOT ROD	陶瓷棒	1
	AD30001-6	Cord Assy-AUSTRALIA Plug	電源線整組 澳規	1	36	GZ31091A	CLUTCH ASSEMBLY FOR 9131LA	離合器整組 9131LA	1
2	AA30007-1	Cord 1 ft with US Plug	1呎長電源線 美規	1		GZ31091B	CLUTCH ASSEMBLY FOR 9131LB	離合器整組 9131LB	1
	AA30007-2	Cord 1FT with EUROPE Plug	1呎長電源線 歐規	1		GZ31091-1AD	CLUTCH ASSEMBLY FOR 9131LAD	離合器整組 9131LAD	1
	AA30007-5	Cord 1FT with BRITISH Plug	1呎長電源線 英規	1	37	MI31221	PILOT ROD	開關引導棒	1
	AA30007-5E	Cord 1FT with INDIA Plug	1呎長電源線 印規	1	38	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	39	GI21191	IRON WASHER	齒輪固定片	1
3	EJ30002-2	EMC-BOX ASSEMBLY	EMC盒成品	1	40	GH20241	IDLE GEAR	游星齒輪	6
4	EG30005-3	P.C.B	PC板	1	41	GG21231	GEAR SEAT	上齒盤	1
5	EC30006	EMC-BOX CASE ONLY	EMC盒 上下蓋	1	42	G20102	CENTRAL GEAR	中心齒	1
6	CH90152-1F	SCREW	螺絲	2	43	GG21231	GEAR SEAT	下齒盤	1
7	ED30004	FILTER	電磁夾	1	44	GA21241	GEAR CASE	上離合器筒	1
8	AA30009-1T	CORD 9"	9呎長電源線	1	45	GN21251	MAIN BEARING	離合器主軸承	1
9	CB31031-1A	HOUSING-UNDERSIDE(ORANGE)	下蓋 (橙)	1	46	GW21531	IRON RING	鐵墊圈	1
10	CA31201-1A	HOUSING-UPSIDE FOR (ORANGE)	上蓋 (橙)	1	47	GC31321A	CAM	上離合器頭	1
11	CC21011-3A	TRIGGER	手按開關桿	1	48	GP30351	STELL BALLS(4mm)	跳脫&酒杯鋼珠(4mm)	5
12	CJ20011	SUSPENSION RING	起子吊環	1	49	GU30370	STOP PILOT "A&AD"	酒杯 (A&AD)	1
13	EG31131	CONTROL BOARD FOR "110V"	PC板(110V)	1		GU30371	STOP PILOT "B"	酒杯 (B)	1
	EG32132	CONTROL BOARD FOR "220V"	PC板(220V)	1	50	GD31351A-1	SHAFT "A"	傳動軸 (A)	1
14	HB91061	START SWITCH	啟動開關	1		GD31353B-2	SHAFT "B"	傳動軸 (B)	1
15	E31908	BRAKE RESISTOR FOR 110V	剎車電阻(阻抗)-110V	1		GD31351AD-1	SHAFT "AD"	傳動軸 (AD)	1
	E31908-4	BRAKE RESISTOR FOR 220V	剎車電阻(阻抗)-220V	1	51	GP21291A	BIT PILOT "A&AD"	起子頭帽鋼珠(A&AD)頭用	2
16	CE90101-1	SWITCH BASE	三合一開關架	1		GP21291B	BIT PILOT "B"	起子頭帽鋼珠 (B)頭用	2
17	HB30061	SHUT OFF SWITCH	停止開關	1	52	GF31371	WARING PLATE "A&AD"	扭力推盤 (A&AD)	1
18	CH90121	SCREW	螺絲	1		GF31372	WARING PLATE "B"	扭力推盤 (B)	1
19	CH90131	SCREW	螺絲	1	53	GE90361	WARING SPRING	扭力彈簧	1
20	HA90171	CHANGEOVER SWITCH	正反開關	1	54	GY31391	WARING SPRING BASE "A&AD"	止推盤 (A&AD)	1
21	CH90151-1	SCREW	螺絲	2		GY21321	WARING SPRING BASE "B"	止推盤 (B)	1
22	CH20102	SCREW	螺絲	3	55	GK20231B	"C"RING "A&AD"	傳動軸 C環 (A&AD)	1
23	MO90051	MOTOR ASSEMBLY FOR "110V"	馬達整組(110V)	1	56	GB21331-1	CLUTCH CASE	下離合器筒	1
	MO90052	MOTOR ASSEMBLY FOR "220V"	馬達整組(220V)	1	57	GO21341	BIT SPRING	起子頭帽彈簧	1
24	MI31611	PILOT ROD	開關引導棒	1	58	GJ21351	BIT SLEEVE	起子頭帽	1
25	EB33610-2	CERAMICS CAPACITOR	陶瓷電容	2	59	GQ21361	"C"RING	起子頭帽C環	1
26	MD20151	BRUSH CAP	碳刷蓋	2	60	GL21371	TORQUE ADJUSTING PINS	扭力調整棒	4
27	MC21411	CARBON FOR "110V"	碳刷(110V)	2	61	GM21381	TORQUE ADJUSTING RING	扭力調整環	1
	MC20161	CARBON FOR"220V"	碳刷(220V)	2	62	GS21391	"C"RING	扭力環C環	1
28	ML90531	MOTOR TOP COVER FOR "110V"	碳刷座(110V)	1	63	CD21031	COUPLER	前鎖環	1
	ML90532	MOTOR TOP COVER FOR "220V"	碳刷座(220V)	1	64	CH30671-1	GROUNDING MEANS	接地線	1
29	ME21481	ARMATURE BEARING	馬達軸承	2	65	MF90061	INSULATE WASHER	墊圈	1
30	MH90571	ARMATURE FOR "110V"	電樞(110V)	1	66	P12104	RETAINING CLIP	八公分固定線	1
	MH90572	ARMATURE FOR "220V"	電樞(220V)	1	67	CK28031-1	TRIGGER SPRING	壓板彈簧	1
31	MJ90601	MOTOR YOKE ASSEMBLY	馬達鐵圈連磁鐵	1	68	GN30442	MAIN BEARING	離合器主軸承	1



MODEL :
SK-9131LF
SK-9231LF

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

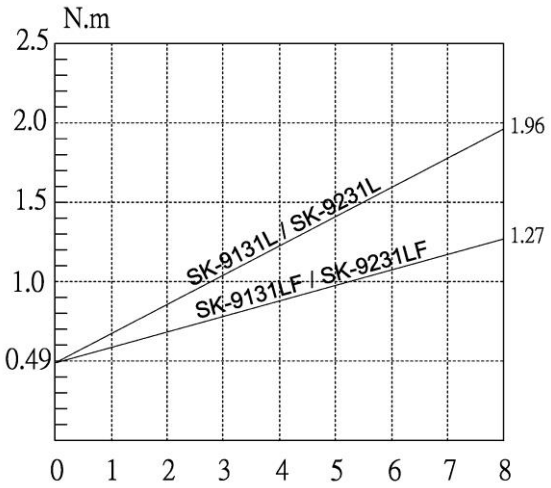
KILEWS INDUSTRIAL CO.. LTD.

NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty	NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty
1	AC30001F	Cord Assy-US Plug	電源線整組 美規	1	31	MJ90601	MOTOR YOKE ASSEMBLY	馬達鐵圈連磁鐵	1
	AF30001F	Cord Assy-EUROPE Plug	電源線整組 歐規	1	32	MB21521	MOTOR END COVER	馬達前蓋	1
	AG30001F	Cord Assy-BRITISH Plug	電源線整組 英規	1	33	MA21491B	ASSEMBLING SPRING	馬達固定鐵片	2
	AJ30001F	Cord Assy-INDIA Plug	電源線整組 印規	1	34	MK21111PF	FAN	風扇	1
	AD30001-6F	Cord Assy-AUSTRALIA Plug	電源線整組 澳規	1	35	MG30081-1	PILOT ROD	陶瓷棒	1
2	AA30007-1	Cord 1 ft with US Plug	1呎長電源線 美規	1	36	GZ31091AF	CLUTCH ASSEMBLY FOR 9131LFA	離合器整組 9131LFA	1
	AA30007-2	Cord 1FT with EUROPE Plug	1呎長電源線 歐規	1		GZ31091BF	CLUTCH ASSEMBLY FOR 9131LFB	離合器整組 9131LFB	1
	AA30007-5	Cord 1FT with BRITISH Plug	1呎長電源線 英規	1		GZ31091-2ADF	CLUTCH ASSEMBLY FOR 9131LFAD	離合器整組 9131LFAD	1
	AA30007-5E	Cord 1FT with INDIA Plug	1呎長電源線 印規	1	37	MI31221	PILOT ROD	開關引導棒	1
	AA30007-1D	Cord 1FT with AUSTRALIA Plug	1呎長電源線 澳規	1	38	GK21181	"C"RING	齒輪固定C環	1
3	EJ30002-5	EMC-BOX ASSEMBLY	EMC盒成品	1	39	GI21191	IRON WASHER	齒輪固定片	1
4	EG30005	P.C.B	PC板	1	40	G21301	SPACER	快速墊圈	1
5	EC30006	EMC-BOX CASE ONLY	EMC盒 上下蓋	1	41	GH21221-1	IDLE GEAR	游星齒輪	3
6	CH90152-1F	SCREW	螺絲	2	42	GG21231-1	GEAR SEAT	下齒盤	1
7	ED30004	FILTER	電磁夾	1	43	GA21241	GEAR CASE	上離合器筒	1
8	AA30009-1T	CORD 9"	9呎長電源線	1	44	GN21251	MAIN BEARING	離合器主軸承	2
9	CB31031-1A	HOUSING-UNDERSIDE(ORANGE)	下蓋 (橙)	1	45	GW21531	IRON RING	鐵墊圈	1
10	CA31201-1A	HOUSING-UPSIDE FOR (ORANGE)	上蓋 (橙)	1	46	GC31321A	CAM	上離合器頭	1
11	CC21011-3A	TRIGGER	手按開關桿	1	47	GP30351	STELL BALLS(4mm)	跳脫&酒杯鋼珠(4mm)	5
12	CJ20011	SUSPENSION RING	起子吊環	1	48	GU30370	STOP PILOT "A&AD"	酒杯 (A&AD)	1
13	EG31131	CONTROL BOARD FOR "110V"	PC板(110V)	1		GU30371	STOP PILOT "B"	酒杯 (B)	1
	EG32132	CONTROL BOARD FOR "220V"	PC板(220V)	1	49	GD31351A-1	SHAFT "A"	傳動軸 (A)	1
14	HB91061	START SWITCH	啟動開關	1		GD31353B-2	SHAFT "B"	傳動軸 (B)	1
15	E31908	BRAKE RESISTOR FOR 110V	剎車電阻(阻抗)-110V	1		GD31351AD-1	SHAFT "AD"	傳動軸 (AD)	1
	E31908-4	BRAKE RESISTOR FOR 220V	剎車電阻(阻抗)-220V	1	50	GP21291A	BIT PILOT "A&AD"	起子頭帽鋼珠(A&AD)頭用	2
16	CE90101-1	SWITCH BASE	三合一開關架	1		GP21291B	BIT PILOT "B"	起子頭帽鋼珠 (B)頭用	2
17	HB30061	SHUT OFF SWITCH	停止開關	1	51	GF31371	WARING PLATE "A&AD"	扭力推盤 (A&AD)	1
18	CH90121	SCREW	螺絲	1		GF31372	WARING PLATE "B"	扭力推盤 (B)	1
19	CH90131	SCREW	螺絲	1	52	GE90361-5	WARING SPRING	扭力彈簧	1
20	HA90171	CHANGEOVER SWITCH	正反開關	1	53	GY31391	WARING SPRING BASE "A&AD"	止推盤 (A&AD)	1
21	CH90151-1	SCREW	螺絲	2		GY21321	WARING SPRING BASE "B"	止推盤 (B)	1
22	CH20102	SCREW	螺絲	3	54	GK20231B	"C"RING "A&AD"	傳動軸 C環 (A&AD)	1
23	MO90051	MOTOR ASSEMBLY FOR "110V"	馬達整組(110V)	1	55	GB21331-1	CLUTCH CASE	下離合器筒	1
	MO90052	MOTOR ASSEMBLY FOR "220V"	馬達整組(220V)	1	56	GO21341	BIT SPRING	起子頭帽彈簧	1
24	MI31611	PILOT ROD	開關引導棒	1	57	GJ21351	BIT SLEEVE	起子頭帽	1
25	EB33610-2	CERAMICS CAPACITOR	陶瓷電容	2	58	GQ21361	"C"RING	起子頭帽C環	1
26	MD20151	BRUSH CAP	碳刷蓋	2	59	GL21371	TORQUE ADJUSTING PINS	扭力調整棒	4
27	MC21411	CARBON FOR "110V"	碳刷(110V)	2	60	GM21381	TORQUE ADJUSTING RING	扭力調整環	1
	MC20161	CARBON FOR"220V"	碳刷(220V)	2	61	GS21391	"C"RING	扭力環C環	1
28	ML90531	MOTOR TOP COVER FOR "110V"	碳刷座(110V)	1	62	CD21031	COUPLER	前鎖環	1
	ML90532	MOTOR TOP COVER FOR "220V"	碳刷座(220V)	1	63	CH30671-1	GROUNDING MEANS	接地線	1
29	ME21481	ARMATURE BEARING	馬達軸承	2	64	MF90061	INSULATE WASHER	墊圈	1
30	MH90571	ARMATURE FOR "110V"	電樞(110V)	1	65	P12104	RETAINING CLIP	八公分固定線	1
	MH90572	ARMATURE FOR "220V"	電樞(220V)	1	66	CK28031-1	TRIGGER SPRING	壓板彈簧	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.

Equipment name: Electric screwdriver

Type designation (Type): SK-9131L,SK-9131LF

RoHS

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	○	○	○	○	○	○