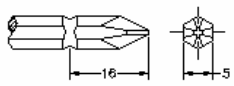
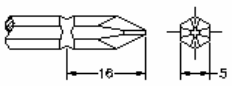
※Specifications

MODEL		SK-8130L	SK-8140L SK-8140LF	SK-8150L	SK-8130LF	SK-8230L	SK-8240L SK-8240LF	SK-8250L	SK-8230LF
Input voltage(AC)		AC 110V~120V 50Hz/60Hz				AC 220~240V 50Hz/60Hz			
Rated input		68W							
Bit torque	(kgf.cm)	5-22	10-30	15-45	5-17	5-22	10-30	15-45	5-17
	(Lbf.in)	4.34-19.12	8.67-26.02	13-39.02	4.34-14.78	4.34-19.12	8.67-26.02	13-39.02	4.34-14.78
	(N.m)	0.49-2.16	0.98-2.94	1.47-4.41	0.49-1.67	0.49-2.16	0.98-2.94	1.47-4.41	0.49-1.67
Torque Accuracy (%)		±3%							
Torque Adjustment		Step less							
Rev speed at no load (R.p.m)		1000	700 1000	500	1900	1000	700 1000	500	1900
Non-power Consumption (A)		0.4A				0.3A			
Metal assembly screw(mm)	Machine screw	2.6~4.0	3.0~5.0	4.0~6.0	2.3-3.5	2.6~4.0	3.0~5.0	4.0~6.0	2.3-3.5
	Tapping screw	2.0~3.5	2.6~4.0	3.0~5.0	2.0~3.0	2.0~3.5	2.6~4.0	3.0~5.0	2.0~3.0
Weight (g)		700							
Length (mm)		269							
Model of Torque Fixing Ring		KC-1							
Model of Suspension Rack		KH-3、(KC & KH-1)							
Bit Type		 HEX 5mm,				 HEX 6.35mm			

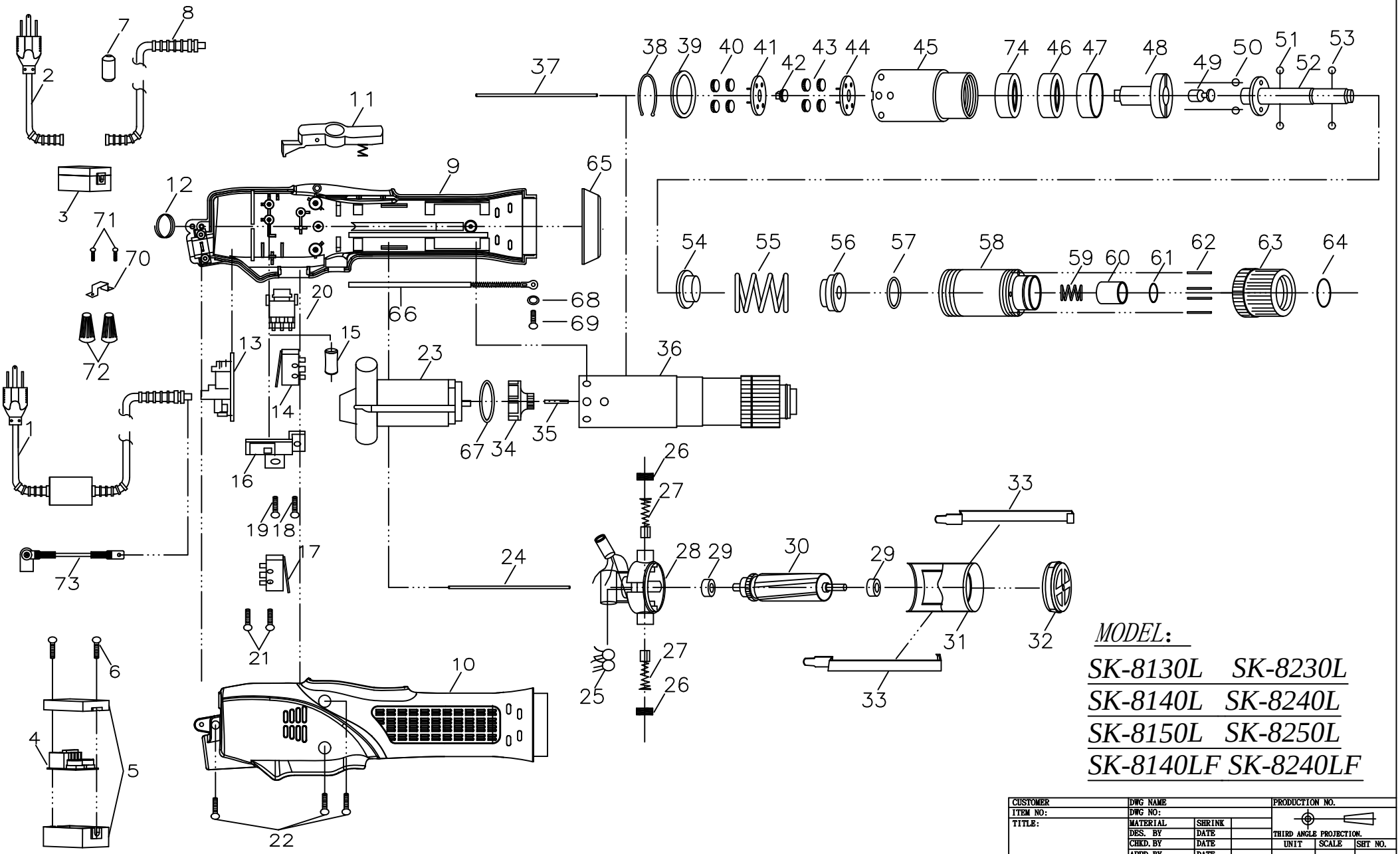
1N.m=10.2Kgf.cm 1N.m=8.85Lbf.in

※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-8130L；SK-8230L	with BIT	1# & 2#	1 Pcs Each.
SK-8140L；SK-8240L	with BIT	2#	2 Pcs.
SK-8150L；SK-8250L	with BIT	2#	2 Pcs
SK-8130LF；SK-8230LF	with BIT	1# & 2#	1 Pcs Each
SK-8140LF；SK-8240LF	with BIT	2#	2 Pcs

2. Suspension rack and Torque fixing ring acceptable for use with the tool are available from KILEWS catalogue.



MODEL:

SK-8130L SK-8230L

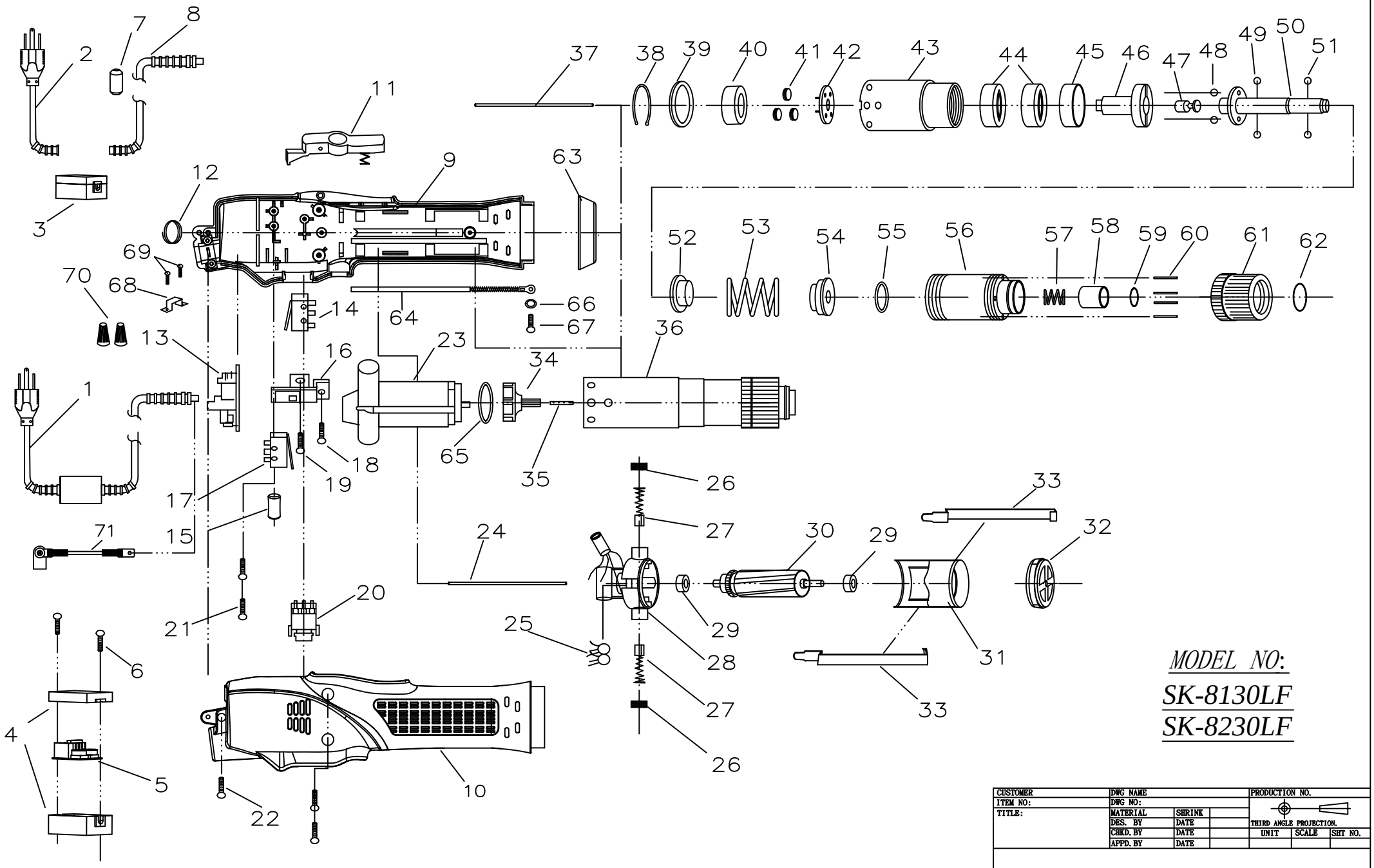
SK-8140L SK-8240L

SK-8150L SK-8250L

SK-8140LF SK-8240LF

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				

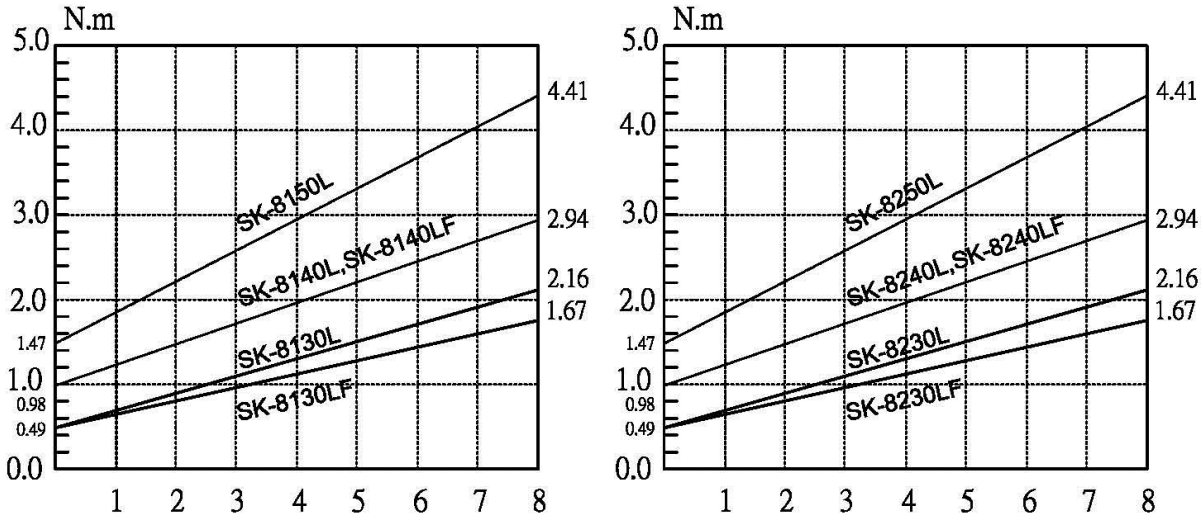
NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	O'ty	NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	O'ty
1	AC30001-1	Cord Assy-AMERICA Plug	電源線整組 美規	1		GZ91072-3A	CLUTCH ASSEMBLY FOR 8140LA	離合器整組 8140LA	1
	AF30001-1	Cord Assy-EUROPE Plug	電源線整組 歐規	1		GZ91072-3B	CLUTCH ASSEMBLY FOR 8140LB	離合器整組 8140LB	1
	AG30001-1	Cord Assy-BRITISH Plug	電源線整組 英規	1		GZ92071-3A	CLUTCH ASSEMBLY FOR 8150LA	離合器整組 8150LA	1
	AJ30001-1	Cord Assy-INDIA Plug	電源線整組 印規	1		GZ92071-3B	CLUTCH ASSEMBLY FOR 8150LB	離合器整組 8150LB	1
	AD30001-1Y	Cord Assy-AUSTRALIA Plug	電源線整組 澳規	1		GZ91072-3AF	CLUTCH ASSEMBLY FOR 8140LFA	離合器整組 8140LFA	1
	AC30001-1F	Cord Assy-AMERICA Plug FOR "8140LF,8240LF"	電源線整組 美規 8140LF,8240LF	1		GZ91072-3BF	CLUTCH ASSEMBLY FOR 8140LFB	離合器整組 8140LFB	1
	AF30001-1F	Cord Assy-EUROPE Plug FOR "8140LF,8240LF"	電源線整組 歐規 8140LF,8240LF	1	37	MJ31221	PILOT ROD	開關引導棒	1
	AG30001-1F	Cord Assy-BRITISH Plug FOR "8140LF,8240LF"	電源線整組 英規 8140LF,8240LF	1	38	GK91211	"C" RING	齒輪固定 C環	1
	AJ30001-1F	Cord Assy-INDIA Plug FOR "8140LF,8240LF"	電源線整組 印規 8140LF,8240LF	1	39	GI28444-1	IRON WASHER FOR 8130L,8140LF	齒輪固定片 8130L,8140LF	1
	AD30001-1YF	Cord Assy-AUSTRALIA Plug FOR "8140LF,8240LF"	電源線整組 澳規 8140LF,8240LF	1		GI28444	IRON WASHER FOR 8140L,8150L	齒輪固定片 8140L,8150L	1
2	AA30007-1	Cord 1FT with AMERICA Plug	1呎長電源線 美規	1	40	GH20241	IDLE GEAR FOR "8130L"	游星齒輪(8130L)	3
	AA30007-2	Cord 1FT with EUROPE Plug	1呎長電源線 歐規	1		GH91232	IDLE GEAR FOR "8140L"	游星齒輪(8140L)	3
	AA30007-5	Cord 1FT with BRITISH Plug	1呎長電源線 英規	1		GH92231	IDLE GEAR FOR "8150L"	游星齒輪(8150L)	4
	AA30007-5E	Cord 1FT with INDIA Plug	1呎長電源線 印規	1		GH21221-2	IDLE GEAR FOR "8140LF"	游星齒輪(8140LF)	4
	AA30007-1D	Cord 1FT with AUSTRALIA Plug	1呎長電源線 澳規	1	41	GG21231	GEAR SEAT FOR "8130L"	上齒盤(8130L)	1
3	EJ30002-2	EMC-BOX ASSEMBLY	EMC盒成品	1		GG20271	GEAR SEAT FOR "8140LF"	上齒盤(8140LF)	1
	EJ30002-5	EMC-BOX ASSEMBLY FOR "8140LF,8240LF"	EMC盒成品 8140LF,8240LF	1		GG91242-1	GEAR SEAT FOR "8140L"	上齒盤含中心齒(8140L)	1
4	EC30006	EMC-BOX	EMC盒	1		GG92241-1	GEAR SEAT FOR "8150L"	上齒盤含中心齒(8150L)	1
5	EG30005-3	P.C.B	PC板	1	42	G20102	CENTRAL GEAR ONLY FOR "8130L"	中心齒(8130L)	1
	EG30005	P.C.B FOR "8140LF,8240LF"	PC板 8140LF,8240LF	1		G20104	CENTRAL GEAR ONLY FOR "8140LF"	中心齒(8140LF)	1
6	CH90152-1F	SCREW	螺絲	2	43	GH20241	IDLE GEAR FOR "8130L"	游星齒輪(8130L)	3
7	ED30004	FILTER	電磁夾	1		GH91232-1	IDLE GEAR FOR "8140L"	游星齒輪(8140L)	3
8	AA30009-1T	CORD 9"	9呎長電源線	1		GH92231-1	IDLE GEAR FOR "8150L"	游星齒輪(8150L)	4
9	CB91107	HOUSING-UNDERSIDE (ORANGE-BL)	下蓋(橙-黑)	1		GH21221-2	IDLE GEAR FOR "8140LF"	游星齒輪(8140LF)	4
10	CA92107	HOUSING-UPSIDE FOR (ORANGE-BL)	上蓋(橙-黑)	1	44	GG21231	GEAR SEAT FOR "8130L"	下齒盤(8130L)	1
11	CC70012	TRIGGER	手按開關桿	1		GG91272-1	GEAR SEAT FOR "8140L"	下齒盤(8140L)	1
12	CJ20011	SUSPENSION RING	起子吊環	1		GG92271-1	GEAR SEAT FOR "8150L"	下齒盤(8150L)	1
13	EG91131-3	CONTROL BOARD FOR "110V"	PC板(110V)	1		GG20271	GEAR SEAT FOR "8140LF"	下齒盤(8140LF)	1
	EG91132-1	CONTROL BOARD FOR "220V"	PC板(220V)	1	45	GA91281	GEAR CASE FOR "8130L"	上離合器筒(8130L)	1
14	HB91061	SHUT OFF SWITCH	停止開關	1		GA91282	GEAR CASE FOR "8140L,8150L"	上離合器筒(8140L,8150L)	1
15	E31908	BRAKE RESISTOR FOR 110V	剎車電阻(阻抗)-110V	1		GA91282-1	GEAR CASE FOR "8140LF"	上離合器筒(8140LF)	1
	E31908-4	BRAKE RESISTOR FOR 220V	剎車電阻(阻抗)-220V	1	46	GN21251	MAIN BEARING	離合器主軸承	1
16	CE90101-1	SWITCH BASE	三合一開關架	1	47	GW21531	IRON RING	鐵墊圈	1
17	HB30061	START SWITCH	啟動開關	1	48	GC31321A	CAM	上離合器頭	1
18	CH90121	SCREW	螺絲	1	49	GU30370	STOP PILOT FOR "LA"	停止用酒杯(LA)	1
19	CH90131	SCREW	螺絲	1		GU30371	STOP PILOT FOR "LB"	停止用酒杯(LB)	1
20	HA91041	CHANGEOVER SWITCH FOR "8130L/8230L"	正反開關(8130L/8230L)	1	50	GP30351	STEEL BALLS	跳脫鋼珠	3
	HA91042	CHANGEOVER SWITCH FOR "8140L/8240L"	正反開關(8140L/8240L)	1	51	GP30351	STELL BALLS 4mm	酒杯鋼珠(4mm)	2
	HA92051	CHANGEOVER SWITCH FOR "8150L/8250L"	正反開關(8150L/8250L)	1	52	GD31351A-1	BIT HOLDER FOR "A"TYPE	傳動軸(A)	1
21	CH90151-1	SCREW	螺絲	2		GD31353B-1	BIT HOLDER FOR "B"TYPE	傳動軸(B)	1
22	CH20102	SCREW	螺絲	3	53	GP21291A	BIT PILOT FOR "A"TYPE	起子頭帽鋼珠(A)	2
23	MO91111	MOTOR ASSEMBLY FOR "110V"	馬達整組(110V)	1		GP21291B	BIT PILOT FOR "B"TYPE	起子頭帽鋼珠(B)	2
	MO91111-2	MOTOR ASSEMBLY FOR "8140LF"	馬達整組(8140LF)	1	54	GF31371	WARING PLATE FOR "LA"	扭力推盤(LA)	1
	MO91112	MOTOR ASSEMBLY FOR "220V"	馬達整組(220V)	1		GF31372	WARING PLATE FOR "LB"	扭力推盤(LB)	1
	MO91112-2	MOTOR ASSEMBLY FOR "8240LF"	馬達整組(8240LF)	1	55	GE91381-1	WRING SPRING FOR "8130L"	扭力彈簧(8130L)	1
24	MJ31611	PILOT ROD	開關引導棒	1		GE91382-2	WRING SPRING FOR "8140L,8140LF"	扭力彈簧(8140L,8140LF)	1
25	EB33610-2	CERAMICS CAPACITOR	陶瓷電容	2		GE92382-6	WRING SPRING FOR "8150L"	扭力彈簧(8150L)	1
26	MD91531	BRUSH CAP	碳刷蓋	2	56	GY31391	WARING SPRING BASE-LA	止推盤-LA	1
27	MC21411	CARBON FOR"110V"	碳刷(110V)	2		GY21321	WARING SPRING BASE-LB	止推盤-LB	1
	MC20161	CARBON FOR"220V"	碳刷(220V)	2	57	GK20231B	C-RING FOR LA TYPE	傳動軸固定C環 LA	1
28	ML91551	MOTOR TOP COVER FOR "110V"	碳刷座(110V)	1	58	GB21331-1	CLUTCH CASE	下離合器筒	1
	ML91552	MOTOR TOP COVER FOR "220V"	碳刷座(220V)	1	59	GO21341	BIT SPRING	起子頭帽彈簧	1
29	ME21481	ARMATURE BEARING	馬達軸承	2	60	GJ21351	BIT SLEEVE	起子頭帽	1
30	MH91591	ARMATURE FOR "110V"	電樞(110V)	1	61	GO21361	"C" RING	起子頭帽 C環	1
	MH91591PF	ARMATURE FOR "8140LF"	電樞(8140LF)	1	62	GL21371	TOROUE ADJUST PING	扭力調整棒	4
	MH91592	ARMATURE FOR "220V"	電樞(220V)	1	63	GM21381	TORQUE ADJUST RING	扭力調整環	1
	MH91592-1	ARMATURE FOR "8240LF"	電樞(8240LF)	1	64	GS21391	"C"RING	扭力環 C環	1
31	MJ91621	MOTOR YOKE ASSEMBLY	馬達鐵圈連磁鐵	1	65	CD91031-1	COUPLER (BLACK)	前鎖環(黑)	1
	MJ91621PF	MOTOR YOKE ASSEMBLY FOR "8140LF,8240LF"	馬達鐵圈連磁鐵(8140LF,8240LF)	1	66	CH30681T	GROUNDING MEANS	接地線	1
32	MB91641A	MOTOR END COVER	馬達前蓋	1	67	MF91101	INSULATING	墊圈	1
33	MA91611B	ASSEMBLING SPRING	馬達固定鐵片	2	68	CH20102-10	WASHER	墊片	1
34	MK21111	FAN FOR "8130L,8230L"	風扇(8130L,8230L)	1	69	CH20102-11	SCREW	螺絲	1
	MK91091	FAN FOR "8140L,8240L"	風扇(8140L,8240L)	1	70	CH20102-2	WIRE CLAMP	線夾	1
	MK92091	FAN FOR "8150L,8250L"	風扇(8150L,8250L)	1	71	CH20102-3	SCREW FOR WIRE CLAMP	線夾螺絲	2
	MK21112	FAN FOR "8140LF,8240LF"	風扇(8140LF,8240LF)	1	72	CH20102-7	WIRE CONNECTER	螺式接頭	2
35	MG91081	PILOT ROD	陶瓷棒	1	73	P12104	3cm RETAINING CLIP	三公分固定線	1
36	GZ91071-3A	CLUTCH ASSEMBLY FOR 8130LA	離合器整組 8130LA	1	74	GN30442	MAIN BEARING	離合器主軸承	1
	GZ91071-3B	CLUTCH ASSEMBLY FOR 8130LB	離合器整組 8130LB	1					


MODEL NO:
SK-8130LF
SK-8230LF
CUSTOMER
ITEM NO:
TITLE:
DWG NAME
DWG NO:
MATERIAL
SHRINK
DES. BY
DATE
CHKD. BY
DATE
APPD. BY
DATE
PRODUCTION NO.
THIRD ANGLE PROJECTION.
UNIT
SCALE
SHT NO.

NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty	NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty
1	AC30001-1F	Cord Assy-AMERICA Plug	電源線整組 美規	1	33	MA91611B	ASSEMBLING SPRING	馬達固定鐵片	2
	AF30001-1F	Cord Assy-EUROPE Plug	電源線整組 歐規	1	34	MK21111PF	FAN	風扇	1
	AG30001-1F	Cord Assy-BRITISH Plug	電源線整組 英規	1	35	MG30081-1	PILOT ROD	陶瓷棒	1
	AJ30001-1F	Cord Assy-INDIA Plug	電源線整組 印規	1	36	GZ91071-3AF	CLUTCH ASSEMBLY FOR 8130LFA	離合器整組 8130LFA	1
	AD30001-1YF	Cord Assy-AUSTRALIA Plug	電源線整組 澳規	1		GZ91071-3BF	CLUTCH ASSEMBLY FOR 8130LFB	離合器整組 8130LFB	1
2	AA30007-1	Cord 1FT with AMERICA Plug	1呎長電源線 美規	1	37	MI31221	PILOT ROD	開關引導棒	1
	AA30007-2	Cord 1FT with EUROPE Plug	1呎長電源線 歐規	1	38	GK91211	"C" RING	齒輪固定C環	1
	AA30007-5	Cord 1FT with BRITISH Plug	1呎長電源線 英規	1	39	GI28444-1	IRON WASHER	齒輪固定片	1
	AA30007-5E	Cord 1FT with INDIA Plug	1呎長電源線 印規	1	40	G21301	WASHER	齒輪墊圈	1
	AA30007-1D	Cord 1FT with AUSTRALIA Plug	1呎長電源線 澳規	1	41	GH21221-1	IDLE GEAR	游星齒輪	3
3	EJ30002-5	EMC-BOX ASSEMBLY	EMC盒成品	1	42	GG21231-1	GEAR SEAT	下齒盤	1
4	EC30006	EMC-BOX	EMC盒	1	43	GA91281	GEAR CASE	上離合器筒	1
5	EG30005	P.C.B	PC板	1	44	GN21251	MAIN BEARING	離合器主軸承	2
6	CH90152-1F	SCREW	螺絲	2	45	GW21531	IRON RING	鐵墊圈	1
7	ED30004	FILTER	電磁夾	1	46	GC31321A	CAM	上離合器頭	1
8	AA30009-1T	CORD 9"	9呎長電源線	1	47	GU30370	STOP PILOT FOR "LA"	停止用酒杯(LA)	1
9	CB91107	HOUSING-UNDERSIDE (ORANGE-BL)	下蓋(橙-黑)	1		GU30371	STOP PILOT FOR "LB"	停止用酒杯(LB)	1
10	CA92107	HOUSING-UPSIDE FOR (ORANGE-BL)	上蓋(橙-黑)	1	48	GP30351	STEEL BALLS	跳脫鋼珠	3
11	CC70012	TRIGGER	手按開關桿	1	49	GP30351	STELL BALLS 4mm	酒杯鋼珠(4mm)	2
12	CJ20011	SUSPENSION RING	起子吊環	1	50	GD31351A-1	BIT HOLDER FOR "A"TYPE	傳動軸(A)	1
13	EG91131-3	CONTROL BOARD FOR "110V"	PC板(110V)	1		GD31353B-1	BIT HOLDER FOR "B"TYPE	傳動軸(B)	1
	EG91132-1	CONTROL BOARD FOR "220V"	PC板(220V)	1	51	GP21291A	BIT PILOT FOR "A"TYPE	起子頭帽鋼珠(A)	2
14	HB91061	SHUT OFF SWITCH	停止開關	1		GP21291B	BIT PILOT FOR "B"TYPE	起子頭帽鋼珠(B)	2
15	E31908	BRAKE RESISTOR FOR 110V	剎車電阻(阻抗)-110V	1	52	GF31371	WARING PLATE FOR "LA"	扭力推盤(LA)	1
	E31908-4	BRAKE RESISTOR FOR 220V	剎車電阻(阻抗)-220V	1		GF31372	WARING PLATE FOR "LB"	扭力推盤(LB)	1
16	CE90101-1	SWITCH BASE	三合一開關架	1	53	GE91381-2	WRING SPRING	扭力彈簧	1
17	HB30061	START SWITCH	啟動開關	1	54	GY31391	WARING SPRING BASE-LA	止推盤-LA	1
18	CH90121	SCREW	螺絲	1		GY21321	WARING SPRING BASE-LB	止推盤-LB	1
19	CH90131	SCREW	螺絲	1	55	GK20231B	C-RING FOR LA TYPE	傳動軸固定 C環 LA	1
20	HA91041	CHANGEOVER SWITCH	正反開關	1	56	GB21331-1	CLUTCH CASE	下離合器筒	1
21	CH90151-1	SCREW	螺絲	2	57	GO21341	BIT SPRING	起子頭帽彈簧	1
22	CH20102	SCREW	螺絲	3	58	GJ21351	BIT SLEEVE	起子頭帽	1
23	MO91111PF	MOTOR ASSEMBLY FOR "110V"	馬達整組(110V)	1	59	GQ21361	"C" RING	起子頭帽 C環	1
	MO91112PF	MOTOR ASSEMBLY FOR "220V"	馬達整組(220V)	1	60	GL21371	TORQUE ADJUST PING	扭力調整棒	4
24	MI31611	PILOT ROD	開關引導棒	1	61	GM21381	TORQUE ADJUST RING	扭力調整環	1
25	EB33610-2	CERAMICS CAPACITOR	陶瓷電容	2	62	GS21391	"C"RING	扭力環 C環	1
26	MD91531	BRUSH CAP	碳刷蓋	2	63	CD91031-1	COUPLER (BLACK)	前鎖環(黑)	1
27	MC21411	CARBON FOR "110V"	碳刷(110V)	2	64	CH30681T	GROUNDING MEANS	接地線	1
	MC20161	CARBON FOR"220V"	碳刷(220V)	2	65	MF91101	INSULATING	墊圈	1
28	ML91551	MOTOR TOP COVER FOR "110V"	碳刷座(110V)	1	66	CH20102-10	WASHER	墊片	1
	ML91552	MOTOR TOP COVER FOR "220V"	碳刷座(220V)	1	67	CH20102-11	SCREW	螺絲	1
29	ME21481	ARMATURE BEARING	馬達軸承	2	68	CH20102-2	WIRE CLAMP	線夾	1
30	MH91591	ARMATURE FOR "110V"	電樞(110V)	1	69	CH20102-3	SCREW FOR WIRE CLAMP	線夾螺絲	2
	MH91592-5	ARMATURE FOR "220V"	電樞(220V)	1	70	CH20102-7	WIRE CONNECTER	螺式接頭	2
31	MJ91621PF	MOTOR YOKE ASSEMBLY	馬達鐵圈連磁鐵	1	71	P12104	3cm RETAINING CLIP	三公分固定線	1
32	MB91641A	MOTOR END COVER	馬達前蓋	1					

※Torque Adjustment Operation

1. To adjust the torque on these screwdrivers. Proceed as follows :
2. Determine the torque output of the tool by checking a tightened Fastener with a torque wrench.
3. 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.
4. 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.
5. Adjust the bit torque by changing the driving in length of the adjust ring at the end.
6. 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.
7. 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.
8. 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-8130L,SK-8140L,SK-8150L,SK-8130LF,SK-8140LF

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	○	○	○	○	○	○