

輔助手臂操作手冊

OPERATION AND MAINTENANCE MANUAL



KP-AUXA

KP-AUX1T

KP-AUXA-2

KP-AUXA-500

KP-AUX2

KP-AUX5



奇力速工業股份有限公司
KILEWS INDUSTRIAL CO., LTD.
<http://www.kilews.com>

(KP-AUXA、KP-AUX1T、KP-AUXA-2、KP-AUXA-500)組裝程序

- 1.將固定座(1)固定在工作桌上，固定座有 4 個螺絲孔，使用者請自行使用六角螺絲與工作桌固定。
- 2.將固定座固定板手鬆開，將延長桿(2)放進，再使用板手固定鎖緊【請注意組裝方向】。
- 3.在延長桿末放進止推桿(3)，即組裝完成。
- 4.將起子的起子前鎖環鬆下，將 KP-AUX1T 機械手臂附的鋁質前鎖環(5)鎖進起子外殼。
- 5.再將起子放進起子夾座(4)，加以固定。

(KP-AUX2、KP-AUX5)組裝程序

- 1.將主桿固定座(7)固定在底板(8)上，底板共有兩邊，使用者可以依照工作性能自行變更固定座的位置。
- 2.將主桿(6)與延長桿(2)連接，自行判斷是否需要使用延長桿，若需要可以加上此延長桿，若不需要則跳過此步驟。
- 3.將主桿(6)放置在固定座(7)上，使用附內六角螺絲加以固定、鎖緊。
- 4.將力臂(4)放入主桿(6)中。
- 5.將 O-RING 接著裝入主桿(6)中。
- 6.放入止推桿(3)，視要使用的活動範圍而做調整。
- 7.裝上吊車固定桿(12)，檢視彈簧吊車(1)和力臂(4)的銜接處加以調整方向。
- 8.裝上彈簧吊車(1)於吊車固定桿(12)上，鎖緊。
- 9.將裝好的彈簧吊車(1)的鉤環勾住力臂(4)固定孔，使力臂可以在主桿(6)中活動。
- 10.將欲使用的電動起子的起子吊環取下，方便使用止動螺絲(11)固定在起子夾座(5)上。
- 11.調整 4 顆夾座螺絲(10)，讓電動起子可以放到夾座(5)裡面，將固定螺絲(11)穿過電動起子的吊環孔加以固定。
- 12.將起子左右調整到最佳的使用狀態，鎖緊 4 顆夾座螺絲(10)使其固定。
- 13.調整彈簧吊車(1)收縮的力量(參考彈簧吊車操作說明書)，依作業者的感覺順暢為主。

注意事項 ▲

- 1.工作場所請保持乾淨。
- 2.請勿任意更換其他非原廠零件，否則保證無效。
- 3.當更換機械手臂上的螺絲起子或碳刷時應先確定電動起子正反開關在” OFF” 的位置,且將電源插頭拔離插座，以免誤觸而發生危險。
- 4.勿使用此機械手臂用於非正常用途，如鑽孔等。
- 5.定期檢查機械手臂的關節處,遇有損壞或不順暢應由指定之服務部門修理;機身需保持乾淨,避免油污弄髒。
- 6.注意懸臂式輔助手臂所能承受的重量，避免力臂過重無法復歸。

主要技術參數

型 號	規格	臂長	適用起子 B/BC/BN/BK/BNK	轉接配件
KP-AUXA	懸臂式	50mm~830mm	SKD-RB180-Series SKD-RB180F-Series SKD-RB250-Series	KP-VAR
KP-AUX1T	懸臂式	50mm~830mm	SK-8-Series SK-9-Series SKD-8000-Series SKD-B800-Series SKD-BE800-Series	KP-VA1
KP-AUXA-2	懸臂式	50mm~830mm	SKD-BK9180-Series	-
KP-AUXA-500	懸臂式	50mm~830mm	SKD-RB350-Series SKD-RB500-Series	KP-VA2
KP-AUX2	吊車式	50mm~340mm	SKD-2000-Series SKD-B200-Series	KL-1200
KP-AUX5	吊車式	50mm~340mm	SKD-5000-Series SKD-B500-Series SKD-BE500-Series	KL-1200

注 意 
請妥善保存此說明書

(KP-AUXA 、 KP-AUX1T 、 KP-AUXA-2 、 KP-AUXA-500)

The procedure for assembling:

1. Use 4 hex screw fix the Pillar Holder(1) to the table.
2. Install the Extension Pillar(2) on Pillar Holder(1).
3. Combine Limit Rod(3) and the Extension Pillar(2).
4. Take off the coupler of screwdriver and use KP-AUX1T auxiliary Arm Coupler(5) lock on the screwdriver.
5. Fix the screwdriver on the Clamp(5) then complete the assembly.

(KP-AUX2 、 KP-AUX5)

The procedure for assembling:

1. Fix the Pillar Holder(7) to the Base plate(8). There are two sides available on Base Plate for fixing it. The user can change its position according to operation necessary.
2. Link the Main Pillar(6) and Extension Pillar(2) together, judge by yourself whether need to use extension pillar. If not, skip this procedure.
3. Fix Main Pillar(6) to Pillar Holder(7) with hexagonal bolts.
4. Install Support Arm(4) on Main Pillar(6).
5. Put O-Ring(14) on Main Pillar(6).
6. Put Limit Rod(3) in Main Pillar and adjust it according to the scope of operation.
7. Fix Hanger(12) to Extension Pillar(3) and check the joins of Spring Balancer(1) and Support Arm(4) for adjusting its direction.
8. Install the Spring Balancer(1) on the Hanger(12) and tighten it up.
9. Hook the Spring Balancer(1) on the fixing hole of Support Arm(4), which have the arm work easily in Main Pillar(6).
10. Remove the ring from screwdriver so as to fix it to clamp(5) with tightening screws (#KP20010).
11. Adjust the four screws (#KP20009) for setting screwdriver to the clamp(5). Put the two screws (KP20011) through the ring aperture of the screwdriver then tighten up.
12. Adjust the screwdriver to the best operation state then tighten four screws (PK20009) up.
13. According to the feeling of smooth operation to adjust the Spring Balancer's tension force (Refer to its operation manual).

CAUTION

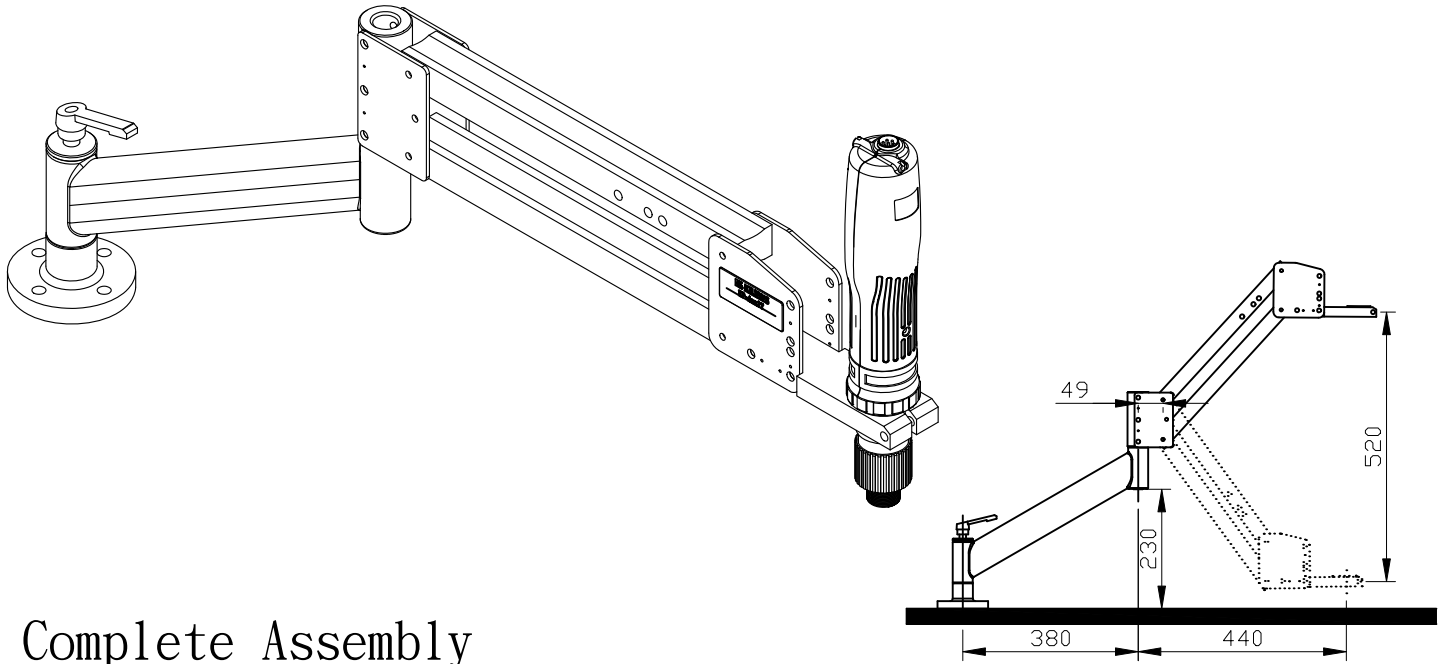
1. Keep work area clean.
2. The use of any part other than genuine Kilews replacement parts may invalidate all warranties.
3. Whenever change the screwdriver or brushes, position the Power Switch of the screwdriver to "OFF" and unplug the power cord to keep the danger off..
4. Do not use large electric screwdriver to this small Auxiliary Arm. Do not use this Auxiliary Arm for purpose not intended, like drill.
5. Inspect all joins of this Auxiliary Arm periodically and if damaged or have operation problem, have them repaired by an authorized service facility. Keep it clean and away from greasy dirt.
6. Do not overload weight on the auxiliary arm than its capacity. Failing to do so will result in the auxiliary arm not to return to its original position.

CAUTION

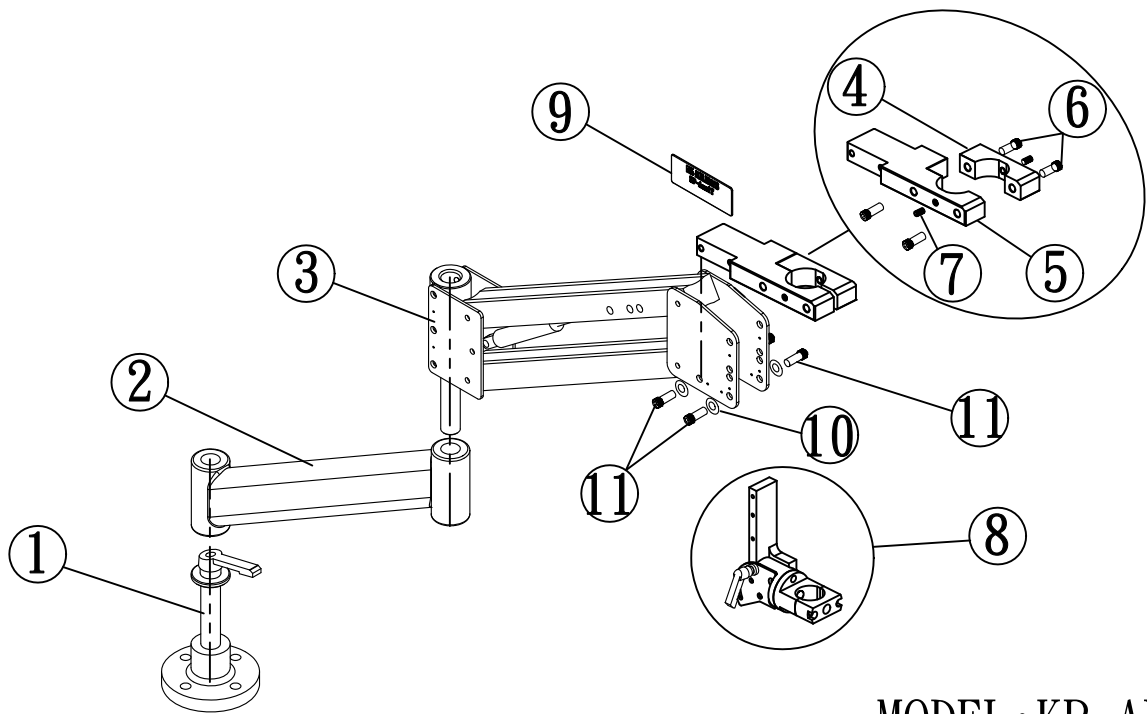
**SAVE THESE INSTRUCTIONS
DO NOT DESTROY**

Specifications

Model	Description	Reach	Applicable Models B/BC/BN/BK/BNK	adaptable
KP-AUXA	Suspension Arm	50mm~830mm	SKD-RB180-Series SKD-RB180F-Series SKD-RB250-Series	KP-VAR
KP-AUX1T	Suspension Arm	50mm~830mm	SK-8-Series SK-9-Series SKD-8000-Series SKD-B800-Series SKD-BE800-Series	KP-VA1
KP-AUXA-2	Suspension Arm	50mm~830mm	SKD-BK9180-Series	-
KP-AUXA-500	Suspension Arm	50mm~830mm	SKD-RB350-Series SKD-RB500-Series	KP-VA2
KP-AUX2	Suspension Rope	50mm~340mm	SKD-2000-Series SKD-B200-Series	KL-1200
KP-AUX5	Suspension Rope	50mm~340mm	SKD-5000-Series SKD-B500-Series SKD-BE500-Series	KL-1200

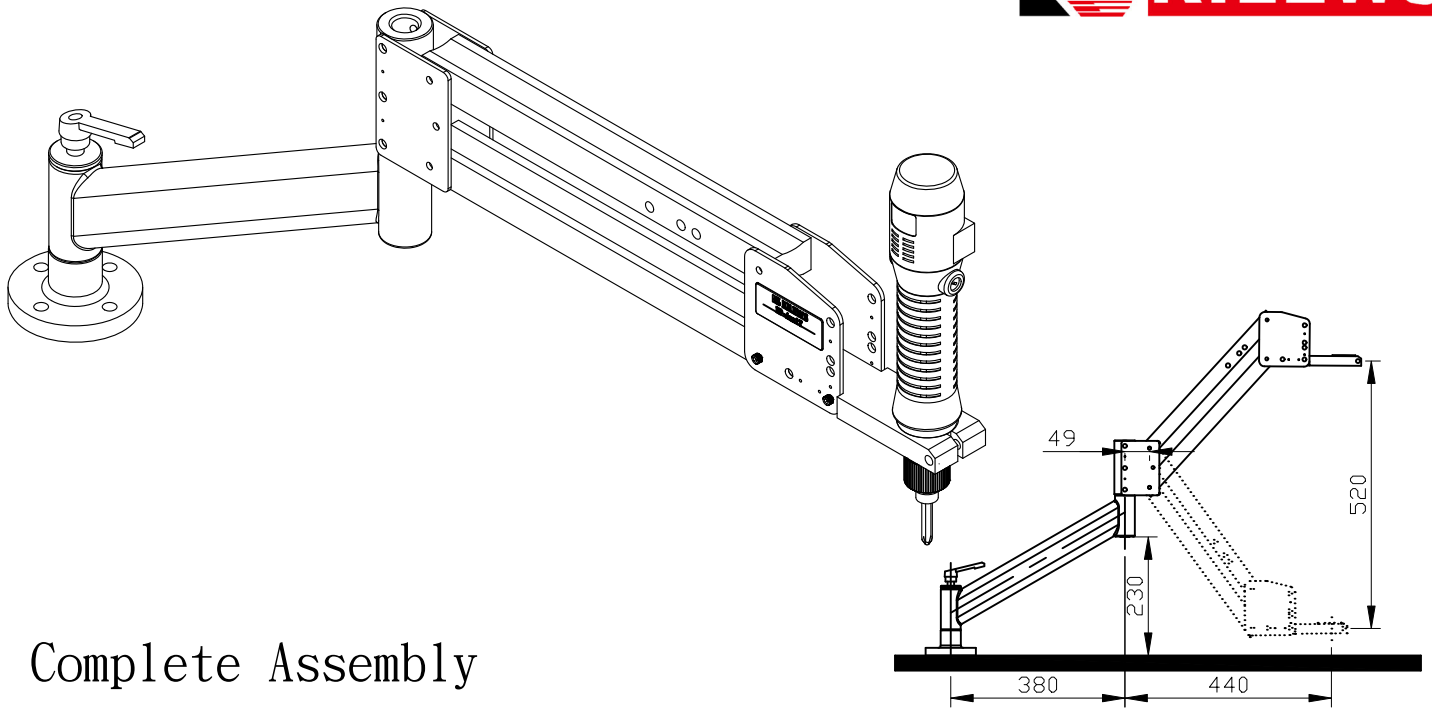


Complete Assembly

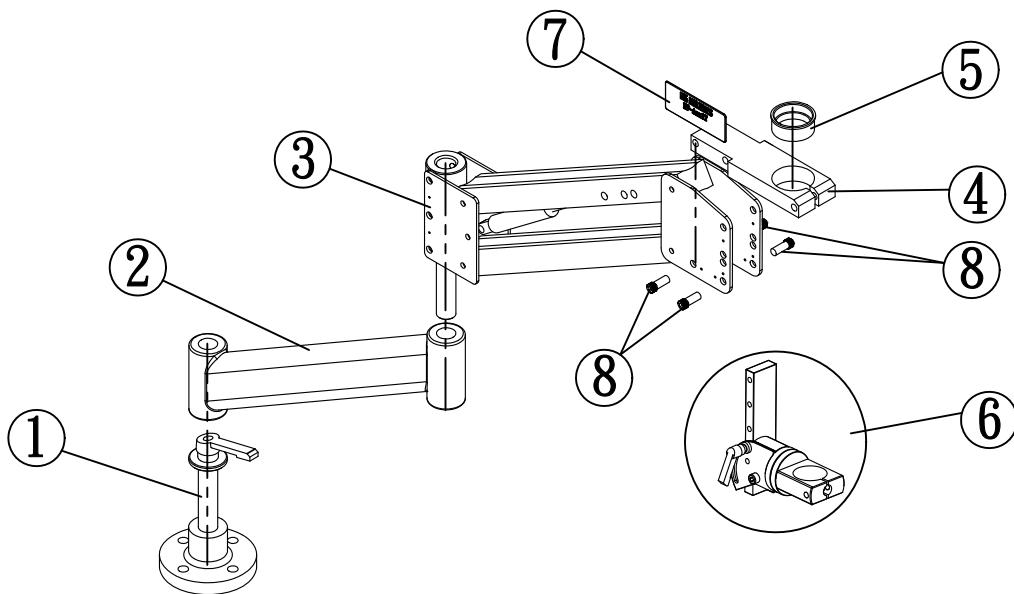


MODEL : KP-AUXA

NO.	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty
1	KP20007-1	Pillar Holder	固定座	1
2	KP20002-1	Extension Pillar	延長桿	1
3	KP20003-3	Limit Rod(25kg)	止推桿(25kg)	1
	KP20003-4	Limit Rod for KP-VA1(30kg)	止推桿接KP-VA1(30kg)	1
4	KP20007-5	Clamp Fixed seat (RB)	固定座 KP-AUX1T (RB180用)	1
5	KP20007-6	Clamp Fixed block (RB)	固定塊 KP-AUX1T (RB180用)	1
6	CH20506-23	SCREW M8*35	螺絲 M8*35mm	4
7	CH20209-11	SCREW M8*10	螺絲 M8*10mm	2
8	KP-VAR	Various Angle(KP-VAR)	90度轉接頭(KP-VAR 選配)	1
9	YTM0103	Lable(KP-AUXA)	銘版(KP-AUXA)	1
10	W10203-3	WASHER	墊片	4
11	CH20506-24	SCREW M6*16	螺絲 M6*16	4

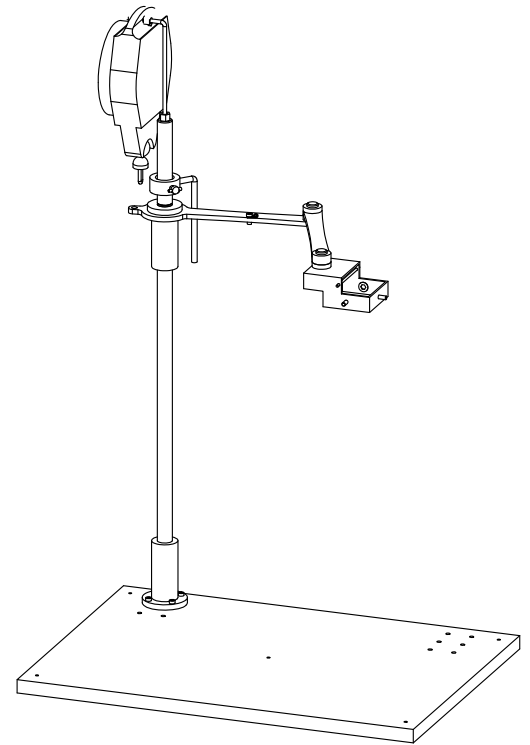
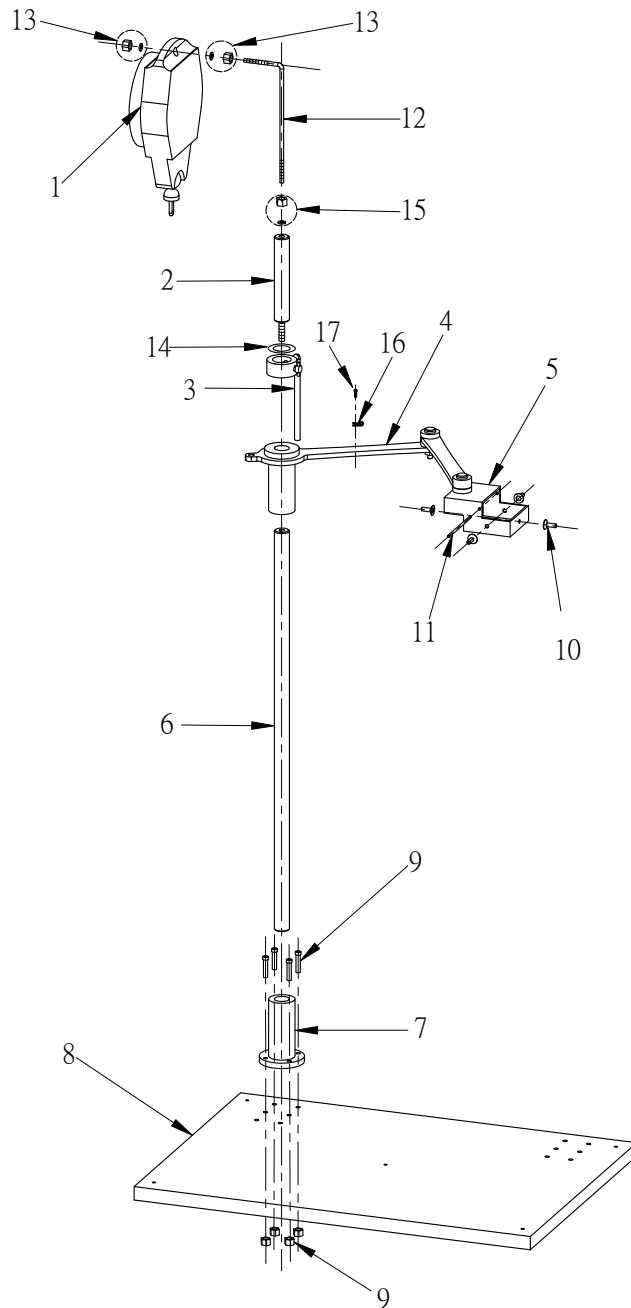


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MODEL: KP-AUX1T

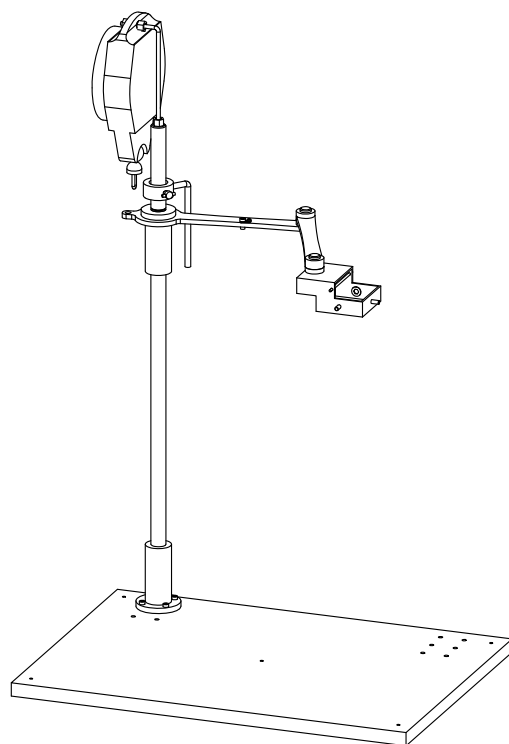
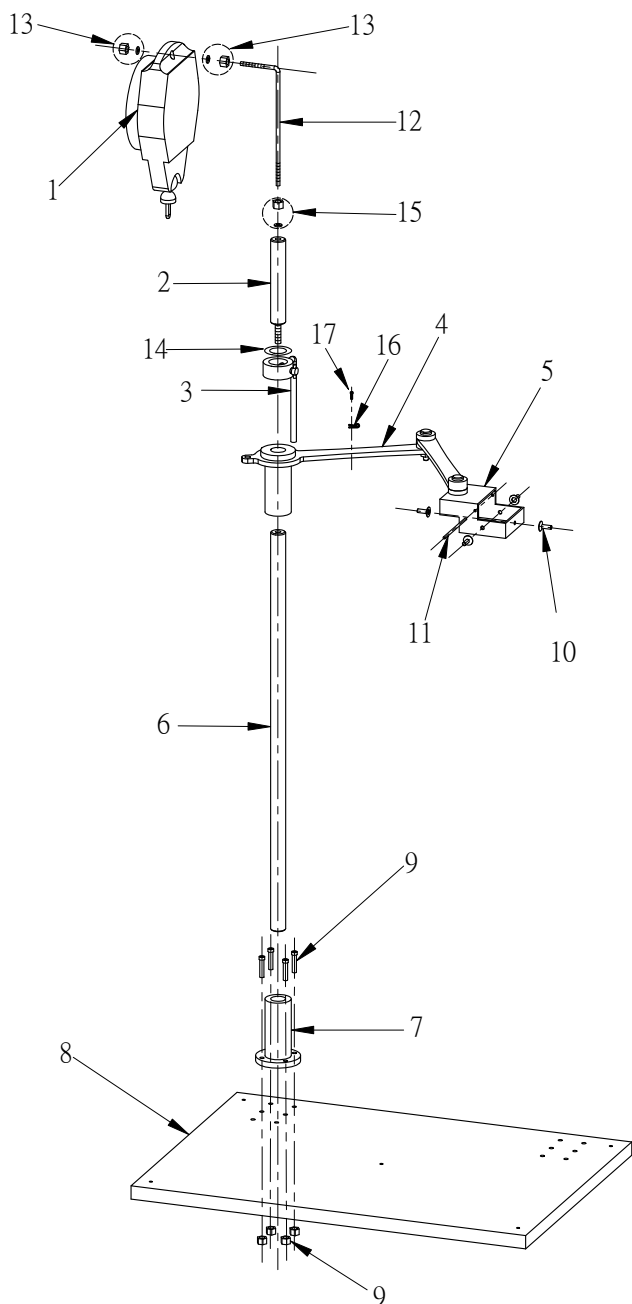
NO.	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty
1	KP20007-1	Pillar Holder	固定座	1
2	KP20002-1	Extension Pillar	延長桿	1
3	KP20003-1	Limit Rod(20kg)	止推桿(20kg)	1
	KP20003-2	Limit Rod for KP-VA1(25kg)	止推桿接KP-VA1(25kg)	1
4	KP20005-1	Clamp(9130L/P)	起子夾座(9130L/P)	1
5	KP20017	COUPLER(9130L/P)	起子前鎖環(9130L/P)	1
	KP20017-1	COUPLER(B/BE800L/P)	起子前鎖環(B/BE800L/P)	1
6	KP-VA1	Various Angle(KP-VA1)	90度轉接頭(KP-VA1) 選配	1
7	YTM0102	Label(KP-AUX1T)	銘版(KP-AUX1T)	1
8	KP20019	SCREW FOR KP-AUX	內六角螺絲(KP-AUX專用)	4



Complete Assembly

MODEL:KP-AUX2

NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty
1	KL-1200	Spring Balancer	彈簧吊車	1
2	KP20002	Extension Pillar	延長桿	1
3	KP20003	Limit Rod	止推桿	1
4	KP20004	Support Arm	伸展力臂	1
5	KP20005-4	Clamp	起子夾座	1
6	KP20006	Main Pillar	主桿	1
7	KP20007	Pillar Holder	固定座	1
8	KP20008	Baseplate	底板	1
9	KP20011	Screw and Bolt	固定座螺絲組	4
10	KP20009	Screw	夾座螺絲	4
11	KP20010	Screw	止動螺絲	2
12	KP20001	Hanger	吊車固定桿	1
13	KP20012	Bolt	吊車固定螺母	2
14	KP20013	O-Ring	O-Ring	1
15	KP20014	Bolt Set	固定桿螺母	1
16	KP20015	Cable Clamp uc-1.5	配線固定鈕	1
17	KP20016	Screw	配線固定鈕螺絲	1



Complete Assembly

MODEL:KP-AUX5

NO.	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty
1	KL-1200	Spring Balancer	彈簧吊車	1
2	KP20002	Extension Pillar	延長桿	1
3	KP20003	Limit Rod	止推桿	1
4	KP20004	Support Arm	伸展力臂	1
5	KP20005-2	Clamp(kp5)	起子夾座(kp5)	1
6	KP20006	Main Pillar	主桿	1
7	KP20007	Pillar Holder	固定座	1
8	KP20008	Daseplate	底板	1
9	KP20011	Screw and Bolt	固定座螺絲組	4
10	KP20009	Screw	夾座螺絲	4
11	KP20010	Screw	止動螺絲	2
12	KP20001	Hanger	吊車固定桿	1
13	KP20012	Bolt	吊車固定螺母	2
14	KP20013	O-Ring	O-Ring	1
15	KP20014	Bolt set	固定桿螺母	1
16	KP20015	Cable Clamp-1.5	配線固定鈕	1
17	KP20016	Screw	配線固定鈕螺絲	1

