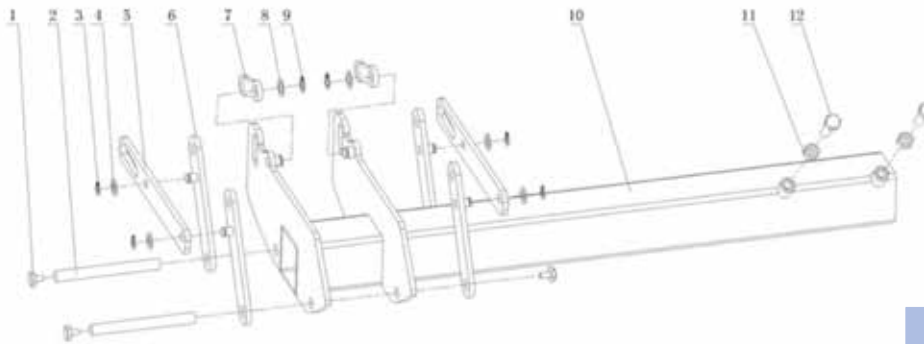
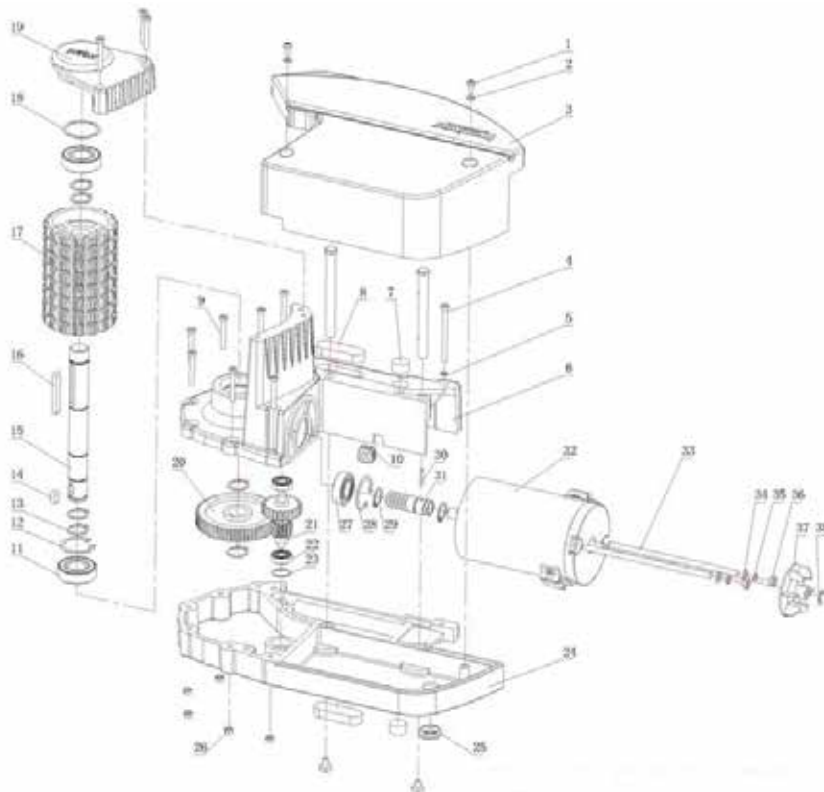


Automatic Mover



DESCRIPTION - CHASSIS

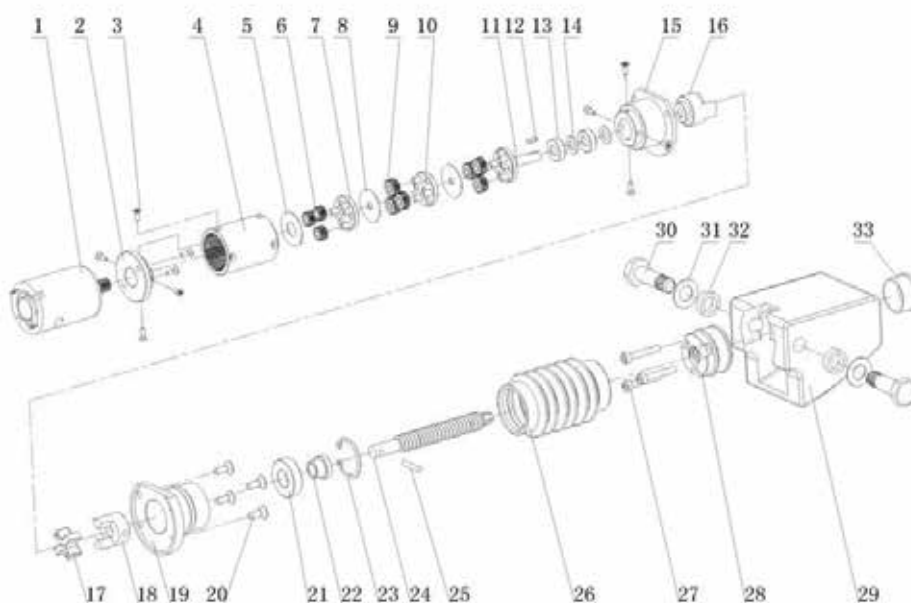
1	Screw m5 x 12 (8)
2	Pin 10mm \varnothing x 97.5 (4)
3	Circlip for shaft 8mm \varnothing 65mn (6)
4	Flat gasket 8mm \varnothing (4)
5	Connecting pole = 5/q235 (2)
6	Rocker arm (4)
7	Small connecting pole = 5/q235 (2)
8	Flat gasket 10mm \varnothing (2)
9	Circlip for shaft 10mm \varnothing 65mn (2)
10	Base
11	Hexagonal nut m8 (2)
12	Outside hexagonal bolt m8x30 (2)



DESCRIPTION - MOTOR

1	Screw m5 x 10 (2)
2	Flat gasket 5mm \varnothing (2)
3	Plastic cover abs
4	Hexagonal bolt m5 x 65 stainless steel(2)
5	Elastic gasket 5mm \varnothing
6	Aluminium case
7	Round nylon slide (2)
8	Long nylon slide (2)
9	Hexagonal bolt m5 x 35 stainless steel (2)
10	Quadrante rubber circle
11	Bearing 6004-rs (2)
12	Circlip for hole 42mm \varnothing 65mn (2)
13	Circlip for shaft 20mm \varnothing 65mn (6)
14	Flat key 6x18+
15	Mains spindle
16	Flat key 6x50
17	Roller aluminium
18	Wave gasket 41mm \varnothing
19	Bearing base aluminium
20	Big gear 40cr
21	Worm wheel shaft
22	Bearing 608-rs (2)
23	Wave gasket 21mm \varnothing
24	Aluminium cover
25	Round rubber circle
26	Hexagonal locknut m5 (8)
27	Bearing 6003-rs
28	Circlip for hole 35mm \varnothing 65mn
29	Circlip for shaft 17mm \varnothing 65mn (2)
30	Pin 3mm \varnothing 5x20
31	Worm 40cr
32	Big motor 12v
33	Long screw m6x157 stainless steel (2)
34	Flat gasket 6mm \varnothing (2)
35	Elastic gasket 6mm \varnothing (2)
36	Hexagonal locknut m6 (2)
37	Radiator fan nylon
38	Circlip for shaft 8mm \varnothing 65mn (2)

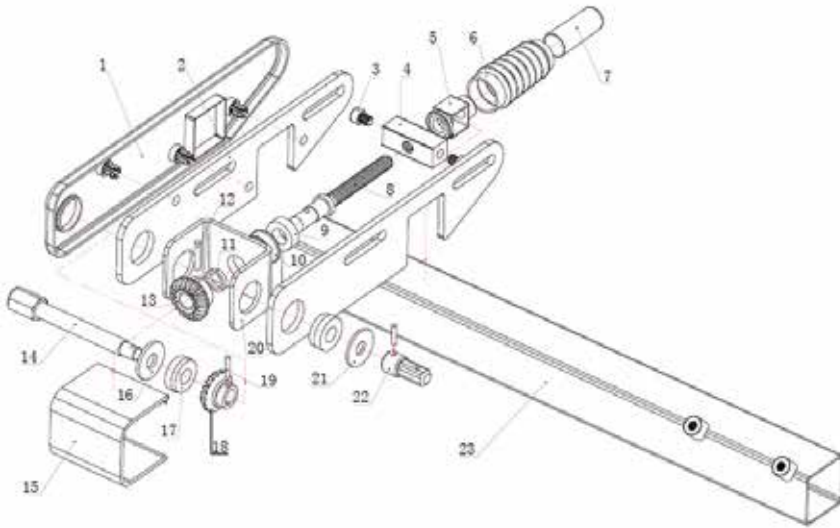
Electric Corner Steadies



REF DESCRIPTION

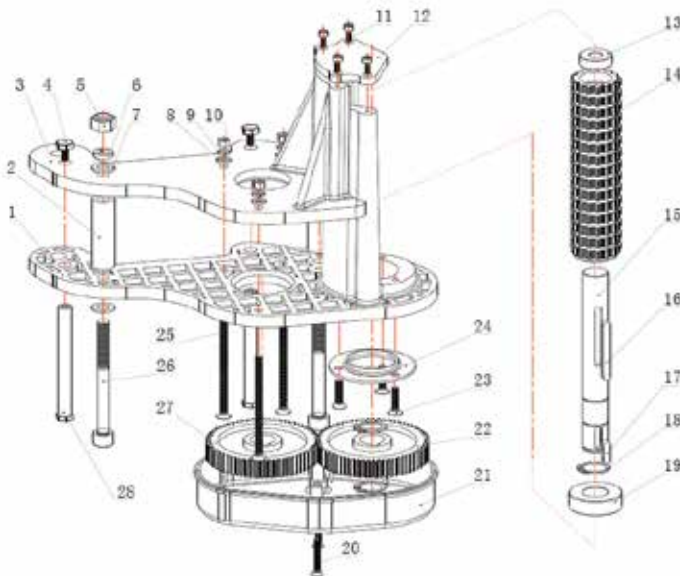
1	Small motor
2	Flange
3	Screw m3 x 8 (10)
4	Gearbox #45
5	Flat gasket 2 stainless steel
6	Planets wheel-1 nylon (3)
7	Planets wheel plane-1
8	Flat gasket 1 stainless steel
9	Iron planets wheel (6)
10	Planets wheel plane-2
11	Export shaft
12	Flat key 2 x 10
13	Bearing 6906 (2)
14	Flat gasket 6mm \varnothing (2)
15	Bearing base #45
16	Coupling - c aluminium
17	Coupling - b plastic
18	Coupling - a aluminium
19	Plain bearing base aluminium
20	Screw m4 x 16 s/s (4)
21	Plain bearing axk1226
22	Copper bush
23	Circlip for hole 26mm \varnothing
24	Screw 40cr
25	Pin 3mm \varnothing 5x20
26	Rubber bellows
27	Inside hex bolt m4 x 25 (3)
28	Copper nut
29	Tailstock aluminium
30	Outside hex bolt m10 x 41 s/s (2)
31	Flat gasket 10mm \varnothing (2)
32	Iron bush (2)
33	Rubber stopper

Semi-Automatic Mover



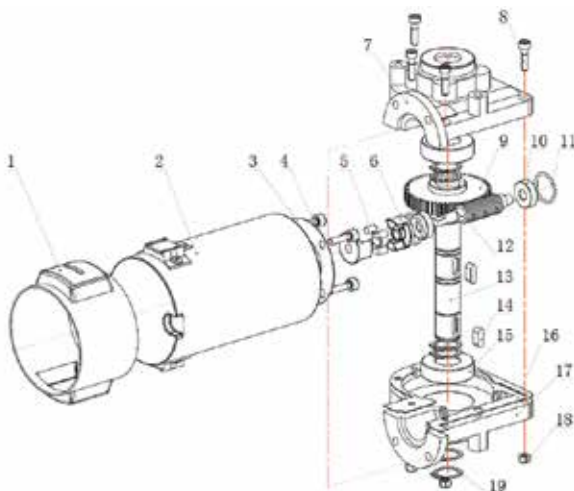
DESCRIPTION - TRESTLE

1	Plastic cover abs
2	Retaining plate (2)
3	Inside hexagonal bolt m8 x 10 (2)
4	Feed screw nut #45
5	Plastic cover abs
6	Rubber bellows
7	Plastic cover abs
8	Screw rod #45 (20)
9	Bearing pedestal
10	Nylon gasket
11	Cylindrical pin ø5mm x 30
12	Bevel gear 2
13	Principal axis #45
14	Plastic cover abs
15	Plain washer ø14x3
16	Nylon lining (2)
17	Bevel gear 1
18	Cylindrical pin ø3.5mm x 20 (2)
19	Tailstock
20	Plain washer ø12x3
21	Adapter connector #45
22	Square steel tube



DESCRIPTION - BODY ASSEMBLY

1	Wallboard 1 cast aluminium
2	Seamless tube ø18x4 (2)
3	Wallboard 2 cast aluminium
4	Hexagonal headed bolt m5x10 (4)
5	Lock nut m10 (2)
6	Spring washer ø10mm (2)
7	Plain washer ø10mm (2)
8	Plain washer ø6mm (3)
9	Spring washer ø6mm (3)
10	Lock nut ø6mm (3)
11	Inside hexagonal bolt m4x16 (4)
12	Coverplate assembly #45
13	Bearing 6000-2rs
14	Aluminium roller
15	Roller shaft #45
16	Flat key 6x50
17	Flat key 6x18
18	External circlip 65mn (3)
19	Bearing 6004-2rs
20	Cross recessed panhead screw m6x16 (3)
21	Plastic cover abs
22	Bevel wheel 40cr
23	Cruciform slot panhead screw m6x16 (3)
24	Bearing plate
25	Cruciform slot panhead screw m6x85 (3)
26	Hexagonal headed bolt m10x95 (2)
27	Bevel wheel (l)
28	Principal axis ø10x93



DESCRIPTION - WORM ASSEMBLY

1	Electromotor sleeve rubber
2	Electromotor
3	Paper gasket
4	Hexagon headed bolt m6x20 (4)
5	Coupling b rubber
6	Coupling a cast aluminium (2)
7	Wormgear case (l) cast aluminium
8	Inside hexagonal bolt m5x20 s/s (4)
9	Turbine - alloy
10	Bearing (2)
11	Seal ring rubber (2)
12	Worm 40cr
13	Turbine shaft #45
14	Flat key 6x18 (2)
15	Bearing (2)
16	Paper washer
17	Wormgear case cast aluminium
18	Lock nut m5 (4)
19	External circlip 65mn (4)

Common spare parts list



**Digital control box
Single axle Fully Auto**
006741



**Digital control box
Twin axle Fully Auto**
006744 2 motor
007645 4 motor



Remote Control FB2
With standard software
006660



Remote Control FB3
With INTEL software
006662



Centre bar with sync. bars
For semi automatic mover 006698



Winding handle
For semi automatic mover
006699

Other spares not illustrated

**Digital control box
Electronic legs**
006654

Bolts for mounting set
006669

New connector set
4 pieces
006677

Rubber seal
For electric leg motor 4 pieces
006688

Upper clamp bracket
006665

Wiring set for mover
006673

Electric leg motor
006681

HEAT triac print
006689

Lower clamp bracket
006666

Main switch
006675

T-tool for mover
006686

PicKit 2
006703

KRONINGS WARRANTY!

All Kronings movers are covered by a 5 year manufacturers warranty, when serviced after years 1 and 3. Each product is carefully tested before dispatch to the UK. *Most* problems are installation issues. If you have followed the instructions please do the simple checks on the following page before reporting any problems to eliminate wiring and installation issues.

**If after following these instructions you still have problems
please call 0161 367 7070 for assistance**

KRONINGS MOVER FITTING GUIDE

Problems for single axle movers!

- First ensure that the power is turned on to the control box by turning the power switch (1) on. This should be done before turning the handset on or pairing does not complete properly. If the handset is already on, simply press and hold the select button for 3 seconds (which switches it to the electronic legs), giving the effect of turning the handset off. LED 2 will blink (A)
- Press the LEARN button (2) inside the control box and LED 1 will be on, and LED 2 will blink (B).
- Now turn on the handset (press the Select button (3) once), the LED1 will blink once, to acknowledge the signal from the handset.
- Turn off the power at the switch.
- Wait 10 seconds.
- Turn the power back on.
- The system is now ready to use. LED 1 and LED 2 will be on (C)!



Control board (PCB)



(1) Power switch
AKA Kill switch,
isolator switch or
Safety switch



(2) Learn button position



(3) Select button position



LEDs



(A) When power is switched on
for first time LED 2 will blink

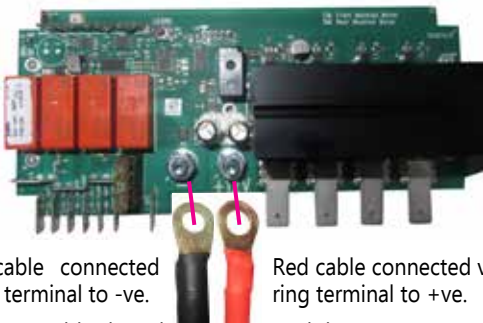


(B) Learning process started



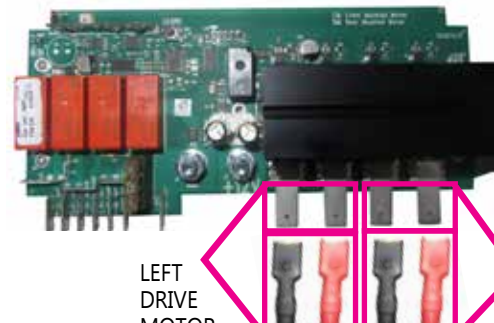
(C) Paired correctly

If, after connecting up, the LEDs do not follow this sequence there is something wrong. Please Check the wiring as follows.



Black cable connected via ring terminal to -ve. Red cable connected via ring terminal to +ve.

NB. If these cables have been connected the wrong way, then there is a chance the actuator motor could be damaged stopping the rollers engaging to the tyres on fully automatic models! Please call for assistance.



LEFT DRIVE MOTOR

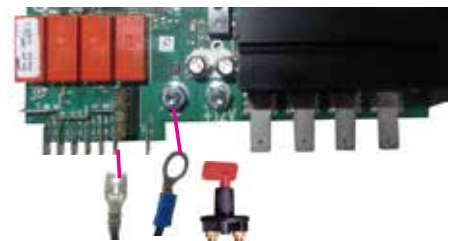
RIGHT DRIVE MOTOR

If rear mounted (as recommended) it should be wired as shown. If front mounted it should be mounted in reverse (red black red black +ve -ve +ve -ve)

SAFETY SWITCH CONNECTION

(ALSO KNOW AS KILL SWITCH OR POWER SWITCH)

The kill switch should not be connected in-line. **It should be connected as shown!** To the -ve connection on the PCB using the ring terminal (supplied) - on to one of the terminals on the Safety Switch - then to the terminal marked "Safety Switch" on the PCB by the push-on terminal (supplied) from the other terminal on the safety switch. NB. The cable supplied will need to be cut and may need to be lengthened (replace the full length of cable with similar size cable).



Problems for twin axle movers!

Each control board should have its own power cables connected as shown for single axles. The motors should be connected as shown for single axles (red black red black) for the PCB controlling the rear mounted motors and in reverse (black red black red) for the PCB controlling the front mounted motors. One Safety Switch should be connected to both PCBs as shown for the single axle movers. On each control board there is a 5 pin jumper. Using the connector cable provided connect both boards together as shown in the picture adjacent. When pairing, turn on power switch then handset as per instructions for single axles. One board will show the middle LED on, the other will show the middle LED flashing. Pair first with the board where the LED is flashing (the master) by following the bullet points above for single axle movers, then pair with the board where the LED is on (the slave).

