INSTRUCTIONS FOR INSTALATION AND USE

ST44M2V4P - a dual axis sun tracker

8 pcs

2 pcs

16 pcs

4 pcs

2 pcs

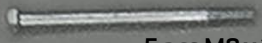
1 pcs

2 pcs

1 pcs

1 pcs

8 pcs



5 pcs M8 x 110mm

4 pcs M8 x 80mm

4 pcs M8 x 50mm

2 pcs M12 x 90mm

6 pcs M8 x 30mm

1 pcs M10 x 50mm

8 pcs M8 x 16mm

24 pcs M6 x 12mm

8 pcs M12 x 20mm

4 pcs M8 x 40mm

4 pcs M8 x 30mm

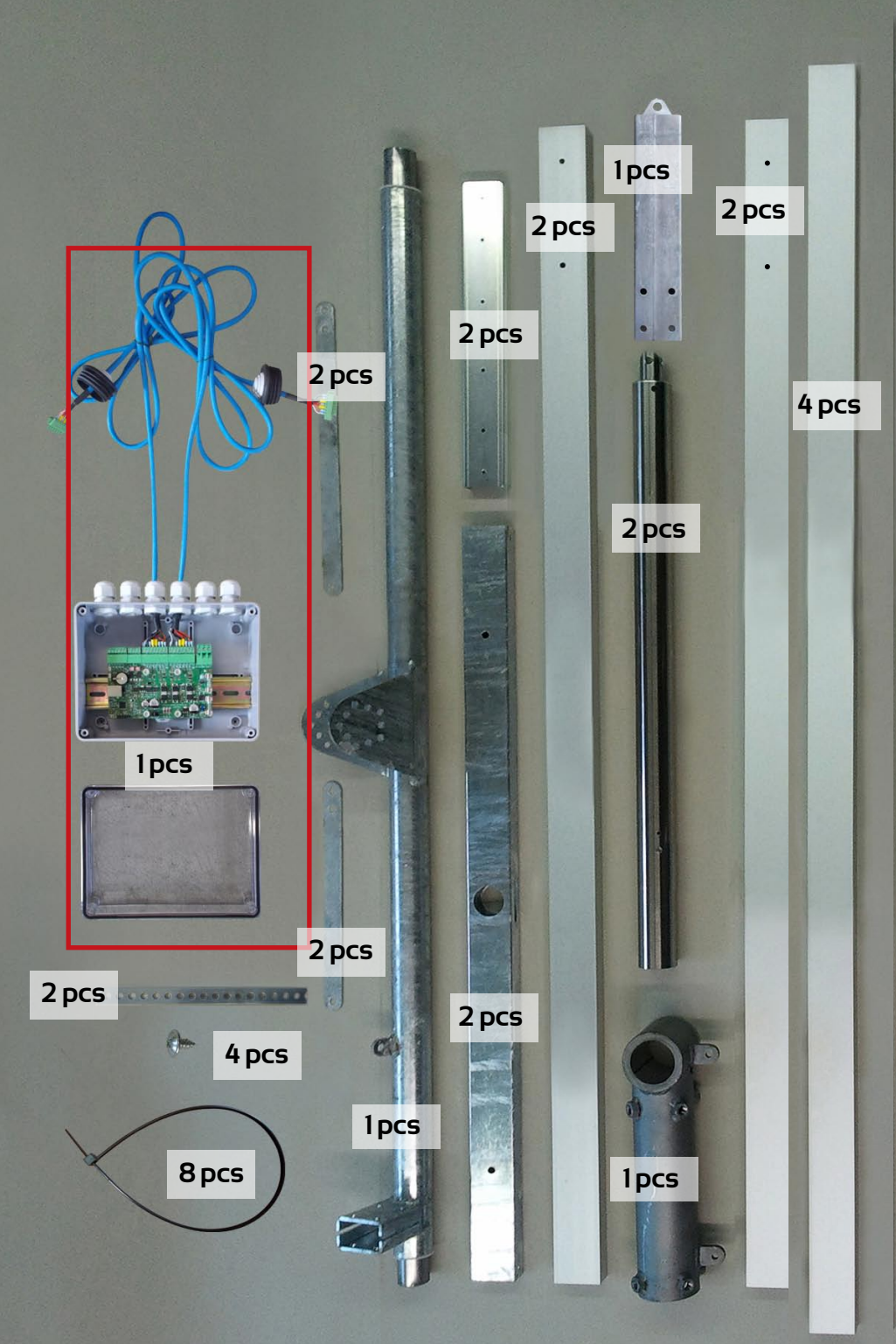
4 pcs M12

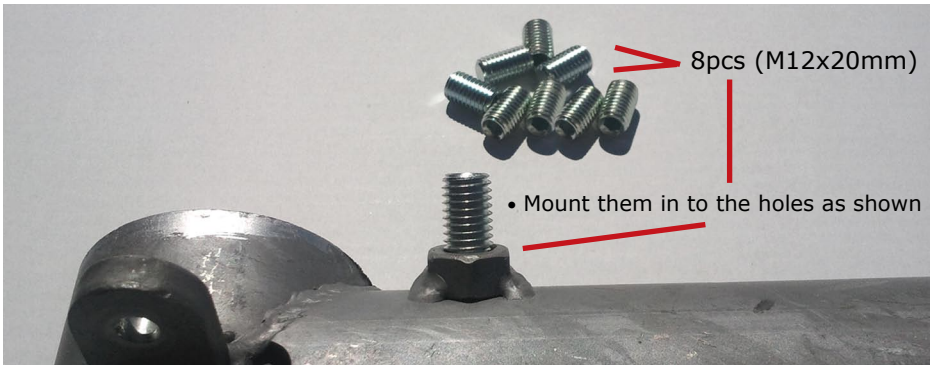
46 pcs M8

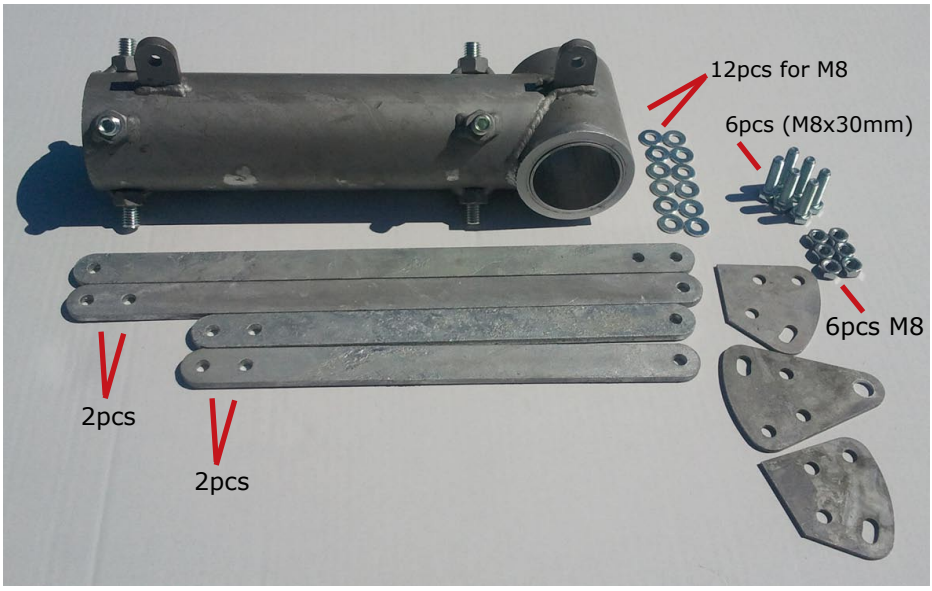
2 pcs M12

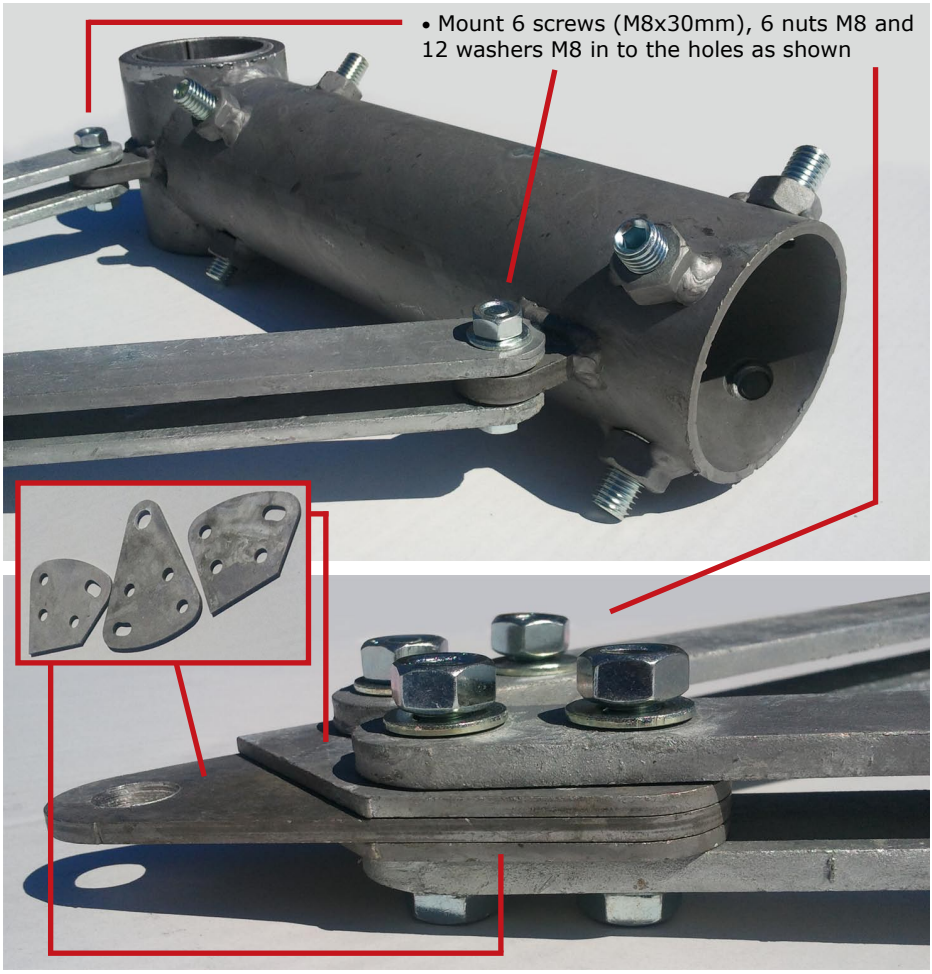
45 pcs M8

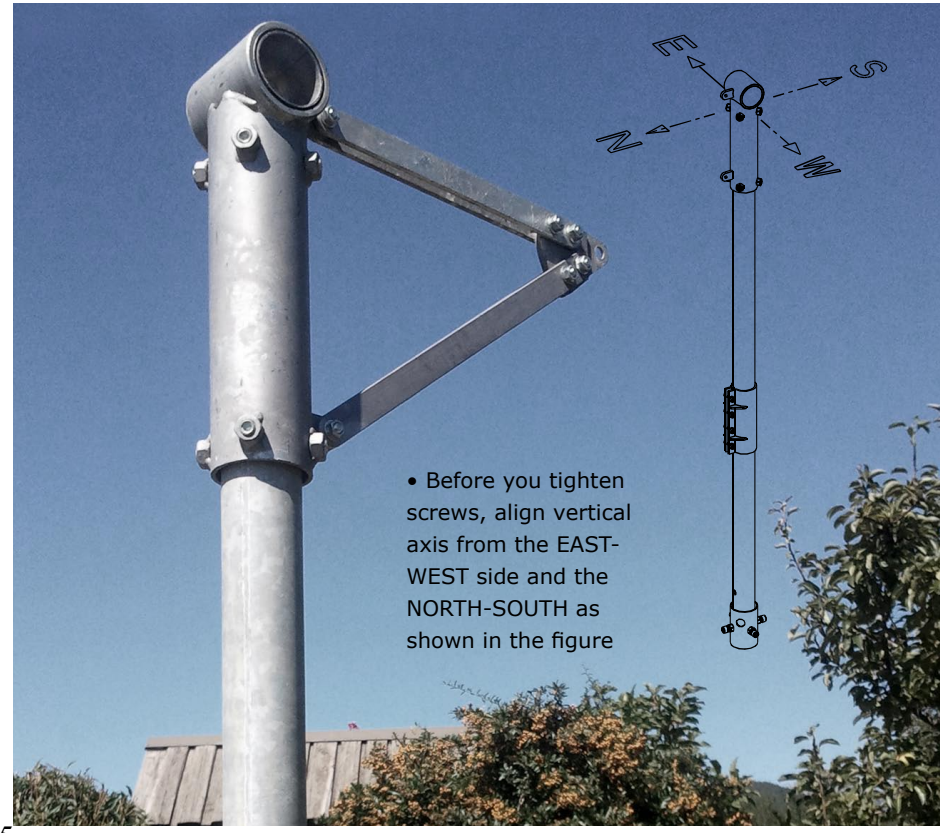
3 pcs Ø7mm


2 pcs
1 pcs
2 pcs
2 pcs
4 pcs
2 pcs
4 pcs
8 pcs
1 pcs
2 pcs
2 pcs
1 pcs
2 pcs
1 pcs
2 pcs
4 pcs

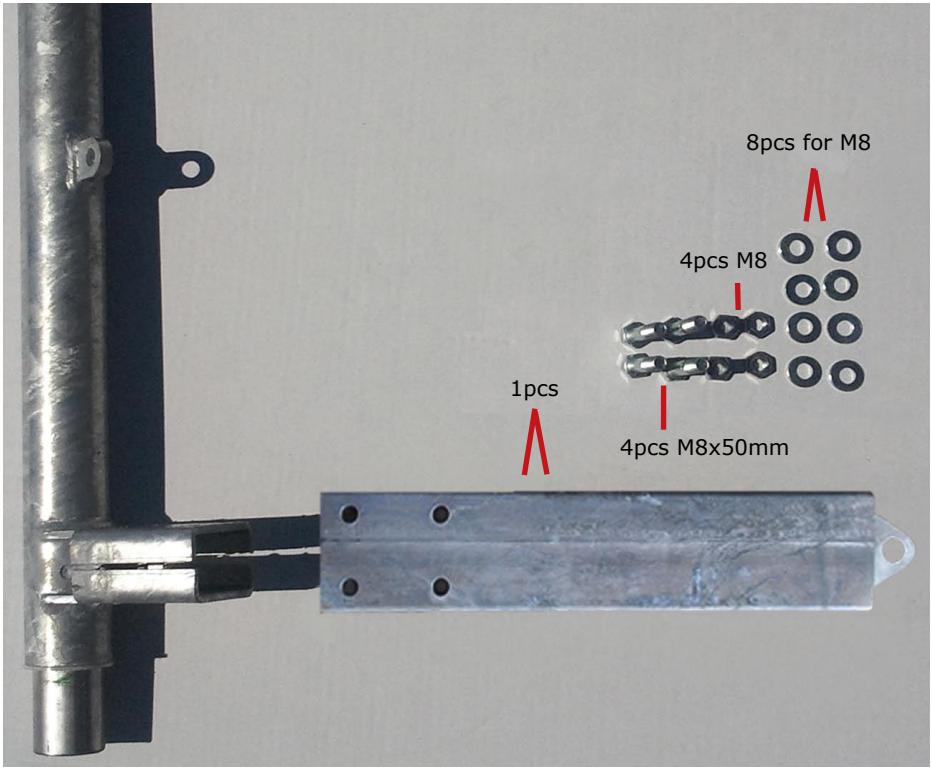

8pcs (M12x20mm)
• Mount them in to the holes as shown

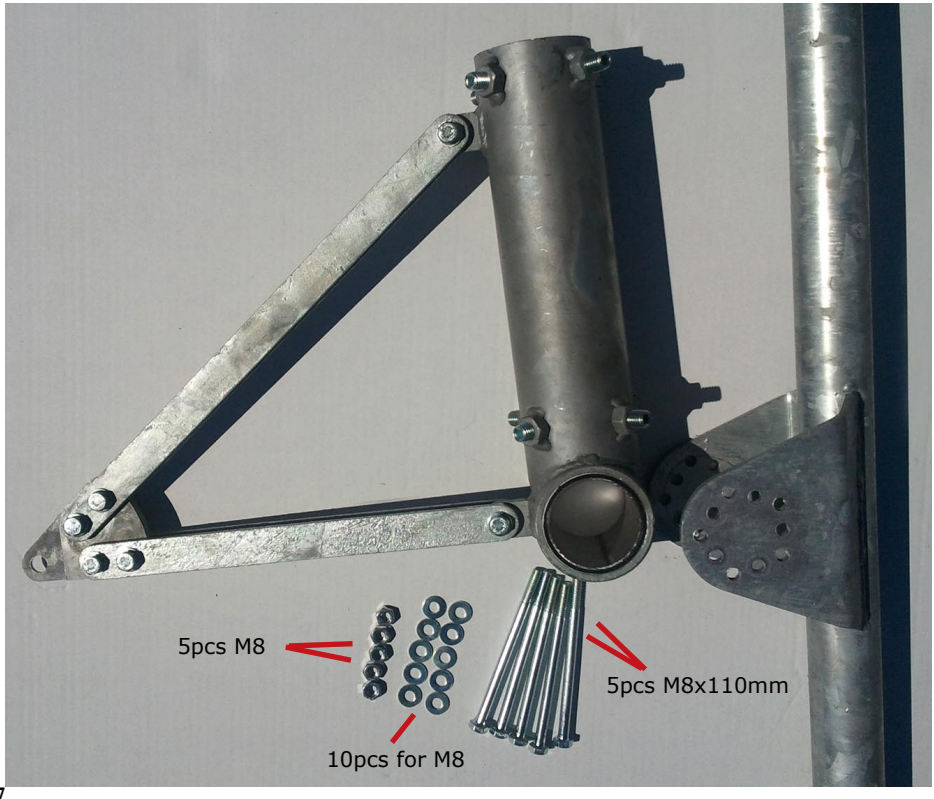

12pcs for M8
6pcs (M8x30mm)
6pcs M8
2pcs
2pcs

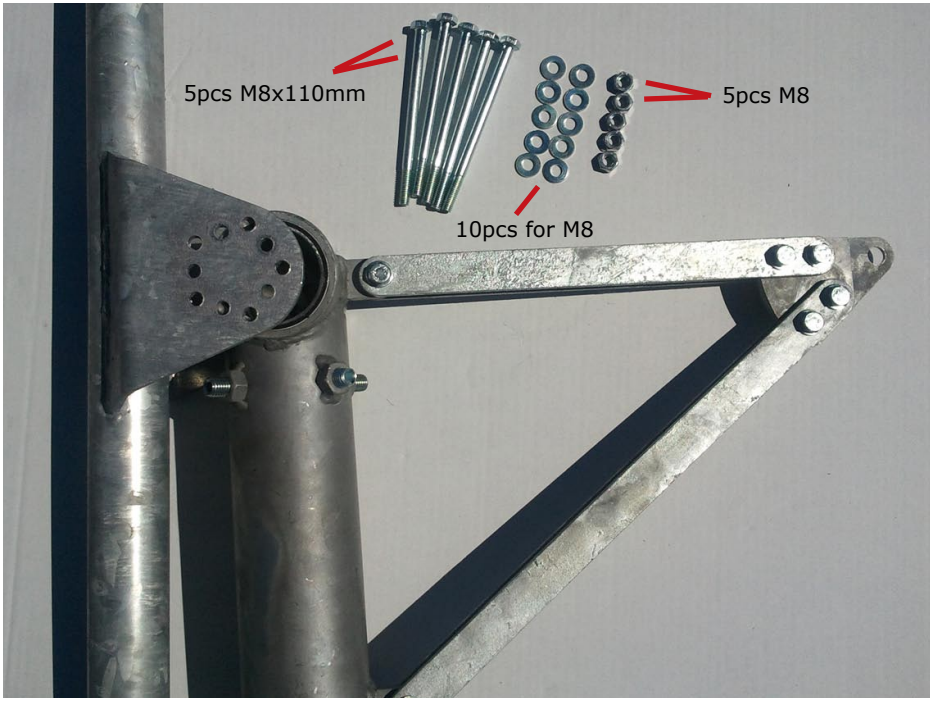

• Mount 6 screws (M8x30mm), 6 nuts M8 and 12 washers M8 in to the holes as shown

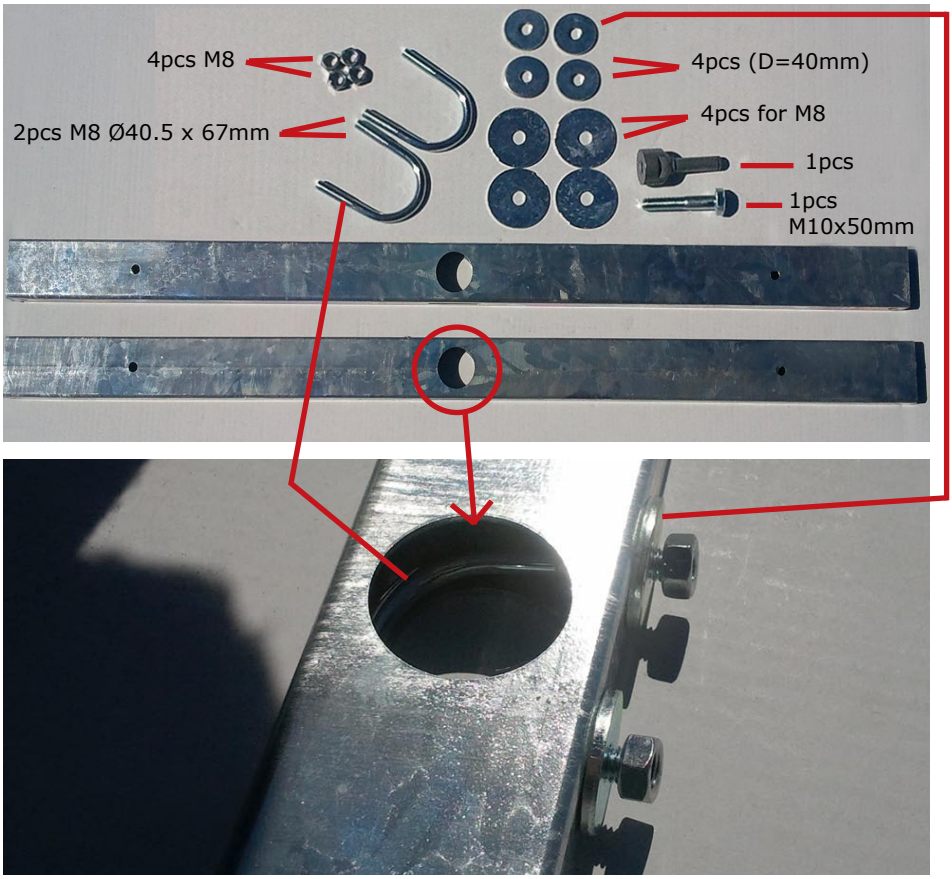


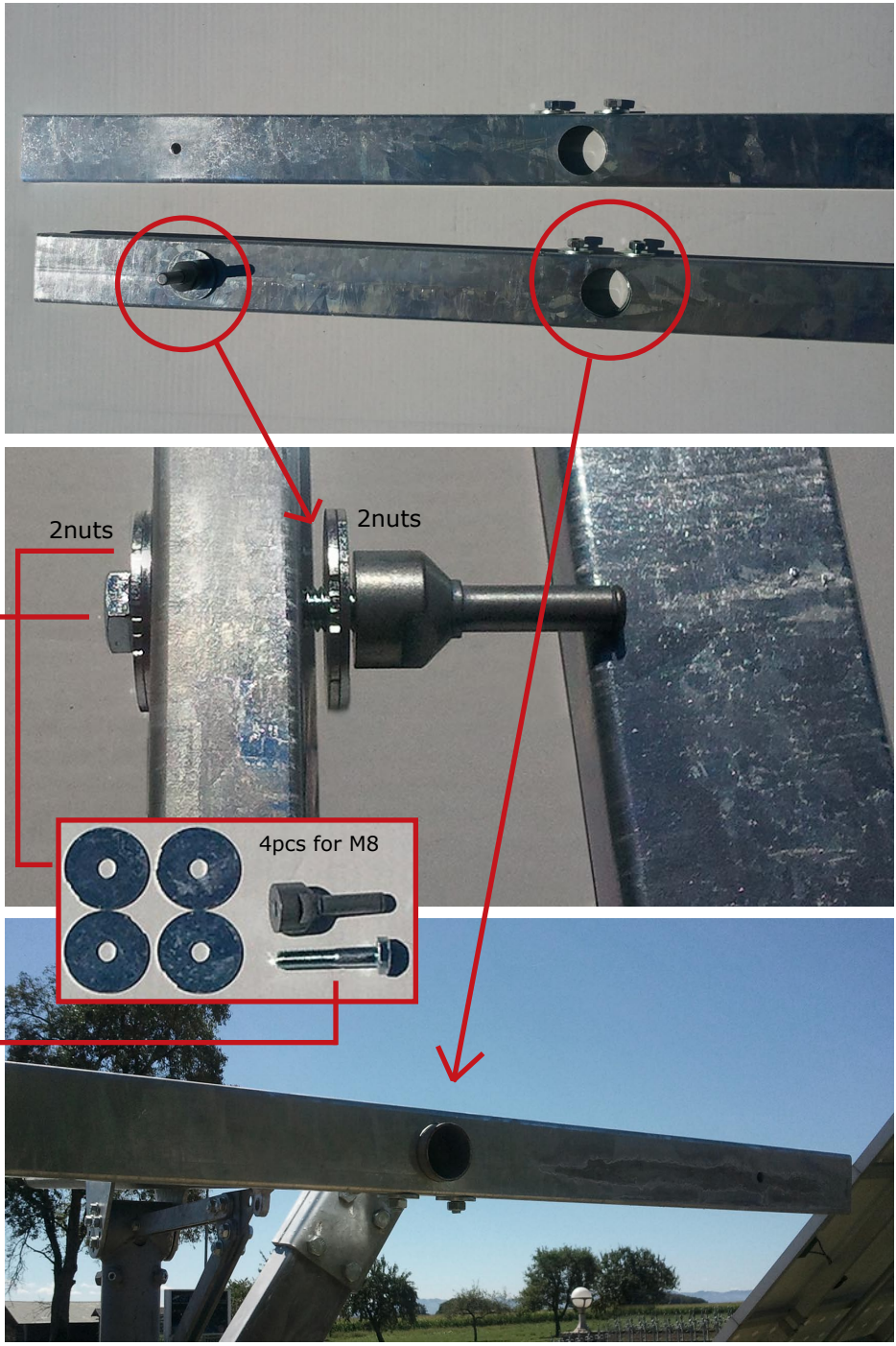
• Before you tighten screws, align vertical axis from the EAST-WEST side and the NORTH-SOUTH as shown in the figure


8pcs for M8
4pcs M8
1pcs
4pcs M8x50mm

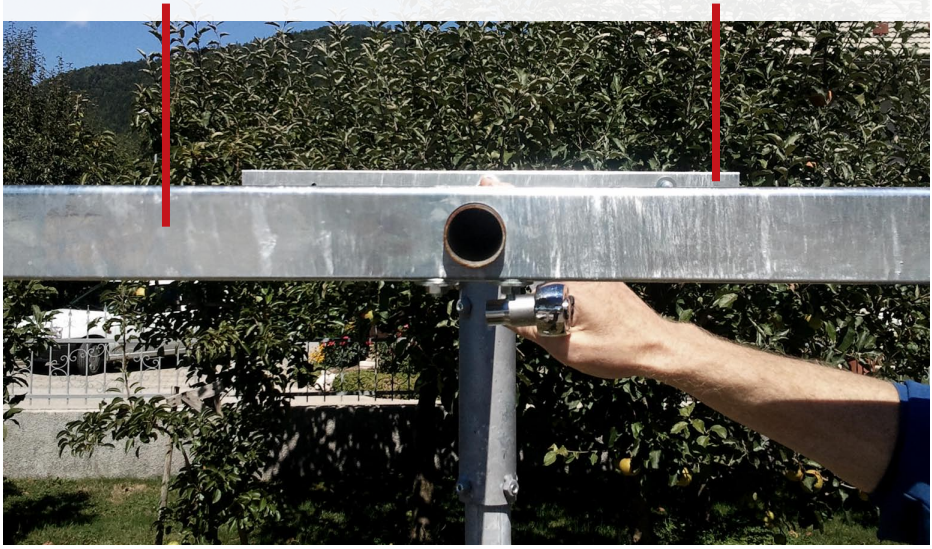

5pcs M8
10pcs for M8
5pcs M8x110mm

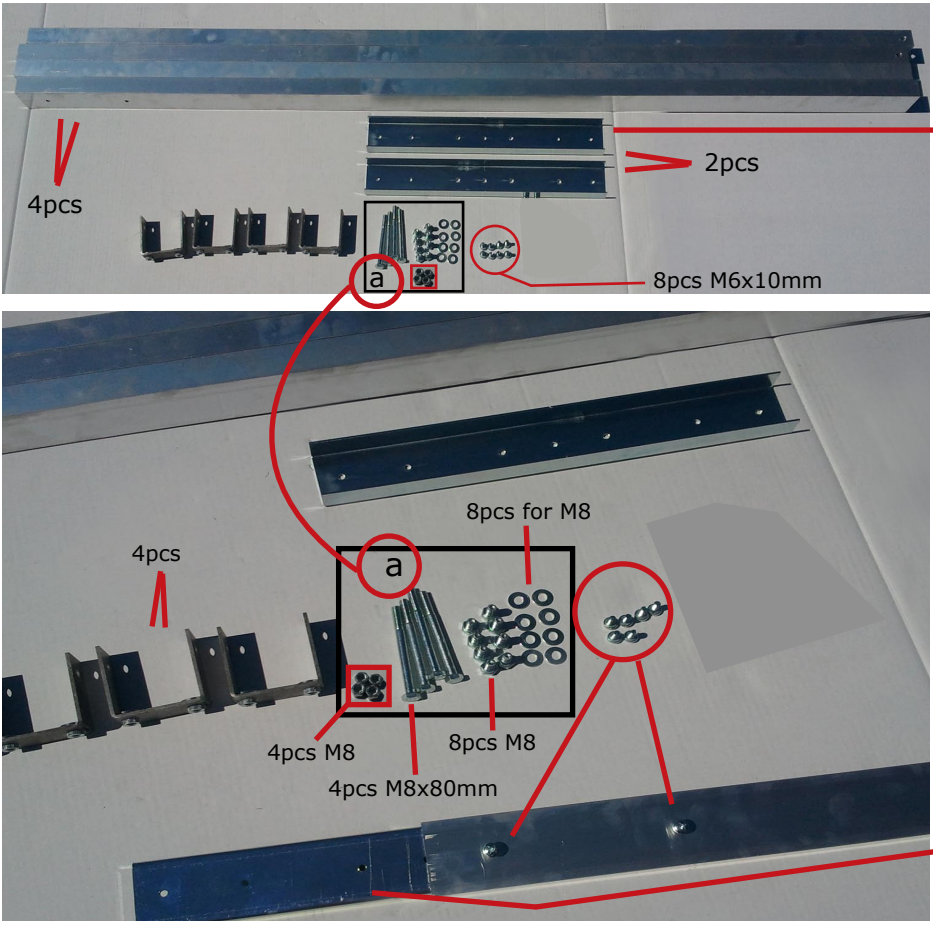

5pcs M8x110mm
5pcs M8
10pcs for M8

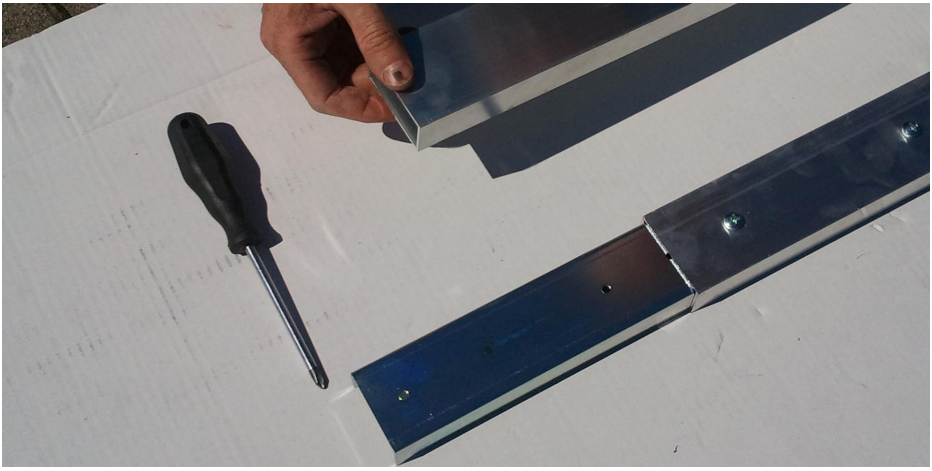

4pcs M8
4pcs (D=40mm)
2pcs M8 Ø40.5 x 67mm
4pcs for M8
1pcs
1pcs
M10x50mm

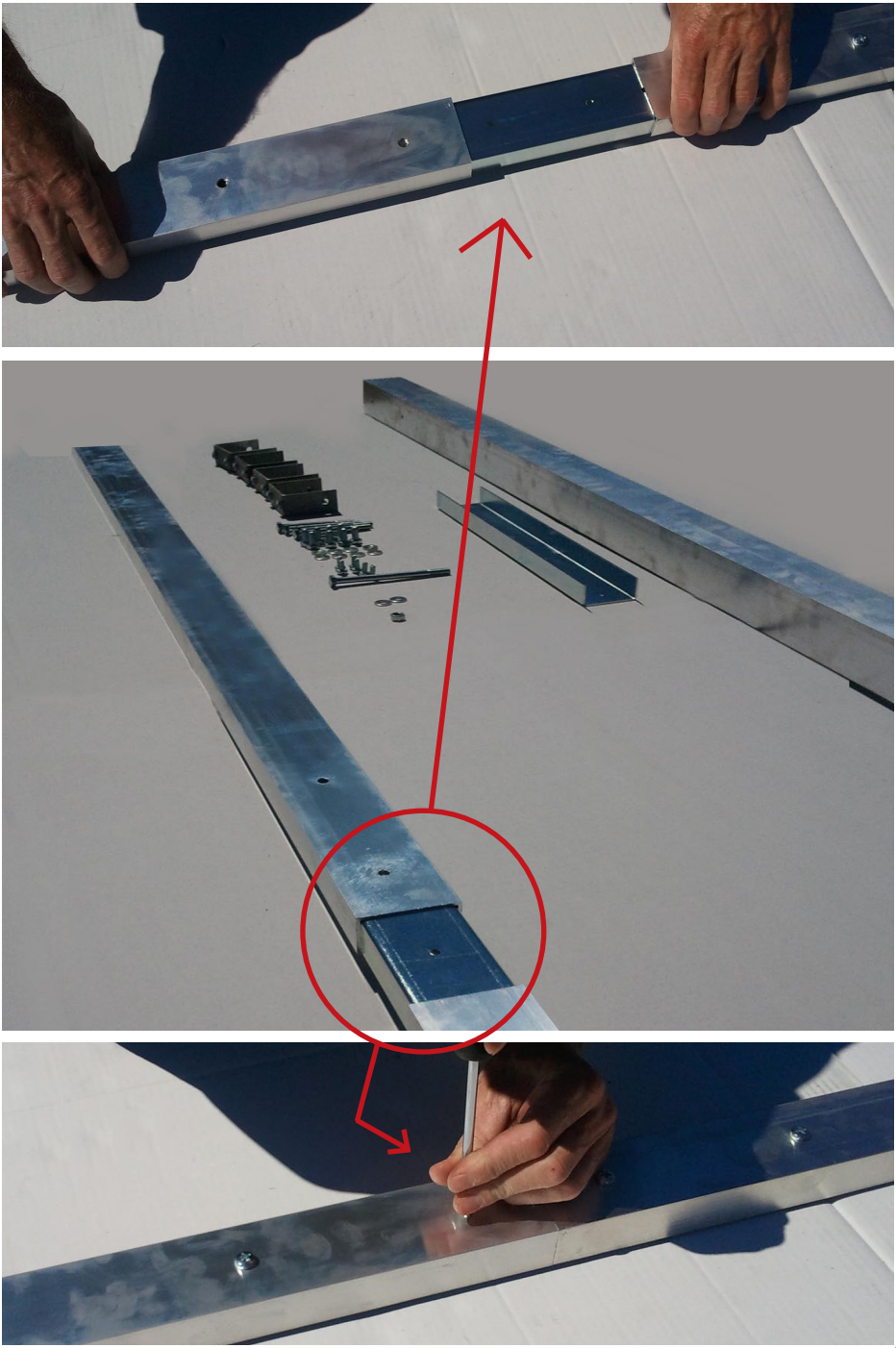

2nuts
2nuts
4pcs for M8

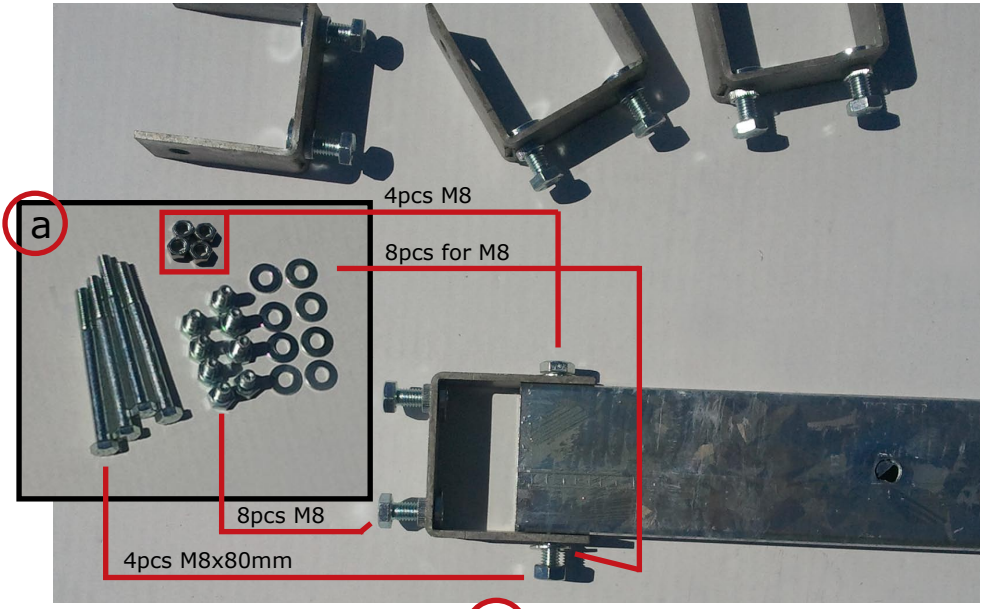
• Make sure that the two arms are perfectly parallel



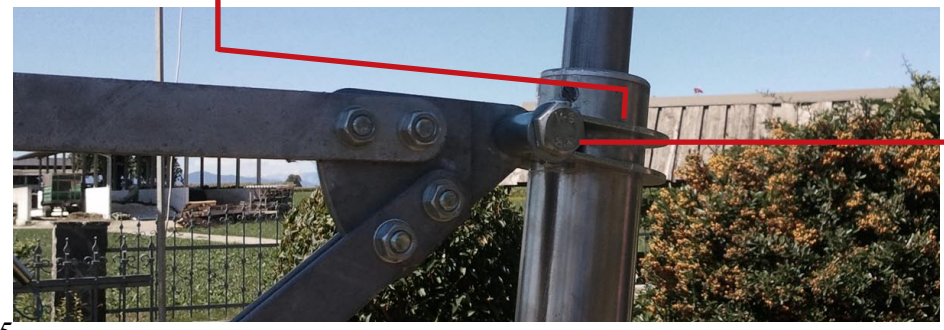

4pcs
2pcs
a
8pcs M6x10mm
8pcs for M8
4pcs
a
4pcs M8
8pcs M8
4pcs M8x80mm

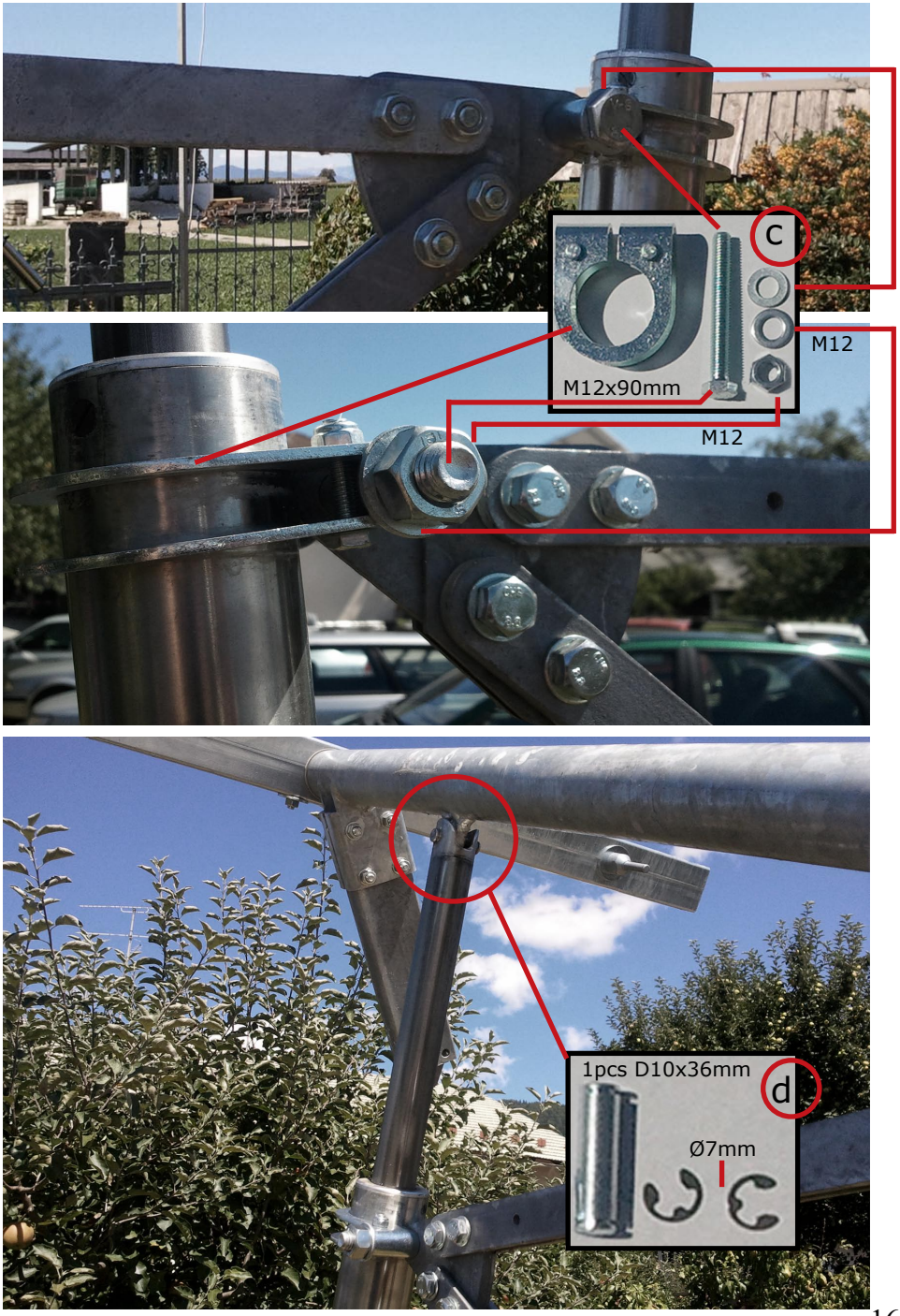


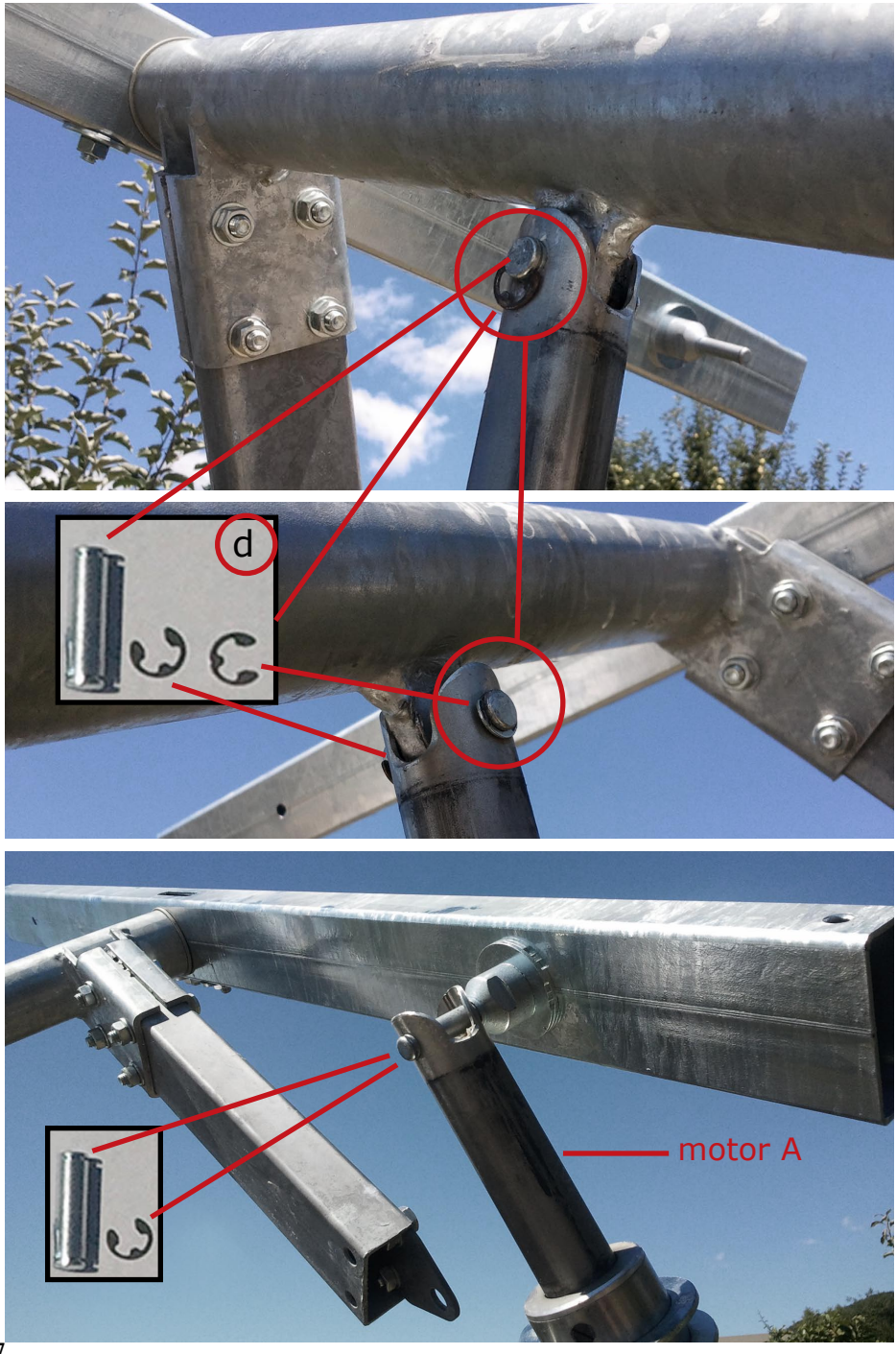


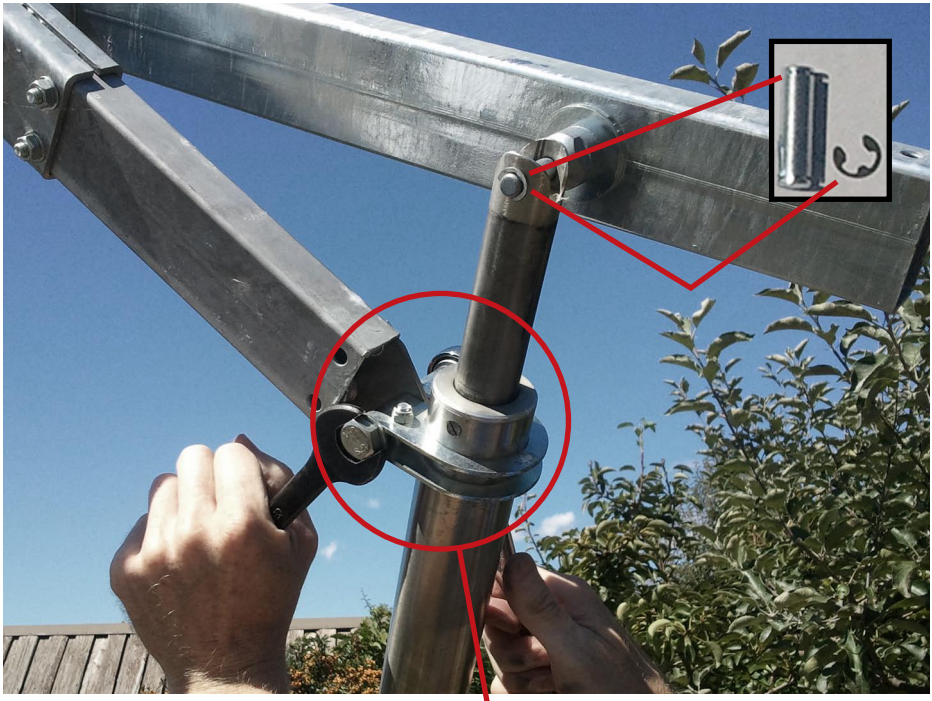

a
4pcs M8
8pcs for M8
8pcs M8
4pcs M8x80mm

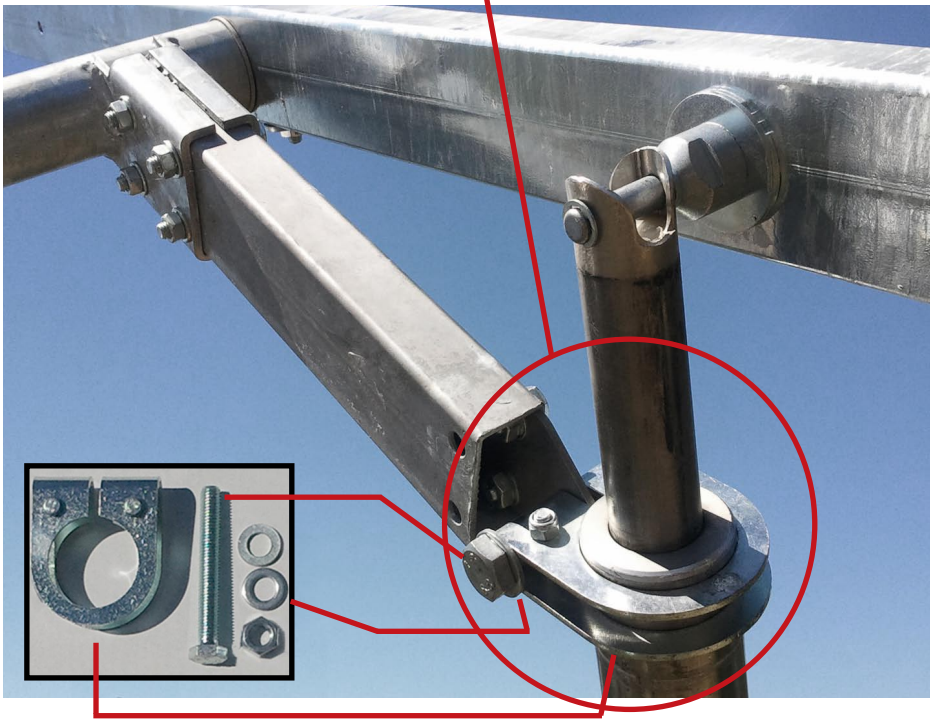
c
d
2pcs
1pcs D10x36mm
3pcs Ø7mm
2pcs M12
2pcs M12x90mm
4pcs for M12
2pcs (2motors)

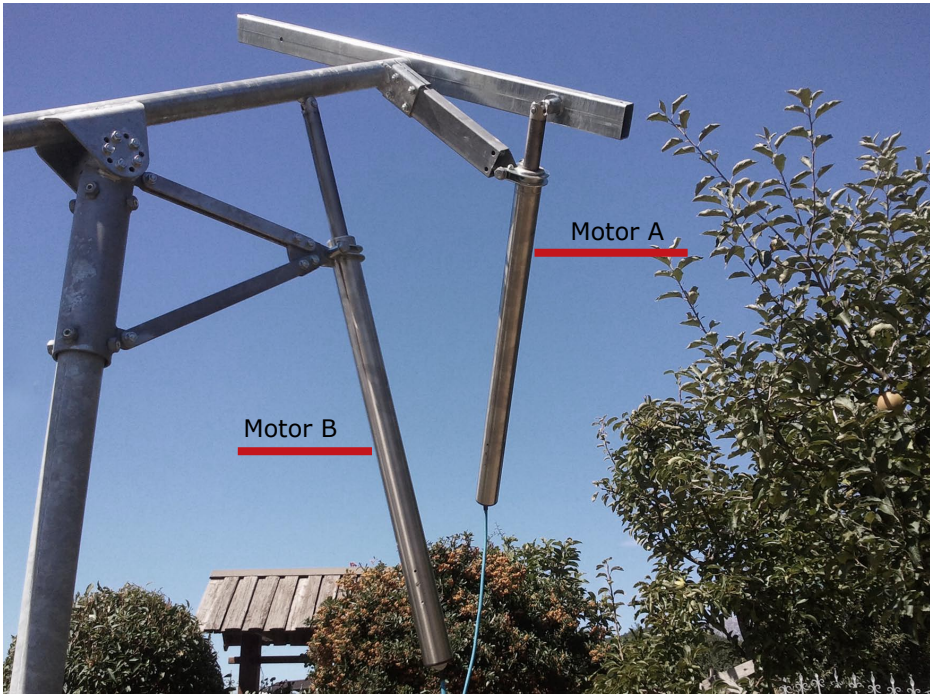


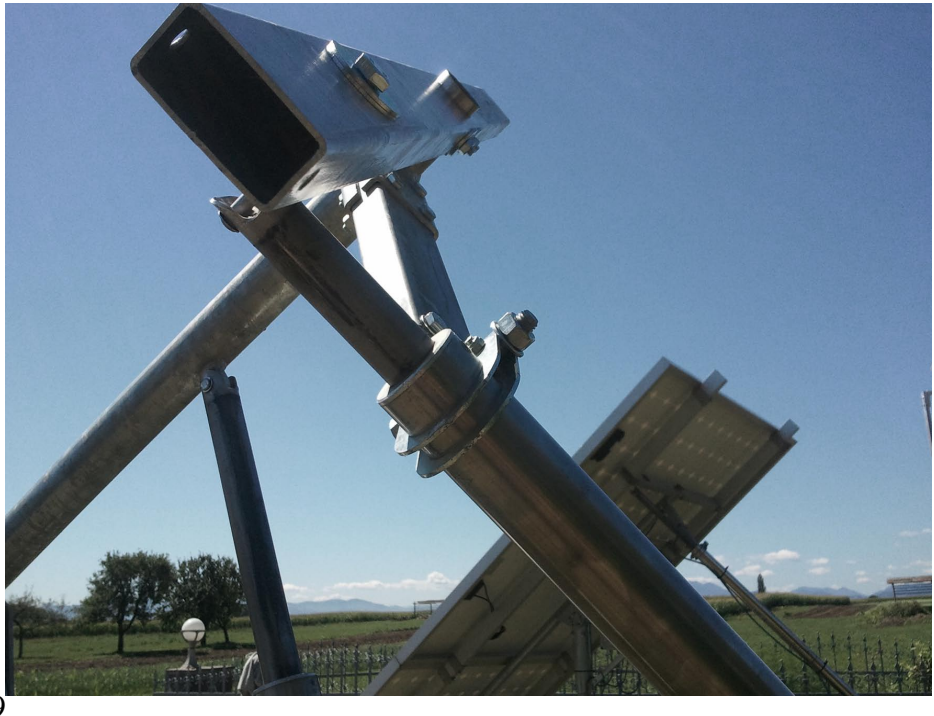

c
M12
M12x90mm
M12
1pcs D10x36mm
d
Ø7mm


d
motor A

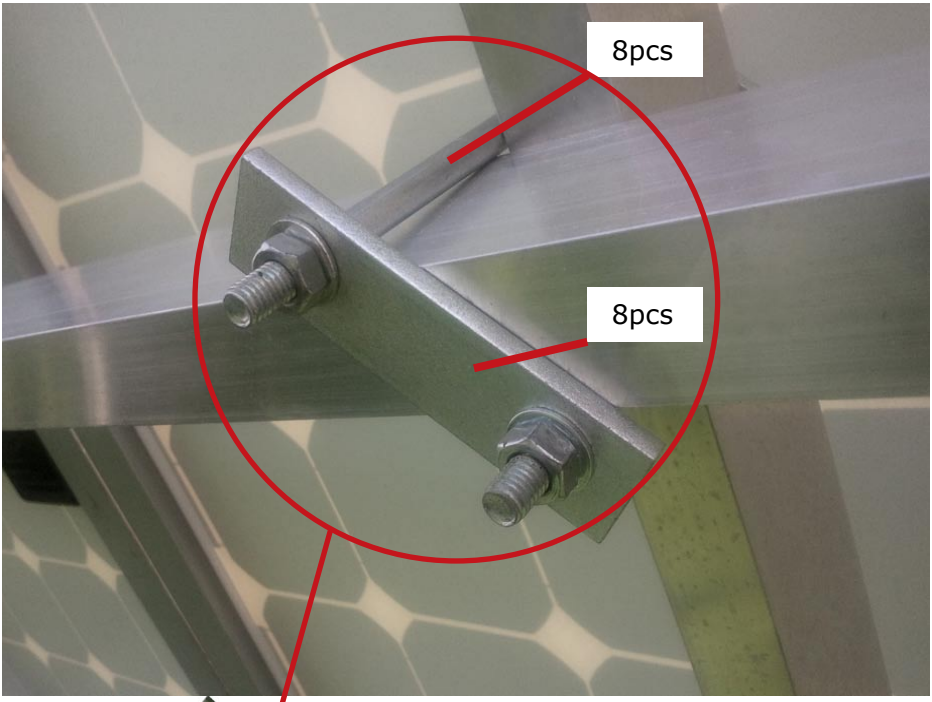


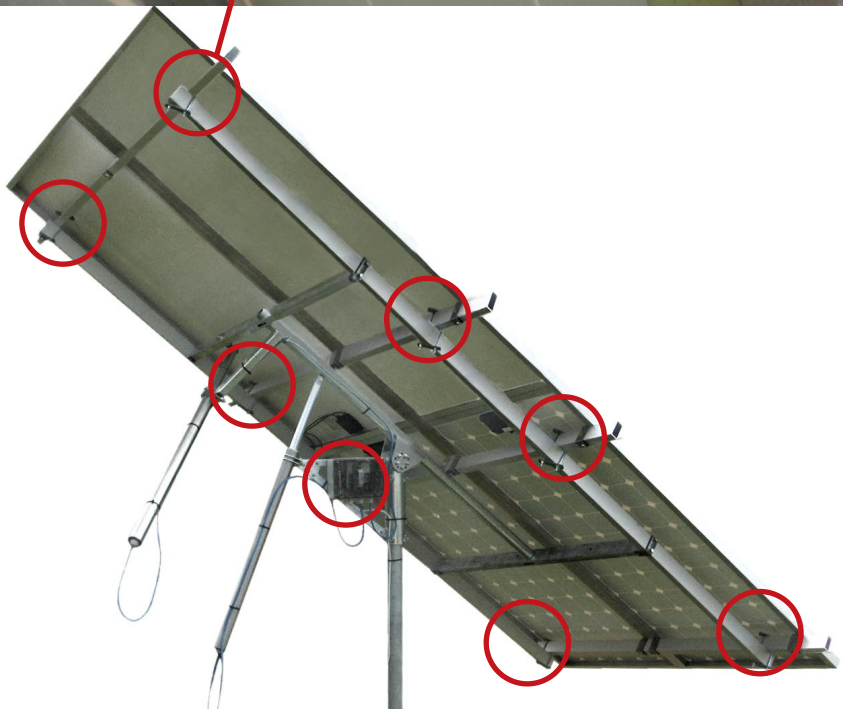


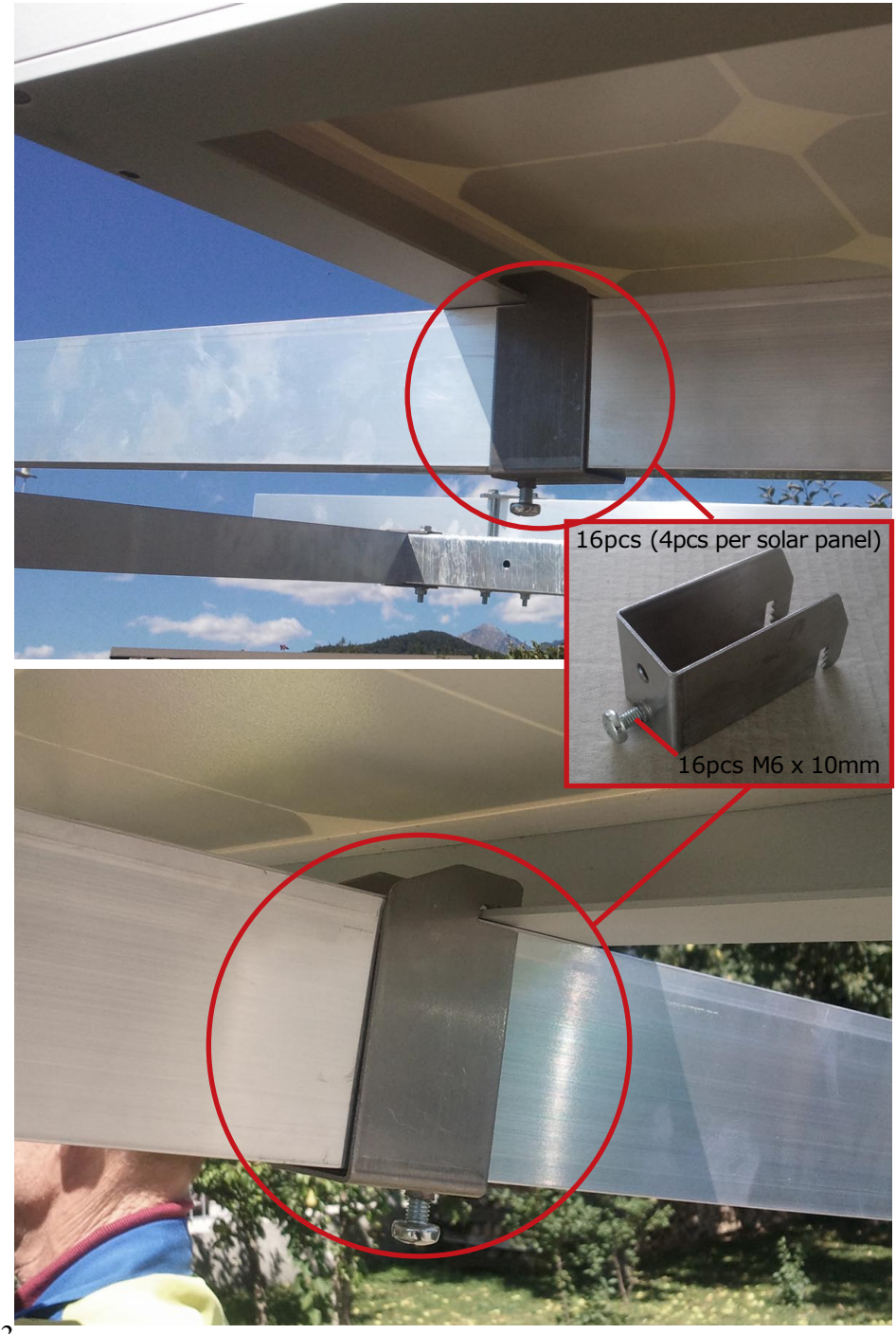

Motor A
Motor B

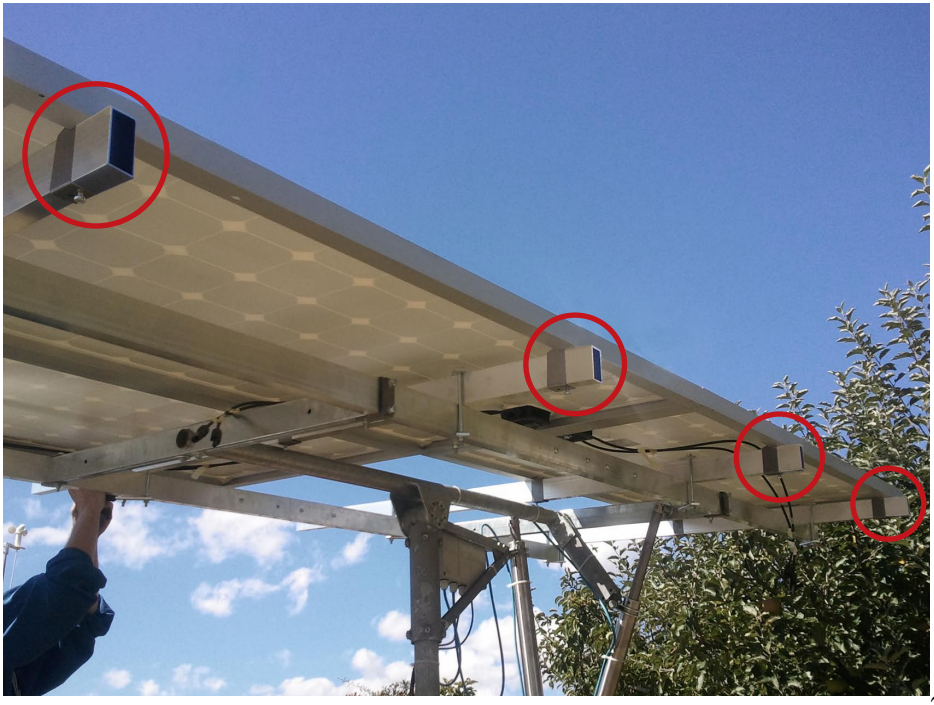


4pcs


8pcs
8pcs

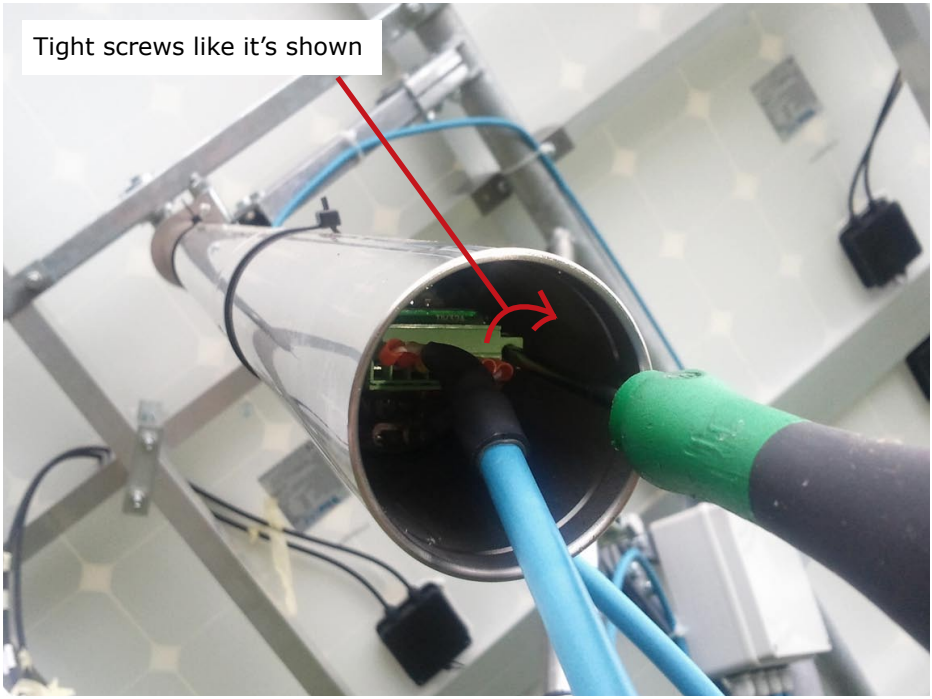


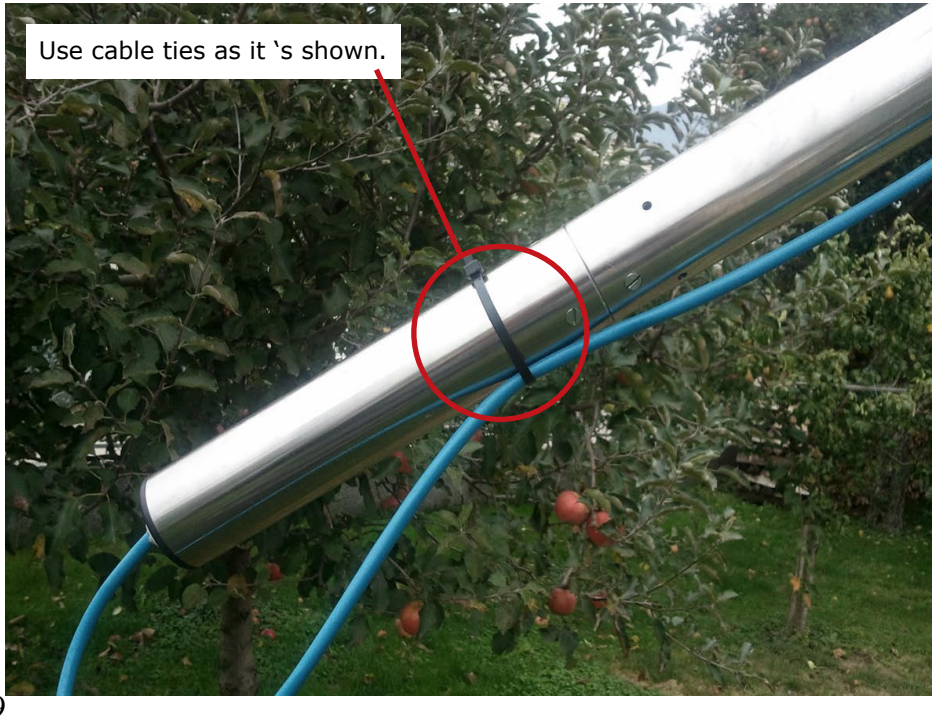

16pcs (4pcs per solar panel)
16pcs M6 x 10mm

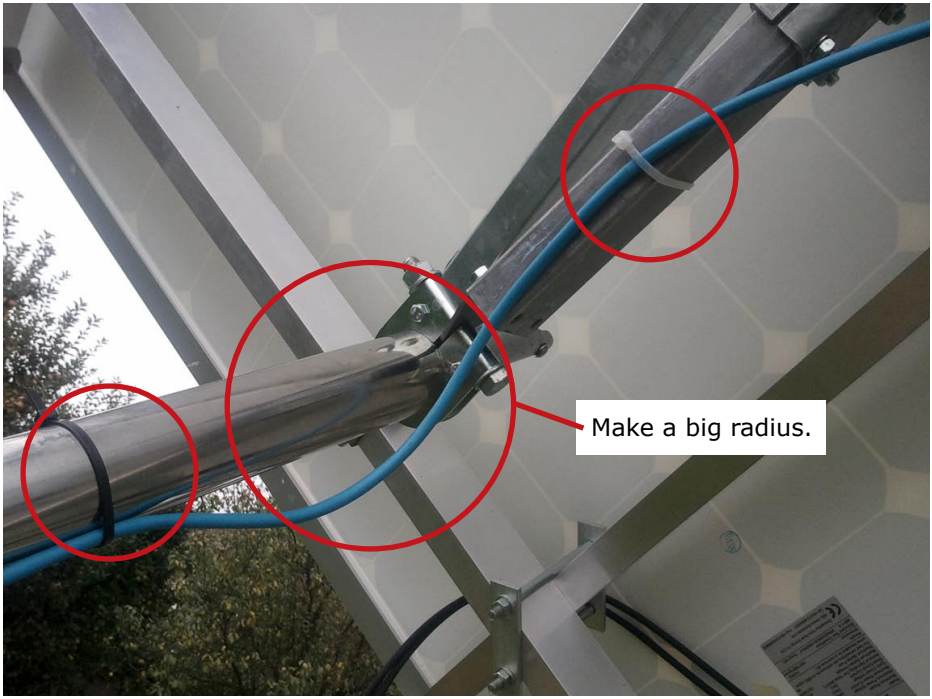


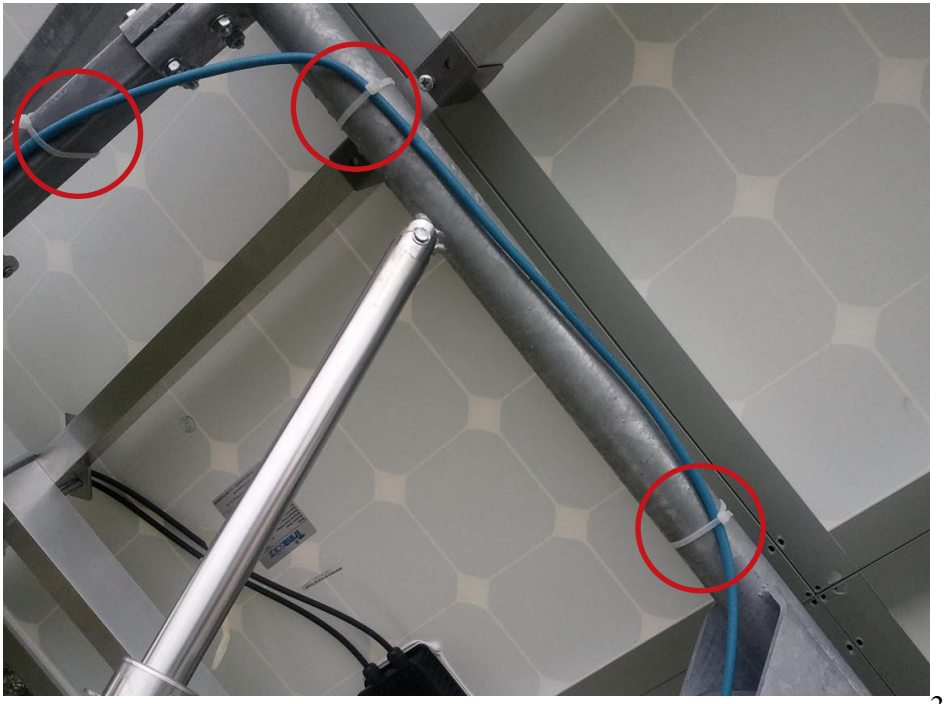
How to set the Motor Box!

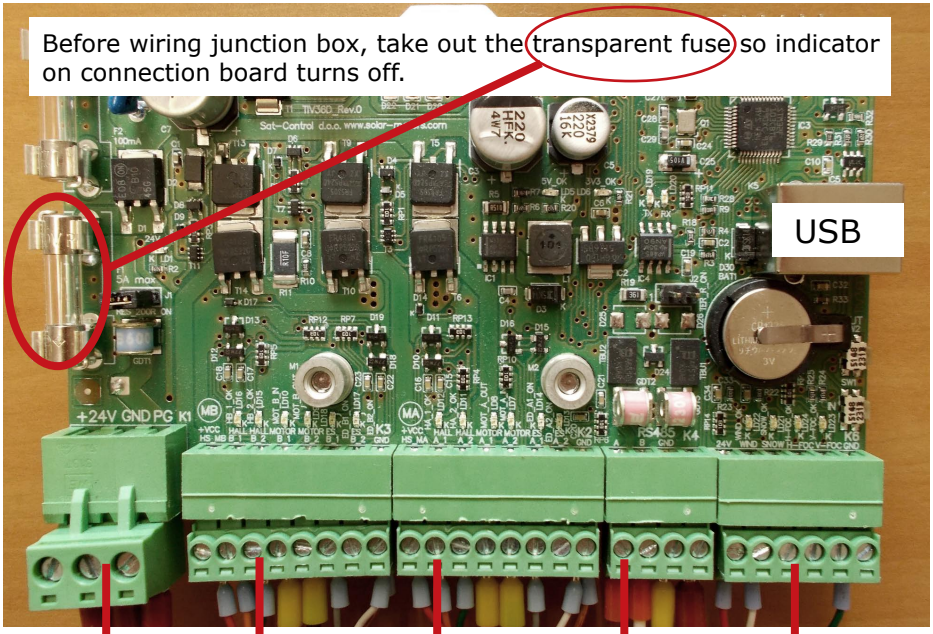
2 screws are already inside the connector

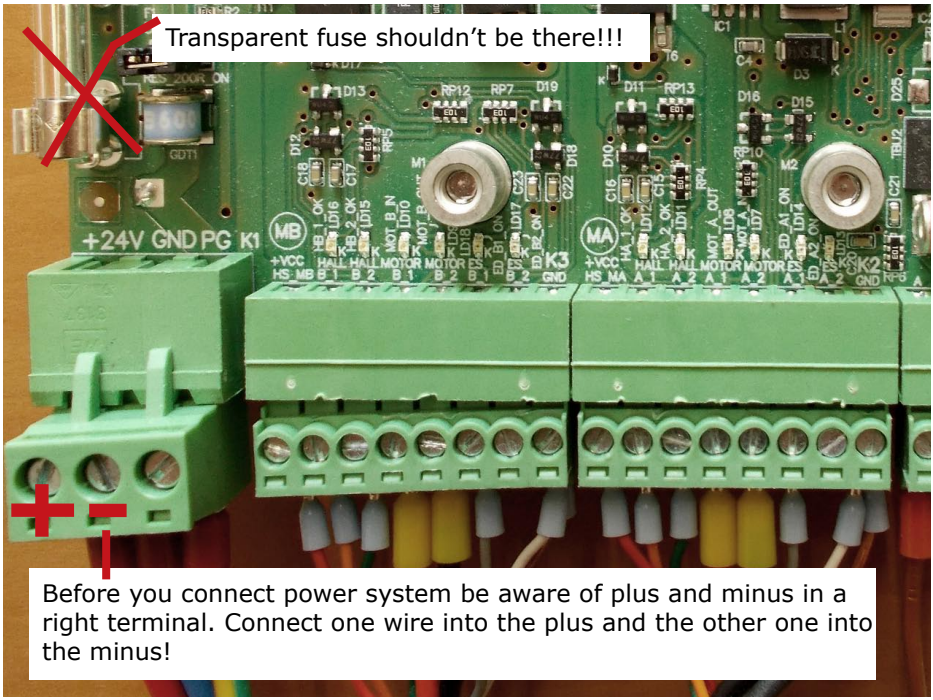

Tight screws like it’s shown

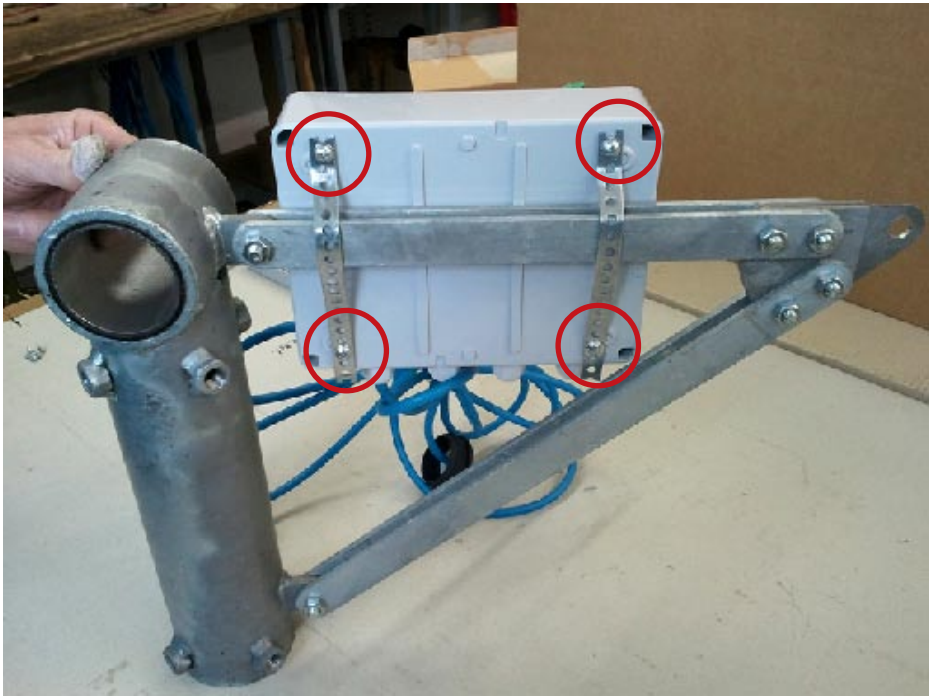

Use cable ties as it ‘s shown.

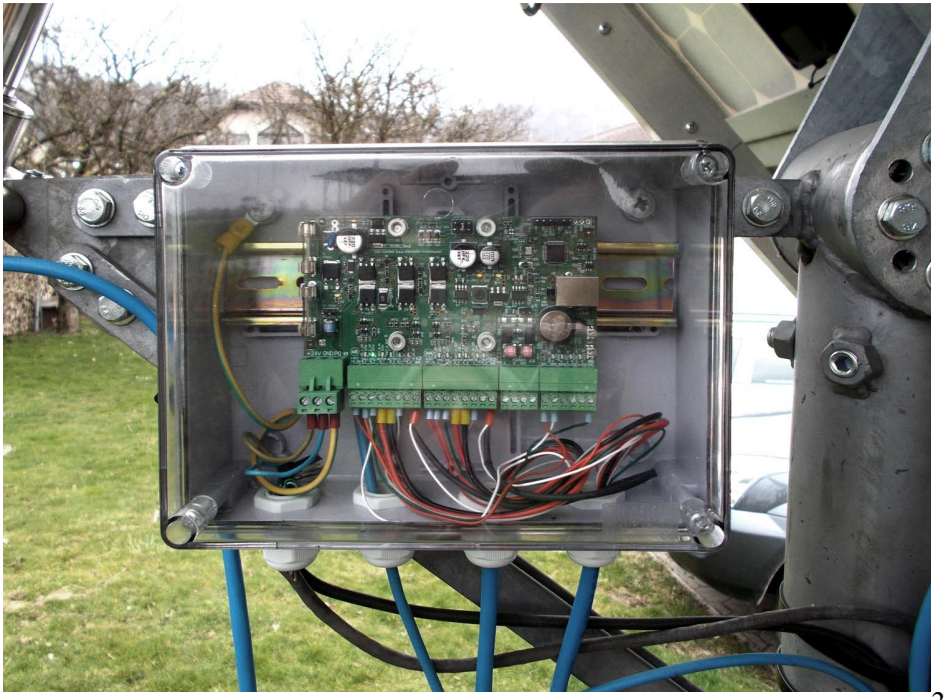

Make a big radius.




Before wiring junction box, take out the transparent fuse so indicator on connection board turns off.
USB
power supply
motor B
motor A
RS485
wind sensor & optionally optical sensor

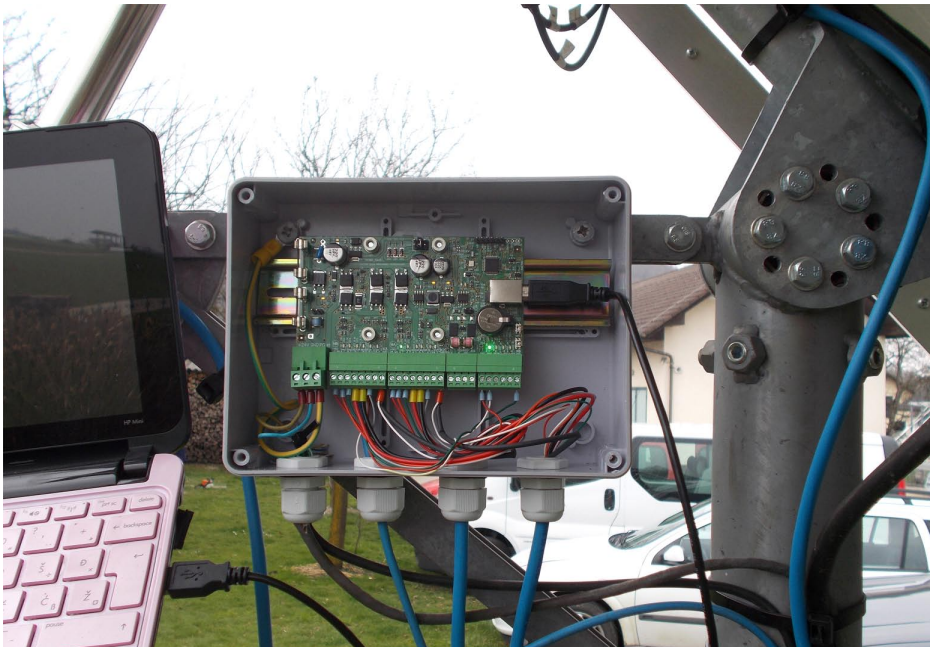

Transparent fuse shouldn't be there!!!
+
-
Before you connect power system be aware of plus and minus in a right terminal. Connect one wire into the plus and the other one into the minus!





FIRST CONNECTION OF TRACKER TO A PC OVER AN USB CONNECTION DRIVER INSTALLING

• Connect your PC to the tracker using the enclosed communication cable. Use the USB port on your computer.



• Computer will require its driver installation. Let windows choose your driver automatically. When the driver is not found install latest custom windows updates.

• When the next window appear, click on "No, not this time" and than Install the software automatically .