

Solar Signmaster™

SPARES INSTRUCTIONS

Ensure that all relevant personnel read the points listed within this leaflet and that a copy is given to staff involved with the installation and maintenance of this product. Glasdon recommends that a full Health and Safety analysis is carried out prior to installation.

KIT CONTENTS:

KIT 1 - BOLLARD [from Pg 2]

ITEM 1 - Bollard	x 1
ITEM 2 - Cover Cap	x 4
ITEM 3 - Screw M10 x 100mm	x 4
ITEM 4 - Cover Cap Lock Washer	x 4
ITEM 5 - Washer M10 x 50mm	x 4
ITEM 6 - Spacer	x 4

TOOLS INCLUDED:

Allen Key 6mm	x 1
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KIT 2 - BATTERY CHAMBER LID [from Pg 4]

ITEM 7 - Screw 4.8 x 20mm	x 8
ITEM 8 - M6 Washer	x 8
ITEM 9 - Battery Chamber Lid	x 1

KIT 3 - BATTERY [from Pg 3]

ITEM 10 - 12V20Ah Battery	x 2
ITEM 11 - Foam Block	x 1

EQUIPMENT REQUIRED:

- Flat headed screwdriver
- Philips screwdriver
- Safety Equipment [hi-visibility clothing]

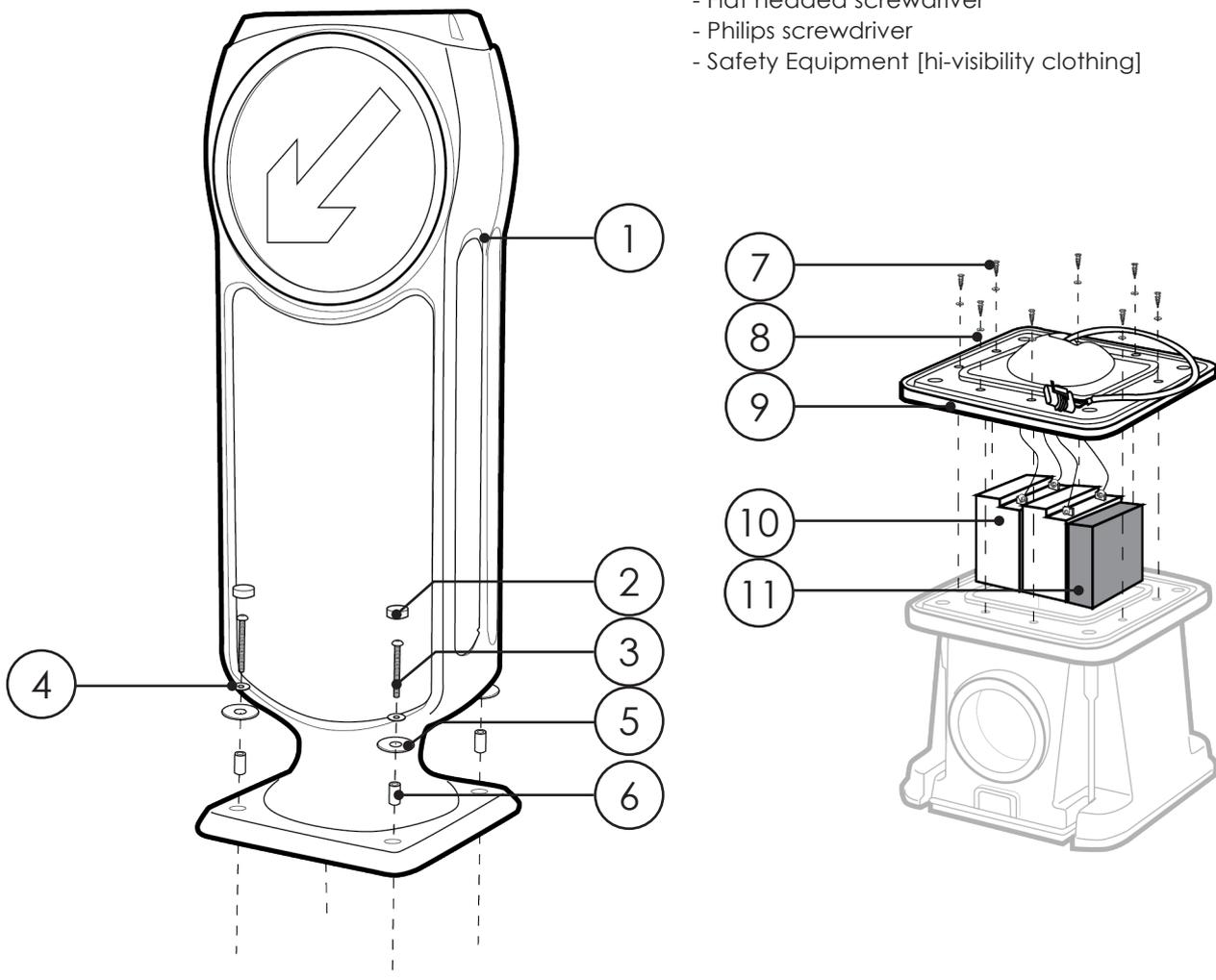
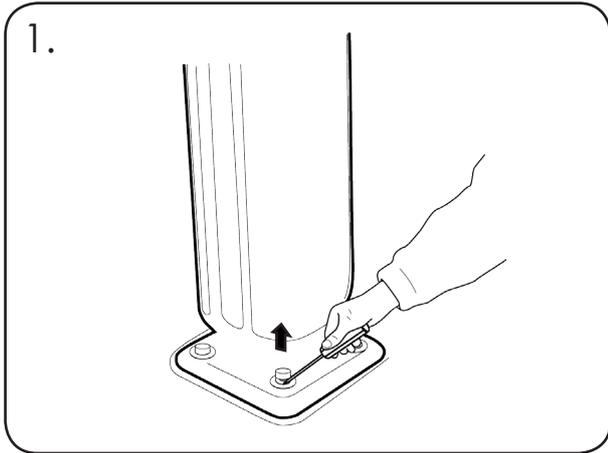
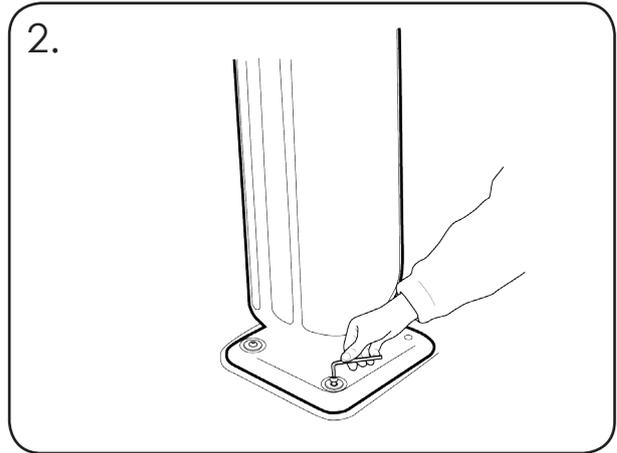


DIAGRAM NOT TO SCALE

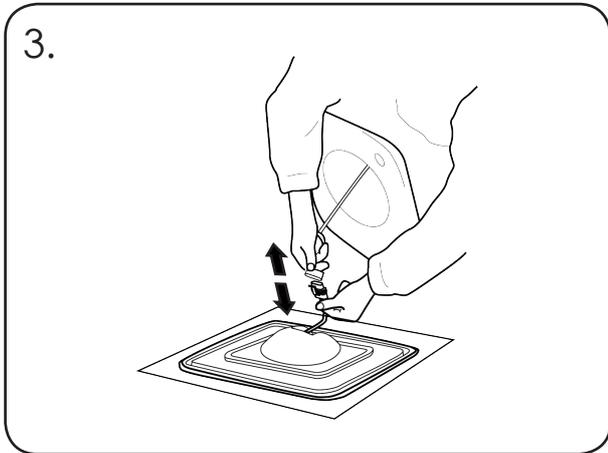
REMOVING THE EXISTING BOLLARD



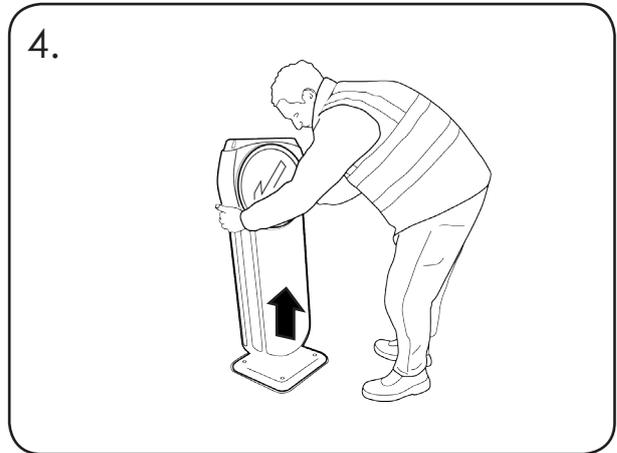
Remove the existing protective cover caps covering the four ground fixing bolts using a flat headed screwdriver.



Use the Allen key provided to loosen and remove the four ground fixing bolts.

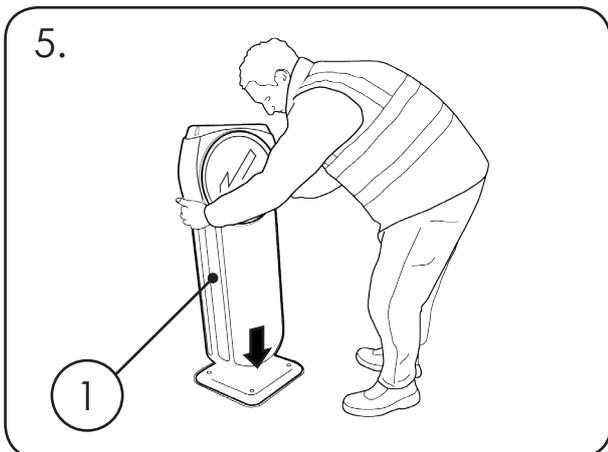


Disconnect the power cable to the Battery Chamber.

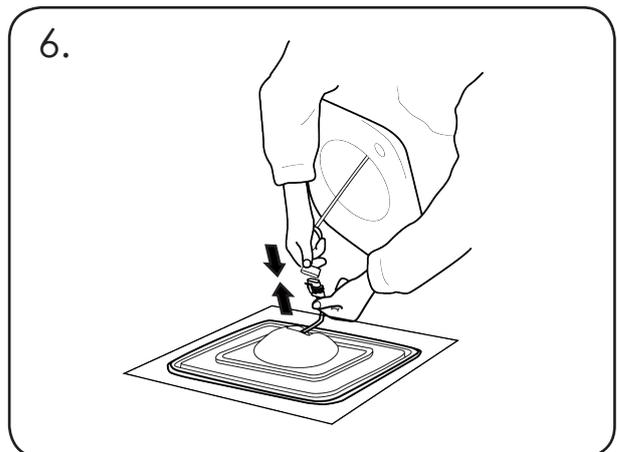


Remove the existing Bollard. The existing ground fixings can be discarded.

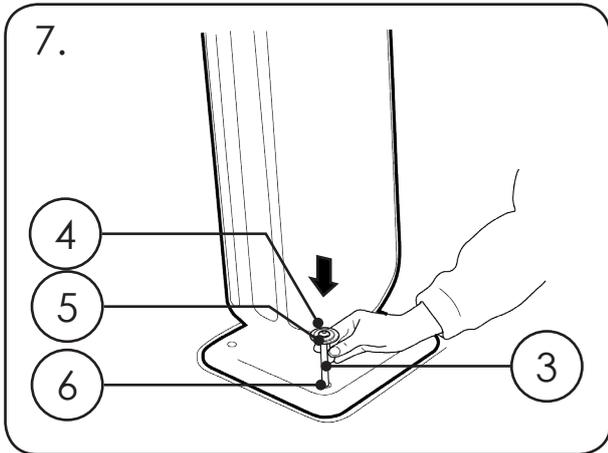
REPLACING THE BOLLARD



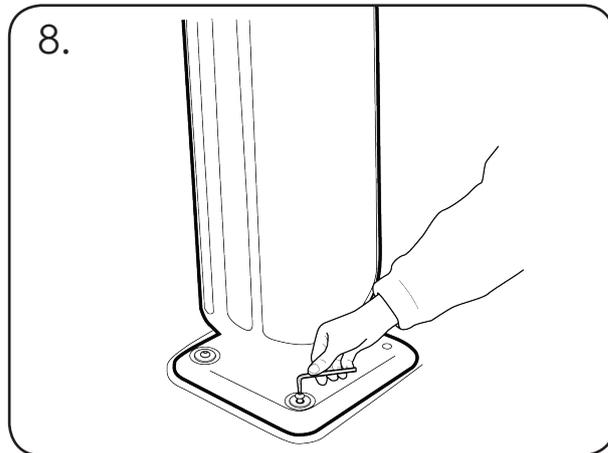
Place the NEW Bollard (ITEM 1) on top of the Chamber. Remove the protective bag covering the cable connection plug fitted to the bollard power cable [which can be accessed from the underside of the Bollard - See Fig. 6].



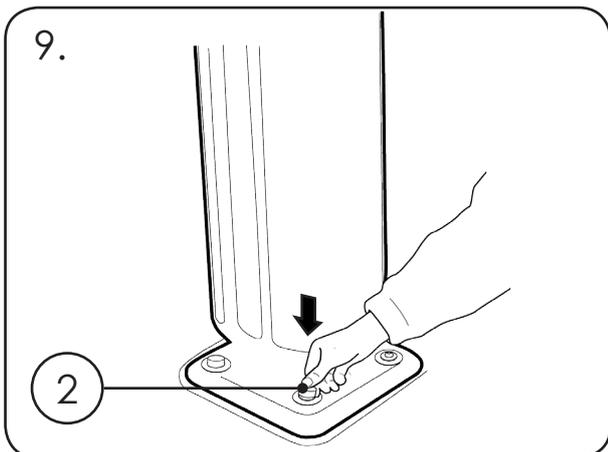
Plug the connection plugs for the Chamber and Bollard together. They should engage positively and 'click' together once fully seated. You should see the front illuminated sign face flash 'on' briefly as you do this.



7. Slot a cover cap lock washer (ITEM 4) followed by a 50mm washer (ITEM 5) onto one of the M10 screws (ITEM 3). Place one of the spacers (ITEM 6) into one of the ground fixing holes in the Bollard foot. Place the assembled fixing through the Bollard [through the spacer]. Repeat for the three remaining fixings.



8. Tighten each ground fixing a little by hand first to ensure they are all engaged with the thread in the fabricated fixing bars attached to the Chamber. Then use the Allen key provided to tighten the ground fixing screws.

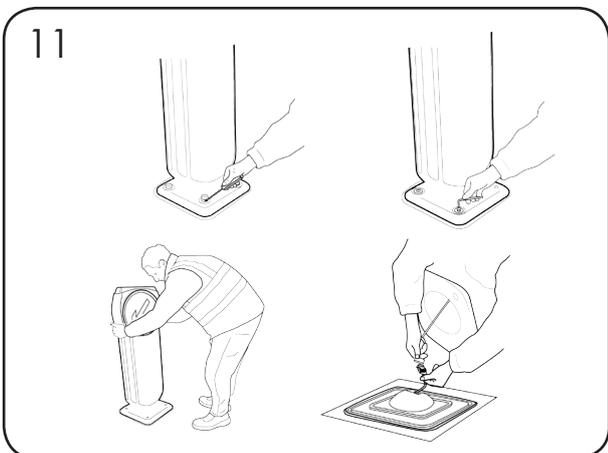


9. Push the four cover caps (ITEM 2's) over the lock washers until they 'click' into place.

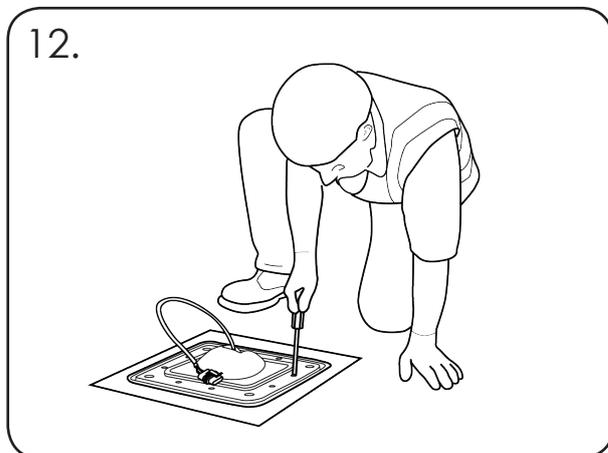


10. To test that the Bollard is working. Cover the solar panel and Light Dependent Resistor [top of the Bollard] for approximately 10 seconds. The sign face should illuminate.

REPLACING THE BATTERIES

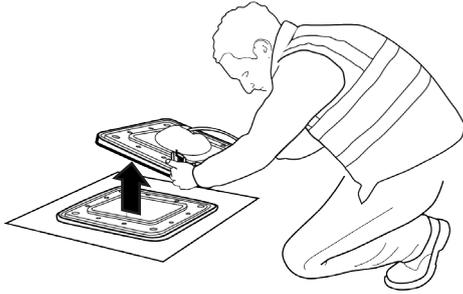


11. Follow STEPS 1-4 to remove the Bollard.



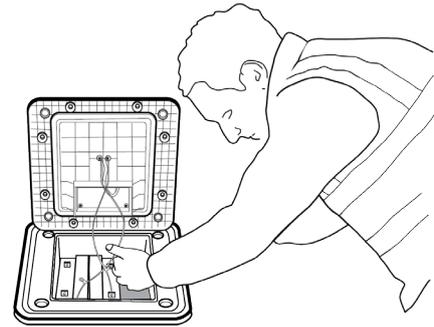
12. Use the Phillips screwdriver to remove the eight fixings holding the existing Lid to the Battery Chamber.

13.



Remove the existing Battery Chamber Lid.

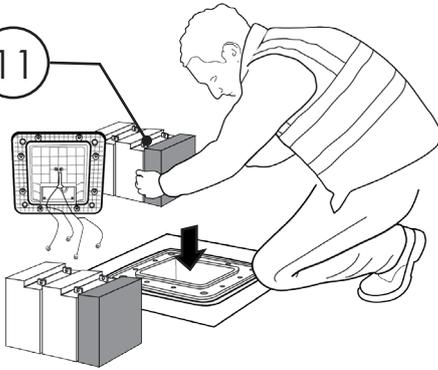
14.



Remove each of the four nuts and bolts holding each wire connection to the battery terminals. Use a spanner to loosen the fixings if required.

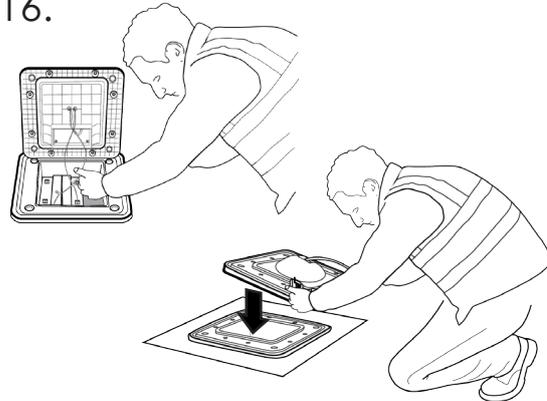
15.

10 11



Remove the existing Batteries and foam block from the Battery Chamber. Replace with the NEW Batteries (ITEM 10's) and foam block (ITEM 11).

16.



Loosely reinstate the Chamber Lid. Attach the connecting wires to the terminals on the NEW Batteries. Ensure the red wires are connected to the red marked positive terminals and black wires to black marked negative terminals. Fix the Lid to the Chamber with all eight ITEM's 7 and 8's provided.

➡ Reinstall the Bollard by following STEPS 6-10.

➡ For Kit 3 - Replacement Battery Chamber Lid, follow STEPS 11-14 and STEP 16.

IMPORTANT NOTE: PLEASE ENSURE THAT ALL RELEVANT PERSONNEL READ THE POINTS LISTED WITHIN THIS LEAFLET AND THAT A COPY IS GIVEN TO STAFF INVOLVED WITH THE INSTALLATION AND MAINTENANCE OF THIS PRODUCT.

SAFETY NOTE: PLEASE REFER TO 'THE MANUAL HANDLING OPERATIONS REGULATIONS 1992' DURING HANDLING.

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- A planned maintenance schedule or regular inspection is recommended, replacing components as necessary.
- Replacement components are available direct from GLASDON.
- GLASDON cannot be held responsible for claims arising from incorrect installation, unauthorised modifications or misuse of the product.

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