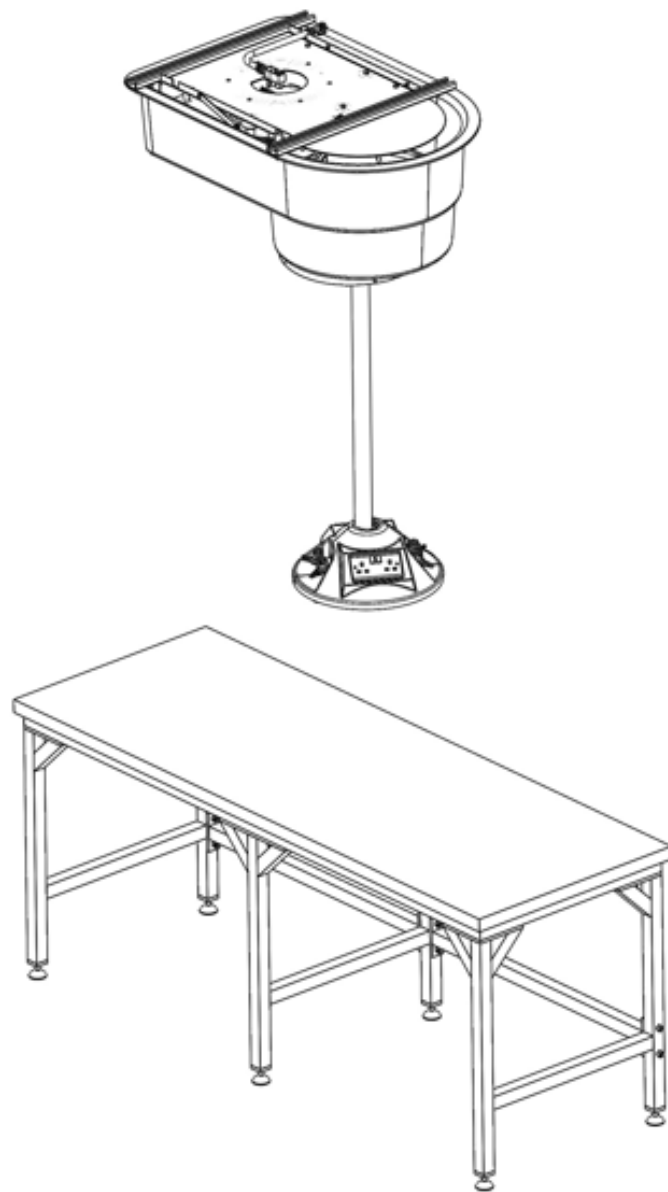




Konetic Pod System Installation Manual



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SAFETY

DO NOT USE THE EQUIPMENT ABOVE +30°C (+86°F)



DO NOT USE THE EQUIPMENT BELOW +10°C (+50°F)



RISK OF ELECTRIC SHOCK



SOME PARTS CAN BE RECYCLED



INSTALLATION/USER MANUAL, READ BEFORE OPERATING
THE EQUIPMENT



SPECIAL WARNING, READ CAREFULLY

TOOLS REQUIREMENTS FOR TYPICAL INSTALLATION

ELECTRIC DRILL: DEPENDING ON INSTALLATION TYPE

DRILL BITS Ø: DEPENDING ON INSTALLATION TYPE

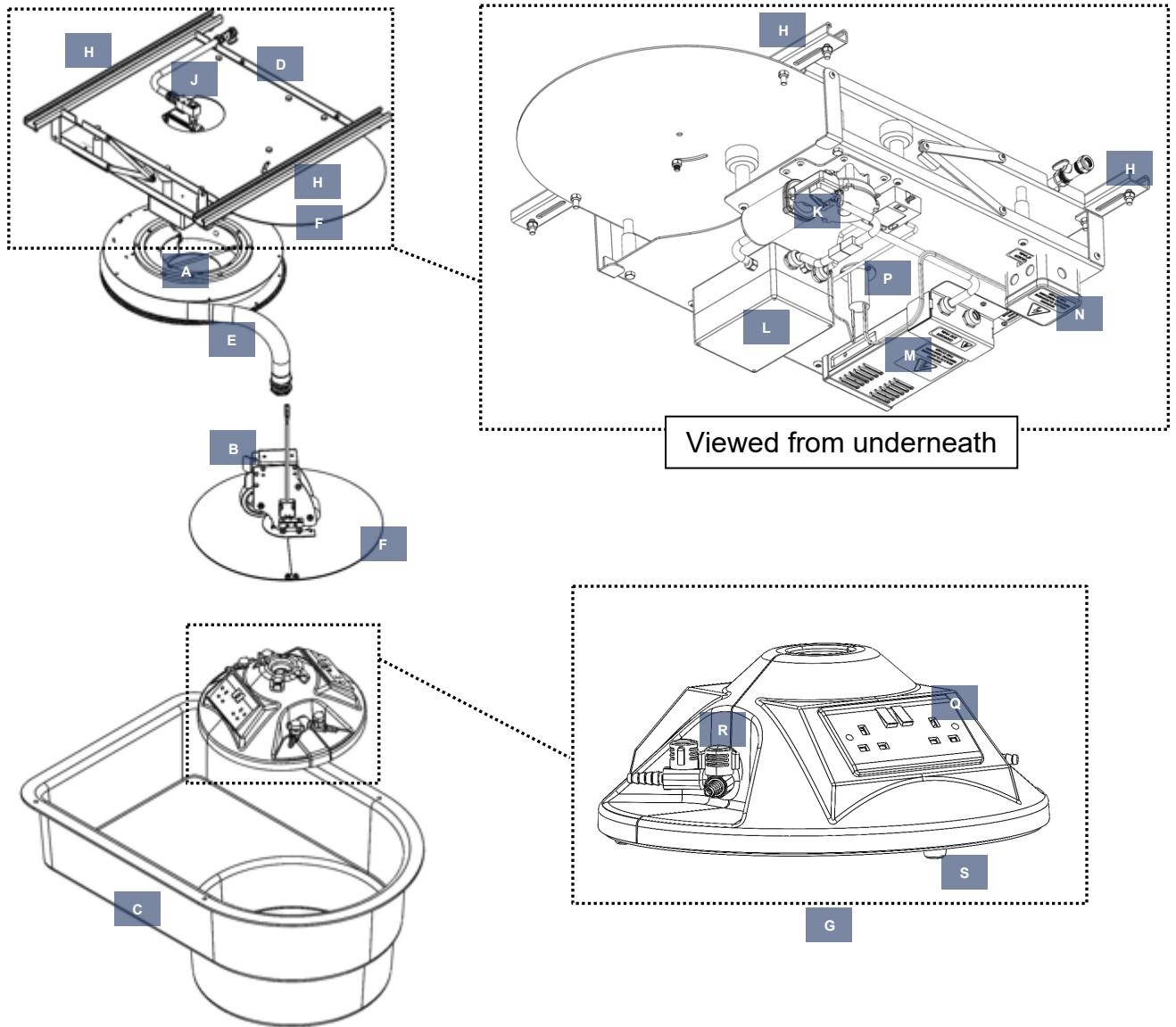
SCREWDRIVER: DEPENDING ON INSTALLATION TYPE

ALLEN KEY: 4MM

SPANNERS: 14MM, 16MM

TAPE-MEASURE

PENCIL

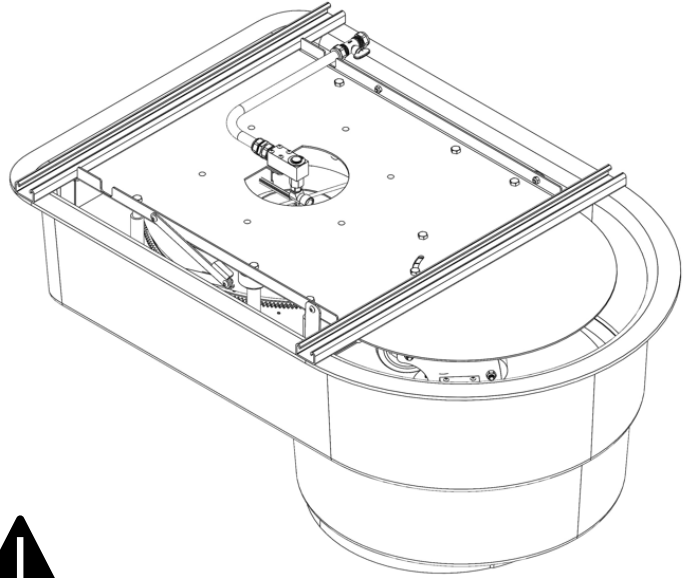
POD ASSEMBLY OVERVIEW

A Rotary Cable Drum	H Mounting Rail (Unistrut)	Q Double Electrical Output Sockets
B Conduit Guide	J Rotary Gas Fitting	R Gas outlet Connections
C Pod Cover	K Motor Assy	S Pod Stability Feet
D Main Carriage Assy	L Motor Electrical Control	
E Umbilical Assy	M DC Power Supply	
F Cover Plate	N 230v Supply Cable Assy	
G Service Delivery Pod	P Slip Ring	

WHAT'S INSIDE (TYPICAL)

Standard Assembly

- 1 x Pod assembly
- 1 x Pod cover
- Fastener pack
- Installation and User Manual



INSTALLATION/USER WARNINGS



- System to be installed in conjunction with a gas proving unit.
- Electrical system to be periodically tested as outline in BS 7671.
- Product weight is approximately 50kg, the full assembly should be ideally mechanically lifted, if not by a minimum of 2 persons.
- Product installation requires working at elevated heights. All relevant safety standards should be adhered to, and only suitably qualified persons should undertake installation.
- During installation always ensure area underneath assembly is kept clear to prevent injury from falling objects.
- All gas and electrical connections are to be completed by suitably qualified personnel, and subsequently tested and certified.
- There is a sensor system located on the underside of the delivery pod, this will detect when the system is close to a surface and stop extension of the umbilical.
- System should be installed directly above the area it is to be used and umbilical should always lower in a vertical line.

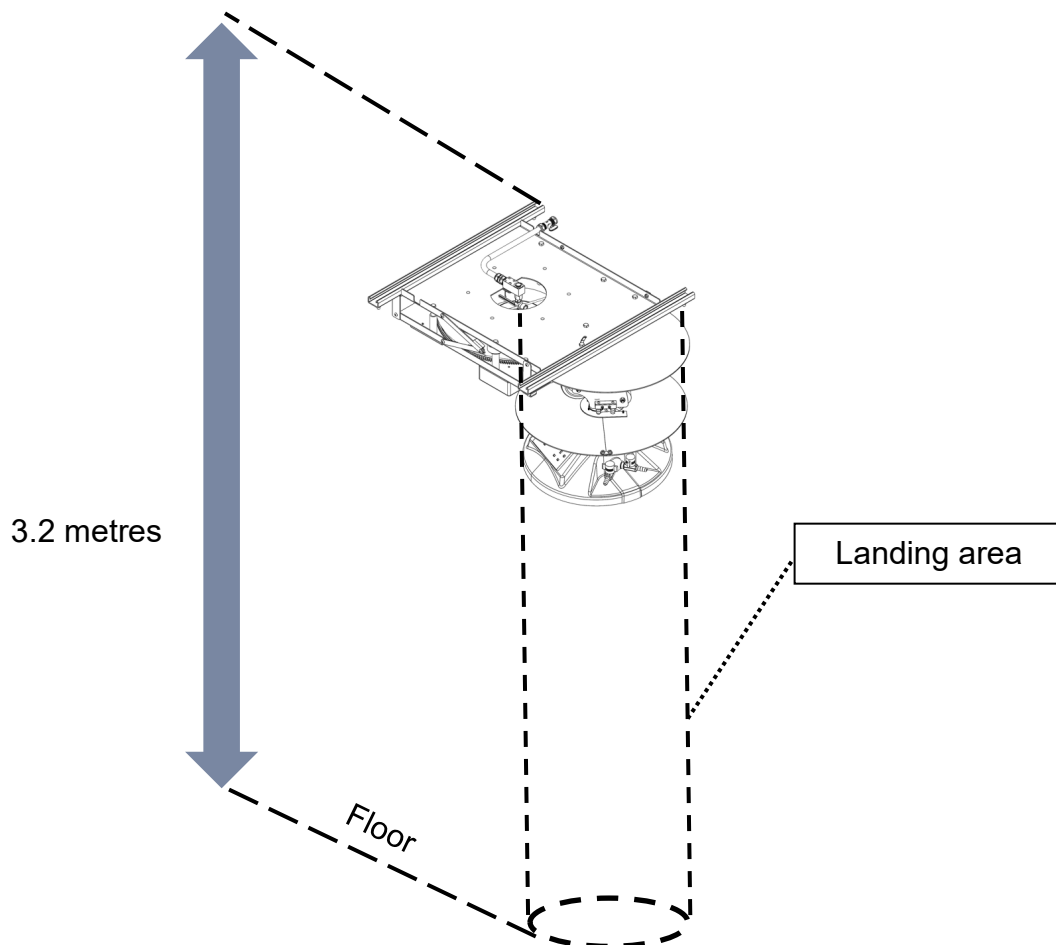
DEFINE INSTALLATION AREA

1. Locate the area where you would like the Pod to land.
2. The Pod will need to be securely mounted above this location using the mounting rails. Project upward from the mounting rails and define a suitable mounting point and surface. The material and mounting angle of the mounting surface will define the type of interfacing hardware required to attach the Pod.

! IMPORTANT: All installations should be mounted with a 230v electrical connection point available close to the mounting area. A 13A fuse spur is recommended.

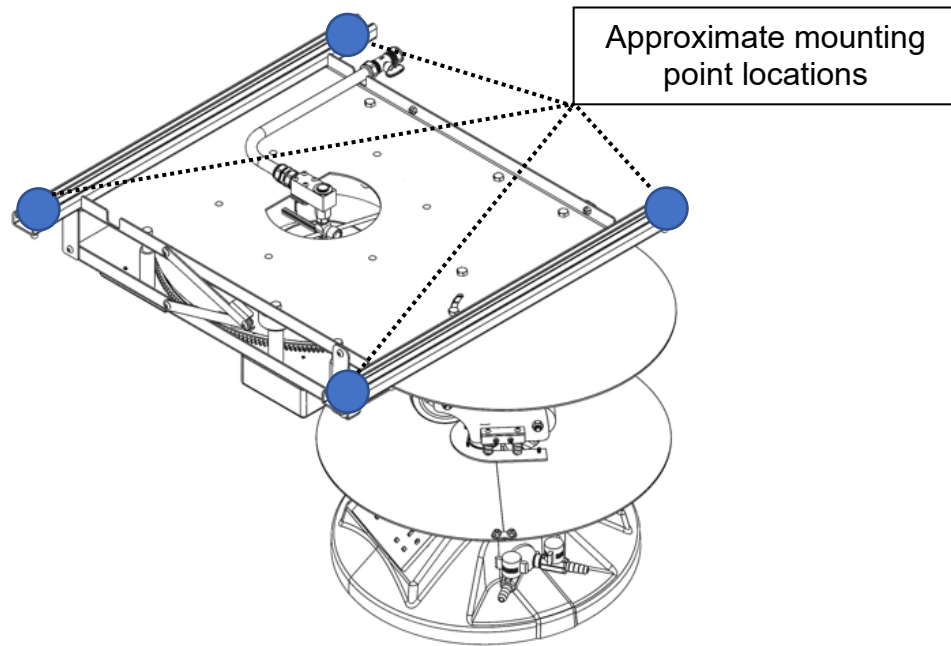
! IMPORTANT: Mounting surface should be a strong structural member/surface, this should not be any suspended ceiling surfaces or related non-structural members. All structural interface fixings and surfaces must be capable of supporting a minimum of 200kg. Structure should be checked prior to installation by a suitably qualified person.

! IMPORTANT: Installation must be made with a maximum distance between nominal (retracted position) and nearest vertical point i.e., table or floor of 3.2m. If there is no surface within this distance it will cause the system to recoil automatically once full extension is reached and may cause damage to the system.



DEFINE MOUNTING TYPE

Your Pod has integrated Unistrut mounting rails which should always be used for mounting the Pod to a structural surface with a minimum of 4 no. mounting points.



The connection type between the mounting rails and the structural surface is dependent on the material and shape of the structural member directly above the landing area. This may include many variants, timber, steel, concrete, flat or angled for which the Unistrut mounting rail will accommodate different attachment methods.

For relevant fixings go to Unistrut.com or Zipclip.com. (Rail type is 3300)

The Installer should select an appropriate connection method for the unit bearing in mind the maximum distance between the mounting rails of the pod and the ground of 3.2 metres.

Total mass of pod with cover is: **55kg**

Design Imposed Loads: **100kg Max**

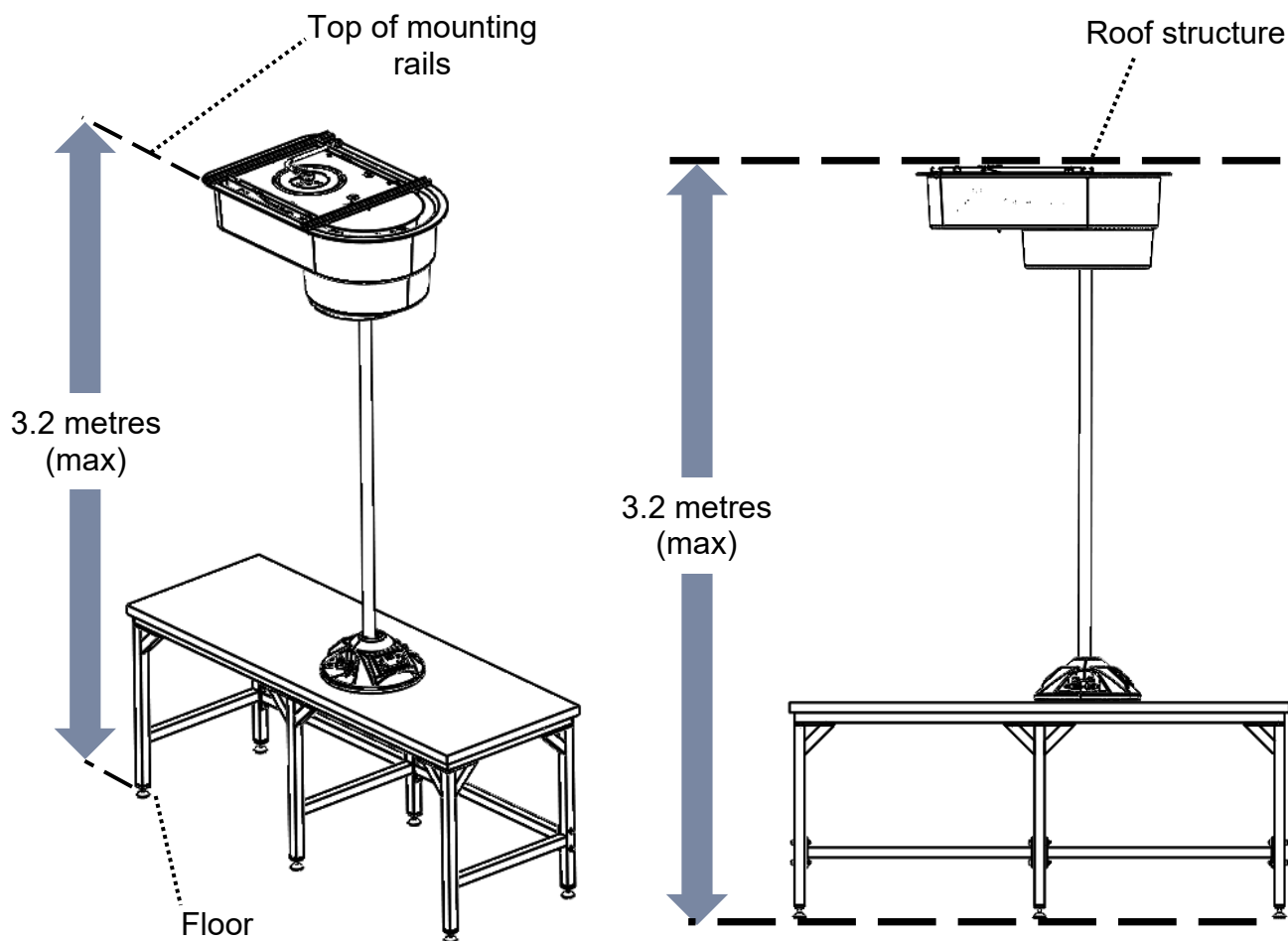
EXAMPLES OF MOUNTING TYPES

Due to the large number of variants of roof materials and mounting arrangement, the specific mounting arrangement of the Pod to the roof should be defined by a suitably experienced professional. The fixing methods should be limited to those designed to interface with Unistrut mounting rails.

Below are 2 examples typical installation types.

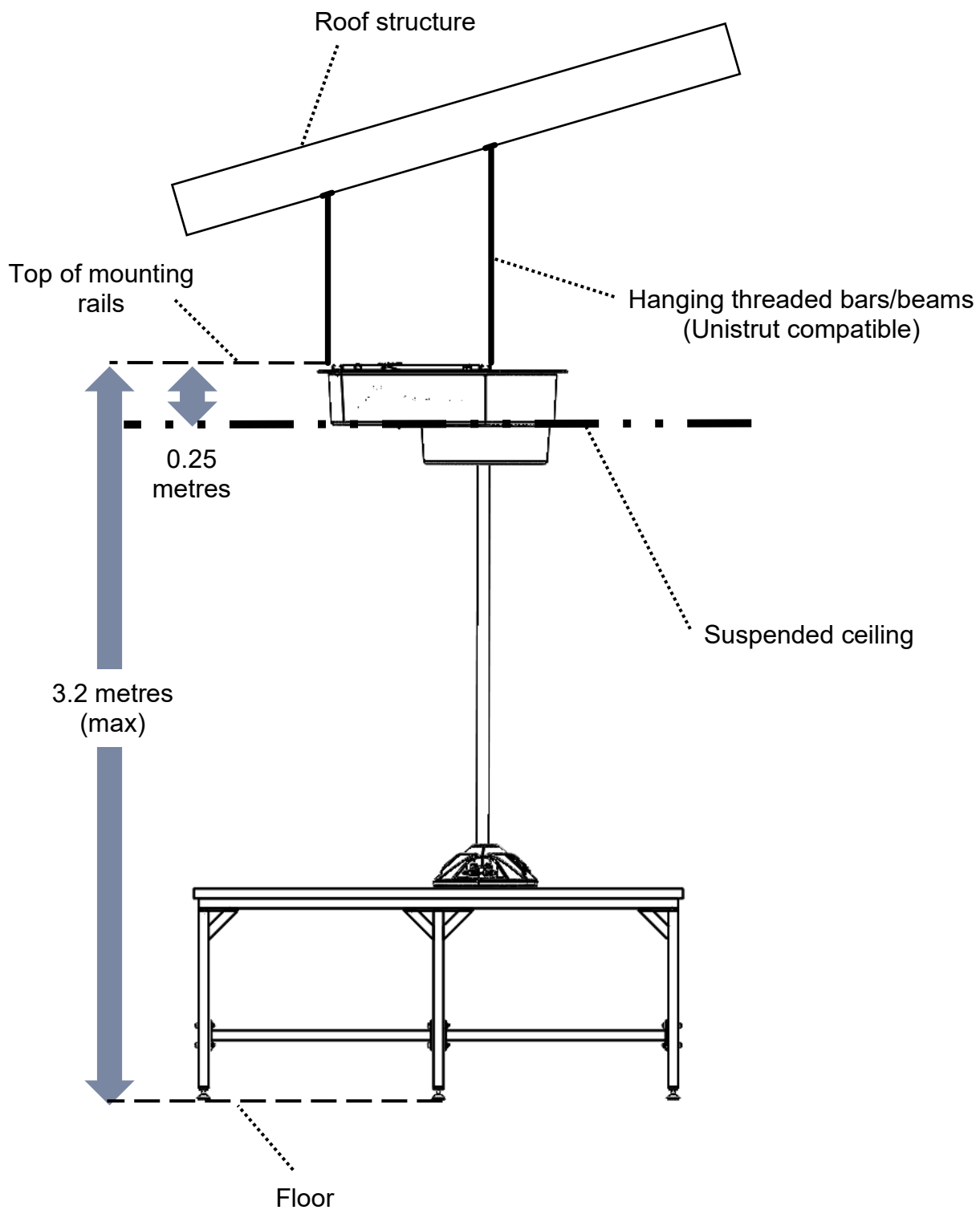
Standard flat roof installation

The example below is typical for installations where a solid structure flat roof material is available no more than 3.2m from the ground.



Angled roof, suspended ceiling installation

The example below is a typical installation where the roof structure is angled and a suspended ceiling is present.

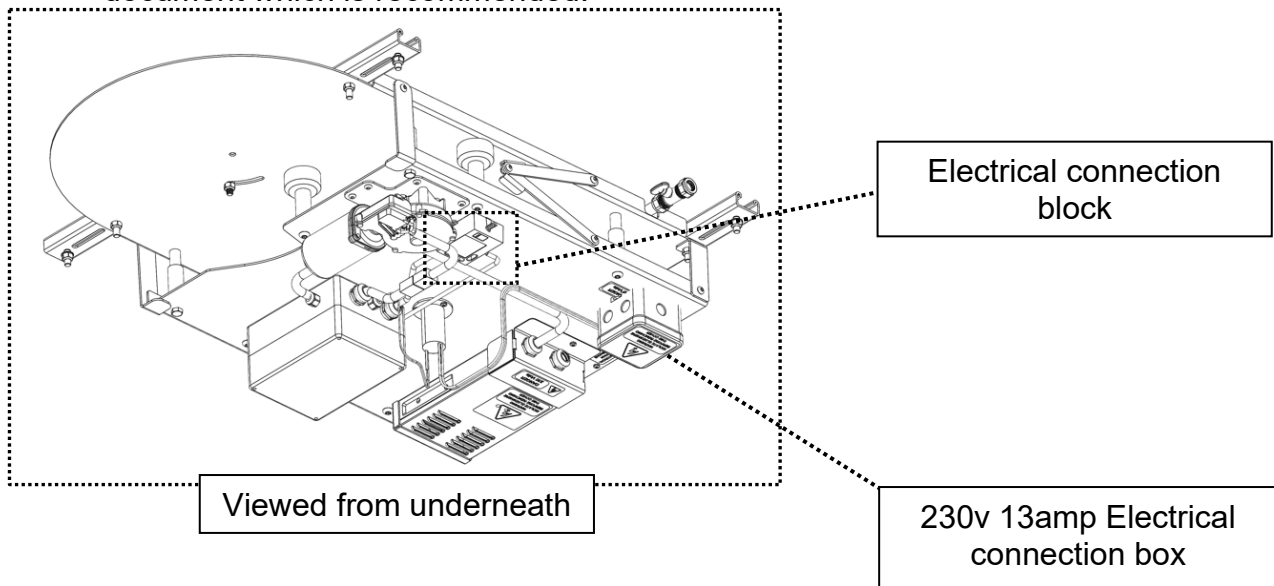


ELECTRICAL INSTALLATION



IMPORTANT: All electrical connections and electrical work should be carried out by a suitable qualified person. All electrical systems to be protected by RCD (residual current device) in line with current regulations.

NOTE: The 'interface point' as described in this section relates to the switch which is used to activate the Pod system(s). A key controlled mechanism is represented in this document which is recommended.



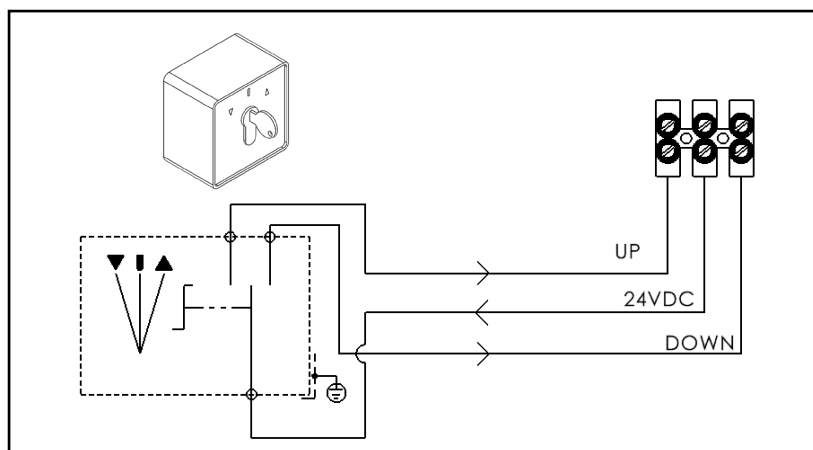
CONNECTING CONTROL INTERFACE

1. Connect control interface, using connection box on underside of main carriage assembly.

NOTE: Depending on the type of installation, one of the below wiring diagrams should be used

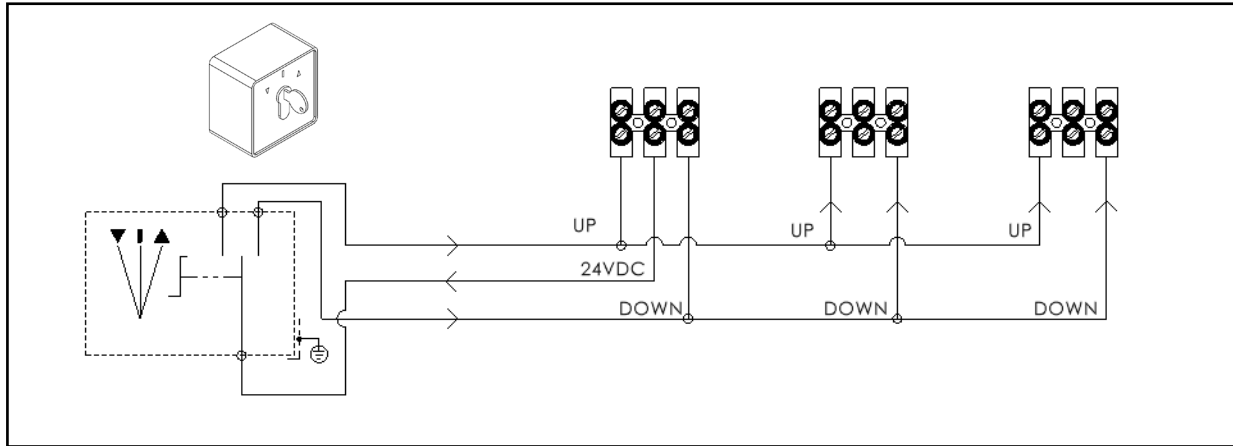
Single system wiring diagram

Below shows a typical wiring setup for a single system.



Multiple systems, single interface wiring diagram

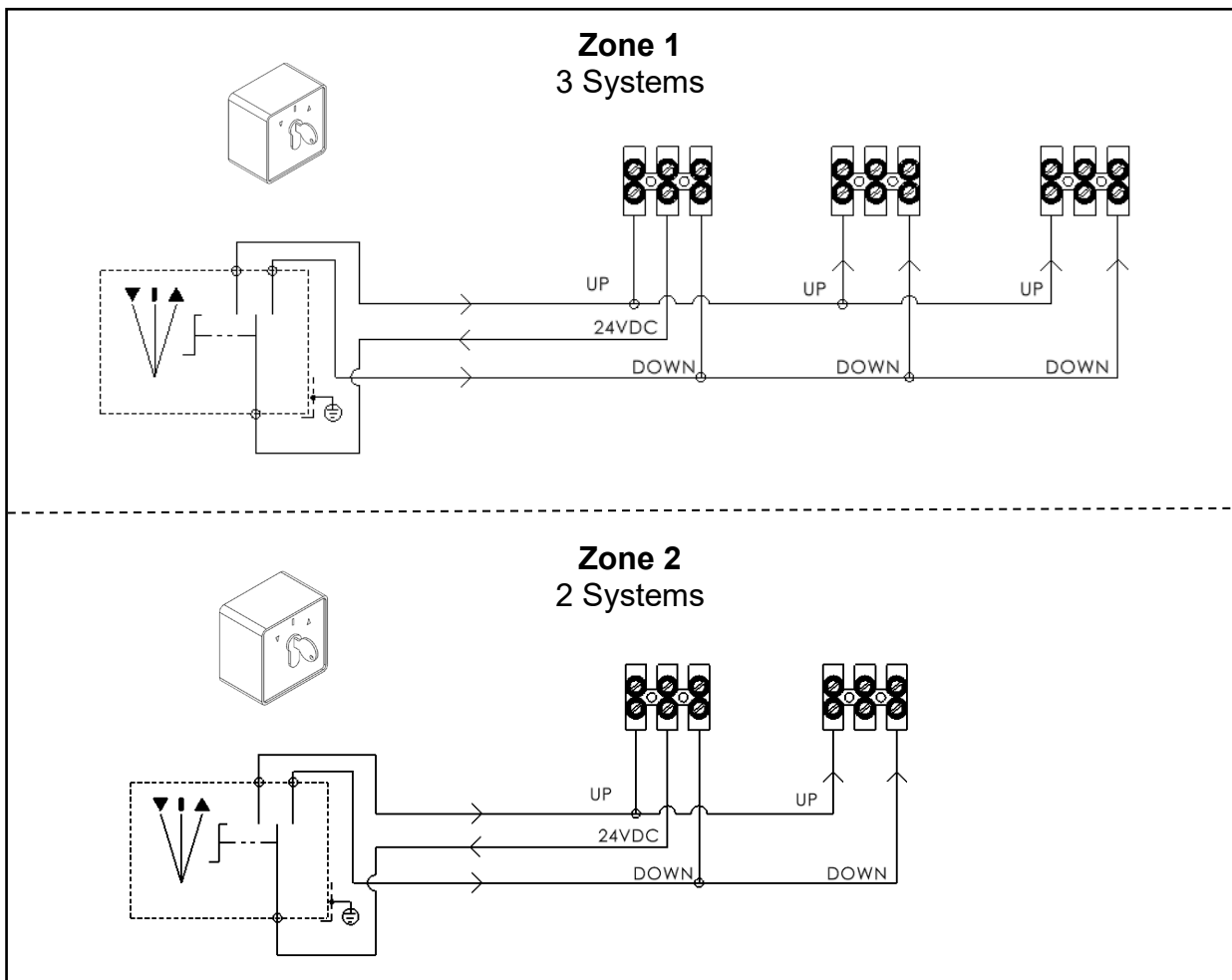
In this setup all Pod system will move up and down together and be controlled from a single interface point.



Multiple systems, multiple operational zones wiring diagram

Each zone requires its own operational interface point.

Below is an example of a 3 and 2 system zonal configuration:

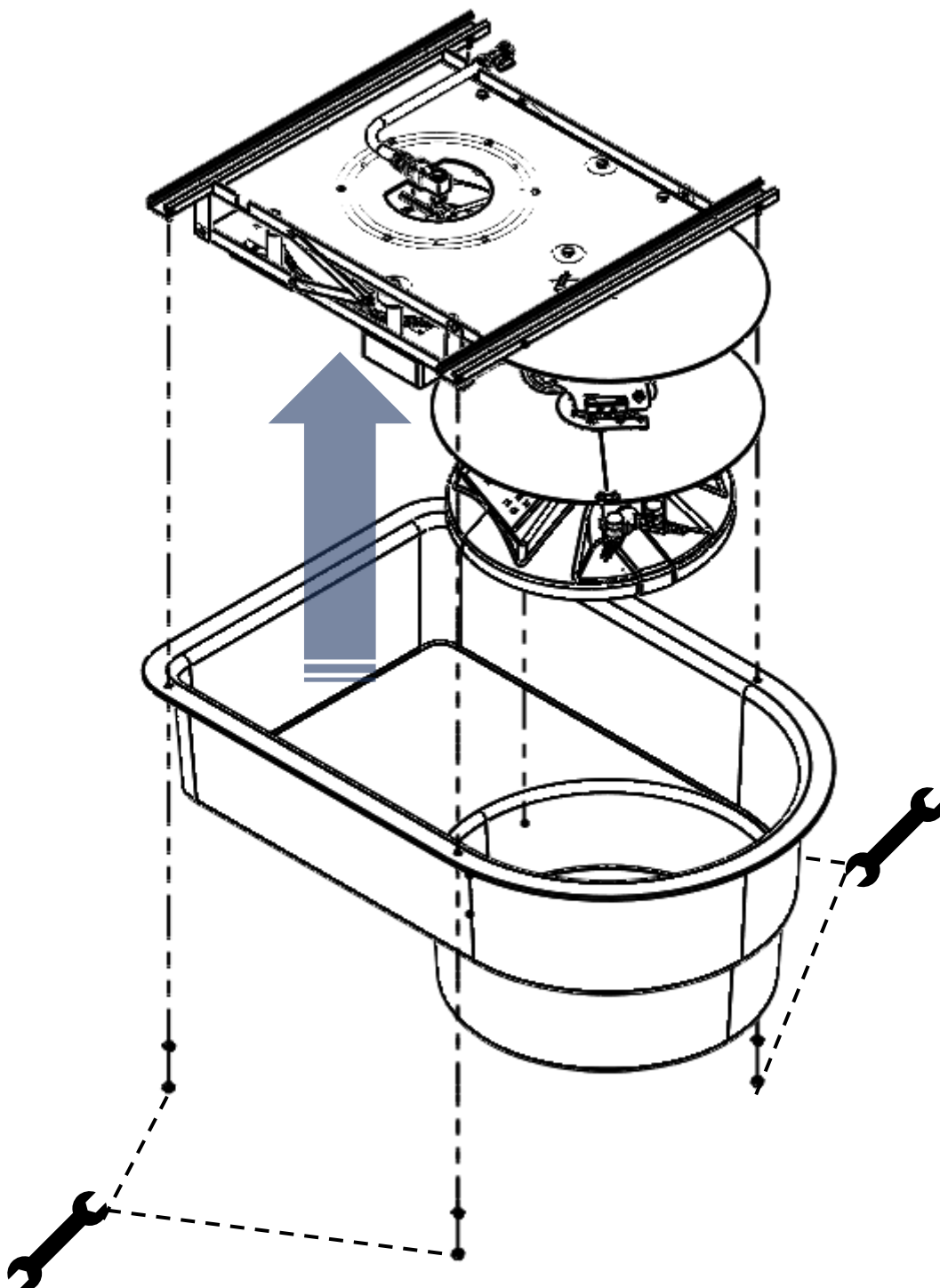


INSTALLING POD COVER

The Pod cover should be used for all installations.

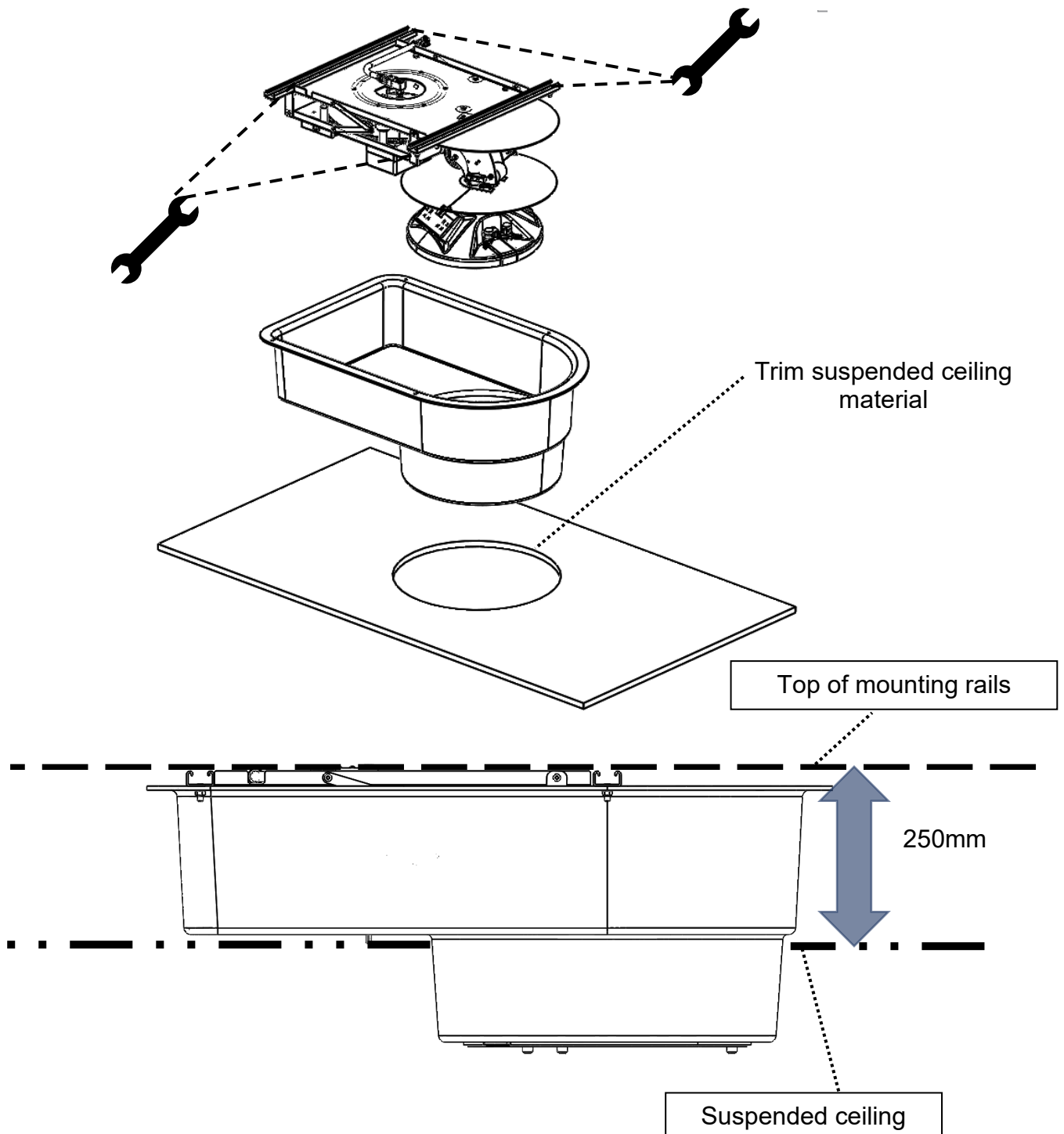
Once the Pod assembly is secured to the building structure, lift the Pod cover and attach to the Pod assembly using 4x M8 nuts.

IMPORTANT: This is a minimum of a 2-person job. Ensure that area directly below is clear.



SUSPENDED CEILING ATTACHMENT INSTALLATION

1. Cut an appropriately sized hole (Approx 530 diameter) in the suspended ceiling surface.
2. Mount the Pod assembly so the top of the Unistrut is approximately 250mm above the suspended ceiling.
3. Once the Pod assembly is secured to the building structure, lift the Pod cover, and attach to the Pod assembly using 4x M8 nuts.
4. Re-Install the suspended ceiling surface



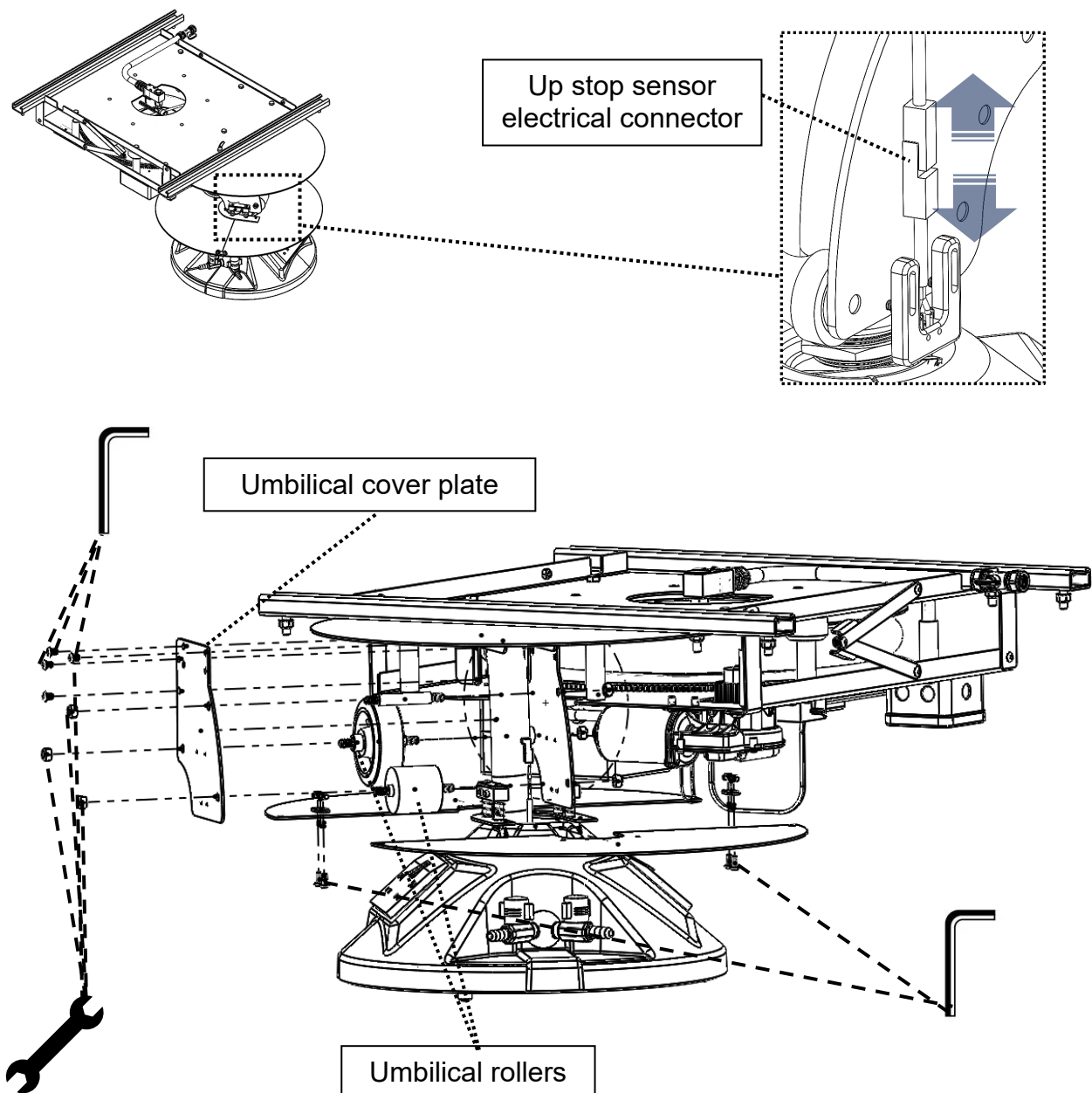
STEP 1: REMOVAL OF SERVICE DELIVERY POD ASSEMBLY

To assist assembly, and for maintenance the delivery Pod and umbilical may be removed. This process is also relevant for the removal and replacement of the assembly.



IMPORTANT: Turn off all live electrical and gas supplies to the unit. All work to be carried out by suitably qualified person.

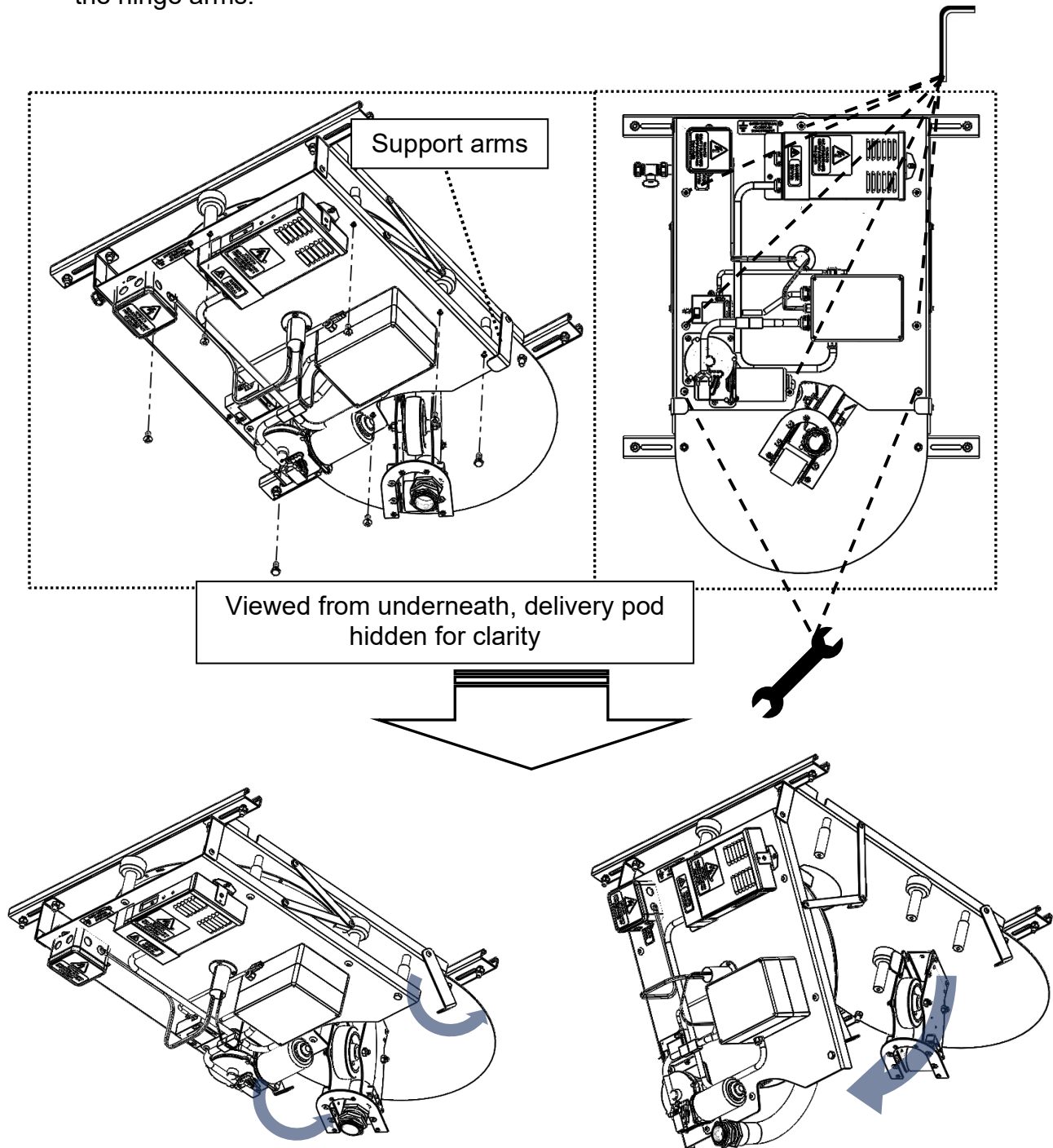
1. Undo 'up stop' sensor electrical connector.
2. Unscrew the 5x nuts and 2x cap head screws.
3. Remove umbilical cover plate and rollers.



STEP 2: REMOVAL OF SERVICE DELIVERY POD ASSEMBLY

NOTE: Before starting the below process ensure that the support arms are in place to stop assembly from dropping open while working underneath.

1. Unscrew the 2x nuts and 5x cap head bolts shown from the assembly.
2. With the base plate supported, rotate the support arms up and lower the assembly on the hinge arms.



WARNING: Support carriage when the support arms are rotated up.

STEP 3: REMOVAL OF SERVICE DELIVERY POD ASSEMBLY

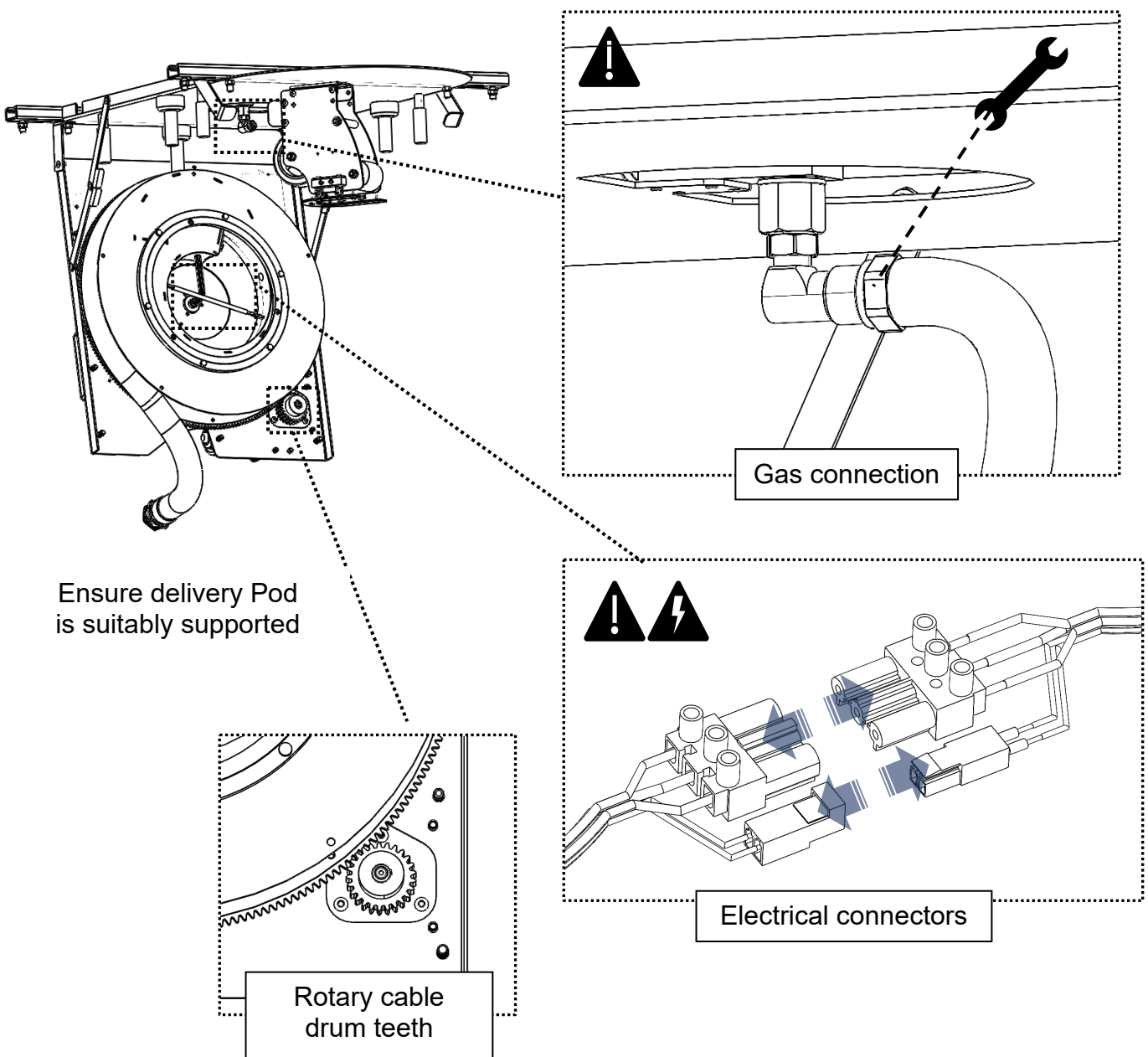
1. Disconnect 2 x electrical connectors located inside the rotary cable drum.
2. Disconnect gas connection.



IMPORTANT: This step involves working with pressurised flammable gas, ensure all relevant procedures and regulations are followed and personnel are suitably qualified.

3. Remove the rotary cable drum, umbilical, and service delivery Pod as a single unit.

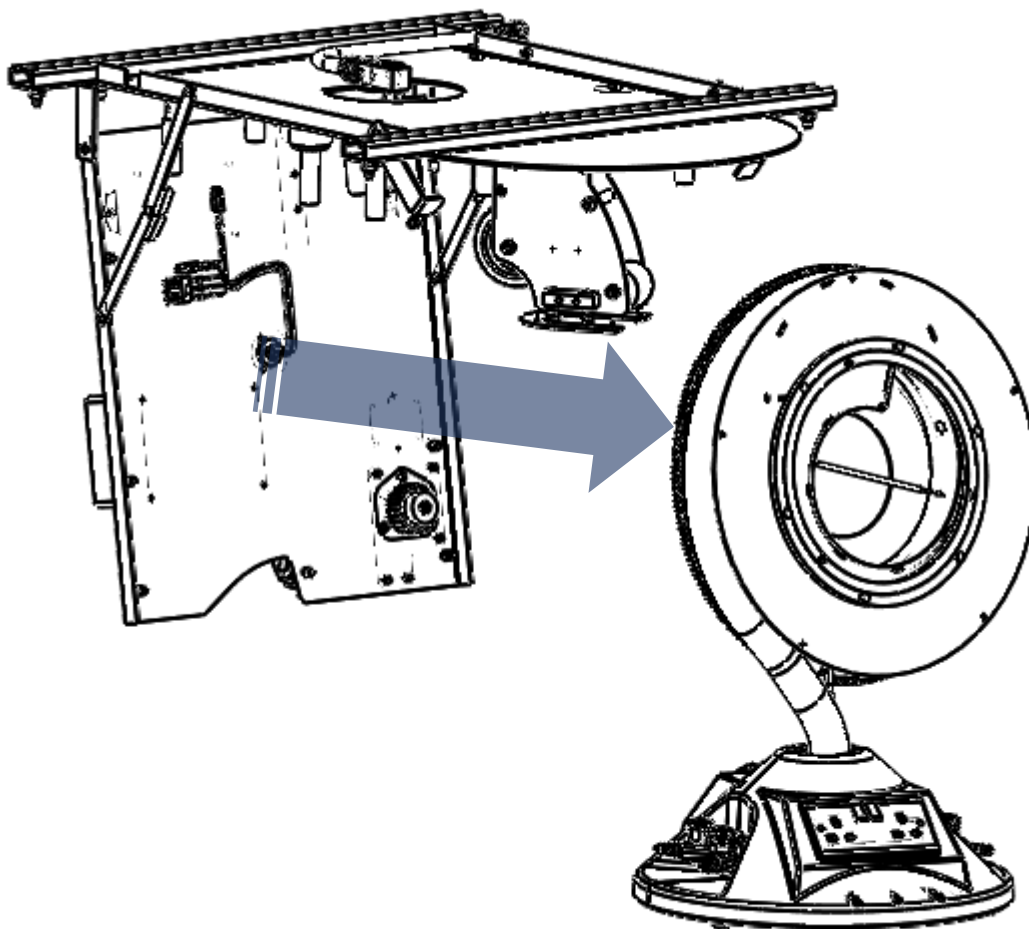
Note: When re-assembling the unit ensure that the teeth of the rotary cable drum engage with the teeth on the motor assembly.



STEP 4: REMOVAL OF SERVICE DELIVERY POD ASSEMBLY (CONTINUED)

1. Carefully lift off the Cable drum assembly and service delivery Pod together.

NOTE: For reassembly repeat these steps in reverse order.



Ensure delivery Pod
is suitably supported

MAINTENANCE

The Pod has been designed to require minimal maintenance during its service life. No greasing or lubrication are required under normal operation. Below are some basic actions which can help your Pod operate normally throughout its service life.

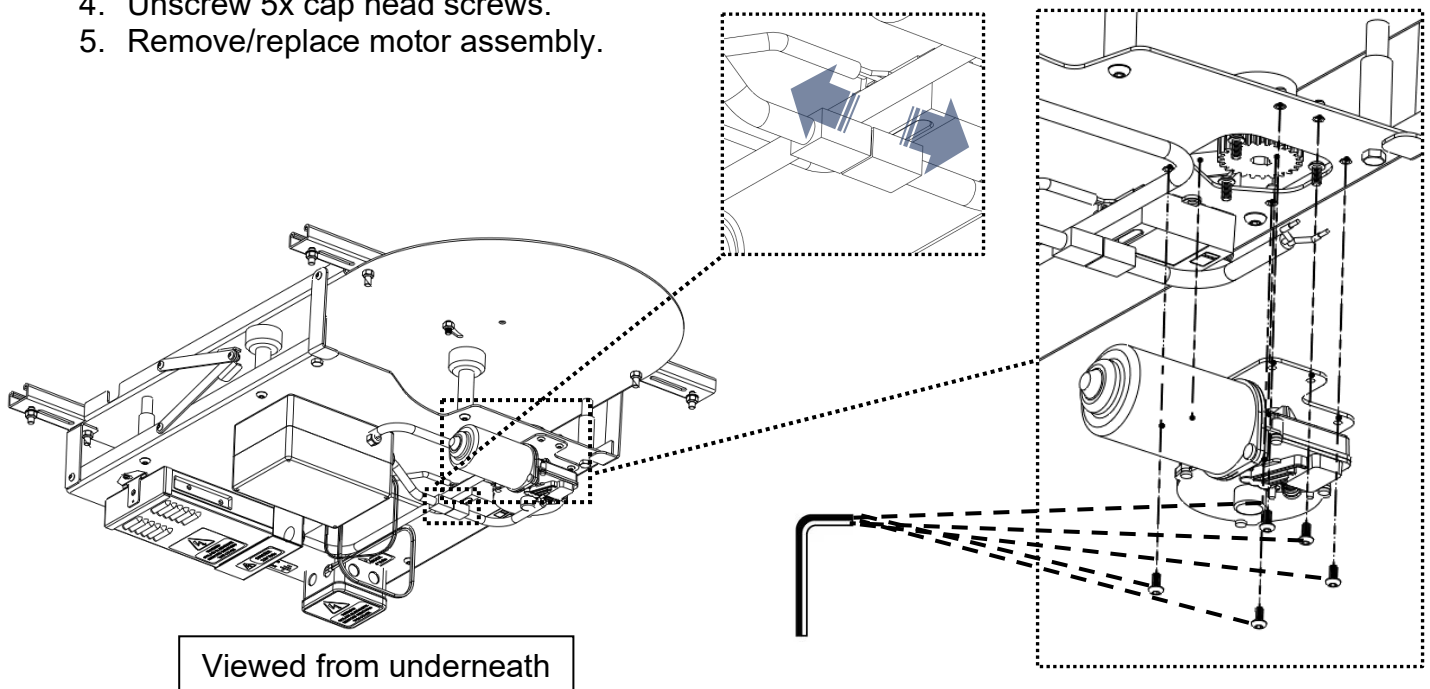
- ⚠ • Isolate electrical and gas supplies to the unit. All work to be carried out by a suitably qualified person.
- ⚠ • Electrical and gas testing to be completed in accordance with regulations.
- Wipe down exterior cover of umbilical with a dry cloth & lubricate with a PTFE dry lube spray. This should be done periodically to avoid build-up of debris around the drum.
- Visually check rotary drum and motor teeth, and remove any debris as required.
- Visually check Pod and umbilical hose for damage.

PART REPLACEMENT

Motor assembly – To be completed by suitably qualified person.



1. Remove cover (as applicable).
2. Isolate electrical supply.
3. Disconnect electrical connections.
4. Unscrew 5x cap head screws.
5. Remove/replace motor assembly.



WARRANTY

Pinnacle Furniture is a brand of Pinnacle Furniture Ltd.

This product has been subject to extensive lifecycle testing and this warranty is reflective of this.

Any product defect notification must be accompanied by a serial number (located on the lower face of the main carriage assembly, visible when the delivery Pod is in the lowered position), date of purchase, contact name, address and daytime telephone number. If this information is not provided, we may be unable to process your warranty claim.

1. Pinnacle Furniture Ltd (We, Our, Us) warrants this Product (excluding labour, travelling and expenses) to be free of manufacturing defects during the period of warranty. The period of warranty is 5 Years and commences on the date of despatch of the product from Pinnacle Furniture Ltd. Please contact Pinnacle Furniture Ltd for details.
2. The warranty consists of (at Pinnacle Furniture Ltd's discretion) either repair or replacement spare parts only that will be provided on an exchange basis and will either be new, equivalent to new or re-conditioned. All replaced spare parts and products shall become the property of Pinnacle Furniture Ltd and are required to be returned to Pinnacle Furniture Ltd for analysis and acceptance of warranty terms.
3. Unless agreed in writing, the warranty will not apply: (a) because you have not used, stored or fitted the product properly; or because you are in breach of the terms of this warranty or the contract terms, or have not followed the instructions in the installation/user manual, or because of damage or defect due to wilful neglect or negligence by anyone ; (b) to loss of quality, degradation of performance or actual damage that results from the use of spare parts or other replaceable items that are neither made nor recommended by Pinnacle Furniture Ltd; (c) to a loss of quality, degradation of performance or damage that results from the installation of, damage to, or modification to the product by someone else other than suitably qualified professionals or because of damage that results from changes required by you or a third party; (d) to damage that results from your connection of other fittings or accessories to the product which have not approved or your connection of other equipment not approved by us; (e) because of external causes outside our control which shall include accident, fire disaster or burglary; (f) because of faults caused by shock or fall, sand, dust, dirt, damp or corrosion, repair by unauthorised personnel; (g) because of any malfunction or specific requirement of any other item of hardware, which you have linked to the product in respect of items not included in the contract.
4. As far as the law allows, we will not be responsible for the following: (a) loss of income, profits (actual or anticipated), and contracts or for any other business-related loss; (b) indirect or consequential loss or damage howsoever caused; (c) compensation for fitting of replacement parts.
5. These conditions shall in all respect be governed and construed in accordance with English Law and subject to the exclusive jurisdiction of the English Courts.