SAS010
Issue 02

SAFETY AT THE HIGHEST LEVEL

# Solar Access System

## Assembly Instructions

Temporary access device conforming to the test requirements of
BS EN 12811 CLASS 2 & EN 13374 CLASS C

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**SAS010**
**Issue 02**

***PLEASE BE ADVISED:*** Before assembling the Solar Access System for the first time, it is highly recommended that Installers familiarise themselves with the component parts and carry out a test assembly and disassembly in a safe area away from the point of final installation. All component parts detailed in the operating instructions must be used in the assembly of the system. Should a piece be missing or appear defective do not continue to assemble and contact Easi-Dec Immediately.

## OPERATIVES SHOULD HOLD AN UP TO DATE EASI-DEC TRAINING CERTIFICATE

### Step1

Lay out the components ready for assembly with the platform against the wall with wheels on the ground. Identify the corresponding Leg for each side of the platform (Green – Left / Red – Right)

### Step 2

Fit both Legs using the Pins and 'R' Clips provided and ensure that the Pins are inserted outside in, to minimise the risk of the 'R' Clips being Knocked out. ***REMEMBER:*** Fit the Legs to the '**Normal use**' hole Labelled on the underside of the platform.

### Step 3

Swing the Dec support struts and secure with the Pins and 'R' Clips provided.

### Step 4

Pull out the Clips and release the two Braces from their stowed position.

### Step 5

Fit the Horizontal Cross Brace over the retaining studs.

### Step 6

Swing out each brace over to the opposite Leg and secure onto the retaining stud using the two 'R' Clips provided in a downward position.

## Step 7

With bent Legs and a straight back, lift the Solar Platform firstly to waist height, then using your arms to offer it to the wall and roll it up into position.
***NOTE:*** Pay particular attention to the balance of the Solar Platform, the position of the handhold and the way the Claw foot grips whilst taking a second handhold.

## Step 8

Adjust the height by removing the two Leg Pins and pulling on the Straps rolling the Solar Platform up the wall to the desired height and replace both Leg Pins remembering to also replace the safety 'R' Clips provided. After adjusting to height it will be necessary to re-level the Solar Platform by moving the feet either away or towards the wall.

## Step 9

The Feet maybe adjusted in 25mm increments but in extreme cases either Leg can be adjusted Independently. Fit Pin and 'R' Clip to secure.

## Step 10

Fit the back Legs by removing the middle Pin first, holding onto it and lowering the brace.

## Step 11

Remove top Pin and fit to the Back Leg at about eye level to the Main Leg.

## Step 12

When fitting the Brace, position the Back Leg foot as close to the wall as possible without fouling on the wall or touching the ground. Fit the Pin and 'R' Clip.

## Step 13

Drop the feet to the ground and take it up to the next hole and secure with the Pin and 'R' Clip. Ideally a finger's clearance under them to ensure the Solar Platform remains in contact with the wall.

## Step 14

The Ladder is placed against the Platform, extended 1 metre above platform level between the Ladder restraints of the Platform and sided to the right to allow enough room to step through on the left hand side.

## Step 15

***Fig 1*** Easi-Dec Ladder Spurs.

Foot the Ladder or use a suitable Ladder safety device, such as Easi-Dec Ladder Spurs shown in ***Fig 1.*** Climb the ladder and Tie off both sides with the Ladder ties provided.

## Step 16

Position the Right Guardrail over your shoulder, when climbing the Ladder, maintain three points of contact. ***REMEMBER:*** When fitting the Guardrail to the Left hand side of the Platform carry up on the Left shoulder.

## Step 17

Feed one arm through the top rung of the Ladder this provides a handhold when offering the Guardrail into position. ***(NOTE: This is why the Ladder needs to be extended above the platform by 1 metre to provide a handhold)***

## Step 18

Repeat **STEPS 16 & 17** for the Left Guardrail.

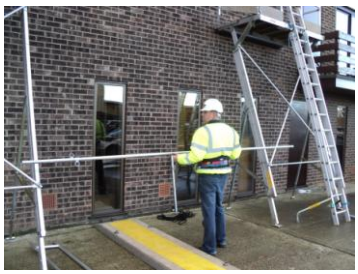
## Step 19

Climb onto the Platform and position the rear Uprights into the rear locating sockets on the Platform for both the Left and Right handed Guardrail. Make sure all uprights have been secured with Pins & 'R' Clips provided.

## Step 20

In order to prepare the Platforms to receive the Catwalks, clip on with a Lanyard and remove the Pin and 'R' Clips from the Internal end Guardrails and fold them outwardly. Repeat for the second Platform. This will provide access for the Catwalk to be positioned. Repeat **STEPS 1 -20** for the assembly of the second Platform.

## Step 21



Position the two Platforms 4m apart using the Guardrail or staging as a guide. ***REMEMBER:*** To allow a minimum of 300mm overhang of Catwalk on each of the two Platforms.

## Step 22

Tie a rope through the end Guardrail sockets and secure.

## Step 23

Stand the Catwalk up against the Platform and Install the Centre Uprights on the Catwalk and secure with Pin and 'R' Clips. This will allow assembly of the Guardrail Set prior to access.

## Step 24

With both operatives clipped on with lanyards the Catwalk can now be raised into position. An operative must hold onto one end and guide while the second operative hoists the opposite end up until the Catwalk is Level at Platform height. The catwalk is then pulled into position with a minimum of 300mm overhang on each Platform.

## Step 25

With both operatives clipped on with Lanyards turn the Catwalk on its side and release the towing rope.

## Step 26

Using the 2 'Ratchet' Straps provided, fix the 'Catwalk' to the Platforms as shown above. Pass the straps round the 'Horns' of the Platforms frame and Catwalk, tightening the buckle in a position where it will not trip the user. **NOTE**: Always ensure the Catwalk is free from obstructing the Solar Platform Hatch.

## Step 27

Whilst still clipped on fit the end Uprights and position the front Mid-rail and Top-rail over the Uprights from the 2m Platforms. Tighten all grub screws and secure Uprights with Pin's and 'R' Clip's provided.

## Step 28

. Fit the inner Guardrail the same way as in **STEP 27**. Remember to be clipped on with a lanyard at all times when fitting the Guardrails whenever possible. Secure all Toe Boards to the Uprights.

## Step 29

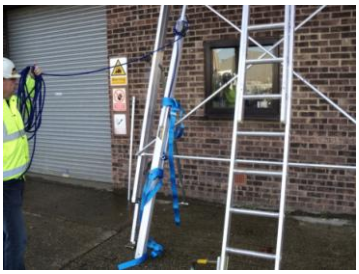


**FIG 2.** Hatch

Close the Draw Bar before hoisting the Hoisting Assembly to the platform. **NOTE:** The Hoist Assembly should always be lifted through the Solar Platform Hatch.

## Step 30

Attach the support frames at both ends to the retaining sockets ensuring the flange is clear of the hatch and flush with the Platform.

## Step 31

To fit the Support Tubes remove the Locking Pin from each end of the Lifting Beam, insert the Support Tube into the large hole on the underside of the Lifting Beam and replace the Locking Pin to secure.

## Step 32

Lift the whole assembly by holding the support tubes and then position these tubes over the Holes in the end support frames.
***NOTE: Two operatives are required to complete this assembly.***

## Step 33

*FIG.3 Clutch*

A '***TEST RUN'*** of the Lifting mechanism should be completed before use. Lower the lifting beam through the hatch releasing the clutch handle slowly whilst maintaining a grip on the rope. ***Fig 3.*** Shows the clutch in the open position. The Solar Platform is now ready for use.

## Step 34

***NOTE:*** When a load is sufficiently high enough to clear the Hatch, close it and Lower the Load onto the Platform in order to release the straps.

## TOP FIX

Secure the Platforms to a solid substrate, ensuring the wall tie
Is securely fixed. Consult a fixing specialist if unsure.

## *Remember*

- Back legs must be fitted.
- Never exceed the 75 Kg Load restriction on the Hoist
- Always ensure the Ladders are secure before raising the Catwalk.
- All Ladders should be erected using 4:1 rule and tied off for maximum safety.
- Always ensure a minimum of 300mm of the staging sits on each Platform.
- Always assess the site for suitability. Spiking of the feet maybe required.
- To comply with the BS EN 12811 & EN13374 then the Dec's need to be tied into the structure, however risk assessment should to be undertaken in all instances to ascertain the correct procedure.

  **Remember:** always tie the Dec's into the structure if used as edge protection.
- Always strap the staging securely onto the platform.
- Maximum load of 600kg including hand tools evenly distributed.

Dismantle: Reverse the above procedure.