

# INSTALLATION MANUAL

SOLAWARE®



## ASSEMBLY TIPS, TOOLS AND NOTES:

### How to select and prepare your building site:

Before you start to assemble the SOLAWARE® Unit, you will want to decide on a good location for installation.

Installation should be done on a flat and strong surface that receives direct sunshine for most of the day and is not shaded by trees or buildings.

Keep children and pets away from the worksite during construction and until the parts are completely assembled. This will help avoid distractions and any accidents which may occur.

### Watch the weather closely:

Be sure the day you choose to install the Unit is dry and calm. Be careful on wet and muddy ground.

### Tools and materials used for installation:

Practice caution with the tools being used in the assembly of this SOLAWARE® Unit. Be especially familiar with the operation of all power tools.

- work gloves
- safety glasses
- hammer drill and power drill



- Tamper-Resistant/Security Screwdriver bits - For the Button Head Torx screws, Size T25-TR
- Shovel
- Drill bits - For drilling holes in concrete, Size - 3/8 in. Diameter x 6 in. Length  
(Recommended drill bit – Bosch's Blue Granite Turbo Carbide Hammer Drill Bit for Concrete, Stone and Masonry Drilling, model: HCBG12T)

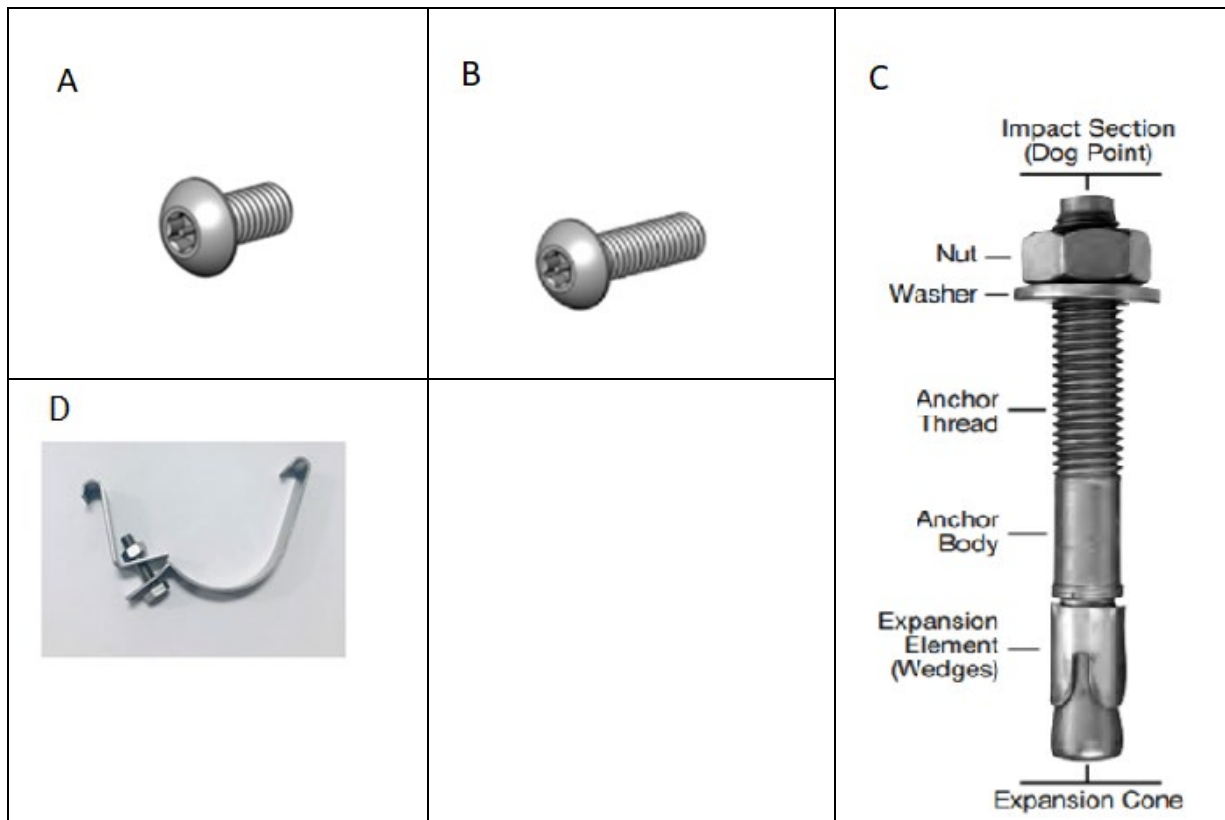
### Note:

- Do not attempt to assemble the unit before double checking that you have all the parts indicated on the parts list as well as hardware list.

## HARDWARE LIST

Key No.	Mfg. Part No.	VR Part No.	Part Description	Quantity	✓ List
A	91900A855	HDWE0022	Tamper-Resistant Button Head Torx Screws, M5X0.80mm Thread, 10mm long	15	
B	91900A857	HDWE0020	Tamper-Resistant Button Head Torx Screw, (M5X0.80mm) Thread, 16mm long	3	
C	204993010	HDWE0051	3/8 in. X 5 in. Kwik Bolt 3 Long Thread Carbon Steel Expansion Anchors	4	
D	GY060	HDWE0050	Metz mounting belt	4	

## HARDWARE PICTURES WITH KEY NO.



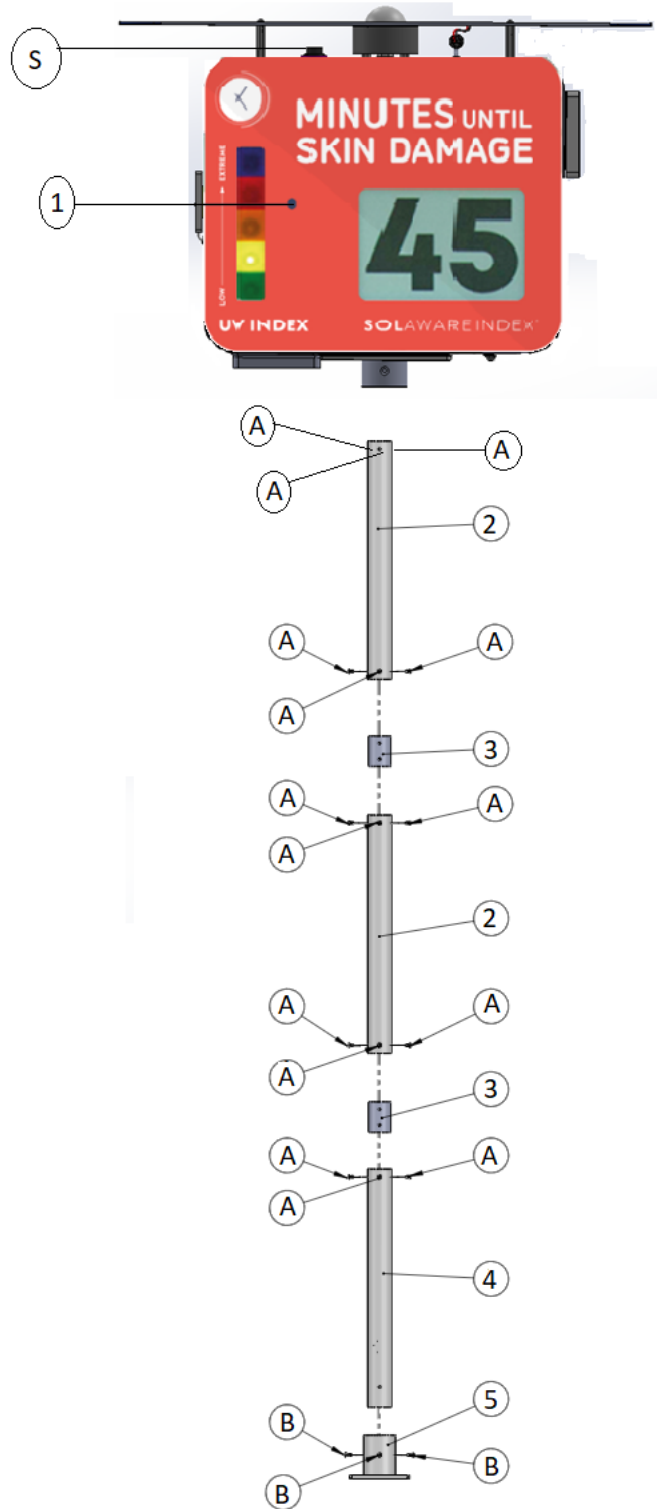
## PARTS LIST

Key No.	VR Part No.	Part Description	Quantity	✓ List
1	HUSR0002	Head Unit Assembly	1	
2	POLE0001	Top Pole Section	2	
3	POLE0003	Pole Collar Inserts	2	
4	POLE0002	Bottom Pole Section	1	
5	POLE0004	Pole Base	1	
6	SUBASSY0006	UV Index Education Signage	1	

## PART PICTURES WITH KEY NO.



# ASSEMBLY BY KEY NO.



# 1. CONSTRUCTING A BASE

## 1.1 Option 1: - Directly on ground

Tools Used	Hammer Drill, Hammer, Wrench
Hardware Used	C
Parts Used	5

### Notes:

- Find a flat uncracked concrete surface.
- Recommended drill bit: 3/8" X 4" X 6" Blue Granite Turbo Carbide Hammer Drill Bit



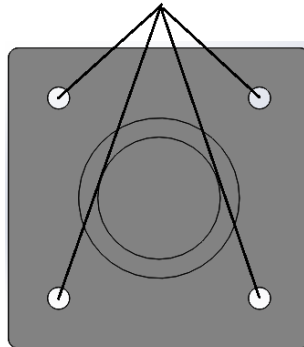
### Safety Precautions:

- Avoid baggy clothing, Loose sleeves or jewelry.
- Properly set the drill bit and apply proper pressure to the drill.
- Wear protective gear.

- I. **STEP 1:** First, take the Pole Base and mark the four holes on the flat surface for proper anchor location before drilling. Use a recommended drill bit with a hammer drill to drill a hole.

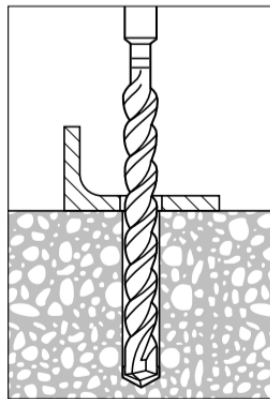
Mark the holes before  
drilling

**Fig 1.1**

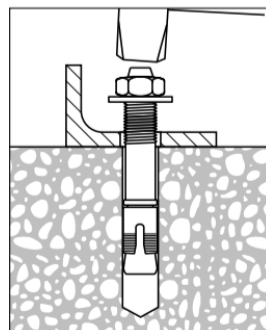


- II. **STEP 2:** The hole depth must always be  $\frac{1}{2}$  inch deeper than the anchor will penetrate. After drilling a hole, clean the hole using a brush or a vacuum.

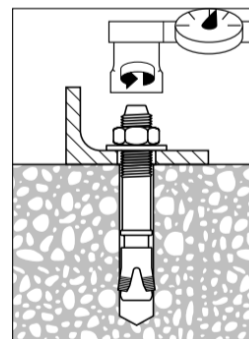
**Fig 1.2**



- III. **STEP 3:** Align the Pole Base (5) to the drilled hole and drive the Kwik Bolt 3 into the hole using a hammer (Fig1.3). The anchor must be driven until at least six threads are below the surface of the pole base. Tighten the nut to the installation torque using a wrench Fig (1.4). Make sure the Pole base is firmly installed.



**Fig 1.3**



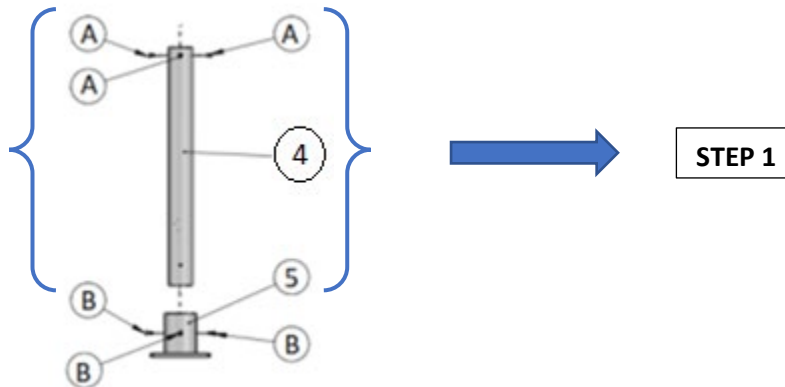
**Fig 1.4**

## 2. POLE ASSEMBLY INSTRUCTIONS

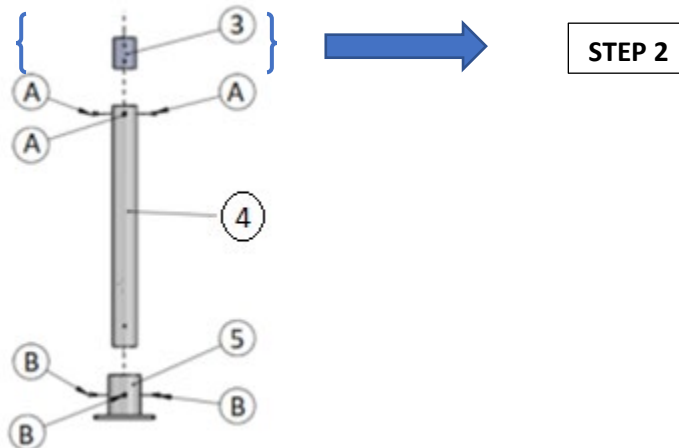
Tools Used	Power Drill, T25 Security Bit
Hardware Used	A, B
Parts Used	2,3,4

### Notes:

- Start assembling the Pole from the Pole Base or the Rubber Base as the base is fixed and helps keep the pole firm until the top is attached.
  - Make sure all the hardware and parts are included and accurate before construction.
  - Identify the poles on their associated Key No.
- I. **STEP 1:** Take one bottom pole section (4), align to the Pole Base (5) and fasten it using three button head Torx screw (B) with T25 screw bit.

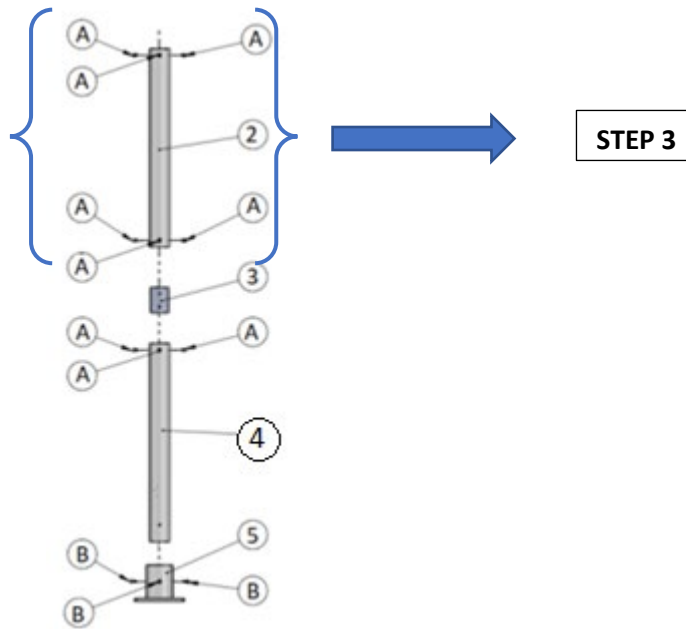


- II. **STEP 2:** - Take one pole collar insert (3) align to the fixed bottom pole section (4) and fasten it using three button head Torx screw (A) with T25 screw bit.

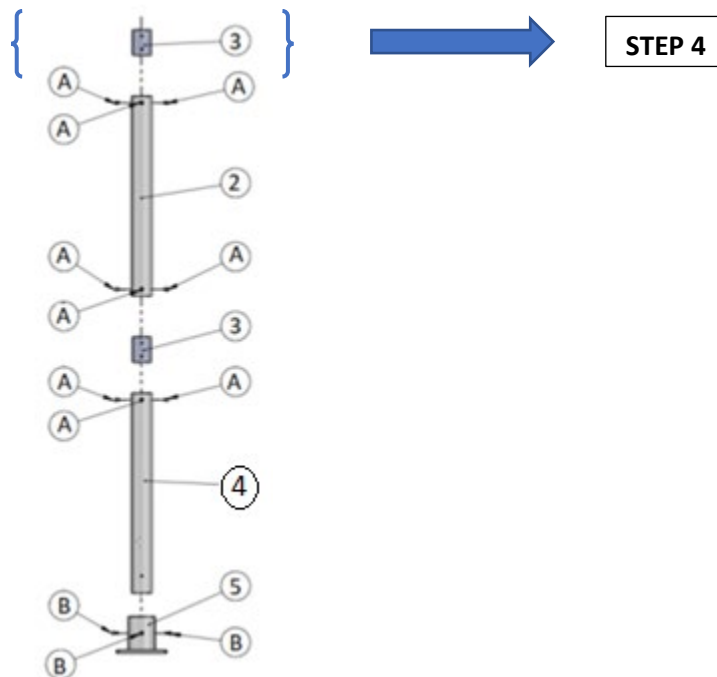




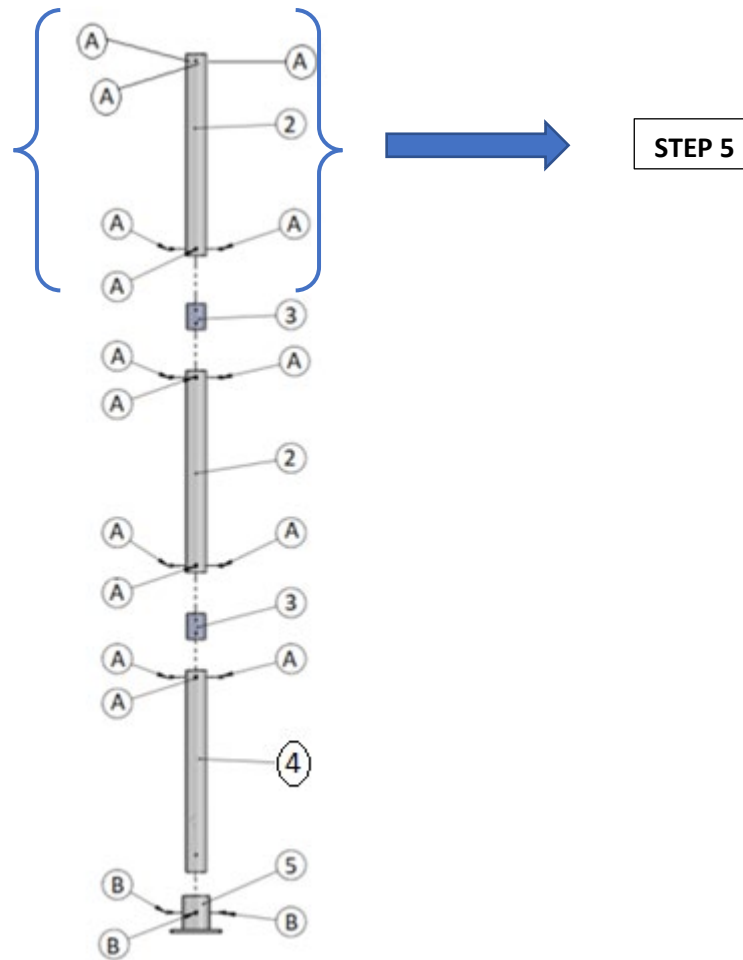
- III. **STEP 3:** - Now, take one Top Pole Section (2) align it to the fixed pole collar inserts (3) and fasten it using three Button Head Torx screws (A) with T25 screw bit.



- IV. **STEP 4:** - Take another one Pole Collar Inserts (3), align it to the fixed Top Pole Section (2) and fasten them using three button head Torx Screw (A) with T25 screw bit.



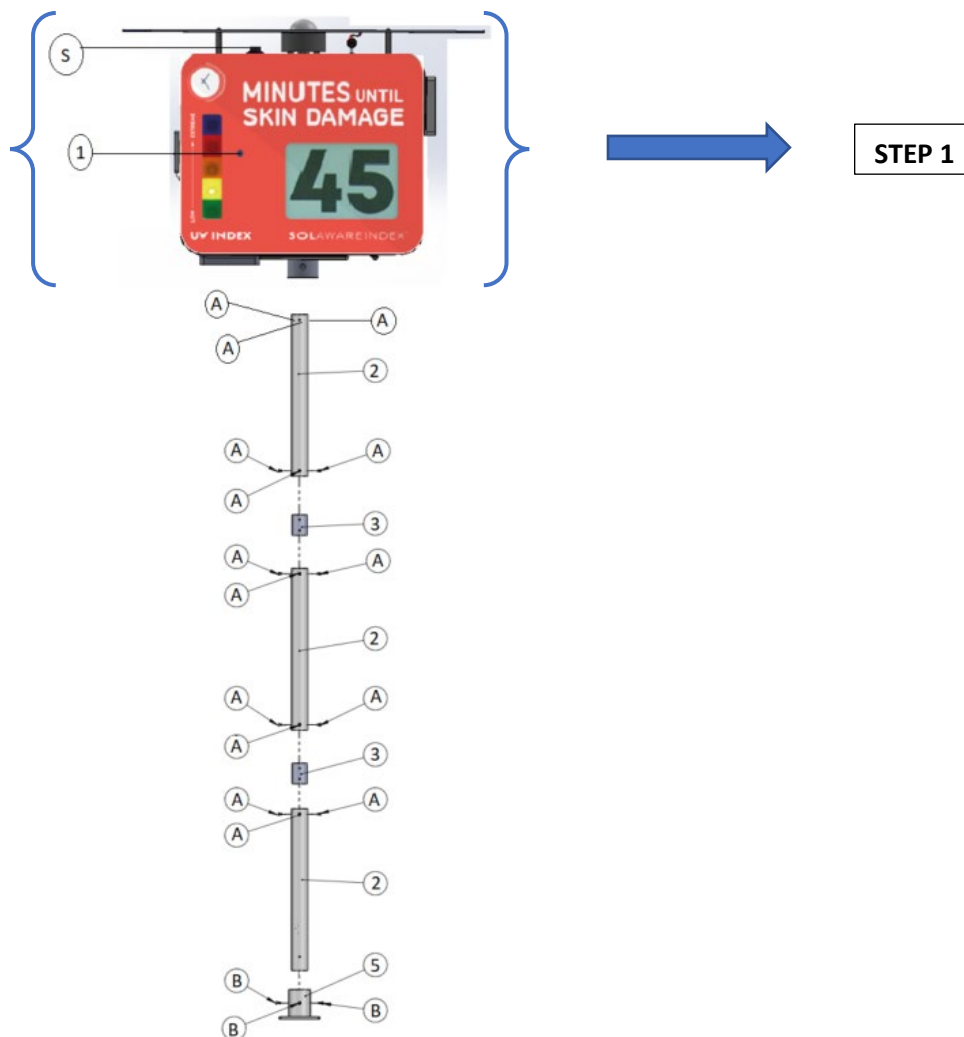
- V. **STEP 5:** - Take another Top Pole Section (2), align it to the fixed Pole Collar Inserts (3) and fasten it using three button head Torx screws (A) with T25 screw bit.



### 3. CONSTRUCTING A HEAD UNIT ON POLE ASSEMBLY

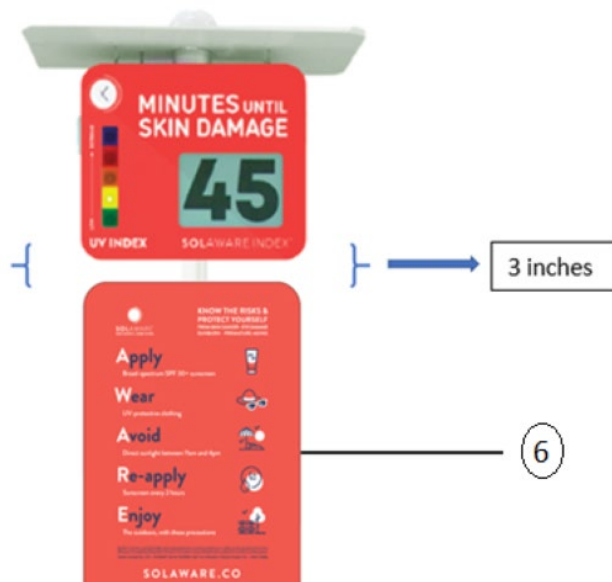
Tools Used	Power drill, T25 Security bit
Hardware Used	A
Parts Used	1

- I. **STEP 1:** - Place the assembled Head Unit (1) on the Top Pole section (2) and fastened it using three button head Torx screws (A) with T25 screw bit.



## 4. INSTALLING AN UV INDEX WARNING SIGNAGE AND SUNSCREEN DISPENSER

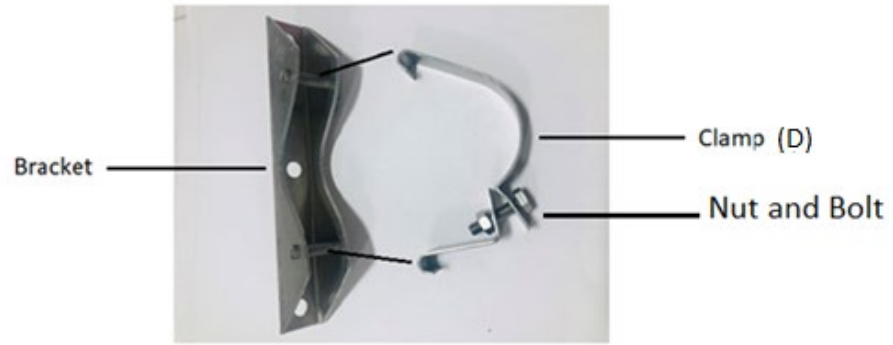
Tools Used	Wrench
Hardware Used	D
Parts Used	6



### NOTES:

- Make sure the sign board is aligned parallel to the Head Unit.
- Make sure the nut and bolt are fastened tightly using a wrench.
- Make sure there is a 3-inch gap between Head Unit and Sign Board
- The brackets will be mounted to the Sign Board

- I. **STEP 1:** - Place the warning sign board (6) 3 - inches apart from the Head Unit on the Pole. Hook the quick clamps (D) to the brackets, fasten the nut and bolt together with a wrench.



Sign Board

## 5. TURN ON THE SWITCH

- I. **STEP 1:** - Press the Switch (S) Button to turn ON the Unit. Check the LED lights and the display screen to turn ON.



### Note:

- If the Display screen and LED lights do not turn On, there is a possibility that the battery in the Head Unit is drained out.
- Charge the Head unit by plugging the power supply to the point (P) using the given power cord.

Klarex® Health, LLC  
PO Box 185755  
Hamden, CT 06518 USA  
klarexhealth.com

