



HCS EVSE ACCESSORY: Travel Bracket

INSTALLATION GUIDE

Please Note: This installation guide includes the latest information at the time of printing. Enphase Energy, Inc. reserves the right to make changes to this product without further notice.

It is the responsibility of the installer to ensure that the HCS EVSE installation conforms to all local electrical codes.

This installation guide describes the mounting of an HCS Travel Bracket with an HCS EVSE and holster.

- ClipperCreek HCS Travel Bracket (part number 0300-00-032)
- Any ClipperCreek HCS Series EVSE may be mounted on this bracket

INSTALLATION REQUIREMENTS

Required Equipment for installing an HCS Travel Bracket with an HCS EVSE:

- One (1) ClipperCreek HCS EVSE Travel Bracket Kit
- One (1) ClipperCreek HCS EVSE
- One (1) Dedicated 208 or 240VAC Branch Circuit
- Appropriate Receptacle for Plug Type (if applicable)
- Two (2) Live Line Conductors
- One (1) Ground Line Conductor

TOOLS REQUIRED FOR ASSEMBLING THE HCS TRAVEL BRACKET

The following tools are required for the installation and assembly of the Travel Bracket components on a solid-wall, wood backing, hollow, or drywall backing:

- Level
- Pen for marking screw positions on wall
- Stud finder (if hollow or drywall)
- Drill
- $\frac{3}{32}$ " Drill bit for pilot holes
- $\frac{3}{8}$ " Drill bit (sheet rock only)
- #2 Phillips Head Screwdriver or bit





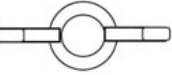
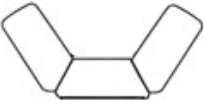
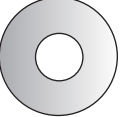


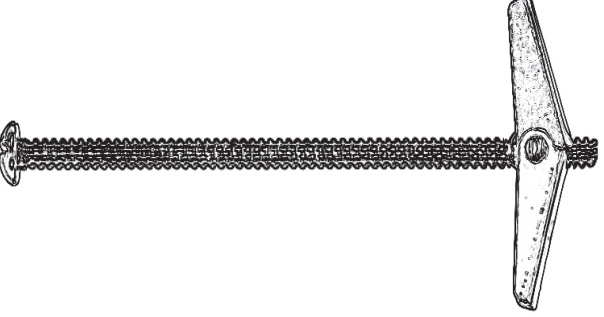




WARNING: This product can expose you to chemicals, including Carbon Black, which is known to the State of California to cause cancer. For more information go to: www.P65Warnings.ca.gov



PACKING LISTS

0300-00-032 HCS Wall-Mount Travel Bracket Kit

Item Reference	Part Number	QTY	Description
(A)	1003-0064	1	Plate, Mounting Bracket, HCS Travel Bracket, CC-053 Rev. D
(B)	4000-0029	2	Screw, Wood, #10, 2", Phillips, Flat, Zn
(C)	4001-0011	2	Nut, Wing, 1/4" - 20, 1-1/8", 5/8" Machine, Hex, Zn
(D)	4002-0014	2	Washer, 1/4" ID, 5/8" OD, 18-8 SS
(E)	4014-0000	4	Bolt, Toggle, 6-32, 3", Machine, Phillips, Round, Zn
(F)	4015-0011	2	Cap, Stud, Vinyl, 0.234" ID, 0.5", Black (installed)
(G)	4001-0013	2	Nut, Wing, 1/4" - 20, 7/16", 7/32", Machine, Hex, SS (installed)

HARDWARE	
Front	Side
B x 2 	
C x 2 	
D x 2 	
E x 4 	
F x 2 (installed) 	
G x 2 (installed) 	



INSTALLATION

IMPORTANT: Turn off power at the circuit breaker before connecting the HCS EVSE to, or disconnecting the HCS EVSE from power.

The Travel Bracket is designed to be permanently attached to the wall. The HCS EVSE is the moveable portion and can quickly be removed for relocation when moving or traveling.

The EVSE should be mounted 24 to 48 inches above the ground. The holster will optimally be placed 8" above the EVSE. See **Figure 1**.

Start by removing the two vinyl caps (F x 2) that cover the ends of the threaded inserts. See **Figure 2**.

Figure 1: Recommended Height Measurements

If ADA compliance is necessary, the holster must be mounted next to (instead of above) the EVSE. Both the EVSE and the holster must be mounted at the applicable code heights.

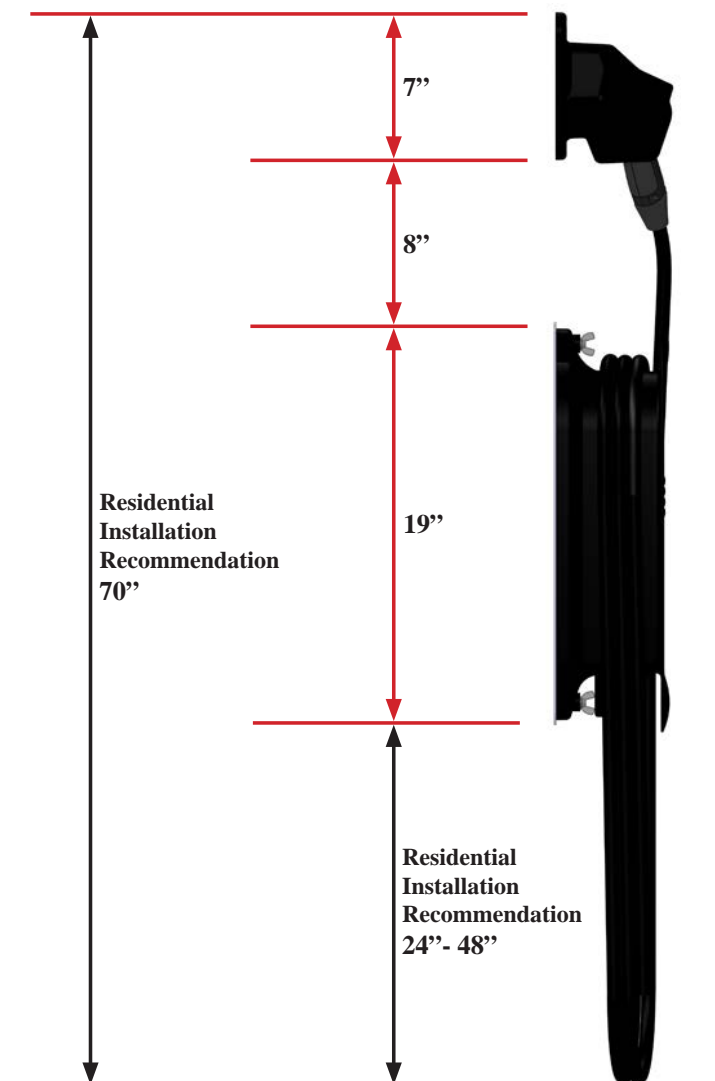
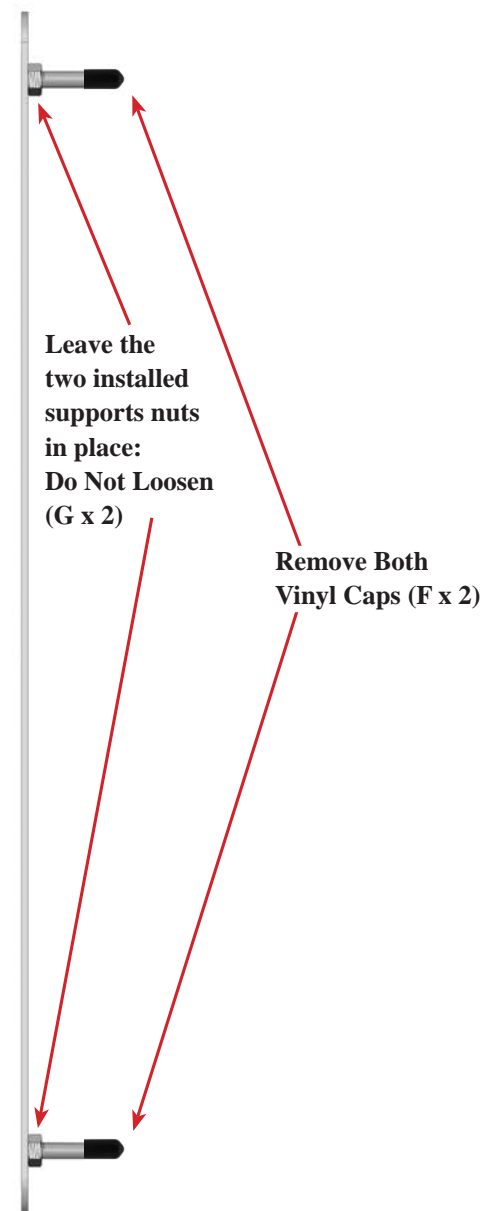


Figure 2: Remove Both Vinyl Caps





INSTALLATION (continued)

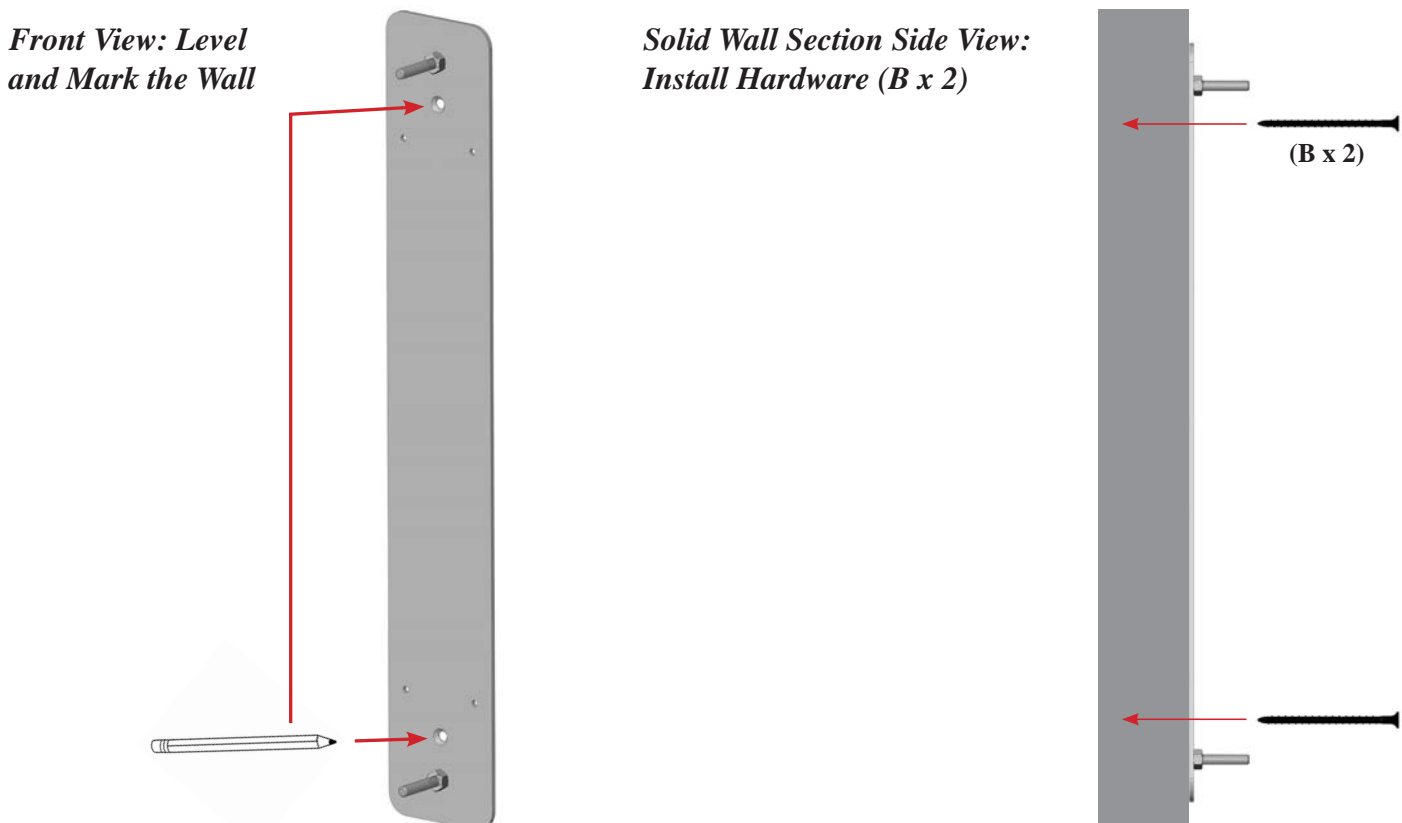
HCS Travel Bracket Mounting for Solid-Wall or Wood Stud Construction

The HCS Travel Bracket and HCS EVSE are best secured when mounted against a solid wall or wood stud. Place the Travel Bracket such that both large mounting holes can take advantage of solid structural framing inside of the wall or a strong wall surface such as plywood with backing. Use a level to adjust the Travel Bracket evenly along the wall. If mounting on a stud, use a stud finder to locate the center. Mark two locations on the wall using the large holes at the top and bottom center of the Travel Bracket as shown in **Figure 3**.

- **To secure the unit in concrete:** Pre-drill appropriately sized holes and use multi-set or wedge anchor hardware at both mounting points. Place the Travel Bracket against the wall and secure with screws.
- **To secure the unit in brick or stone:** Pre-drill appropriately sized holes and use sleeve anchors at both mounting points. Place the Travel Bracket against the wall and secure with screws.
- **To secure the unit against a wood stud:** Pre-drill appropriately sized pilot holes to allow the lag screw to grip the wooden structure while preventing the wood from cracking or splintering while the screw is fastened. Place the Travel Bracket against the wall and secure with the wood screws (**B x 2**) that are included with the Travel Bracket.

Ensure the Travel Bracket rests securely on the wall. See **Mounting the HCS EVSE** instructions next.

Figure 3: Secure Travel Bracket Against Solid-Wall or Wood Stud Construction





INSTALLATION (continued)

HCS Travel Bracket Mounting for Sheet Rock Construction

Use a level to adjust the Travel Bracket evenly along the wall. Mark the four locations on the wall using the smaller corner holes on the bracket as shown in **Figure 4**.

Take the toggle bolt anchor off of the toggle bolt and insert the four toggle bolts (**E x 4**) in the corner holes on the bracket. Put toggle bolts anchors halfway onto screws, with the wide open end facing the head of the screw. See **Figure 4 (Back View)**. Use a drill to create holes large enough to push the flattened toggle bolts through the wall. Start with a $\frac{3}{8}$ " drill bit and widen as needed.

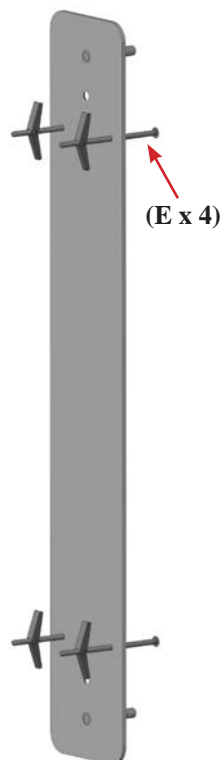
NOTE: Keep the wall holes as small as possible to ensure a secure hold.

Line up the toggles to the holes on the wall, squeeze each toggle bolt together and carefully push the toggle bolts into the wall holes. With controlled motions, use a drill to tighten the screws in a star pattern, keeping the toggle bolts held against the other side of the wall for pressure when inserting the screws. The larger studs at the top and bottom of the bracket can be gently pulled to help maintain pressure with the toggle bolts against the back of the wall. Make sure all screws are flush and the bracket is secure.

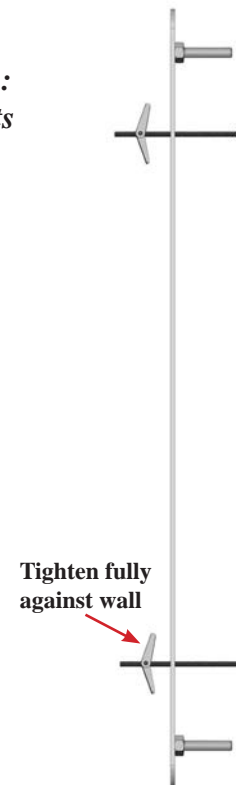
Ensure the Travel Bracket rests securely on the wall. See **Mounting the HCS EVSE** instructions next.

Figure 4: Angle View and Side View

**Back View: Insert
Toggle Bolts**



**Sectional Side View:
Tighten Toggle Bolts
Against the Wall**





INSTALLATION (continued)

IMPORTANT: Turn off power at the circuit breaker before connecting the HCS EVSE to power.

Mounting the HCS EVSE

Place the HCS unit onto the Travel Bracket using the threaded posts that protrude from the top and bottom of the bracket as shown in **Figure 5**. Place the plastic angle washers (that were included with the HCS), then the washers (**D x 2**) onto the screws and secure both screws with wing nuts (**C x 2**) as shown in **Figure 5**.

NOTE: There are two different sets of plastic angle washers included with the HCS EVSE. Select the Perpendicular Screw Mount Angled Washers only.

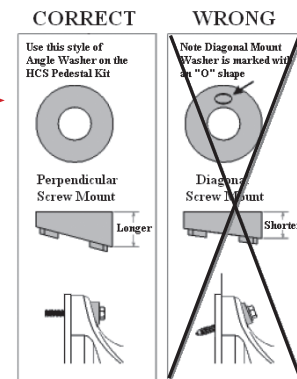
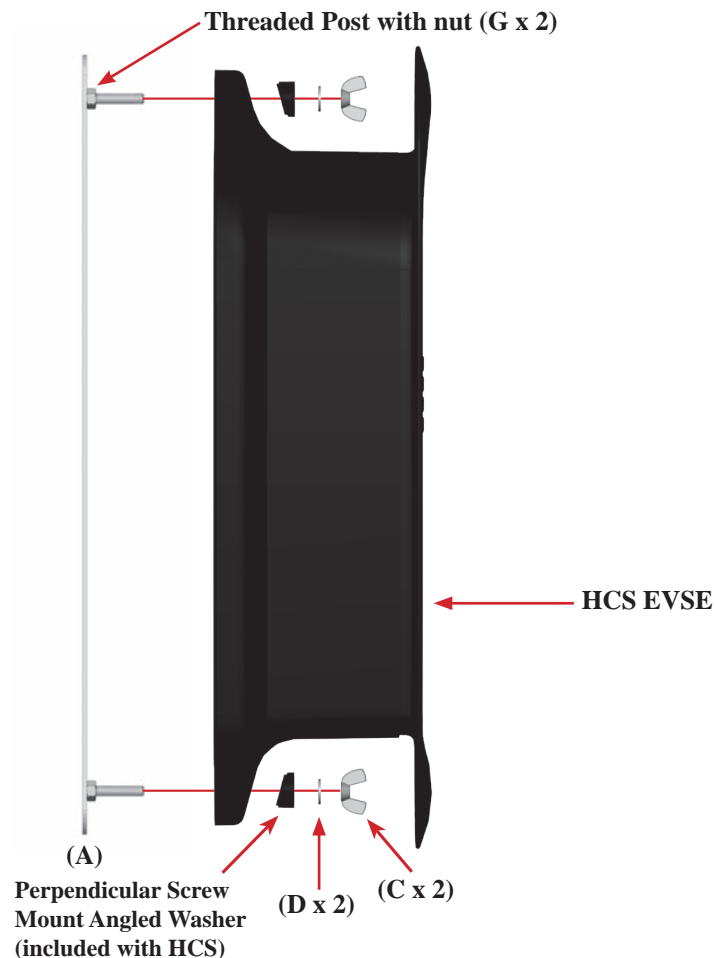


Figure 5: Mounting the HCS EVSE onto the Travel Bracket





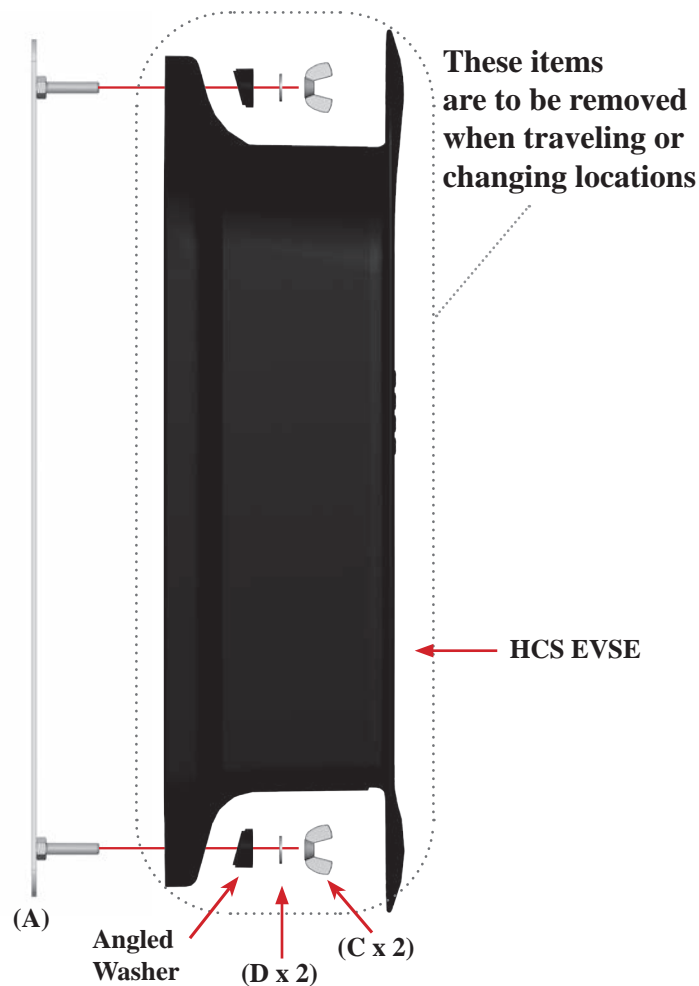
REMOVING THE HCS FOR TRAVEL

IMPORTANT: Turn off power at the circuit breaker before disconnecting the HCS EVSE from power.

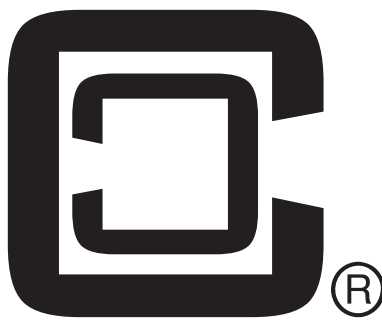
Unscrew and remove wing nuts, washers and plastic angle washers. Gently pull to remove the HCS EVSE from the Travel Bracket. The wing nuts, washers, plastic angle washers and the HCS EVSE will be used at the next location.

NOTE: Save the plastic bag to bring the angle washers when traveling.

Figure 6: Side and Angle Views



NOTE: The Travel Bracket (A) remains permanently attached to wall.



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