innovative infrastructure for electric and hybrid vehicles

PEDESTAL INSTALLATION GUIDE
TESLA® WALL CONNECTOR & CLIPPERCREEK HCS
**PLEASE NOTE**

This user’s manual includes the latest information at the time of printing.

ClipperCreek, Inc. reserves the right to make changes to this product without further notice. Changes or modifications to this product by other than an authorized service facility may void the product warranty.

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If you have questions about the use of this product, contact your customer service representative. Refer to the Customer Support section located in this guide.
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IMPORTANT SAFETY INSTRUCTIONS

BEFORE YOU BEGIN: Read these instructions completely, including the Safety Instructions. If you have questions about the use of this product, contact your Service Representative.

NOTE TO THE INSTALLER: Be sure to leave these instructions with the user.

NOTE TO THE USER: Keep these instructions for further reference.

The TESLA® Wall Connector and ClipperCreek Electric Vehicle Supply Equipment (EVSE or “charging station”) are designed with the safety concerns of the end user as an utmost priority; however, the following safety precautions must be read and followed:

• The charging station and electrical wiring should be installed by a qualified electrician in accordance with local electrical codes and ordinances.
• Grounding Instructions - The charging station should be connected to a grounded, metal, permanent wiring system; or an equipment-grounding conductor should be run with circuit conductors and connected to a grounding terminal or lead on the charging station. Connections to the charging station should comply with all local electrical codes and ordinances.
• Call your local service provider anytime a procedural question arises; DO NOT attempt to perform a procedure you are unsure of.
• Read all installation instructions carefully before performing the pedestal and charging station installation.

EVSE PEDESTAL INSTALLATION GUIDE: TESLA® WALL CONNECTOR AND CLIPPERCREEK HCS CONFIGURATIONS

• Single TESLA®
• Dual TESLA®
• Single ClipperCreek HCS
• Dual ClipperCreek HCS
• Combo TESLA® and ClipperCreek

TOOLS REQUIRED FOR ASSEMBLING THE TESLA® WALL CONNECTOR MOUNTING PLATE AND PEDESTAL

THE FOLLOWING TOOLS ARE REQUIRED FOR THE INSTALLATION AND ASSEMBLY OF THE TESLA® WALL CONNECTOR MOUNTING PLATE COMPONENTS.

• T20 Torx driver
• T27 Torx Driver
• 5/16” Box Wrench
• Ratchet wrench with 8mm Socket or 5/16” Nut Driver
• 5/16” Flathead Screwdriver (for Ground Block Lug)
• 1 ¼” (32mm) hole saw
• #2 Phillips Head Screwdriver
• 5/16” Flathead Screwdriver (for Ground Block Lug)
• Box Wrench (appropriately sized for the Anchor Nuts)

TOOLS REQUIRED FOR ASSEMBLING CLIPPERCREEK HCS CHARGING STATION AND PEDESTAL

THE FOLLOWING TOOLS ARE REQUIRED FOR THE INSTALLATION AND ASSEMBLY OF THE CLIPPERCREEK HCS PEDESTAL COMPONENTS.

• L-shape T27 Torx Driver (there are some tight spaces, advise using both the long and short T27’s for faster assembly)
• #2 Phillips Head Screwdriver
• 5/16” Flathead Screwdriver (for Ground Block Lug)
• Box Wrench (appropriately sized for the Anchor Nuts)
NOTE TO INSTALLER REGARDING THE COMBO CONFIGURATIONS:
For easiest assembly install TESLA® Wall Connector PRIOR to the ClipperCreek HCS Combo
TESLA® WALL CONNECTOR SINGLE AND DUAL MOUNT CONFIGURATION

DIMENSIONS

14" x 15" x 51"

8.25" x 12.5"
CLIPPERCREEK HCS SINGLE AND DUAL MOUNT CONFIGURATION DIMENSIONS
INSTALLATION REQUIREMENTS

Refer to the EVSE documentation to determine the appropriate circuit breaker current capacity. All conductors must be appropriately sized for the EVSE current capacity, in accordance with local and NEC electrical codes.

REQUIRED EQUIPMENT FOR A SINGLE-MOUNT PEDESTAL WITH ONE TESLA® WALL CONNECTOR (ONE EVSE PEDESTAL):

- One (1) TESLA® Wall Connector (EVSE). NOTE: The TESLA® Wall Connector comes with a Cable Organizer for Wall Mounting Purposes only. This cable organizer is not utilized on the Pedestal Mounting System.
- One (1) ClipperCreek TESLA® EVSE Pedestal Kit, ClipperCreek part number 0300-00-022.
- One (1) dedicated 208 or 240 V AC branch circuits.
- One (1) circuit breaker, appropriately sized with respect to the charging capacity of each EVSE.
- Two (2) Live Line conductors with enough length to comfortably pull all the way through and above the top of the pedestal.
- One (1) Ground Line conductor with enough length to comfortably pull all the way through and above the top of the pedestal.
- Conduit sized to fit all three conductors.
- Four (4) Anchor Bolts with Nuts and Washers

REQUIRED EQUIPMENT FOR A DUAL-MOUNT PEDESTAL WITH TWO TESLA® WALL CONNECTORS (TWO EVSE’S PER PEDESTAL):

- Two (2) TESLA® Wall Connectors (EVSE’s). NOTE: The TESLA® Wall Connector comes with a Cable Organizer for Wall Mounting Purposes only. This cable organizer is not utilized on the Pedestal Mounting System.
- One (1) ClipperCreek TESLA® EVSE Pedestal Kit, ClipperCreek part number 0300-00-022.
- One (1) ClipperCreek Dual-Mount TESLA® Mounting Plate Kit, ClipperCreek part number 0300-00-021.
- Two (2) dedicated 208 or 240 V AC branch circuits.
- Two (2) circuit breakers, appropriately sized with respect to the charging capacity of each EVSE.
- Two pairs (2x2) Live Line conductors (one pair for each EVSE) with enough length to comfortably pull all the way through and above the top of the pedestal.
- Two (2) Ground Line conductors (One for each EVSE) or a single bonded Ground Line with enough length to comfortably pull all the way through and above the top of the pedestal.
- Conduit sized to fit all Live Line and Ground Line conductors.
- Four (4) Anchor Bolts with Nuts and Washers

REQUIRED EQUIPMENT FOR A COMBO DUAL-MOUNT PEDESTAL WITH ONE TESLA® WALL CONNECTOR AND ONE HCS CHARGING STATION (TWO EVSE’S PER PEDESTAL):

- One (1) TESLA® Wall Connector (EVSE). NOTE: The TESLA® Wall Connector comes with a Cable Organizer for Wall Mounting Purposes only. This cable organizer is not utilized on the Pedestal Mounting System.
- One (1) ClipperCreek HCS EVSE Pedestal Kit, ClipperCreek part number 0300-00-019.
- One (1) ClipperCreek HCS Charging Station (EVSE), part number depends on amperage selected.
- One (1) ClipperCreek Dual-Mount TESLA® Mounting Plate Kit, ClipperCreek part number 0300-00-021.
- Two (2) dedicated 208 or 240 V AC branch circuits.
- Two (2) circuit breakers, appropriately sized with respect to the charging capacity of each EVSE.
- Two pairs (2x2) Live Line conductors (one pair for each EVSE) with enough length to comfortably pull all the way through and above the top of the pedestal.
- Two (2) Ground Line conductors (One for each EVSE) or a single bonded Ground Line with enough length to comfortably pull all the way through and above the top of the pedestal.
- Conduit sized to fit all Live Line and Ground Line conductors.
- Four (4) Anchor Bolts with Nuts and Washers
REQUIRED EQUIPMENT FOR A SINGLE-MOUNT PEDESTAL WITH ONE CLIPPERCREEK HCS CHARGING STATION (ONE EVSE PER PEDESTAL):

- One (1) ClipperCreek HCS EVSE Pedestal Kit, ClipperCreek part number 0300-00-019.
- One (1) ClipperCreek HCS Charging Station (EVSE), part number depends on amperage selected.
- One (1) dedicated 208 or 240 VAC branch circuit.
- One (1) circuit breaker appropriately sized for the EVSE charging capacity.
- Two (2) Live Line conductors with enough length to comfortably pull all the way through and above the top of the pedestal.
- One (1) Ground Line conductor with enough length to comfortably pull all the way through and above the top of the pedestal.
- Conduit sized to fit all three conductors.
- Four (4) Anchor Bolts with Nuts and Washers

REQUIRED EQUIPMENT FOR A DUAL-MOUNT PEDESTAL WITH TWO CLIPPERCREEK HCS CHARGING STATIONS (TWO EVSE’S PER PEDESTAL):

- One (1) ClipperCreek HCS EVSE Pedestal Kit, ClipperCreek part number 0300-00-019.
- One (1) ClipperCreek Dual-Mount HCS Pedestal Kit, ClipperCreek part number 0300-00-020.
- Two (2) ClipperCreek HCS Charging Stations (EVSEs), part number depends on amperage selected.
- Two (2) dedicated 208 or 240 VAC branch circuits.
- Two (2) circuit breakers, appropriately sized with respect to the charging capacity of each EVSE.
- Two pairs (2x2) Live Line conductors (one pair for each EVSE) with enough length to comfortably pull all the way through and above the top of the pedestal.
- Two (2) Ground Line conductors (One for each EVSE) or a single bonded Ground Line with enough length to comfortably pull all the way through and above the top of the pedestal.
- Conduit sized to fit all Live Line and Ground Line conductors.
- Four (4) Anchor Bolts with Nuts and Washers
## PACKING LISTS

### 0300-00-022 TESLA® PEDESTAL KIT, STANDARD 4 FOOT, SINGLE-MOUNT

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1003-0043</td>
<td>1</td>
<td>Pedestal Metalwork, Cap with Front and Rear Flange NOTE: this item may already be attached to the top of the pedestal.</td>
</tr>
<tr>
<td>1003-0023</td>
<td>2</td>
<td>Pedestal Metalwork, Base Cover</td>
</tr>
<tr>
<td>1003-0035</td>
<td>1</td>
<td>Pedestal Metalwork, 4-Foot Post</td>
</tr>
<tr>
<td>1003-0037</td>
<td>1</td>
<td>Pedestal Metalwork, Hole Cover Plate</td>
</tr>
<tr>
<td>1003-0042</td>
<td>1</td>
<td>Pedestal Metalwork, TESLA® Wall Connector Mounting Plate</td>
</tr>
<tr>
<td>4000-0010</td>
<td>4</td>
<td>Machine Screw, Tapered Flat Head, 6-32 Size, 3/8” Length, Phillips</td>
</tr>
<tr>
<td>4000-0011</td>
<td>4</td>
<td>Machine Screw, Tapered Flat Head, 1/4-20 Size, 3/4” Length, T27 Torx</td>
</tr>
<tr>
<td>4000-0012</td>
<td>2</td>
<td>Machine Screw, Button Head, 1/4-20 Size, 1” Length, T27 Torx</td>
</tr>
<tr>
<td>4001-0008</td>
<td>2</td>
<td>Hex Nut, 18-8 Stainless Steel, 5/16”-18 Thread, 1/2” Width, 17/64” Height</td>
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<tr>
<td>4002-0002</td>
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<td>Washer, Galvanized Steel, Neoprene Bonded Seal, 1/4” ID, 5/8” OD</td>
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<tr>
<td>4002-0008</td>
<td>2</td>
<td>Washer, 18-8 Stainless Steel, 5/16” screw size, 11/32” ID, 11/16” OD</td>
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<td>4015-0000</td>
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<td>Plug, Plastic Push-In, 1-3/32” ID, 1-7/32” OD</td>
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<td>4015-0001</td>
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<td>Plug, Plastic Push-In, 1-3/8” ID, 1-1/2” OD</td>
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<td>4015-0004</td>
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<td>Plug, Plastic Push-In, 7/8” ID, 1” OD</td>
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</tbody>
</table>

### 0300-00-019 HCS PEDESTAL KIT, STANDARD 4 FOOT, SINGLE-MOUNT

<table>
<thead>
<tr>
<th>PART NUMBER</th>
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<tbody>
<tr>
<td>1001-0015</td>
<td>1</td>
<td>Holster, gray polycarbonate</td>
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<tr>
<td>1003-0014</td>
<td>1</td>
<td>Pedestal Metalwork, Cap with Rear Flange NOTE: this item may already be attached to the top of the pedestal.</td>
</tr>
<tr>
<td>1003-0023</td>
<td>2</td>
<td>Pedestal Metalwork, Base Cover</td>
</tr>
<tr>
<td>1003-0035</td>
<td>1</td>
<td>Pedestal Metalwork, 4-Foot Post</td>
</tr>
<tr>
<td>1003-0037</td>
<td>1</td>
<td>Pedestal Metalwork, Hole Cover Plate</td>
</tr>
<tr>
<td>1003-0039</td>
<td>1</td>
<td>Pedestal Metalwork, HCS Charging station Mounting Plate</td>
</tr>
<tr>
<td>4000-0005</td>
<td>2</td>
<td>Machine Screw, Pan Head, 8-32, ½” Length, Phillips</td>
</tr>
<tr>
<td>4000-0010</td>
<td>4</td>
<td>Machine Screw, Tapered Flat Head, 6-32 Size, 3/8” Length, Phillips</td>
</tr>
<tr>
<td>4000-0011</td>
<td>3</td>
<td>Machine Screw, Tapered Flat Head, 1/4-20 Size, 3/4” Length, T27 Torx</td>
</tr>
<tr>
<td>4000-0012</td>
<td>2</td>
<td>Machine Screw, Button Head, 1/4-20 Size, 1” Length, T27 Torx</td>
</tr>
<tr>
<td>4000-0019</td>
<td>2</td>
<td>Machine Screw, Button Head, 1/4-20 Size, 2” Length, T27 Torx</td>
</tr>
<tr>
<td>4002-0001</td>
<td>2</td>
<td>Washer, #8, Zinc, 3/16”ID, 7/16” OD</td>
</tr>
<tr>
<td>4002-0002</td>
<td>4</td>
<td>Washer, Galvanized Steel, Neoprene Bonded Seal, 1/4” ID, 5/8” OD</td>
</tr>
<tr>
<td>4002-0004</td>
<td>1</td>
<td>Washer, Liquid Tight Sealing, Thermoplastic, ½”</td>
</tr>
<tr>
<td>4013-0008 or 4013-0009</td>
<td>1</td>
<td>Pedestal Conduit Assembly, Standard 90 degree 1/2” NPT Fitting Conduit for HCS-60 (or higher) and 3/8” NPT for HCS-40 (or lower)</td>
</tr>
<tr>
<td>4015-0000</td>
<td>4</td>
<td>Plug, Plastic Push-In, 1-3/32” ID, 1-7/32” OD</td>
</tr>
<tr>
<td>4015-0001</td>
<td>2</td>
<td>Plug, Plastic Push-In, 1-3/8” ID, 1-1/2” OD</td>
</tr>
<tr>
<td>4015-0004</td>
<td>2</td>
<td>Plug, Plastic Push-In, 7/8” ID, 1” OD</td>
</tr>
</tbody>
</table>
# OPTIONAL ORDERABLE ITEMS

## 0300-00-021 TESLA® WALL CONNECTOR DUAL-MOUNT KIT FOR STANDARD 4 FOOT PEDESTAL (OPTIONAL)

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1003-0042</td>
<td>1</td>
<td>Pedestal Metalwork, TESLA® Wall Connector Mounting Plate</td>
</tr>
<tr>
<td>4000-0011</td>
<td>2</td>
<td>Machine Screw, Tapered Flat Head, 1/4-20 Size, 3/4” Length, T27 Torx</td>
</tr>
<tr>
<td>4001-0008</td>
<td>2</td>
<td>Hex Nut, 18-8 Stainless Steel, 5/16”-18 Thread, 1/2” Width, 17/64” Height</td>
</tr>
<tr>
<td>4002-0008</td>
<td>2</td>
<td>Washer, 18-8 Stainless Steel, 5/16” screw size, 11/32” ID, 11/16” OD</td>
</tr>
</tbody>
</table>

## 0300-00-020 HCS DUAL-MOUNT KIT FOR STANDARD 4 FOOT PEDESTAL (OPTIONAL)

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1001-0015</td>
<td>1</td>
<td>Holster, gray polycarbonate</td>
</tr>
<tr>
<td>1003-0015</td>
<td>1</td>
<td>Pedestal Metalwork, Cap without Rear Flange</td>
</tr>
<tr>
<td>1003-0039</td>
<td>1</td>
<td>Pedestal Metalwork, HCS Charging station Mounting Plate</td>
</tr>
<tr>
<td>4000-0005</td>
<td>2</td>
<td>Machine Screw, Pan Head, 8-32, ½” Length, Phillips</td>
</tr>
<tr>
<td>4000-0011</td>
<td>1</td>
<td>Machine Screw, Tapered Flat Head, 1/4-20 Size, 3/4” Length, T27 Torx</td>
</tr>
<tr>
<td>4000-0012</td>
<td>2</td>
<td>Machine Screw, Button Head, 1/4-20 Size, 1” Length, T27 Torx</td>
</tr>
<tr>
<td>4000-0019</td>
<td>2</td>
<td>Machine Screw, Button Head, 1/4-20 Size, 2” Length, T27 Torx</td>
</tr>
<tr>
<td>4002-0001</td>
<td>2</td>
<td>Washer, #8, Zinc, 3/16”ID, 7/16” OD</td>
</tr>
<tr>
<td>4002-0002</td>
<td>4</td>
<td>Washer, Galvanized Steel, Neoprene Bonded Seal, 1/4” ID, 5/8” OD</td>
</tr>
<tr>
<td>4002-0004</td>
<td>1</td>
<td>Washer, Liquid Tight Sealing, Thermoplastic, ½”</td>
</tr>
<tr>
<td>4013-0008 or 4013-0009</td>
<td>1</td>
<td>Pedestal Conduit Assembly, Standard 90 degree 1/2” NPT Fitting Conduit for HCS-60 (or higher) and 3/8” NPT for HCS-40 (or lower)</td>
</tr>
</tbody>
</table>

## 0300-06-000 120V GROUND FAULT RECEPTACLE KIT (OPTIONAL)*

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>4015-0002</td>
<td>1</td>
<td>Plug, Knockout Bushing, 1.109” OD, 3/4” Trade Size Aperture</td>
</tr>
<tr>
<td>4301-0000</td>
<td>1</td>
<td>GFCI Ground Fault Receptacle, 15A, 125V, NEMA 5-15R, Single Socket with Switch</td>
</tr>
<tr>
<td>4301-0001</td>
<td>1</td>
<td>Gang Box, Single, Silver Metal</td>
</tr>
<tr>
<td>4301-0002</td>
<td>1</td>
<td>Weatherproof Receptacle Cover, Clear, Single Gang, 2-3/4” Depth</td>
</tr>
</tbody>
</table>

* The Ground Fault Receptacle Kit includes a 120VAC GFCI receptacle and housing. It may be installed at the knock-outs located 24 inches above the base on either side of the pedestal.
MAIN PEDESTAL SETUP – BOTH HCS & TESLA® INSTALLATIONS REQUIRE THESE STEPS

1. CONCRETE PAD REQUIREMENTS
The location, dimensions, and composition of the concrete pad underlying the pedestal should always adhere to local building codes. The following dimensions are minimum recommended values. Always verify that installation plans adhere to local code requirements prior to proceeding.

- The pad area must be a minimum of 18” to a side.
- The concrete must be poured a minimum depth of 18”.
- If there is no bumper block, the center of the pedestal base should be situated 36” behind the curb.
- If a bumper block is in place, the center of the pedestal base should be situated 12” behind the curb.

2. ANCHOR BOLT PLACEMENT
A minimum of four (4) anchor bolts must be embedded in the concrete pad for the purposes of securing the pedestal post. The pedestal base is designed to permit the anchor bolts to be arranged in many configurations, including the following:

Use the Pedestal Base Pattern Template: To better facilitate the installation of the anchor bolts, a cardboard template in the shape of the pedestal base is included in the pedestal kit. This template is provided as a knock-out piece on the back of the cardboard box in which the cover plate is packaged. The template is specific for two bolt patterns: the standard 10” x 10” pattern and an alternate 5.25” x 11.1” rectangular pattern.
For the Standard 10” Square Pattern: Arrange four (4) 1/2” or 3/8” anchor bolts in a 10” square pattern. This placement corresponds to the corner cutouts in the pedestal base.

For the Alternate 5.25” x 11.1” Rectangular Pattern: Arrange four (4) 3/8” anchor bolts in a 5.25” by 11.1” rectangular pattern. This placement corresponds to the short inner cutouts in the pedestal base.

For the Alternate 10” x 4.75” Rectangular Pattern: Arrange four (4) 1/2” anchor bolts in a 10” by 4.75” rectangular pattern. This placement corresponds to fall within the long inner cutouts in the pedestal base.

Maximum Anchor Bolt Height: The anchor bolts should not protrude more than 3” above the surface of the concrete pad.

3. MOUNTING THE PEDESTAL POST

Once the concrete pad with anchor bolts has been prepared and the three service conductors have been pulled through the underground conduit, the pedestal post may be placed.

NOTE: DO NOT remove the tape at the bottom of the pedestal. This tape is provided for finish and weather protection of the pedestal post.

- Feed the three service conductors up through the inside of the pedestal post. The conductors must be of sufficient length to pass beyond the top of the pedestal so that final connections can be worked with comfortably at a later step.
- Align the pedestal post base notches with the four anchor bolts and ease it into place.
- NUTS AND WASHERS MAY BE USED UNDER THE PEDESTAL BASE TO ADJUST THE VERTICAL ALIGNMENT OF THE PEDESTAL SHOULD THE CONCRETE PAD NOT BE LEVEL.
- Secure the pedestal post base to the concrete anchor bolts using appropriately sized nuts and washers.
- The anchor bolts, nuts and washers used for the installation of the pedestal base are not included in the pedestal kit and must be purchased separately.
4. INSTALL THE PEDESTAL BASE COVER

A two-piece pedestal base cover set is included in the pedestal kit. The purpose of the pedestal base cover is to beautify the installation and to protect against injury from protruding anchor bolts.

- The two covers are of an identical overlapping design.
- Slide one cover on the front side of the pedestal base until the center notch surrounds half of the pedestal post. Slide the other cover onto the rear side in the same manner. Ensure that the flanges of each cover piece are tucked inside of the opposite cover.
- Align the four screw holes of each cover piece with the corresponding screw holes on the opposite cover.
- Secure each cover piece to the other with four (4) #6-32 x 3/8” flat-head tapered screws using a #2 Philips- head screwdriver.

5. REMOVE THE PEDESTAL POST CAP

A pedestal cap is provided to cover the opening to protect the conductors and inner pedestal from the elements. It may have already been assembled on the post for protection during shipping. Temporarily remove this cap for additional access to electrical connections.

YOU HAVE NOW COMPLETED INSTALLATION OF THE MAIN PEDESTAL. PLEASE REFER TO TESLA® WALL CONNECTOR AND/OR CLIPPERCREEK HCS INSTALLATION STEPS ACCORDING TO THE CONFIGURATIONS DESIRED.
TESLA® WALL CONNECTOR INSTALLATION REQUIRES THESE STEPS

THESE STEPS ARE TO BE COMPLETED AFTER THE MAIN PEDESTAL INSTALLATION FOR THE TESLA® WALL CONNECTOR CONFIGURATIONS ONLY. REPEAT EACH STEP FOR DUAL-MOUNTED CONFIGURATIONS ON THE OPPOSITE SIDE OF THE PEDESTAL:

1. INSTALL THE TESLA® WALL CONNECTOR MOUNTING PLATE
A mounting plate is affixed to the front of the pedestal post to provide a flat and rigid base on which the wall connector can be mounted. In the case of a Dual-Mount installation, a second mounting plate is affixed to the opposite side of the pedestal post.

   • Hold the wall connector mounting plate against the front side of the pedestal post as shown.
   • Align the two screw holes of the mounting plate with the two corresponding threaded inserts on the front of the pedestal post.
   • To properly position the Mounting Plate use a T27 Torx driver and two (2) 1/4-20 x 3/4” Torx flat-head tapered screws. Begin with the top position first and tighten each of the 1/4-20 x 3/4” Torx flat-head tapered screws about halfway in.
   • Firmly tighten both screws until the head of the screw is flush with the surface of the mounting plate.
   • For Dual-Mount installations, repeat on the opposite side.

2. MOUNT THE TESLA® MOUNTING BRACKET TO THE MOUNTING PLATE
With the main mounting plate in place, the pedestal is now ready for the TESLA® Mounting Bracket.

   • Align the TESLA® Mounting Bracket (which is included with the TESLA® Wall Connector) with the two studs on the Mounting Plate.
   • Place one 11/16” OD stainless steel washer over each stud.
   • Secure the washers and Mounting Bracket to the Mounting Plate by firmly tightening one 5/16-18” Hex Nut onto each stud.
   • For an installation with two TESLA® EVSE’s affixed to the same post, repeat the previous steps for the opposite side.
3. PREPARE THE TESLA® WALL CONNECTOR FOR PEDESTAL MOUNTING
With the TESLA® Mounting Bracket in place, the pedestal is now ready for a TESLA® Wall Connector to be mounted. For Dual-Mount Installations, repeat the steps below for the opposite side.

Using a Torx T20 driver, remove the two security screws from the bottom of the TESLA® Wall Connector. Keep these in a safe place to use later.

Release the front cover by gently pulling it towards you.

**CAUTION:** The ribbon cable may be attached. If so, disconnect the ribbon cable from inside the main enclosure to fully release the front cover. Do not damage the ribbon cable.

Disconnect the ground wire from the terminal block and push it out of the way to avoid damaging it when completing the next step.

Use a 1 ¼” (32mm) hole saw to remove the power entry knock-out from the back of the connector.

**CAUTION:** When using the hole saw, be careful not to damage internal components.

Reconnect the Ground wire to the terminal block.
4. MOUNT THE TESLA® WALL CONNECTOR TO THE PEDESTAL

- The TESLA® Wall Connector has provisions for 1” (25 mm) conduit.
- Align the TESLA® Wall Connector over the Mounting Bracket.
- Attach the grounding wire.
- Fasten the TESLA® Wall Connector onto the Mounting Bracket using the flange screws (supplied with the TESLA® Wall Connector) and a ratchet wrench with 8mm socket to tighten firmly into position. Use caution to prevent pinching wires.
- For Dual-Mount Installations, repeat on the opposite side.
5. CONNECT THE WIRING

**NOTE:** For most branch circuits of 100A, use 3 AWG (26.7 mm²), 75°C (167°F) copper wire. For installations less than 100A, use conductors that are sized according to local electrical codes.

**WARNING:** Do not connect service wiring until you have read and fully understand the pages in the document titled “Service Wiring.” If you are uncertain about the type of power available at the service panel, consult your local utility, or contact TESLA® for assistance.

- Turn off the Power.
  **WARNING:** RISK OF ELECTRIC SHOCK! Before connecting the wiring, use a volt meter to confirm that NO POWER is available at the service wiring or terminals.
- Pull the service wiring into the TESLA® Wall Connector.
- Strip wires 3/8” (10 mm)
- Connect wiring to the terminal block. Connect L1 to Black, L2/N to Red, and Ground to one of the two available Ground connectors, as shown.
  **NOTE:** Maximum size of Ground wire is 4 AWG.
- Tighten L1 and L2 screws to 35-50 lb-in, depending on the wire gauge. Tighten Ground screw according to the table:
- For Dual-Mount Installations, be aware that the TESLA® Wall Connector EVSE’s may have different ratings. Extra precaution should be taken to ensure the correct wiring connections per EVSE.

<table>
<thead>
<tr>
<th>Wire Gauge</th>
<th>Torque (in-lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWG CU-AL</td>
<td></td>
</tr>
<tr>
<td>14-10 CU</td>
<td>20</td>
</tr>
<tr>
<td>12-10 Al</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>25</td>
</tr>
<tr>
<td>6-4</td>
<td>35</td>
</tr>
<tr>
<td>Two 14 or 12 CU</td>
<td></td>
</tr>
<tr>
<td>Two 12 or 10 Al</td>
<td>25</td>
</tr>
</tbody>
</table>
6. CONFIRM A SUCCESSFUL INSTALLATION

- Set the dip switches, located in the lower right-hand portion of the connector, to the test setting shown here. Use a pointed object such as a pen.
- While holding the front cover near the TESLA® Wall Connector, re-connect the Ribbon Cable by aligning the cable, as shown.
- Hang the front cover over the hinge located at the top of the connector.
  **NOTE**: Do not secure the front cover yet.
- Turn on the Power
- Hold the “RESET” button for five seconds. This button is located on the lower right side of the TESLA® Wall Connector.
- You should now hear the contacts close and see the lights sequentially illuminate green.
- If the RED error light illuminates or flashes, refer to the troubleshooting table in the TESLA® Wall Connector Installation Guide.
- If the RED error light is not illuminated or flashing, continue with the next two steps.
- For Dual-Mount Installations, repeat on the opposite side.
7. SET OPERATING CURRENT

- Turn off the power.
  **WARNING:** RISK OF ELECTRIC SHOCK! Before continuing, use a volt meter to confirm that NO POWER is available at the service wiring or terminals.
- Open the front cover and hold it with one hand while completing the next step.
  **CAUTION:** Do not release the front cover or allow it to hang from the ribbon cable. Doing so can damage the ribbon cable’s connectors.
- Adjust the dip switches to set the operating current based on the type of breaker being used. Use a pointed non-conductive object such as a plastic pen.
  **NOTE:** Power MUST be turned off before setting or changing DIP switches. If you set DIP switches with the power on, not only is it dangerous, because of the risk of electric shock (see warning above), but the changes are not recognized.
- Extra precaution should be used for Dual-Mount Installations. EVSE’s may look the same on the surface but have different ratings. Set operating currents accordingly.
8. RE-INSTALL THE PEDESTAL POST CAP
   • The pedestal cap is provided to cover the opening to protect the conductors and inner pedestal from the elements.
   • For either Single or Dual-Mounted TESLA® Wall Connector pedestals, use the pedestal cap provided that has flanges on both sides.
   • For Combo HCS and TESLA® configurations, use the pedestal cap provided with the flange on the TESLA® side of the pedestal.

9. INSTALL THE COVER PLATE
   • The cover plate is provided to cover the electrical access hole for Single-Mount Pedestals only. Skip this step if you are installing a Dual-Mount.
   • Secure the cover plate to the Single-Mount Pedestal using two (2) 1/4-20 x 3/4” Torx flat-head tapered screws using a T27 Torx driver until the screw head is flush with the surface of the mounting plate.

10. SECURE COVER AND POWER UP
    • Reposition the front cover over the unit, aligning the five tabs on the back of the front cover with their corresponding slots. Starting at the bottom and working upwards, press firmly on both sides of the front cover until it clicks into place.
    • Using a T20 torx driver, re-attach the two security screws that you removed in STEP THREE.
    • Turn on the Power.

YOU HAVE NOW FINISHED INSTALLING THE TESLA® WALL CONNECTOR ONTO THE PEDESTAL MOUNTING SYSTEM. REFER TO THE TESLA® WALL CONNECTOR INSTALLATION GUIDE FOR TROUBLE-SHOOTING AND ADDITIONAL INFORMATION.
CLIPPERCREEK HCS INSTALLATION REQUIRES THESE STEPS

THESE STEPS ARE TO BE COMPLETED AFTER THE MAIN PEDESTAL INSTALLATION FOR THE CLIPPERCREEK HCS CONFIGURATIONS ONLY. REPEAT EACH STEP FOR DUAL-MOUNTED CONFIGURATIONS ON THE OPPOSITE SIDE OF THE PEDESTAL:

1. INSTALL THE CONDUIT ASSEMBLY
   - Knock-out the 1½” plastic plug located 10” down from the top of the pedestal on the left side.
   - Connect the following to the Pedestal Post in the order:
     a) The Standard 90 degree 1/2” NPT Fitting
     b) The ½” liquid tight sealing washer
     c) The open pedestal hole
     d) The first locknut from the NPT Fitting (inside of the pedestal)
   - Tighten so that the bottom opening of the NPT Fitting is facing downward.
   - For Dual-Mount Installations, repeat on the opposite side.

2. INSTALL THE WALL CONNECTOR MOUNTING PLATE
   A mounting plate is affixed to the front of the pedestal post to provide a flat and rigid base on which the ClipperCreek HCS can be mounted. In the case of a Dual-Mount Installation, a second mounting plate is affixed to the opposite side of the pedestal post.
   - Hold the mounting plate against the front side of the pedestal post as shown.
   - Align the center screw hole of the mounting plate with the corresponding top threaded insert on the front of the pedestal post.
   - Secure the mounting plate to the pedestal with one (1) 1/4-20 x 3/4” Torx flat-head tapered screw using a T27 Torx driver. Tighten until the head of the screw is flush with the surface of the mounting plate.
   - For Dual-Mount Installations, repeat on the opposite side.
3. MOUNTING A SINGLE CHARGING STATION TO THE PEDESTAL

With the mounting plate in place, the pedestal is now ready for a single charging station to be mounted.

- Place a 1/4” Neoprene-bonded sealing washer around the shaft of each of the two (2) 1/4-20 x 2” Torx buttonhead screws. The metal portion of the washer should face the head of the screw while the neoprene should face the tip of the screw.
- There are two different styles of HCS plastic angle washers. The correct style to use with the HCS Pedestal is the Perpendicular Screw Mount. These washers are included with the HCS Charging Station and do not accompany this kit.
- Align the two screw holes on the top and bottom of the charging station with the corresponding threaded inserts on the mounting plate.
- Use a T27 Torx driver to secure the top of the charging station first using one (1) 1/4-20 x 2” Torx button-head screws with neoprene washer and HCS Plastic Angle Washer as shown below. Do not over-tighten.
- Secure the bottom of the charging station using one (1) 1/4-20 x 2” Torx button-head screws with neoprene washer and HCS Plastic Angle Washer.
- For an installation with two charging stations affixed to the same post, repeat the previous steps for the opposite side.

4. CONNECT THE WIRING

The HCS has a flexible conduit extension with three conductors. These conductors must be routed through the side of the pedestal and the ninety-degree ½” NPT for connection.

- Trim the EVSE conduit to length. The recommended length to remain is 12 inches as measured from the bottom of the EVSE.
- Route the three conductors that come through the EVSE’s flexible conduit through the NPT connection and into the Pedestal Post.
- No disassembly of the NPT Fitting is required. Push the conduit onto the NPT Fitting ferrule and then tighten the domed sealing nut on the NPT fitting.
- For Dual-Mount Installations, repeat on the opposite side.
- All conductor and ground lug connections inside the Pedestal Post must be completed at this time. The top access hole will be blocked after this step.

5. RE-INSTALL THE PEDESTAL POST CAP

The pedestal cap is provided to cover the opening to protect the conductors and inner pedestal from the elements. Install the appropriate pedestal cap for a single-mount or dual-mount charging station installation as described below.

FOR SINGLE-MOUNT INSTALLATIONS:

- Single-mount charging station installations utilize the standard post cap provided in the pedestal kit. This post cap includes a flange on one side. Place the post cap onto the top of the pedestal, with the flange facing the rear.
- Align the screw holes on each side of the post cap with the corresponding threaded inserts on the sides of the pedestal.
- Place a 1/4” Neoprene-bonded sealing washer around the shaft of two (2) 1/4-20 x 1” Torx button-head screws. The metal portion of the washer should face the head of the screw while the neoprene should face the tip of the screw.
- Secure the cap to the pedestal with the two (2) 1/4-20 x 1” Torx button-head screws (with washers) using a T27 Torx driver.
FOR DUAL-MOUNT INSTALLATIONS:
Dual-Mount installations utilize a replacement post cap provided in the Dual-Mount Kit. **This post cap lacks a flange at the rear.**

- Place the post cap onto the top of the pedestal.
- Align the screw hole on each side of the post cap with the corresponding thread insert on the side of the pedestal.
- Place a 1/4” Neoprene-bonded sealing washer around the shaft of two (2) 1/4-20 x 1” Torx button-head screws. The metal portion of the washer should face the head of the screw while the neoprene should face the tip of the screw.
- Secure the cap to the pedestal with the two (2) 1/4-20 x 1” Torx button-head screws (with washers) using a T27 Torx driver.

6. INSTALL THE COVER PLATE
The cover plate is provided to cover the electrical access hole for Single-Mount Pedestals only. Skip this step if you are installing a Dual-Mount.

- Secure the cover plate to the Single-Mount Pedestal using two (2) 1/4-20 x 3/4” Torx flat-head tapered screws using a T27 Torx driver until the screw head is flush with the surface of the mounting plate.

7. INSTALL THE HOLSTER
A holster has been provided with this kit to stow the vehicle connector.

- Place a #8 washer around the shaft of each of the two (2) 8-32 pan head screws.
- Secure the Holster to the Mounting Plate as shown.
- For an installation with two charging stations affixed to the same post, repeat the previous steps for the opposite side.
8. MOUNTING TWO CLIPPERCREEK HCS EVSE’S TO THE PEDESTAL
For an installation with two charging stations affixed to the same post, repeat the previous steps 7 through 11 for the opposite side.

9. WRAP AND STOW THE VEHICLE CONNECTOR

- Loosely wrap the cable around the HCS.
- Stow the Vehicle Connector in the holster. The button does not need to be pressed, simply insert until you hear the click to lock in place.
- Verify the safety of the installation prior to turning on the circuit breaker.
- Refer to the ClipperCreek HCS User’s Guide for further operational and maintenance information.

YOU HAVE NOW FINISHED INSTALLING THE CLIPPERCREEK HCS ONTO THE PEDESTAL MOUNTING SYSTEM. REFER TO THE CLIPPERCREEK HCS INSTALLATION GUIDE FOR TROUBLESHOOTING AND ADDITIONAL INFORMATION.
CUSTOMER SUPPORT

Call your ClipperCreek, Inc. Service Representative at any time, 24 hours a day, at the number below. PLEASE HAVE THE MODEL NUMBER AND SERIAL NUMBER AVAILABLE WHEN YOU CALL. This information is printed on the label. If your call is made after business hours or on weekends, please leave your name, telephone number, the unit serial number, and a brief description of the problem. A Service Representative will call back at the earliest opportunity.

TO CONTACT CLIPPERCREEK, INC. DIRECTLY FOR SERVICE, CALL (530) 887-1674 FROM MONDAY TO FRIDAY BETWEEN 8:00 AM AND 5:00 PM PACIFIC STANDARD TIME.

Visit us at www.clippercreek.net
WARRANTY INFORMATION

LIMITED WARRANTY
ELECTRIC VEHICLE SUPPLY EQUIPMENT AND ACCESSORIES
ClipperCreek, Inc.
11850 Kemper Road, Suite E
Auburn, California 95603
Telephone: 530-887-1674
Email: information@clippercreek.net

ClipperCreek shall provide the following warranty with respect to the products to representative, its sub-representatives and their customers:

Product 3-year parts, 3-year factory labor:
ClipperCreek, Inc. warrants this product to be free from defects in material and workmanship. The warranty period shall commence on the date of installation date (first use). The product installation date must be evidenced and communicated to ClipperCreek by way of the warranty registration card (or its equivalent). The warranty registration card must be filled out completely and accurately, and returned to ClipperCreek within 30 days after installation, and the product installation date shall be within 6 months after the purchase date. If a product installation date is not communicated to ClipperCreek as described above, the product purchase date shall serve as the warranty commencement date.

If this product is defective in materials or workmanship during the warranty period, ClipperCreek will, at its option, repair or replace the product. Repair parts and/or replacement products may be either new or reconditioned at ClipperCreek’s discretion. This limited warranty does not cover service or parts to repair damage due to improper installation or use, including but not limited to improper connections with peripherals, external electrical faults, accident, disaster, misuse, abuse or modifications to the product not approved in writing by ClipperCreek. Any service repair outside the scope of this limited warranty shall be at applicable rates and terms then in effect. This warranty covers factory parts and factory labor only; it does not cover field service or removal and replacement of the product or any other costs.

All other express and implied warranties for this product including the warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Some states do not allow the exclusion of implied warranties or limitations on how long an implied warranty lasts, so the above limitation may not apply to you. If this product is not as warranted above, your sole and exclusive remedy shall be repair or replacement as provided above. In no event will ClipperCreek, any of its authorized sales and service representatives, or its parent company be liable to customer or any third party for any damages in excess of the purchase price of the product. This limitation applies to damages of any kind including any direct or indirect damages, lost profits, lost saving or other special, incidental, exemplary or consequential damages whether for breach of contract, tort or otherwise or whether arising out of the use of or inability to use the product, even if ClipperCreek or an authorized ClipperCreek representative or dealer has been advised of the possibility of such damages or of any claim by any other party. Some states do not allow the exclusion or limitation of incidental damages for some products, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

To obtain warranty service:
Call your nearest authorized Service Representative or ClipperCreek at the above number. You will receive information as to how service for the product will be provided. If you mail or ship the product in for service, you must insure the product, prepay all shipping charges, and properly pack it for shipment in its original shipping container or its equivalent. You are responsible for all loss or damage that may occur in transit. You must provide proof of purchase of the product and the purchase date before any warranty service can be performed.