

FAST CHARGER UPFIT KIT



P/N 2881853

APPLICATION

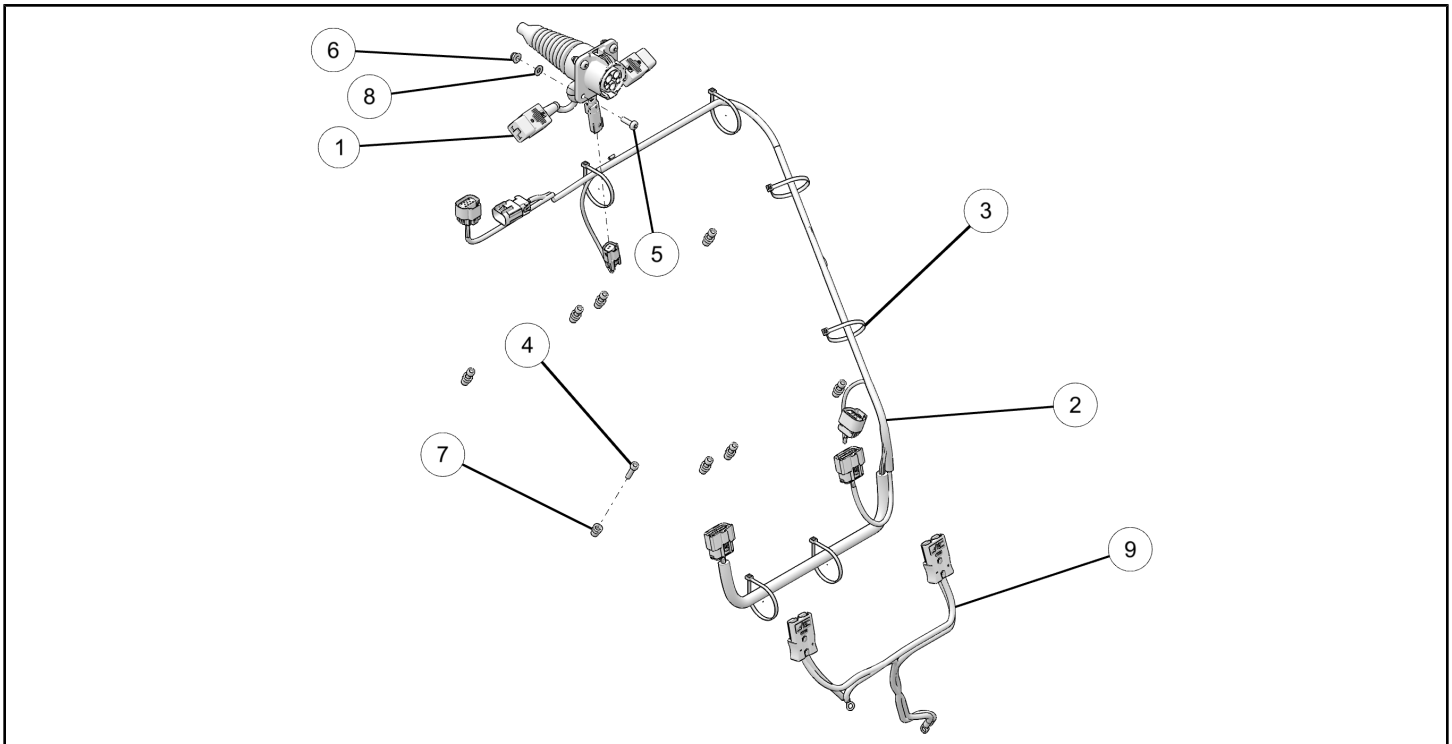
E2, E4, E6, and eL XD

BEFORE YOU BEGIN

Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

KIT CONTENTS

This Kit includes:



REF	QTY	PART DESCRIPTION	PART NUMBER
1	1	Harness Assembly, Charger, J1772	2413215
2	1	Harness Assembly, Charger, Fast	2413708
3	6	Panduit Strap	7080492
4	8	Screw, Socket Head - M6 X 1.0 X 25	7517638
5	4	Screw - M6 X 1.0 X 20	7518546
6	4	Nut, Hex Flange - M6 X 1.0	7547453
7	8	Nut, Rivnut - M6 X 1.0	7547789
8	4	Washer - 0.25 X 0.563 X 0.047	7558203
9	1	Harness Assembly, Charger, Fast	2413709
	1	Instructions	9926970

TOOLS REQUIRED

- Ratchet
- 13mm Socket
- ½" Socket
- 10mm Socket
- 5mm Hex Socket
- Hammer

- Steel Punch
- Rivnut Gun
- Side Cutter
- T30 Torx® Socket
- 10mm Wrench

IMPORTANT

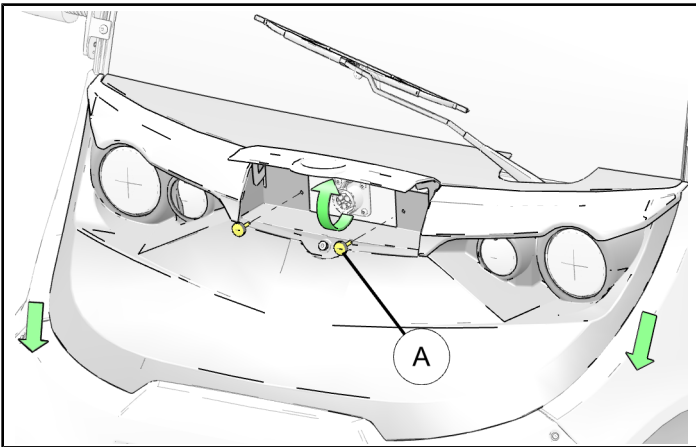
Your FAST CHARGER UPFIT KIT is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown.

ASSEMBLY TIME

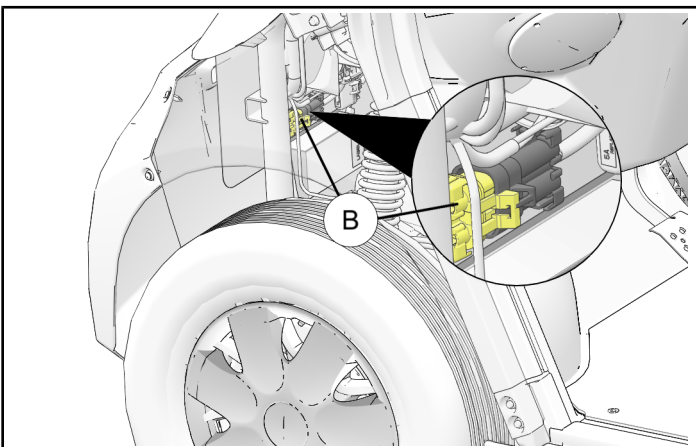
Approximately 45 minutes

INSTALLATION INSTRUCTIONS

1. Place vehicle in "PARK". Turn key to "OFF" position and remove from vehicle.
2. Flip open charge port door and remove two thumb screws (A). Pull the hood in direction of arrow (parallel to ground) and remove from vehicle.



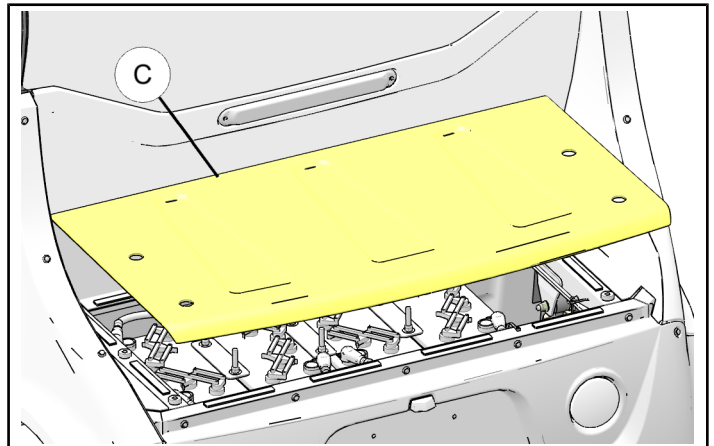
3. Disconnect the front vehicle main connector (B).



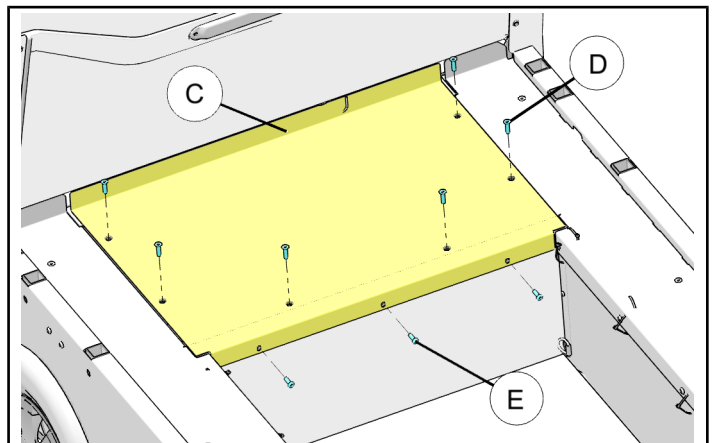
4. Battery access cover removal.
 - a. **For E2, E4, and E6:** Remove rear battery access cover (C).

NOTE

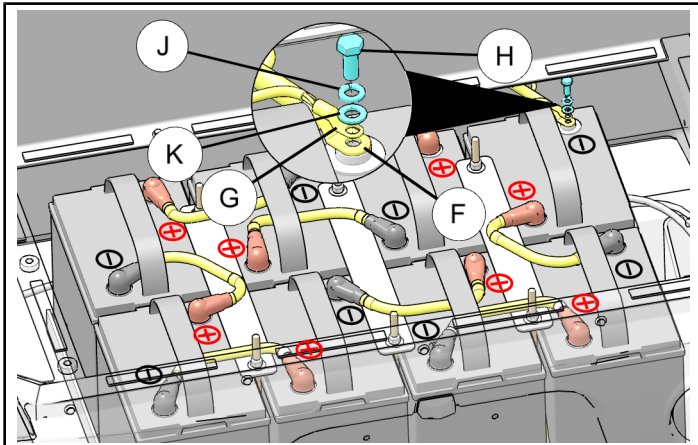
Battery access cover is attached with Velcro to the rear aluminum frame.



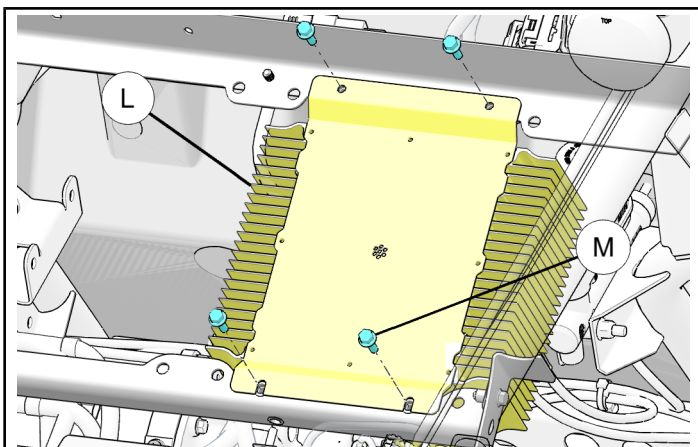
- b. **For eL XD:** Remove six socket head screws (D) and three screws (E) using 5mm socket and ratchet to remove rear battery access cover (C).



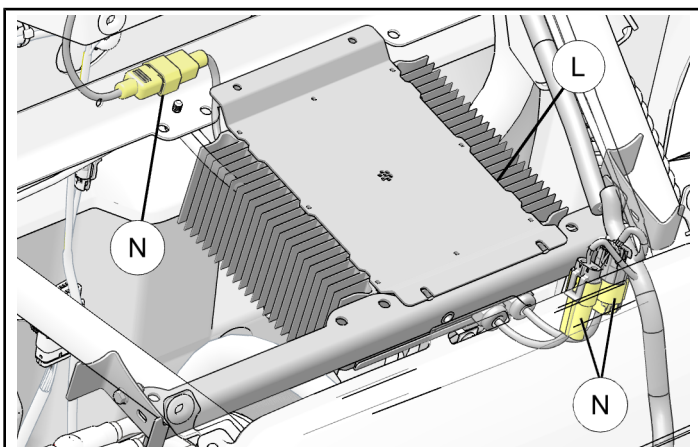
- Disconnect battery pack in the rear of the vehicle. Disconnect the most negative terminal (F) (this will be always most forward and RH negative terminal of your battery pack) and temperature sensor (G) by removing screw (H) and washers (J) (K). Use 13mm socket and ratchet for hardware removal.



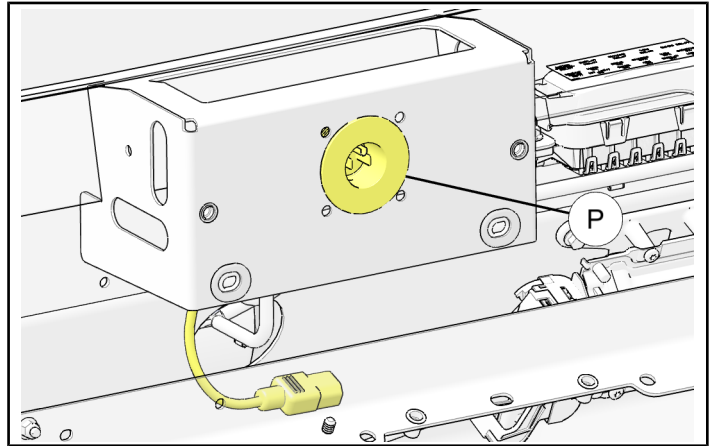
- Remove standard charger (L) by removing four bolts (M) using 10mm socket and ratchet.



- Unplug three standard charger connectors (N) and remove the standard charger (L).

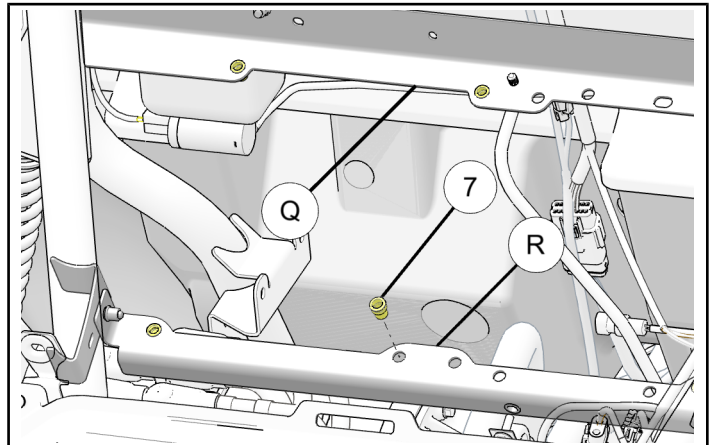


- Remove stock charger port (P). Use punch and hammer to loosen the nut on back side of aluminum mounting plate.

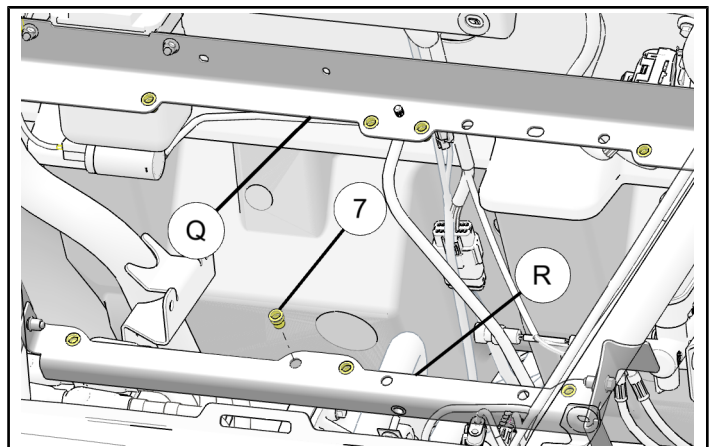


- Using rivnut gun, install rivnuts (7) into the front frame (Q) and charger bracket (R) holes to accommodate new fast chargers.

3KW



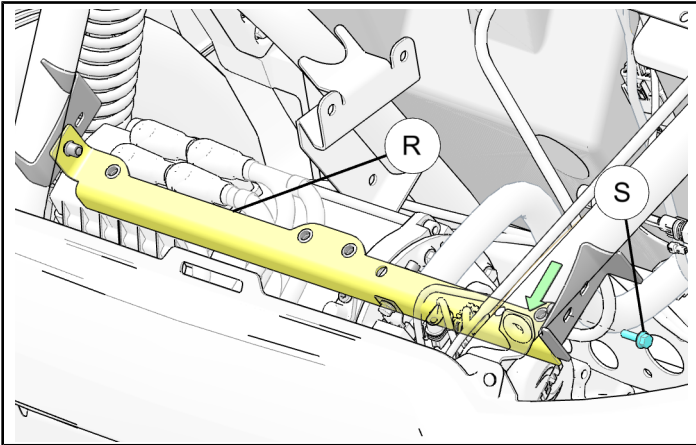
6KW



10. Remove charger bracket mounting screw (S) from upper hole on both sides and move charger bracket (R) to lower position (lower hole) to accommodate new charger. Loosely install the bracket in new position using retained screws (S). Use 10mm socket and ratchet for installation. Torque screws (S) to specifications.

TORQUE

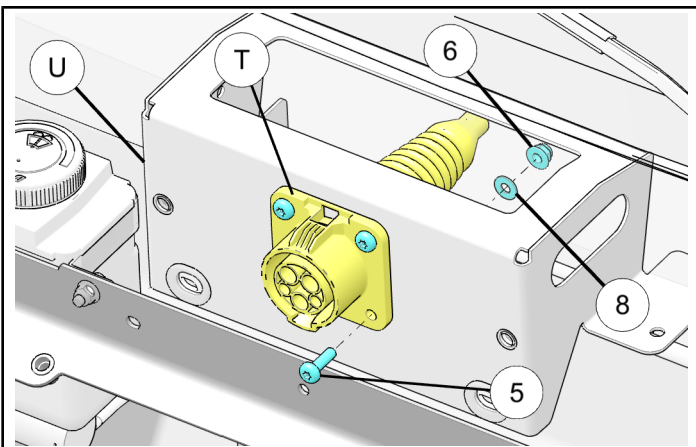
8 lb-ft (10.8 Nm)



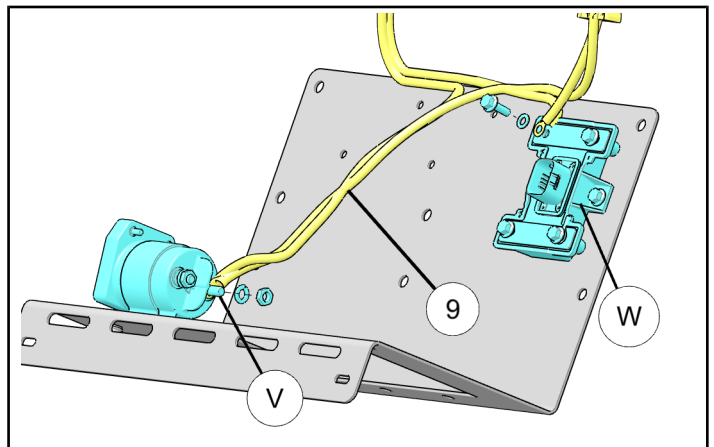
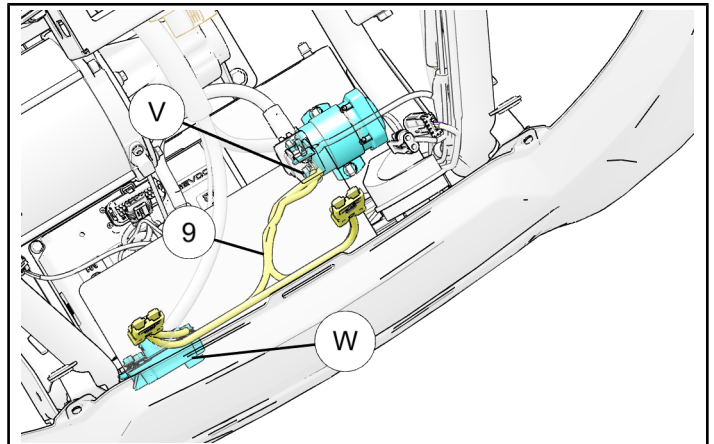
11. Install fast charger port (T) into port bracket (U) using screws (5), washers (8), and nuts (6). Use T30 Torx® socket and ratchet and 10mm wrench for hardware installation. Torque nuts (6) to specifications.

TORQUE

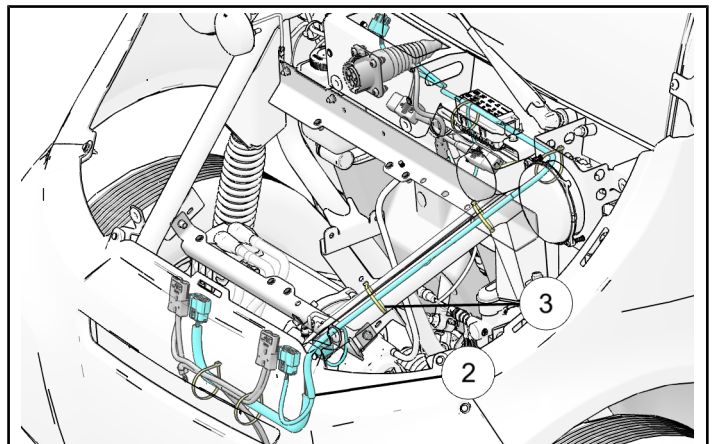
8 lb-ft (10.8 Nm)



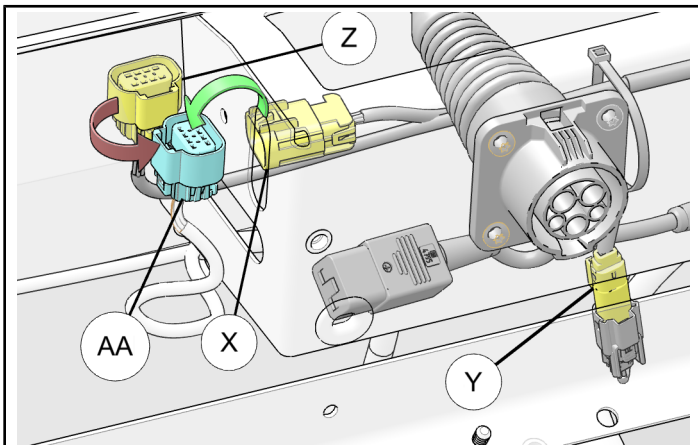
12. Install fast charger harness (9) to "V-" on the BMC (W) using 10mm socket and ratchet and the output (V) (forward most terminal of vehicle) using 1/2" socket and ratchet as shown.



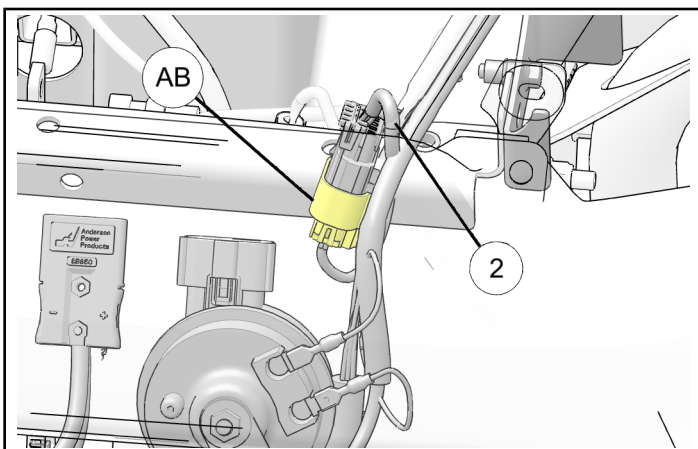
13. Route harness (2) and attach to common front harness and front frame with zip ties (3) as shown below. Use side cutter to cut the zip ties.



14. Install harness connector (X) into the diagnostic port (AA) and replace the diagnostic port (AA) with the one from the fast charger harness port (Z). Then plug the fast charger harness into the fast charger port harness (Y).

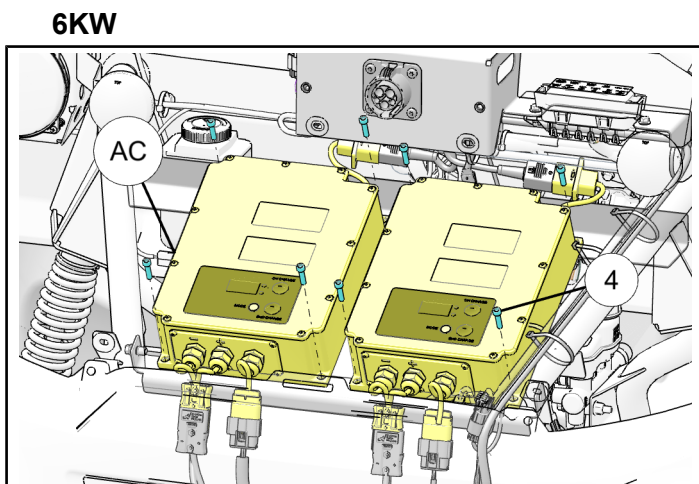
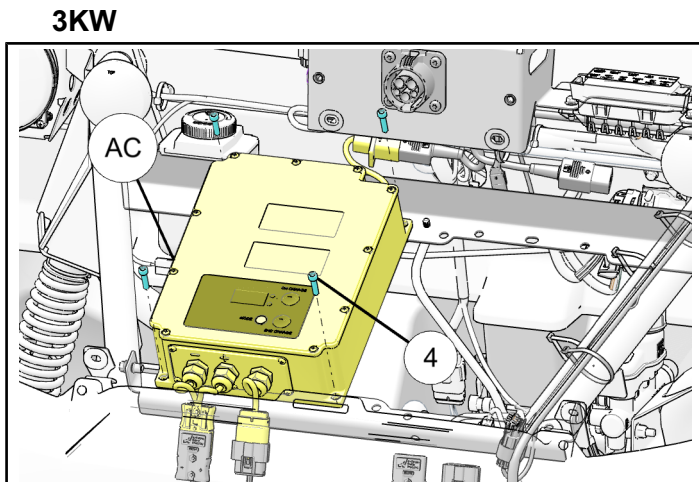


15. Install fast charger harness ② to main front harness connector (AB).



16. Install fast charger (AC) using screws ④ and connect the connectors as shown. Use 5mm hex socket and ratchet for hardware installation. **“CHARGER SOLD SEPARATELY (PN 4015434).”** Torque screws to specification.

TORQUE
8 lb-ft (10.8 Nm)



17. Reconnect the main vehicle disconnect (B) and battery pack most negative terminal (F) and temperature sensor (G). Reinstall the battery cover panel (C) and hood with thumb screws (A).