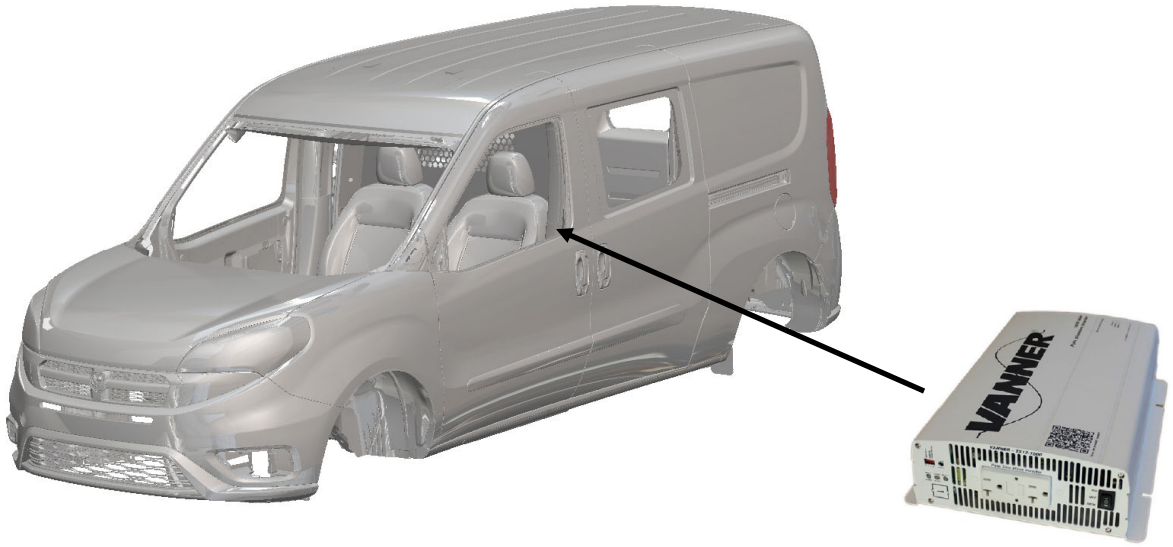
Introduction / Comments:

Note:

Read all instructions prior to installation. Review the Adrian Steel **GENERAL PRECAUTIONS PAGES (56638**) before attempting installation. Only personnel familiar with using electrical best practices should perform this install. Reference **ELECTRICAL BEST PRACTICES MANUAL (54479)** before attempting installation.



62782
Promaster City Inverter Installation Instructions

700W Kit BOM (62502)

Seq#	Component	Description	Qty
2	FAS0018	SCREW,HFLNG 1/4-20X.62 ZP	4
8	FAS0025	SCREW,THP 10-24X.50 ZP	2
9	FAS0029	NUT,HEX NLK 10-24 ZP	2
3	FAS0055	NUT,HEX NLK FLG 1/4-20 ZP	4
4	FAS0148	SCREW,FHP TEK 10-24X.5 ZN	1
10	FAS0641	SCREW,HH TEK 1/4-20X.7 ZP	2
7	44918-B	BRKT, FUSE HLDR, F150	1
5	56904	INV TS12-700	1
1	62782	INS INV ALL INVS RAM PC	1
6	62997	KIT CBL,0.7KW PC	1

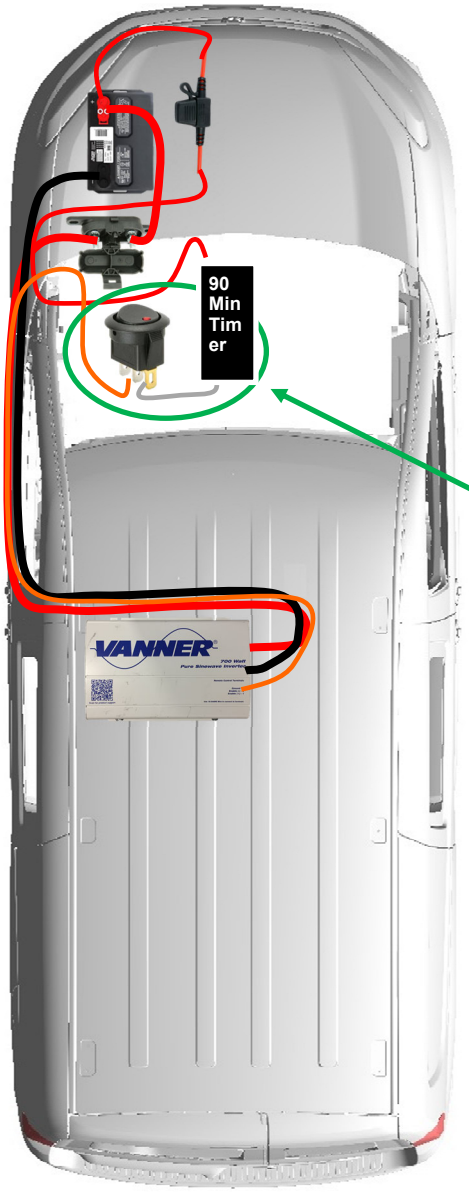
1000W Kit BOM (62503)

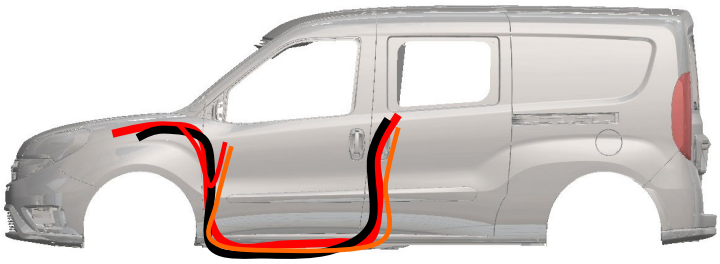
Seq#	Component	Description	Qty
5	FAS0018	SCREW,HFLNG 1/4-20X.62 ZP	4
7	FAS0025	SCREW,THP 10-24X.50 ZP	2
8	FAS0029	NUT,HEX NLK 10-24 ZP	2
4	FAS0055	NUT,HEX NLK FLG 1/4-20 ZP	4
10	FAS0148	SCREW,FHP TEK 10-24X.5 ZN	1
9	FAS0641	SCREW,HH TEK 1/4-20X.7 ZP	2
6	44918-B	BRKT, FUSE HLDR, F150	1
1	56903	INV TS12-1000	1
3	62782	INS INV ALL INVS RAM PC	1
2	62924	KIT CBL,1.0KW PC	1

1500W Kit BOM (62504)

Seq#	Component	Description	Qty
5	FAS0018	SCREW,HFLNG 1/4-20X.62 ZP	4
10	FAS0025	SCREW,THP 10-24X.50 ZP	6
11	FAS0029	NUT,HEX NLK 10-24 ZP	6
6	FAS0048	SCREW,BHCS 5/16-18X2.0 ZN	4
4	FAS0055	NUT,HEX NLK FLG 1/4-20 ZP	4
7	FAS0091	PLUSNUT,5/16-18 PB DC	4
14	FAS0148	SCREW,FHP TEK 10-24X.5 ZN	1
13	FAS0641	SCREW,HH TEK 1/4-20X.7 ZP	2
8	FAS0833	WASHER,CUP FLANGED 1.5"	4
9	03927-1	SPACER,FLR,1010,11/32 ZP	4
15	38352	BATTERY,AGM 92AH 12 VDC	1
12	44918-B	BRKT, FUSE HLDR, F150	1
1	56906	INV TS12-1500	1
3	62782	INS INV ALL INVS RAM PC	1
2	62999	KIT CBL,1.5KW 1AUX PC	1

Routing Schematic

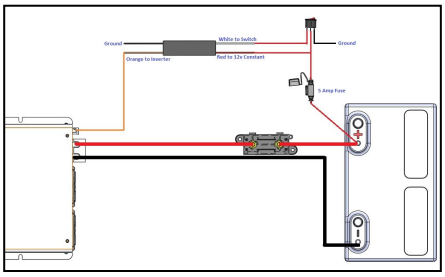




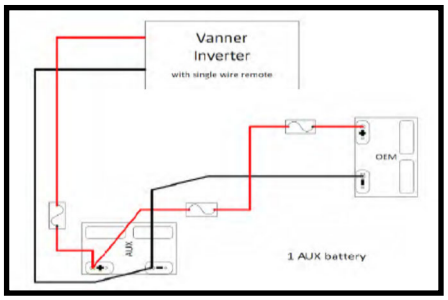
NOTE: This diagram is intended for reference with Single OEM battery configurations.

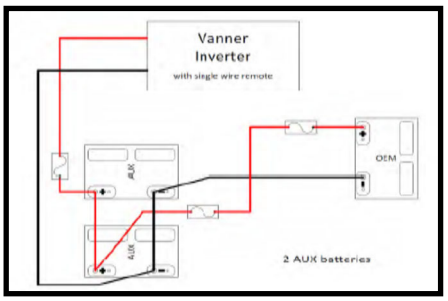
NOTE: The placement of the components in this diagram is approximate and is intended to convey overall system arrangement ONLY.

NOTE: 90 minute timer configuration:

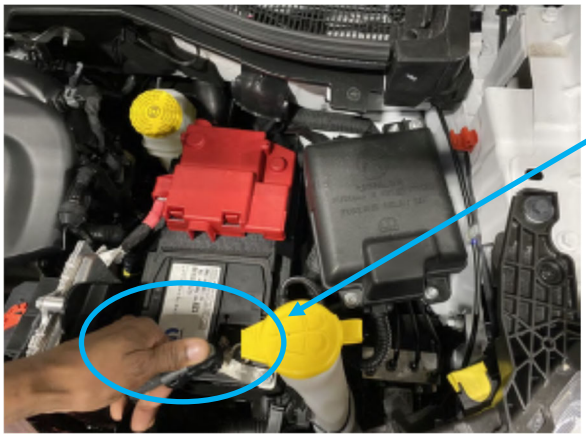


NOTE: Optional AUX battery configuration:





Step 1. Disconnect negative battery cable.



Remove negative battery cable from the batter post an stow out of the way.

Step 2. Install fuse holder

Install fuse holder bracket as shown with FAS0682 Tek Screws.

Step 3. Route cables through firewall

Route all 3 inverter cables through firewall grommet.

Step 4. Remove trim

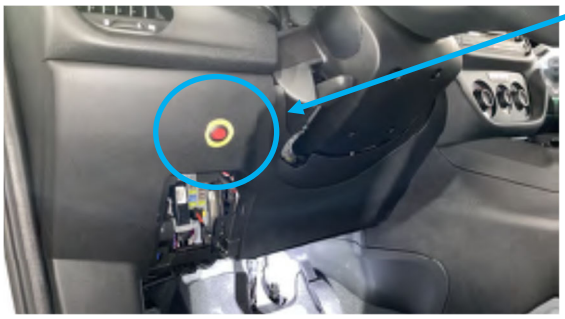
Remove the trim around the hood release handle by using a trim tool and removing the retaining screw underneath.

Step 5. Remove screw in trim panel

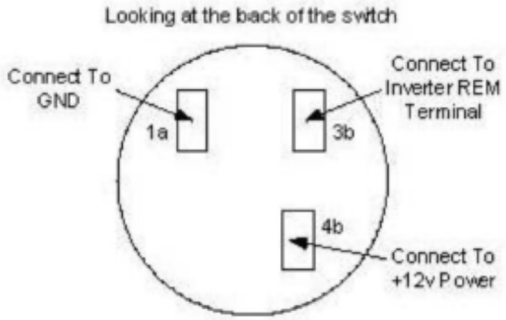
Step 6. Remove sill plate cover

Remove sill plate cover and route wires underneath

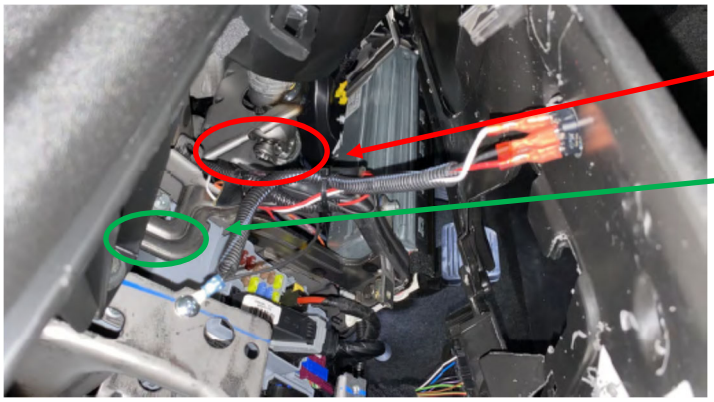
Step 7. Install dash switch



Install dash switch as shown. ~7/8” recommend step bit as shown



Attach the spade connectors as shown.



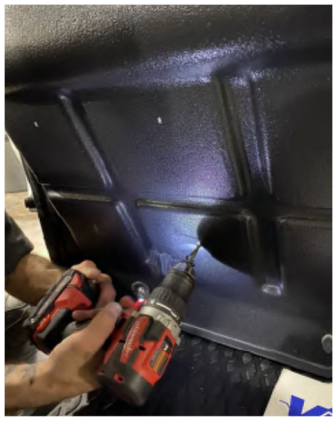
Zip-tie timer to “L” shaped bracket.

Attach the ground to the frame with a Tek screw

Step 8. Cut trim & route towards partition

Route the remote switch cable along with the main cables under the sill plate back towards the partition and re install all trim panels.

Step 9. Drill holes and mount inverter



Mark inverter mounting holes and drill. Place inverter approximately 1.5" x1.5" from the top left corner using FAS0018, FAS0055, FAS0xxx

Step 10. Route wires through the partition

Cut two 2.5” holes in partition for the 2 inverter cables & insert 1.25” grommets. Or cut a 1.25” hole and insert the 1” grommets (If you use this method you will have to cut the loom at the location where it passes through the grommet

Step 11. Connect wires to the inverter

IF POWER STRIP IS INCLUDED:
Cut a 2” Hole in partition & insert the 1.5” grommet. Route Power Strip Cable, remote switch wire & ground wire through this hole.

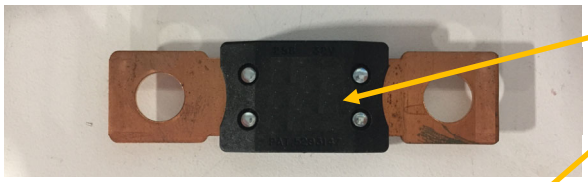
Step 9. Drill holes and mount inverter

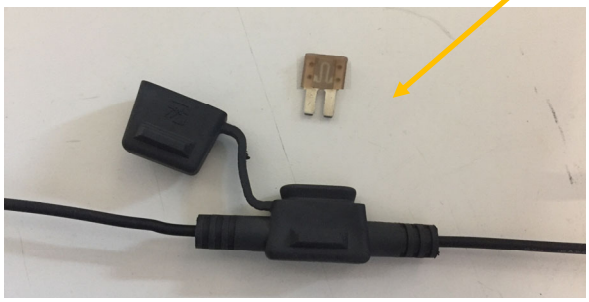
Feed the end of the chassis ground lead Through the partition and attach to a grounding location as shown

Step 10. Route wires through the partition

Reconnect the OEM negative battery cable and tighten to 8Nm

Step 11. Connect wires to the inverter



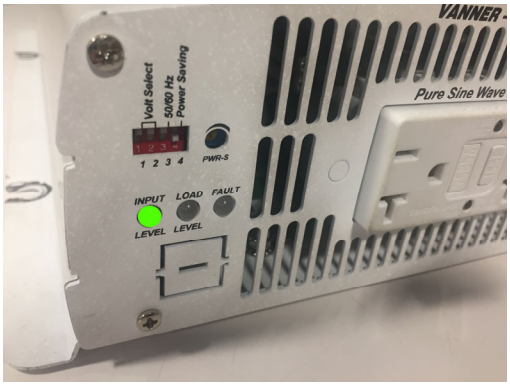


Install all fuses and tighten any nuts to 15Nm.

Step 9. Cleanup

Using the supplied cable ties make sure all wiring is secured and clear of sharp objects, moving parts, and heat sources. Install all trim removed in previous steps
Install battery covers on OEM and AUX batteries (if applicable).
Turn off dash switch for transportation and leave the inverter switch in REM.

Step 10. Test the inverter



Verify Inverter Powers Up
Turn on the switch on the Inverter case to REM (remote).
Turn on switch in the dash.
Start the engine and verify the DC input LED on the inverter turns green.

Step 11. Test the inverter power output

Test the Inverter Output.
Plug in any accessories such as power strips included with the kit.