



SVE BULLETIN

SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE

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QVM Bulletin: Q-226R1

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Revision	Update	Revision Date
Q-226R1	• Added Customer Connection Point kit part number and information	07 November, 2014

Accessing Battery Power on Transit

Models Affected: 2015 Transit – All models

Description: For modifications and equipment installations requiring B+ current loads greater than 30 Amps, the guidelines provided below should be followed.

For Battery Power Less than 60 Amps

- Connect to the 1 x 60A Customer Connection Point (CCP) in the Pre Fuse Box (PFB)
- 1 x 60A MIDI fuse is present on all Transit vehicles (within the PFB in the driver seat pedestal).
- See the Transit Body and Equipment Mounting Manual (BEMM) for information regarding the use of the CCP's.

For B+ Battery Power Greater than 60 Amps

Vehicles with factory installed 3 X 60A Customer Connection Points (available with option 67C-Upfitter switches)

- Connect to the 3 x 60A Customer Connection Points on the driver seat pedestal.
- The CCP's are capable of providing up to a total of 180A.
- Refer to the BEMM for information regarding the use of CCP's

Vehicles without factory installed 3 X 60A Customer Connection Points.

Upfitters may order a Customer Connection Point kit through Ford dealers. The kit part number is:

BK2Z-14S411-A

This kit provides hardware for two additional 60 Amp CCP terminals, allowing the modifier to upgrade from the standard single 60 Amp CCP to three 60 Amp CCP's, for a total of 180 Amps.

For Battery Power Greater than 180A

Vehicles equipped with dual AGM batteries will have a single empty B+ battery post on the rear or second AGM battery (see figure 1). Upfitters wishing to connect to this terminal must adhere to the following guidelines:

- Use only a W520101-S437 nut to secure the aftermarket eyelet (M6 - Electrolytic zinc plate, trivalent chromate, and clear sealer, with integral torque control lubricant). **No other nut or finish may be used.**
- The additional cable eyelet must have a complete flush contact to the terminal and be fully secured.
- The nut must be torqued to **8Nm [+/- 1.2Nm]**.
- The additional battery connection must be protected with an appropriately sized fuse.

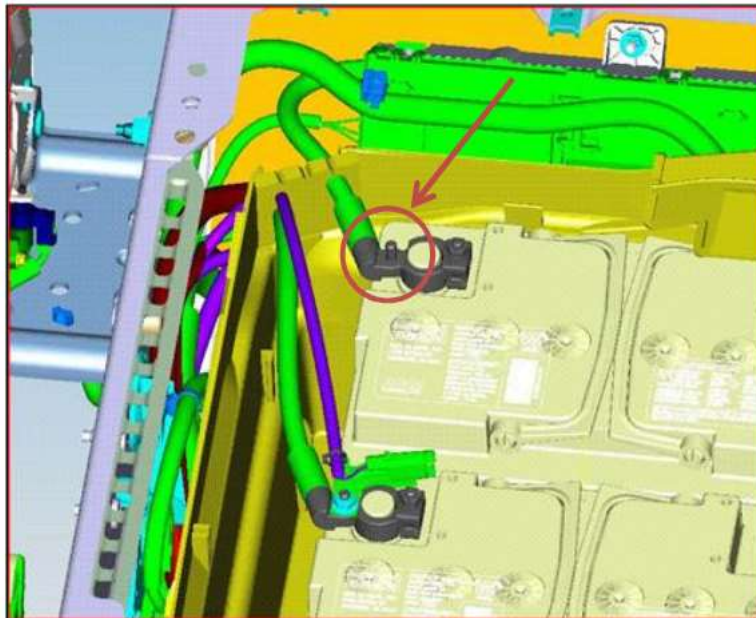


Fig. 1: Location of empty B+ battery post

Note: Single Battery variants

The B+ post on the single battery cable terminal can only accommodate a single terminal connection. On single battery variants, the post is fully occupied by the alternator sense circuit, and cannot support an additional aftermarket terminal connection. **Any additional terminal connection to the single post may cause the charging system to malfunction or fail.**

Upfitters connecting to the single battery must provide an additional post for their connection. All connection recommendations for the dual battery configuration shown above must be followed, and the additional connection and battery terminal must be protected with an appropriate battery terminal cover.

If you have any questions, please contact the Ford Truck Body Builders Advisory Service as shown in the header of this bulletin.