



TECH TIPS

Dixie Part Numbers: S-80074 S-80339 S-80342
S-80388 S-80396

Applications: 2006 Dodge Ram 1500 (all models including Flex Fuel)
2006 Dodge Ram 2500 (all models)
2006 Dodge Ram 3500 (all models)

Condition: The operator of the vehicle may complain of one or more of the following conditions when using the vehicle to tow a trailer:

- The trailer lights have stopped functioning.
- The starter has stopped functioning (will not crank).

The technician may find one or more of the following codes stored in the system:

B166B, B166C, B166E, B166F, B178C, B1667, B1670, B2215 or P1277.

Cause: The system is designed to protect itself and codes B166_ and B178C are related to errors in the trailer wiring (short circuits to ground or short circuits to battery). Code B2215 is a counter that will activate once any device has been faulted 250 times or more **and** one of the output devices has been disabled. Code P1277 will occur when the starter solenoid current exceeds 75A. The system will try to send a signal up to 250 times to a given device and if the amperage limits are exceeded it will count the error. Once 250 errors are counted the system will protect itself and disable the device.

Correction: Repair any wiring that is shorting to ground and update the system flash files in the memory following the manufacturer's recommended procedures. The starter motor switch current has been increased from 75A to 100A as this is within normal operating parameters on many applications.