



TECH TIPS

Dixie Part Numbers: 085-211-200
3509-18211

109-18204
A-9324

109-18206
A-9330

Applications: Various bus/coach applications with batteryless charging systems

Conditions: The installer may not be clear as to how to connect the alternator to the air conditioning system.

Cause: There have been changes to the OE design and wiring connections used on the air conditioning systems which included changing the number of terminals and leads on the alternator.

Correction: Below is a typical wiring configuration for the batteryless alternator.

Notes:

- 1) The air conditioning switch must be open when the air conditioner is off and closed when the air conditioner is turned on. This is critical to ensure that the batteryless system does not create quiescent draw and deplete the system battery.
- 2) One of the coloured leads is required, depending on the system voltage requirements. For 20V the yellow sense lead is to be connected, for systems from 22-28V the purple sense lead is to be used.
- 3) Chassis is ground.

