

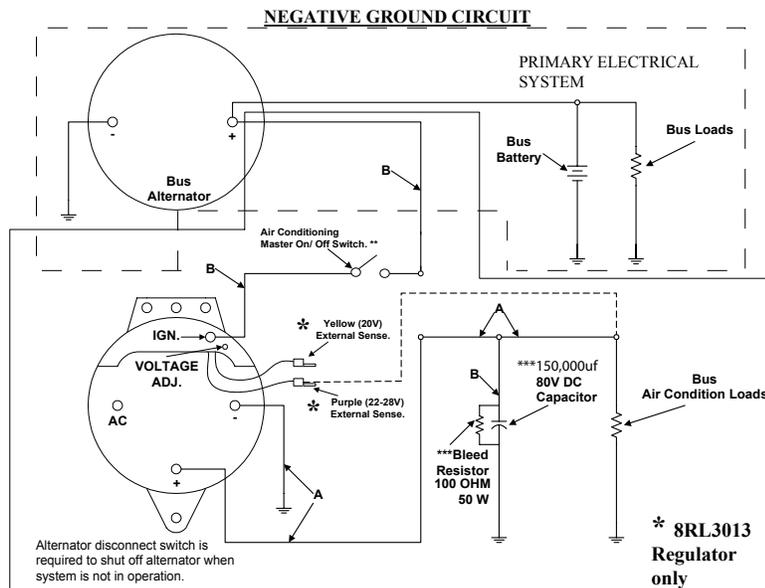
Source: Leece-Neville Heavy Duty Systems Division - Arcade, NY USA
 Date: July 7, 2017
 Bulletin No: TSB-1031
 Models: 8SC Series Batteryless Alternators
 Subject: Batteryless Alternator System

One of the Batteryless alternator's uses is to power a bus air conditioning system. The alternator gets its field current from the vehicle primary electrical sytem. No batteries are needed in this circuit. It is recommended to operate it at 3500 RPM minimum.

Because this alternator was designed for the batteryless sytem, Leece-Neville technical services recommends **NOT** connecting it to a battery. Connecting two alternators together is **NOT** recommended, due to the difficulty of the two alternators to share the load.

For further information regarding this system, or for information on other recommendations, please contact the technical service representative in your area or call our technical service call center at the number listed below. Other technical bulletins, as well as a technical region map, are available on our website at www.prestolite.com.

GENERIC WIRING DIAGRAM FOR BATTERYLESS SYSTEMS



Alternator disconnect switch is required to shut off alternator when system is not in operation.

** Switch must be open when AC unit is turned off and closed when AC unit is turned on.

*** Values are a general recommendation. Actual values can depend on the application. To determine these values please consult with your Leece Neville technical representative.

RECOMMENDED MIN. WIRE SIZES

SYSTEM RATING	TOTAL LENGTH OF CHARGING CIRCUIT	A	B
65 A	12 FEET OR LESS	#8	#16
	12-20 FEET	#6	#14
85A	15 FEET OR LESS	#6	#16
	15-20 FEET	#4	#14
105A	12 FEET OR LESS	#6	#16
	12-20 FEET	#4	#14
130A	15 FEET OR LESS	#4	#16
	15-25 FEET	#2	#14

"For any electric circuit, the performance of these components such as capacitors and resistors are naturally affected, over time, by temperature & environmental changes. You should consult your supplier of these components as to the recommend replacement periods for your particular situation, along with the safe process of removal and disposal."

Important: The information contained in this bulletin is intended for use by trained, professional technicians who have the proper tools, equipment, and training to perform the required maintenance described above. This information is NOT intended for 'do-it-yourselfers'; and you should not assume that this information applies to your equipment. If you have any questions regarding this information please visit our website at www.prestolite.com, or contact our technical service department at: