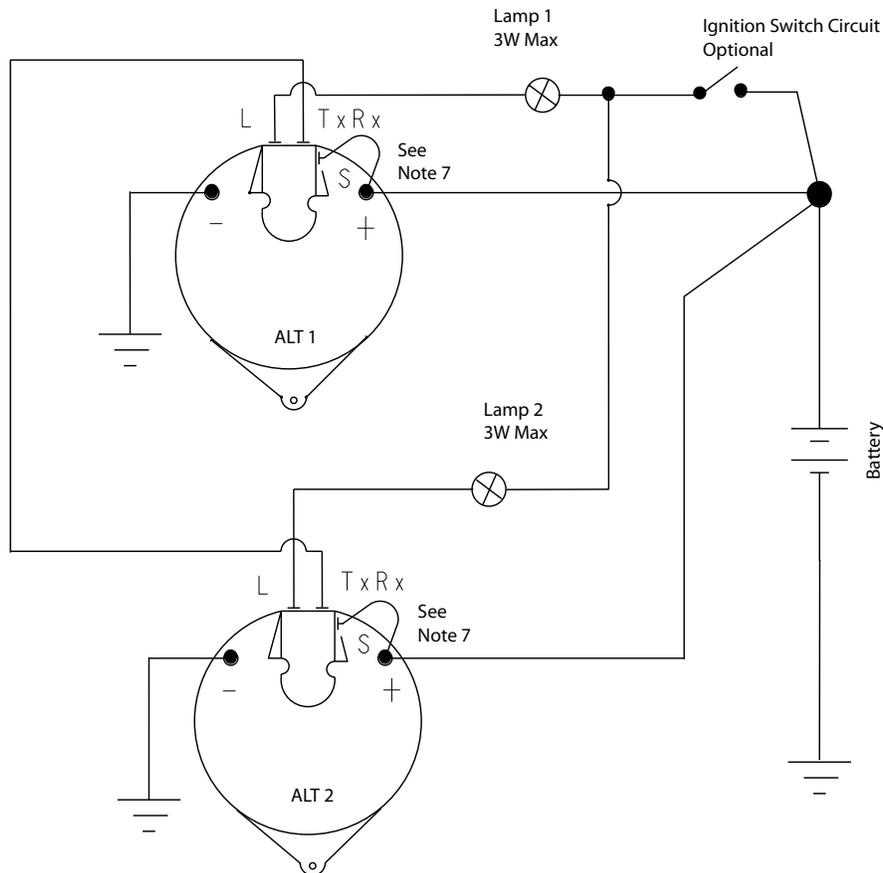


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 Models: BLD2367MP alternator
 Subject: Alternator Wiring Instructions

Diagram 1

Insulated Return Wiring Diagram

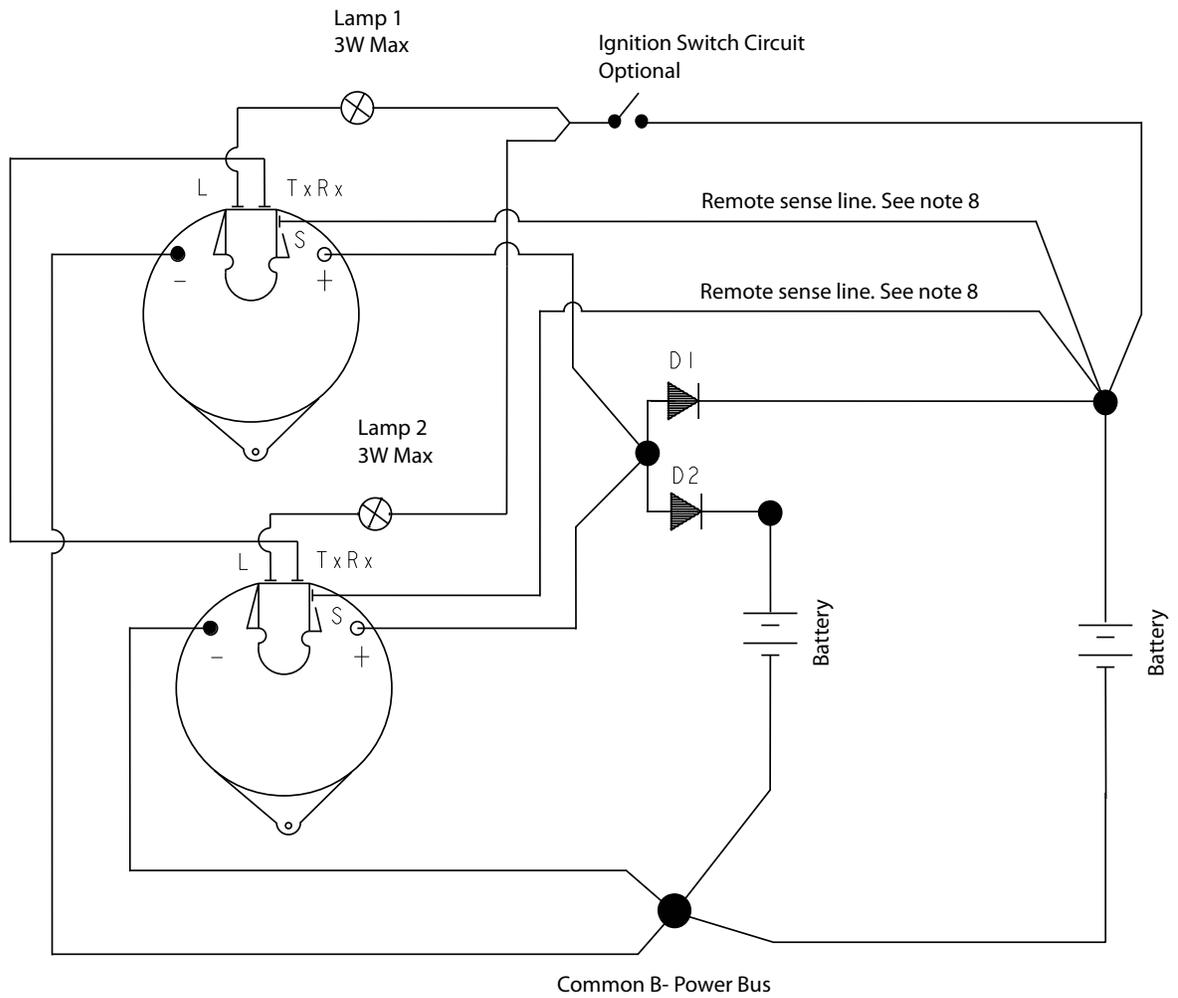


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Diagram 2

W/ Single Battery Isolator and Insulated Return Wiring Diagram

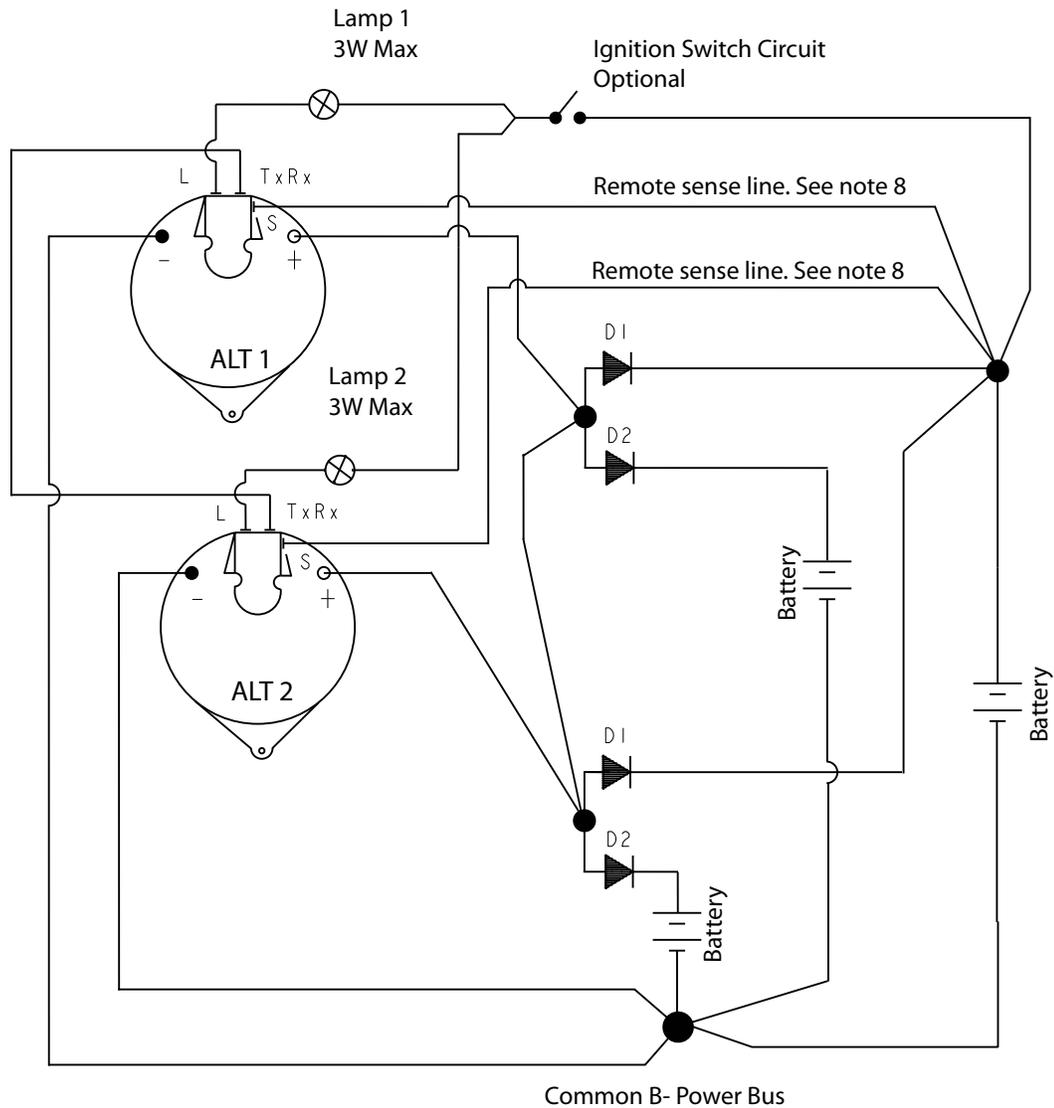


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Diagram 3

W/ Dual Battery Isolators and Insulated Return Wiring Diagram



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Applications Notes:

- 1) Voltage Setting: 14.2V +/- 0.2V at 25C, TC: -5 mV +/- 3mV deg C.
- 2) The alternator can be used as a single unit or on multiple alternators configuration; in case of a standalone unit, the TxRx terminal should be left open.
- 3) Each alternator will contribute to the total load as a function of its individual capacity under its individual prevalent operating condition (Refer to output curves).
- 4) Optimal Load-Sharing results are obtained when all alternators are running at the same speed.
- 5) Alternators are self-excite.
- 6) Wiring to be according to standard recommended practices for maximum output and cable lengths. In order to provide mechanical integrity; "TxRx", "L" and "S" interconnections recommended wire to be 16 AWG. Electrical requirement <37mA for "TxRx", <150mA for "S"
- 7) In diagram 1, Remote Sense Terminal, "S", should be connected to either the alternator B+ terminal or at the positive voltage sense point. In case the "S" terminal is lost the alternator will disable.
- 8) In diagram 2 and 3, all remote sense terminals, "S", should be connected to the battery system that normally runs with the lower current load in case the "S" terminal is lost the alternator will disable.
- 9) The lamp terminal "L", is a high/low side switch configuration. Maximum sink current: 300mA, Maximum source current: 10mA.

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