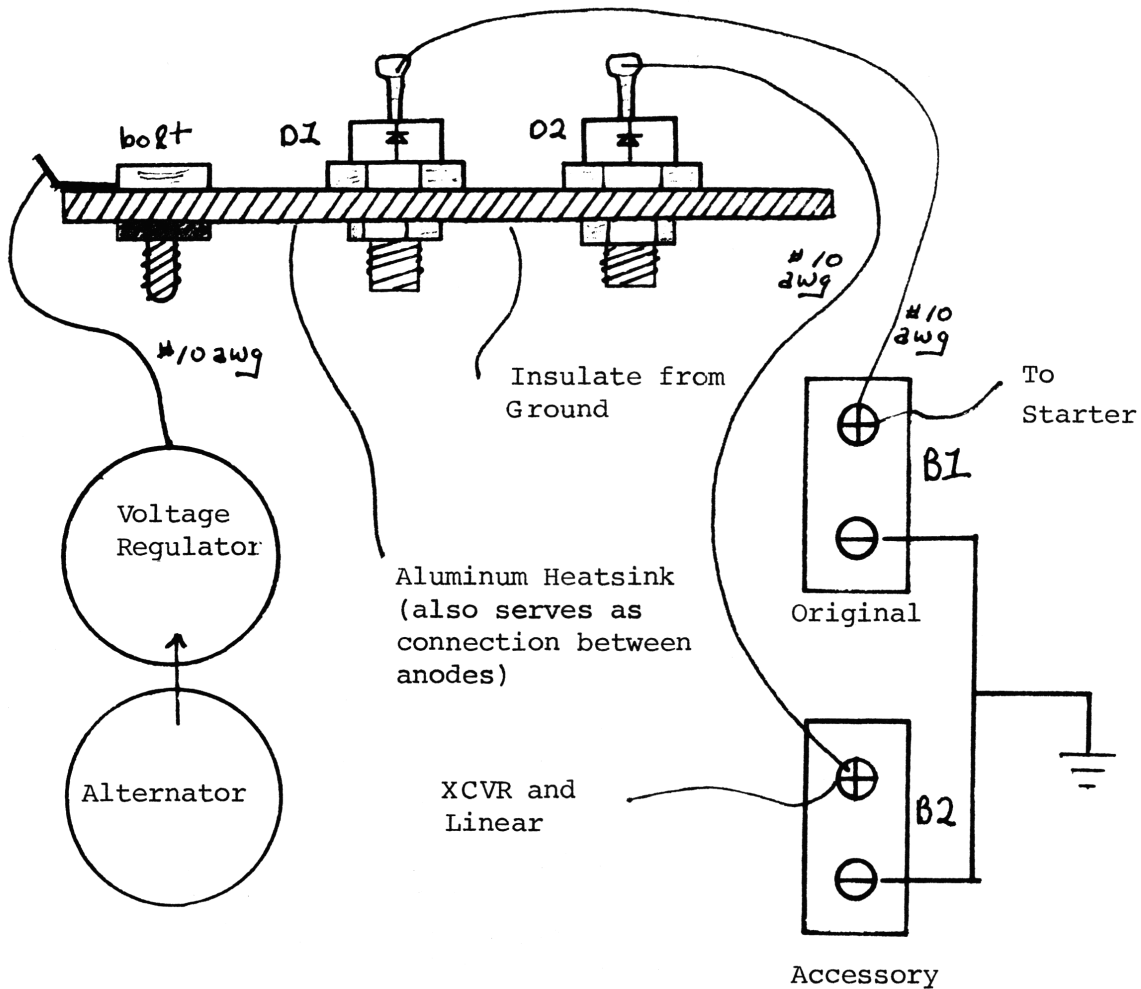


HOW TO ADD A SECOND BATTERY TO YOUR AUTO FOR ACCESSORIES AND LINEARS



D1 and D2 act as one way switches. The action of these two is that of isolating the independent batteries from both discharging. Select high current common ANODE type stud rectifiers- such as those available from Poly-Paks(150 amps, 25PIV).

The diodes should be mounted on a piece of aluminum heatsink and wired with 10 gauge copperwire as shown above. Install them in a box of some sort, to prevent shorting out to ground.

If you use common CATHODE diodes, you will have to isolate the two diodes from each other and connect the anodes together. Use a separate heat sink for each diode in this case.