



Notes

As drawn, this harness will accomplish the following:

- Minimal current through headlight switch
- Near-full voltage at bulb filaments
- All four low beam filaments on when low beams are selected
- Low beam filaments on when high beam filaments are selected, similar to the Brite Box[®] made by Baker Auto Accessories of Steamboat Springs, Colorado.

OEM Sport wiring never uses the low beam filaments of the 9004 (inboard) bulbs. The inboard reflectors are not designed to be used with the low beam filaments of the inboard bulbs. Heat may be a concern. Light may be directed into the eyes of oncoming drivers. To disable inboard low beam filaments, do not install the connectors drawn with dashes.

OEM Sport wiring never uses the low beam filaments with the high beam filaments. To eliminate the low-beam-on-with-high beam feature, eliminate all of the circuit shown in red.

Sockets for 9004 and 9007 bulbs are physically the same but electrically different. The functions of connections A & B are reversed.

Wire Gauges:

- 40 Amp Supply Circuit - 10 gauge
 - 20 Amp Primary Circuits - 12 gauge
 - Control Circuits - 16 gauge
- Use stranded wire. The greater the flexibility the better.

Wiring Harness for Installation of "Sport" Headlamps in Model year 2000-2002 non-Sport Rams