## INSTALLATION INSTRUCTIONS:

# **PART# 7205**

# James Duff Inc. The Bronco Specialists since 1967

865.938.6696 www.jamesduff.com 6609 Bronco Ln. Knoxville. TN 37921

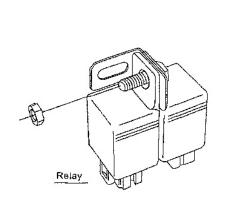
# **H4 Headlight Conversions with Harness Kit**

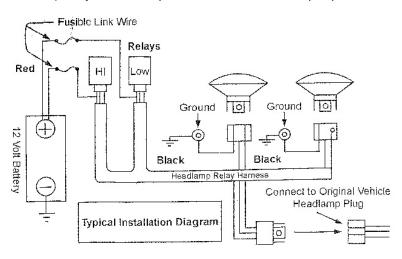
INSTRUCTIONS: Please read completely before beginning installation.

Notes: On most older vehicles, the power to the headlights is routed from the battery through the vehicle wiring harness to the headlight switch, then back out to the headlights. This long route from the battery to the headlights causes a voltage drop and heat buildup, resulting in dim headlights and failure of headlamp switches.

This headlight relay upgrade harness was designed to improve voltage to the headlights by using better, newer, shorter heavy duty wires and relays, directly powered by the battery.

- 1. Disconnect Battery. Tape posts to avoid accidental contact during installation.
- 2. Check the routing of the headlight relay harness. The two large ring terminals must reach the battery and the two relays need to be mounted at a convenient place on the fender well or radiator support. The rest of harness needs to be routed to the headlights.
- 3. The headlight nearest to the relay is connected first. Unplug the original headlight plug and connect it to the mating connector from the new headlight relay harness. Connect the new headlight plug from the relay harness to the headlight bulb. Also ground the ring terminal from the headlight plug to an existing (or new) screw or bolt tightly on a clean metal surface that will make a good negative ground source.
- 4. Connect the opposite headlight to the new relay harness an ground the ring terminal to a good clean ground. <u>The remaining original headlight plug will not be used.</u>
- 5. Mount the relays as shown in drawing below.
- 6. Attach the ring terminals to the positive battery terminal. Note: red wires attached to the ring terminals are actually **fus-ible links**. These fusible lines are a safety feature should the headlight relay harness get damaged by incorrect installation or accident. If the fusible links are "blown" (open circuit), they must be replaced with similar 30 amp replacements.





### LIMITED WARRANTY

James Duff Inc. warrants our products to the original purchaser to be free from defects in materials and workmanship. Warranty periods begin at the date of purchase and varies by product. Shocks have a limited lifetime warranty. Headers, Radiators and Suspension Products have a one year warranty. Power Brake Boosters and Master Cylinders have a three year warranty. Adapters and soft goods such as Canvas tops, upholstery, vinyl and rubber products have a 90 day warranty. All warranties are to the original purchaser with proof of purchase only. Such obligations under this warranty shall be limited to the repair or replacement, at JDI's discretion, of any assembly or part which upon examination by JDI proves to be defective. Any costs of removal, installation, reinstallation or freight charges are expressly excluded from this warranty. This warranty covers only manufacturers defects, and does not cover product finish or damage resulting from abuse, misuse, negligence, racing, alteration, accident or damage in transit.

All returns must be pre-authorized by JDEI and accompanied with a Return Goods Authorization Number (RGA) and a dated proof of purchase. Returns must be made within 90 days of purchase, shipped prepaid, packaged in original cartons to prevent damage in shipment and sent to JDI, 6609 Bronco Ln., Knoxville, TN 37921 Returns without an RGA# will be refused.

This warranty is expressly in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability and fitness for use. This warranty gives you specific legal rights including other rights that vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, or do not allow the exclusion of limitation of incidental or consequential damages, so the above limitations and/or exclusions may not apply to you.