

1972 Corvette: Service News: Headlamp Circuit Diagnosis

Subject: Headlamp Circuit Diagnosis

Model and Year: 1972 Passenger Cars and Trucks

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The following headlamp circuit diagnosis data supplements 1972 Passenger car and truck service information which appears in Section 12 of the 1972 Passenger Car Chassis Service Manual and the 1972 Series 10-30 Truck Chassis Service Manual.

HEADLAMP DIAGNOSIS

| CONDITION | PROBABLE CAUSE | CORRECTION |
|--|--|--|
| One headlamp inoperative or intermittent | Loose connection | Secure connection to sealed beam including ground (black wire) |
| | Defective sealed beam | Replace sealed beam |
| One or more headlamps are dim | Open ground connection | Repair black wire connection between sealed beam and body ground. |
| | Black ground wire mislocated in connector (type 2 sealed beam) | Correct per circuit schematic (see Page 6) |
| Short life — One or more headlamps | Voltage regulator misadjusted | Check and adjust voltage regulator to specifications in Section 15 of the Chassis Service Manual |
| All headlamps inoperative | Loose connection | Check and secure connection at dimmer switch and light switch |
| All headlamps inoperative | Defective dimmer switch | Check voltage at dimmer switch with test lamp. If lamp lights only at light blue wire terminal, replace dimmer switch |
| | Open wiring — light switch to dimmer switch | Check voltage at light blue wire with test lamp. If lamp lights at light switch light blue terminal but not at dimmer switch, repair open wire |

| CONDITION | PROBABLE CAUSE | CORRECTION |
|---|--|---|
| All headlamps inoperative (cont.) | Open wiring — light switch to battery | Check voltage at light switch red wire terminal with test lamp. If lamp does not light, repair open red wire circuit to battery (possible blown fuse) |
| | Defective light switch | Check voltage at light switch red and blue wire terminals with test lamp. If lamp lights at red wire but not at blue wire terminal, replace light switch |
| Upper or lower beam inoperative — All headlamps | Open connection or defective dimmer switch | Check voltage at dimmer switch headlamp terminals with test lamp. If lamp lights at headlamp terminals (light green — upper beam, tan — lower beam), repair open wiring between dimmer switch and headlamps. If test lamp does not light at one of the dimmer switch terminals, replace dimmer switch |

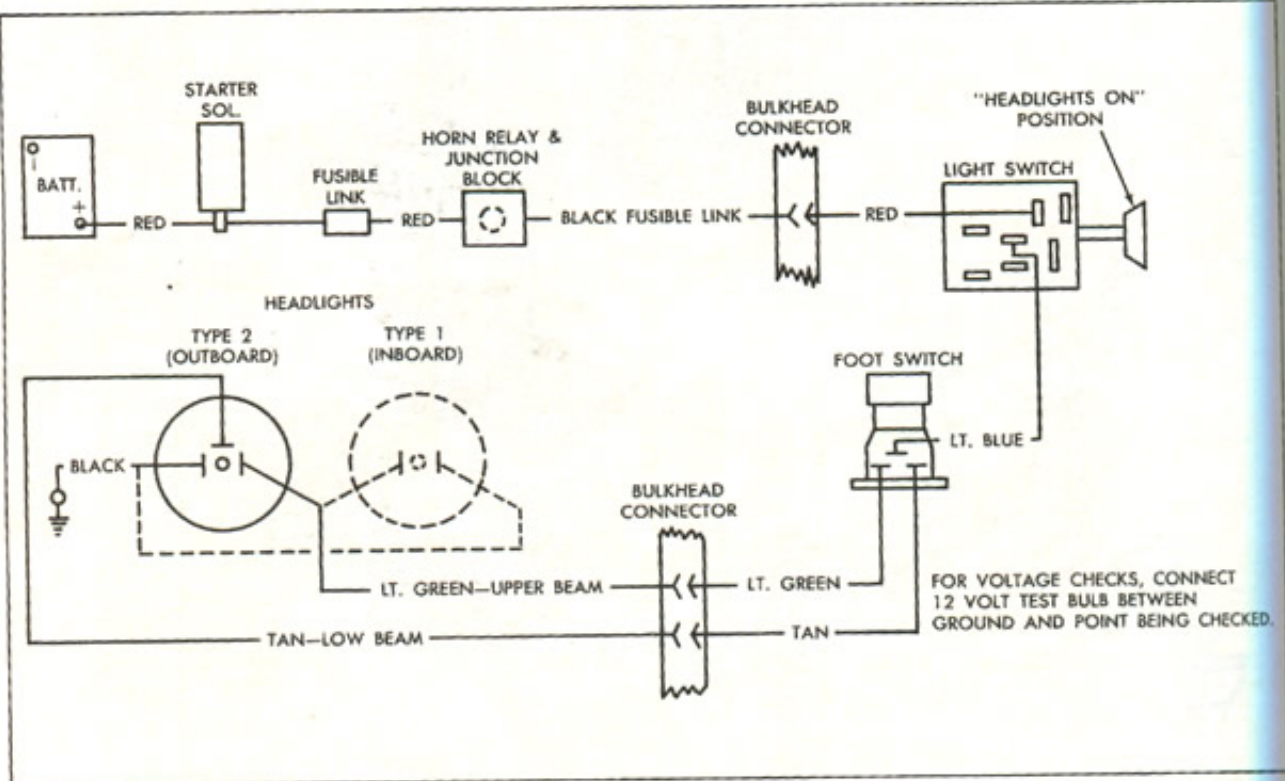


Fig. 6—Headlamp Circuit

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