

1972 Corvette: Service News: Headlamp Circuit Diagnosis

Subject: Headlamp Circuit Diagnosis

Model and Year: 1972 Passenger Cars and Trucks

Source: Chevrolet Service News

Page Number: 5-6

Date: June, 1972

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

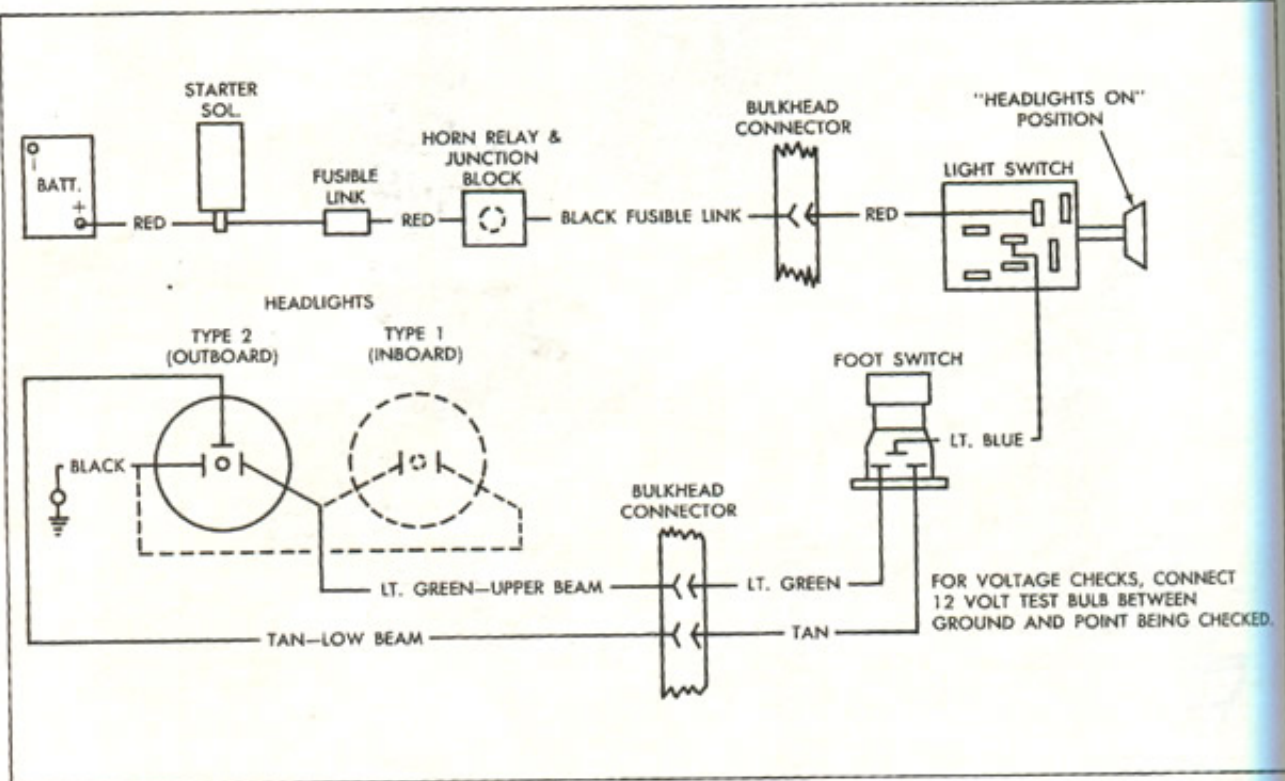


Fig. 6—Headlamp Circuit

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