Where is the low beam switching module set



Overview

The LSZ module is mounted behind the headlight switch to the left side of the steering wheel. There is a single connector on the module for all inputs and outputs.

Key Takeaways

The low beam switching module is typically mounted high under the dashboard, replacing the traditional floor or column-mounted dimmer switch.

Module Placement and Function

The low beam switching module is designed to control power between the high and low beam relays in a vehicle's headlight system. It replaces the conventional dimmer switch and can be installed high up under the dashboard, which helps clear floor space and simplifies wiring access. The module senses whether the headlights are on via the headlight switch power output and switches between high and low beams using separate relays for each circuit.

Wiring and Integration

Power Input: The module typically connects to the 12-volt power input of the headlight switch, which often comes directly from the fuse box. Relay Control: Each push of the module's momentary button switches the relay ground, toggling between high and low beams. When the headlight switch is off, the module resets to the low beam position automatically.

© 2026 BAGYOU FIBRE NETWORKS · All rights reserved

Flash-to-

Pass Function: If the headlight switch is off, holding the momentary button activates the high beam relay temporarily, allowing a “flash-to-pass” feature. Ground Connection: The module requires a secure chassis ground to complete the circuit, ensuring reliable operation.

Installation Considerations

Mount the module under the dash in a location that avoids interference with pedals or other controls. Ensure all wiring is properly fused and connected using insulated terminals or weatherproof connectors to prevent shorts or corrosion. Follow the vehicle-specific wiring diagram to match the module outputs to the low beam and high beam relays correctly.

By mounting the module under the dashboard and connecting it to the headlight switch and relays, the low beam switching module effectively manages headlight operation while providing additional features like flash-to-pass and reducing load on the original dimmer switch.

Article Content

03c_E46 Lighting Systems

The LSZ module is mounted behind the headlight switch to the left side of the steering wheel. There is a single connector on the module for all inputs and outputs.

Momentary Switching Module Installation Instructions

Where the module is used for high and low beam headlight control, the module takes the place of a traditional floor or column mounted dimmer switch and can be mounted high up under the dash to

Headlight Circuit Evolution

Note that there are no fuses, relays or control modules in the circuit, and the high/low-beam switch is located on the floorboard. Also, the headlamps work regardless of ignition switch position.

Car Headlight Wiring Diagram

A switch (generally called a Headlight Switch) is located on the dashboard or steering column which allows the driver to turn the headlights on and off or adjust between low and high beams.

Silverado Headlight Relay Location

© 2026 BAGYOU FIBRE NETWORKS - All rights reserved

The body control module (BCM) monitors three signal circuits from the headlamp switch. When the headlamp switch is in the AUTO position, all three signal circuits are open.

How to Replace a Daytime Running Light Module

Typically, the daytime running light module is located under the dash or in the engine compartment. The exact location can be found in the vehicle repair manual.

Daniel Stern Lighting Consultancy and Supply

Two wires run from the dimmer to the front of the car: one for high beams, one for low. Here''s a schematic of what we have to start with: Those are long lengths of thin wire between the battery and

Vehicle Automatic Headlight Control System – Smart Safety Project

The vehicle automatic high beam low beam control system uses an LDR sensor, comparator IC (LM358), and a relay to switch the headlight beam automatically. The LDR detects incoming vehicle

Light Switch Center (LSZ) — 2007 BMW X3 3.0si (E83) L6-3.0L

The switches for sidelights/low beam, fog lights/rear fog lights as well as the dimmer for headlight beam height control and instrument lighting are integrated in the operating unit.

How to wire DRL''s so they turn off when my lights turn on

A number of products within our range include daytime running lights (DRLs), below is a diagram for customers interested in wiring them up via a relay, to allow them to turn off when the low beam

Symptoms of a Bad or Failing Headlight Switch

2. Issues with the high beams Another symptom of a bad or failing headlight switch is issues operating the high beams and more specifically, issues keeping the high beam engaged. Most

Electronic control units in LED headlamps | HELLA

Structure and function of electronic control units in contemporary vehicles with LED headlamps: Design Audi A6 matrix LED headlamp (1. Power module for daytime running light and direction indicator

Universal Headlight Switch Wiring Diagram

Detailed diagram of a universal headlight switch wiring setup for automotive applications, with clear step-by-step instructions and color-coded guides to assist with installations and troubleshooting.

© 2026 BAGYOU FIBRE NETWORKS - All rights reserved

Momentary Switching Module Installation Instructions

The module uses a separate power relay for each of the two output circuits. Where the module is used for high and low beam headlight control, the module takes the place of a traditional floor or column

Headlight Control Module Failure Signs & Diagnosis

On modern vehicles, the module also manages high-beam and low-beam switching, responds to automatic headlight sensors that detect darkness, and may coordinate daytime running lights if your

Car Lighting Control: High And Low Beams Explained

Learn about the different types of car lighting and how to use them. Understand the difference between high and low beams and when to use each.

How Do You Fix Low Beam Headlights Not Working

Low beam headlights are a crucial component of vehicle safety, providing essential illumination during nighttime driving and poor weather

High Beam Assist

Automatically switches headlights to low beam from high beam and back to reduce driving burden This system automatically switches the headlights setting to low

Contact Us

Continue your research online:

Website: https://bagyou.es
Technical inquiry: https://bagyou.es/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 BAGYOU FIBRE NETWORKS - All rights reserved