

Where is the automatic high low beam switching module



Overview

When you are driving at night, the system automatically switches the headlights between low beam and high beam depending on the situation.

Key Takeaways

The automatic high/low beam switching module is typically integrated into the interior rearview mirror assembly, often paired with a front-facing camera or light recognition sensor.

Module Location and Components

In many modern vehicles, the Automatic High Beam Assist Control Module (e.g., J844 in Volkswagen models) is installed inside the interior rearview mirror and cannot be replaced separately; if it fails, the entire mirror assembly must be replaced. This module works in conjunction with a front-facing camera or light recognition sensor mounted near the top of the windshield to detect oncoming headlights, taillights of vehicles ahead, and ambient light conditions.

How the System Works

The camera or sensor detects vehicles and street lighting while driving at night. The control module processes this information and automatically switches the headlights between high and low beams based on traffic and lighting conditions. The system is activated when the headlight switch is in AUTO mode and the lever is in the low beam position.

Vehicle-

Specific Notes

On Volkswagen vehicles, the module is labeled J844 and works with the Light Recognition Sensor (G399) inside the rearview mirror base. On Honda and Kia vehicles, the system relies primarily on a front view camera mounted on the windshield near the rearview mirror. If the camera or sensor is blocked by dirt, snow, or stickers, the system may default to low beams until the obstruction is cleared.

Maintenance Tips

Keep the windshield area around the camera or sensor clean and free of obstructions. Avoid placing reflective objects on the dashboard that could interfere with the sensor. If the module fails, consult a dealer or service center, as replacement often requires replacing the entire mirror assembly and coding the new module.

In summary, the automatic high/low beam switching module is generally located inside the interior rearview mirror, working together with a front-facing camera or light sensor to manage headlight operation automatically. Proper maintenance of the sensor and mirror area is essential for reliable system performance.

Article Content

Auto High-Beam [Honda Technology](#) [Honda Global](#)

When driving at a speed over around 30 km/h, the system automatically switches to high beam if there are no oncoming vehicles or vehicles in front, or to low beam if it detects vehicles oncoming or in

Auto High-Beam | CR-V 2025 | Honda Owners Manual

When you are driving at night, the system automatically switches the headlights between low beam and high beam depending on the situation. The auto high-beam system does not always operate in every

Auto High-Beam

Automatic switching between high-beam and low-beam When auto high-beam is active, the headlights switch between high beam and low beam based on the following conditions.

Automatic High Beam Control Circuit for Automobiles

This circuit offers a convenient solution for automatic headlight control in your vehicle. It detects the bright lights of oncoming vehicles and adjusts your headlights accordingly, eliminating the

Volkswagen Tiguan Service and Repair Manual: High Beam Assist

The Automatic High Beam Assist Control Module -J844- is installed inside the interior rearview mirror and cannot be replaced separately. If a failure occurs, the entire interior rearview mirror must be

Automatic High Beam Control

Switch the lighting control to the autolamps position to activate. See Autolamps.

Note: Automatic high beams are not available when you do not turn on autolamps.

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If your vehicle has this available feature, at speeds above 25 mph IntelliBeam* can automatically turn the vehicle's high beams on and off according to surrounding traffic conditions.

Automatic High Beam Control

You can switch on the high beams by overriding the system. Note: If the system detects a blockage, for example bird droppings, bug splatter, snow or ice, the system goes into low beam mode until you

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To activate the Automatic High Beam Assistant in your BMW, turn the light switch to switch position 3 (automatic). Then, with the low beams on, tap the turn signal/high beam lever towards the high-beam

How it works: lights that switch themselves on and off

The fourth-generation OCTAVIA model has more automated lights, which are controlled by a "button module". When the vehicle is parked, the lights can be in AUTO, low beam or outline lights mode or

How to Fix an Automatic High Beam Problem

Automatic high beam (AHB) systems, sometimes marketed under proprietary names like IntelliBeam or SmartBeam, are designed to enhance nighttime visibility by automatically switching

Automatic high beam

How this technology works Automatic high beams automatically switch a vehicle's headlights between high and low beams depending on the road's light conditions and oncoming traffic. This technology

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5. When IntelliBeam is active and your low beam headlamps are on, you'll see a green "A" icon or a white AUTO icon appear in the instrument cluster. 6. IntelliBeam detects lighting conditions and other

Bad Headlight Relay Symptoms and FAQ

A relay is basically an electromagnetic switch that uses low current to control a higher current circuit. When low beam activation is requested via the

Automatic, adaptive & matrix car lighting | The AA

Auto high beams - These automatically switch between high and low beam settings depending on if there is oncoming traffic or vehicles in front of you. It maximises visibility without

(PDF) Intelligent Automatic High Beam Light Controller

This paper presents, a simple, low cost and easy to install, design for an intelligent automatic on/off high beam light controller.

Automatic High Beam Assist: How It Works

🚗 Automatic High Beam Assist: How It Works & Why You Need It Night driving can be stressful: low visibility, glare from oncoming traffic, and

Smart Vehicle Lighting

Smart lighting systems automatically switch between high and low beams by detecting oncoming or overtaking vehicles. Aker's frequency components serve as a reference for control signals, ensuring

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

