

The dimmer switch is integral to the headlamp switch and provides a corresponding voltage signal to the BCM based on which switch is pressed (dim up or dim down).

DTC	Description	Fault Trigger Conditions
B1436:01	Digital Dimmer Switch Input: General Electrical Failure	A continuous and on-demand DTC that sets in the BCM when the BCM detects an open, short to power or to ground on the dim up or dim down circuits.

Possible Sources

- Wiring, terminals or connectors
- Dimmer switch (part of the headlamp switch)
- BCM

DIAGNOSIS AND TESTING > INSTRUMENT PANEL AND INTERIOR SWITCHES ILLUMINATION > PINPOINT TEST > PINPOINT TEST A : ALL ILLUMINATION (NETWORKED AND NON-NETWORKED COMPONENTS) DO NOT DIM > PINPOINT TEST A : ALL ILLUMINATION (NETWORKED AND NON-NETWORKED COMPONENTS) DO NOT DIM

A1 RETRIEVE AND RECORD DIAGNOSTIC TROUBLE CODES (DTCS)

Ignition ON.

Using the diagnostic scan tool, retrieve all Diagnostic Trouble Codes (DTCs).

Is DTC B1436:01 present?

Yes	GO to A2
No	GO to A6

A2 CHECK THE DIM UP AND DIM DOWN CIRCUITS FOR A SHORT TO VOLTAGE

Disconnect Headlamp switch C205 .

Ignition ON.

Measure:

Positive Lead	Measurement / Action	Negative Lead
C205-3		Ground