



BRAKES

ENGINEERED SOLUTIONS

Bulletin BES 00-18

Chevy, GMC, Olds trucks

Subject: ABS – Headlights or IP lights dim/flicker

Vehicle Involved: 98-00 Chevy S10 Blazer

98-00 GMC Envoy, Jimmy, Sonoma

98-00 Oldsmobile Bravada

Condition: Headlights dim and/or flicker while driving

Repair Procedure: If the EBCM loses a wheel-speed-sensor signal, it will activate the ABS motor momentarily. Since the motor may draw up to 100 amps, the lights will dim or flicker during the cycle. The brakes do not have to be applied for this condition to exist. The loss of a signal could be caused by faulty wiring, a bad wheel-speed sensor or sensor ring, or air gap (worn brakes).

Connect a scan tool to the ALDL connector, and drive the vehicle to create the condition.

Observe all the wheel-speed-sensor readings to determine which sensor signal is dropping out or is producing less voltage than the others. The sensor generating the lowest-voltage signal is the problem. Check the entire circuit visually and with a DVOM to determine whether it is the sensor, the wiring circuit or the sensor ring. With the DVOM connected, wiggle the wires to locate bad connections or faulty wiring. Inspect the sensor ring for missing or chipped teeth, foreign material or cracks. Clean the sensor and check the air gap between the sensor and the sensor ring.