



HYUNDAI Technical Service Bulletin

Group	ELECTRICAL
Number	08-BE-004
Date	JUNE, 2008
Model	ALL

Subject	DIAGNOSIS VOLTAGE DROP
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CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY MGR	<input type="checkbox"/> SALES MANAGER

DESCRIPTION:

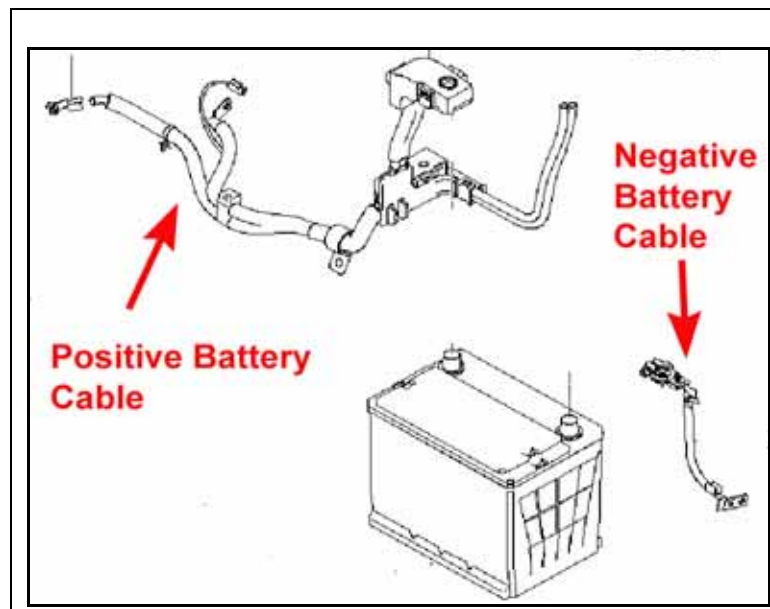
Excessive resistance in high amperage circuits may result in one or more of the following symptoms:

- Blower motor speed slow down and the radio cycles off and on.
- Intermittent headlight dimming during deceleration.

This bulletin provides the procedure to diagnose and repair the vehicle wiring grounds.

SERVICE PROCEDURE:

1. Start vehicle and turn on headlights (including high beam), air conditioning, and set the blower to maximum speed.
2. Using a known good digital volt-ohm meter (DVOM), perform a voltage drop test on the positive battery cable, paying particular attention to the leads to the Engine Room Junction Box (refer to photo on page 2). If the voltage drop is more than 0.2 volts on any of the leads, replace the Positive Battery Cable.





POSITIVE BATTERY CABLE TEST CONFIGURATION

3. Perform voltage drop test on the negative battery cable. If the voltage drop is more than 0.2 volts, repair or replace the negative battery cable.



NEGATIVE BATTERY CABLE TEST CONFIGURATION



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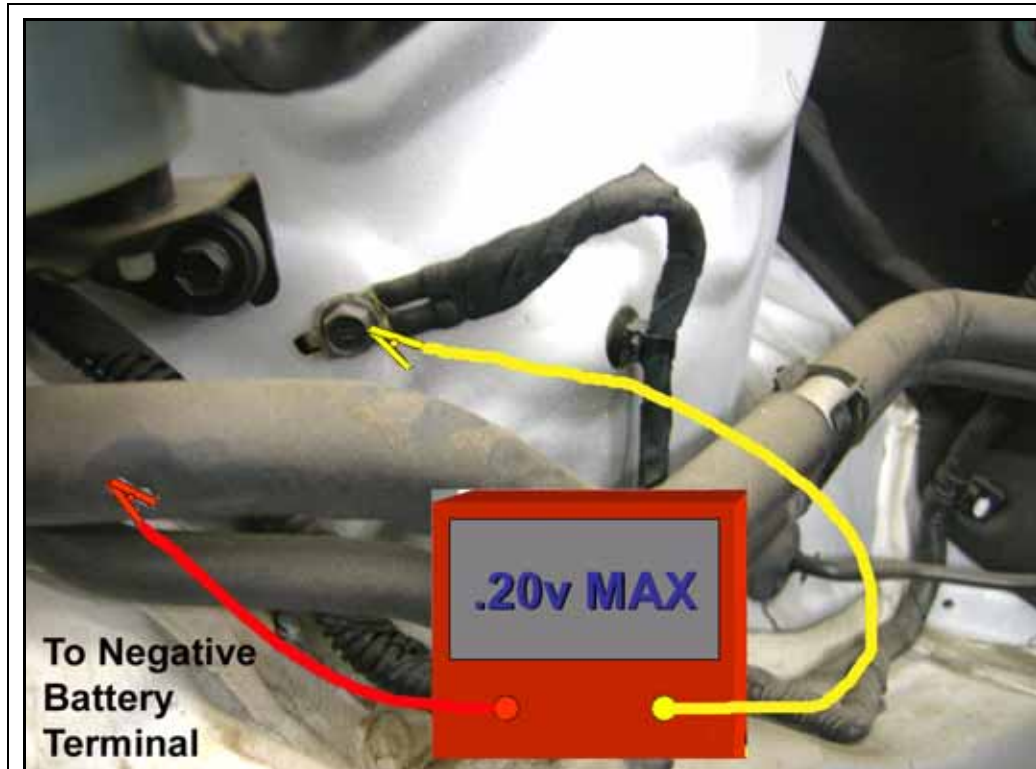
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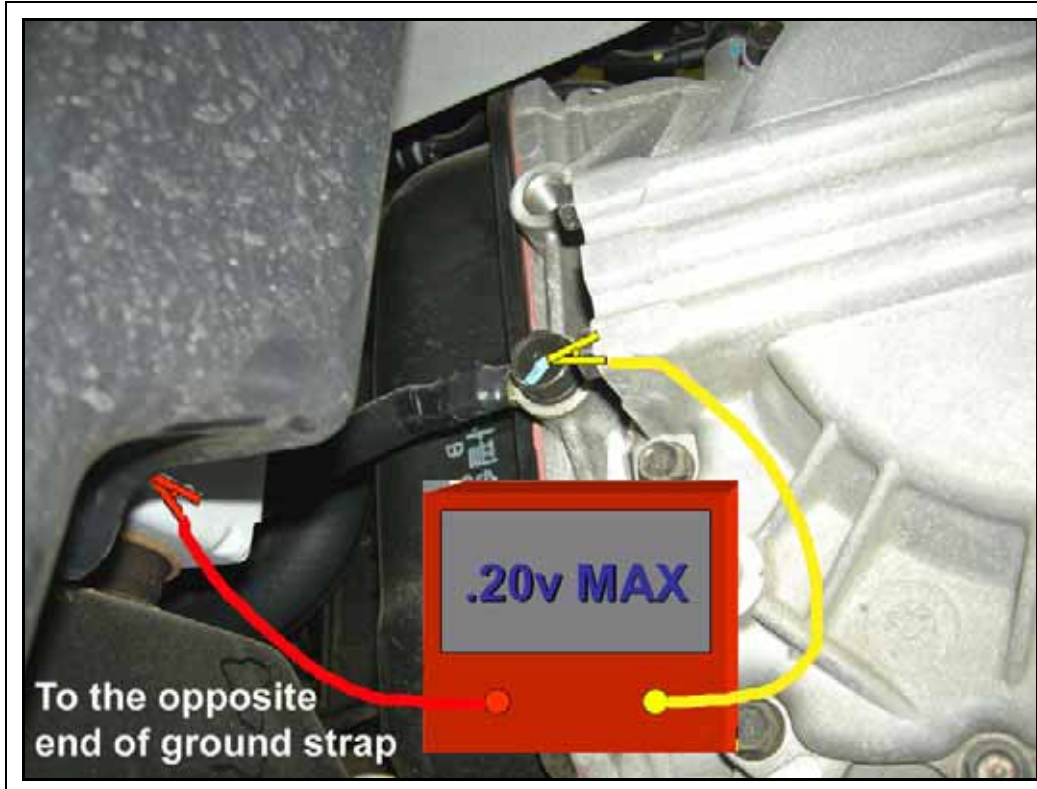
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4. Perform voltage drop check to all body ground locations in the engine compartment. Check with the positive volt meter lead on the negative battery terminal and the negative lead to the ground locations. If the voltage drop is more than 0.2 volts, repair or replace the body ground terminal and/or wiring assembly.



5. Perform voltage drop check to all Engine and Transmission ground straps. Check with the voltmeter positive lead on one end of the strap and the negative lead to the opposite end. If the voltage drop is more than 0.2 volts, repair or replace the ground terminal and/or ground strap.



NOTE: When repairing grounds, chase the bolt threads with appropriate tool, clean the harness terminal and apply a star washer between the bolt and the terminal eyelet. Do not sand or grind paint from the body.

WARRANTY INFORMATION:

Normal warranty operation code and times apply.