

- Steering wheel (includes harness)
- SCCM

DIAGNOSIS AND TESTING > INSTRUMENT PANEL AND INTERIOR SWITCHES ILLUMINATION > PINPOINT TEST > PINPOINT TEST G : THE STEERING WHEEL SWITCH(ES) ILLUMINATION IS INOPERATIVE OR ALWAYS ON > PINPOINT TEST G : THE STEERING WHEEL SWITCH(ES) ILLUMINATION IS INOPERATIVE OR ALWAYS ON

G1 INSPECT THE NON-NETWORKED ILLUMINATION COMPONENTS

Ignition ON.

Place the headlamp switch in the PARKING LAMPS ON position.

While pressing the illumination dimmer switch up and down, monitor the non-networked illumination components.

Are all of the non-networked illumination components inoperative or always on?

Yes	If all non-networked illumination components are always on, GO to Pinpoint Test D If all non-networked illumination components are inoperative, GO to Pinpoint Test B
No	If all steering wheel switch(es) illumination is inoperative, GO to G2. If one or more but not all switch illumination is inoperative, GO to G5

G2 CHECK FOR ILLUMINATION VOLTAGE AND GROUND AT THE CLOCKSPrING

Place the headlamp switch in the OFF position.

Ignition OFF.

Disconnect SCCM C218A .

Place the headlamp switch in the PARKING LAMPS ON position.

Ignition ON.

Press the illumination dim up switch to the full illumination position.

Measure:

Positive Lead	Measurement / Action	Negative Lead
C218A-1		C218A-4

Is the voltage greater than 11 volts?

Yes	GO to G4
No	GO to G3

G3 CHECK FOR ILLUMINATION VOLTAGE AT THE CLOCKSPRING

Measure:

Positive Lead	Measurement / Action	Negative Lead
C218A-1		Ground

Is the voltage greater than 11 volts?

Yes	REPAIR the illumination ground circuit.
No	REPAIR the circuit in question.

G4 CHECK FOR ILLUMINATION VOLTAGE AND GROUND TO THE STEERING WHEEL SWITCHES

Place the headlamp switch in the OFF position.

Ignition OFF.

Remove the driver airbag. REFER to: Driver Airbag .

Connect C218A .

Disconnect C218B .

Place the headlamp switch in the PARKING LAMPS ON position.

Ignition ON.

Measure:

Positive Lead	Measurement / Action	Negative Lead
C218B-11 Component side		C218B-1 Component side

Is the voltage greater than 11 volts?

Yes	INSTALL a new steering wheel. REFER to: Steering Wheel .
No	INSTALL a new clockspring. REFER to: Clockspring .

G5 CHECK THE SUSPECT STEERING WHEEL SWITCH FOR ILLUMINATION VOLTAGE AND GROUND

Place the headlamp switch in the OFF position.

Ignition OFF.

Remove the driver airbag. REFER to: Driver Airbag .

Disconnect the suspect switch.

Place the headlamp switch in the PARKING LAMPS ON position.

Ignition ON.

Measure the voltage and ground at the inoperative switch, harness side:

LH upper steering wheel switch

Positive Lead	Measurement / Action	Negative Lead
C2998-4		C2998-1

RH upper steering wheel switch

Positive Lead	Measurement / Action	Negative Lead
C2999-4		C2999-1

LH lower steering wheel switch

Positive Lead	Measurement / Action	Negative Lead
C2366-8		C2366-2

RH lower steering wheel switch

Positive Lead	Measurement / Action	Negative Lead
C2367-8		C2367-2

LH downshift paddle switch

Positive Lead	Measurement / Action	Negative Lead
C2429-1		C2429-4

RH upshift paddle switch

Positive Lead	Measurement / Action	Negative Lead
C2428-1		C2428-4

Is the voltage greater than 11 volts?

Yes	INSTALL a new switch. REFER to: Steering Wheel Multifunction Switch . If the downshift paddle switch is a fault, INSTALL a new switch. REFER to: Downshift Paddle Switch . If the upshift paddle switch is a fault, INSTALL a new switch. REFER to: Upshift Paddle Switch .
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No	REPAIR the circuit in question. If the circuit cannot be repaired, INSTALL a new steering wheel. REFER to: Steering Wheel .
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