Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2013 Chevrolet Spark Classic Service and Repair Manual

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Sample

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Callout	Component Name
	CAUTION **Caution** Refer to Fastener Caution.
2	Rear Fog Lamp **Procedure** 1. Disconnect the electrical connector, if equipped. 2. Pull the rear fog lamp straight out and remove from vehicle.

Sample

9. Replace the K39 Liftgate Control Module.

Test 2

1. Ignition OFF, disconnect the X2 harness connector at the K39 Liftgate Control Module.

2. Test for less than 1 V between the control circuit terminals listed below and ground:

   - Control circuit terminal 1 X2
   - Control circuit terminal 2 X2
   - **If 1 V or greater**

   1. Ignition OFF, disconnect the harness connector at the A23C Liftgate Latch Assembly. ignition ON.
   2. Test for less than 1 V between the control circuit and ground.
      - If 1 V or greater, repair the short to voltage on the circuit.

   - **If less than 1 V**

3. Test for infinite resistance between the control circuit terminals listed below and ground:

   - Control circuit terminal 1 X2
   - Control circuit terminal 2 X2
   - **If less than infinite resistance**

   1. Ignition OFF, disconnect the harness connector at the A23C Liftgate Latch Assembly.
   2. Test for infinite resistance between the control circuit and ground.
      - If less than infinite resistance, repair the short to ground on the circuit.
      - If infinite resistance, replace the A23C Liftgate Latch Assembly.

   - **If infinite resistance**

4. Test for less than 10 Ω between the control circuit terminal 1 X2 and the control circuit terminal 2 X2.

   - **If 10 Ω or greater**

   1. Ignition OFF, disconnect the harness connector at the A23C Liftgate Latch Assembly.
   2. Test for less than 2 Ω between the K39 Liftgate Control Module control circuit terminal 1 X2 and the A23C Liftgate Latch Assembly control circuit terminal 8.
      - If 2 Ω or greater, repair the open/high resistance on the circuit.

Sample

G210

F11DL F11DL

X51L Fuse Block - Instrument Panel Left Bussing

F10DL, F11DL, F19DL, F26DL, F34DL and F39DL

X51L Fuse Block - Instrument Panel Left Top View

F13DR F13DR

X51R Fuse Block - Instrument Panel Right Bussing

F13DR, F19DR, F36DR, F37DR, F38DR, F39DR, F45DR, F46DR, F47DR, F48DR and F49DR

X51R Fuse Block - Instrument Panel Right Top View

F13DR F13DR

X51R Fuse Block - Instrument Panel Right Bussing

F13DR, F19DR, F36DR, F37DR, F38DR, F39DR, F45DR, F46DR, F47DR, F48DR and F49DR

X51R Fuse Block - Instrument Panel Right Top View

F11DL F11DL

X51L Fuse Block - Instrument Panel Left Bussing

F10DL, F11DL, F19DL, F26DL, F34DL and F39DL

X51L Fuse Block - Instrument Panel Left Top View

X600 X600

Body Harness Routing - Right Front of Passenger Compartment

Passenger Door Harness Routing

X600 Passenger Door Harness to Body Harness (-A45)

X600 Passenger Door Harness to Body Harness (ATH/Z75/AN3)

X500 X500

Driver Door Harness Routing

Body Harness Routing - Left Front of Passenger Compartment

X500 Driver Door Harness to Body Harness

F13DR F13DR

X51R Fuse Block - Instrument Panel Right Bussing

F13DR, F19DR, F36DR, F37DR, F38DR, F39DR, F45DR, F46DR, F47DR, F48DR and F49DR

X51R Fuse Block - Instrument Panel Right Top View

X700 X700

Sample

1. Install a 15 A fused jumper wire between the B+ terminal 1 and 12 V. Install a jumper wire between the control terminal 2 and ground.
2. Verify the G19 Rear Window Washer Pump activates.
    - **If the G19 Rear Window Washer Pump does not activate.**

      Replace the G19 Rear Window Washer Pump.
    - **If the G19 Rear Window Washer Pump does activate.**
3. All OK

Repair Instructions

Perform the Diagnostic Repair Verification after completing the repair.

- Rear Window Washer Pump Replacement
- Turn Signal Switch Replacement
- Body Wiring Harness Junction Block Replacement
- Control Module References for body control module replacement, programming and setup.

Sample

DTC B273A

DTC B273A

Diagnostic Instructions

- Perform the Diagnostic System Check - Vehicle prior to using this diagnostic procedure.
- Review Strategy Based Diagnosis for an overview of the diagnostic approach.
- Diagnostic Procedure Instructions provides an overview of each diagnostic category.

DTC Descriptor

DTC B273A 02	Hill Descent Control Switch Short to Ground

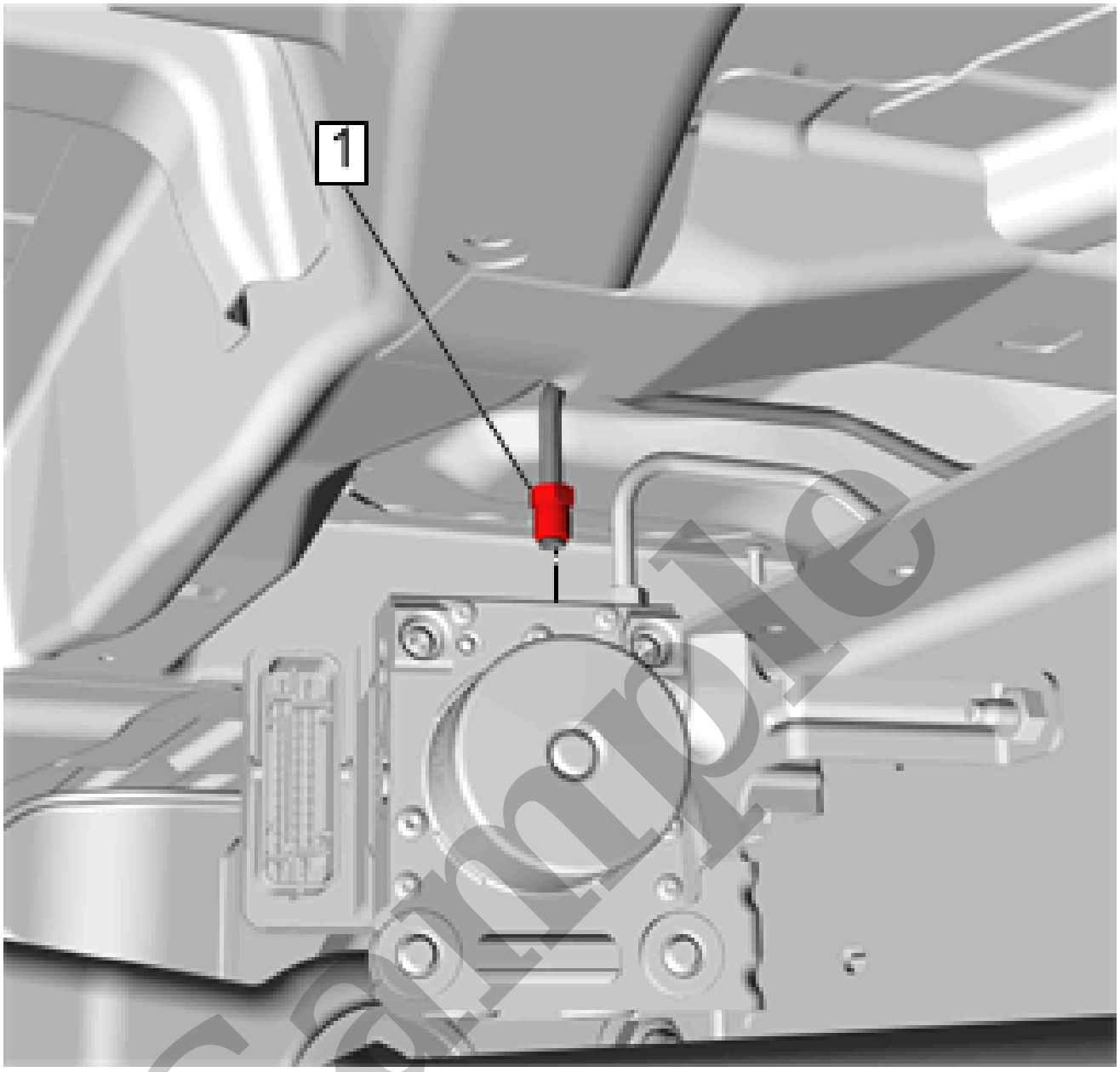
Diagnostic Fault Information

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
Signal	U0422 71, B273A 02	1	1	—
Ground	—	1	—	—
1. Hill descent control switch inoperative				

Circuit/System Description

The body control module monitors the signal circuit from the hill descent control switch. The hill descent control switch is a momentary switch that is normally open. When the hill descent control switch is pressed or [illegible] body control module will request the electronic brake control module via serial data to disable or enable the

Sample

13. 

    Right Front Brake Pipe Fitting (1) »Disconnect

14. Cap the brake pipe fitting and plug the BPMV outlet port to prevent brake fluid loss and contamination.

Sample

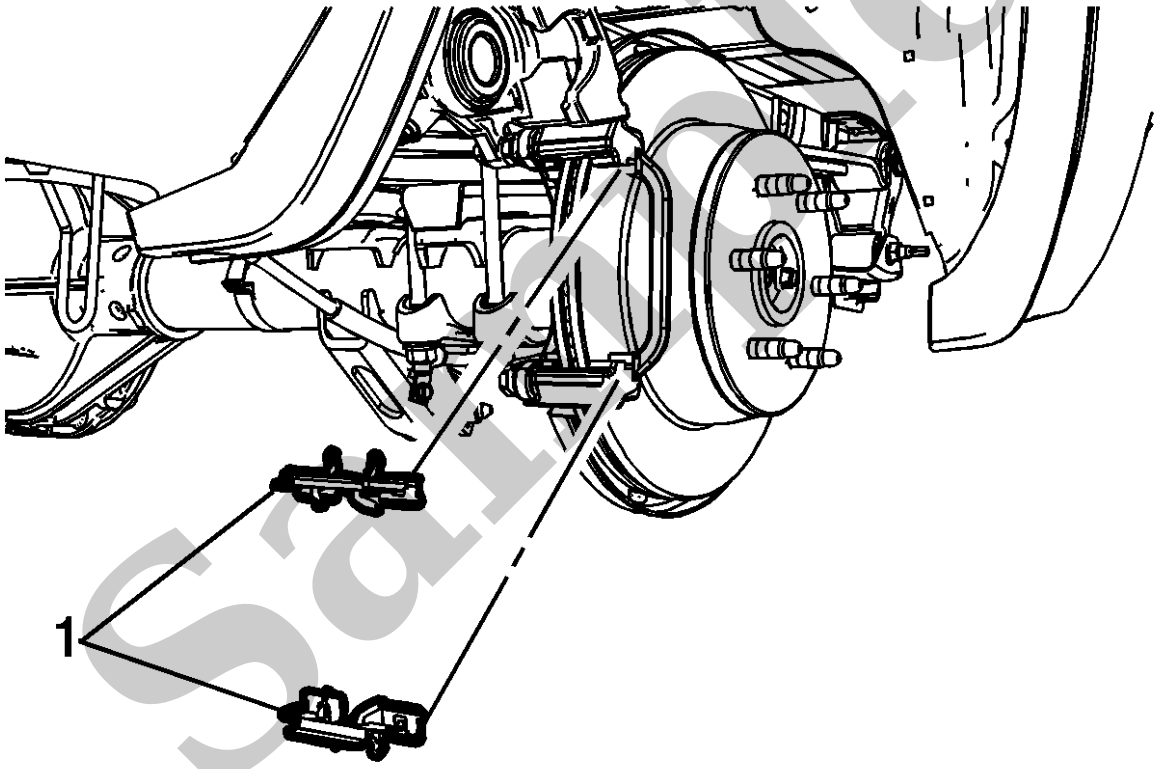
NOTE

Note

If reinstalling the original disc brake pads, note the location of the brake pads for proper installation.

Remove the inner disc brake pad (1).

12. Remove the outer disc brake pad (2).



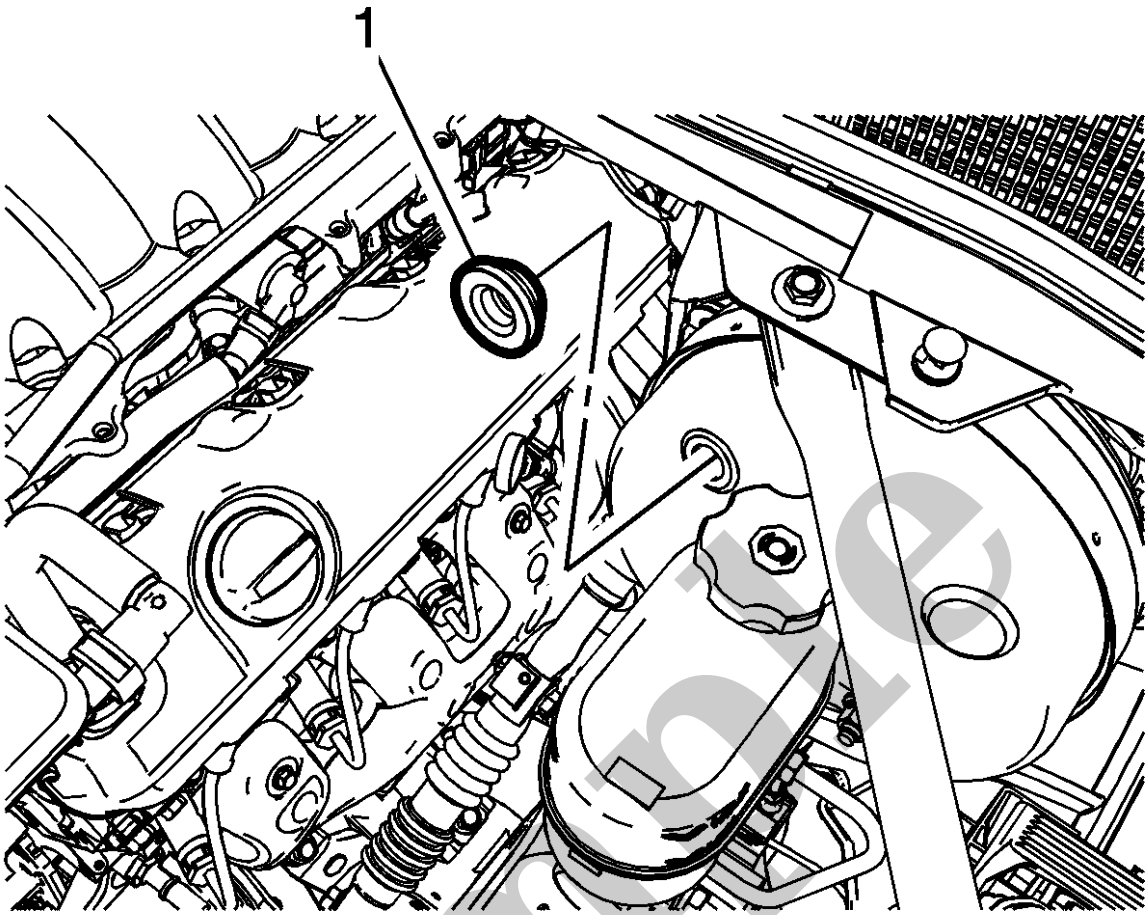
13.

Remove the brake pad springs (1).

Installation Procedure

1. Inspect the brake caliper for damage and/or corrosion and replace, if necessary. Brake Caliper Inspection

Sample



1.

NOTE

Note

If necessary, a small amount of denatured alcohol may be used as a lubricant for assembly. Do not use soap.

Install the power brake booster vacuum check valve grommet (1).

Sample