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.

2015 Chevrolet Cruze Service and Repair Manual

Go to manual page

Sample

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Controls and Audio Signals (UE1 With DRZ)

Controls and Audio Signals (UE1 Without DRZ)

Controls and Audio Signals (UI3)

Controls and Audio Signals (UE1 With DRZ)

Controls and Audio Signals (UE1 Without DRZ)

Controls and Audio Signals (UI3)

Controls and Audio Signals (UE1 With DRZ)

Controls and Audio Signals (UE1 Without DRZ)

Controls and Audio Signals (UI3)

KR61 KR61 Trailer Backup Lamps Relay

A1 A1 Mirror Dimming

E17D E17D Outside Rearview Mirror Glass - Driver

A9A A9A Outside Rearview Mirror - Driver

Front of Vehicle Components (X88)

Front of Vehicle Components (Z88)

Front of Vehicle Components (Z75)

KR73 KR73 Ignition Main Relay

X51L Fuse Block - Instrument Panel Left Bottom View

X50A Fuse Block - Underhood Top View

DD8 with DRZ

Sample

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
Signal—Terminal 3@A23C Liftgate Latch Assembly	2	B153A 08	—	—
Low Reference—A23C Liftgate Latch Assembly	—	B24A0 05	—	—

1. Driver Information Display—Rear Body Closure Open=Always On
2. Power Liftgate (TB5)=Disabled

Circuit/System Description

For an overview of the component/system, refer to: Liftgate Description and Operation

Circuit	Description
Signal	The control module input circuit has an internal resistance connected to 12 V.
Low Reference	Grounded through the control module.

Component	Description
A23C Liftgate Latch Assembly	The DC motor unlatches the liftgate. Once the liftgate is unlatched, a switch in the latch will close, grounding the signal circuit to the control module K39 indicating liftgate status.
K39 Liftgate Control Module	The control module K39 controls the liftgate motor function depending on inputs from a variety of sensors, switches and serial data information from other control modules.
K9 Body Control Module	The module controls various vehicle functions like lighting, central door locking, power windows, etc.

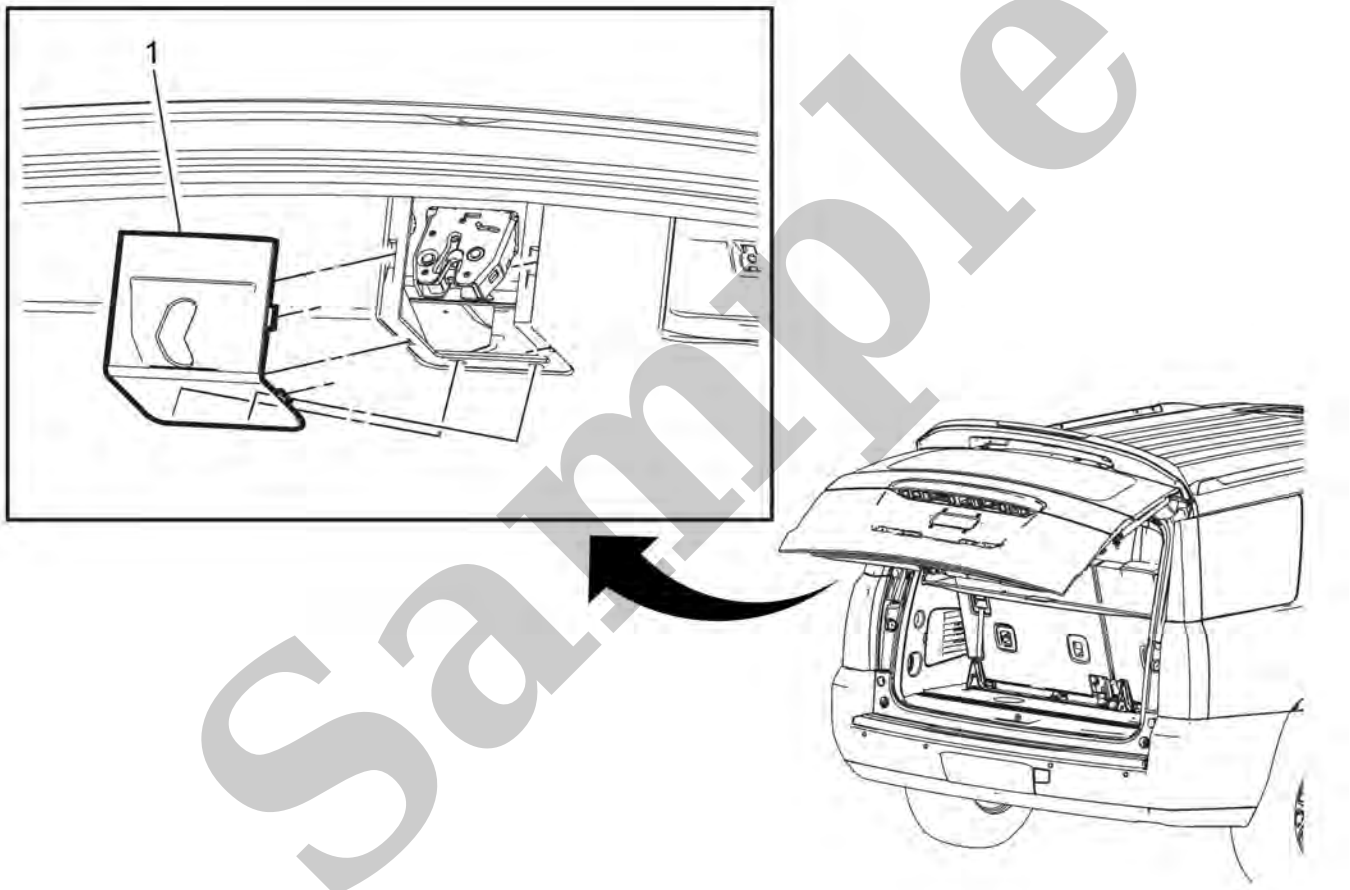
Conditions for Running the DTC

Ignition » On / Vehicle » In Service Mode

Sample

Liftgate Latch Cover Replacement

Liftgate Latch Cover Replacement



Sample

Liftgate Latch Cover Replacement

Callout	Component Name
1	Liftgate Latch Cover **Procedure** Use a small flat-bladed tool to pull and release the liftgate latch cover from the liftgate latch assembly.

Callout	Component Name
	6. Hold the wiper arm in position and torque the wiper arm nut as specified above. 7. Cycle the wiper arm with a spray of solvent, PARK the wiper arm and re-check the alignment of the wiper arm on the park ramp.

Sample

The engine control module detects a fault that prevents it from performing a traction control function and sends a serial data message to the electronic brake control module indicating that torque reduction is not allowed.

Action Taken When the DTC Sets

The electronic brake control module sends a serial data message to illuminate the appropriate warning/indicator message.

Conditions for Clearing the DTC

- The condition for the DTC is no longer present.
- The electronic brake control module clears the history DTC when a current DTC is not detected in 100 consecutive drive cycles.

Diagnostic Aids

- Inspect for proper transmission operation.
- Inspect the exhaust system for a possible restriction.
- Inspect for lack of engine power, hesitation, stumble or rough idle.
- Some intermittent communication concerns may be caused by fretting corrosion on the serial data circuit terminals. Inspect all connectors at the control module that set the communication DTC, the control module that the communication DTC was set against, and any inline harness connectors between the two control modules. Do not replace a control module based only on fretting corrosion.

Reference Information

Schematic Reference

Antilock Brake System Schematics

Connector End View Reference

Master Electrical Component List

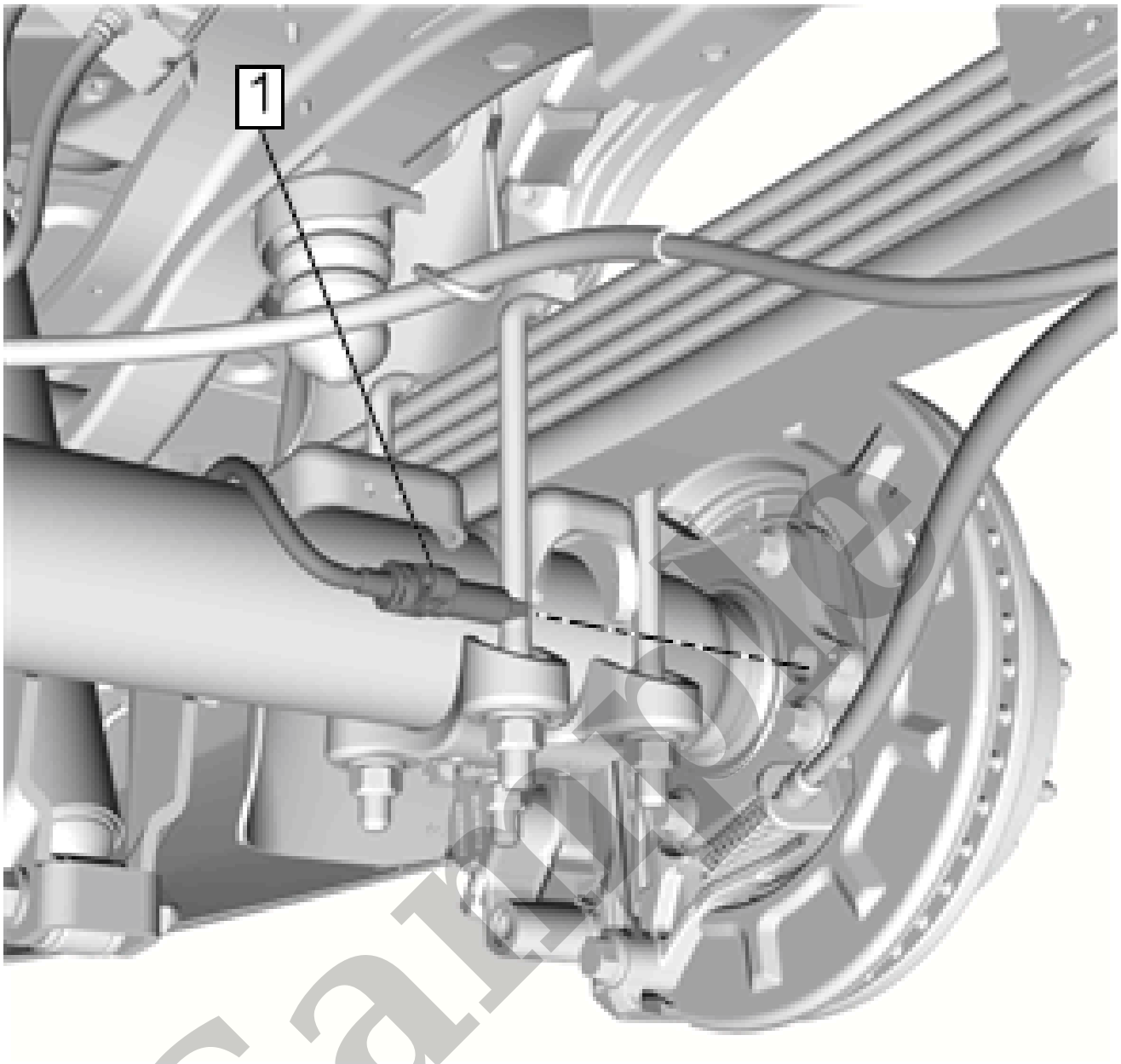
Description and Operation

ABS Description and Operation

Electrical Information Reference

- Circuit Testing

Sample



8. Wheel Speed Sensor(1) »Remove

Installation Procedure

1. Apply a light coat of wheel speed sensor anti-corrosion grease to the wheel speed sensor and mounting pad on the wheel hub and bearing assembly. Adhesives, Fluids, Lubricants, and Sealers

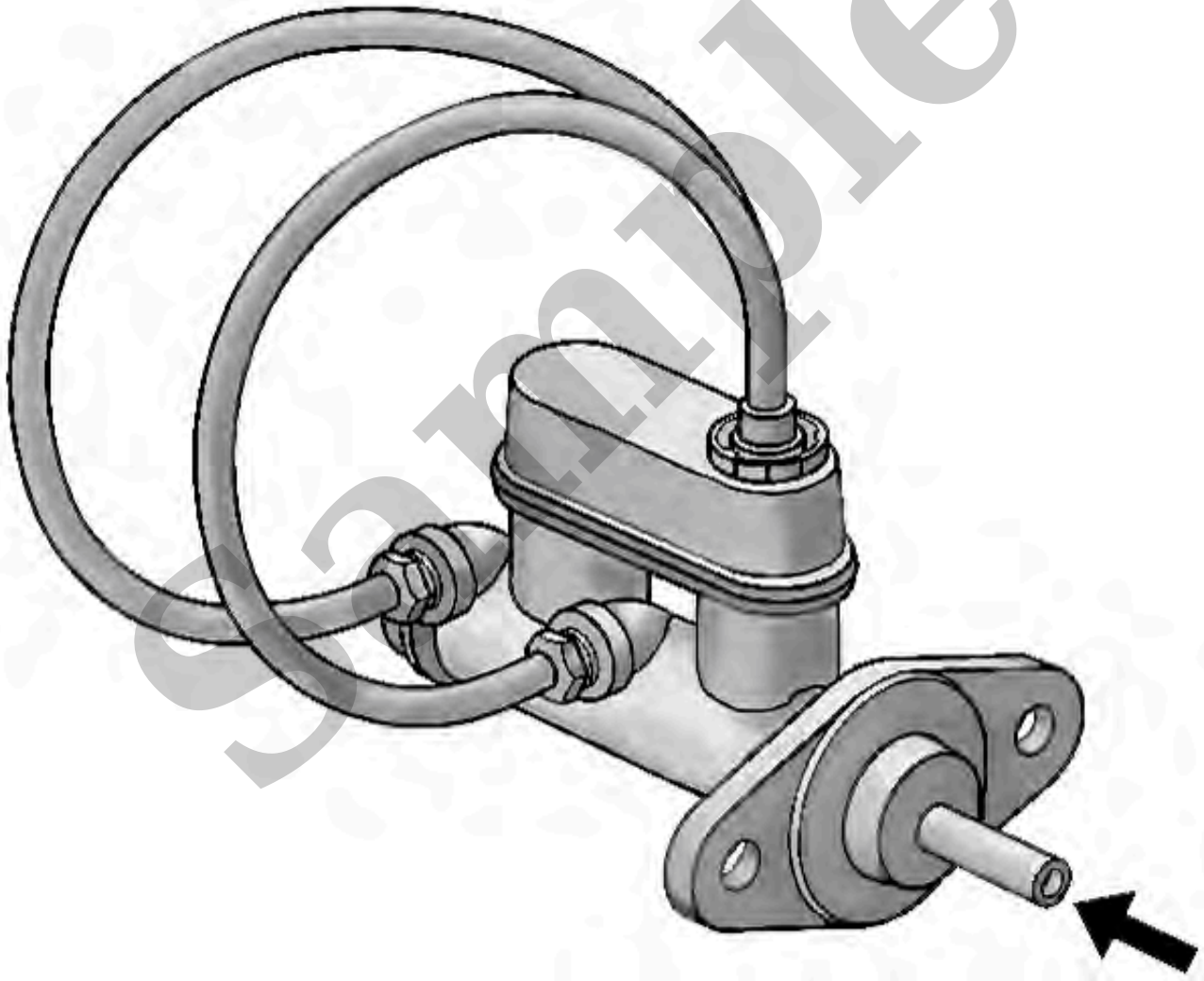
Sample

YOUR CURRENT VEHICLE

Brake Master Cylinder Bench Bleeding

Brake Master Cylinder Bench Bleeding

Sample



1.

WARNING

YOUR CURRENT VEHICLE

Parking Brake Cable Adjuster Disabling

Parking Brake Cable Adjuster Disabling (With J71)

The park brake cable tension is controlled by the electronic park brake (EPB) module. Tension can be fully released from the park brake cables to allow for service of the park brake system. Perform one of the following three methods to fully release cable tension.

Electronic Parking Brake Cable Tension Release

With Scan Tool - Preferred Method

1. Block the drive wheels.
2. Install a scan tool to the vehicle.
3. Turn the ignition switch to the ON/RUN position with the engine OFF.
4. Select Control Functions from the electronic parking brake control module menu.
5. Follow the instructions on the scan tool.

Without Scan Tool - Optional Method

1. Block the drive wheels.
2. Turn the ignition switch to the ON/RUN position with the engine OFF.
3. Place the automatic transmission in PARK or manual transmission in NEUTRAL, as equipped.
4. Apply and hold the brake pedal. The brake pedal must remain applied throughout the park brake cable tension release process.
5. Press and hold down the electronic park brake (EPB) switch approximately 5 seconds.
6. Observe the PARK BRAKE lamp on the instrument cluster.
7. When the PARK BRAKE lamp flashes, release then immediately press and release the EPB switch.

Sample