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2023 Chevrolet Colorado Service and Repair Manual

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Sample

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DTC	Diagnostic Procedure
	P160E, P161C, P16E9-P16F0, P16F3, P2610, P262B, P264F, P27B5, P30D6-P30DD, P3186, or P3191
P160E	Engine Controls and Fuel - 5.3L (L83) or 6.2L (L86) - DTC P026B, P05EC, P0601-P0607, P060A-P060D, P0610, P061C, P062B, P062F, P0630, P064D-P064F, P06D1, P08FF, P134C, P160A, P160D, P160E, P161C, P16E9-P16F0, P16F3, P2610, P262B, P264F, P27B5, P30D6-P30DD, P3186, or P3191
P161C	Engine Controls and Fuel - 5.3L (L83) or 6.2L (L86) - DTC P026B, P05EC, P0601-P0607, P060A-P060D, P0610, P061C, P062B, P062F, P0630, P064D-P064F, P06D1, P08FF, P134C, P160A, P160D, P160E, P161C, P16E9-P16F0, P16F3, P2610, P262B, P264F, P27B5, P30D6-P30DD, P3186, or P3191
P162B	Immobilizer - DTC P162B
P162C	Cruise Control - DTC B3623, B3794, P0564, P0565, P0567, P0568, P056C, P0580, P0581, P0589, P0592, P0593, P155A-P155C, or P162C
P1631	Immobilizer - DTC P1631
P163A	Engine Controls and Fuel - 5.3L (L83) or 6.2L (L86) - DTC P0090-P0092, P00C8, P00C9, P00CA, or P163A
P1649	Immobilizer - DTC P1649
P165C	Engine Controls and Fuel - 5.3L (L83) or 6.2L (L86) - DTC P1000, P1001, P1003, P1009, P10C6, P10F5, P1100, P1103, P11FF, P1200, P128C, P128D, P128F, P129E, P12A8, P130F, P139A, P139B, P14CD, P14CE, P14D4-P14D6, P15F9, P15FB, P165C, P167F, P16FF, P175F, P1772, P30DE, P314E, or P316B
P167F	Engine Controls and Fuel - 5.3L (L83) or 6.2L (L86) - DTC P1000, P1001, P1003, P1009, P10C6, P10F5, P1100, P1103, P11FF, P1200, P128C, P128D, P128F, P129E, P12A8, P130F, P139A, P139B, P14CD, P14CE, P14D4-P14D6, P15F9, P15FB, P165C, P167F, P16FF, P175F, P1772, P30DE, P314E, or P316B
P1682	Engine Controls and Fuel - 5.3L (L83) or 6.2L (L86) - DTC P0685-P0687, P0689, P0690, or P1682
P16A0	Engine Controls and Fuel - 5.3L (L83) or 6.2L (L86) - DTC P0121-P0123, P0222, P0223, P16A0-P16A2, or P2135
P16A1	Engine Controls and Fuel - 5.3L (L83) or 6.2L (L86) - DTC P0121-P0123, P0222, P0223, P16A0-P16A2, or P2135
P16A2	Engine Controls and Fuel - 5.3L (L83) or 6.2L (L86) - DTC P0121-P0123, P0222, P0223, P16A0-

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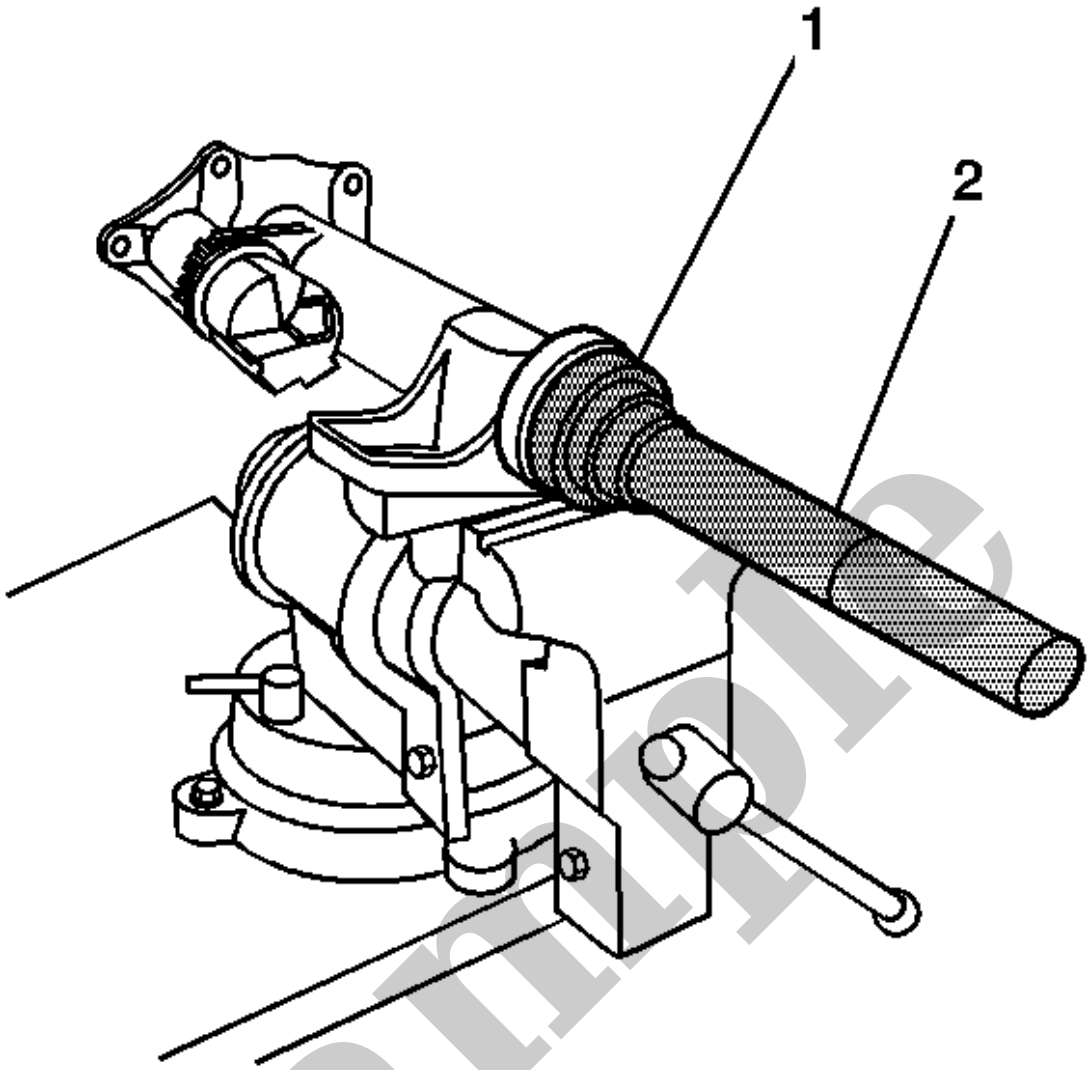
Parameter	System State	Expected Value	Description
Generator L-Terminal Command	—	0–100%	This parameter displays the control modules commanded state of the voltage regulator on the generator.
Generator L-Terminal Signal Command	—	On/Off	This parameter displays the signal command of the Generator L-Terminal.
Glow Plug Command	—	On/Off	This parameter displays the voltage supply to the glow plugs as measured by the control module. The scan tool will display a higher value at high voltages, or a lower value at lower voltages.
High Idle Speed	—	Enabled/Disabled	This parameter displays the current state of the High Idle Speed.
HO2S 1	—	Lambda	This parameter displays the actual lambda signal measured by wide range oxygen sensor 1 bank 1.
H02S 1 Heater Command	—	On/Off	This parameter displays the current command of the oxygen sensor heater control.
H02S 1 Heater Command	—	%	This parameter displays the current command of the oxygen sensor heater control in percentage.
H02S 1 Heater Control Circuit High Voltage Test Status	—	OK	This parameter displays the state of the oxygen sensor heater control circuit. The parameter displays Malfunction if the oxygen sensor heater control circuit is shorted to voltage.
H02S 1 Heater Control Circuit Low Voltage Test Status	—	OK	This parameter displays the state of the oxygen sensor heater control circuit. The parameter displays Malfunction if the oxygen sensor heater control circuit is shorted to ground.
H02S 1 Heater Control Circuit Open Test Status	—	OK	This parameter displays the state of the oxygen sensor heater control circuit. The parameter displays Malfunction if the oxygen sensor heater control circuit is open.
H02S 1 Module Signal	—	Volts	This parameter displays the current voltage of the oxygen sensor heater module signal circuit.
IAT Sensor 1	—	°C (°F)	This parameter displays the temperature of the air entering the engine as calculated by the control module based on the

Sample



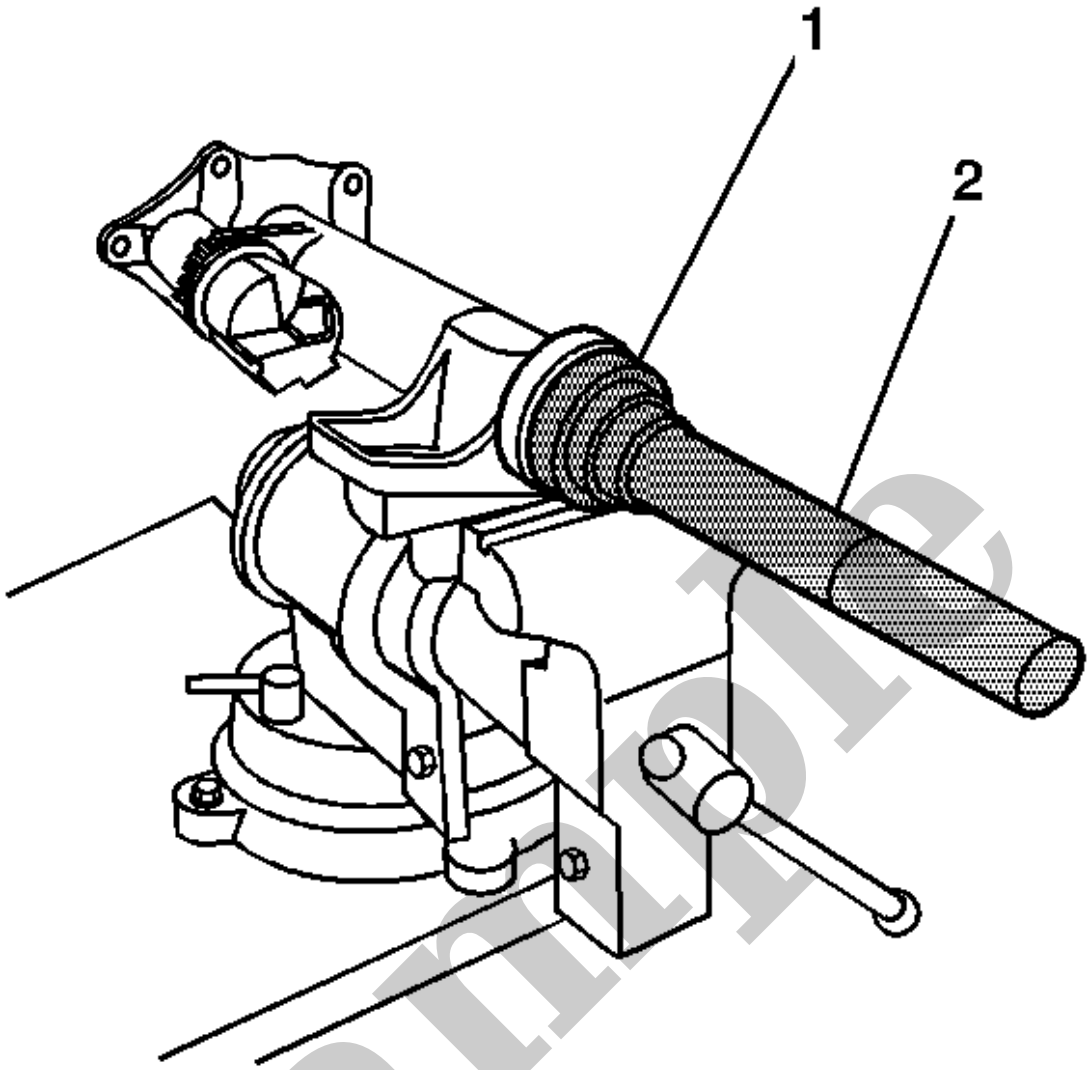
15.

Install the inner axle shaft housing into a vise.

16. Clamp only on the mounting flange of the inner axle shaft housing.

17. Using the **J 36609** ***installer*** (1) and the **J 8092** ***handle*** (2), install the bearing.

Sample

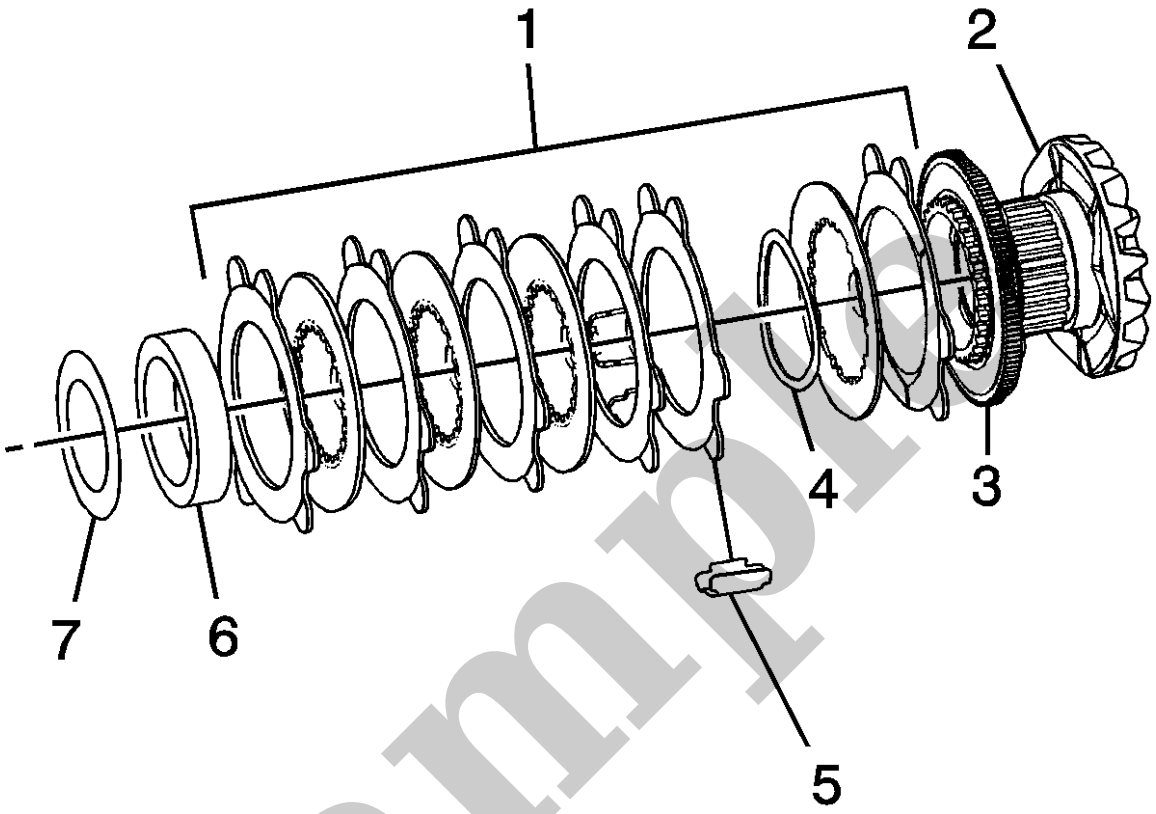


1. Using the **J-36609** ***installer*** (1) and the **GE-8092** ***handle*** (2), install the right side bearing with the square shoulder in .
2. Install the inner axle shaft into the inner axle shaft housing.

   Carefully tap the inner axle shaft into place with a soft-faced mallet.
3. Install the inner axle shaft and clutch fork assembly components into the inner shaft housing. Refer to Front Drive Axle Inner Shaft Housing Replacement.
4. Install the inner axle shaft and housing assembly to the differential carrier case assembly. Refer to Front Drive Axle Inner Shaft Housing Replacement.
5. Install the shock module. Refer to Shock Absorber and Spring Removal and Installation.
6. If only the left side seal was removed, perform the following step. Install the wheel drive shaft to the inner axle shaft.

Sample

Using the appropriate tool, remove the external snap ring retainer.



3. Remove and disassemble the locking differential clutch disc set (1).

4. **NOTE**

Note

The locking differential clutch disc thrust washer is NOT serviced separately. It is serviced with the locking differential clutch disc set.

Remove the locking differential clutch disc thrust washer (4).

5. **NOTE**

Note

Sample

YOUR CURRENT VEHICLE

Rear Axle Housing Cover Replacement

Rear Axle Housing Cover Replacement

Removal Procedure

1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.
2. For the 9.5 inch axle, drain the rear axle. Refer to Differential Oil Replacement.
3. Remove the rear suspension lateral link. Refer to Rear Suspension Lateral Link Replacement.
4. Reposition the stabilizer shaft. Refer to Stabilizer Shaft Replacement.

Sample

Repair Instructions

Perform the Diagnostic Repair Verification after completing the repair.

Control Module References for telematics communication interface control module replacement, programming and setup.

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Once a supported device is connected to the USB port or SD card reader, the device may be sourced to one or both of the rear displays using the remote control.

Conditions for Running the DTC

- Ignition is ON or in the ACC position
- The system voltage is 9-16 V
- The rear seat entertainment system is ON
- The test is run once per second when the rear seat entertainment system is operating.

Conditions for Setting the DTC

The Media Disc Player does not detect the vehicle hub device.

Action Taken When the DTC Sets

The USB port and SD card reader are inoperative while the DTC is current.

Conditions for Clearing the DTC

- The condition for setting the DTC is no longer present.
- A history DTC will clear once 50 consecutive malfunction-free ignition cycles have occurred.

Diagnostic Aids

This DTC may be set due to the connection of an incompatible or faulty device.

Reference Information

Schematic Reference

Video System Schematics

Connector End View Reference

Master Electrical Component List

Description and Operation

Video Entertainment System Description and Operation

Electrical Information Reference

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