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## 2023 Chevrolet Blazer Service and Repair Manual

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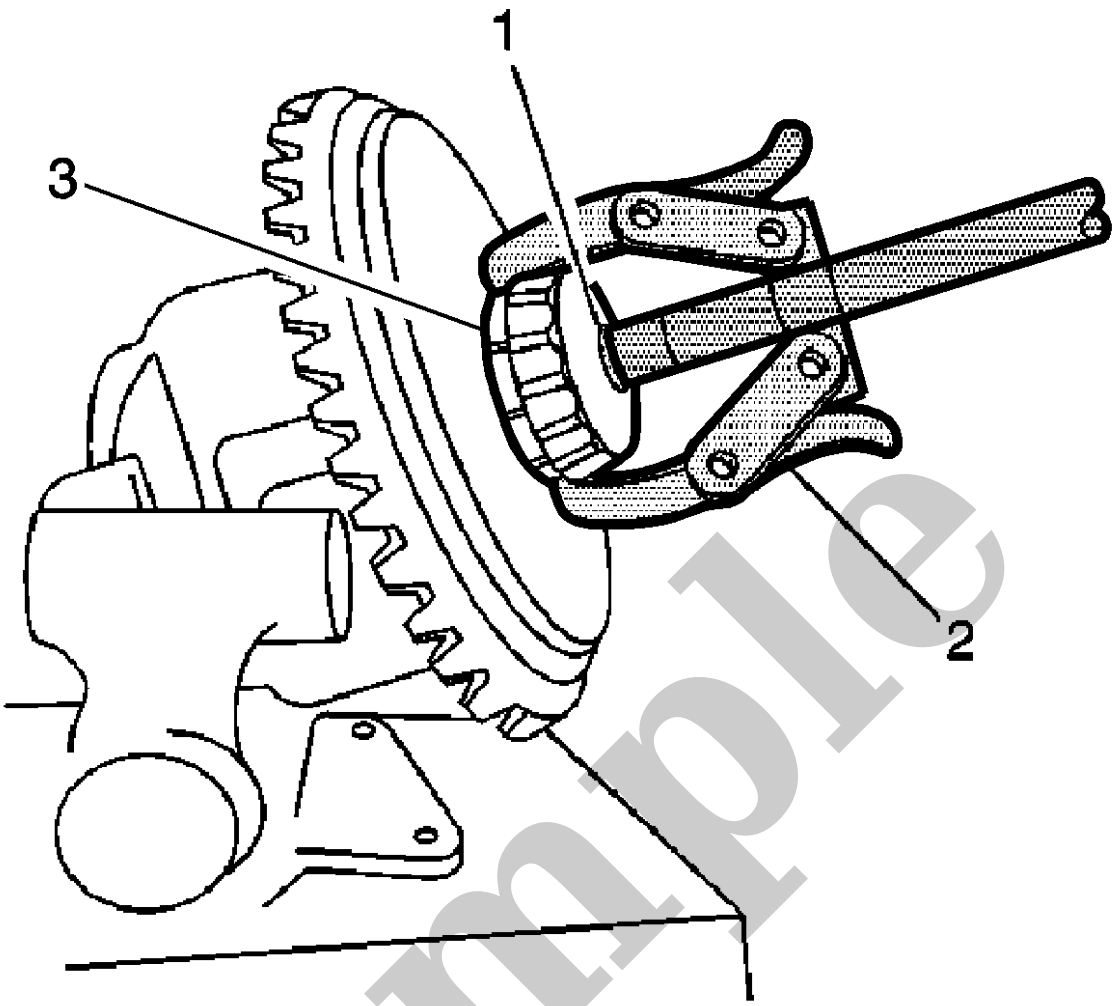
| DTC | Diagnostic Procedure |
|---|---|
| P0796 | Automatic Transmission - 6L80 (MYC) - DTC P0796 or P0797 |
| P0796 | Automatic Transmission - 8L90 (M5U) - DTC P0796 or P0797 |
| P0797 | Automatic Transmission - 10L80 (MF6) - DTC P0796 or P0797 |
| P0797 | Automatic Transmission - 6L80 (MYC) - DTC P0796 or P0797 |
| P0797 | Automatic Transmission - 8L90 (M5U) - DTC P0796 or P0797 |
| P07BF | Automatic Transmission - 10L80 (MF6) - DTC P0716, P0717, P07BF, P07C0, P1783, or P17CE |
| P07BF | Automatic Transmission - 8L90 (M5U) - DTC P0716, P0717, P07BF, or P07C0 |
| P07C0 | Automatic Transmission - 10L80 (MF6) - DTC P0716, P0717, P07BF, P07C0, P1783, or P17CE |
| P07C0 | Automatic Transmission - 8L90 (M5U) - DTC P0716, P0717, P07BF, or P07C0 |
| P0800 | Engine Controls and Fuel - 5.3L (L83) or 6.2L (L86) - DTC P00FF, P069E, P06EC, P0700, P0800, P0A7B, P0AC4, P0CA1, P1700, P1E00, P2561, P25A2, P25AF, P25C9, P26C8, or P26C9 |
| P0815 | Automatic Transmission - 10L80 (MF6) - DTC P0815, P0816, P0826, or P1876 - Manual Mode or Tap Up/Tap Down Switch Malfunction |
| P0815 | Automatic Transmission - 6L80 (MYC) - DTC P0815, P0816, P0826, or P1876 |
| P0815 | Automatic Transmission - 8L90 (M5U) - DTC P0815, P0816, or P0826 |
| P0816 | Automatic Transmission - 10L80 (MF6) - DTC P0815, P0816, P0826, or P1876 - Manual Mode or Tap Up/Tap Down Switch Malfunction |
| P0816 | Automatic Transmission - 6L80 (MYC) - DTC P0815, P0816, P0826, or P1876 |
| P0816 | Automatic Transmission - 8L90 (M5U) - DTC P0815, P0816, or P0826 |
| P0826 | Automatic Transmission - 10L80 (MF6) - DTC P0815, P0816, P0826, or P1876 - Manual Mode or Tap Up/Tap Down Switch Malfunction |
| P0826 | Automatic Transmission - 6L80 (MYC) - DTC P0815, P0816, P0826, or P1876 |

| Parameter | System State | Expected Value | Description |
|---|---|---|---|
| Extended Travel Brake Pedal Position Signal | — | Released | This parameter displays the status of the Extended Travel Brake Pedal Position sensor. |
| Frozen Reductant – Diagnostic Inhibit | — | No | This parameter displays Yes if the reductant diagnostic is inoperative due to frozen reductant. |
| Frozen Reductant – Injection Inhibit | — | No | This parameter displays Yes if the reductant injection is inoperative due to frozen reductant. |
| Frozen Reductant – Refill Recognition Inhibit | — | No | This parameter displays Yes if the reductant refill monitor is inoperative due to frozen reductant. |
| Fuel Consumed Since Last DPF Regeneration | — | Liters/Gallons | This parameter displays the amount of fuel consumed since the last DPF regeneration. |
| Fuel Consumed Since Last DPF Replacement | — | Liters | This parameter displays the amount of Fuel Consumed Since Last DPF Replacement. |
| Fuel Consumption Rate | — | L/H | This parameter displays the amount of fuel consumed by engine per unit of time in liters per hour. NOTE: Engine Fuel Rate shall indicate zero L/H when the engine is not running. |
| Fuel Economy Mode Switch | Ignition ON | OK | This parameter displays the state of the fuel economy mode switch circuit. The parameter displays Malfunction if the fuel economy mode switch circuit is open. |
| Fuel Economy Mode Switch | Ignition ON | Volts | This parameter displays the economy mode switch reference voltage. |
| Fuel Filter Life Remaining | — | % | This parameter displays the fuel filter life remaining before requiring an fuel filter change. This number is calculated by the control module based on many inputs and is displayed as a percent. The lower the percentage, the sooner the next fuel filter change will be required. |
| Fuel Filter Pressure Switch | — | OK | This parameter displays the status of the fuel filter pressure switch. |
| Fuel Heater Relay Command | — | Off | This parameter displays the status of the fuel relay heater command. |




3.

Remove the differential bearings from the differential case. Front Differential Case Disassemble

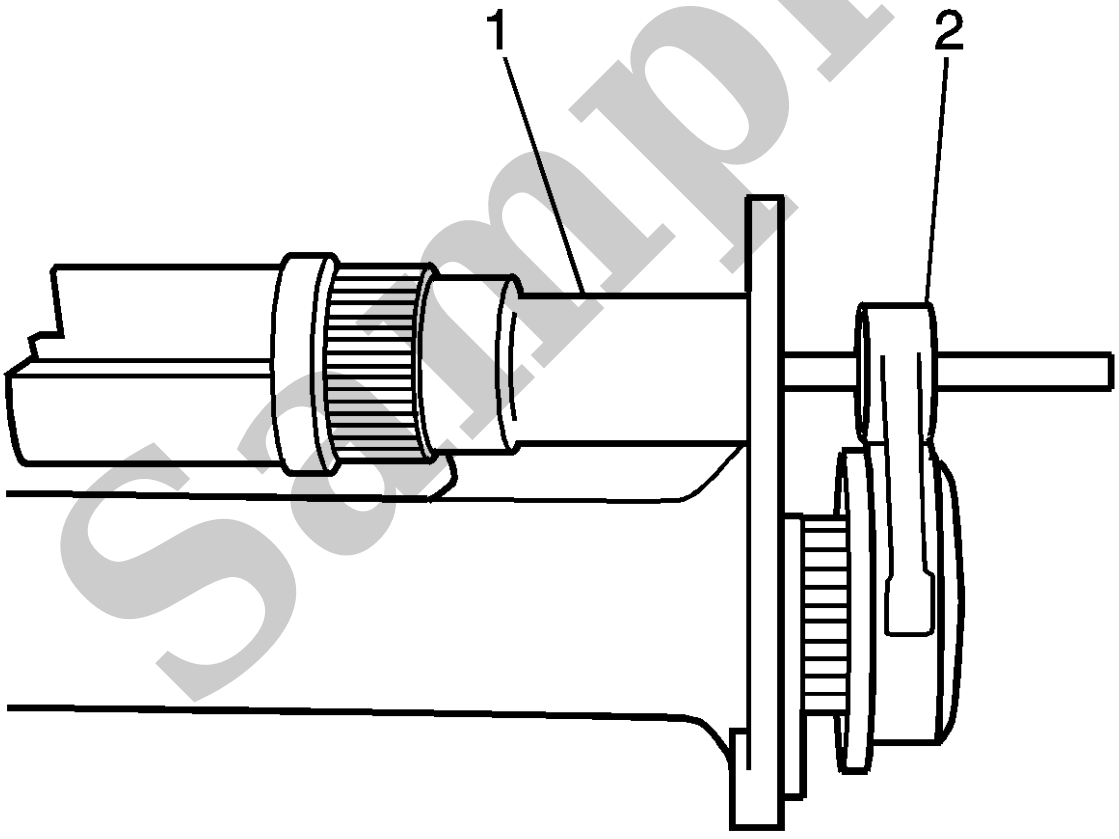
**Installation Procedure**

YOUR CURRENT VEHICLE

# Front Drive Axle Clutch Fork Replacement

## Front Drive Axle Clutch Fork Replacement

## Removal Procedure






1.

Measure the backlash of the differential pinion gear and the locking differential side gear cam unit by doing the following:

1. Install the **J 7872** ***base*** (1) and the **J 8001** ***indicator*** (2) to the ring gear flange.
2. Place the contact pad of the **J 8001** ***indicator*** (2) on one of the teeth of the pinion gear closest to the pinion shaft lock bolt and zero the gauge.
3. Pull the pinion gear firmly into the differential case seat.
4. Rotate the pinion gear back and forth.
5. **NOTE**

   **Note**

   - If the backlash is greater than, install a thicker locking differential clutch disc thrust washer and recheck the backlash.
   - If the backlash is less than, install a thinner locking differential clutch disc thrust washer and recheck the backlash

   The backlash between the differential pinion gear and the locking differential side gear cam unit should be:

   - For the 8.6 inch axle, ***0.254–0.406 mm (0.010–0.016 in).***
   - For the 9.5/9.76 LD axle, ***0.279–0.432 mm (0.011–0.017 in).***

9. Locking differential clutch disc thrust washers are available in the following sizes:

| Washer Sizes for 8.6 inch axle |
| --- |
| • 0.610 mm (0.024 in)<br>• 0.711 mm (0.028 in)<br>• 0.813 mm (0.032 in)<br>• 0.914 mm (0.036 in)<br>• 1.016 mm (0.040 in)<br>• 1.118 mm (0.044 in)<br>• 1.219 mm (0.048 in)<br>• 1.321 mm (0.052 in) |

YOUR CURRENT VEHICLE

# Drive Pinion and Ring Gear Replacement

## Drive Pinion and Ring Gear Replacement

### Special Tools

**J-22536** ***Pinion Remover***

For equivalent regional tools, refer to Special Tools.

## Removal Procedure

1. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle.
2. Remove the differential case assembly. Refer to Differential Replacement.
3. Remove the differential pinion yoke and the oil seal. Refer to Differential Drive Pinion Gear Yoke Replacement and Differential Drive Pinion Gear Seal Replacement.

- **If none of the buttons operate normally**

  Refer to Circuit/System Testing

- **If some, but not all, of the buttons operate normally**

  Test or replace the A10 Inside Rearview Mirror

- **If all of the buttons operate normally**

3. All OK.

**Circuit/System Testing**

1. Ignition OFF and all vehicle systems OFF, disconnect the harness connector at the A10 Inside Rearview Mirror. It may take up to 2 min for all vehicle systems to power down.
2. Test for less than 10 Ω between the ground circuit terminal 5 and ground.
   - **If 10 Ω or greater**
     1. Ignition OFF.
     2. Test for less than 2 Ω in the ground circuit end to end.
        - If 2 Ω or greater, repair the open/high resistance in the circuit.
        - If less than 2 Ω, repair the open/high resistance in the ground connection.
   - **If less than 10 Ω**
3. Ignition ON.
4. Test for 8.0–10.5 V between the 10 V reference circuit terminal 4 and ground.
   - **If less than 8.0 V**
     1. Ignition OFF, disconnect the harness connector at the K73 Telematics Communication Interface Control Module.
     2. Test for infinite resistance between the 10 V reference circuit and ground.
        - If less than infinite resistance, repair the short to ground on the circuit.
        - If infinite resistance
     3. Test for less than 2 Ω in the 10 V reference circuit end to end.
        - If 2 Ω or greater, repair the open/high resistance in the circuit.
        - If less than 2 Ω, replace the K73 Telematics Communication Interface Control Module.

## Action Taken When the DTC Sets

The HMI Module prevents the Internet Application Auto Start feature

## Conditions for Clearing the DTC

The DTC will clear when the fault is no longer present.

## Diagnostic Aids

This DTC indicates an issue with the Internet Application and not the HMI Module.

## Reference Information

**Description and Operation**

Radio/Audio System Description and Operation

**Connector End View Reference**

Master Electrical Component List

**Electrical Information Reference**

- Circuit Testing
- Connector Repairs
- Testing for Intermittent Conditions and Poor Connections
- Wiring Repairs

**Scan Tool Reference**

Control Module References for scan tool information

## Circuit/System Verification

1. Ignition ON, A11 Radio ON.
2. Verify DTC B126A is not set.
    - **If DTC B126A is set**

      Delete all applications loaded on the radio and reinstall.
    - **If DTC B126A is not set**
3. All OK.