

# Propeller Shaft Package Installation (Colorado ZR2 Instruction ID: 84446753)

## Installation Instructions Part Number

84446753

## Chevrolet Performance-Colorado ZR2 Off Road Racing Drive Shaft Kit

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It is not the intent of these specifications to replace the comprehensive and detailed service practices explained in the GM service manuals. For detailed installation instructions please look to the service manual for your specific vehicle.

GM service manuals are available from: Helm Incorporated PO Box 07130 Detroit, MI 48207

For information about warranty coverage, please contact your local Chevrolet Performance parts dealer.

Observe all safety precautions and warnings in the service manuals when installing this kit in any vehicle. Wear eye protection and appropriate protective clothing. Support the vehicle securely with jack stands when working under or around it. Use only the proper tools. Exercise extreme caution when working with flammable, corrosive, and hazardous liquids and materials. Some procedures require special equipment and skills. If you do not have the appropriate training, expertise, and tools to perform any part of this conversion safely, this work should be done by a professional.

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## Kit Contents

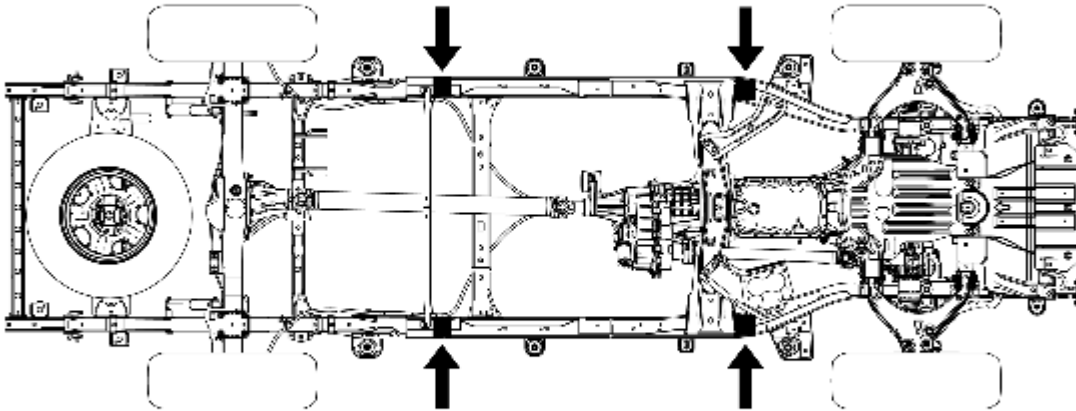
Qty	Description
1	<b>Prop Shaft Assembly</b>
4	<b>Bolt</b>
2	<b>Retainer</b>
1	<b>CHEVROLET PERFORMANCE EMBLEM</b>
1	Installation Instructions

## Warning:

Approved safety glasses and gloves should be worn when performing this procedure to reduce the chance of personal injury.

### **Competition Use / Off Road Use Only disclaimer in the catalog**

- The parts listed in this installation sheet are intended for installation in competition vehicles for operation in Off Road racing applications only. By "competition vehicles," GM means vehicles (i) used exclusively for competitions organized and sanctioned by a local or private body and (ii) not designed for use on public streets or highways. Consumers are strongly advised not to install parts accompanied by this warning on vehicles that will be driven on public roads. They have not been designed or tested for crashworthiness or to meet the safety needs of the motoring public, and they may not meet the full durability requirements that Chevrolet validates for its street legal, production vehicle components.
- US. federal and state, and Canadian law prohibit an automobile manufacturer or dealer from removing, modifying or rendering inoperative any part installed on a motor vehicle in compliance with an applicable Federal Motor Vehicle Safety Standard. Further, US. federal and state, and Canadian law prohibit any person from knowingly removing, modifying, or making inoperative, or causing someone to remove or render inoperative, or otherwise tampering with, any part or element of design installed in compliance with motor vehicle emission standards on a motor vehicle or non-road vehicle, or otherwise modifying any required emission and noise control system.
- Unless specifically noted to the contrary herein, vehicles equipped with Chevrolet Off Road Racing Parts may not meet Federal Motor Vehicle Safety Standards and should not be operated on public roads. Installation or use of these parts on a vehicle operated on public streets or highways is also likely to violate U.S., Canadian, and state and provincial laws and regulations relating to motor vehicle emissions. US. federal and state, and Canadian provincial agencies have the authority to administer substantial monetary penalties against individuals and companies who do not comply with these laws. Chevrolet Performance customers are responsible for ensuring their use of Chevrolet Off Road Racing Parts complies with applicable federal, state/provincial and local laws, regulations and ordinances, and for ensuring that modified vehicles are operated in a manner that complies with applicable laws.
- The use of these components in a GM vehicle may adversely affect the original intended performance or handling characteristics of the vehicle. These parts are designed and intended to be used with experts supervising their installation and use, to help assure the proper and safe operation of the vehicle. Use of certain Chevrolet Off Road Racing Parts may result in the failure of other components or systems, which would not be covered under the New Vehicle Limited Warranty. For Off Road Racing Parts in this catalogue designated with an asterisk (\*), installation of such parts may void part or all of the New Vehicle Limited Warranty; these components are warranted against defects in workmanship or materials for 12 months / unlimited miles for parts only. Otherwise, vehicles do retain their New Vehicle Limited Warranty coverage with Chevrolet Performance components installed by an authorized GM Dealer or qualified Independent Service Center.



**Danger:** To avoid any vehicle damage, serious personal injury or death:

- When major components are removed from the vehicle and the vehicle is supported by a hoist, support the vehicle with jack stands at the opposite end from which the components are being removed and strap the vehicle to the hoist.
- When performing work in the engine compartment or under the vehicle, ensure that the hood is fully open, or opened to its secondary latch. When the hood is opened to the secondary latch, the vehicle will disable the remote start features from the key fob and OnStar mobile app. Failure to open the hood, or open the hood to the secondary latch while doing a repair in the engine compartment or under the vehicle can result in inadvertent vehicle starting which could result in personal injury or damage to a vehicle.

**Danger:** To avoid any vehicle damage, serious personal injury or death, always use the jackstands to support the vehicle when lifting the vehicle with a jack.

**Caution:** Perform the following steps before beginning any vehicle lifting or jacking procedure:

- Remove or secure all of the vehicle contents in order to avoid any shifting or any movement that may occur during the vehicle lifting or jacking procedure.
- The lifting equipment or the jacking equipment weight rating must meet or exceed the weight of the vehicle and any vehicle contents.
- The lifting equipment or the jacking equipment must meet the operational standards of the lifting equipment or jacking equipment manufacturer.
- Perform the vehicle lifting or jacking procedure on a clean, hard, dry, level surface.
- Perform the vehicle lifting or jacking procedure only at the identified lift points. DO NOT allow the lifting equipment or jacking equipment to contact any other vehicle components.

Failure to perform the previous steps could result in damage to the lifting equipment or the jacking equipment, the vehicle, and/or the vehicle contents.

## **Vehicle Lifting**

- Ensure that the lifting equipment meets weight requirements and is in good working order. Always follow the lift manufacturer's instructions.

- You may lift and support the front of the vehicle at the front suspension near the wheel assemblies. Ensure that the arms of the front cradle are extended as close to the steering knuckle as possible.
- Ensure that the vehicle is centered on the hoist before attempting to lift.
- When using a suspension-contact hoist, ensure that the rear cradle has adequate clearance for the rear stabilizer bar.
- When lifting or jacking a vehicle, be certain that the lift pads do not contact the exhaust system, brake pipes, cables, HVAC lines, wiring harnesses, fuel lines, or underbody. Such contact may result in damage or unsatisfactory vehicle performance.
- When using a frame-contact hoist, only place the pads on flat surfaces. Do not place pads within 50 mm (2 in) of any radius.
- Before lifting the vehicle, verify that the vehicle loads are secure and equally distributed.
- When major components are removed from the vehicle when supported on a hoist, support the vehicle with jack stands at the opposite end from which the components are being removed and secure the vehicle frame to the hoist pads nearest the component to be removed.

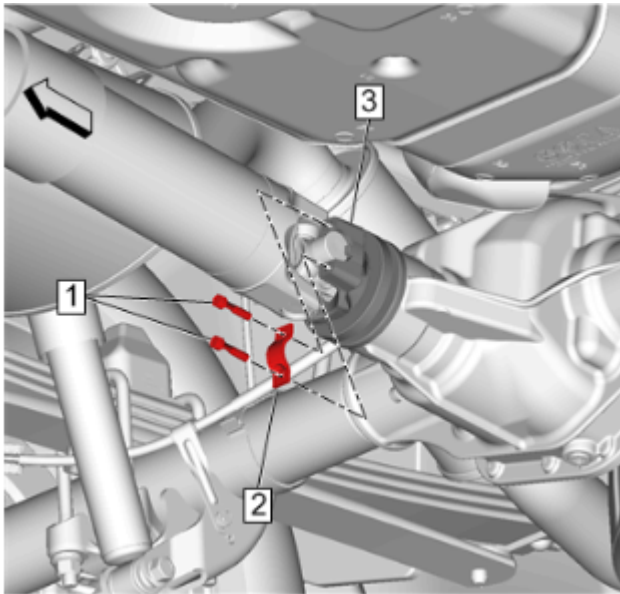
### **Vehicle Jacking**

- Park the vehicle on a clean, hard, level surface before jacking the vehicle.
- Any time you lift the vehicle on one end, chock the wheels at the opposite end.
- Use jack stands in order to provide support.
- When supporting the vehicle using jack stands, place the jack stands under the side rails or the axle.
- When lifting under the rear differential, do not allow the jack pad to contact the rear stabilizer bar or mounting hardware.

### **Production Drive Shaft Removal Procedure**

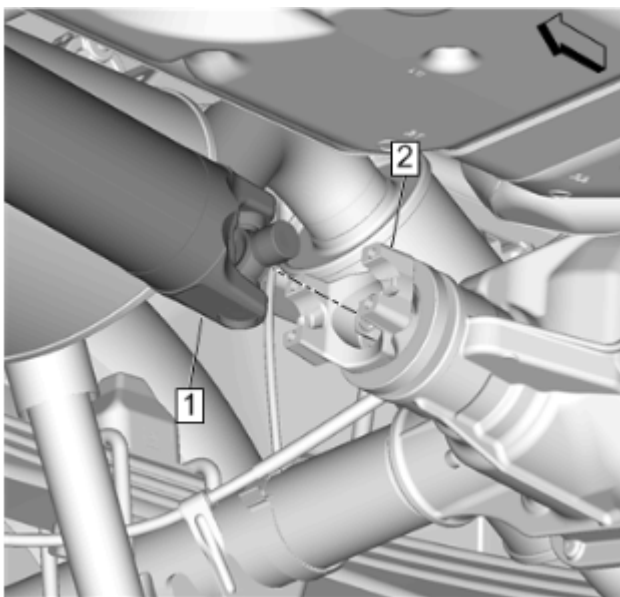
**Note:** Observe and accurately reference mark all driveline components relative to the propeller shaft and axles before disassembly. These components include the propeller shafts, the drive axles, the pinion flanges, the output shafts, etc. All components must be reassembled in the exact relationship to each other as they were when removed. In addition, published specifications and torque values, as well as any measurements made prior to disassembly must be followed.

1. Raise and support the vehicle.
2. Mark a reference point between the propeller shaft and the rear axle pinion yoke.
3. Mark a reference point between the propeller shaft and the transfer case output shaft.



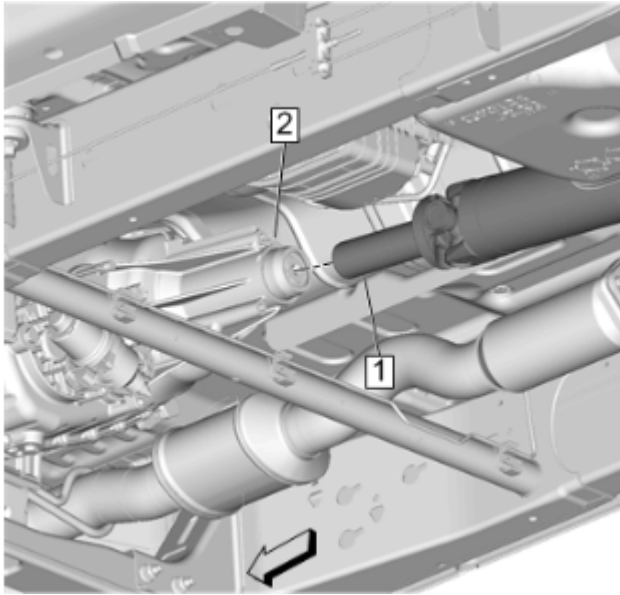
**Note:** DO NOT re-use the propeller shaft retainers. DISCARD and replace with NEW only.

4. Rear Propeller Shaft Bolt (1) » Remove and DISCARD [4x]
5. Rear Propeller Shaft Retainer (2) » Remove and DISCARD [2x]

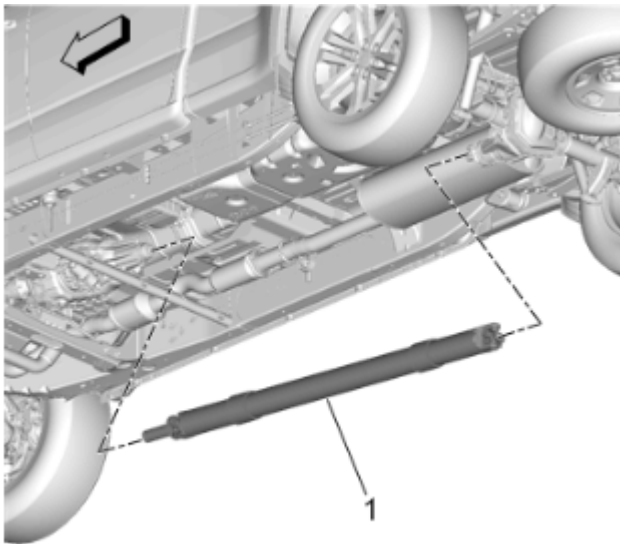


**Caution:** When removing the propeller shaft, do not attempt to remove the shaft by pounding on the yoke ears or using a tool between the yoke and the universal joint. If the propeller shaft is removed by using such means, this may lead to premature failure of the joint.

6. Propeller Shaft (1) @ Rear Axle Pinion Yoke (2) » Separate

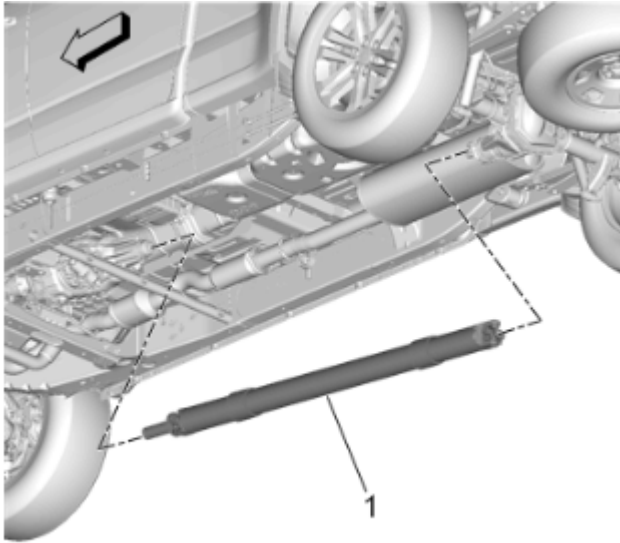


7. Propeller Shaft (1) @ Transfer Case (2) » Separate

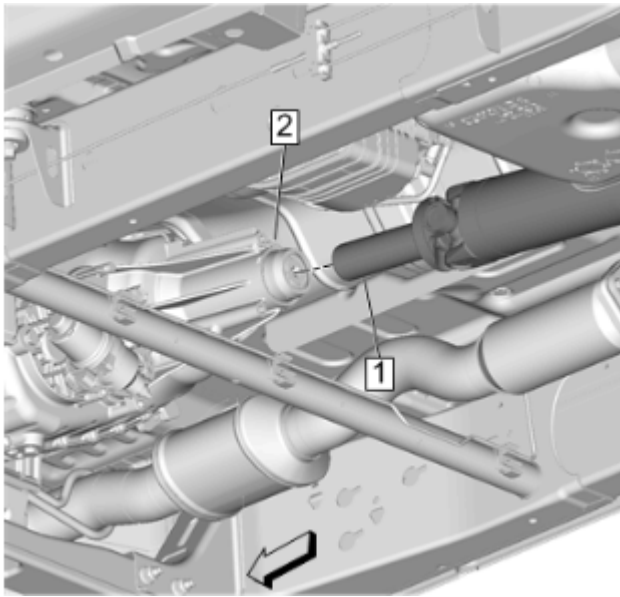


8. Propeller Shaft (1) » Remove

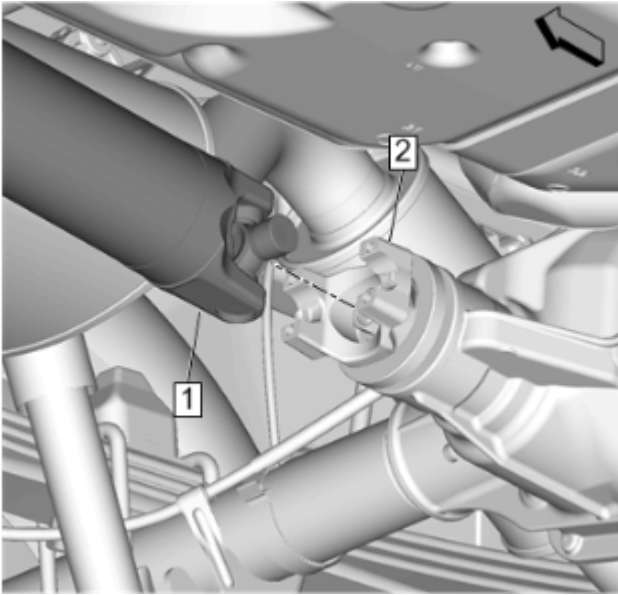
**[Accessory Performance Drive Shaft Installation Procedure](#)**



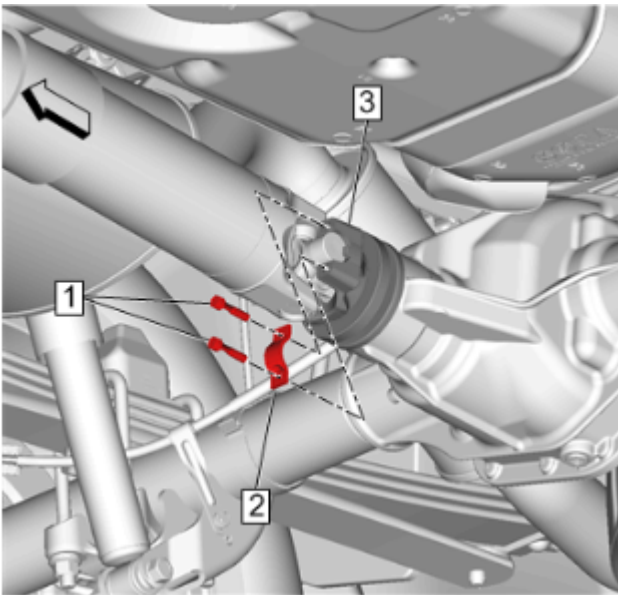
1. Propeller Shaft (1) » Install
2. Align the reference marks made during removal.



3. Propeller Shaft (1) @ Transfer Case (2) » Install



4. Propeller Shaft (1) @ Rear Axle Pinion Yoke (2) » Install



5. Rear Propeller Shaft Retainer (2) » Install NEW [2x]

**Caution:** Refer to [Fastener Caution](#).

6. Rear Propeller Shaft Bolt (1) » Install NEW [4x] **Tighten 25 Y (18 lb ft)**

7. Lower the vehicle.