



1982-2004 GM S10 STEERING SHAFT

P/N 71223021HKR & 71223022HKR
Installation Instructions



Thank you for choosing to use HOOKER™ exhaust components as part of your S10 LS swap project. These components are part of the most comprehensively engineered collection of LS swap mounting components, headers and exhaust systems available for this application. The entire Hooker™ swap system is designed to decrease your total swap installation effort and cost while increasing the engineered quality of your vehicle. These steering shafts were designed to be used with 70201316-RHKR and 70201317-RHKR headers in an LS swap application, but can also be used as a replacement to the stock worn steering shaft.

PRE-INSTALLATION CONSIDERATIONS:

NOTE: The steering wheel must be held in the centered position, not doing so can result in clock spring damage on later year vehicles.

NOTE: It is highly important that these steering shafts are installed by a qualified technician, failing to do so will result in an unsafe vehicle.

NOTE: If installing these with Hooker S10 LS swap headers, you may need to remove header to install.

REMOVAL:

1. Set the steering wheel to the centered position. You may be able to hold it centered with the key off in the locked position.
2. On 1st Gen year models, remove the upper and lower bolts for removal. You may have to pry or lightly tap the shaft off of the gear box and column. On 2nd Gen year models, remove the lower bolt. Pry off the gear box and slide out of the column.
3. At this time, clean the areas that the steering shaft attaches. Applying any type of grease or oil will help the installation of the new steering shaft.

INSTALLATION:

NOTE: All screws and jam nuts are installed loosely and must be torqued to 18 ft./lbs.

1. 1st Gen trucks will have a 2- piece shaft (71223022HKR). Install the upper joint onto the steering column.
2. Using a thread locker comparable to Loctite 242®. Apply to the threads and nut on the upper joint. The long set screw will go through the factory bolt hole in the steering column. The shorter set screw will tighten down against the shaft of the steering column shaft.
3. Torque studs and nuts to 18 ft/lbs. 2nd Gen (71223021HKR) will slide over steering column shaft. Extra grease may be needed to install.
4. After upper is complete, the lower can be attached to the steering gear box. Both 71223022HKR and 71223021HKR will install the same way.
5. Keeping the steering wheel in the centered location, slide the splined joint over the splined shaft on the steering gear box. Make sure the splines fully engage on the steering gear shaft (**Figure A**).



Figure A

6. A seat must be provided for the set screw. The factory flat spot will not be used. Lightly tighten the set screw to mark the location.
7. Remove the steering shaft from the gear box. Using a file, make a flat spot on the steering gear spline where the set screw made its mark (**Figure B**).
8. Once completed, install the lower steering joint and torque the set screw to 18 ft/lbs. using a thread locker as mentioned above.
9. After a short drive time, it is recommended to check the steering shafts for fitment and re-torque the fasteners.



Figure B

LIMITATION OF LIABILITY – DISCLAIMER:

The regulation of emissions production, noise levels, and safety standards is undertaken by the federal government, each of the fifty state legislatures, and by many local municipalities, towns, and counties.

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In this connection, the retail purchaser, the buyer, the ultimate consumer assumes the burden of the entire cost of any and all necessary service, alterations, or repair.

THE FOREGOING STATEMENT LIMITS THE LIABILITY OF THE MANUFACTURER.

California vehicle code, sections 27156 and 38391, prohibits the advertising, offering for sale, or installation of any device, which modifies a vehicle's emission control system, unless exempted, unless otherwise noted. HOKER™ Headers that have not received an Executive Order (E.O.) exemption from these code sections are not legal for sale or use in California on vehicles originally equipped with catalytic converters, except for racing vehicles, which may never be driven upon a highway. Check with your local authorities to determine if these headers are legal for use in your particular area.