

Installation Guide – Solid Steering Shaft – 94-04 Mustang

Detroit Drifting Company LLC – PN DDC-SN95-SSS1 - Rev1 Apr 2024

Thank you for your purchase! We hope you enjoy our solid steering shaft!

Please read and understand these instructions in their entirety BEFORE performing installation. Professional installation is required! If you have any questions regarding this product or its installation, contact us!

1. Safely lift and properly support vehicle.
2. Remove OEM steering shaft from rack all the way up to the last U joint under the dash, along with OEM firewall bearing assembly.
3. Loosely Install the flanged firewall bearing to DDC adapter plate studs using provided nuts, and loosely install the assembly to the firewall using provided nuts. Ensure firewall bearing lock-collar set screws are backed out enough to allow spline shaft to slip through. Orient the bearing set screws to be in the interior of the vehicle.

Note 1: DDC Long shaft runs from the OEM column connection under the dash (DD/splined U-joint), through the firewall bearing into the engine bay. We recommend that this section be installed first.

Note 2: DDC Short shaft or slip joint assembly installs in the engine bay. (If using slip joint, orient the larger portion of the shaft to provide greatest amount of clearance to surrounding components). Triangle shape/splined u-joint connects the short shaft to the steering rack. Spline/Spline u-joint connects the 2 DDC shafts together.

Note 3: Take care to align all u-joints in phase during installation. We recommend making marks on each end of the shafts, using the splines to track alignment. You can use these marks as a point of reference along with the u-joint bearing positions and set screws to track your installation alignment.

4. Ensure the u-joint set screws are properly centered into the machined retaining grooves in shafts before tightening. Fully install entire shaft assembly with hardware slightly loose before finally Tightening all u-joint retaining hardware, followed by the firewall bearing and lock-collar hardware.

Note: If installing slip joint lower shaft, ensure the slip joint set screw is tightened before use. Use a small amount of blue loc-tite or equivalent on the threads. If space permits, use the provided long set screw and locking jam nut.

5. Check for any play/binding/interference with front wheels unloaded and correct before safely setting vehicle back on ground. Test driving vehicle. After test drive, recheck that all components are secure and all hardware is properly torqued.

Installation Guide – Solid Steering Shaft – 94-04 Mustang

Detroit Drifting Company LLC – PN DDC-SN95-SSS1 - Rev1 Apr 2024

Care, use, maintenance, and supplemental installation notes:

1. Steering shaft kits are shipped disassembled. Please assemble carefully, paying close attention to u-joint phasing. All joints should be in phase (inline) with each other for best performance. If you are unsure of what u-joint phasing is, a quick internet search will explain in further detail, or feel free to give us a call!
2. Steering shafts are splined. The splined interfaces are very precise. Take care in handling shafts such that the splines do not become nicked/burred/deformed. If such issues happen that prevent assembly, you may be able to correct issues by lightly hand filing these features.
3. After installation of steering shafts, ensure that there is no contact or interference between shaft assembly and other components (exhaust manifold, frame, etc.), binding, or play in the steering shaft system. This should be done by turning the steering wheel from lock to lock with front wheels safely unloaded, engine off.
4. Steering shafts require periodic maintenance and inspection. Shafts are produced with a coating called black oxide. This coating requires maintenance! Depending on usage and environment, users should periodically oil steering shaft components using oil (gear oil, ATF, pb blaster, wd40, etc.) to inhibit corrosion. Try to apply the oil heavy and allow it to soak in. Lightly wipe away any excess oil. Use care not to get oil on any critical engine components (exhaust). When in doubt, remove the component from the vehicle to perform this service. DDC can service, inspect, and/or re-coat your shafts for a nominal fee. Contact us for more information.
5. Complete removal and inspection of steering shafts should be performed at least once a year. Check for any bending or twisting of the shafts, play in u-joints, and play in entire assembly. More frequent checks for hardware tightness and visual inspections should be performed before any track day as part of your usual nut/bolt check routine. Call us if you have any questions.

Parts List:

1. (1) DD-Spline U-Joint (OEM steering column to DDC LONG spline shaft)
2. (1) Spline-Spline U-Joint (DDC LONG shaft to DDC SHORT shaft (or slip joint))
3. (1) Spline-Ford Triangle Steering rack U-joint (connects short shaft or slip joint to Ford power steering rack)
4. (1) Long Splined shaft (installs in interior)
5. (1) Short splined shaft (or slip joint) (installs in engine bay)
6. (1) Firewall bearing adapter plate
7. (4) M6 Nuts
8. (1) Flanged Bearing

Installation Guide – Solid Steering Shaft – 94-04 Mustang

Detroit Drifting Company LLC – PN DDC-SN95-SSS1 - Rev1 Apr 2024

Warranty/Disclaimer:

Detroit Drifting Company LLC warrants that its products will be free from defects in material and workmanship for one year from the date of sale to the original purchaser. Detroit Drifting Company LLC provides no other warranties, whether expressed or implied. Detroit Drifting Company LLC shall not have any obligations under the preceding warranty in cases where the defect results from improper or abnormal use, the negligence of the user, a vehicle accident, improper or incorrect installation or maintenance, or if the product has been repaired or altered in any manner. In cases involving defective products covered by this warranty, Detroit Drifting Company LLC's liability is limited to repairing or replacing the defective products at its discretion.

Users/purchasers are advised to understand and acknowledge that products purchased from Detroit Drifting Company LLC are specialized aftermarket motorsports upgrade components, and are not to be used on public roads or motorways. Specialized racing equipment and all parts and services sold by Detroit Drifting Company LLC are exposed to various conditions due to their installation and use, and as such, Detroit Drifting Company LLC holds no liability for any loss, damage, or injury or death to users or other individuals or property resulting from the installation, direct or indirect use of Detroit Drifting Company LLC products, or the inability of the buyer/user to determine the proper use or application of Detroit Drifting Company LLC products. Apart from the limited liability warranty mentioned above, Detroit Drifting Company LLC is not responsible for any claims, demands, injuries, damages, actions, or causes of action arising from the use of its products. Motorsports are inherently dangerous, and no warranty or representation is made regarding the product's ability to protect the user from injury or death. The user assumes all associated risks by installing and using Detroit Drifting Company LLC products.