

Installation Instructions for 60786 & 60787 79-93 Mustang Rack & Pinion Kit

Rack & Pinion Installation Instructions:

REMOVE STOCK STEERING RACK & PINION

1. Center front wheels & steering wheel, making sure the wheels don't move from this position.
2. Turn ignition off **(AIR BAGS CAN BE DEPLOYED IF CAR IGNITION IS ON)**.
3. Take measurements of the stock rack in relation to some reference point on the chassis. We suggest measuring the distance from each outer tie-rod end grease fitting to the closest control arm bolt on the frame. This procedure will help you position the new rack in approximately the same location as the original rack, a wheel alignment is suggested upon completion.
4. Remove outer tie rod ends from the steering arms.
5. Unbolt steering coupler from the rack & pinion & remove the rack mounting bolts.
6. Unbolt steering shaft from the steering column, and remove.

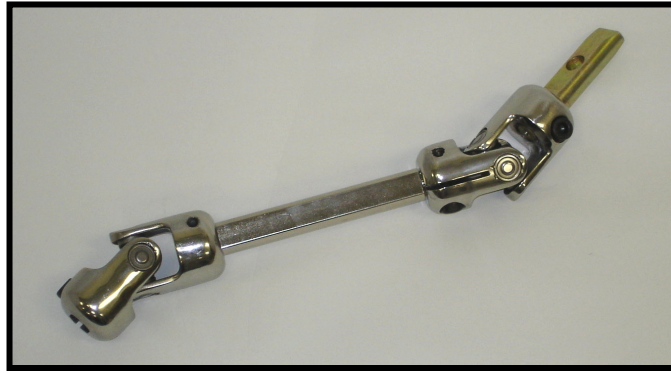
NEW RACK & PINION INSTALLATION

1. **Center new rack and pinion.** Turn rack all the way to one side and place that side against a stationary object. Making sure the housing does not move. Turn the rack back all the way to the other side. Measure the gap between the stationary object and the end of the rack. Turn the rack back half the distance. We suggest you make a mark on the pinion and the housing, in case the rack moves during installation.
2. Connect new steering shaft to the steering column.
3. Remove inner sleeves of the factory mounting bushings if using new bushings.
4. Install bushing sleeve into one half of a new mounting bushing, and insert into the rack mount hole on the drivers side. (looking at from the front) Insert the second half of the bushing into the mounting hole and onto the bushing sleeve.
5. Install the passenger side mounting bushing the same.
6. Insert rack & pinion shaft into steering shaft (The steering column has some adjustment and may have to be pushed up or pulled down to mate with rack & pinion) and bolt.
7. Install rack and pinion onto the cross member re-using the OE hardware and new bushings. Tighten mounting bolts.
8. Install outer tie rod ends. Screw each tie rod end referring back to earlier measurement taken from the original rack.
9. Reinstall outer tie rod ends into the steering arms.



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Steering Shaft Installation Instructions:

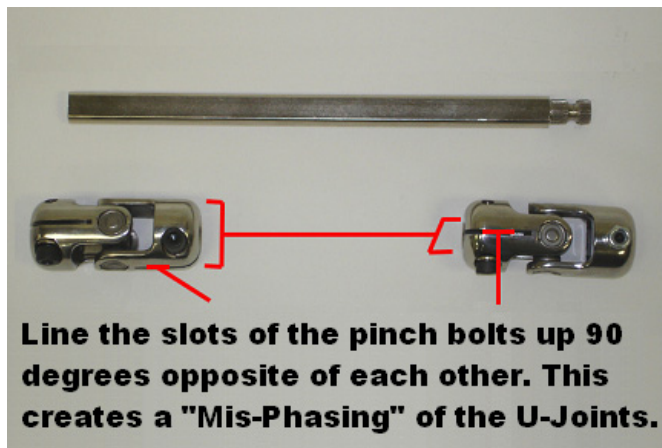


REMOVE STOCK STEERING SHAFT

1. Center front wheels and lock steering wheel. Turn ignition off (**AIR BAGS CAN ACCIDENTALLY BE DEPLOYED IF IGNITION IS LEFT ON**).
2. Unbolt stock steering shaft from the steering column, and rack and pinion. Push the steering shaft up toward the firewall until the lower steering coupler comes off the rack and pinion. If the shaft is corroded and won't come free, remove the rack and pinion assembly from the frame and then remove shaft.

INSTALLING THE SHAFT

1. The new shaft requires some assembly and adjustment according to the column to rack and pinion relationship.
2. Install the lower U-joint on the rack and pinion. Position the u-joint so the bolt hole lines up with the notch on the pinion shaft. Install the 3/4" DD end of the shaft into the upper yoke of this U-Joint. The splined end of the shaft will point up towards the column.
3. Install column insert into steering column tube, line up the hole on the insert with the column tube's holes and install the column bolt.
4. Install the upper U-joint onto the shaft, so that the U-joints are 90° out of phase. (see diagram below) to prevent binding. This is called "MIS-PHASING".



5. Now install the upper U-joint onto the column insert and install U-Joint.
6. The column tube is adjustable and may have to be pulled down or pushed up in order to line up the lower U-joint bolt hole and the pinion notch, install U-joint pinch bolt and lock washer.
7. Tighten all U-joint pinch bolts.