

# Spohn Performance, Inc.

494 E Lincoln Ave Myerstown, PA 17067

1-888-365-6064 www.spohn.net

## Pinto Manual Steering Rack Kit

1993-2002 GM F-Body

### USE OF THIS PRODUCT IS ACCEPTANCE OF SELLER'S DISCLAIMER OF WARRANTY!

By their very nature, competition components are constantly pushed to their limits. While our components are designed to withstand intense race conditions, it is impossible to control the quality of installation or the varying conditions in which they are used. It is for this reason that absolutely no warranty or guarantee is either written or implied. Neither the seller or the manufacturer will be liable for any loss, damage, or injury – direct or indirect – arising from the use of or inability to determine the use of any product. Before using, the user should determine the suitability of the product for its intended use, and the user shall assume all responsibility in connection therewith. Spohn Performance, Inc. makes no guarantee as to the legality for any specific class. Spohn Performance, Inc. makes no claims, nor does it intend its products to be used in street driven vehicles. Spohn Performance, Inc. reserves the right to make changes in design or add to or improve on their product without incurring any obligation to install the same on product previously manufactured. The Buyer agrees to indemnify and hold Spohn Performance, Inc. harmless from any claim, action or demand arising out of or incident to the Buyer's installation or use of products purchased from Spohn Performance, Inc.

**Notice: Disconnect the vehicle's battery before performing any welding!**

### INSTRUCTIONS

1. Lift car on jack stands and remove front tires
2. Remove 11mm bolt on steering column at firewall
3. Remove 11mm bolt at rack to steering shaft
4. Remove cotter pins from tie rod ends then remove the 15mm nuts
5. Separate the tie rods from the steering knuckle
6. Remove the power steering lines from the factory rack. You can remove the power steering pump.
7. Remove the two bolts from the k-member that hold the rack in place.
8. Install the Spohn manual rack using the factory bolts on the k-member mounts.

**If you have a Spohn k-member with #704-MRM mount installed, skip to #10.**

9. If you have the factory k-member or an aftermarket k-member with factory rack mounts you will next need to bolt the ¼" plate to the driver's side end of the manual rack. Using the supplied gussets, weld the plate to your k-member. If you have the factory k-member, you will need to extend the clearance notch in the k-member towards the passenger's side to properly clear the manual rack. If you have an aftermarket k-member other than Spohn, you may need to modify or make your own gussets to weld the plate fast. The parts we sent are universal. **Warning:** The mounting plate must be welded on, do not use this rack with just the two factory mounts!
10. Install the bump-steer kit from the bottom of the spindle.

11. **1993-1997 Cars:** Take the factory steering shaft to a vise and clamp the shaft where it slides in to the factory column. Hit the bottom rag joint with a hammer. The shaft should come apart in the middle. Reinstall the top section back in to the car's column. The new Spohn shaft will slide in to the factory upper shaft. Attach the bottom of the shaft to the Spohn rack. On some cars you may need to shorten the Spohn shaft due to different k-member designs.
12. **1998-2002 Cars:** Use needle nose pliers to remove the spring clip from the factory column. Install the new Spohn steering shaft in to the column. Attach the bottom of the shaft to the Spohn rack. Drill a 3/8" hole through the Spohn shaft and install the factory bolt.
13. **Get a front end alignment**