

# Installation Instructions

## SUPERIDE OMNI POWER RACK & PINION UPGRADE

*Please read these instructions completely **BEFORE** starting your installation!*

Your *HEIDTS* Hot Rod Shop Power Rack & Pinion contains the following items:

- 1) Power Rack & Pinion
- 2) Tie Rod Ends
- 1) Fitting Kit
- 1) Rack Mount Brackets

The rack & pinion supplied is a 1975-1980 Dodge Omni unit. This rack can be used on any of our SUPERIDE Suspension Systems. This power rack has a 3/4-36 spline input shaft and uses the same tie rod ends as the manual rack. The high pressure fitting is the 18mm threaded port which is toward the rear of the rack, closest to the pinion input shaft, and the return line fitting is 16mm threaded port that is at the front. **WARNING!** Please note that on this rack port sizes are *opposite* of other racks. On the Mustang II and other racks the 14mm port is the pressure and the 5/8-18 port is the return. Care must be taken that the hoses are hooked up correctly, since the braided hose adapters supplied with most hook-up kits convert both ports to a -6 hose size. If the hoses are incorrectly installed, the internal pressure will blow out the seals under the boots and cause leaking. Incorrect hose installation will void the warranty, as the rack and pinion units are pressure tested at the rebuilder's plant. **NOTE:** A pressure proportioning valve such as the *HEIDTS Adjustable Proportioning Valve, PS-101*, will also be required. Since these cars are so light on the front end the steering will be too easy and it will be hard to drive the car in a straight line. The Valve reduces the pressure to the rack to tighten up the steering and give it a good drivable feel.

