

## RACK AND PINION BOLT IN KIT



These instructions are to assist you in installing the RetroRack bolt in kit into your vehicle. RetroRack power steering kits are designed to bolt into the original mounting points on your chassis from your original steering set up.

We have used a HQ - WB front end kit for demonstration purposes but the installation process is similar for most vehicles.

### STEP 1



Remove the original steering components such as the steering box, drag link, idler arm and tie rod ends. The RetroRack Bolt in Kit utilises the original mounting points in your chassis.

### STEP 2



Lift the RetroRack Rack that is mounted to the Black bracket into place and insert the bracket bolts from the kit into the original steering mounting holes in your chassis.

## STEP 3



Install the steering arms without the rubber boots to the Rack and pinions draglink by screwing it on, install both arms one on each side of the drag link.

## STEP 4



Lubricate the inside of the rubber boots for the steering arms using WD40 or similar. This is required to prevent rubber tearing if removal is required for wheel alignment.

## STEP 5



Install the lubricated rubber boots over the steering arms.

## STEP 6



Screw on the Tie Rod Ends supplied in the kit, there will be a lock nut on the steering arm to lock in the Tie Rod End.

## STEP 7



Place the tie rod end into the steering arm and put the locking nut on. Repeat for the other steering arm.

## STEP 8



Using an allen key and a spanner tighten up the locking nut on the tie rod ends.



## STEP 9



Install the Universal Joint onto the rack and pinion splined shaft.

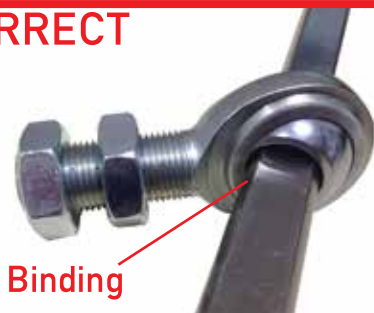
## STEP 10



Install the support bearing bracket to the upper control arm. Connect to steering shaft, additional universal joint, and steering column depending on your application.

### STEERING SHAFT SUPPORT BEARING

**INCORRECT**



Binding

**CORRECT**



Centralised

Make sure the Support bearing is not binding on the steering shaft. The support bearing nuts should not be done up so the support bearing is pulling on the shaft, the shaft should be centralised in all directions.

RetroRack recommends that installation work be done by a licensed mechanic. Once the RetroRack bolt in kit is installed a wheel alignment will be required. While some of our kits work with original steering columns we recommend that no modification be performed to your original steering columns and if required you use an aftermarket approved steering column.

Contact us if you require a steering column for your application or if you have any questions.

## RETRORACK CONTACT INFORMATION

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