

Steering Rack Bush

1. Support vehicle and disconnect tie rod ends and steering pinion shaft. It is recommended that the rack be removed but in some applications, it is possible to replace the bush with the rack remaining on the vehicle.
2. Remove rack boot from left hand end, locate and drill out lock pin which will then permit the ball socket to be removed together with the tie rod assembly. Remove the locking ring by unscrewing the shaft.
3. Remove pinion end cover and slide pinion gear and shaft forward until teeth disengage from teeth in cross shaft. Take note of alignment of the pinion gear teeth to those on the cross shaft. Failure to do so will upset the flasher canceling, steering lock mechanism and steering wheel alignment.
4. With the pinion forward, slide the cross shaft to the right until the original support bush is fully exposed. Using several small screwdrivers it is possible to disengage the bush from the housing. Withdraw bush using long nose pliers.
5. Insert the new bush into the housing with tags facing outwards. A socket of the correct size can be used to the bush into the rack housing until the tags locate in the recess of the housing.
6. Lubricate bore of the bush and slide the cross-shaft back through the new bush. Align teeth from the pinion and cross-shaft and reassemble the pinion shaft.
7. Refit the tie rod, ball socket and lock ring and set pre-load as specified in the workshop manual. Drill hole between lock ring and ball socket and fit new lock pin supplied in the kit. Fit boot and fill rack with oil as specified by the manufacturer.
8. Reassemble and carry out wheel alignment according to the workshop manual.

This procedure must be carried out by a qualified person