

Figure A.

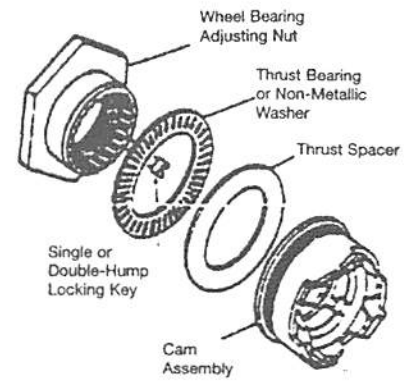


Figure C.

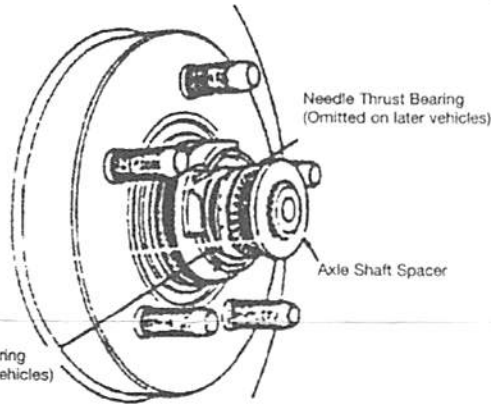


Figure B.

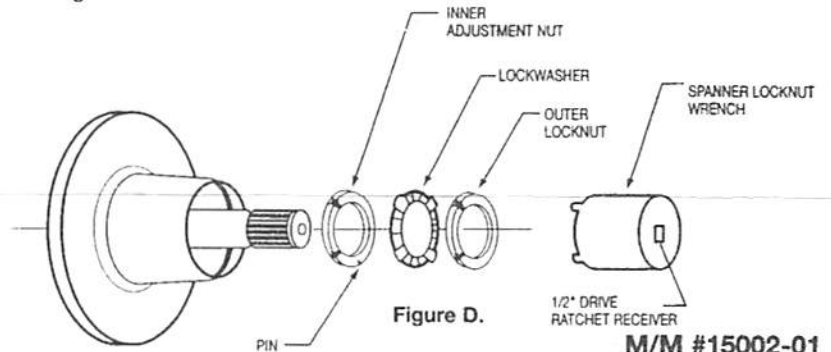


Figure D.

M/M #15002-01

INSTALLATION INSTRUCTIONS Ford Bronco II, Ranger & Explorer 1983 and later

For replacement of Manual Hubs go to step 1.

For replacement of Automatic Hubs to Manual Lock-Out Hubs, you will need to replace the Wheel Bearing Adjusting Nuts. The following MileMarker Conversion Kits must be purchased OR your local Ford Dealer can supply the adjusting nuts and washers for use with Manual Lock-Out Hubs.

Bronco II, Ranger 83-89 Part No. 427 MileMarker Part Number 95-27988

Explorer 90-94, Ranger 90-97 Part No. 428 MileMarker Part Number 95-27997

Refer to Figure A.

1. Remove the Tinnerman Clips that are securing the Lock-Out Hub Assembly to the Wheel Studs.
Save the Tinnerman Clips as they will be needed later. Remove the Lock-Out Hub Assembly from the hub and rotor assembly.
If you are replacing Manual Lock-Out Hubs, go to Step 7.

Refer to Figure B.

2. Remove the Axle Shaft Ring, Axle Shaft Spacer (splined), (on earlier models the Needle Thrust Bearing), and Bearing Spacer from the Axle.

Refer to Figure C.

3. Remove the Cam Assembly, Thrust Spacer and Thrust Bearing or Thrust Washers from the Wheel Bearing Adjusting Nut.

Refer to Figure C.

4. Remove the single or double Hump Locking Key from the Wheel Bearing Adjusting Nut.
Make sure the Adjusting Nut is not binding against the Locking Key (if it is, removal of the Locking Key will be difficult).
A magnet or small pick could be helpful in removing the Locking Key. After the Locking Key has been removed, the Adjusting Nut can be removed from the Wheel Spindle. Please note that on some early vehicles the Locking Key is part of the Camming Assembly. If your vehicle falls into this group, the Adjusting Nut can be removed after the Camming Assembly has been removed.

Refer to Figure D.

5. Install the Inner Adjusting Nut (nut with pin) and torque to 35 ft. lbs. Back the Adjusting Nut off 90 degrees and re-torque the Adjusting Nut to 16 in. lbs. Install the Bearing Retainer Washer against the Adjusting Nut. Make sure the holds in the Bearing Retainer Washer line up with the pin on the Inner Adjusting Nut. Install the Outer Bearing Adjusting Nut and torque to 150 ft. lbs.
6. Replace the components previously removed at Step 2, making sure that the Retaining Ring is seated in its groove.
7. Install the Manual Lock-Out Hub Assembly up against the Hub/Rotor Assembly.
8. Attach the Tinnerman Clips on the Wheel Studs and press them firmly against the Manual Lock-Out Hub Assembly.
9. Install the wheel and tire and torque the lug nuts to 85-135 ft. lbs.

MILE MARKER/SELECTRO HUBS CONVERSION KITS LIMITED WARRANTY

Mile Marker, Inc. (M/M-Selectro) warrants directly to the first purchaser of each M/M-Selectro locking hub that the M/M-Selectro locking hub will be free from defects in material and workmanship appearing under normal use and service for as long as said purchaser owns the locking hub. This warranty extends only to the first purchaser. If you discover a covered defect, M/M will, at its option, repair, replace hub parts at no charge to you, provided you remove the hub from the vehicle and return it prepaid to Mile Marker, Inc. Please attach your name, address, phone number and a detailed description of problem relating to malfunction and a copy of a bill of sale, bearing the appropriate M/M serial numbers as warranty service. **To obtain any warranty coverage it is absolutely necessary that you present proof of purchase acceptable to M/M, such as a copy of the purchase receipt.**

Conversion kits warranty for 90 days only. 427, 428, 95-37044 and classic hubs warranty one (1) year only. This warranty applies only to locking hubs manufactured by M/M, which can be identified by the M/M-Selectro trademark, trade name, or logo affixed to them. M/M does not warranty any products that are not M/M products. This warranty does not apply if the product has been damaged by accident, abuse, misuse, collision, overloading, failure of inner or outer bearings, bent wheel or rim, or improperly serviced front axle, misapplication, over lubricating, lack of Loc-tite on cap screws, improperly installed, or has been improperly used, has been improperly serviced or has been modified without the written permission of M/M. This warranty does not apply if any M/M serial number or identification has been removed or defaced. The finish on the product is excluded from this warranty. In addition, commercial or industrial use or applications of the product without the written approval of M/M voids the entire warranty.

Except as expressly stated herein, there are no warranties, expressed or implied including implied warranties of merchantability and fitness for a particular purpose which by law may not be excluded is limited in duration to one (1) year from the date of original retail purchase of this product.

The warranty and remedies set forth above are exclusive and in lieu of all others, oral or written, expressed or implied. No M/M dealer, agent or employee is authorized to make any modification, extension or addition to this warranty.

In no event is M/M responsible for special, incidental or consequential damages resulting from any breach of warranty, or profits, down time, good will, damage to or replacement of equipment and property, loss of use of the product or any associated equipment, or cost of substituted product.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. The warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.