SUSPENSION BUSHING SERVICE TOOL

Labor Saver – Tool removes worn-out bushings and installs new bushings with only minimal dis-assembly of the suspension.

Lower Maintenance Cost – It is no longer necessary to do complete tear-downs when replacing bushings. The Bushing Service Tool is easy to use and requires only a readily available socket and air impact or hand wrench.

A single Bushing Service Tool fits the following Holland suspensions:

- **NS, RL, and RLU Series Trailer Suspensions**
- **AD and ADL Series Truck Suspensions (except Axle Adapter Pivot Bushings on AD-126/252/378/ and AD-130/260/390 Suspensions)**
- **ART and NL Series Auxiliary Suspensions**
- **ER-2250 Trailer Rubber Ride Suspensions**

Order Part No. **505 44 012** from your authorized Holland distributor.

REDUCES DOWN TIME!

REPLACES PIVOT & AXLE CONNECTION BUSHINGS IN HOLLAND SUSPENSIONS

BUSHING SERVICE TOOL INSTRUCTIONS

Refer to Figure 1 for parts identification

1. Installation requires the use of an air impact or hand wrench capable of producing a minimum torque of 200 foot-pounds and a 1-13/16″ heavy duty socket.
2. Support unladen vehicle frame with adequate jacks and bleed all air from the air suspension system, either by dumping air, exhausting at the height control valve or disconnecting all the lines.

   ⚠WARNING **Always use jack stands of sufficient strength and position them according to OEM recommendations. Failure to do so may cause the vehicle to fall, resulting in vehicle damage and/or personal injury.**
3. Place jack under equalizing beam. Remove pivot bolts from both frame brackets and beams to gain access to bushings (pull both beams down if necessary).
4. **NOTE:** Drive Adapter Plate (**Item 1**) **must** be used at all times (***Figure 1***). Select proper bushing adapter (**Items 2 or 3**). **NOTE:** Bushing adapter is not required when replacing 3-7/8″ (O.D.) axle connection bushing. Bushing adapter (***Item 2***) part no. **500 01 005** (3.56 I.D.) is for 3-3/8″ and 3-1/2″ O.D. bushings. Bushing adapter (**Item 3**) part no. **500 01 004** (2.56 I.D.) is for 2-3/8″ and 2-1/2″ O.D. bushings. Insert a bushing adapter into the receiver tube assembly (**Item 4**) and secure in position with set screw (**Item 5**).
5. Position steel sleeve (**Item 9**) on threaded rod (**Item 6**) (***Figure 2***).
6. Referring to ***Figure 1***, it is important to lubricate threads on 1-1/8″ diameter threaded rod (**Item 6**) each time used with a light coating of a silicone based lubrication compound such as "Sil-Glyde" (**Item 7**).

   IMPORTANT: Other lubricants will cause thread failures and ruin tool.

Figure 1

7. Insert threaded rod thru bushing to be removed and thread into receiver tube assembly (**Item 4**).
8. Using proper wrench as indicated in **Step 1**, apply torque to drive nut (***Figure 1,*** **Item 8**). Screw threaded rod into the receiver tube assembly until the old bushing is forced from the beam.

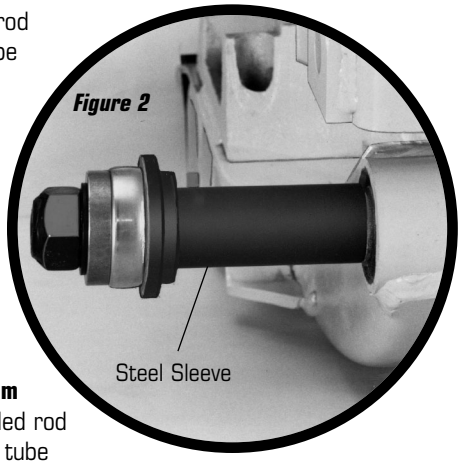

Figure 2

9. Remove threaded rod from receiver tube assembly.
10. Clean out pieces of old bushing and any foreign material left in beam receptacle.
11. Position new rubber bushing on threaded rod and lubricate with a silicone lubricant (***Figure 3***).

    IMPORTANT: DO NOT use an oil base lubricant or brake fluid.

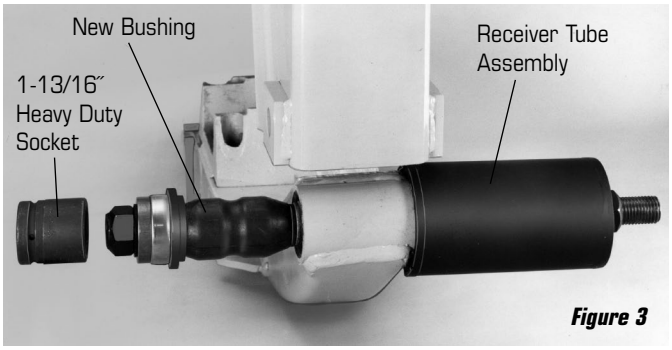

Figure 3

12. Thread rod into receiver tube assembly (***Figure 3***). Using proper wrench as indicated in **Step 1**, apply torque to drive nut and force new rubber bushing into beam receptacle. New bushing **must** be centered in bushing receptacle after force has been removed.
13. Remove the threaded rod from the new bushing and re-assemble the suspension.
14. Make sure all connections have been re-torqued to the proper specification. Refer to appropriate suspension maintenance manual for proper torque procedures and specifications.
15. Remove trailer from jack stands.

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