

Bush Replacement Tool

Procedure for replacing the pivot bush with SAF-HOLLAND Australia Bush Replacement Tool

IMPORTANT: The pivot bushes must always be replaced in pairs on an axle. Always remove and replace one pivot bush before beginning of replacing the another (always have one as a reference point for adjusting the spring centres distance).

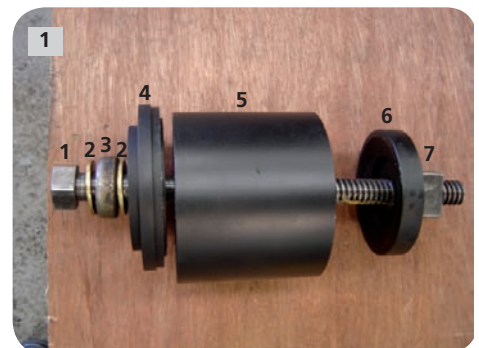
Prior to replacing the pivot bush, perform the following steps:

1. Prevent the trailer from moving
2. Bleed the air from the air suspension system
3. Place jacks under the trailing arm
4. Remove the adjustable pivot bolt
5. Remove the shock absorber from the trailing arm
6. Lower the axle

Removal

1. The pivot bush removal tool consists of:

- threaded rod – WS 1-3/4" (1)
- two thrust washers (2)
- thrust bearing (3)
- cover plate (4)
- receiver tube (5)
- push plate (6)
- drive nut – 2" (7)



2. Before removal, lubricate the thrust bearing, threads on the threaded rod and drive nut with general purpose grease.



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3. Installation in the trailing arm:

- make sure that the thrust bearing is between thrust washers and rotate freely
- pivot bush receptacle sitting square into receiver tube groove
- push plate is centred and sitting firmly against the pivot bush
- drive nut is hand-tight and holding the assembly on the trailing arm (minor adjustments might be needed)



4. Removal:

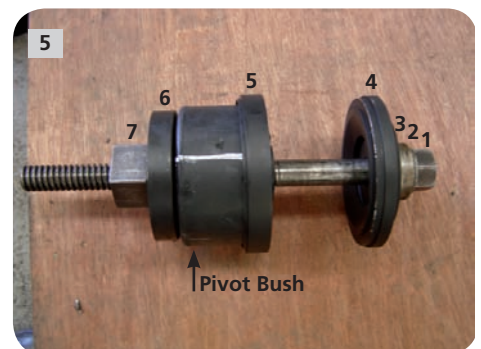
- hold the driving nut with 2" spanner
 - start pulling the pivot bush by turning the threaded rod
- NOTE: DO NOT USE IMPACT WRENCH**
- turn the threaded rod until the pivot bush is completely drawn into the receiver tube
 - disassemble the removal tool from the trailing arm



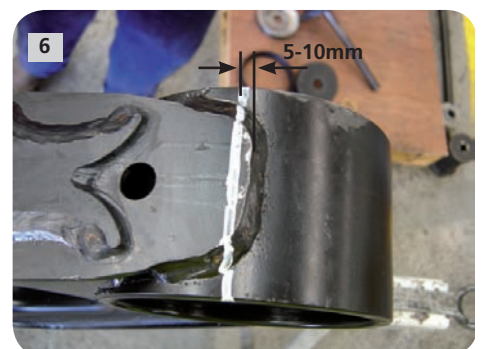
Installation

5. The pivot bush installation tool consists of:

- threaded rod – WS 1-3/4" (1)
- two thrust washers (2)
- thrust bearing (3)
- cover plate (4)
- conical ring (5)
- push plate (6)
- drive nut – 2" (7)



- ### 6. Before the installation, mark the line over the top of the pivot bush receptacle (5-10mm from the trailing arm top plate edge)
- Mark the pivot bush with a line over the orientation index "TOP"



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7. While installing take care that the two marking lines are aligned
8. Before the installing, lubricate the pivot bush, conical ring and trailing arm receptacle inner surface with SAF-HOLLAND recommended fitting paste P-80.
NOTE: DO NOT USE GREASE OR OIL
9. Installation to the trailing arm:
 - make sure that the thrust bearing is between thrust washers and rotate freely
 - conical ring groove is sitting square to the pivot bush receptacle (smaller diameter of the taper is toward the trailing arm)
 - push plate is centred and sitting firmly against the pivot bush
 - drive nut is hand-tight and holding the assembly
 - turn the threaded rod with a wrench and force the pivot bush into receptacle until the pivot bush makes contact with cover plate**NOTE: DO NOT USE IMPACT WRENCH**
10. Check the distance between pivot bushes to match the spring centre distance (e.g. case shown on the picture is 940mm)
 - Check the proper orientation of the pivot bush (two marking lines are aligned)
 - If the replacement pivot bush is not installed correctly, remove it and reinstall



IMPORTANT: After the pivot bush replacement, ensure that all components are assembled and installed correctly. All bolts must be on the recommended torque settings. Ensure that the correct air pressure is in the air suspension system and check the ride height. Check the axle alignment and tighten the pivot bolt as per SAF-HOLLAND recommendations.