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## S-10 5-Speed Manual Shift Lever Adapter Installation Instructions

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### General Installation Notes:

Please read instructions completely before beginning installation. If you have any questions please call.

Before starting installation, scotch vehicle tires to avoid accidental movement of the vehicle. Disconnect negative battery cable before beginning installation.

**This Lokar Shift Lever Adapter requires the use of a Lokar Tremec/Borg Warner T5 shift lever.**

**Step 1:** If the transmission is an NV1500, place the transmission into either 3rd or 4th gear. If the transmission is an NV3500, place the transmission into Neutral.

**Step 2:** Unscrew the existing upper shift lever and knob. Remove the shifter boot and rubber floor seal (if applicable). This will expose the shift tower and base mounting screws. **Fig. 1**

**Step 3:** Remove the four (4) base mounting screws from the shift tower. Lift the shift tower with the original threaded shift lever off of the transmission. **Fig. 2**

**Step 4:** Pry up the rubber boot that is on top of the shift tower using a flat tipped screwdriver, and remove the four (4) Torx head screws from the top of the shift tower. **Fig. 3** Pull the original threaded shift lever up and out of the tower. The rubber boot, retention plate, shims, pivot ball, and the synthetic swivel cup will also come off attached to the lever. **Fig. 4**

There are two types of pivot balls, steel and synthetic. If your pivot ball is steel, remove the synthetic caps from each end of the pivot pin. If your pivot ball is synthetic, the caps are molded as part of the pivot ball. **Fig. 5**

**Step 5:** Remove the rubber boot, retention plate, and shims from the original threaded shift lever and set aside for re-use with the new Lokar Shift Lever Adapter. Remove the synthetic swivel cup from the bottom of the original threaded shift lever by using your thumbs to pop it off.

**Step 6:** Push the pivot pin out of the center of the pivot ball using a press or a hammer and a drift punch. **Fig. 6** A synthetic pivot ball will need to be supported to prevent it from breaking while pressing the pivot pin out. Slide the pivot ball off of the original threaded shift lever.

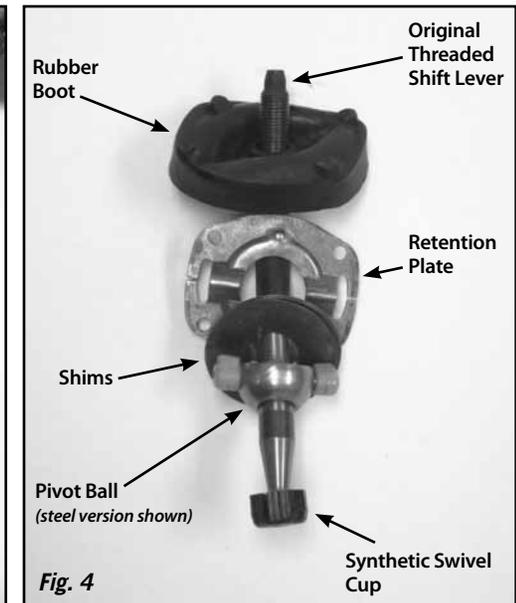
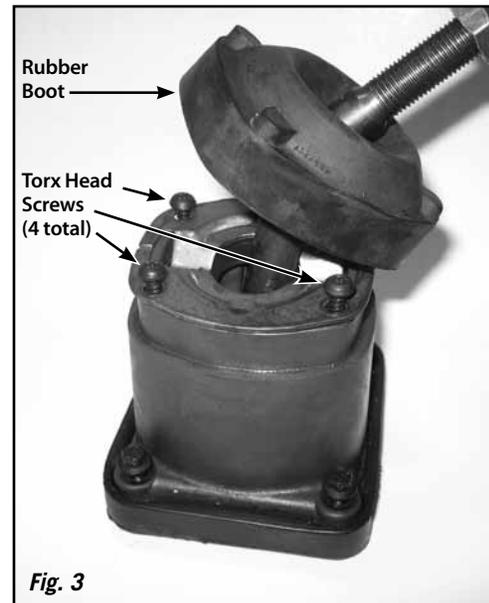
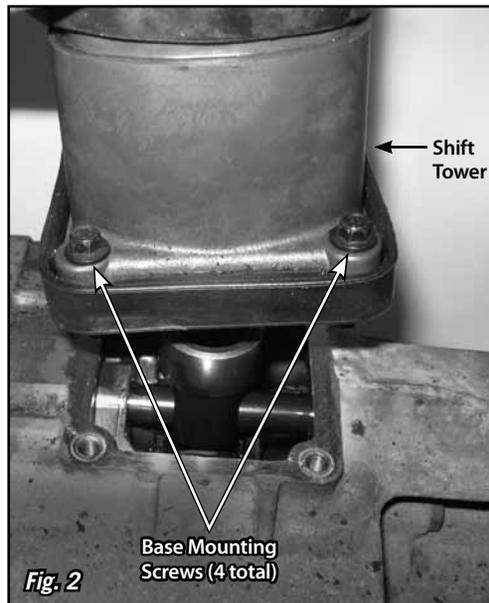
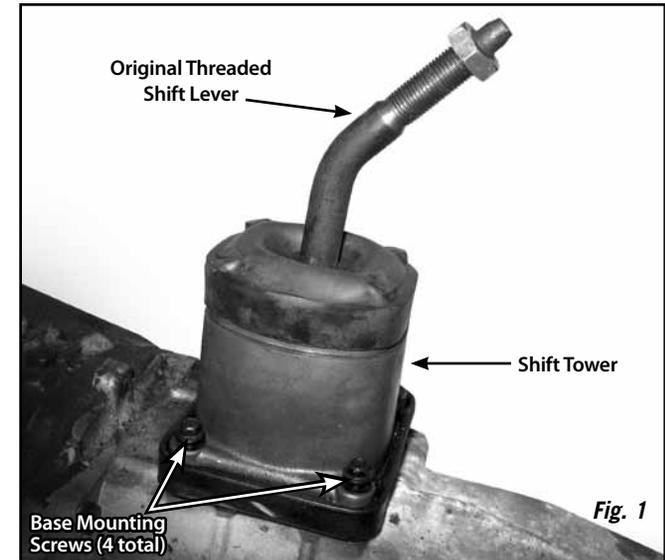
**Step 7:** There are two holes in the Lokar Shift Lever Adapter (**Fig. 7**), in order to allow the adapter to work in both the NV1500 and NV3500 transmissions. Lay the original threaded shift lever and the new shift lever adapter side by side. Line up the bottom end of both parts, and mark the hole on the shift lever adapter that lines up with the hole in your original threaded shift lever. **Fig. 8** Install the pivot ball onto the shift lever adapter so that it lines up with the correct hole.

Press the original pivot pin through the pivot ball and shift lever adapter. If the pivot ball is synthetic, it will need to be supported to prevent it from breaking while pressing the pin back in.

**Step 8:** Lubricate the inside of the synthetic swivel cup with new transmission oil, and install the synthetic swivel cup onto the bottom of the shift lever adapter. If your shifter has a steel pivot ball, place the two synthetic caps on the ends of the pivot pin. **Fig. 9** If your shifter has a synthetic pivot ball, the caps are molded as part of the pivot ball. Lubricate the pivot ball and synthetic caps with new transmission oil. Install the shift lever adapter assembly into the shift tower.

**Step 9:** Place the original shims and the retention plate back on top of the shift tower. Install the four Torx head screws back into the top of the shift tower, and then install the rubber boot. **Fig. 10**

With the shift tower reassembled, it can be reinstalled onto the transmission using the four original base mounting screws. **Fig. 11** Install the rubber floor seal (if applicable), Lokar shift lever, and the shifter boot and knob of your choice.



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