

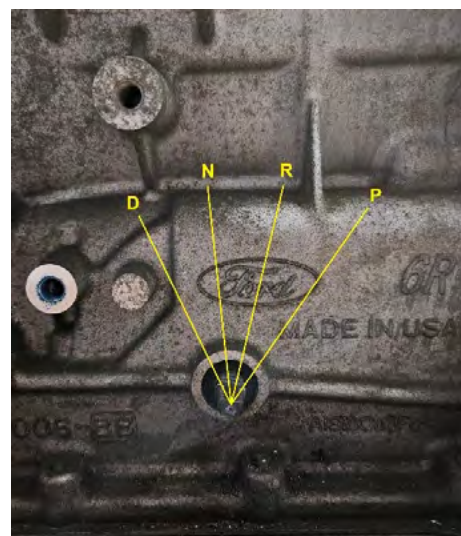
## 1984-04 6R80 Shift Linkage Kit

*The SVE 6R80 Shifter linkage is only designed to move the transmission's shift lever to its desired physical location. Due to the mechanical nature of modifying transmission linkage and functions within your driveline, it is possible for the vehicle to crank/start while in a drive gear without a properly functioning neutral safety switch.*

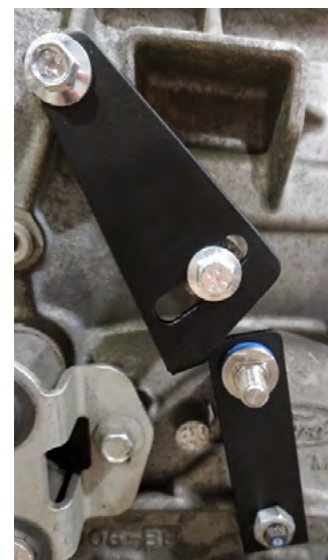
*The 6R80 neutral safety switch is internal. You **MUST** follow the installation guidelines and instructions that are provided by the manufacturer for whatever transmission controller is being used on your specific application to ensure it is wired correctly in order to function as intended. Failure to do this will allow a vehicle to start while in a drive gear which can cause damage or injury.*

1. Ensure that your shifter is currently in the **PARK** position. This ensures that when the linkage is fully installed, the shifter and gear selector on the transmission are synchronized.
2. Remove the original nut and selector lever from your transmission gear selector stud if still installed on the transmission.
3. Install the new SVE gear selector lever onto the gear selector shaft on your transmission, the threads on the new stud will face away from the transmission when installed. After it is in place, you can install the new retaining nut and fully seat the new lever onto the selector shaft. Use *Figure 1* for reference.
4. After the new selector lever is installed and the transmission in the **PARK** position, rotate the selector lever forward three clicks, to move it into the **DRIVE** position.
5. Using the provided M8 bolts, you can attach the selector stop bracket as shown below. There are two threaded holes in the transmission just above the cooler ports. The top bolt is a pivot point and the bottom bolt acts as a clamp to secure the stop into place. The bent tab of the stop will come into contact against the selector lever. The stop bracket will ensure that you aren't able to over travel and shift past the **DRIVE** position. The image marked *Figure 2* shows the stop and selector arm installed and in the **DRIVE** position. After the **STOP** is installed, rotate the selector arm all the way back into the **PARK** position to prepare to install the linkage.
6. For 1984-1993 applications, you will use the metal spring clip that is provided with this kit to secure the shift linkage to the factory shifter lever. Slide the metal clip over the end of the shift linkage, then you can snap the clip over the ball stud on your factory shifter arm. Refer to *Figure 3*.
7. For 1994-2004 applications, you will use the nylon bushing, washer, and the crimp on retainer to secure the shift linkage to the ball stud on the factory shifter arm. You will first push the nylon bushing into the hole located in the end of the shift linkage making sure it is installed from the transmission side. Next, you will place the linkage over the ball stud on the shifter arm. Once it is on the ball stud, then you will place the washer over the stud. Next, you will place the crimp on retainer over the ball stud. You will need to crimp the retainer using needle nose pliers or equivalent. We used electrician pliers, the teeth on the ends made it easier to grab the retainer. Please refer to the images marked *Figure 4* for visual reference.

### Gear Selector Lever Position Diagram for Reference



**Figure 1**

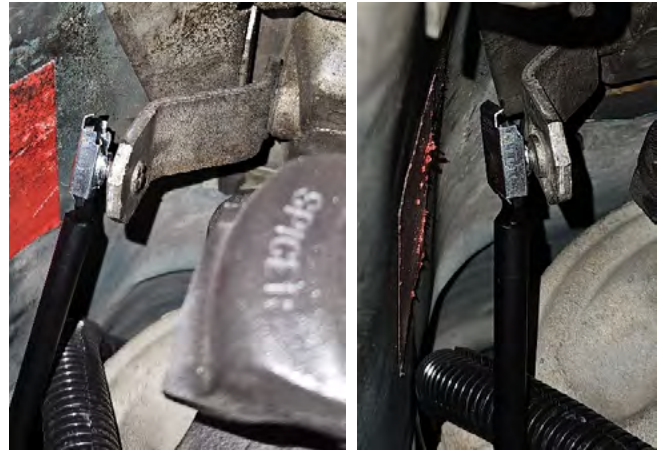


**Figure 2**

8. After the linkage is secured to the factory shifter arm ball stud, you can now secure the shift linkage to the gear selector arm. You will place the selector stud through the slotted end of the shifter linkage, then tighten the nut to complete the install. Refer to *Figure 5* for this step.
9. After the shifter linkage is installed, you will want to cycle through each gear, from park through drive, to make sure everything is synchronized and moves freely.



**Figure 4**



**Figure 3**



**Figure 5**

In case you need to purchase service parts for this kit, please reach out to us with what you need and refer to the kit content list.

Qty 1 - **LRS-6R80SL** - Linkage Setup  
 Qty 1 - **HDW-27484** - Nylon Bushing  
 Qty 1 - **MCM-90102A031** - Crimp-On Retainer  
 Qty 1 - **AUV-17393** - Flat Washer  
 Qty 1 - **LRS-14058** - AOD Shifter Clip  
 Qty 1 - **LRS-7341A** - Shifter Linkage Bushing  
 Qty 1 - **N801555S** - Shifter Linkage Retaining Nut  
 Qty 1 - **LRS-7415A** - Shifter Linkage Stud  
 Qty 1 - **MCM-91415A105** - Selector Stud Nut  
 Qty 2 - **N802990S2** - Selector Stop Bolts

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