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## Automatic Transmission Shifter Neutral Safety Switch Adjustment Instructions For Use With Aluminum Adjuster Plug

### General Installation Notes:

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

Before beginning the installation, disconnect the negative battery cable and use wheel chocks to block the vehicle's wheels.

Make sure the engine, transmission, body and frame are properly grounded.

The following instructions are for adjusting the Neutral Safety Switch in the Lokar Automatic Transmission Shifter using the included Aluminum Adjuster Plug (Fig. 1).

Please note that final adjustment of the Neutral Safety Switch must be done after the shifter has been installed into the vehicle. If your Neutral Safety Switch is wired properly and the vehicle is starting in any gear other than Park or Neutral while using the Lokar Shifter, you must adjust the Neutral Safety Switch.

The Lokar Neutral Safety Switch passes current (is turned on) when the ball is pushed in. It does not pass current (is turned off) when the ball is out at its at-rest position.

**WARNING:** Before making any adjustments or taking the shifter out of Park, be sure that the vehicle's tires are blocked and the parking brake is set to prevent movement of the vehicle.

The release button should be flush with the top of the shifter knob in Park and Neutral. In the Reverse position, you cannot pull the shifter lever into Neutral without depressing the release button.

The photos show a Case Mount Shifter. Tail Mount, Floor Mount, and Cable Operated Floor Mount shifters are similar.

**Step 1:** Make sure that the left banana bracket (or the left side of the floor mount mounting bracket or tailmount bracket) to gear plate bolts are tight. Fig. 2

**Step 2:** For the Neutral Safety Switch to function properly, the shifter linkage must be adjusted correctly. You **MUST** verify that the shifter linkage is adjusted correctly before attempting to adjust the Neutral Safety Switch.

To verify this, put the shifter into Park. Remove the 1/4"-28 x 1" button head bolt with nylock nut that attaches the rod end to the lever at either end of the threaded rod or shifter cable. Make sure the hole in the rod end exactly aligns with the hole in the lever. The bolt should pass freely through both holes at the same time without binding. Do not force the holes to line up.

# Automatic Transmission Shifter Neutral Safety Switch Adjustment Instructions

For Use With Aluminum Adjuster Plug

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Aluminum Adjuster Plug



Fig. 1

**Step 2: (Continued)** If the holes are not aligned, loosen the jam nut on the threaded rod or shifter cable. Screw the rod end in or out just enough to be able to slide the bolt in and out without putting tension on the threaded rod or shifter cable. Do this without moving any levers or arms on the shifter or the transmission. Use this adjustment routine until the bolt will pass freely in and out of both the rod end and the lever. Reinstall the 1/4"-28 nylock nut and the flat washer onto the bolt and tighten.

**Step 3:** Once you have the shifter linkage adjusted properly, remove the Neutral Safety Switch and washer using a 7/8" wrench or socket. Fig. 3

**Step 4:** Loosen, but do not remove, the two 5/16"-24 x 3/8" button head bolts that attach the right banana bracket (or the right side of the floor mount mounting bracket or tailmount bracket) to the switch plate (the bolts are in curved, slotted holes). Fig. 3

**Step 5:** Put the shifter lever into the Reverse position.

**Step 6:** Reposition the switch plate so that the hole in the switch plate lines up with the center groove in the shifter body. Fig. 4 Screw the provided aluminum adjuster plug into the Neutral Safety Switch opening. Wiggling the switch plate slightly forward and back while you are screwing the adjuster plug in will help get the shifter body centered on the plug. Fig. 5

**Step 7:** Retighten the two 5/16"-24 x 3/8" button head bolts that attach the banana bracket (or the floor mount mounting bracket or tail mount bracket) to the switch plate.

**Step 8:** Remove the aluminum adjuster plug, and reinstall the Neutral Safety Switch and washer. Test for continuity by connecting an ohmmeter lead to each stud on the Neutral Safety Switch. When adjusted correctly, you will only have continuity between the two switch studs when the shifter lever is in Park or Neutral. Continuity in any other gear requires readjustment of the Neutral Safety Switch.

**Reconnect the negative battery cable and check operation.**

If your car should ever start in any gear other than Park or Neutral, please readjust the Neutral Safety Switch accordingly. Tighten all brackets and bolts correctly and securely and there should be no movement or maladjustment. If you have any questions after following this procedure, please call Lokar Technical Support.

Fig. 2

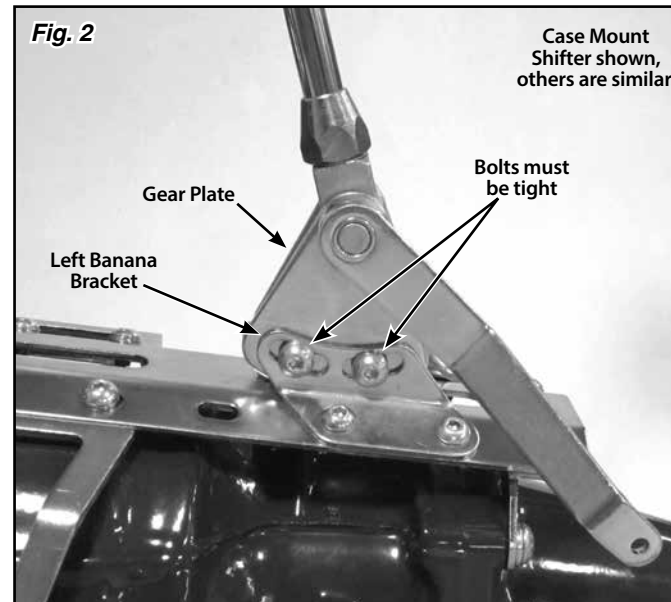


Fig. 3

