



QUALITY... PLAIN & SIMPLE®

Back-up Light or Neutral Safety Switch Kit Installation
Part # BL-1400U

TH-350, TH-400 & 700-R4, TH-200, 200-4R
(4L60, 4L80E with Short Selector Shaft)

NOTE: This kit offers the choice of Back-Up Light Switch OR Neutral Safety Switch, **Not Both!**

WARNING: Disconnect negative battery cable before beginning installation. Be sure that vehicle's parking brake is engaged or the wheels are chocked to prevent the vehicle from rolling.

PARTS LIST - BL-1400U

Qty.	Description	Part #
1	Back Light Bracket Zinc Plate	1401P
1	Neutral Safety Switch	6817
1	N/S 9/16" Steel Flat Washer Zinc Plated	6818P
1	350/400 Neutral Switch Packet - Includes:	S-1408
(1)	Single Trigger Zinc (for back up lights)	1403P
(1)	Double Trigger Zinc (For Neutral Safety Switch)	1404P
(1)	3/8" Internal Star Washer	1720
(2)	USS 1/4" Washer Yellow	1406
(2)	5/16" - 18 x 1-1/4" Hex Cap	2403
(2)	5/16" Lock Washer Yellow	6831
(2)	3/8" Spacer 5/8" OD x 0.378"	8051P
1	700 Neutral Switch Packet - Includes:	S-1409
(2)	M8 x 30 Hex Cap Screw Zinc Plated	1407P
(2)	1/4" Spacer 5/8" OD x 0.377" ID Zinc	8052P

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Building American Quality... With A Lifetime Warranty!®

10924 Murdock Dr. • Knoxville, TN 37932

TOLL FREE 1-877-469-7440 • (865) 966-2269 • FAX (865) 671-1999 • tech@lokar.com • www.lokar.com

Switch Installation

Step 1: Install the bracket with the switch.

- **For TH-350, TH-400, and TH-200 Applications,** use 3/8" thick spacers between bracket and transmission pan. Use flat washer and lock washer on bottom side of bracket. See **Fig. 1** on page 2.
- **For 700-R4, 200-4R, (and 4L60, 4L80E with Short Selector Shaft) Applications,** use 1/4" spacers and two metric bolts supplied with kit. Use the flat washer and lock washer on the bottom side of the bracket. See **Fig. 1** on page 2.

Switch Wiring

The switch is a non-directional, normally open, spring loaded ball switch. It makes contact and passes current when the ball is depressed. For some common applications, you will be cutting a single wire, and simply connecting the cut ends to the switch terminals.

For Use as a Neutral Safety Switch

Step 2: Put transmission in park and install double trigger as shown in **Fig. 1**, with the internal star lock washer between the nut and the trigger. Position the trigger so that the ball switch is depressed in park. The double trigger should also depress the ball switch when transmission is in the neutral position.

Step 3: Connect the switch between your ignition switch and starter circuits. Check the wiring of your fuse panel.

- **If there are (2) connections for a neutral safety switch,** you must run a #12 (or heavier) stranded wire from these terminals to the (2) terminals on the neutral safety switch. That completes the Neutral Safety Switch wiring.

- **If your wiring panel does not have neutral safety switch connections,** you will have to locate the wire going from the ignition switch to the starter. If GM color codes are used, this wire will be PURPLE. After locating the wire, it must be cut and routed from the ignition switch to one of the neutral safety switch terminals, and from the second neutral safety switch terminal to the same stud on the starter where the original wire was removed. If the wire must be lengthened, be sure to use wire that is at least the same size or larger than the original.

Reconnect negative battery cable and check operation.

For Use as a Back-Up Light Switch

Step 2: Install single trigger to transmission gear selector shaft, with the internal star lock washer between the nut and the trigger. Put transmission in reverse and make sure ball switch is depressed. See **Fig. 2** on page 2.

Step 3: Check the wiring of your fuse panel.

- **If there is a connection for back-up lights on your fuse panel,** you may run a 16 gauge (or heavier) wire from the fuse panel terminal to either of the back-up light switch terminals. Run a second wire from the other backup light switch terminal to your back-up lights. Be sure the back-up lights have a good chassis ground.
- **If there is no connection for back-up lights on your fuse panel,** you may connect a wire from the headlight switch "taillight" terminal to either of the backup light switch terminals, and then run a second wire from the other backup light switch terminal to your back-up lights. If your car uses standard GM wiring, the taillight wire will be BROWN.

Reconnect negative battery cable and check operation.



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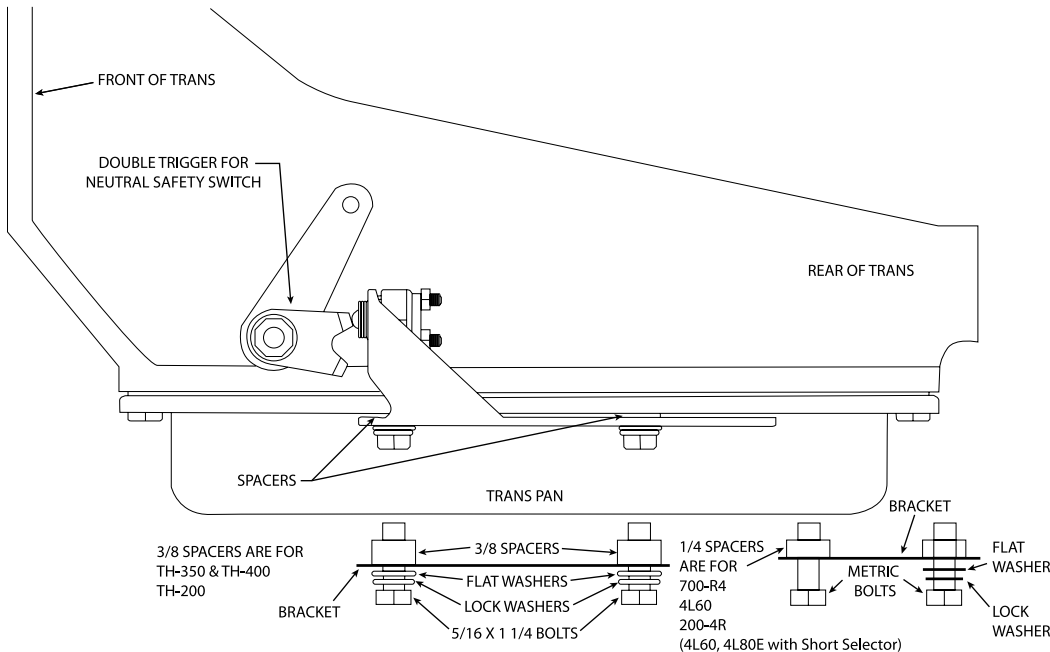


Figure 1

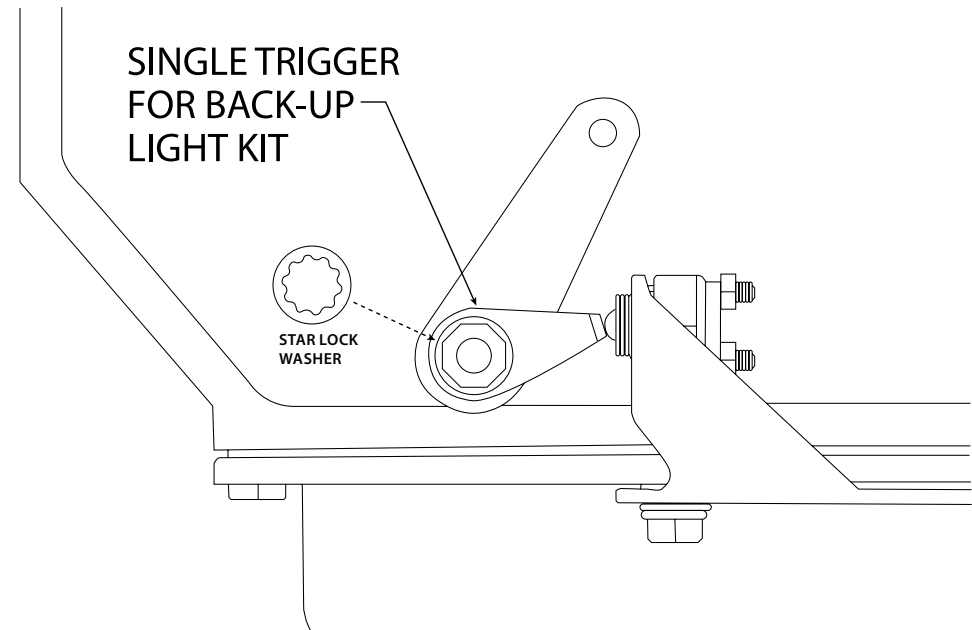


Figure 2