



QUALITY... PLAIN & SIMPLE®

TH400 Blower Drive Electric Kickdown Kit Installation Instructions

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. We recommend applying anti-seize lubricant to all aluminum threads before final assembly.

All product installation instructions can be found by visiting www.lokar.com/instructions.html.

NOTE: Lokar's Blower Drive Kickdown Cable Kits are designed to work with a Lokar Blower Drive Throttle Cable and BDS, Enderle or Weiland style linkage for sideways mounted carburetors.

Refer to Figs. 1, 2, and 3 for the component names.

Step 1: Remove the cable end stop, kickdown throttle body fitting, and kickdown cable adjuster from the new Lokar Kickdown Cable. **DO NOT remove the ferrule from the cable housing if the cable housing is braided stainless steel!** Leave the kickdown mounting bracket on the kickdown cable adjuster.

Step 2: Remove the back cover from the aluminum switch box and remove the slide trigger and inner wire. **Fig. 3**

Step 3: Mount the aluminum switch box. The aluminum switch box is designed to be mounted to the bottom of the transmission on the driver side as shown in **Fig. 4**, but it can be mounted elsewhere if you like.

NOTE: If you are using a Lokar Back-Up Light or Neutral Safety Switch (# BL-1400U) or a Lokar Indicator Kit, the aluminum switch box for the kickdown will have to be mounted elsewhere, since the BL-1400U Switch and/or the Indicator cable bracket must be mounted on the driver side of the transmission.

If mounting the aluminum switch box on the bottom of the transmission, use the provided 5/16"-18 x 1-1/4" bolts with flat washers and spacers. The spacers go between the mounting bracket and the transmission pan.

Step 4: Install and adjust all blower drive linkage components before beginning to install the Lokar Blower Drive Kickdown Cable. If a Lokar Blower Drive Throttle Cable has not previously been installed and is being installed at the same time as the Blower Drive Kickdown Cable, you must install the blower cable bracket (see Lokar Blower Drive Throttle Cable Installation Instructions) before beginning the Blower Drive Kickdown Cable installation. If the throttle cable has already been installed, disconnect the throttle cable from the blower drive lever.

TH400 Blower Drive Electric Kickdown Kit Installation Instructions

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

TOLL FREE 1-877-469-7440 • tech@lokar.com • www.lokar.com

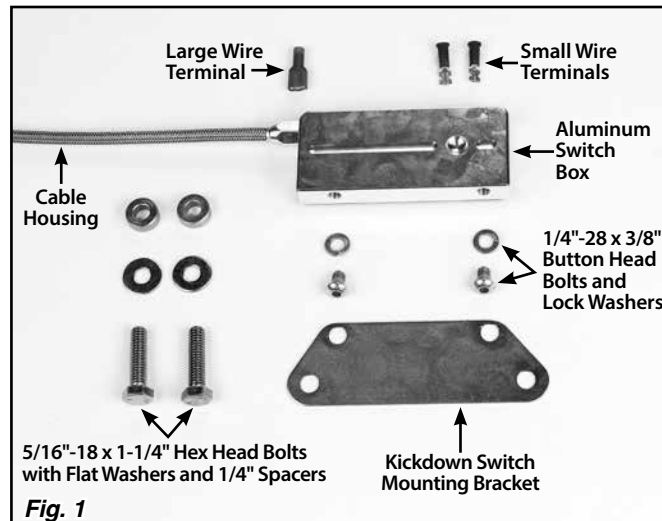


Fig. 1
Step 5: The kickdown mounting bracket mounts onto the front side of the blower cable bracket. The throttle cable adjuster will pass through the bottom hole in both the new kickdown mounting bracket **AND** the blower cable bracket.

Position the kickdown mounting bracket in front of the blower cable bracket so the 5/16" diameter holes at the bottom of both brackets are aligned, the small 3/16" diameter holes near the center of the two brackets are aligned, and the kickdown cable adjuster is offset towards the driver side of the vehicle.

Attach the kickdown mounting bracket to the blower cable bracket using the supplied #8-32 x 1/2" button head bolt and Nylock nut through the small 3/16" diameter center holes in both brackets, but do not tighten yet.

Insert the throttle cable adjuster (with the rear nut still installed) from the rear through the bottom holes in both brackets. Position it so the bracket is roughly centered in the threaded part of the cable adjuster. Install the front adjuster nut.

Tighten the throttle cable adjuster nuts, the button head bolt and nut, and the kickdown cable adjuster nuts. **Fig. 5**

Step 6: Route the cable housing up to the kickdown cable adjuster. **Make sure the inner wire is removed from the cable housing.** If the cable housing is braided stainless steel, slide the ferrule down the housing towards the aluminum switch box, away from the end being cut. **Fig. 6 DO NOT remove the ferrule if your cable housing is braided stainless steel!** If the cable housing is black universal or Vintage Series, remove the ferrule.

Measure the distance between the kickdown cable adjuster and the aluminum switch box. Add 1" to the measurement and cut the cable housing to that length.

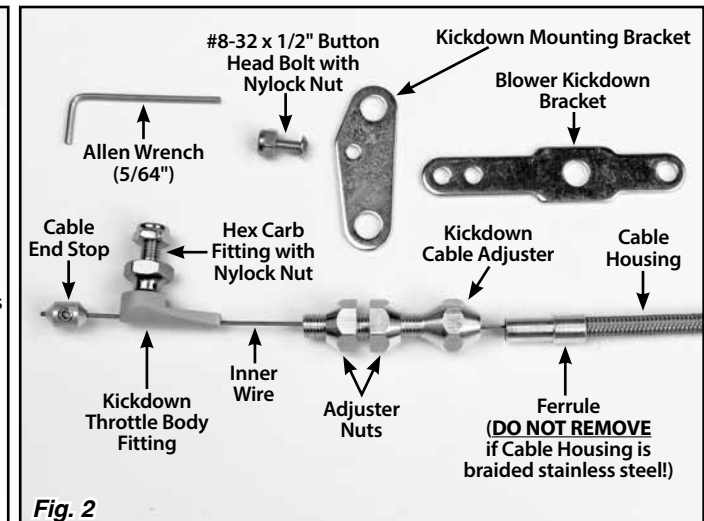


Fig. 2

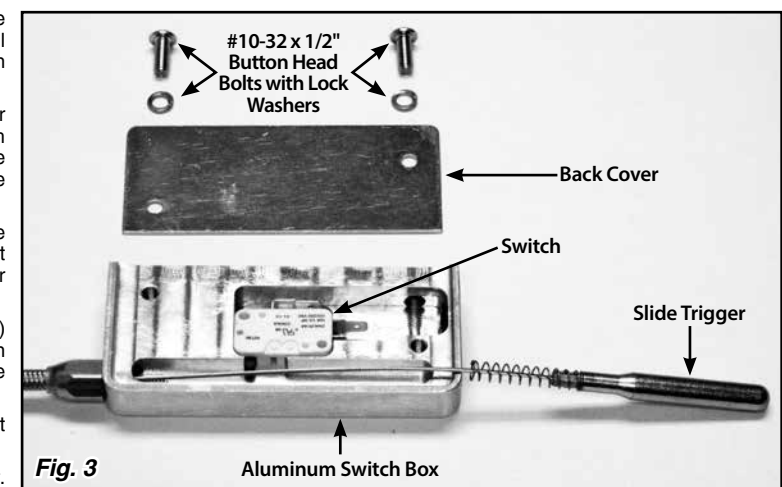
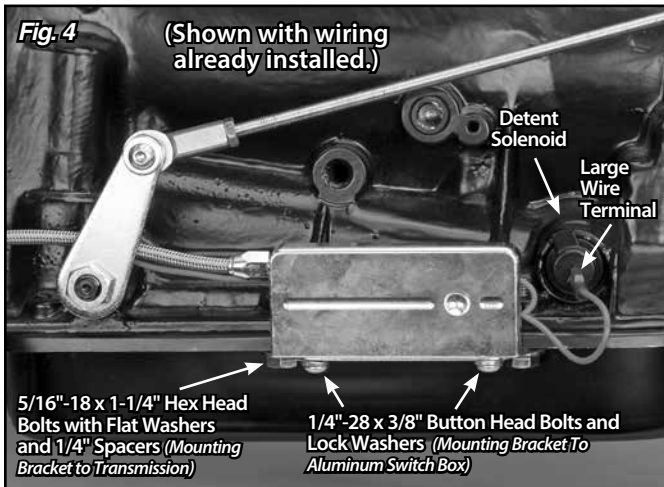


Fig. 3

Step 6: (Continued) If the kickdown cable has the braided stainless steel housing, wrap tape around the area to be cut and use a cutoff wheel or fine-toothed hacksaw to cut the cable housing. If the kickdown cable has the black universal or Vintage Series housing, cut the cable housing with heavy duty 8" diagonal cutting pliers or a hacksaw. Lokar recommends Klein brand Diagonal Cutting Pliers # D2000-28, available at The Home Depot or through W. W. Grainger, Part # 4A838.

After cutting the cable housing, put the ferrule back in place at the end of the cable housing. The ferrule does NOT need to be crimped or otherwise attached in place. Insert the cable housing and ferrule into the kickdown cable adjuster.



Step 7: Install the blower kickdown bracket onto the splined arm on the blower throttle linkage, with the two holes at the bottom. The blower kickdown bracket is positioned by the blower linkage pivot shaft and attached using the throttle cable bolt. If the blower linkage pivot shaft does not protrude out far enough to align the blower kickdown bracket, it will be necessary to adjust the position of the splined arms on the pivot shaft by loosening the pinch bolts and repositioning parts as needed. **Fig. 7**

Step 8: Separate the aluminum switch box from the mounting bracket by removing the two 1/4"-28 x 3/8" button head bolts.

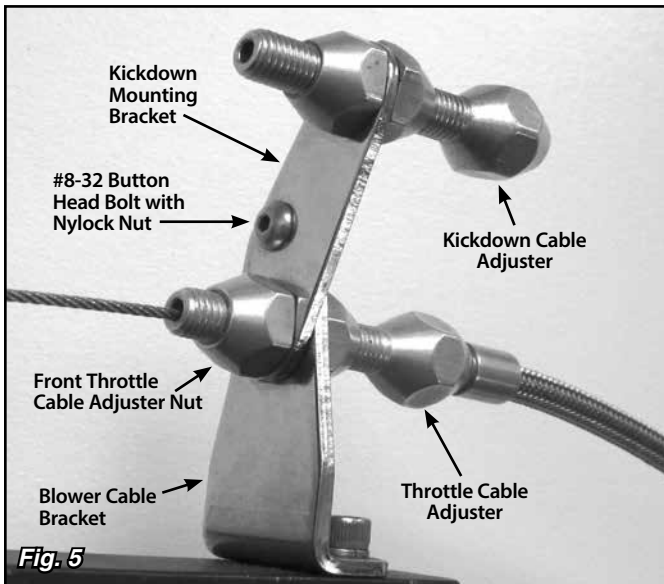


Fig. 5

Blower Cable Bracket, Front Throttle Cable Adjuster Nut, and Throttle Cable Adjuster not included, part of Blower Drive Throttle Cable Kit.

With the braided stainless steel Cable Housing, slide the Ferrule down the Housing past the cut line before cutting the Housing.

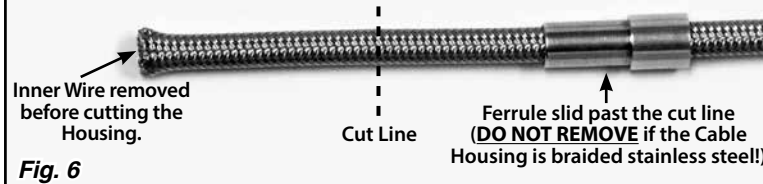


Fig. 6

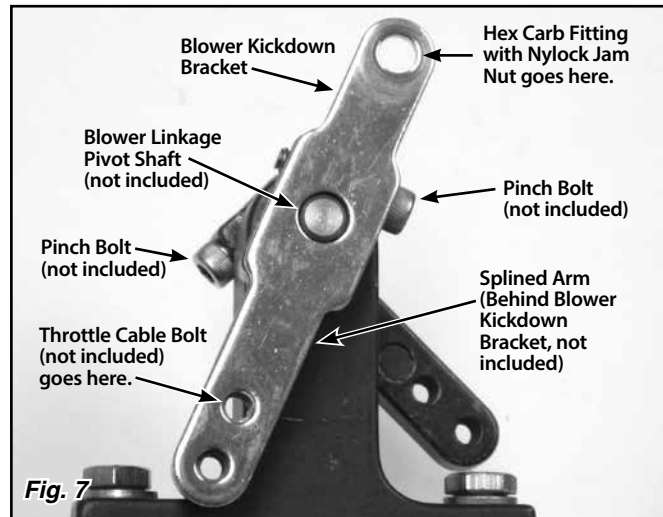


Fig. 7

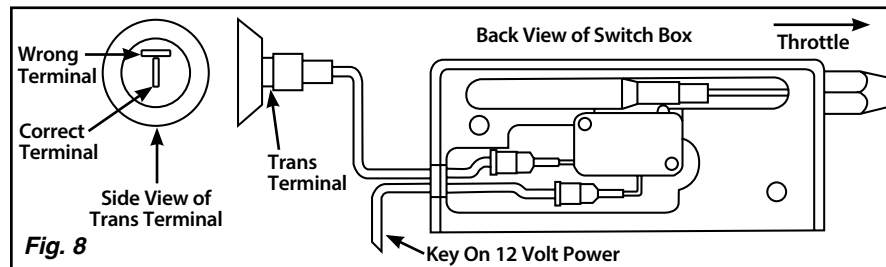


Fig. 8

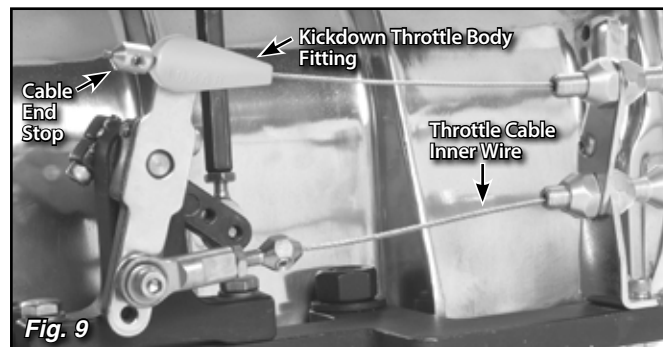


Fig. 9

Step 9: Make sure the spring is still in place on the inner wire, and reinstall the inner wire into the kickdown cable housing. Position the slide trigger back into its slot in the aluminum switch box.

Step 10: Feed the wires (not included) through the rubber grommet into the aluminum switch box, and install the two small wire terminals onto the ends of the wires. Connect both wires to the switch terminals. It does not matter which wire is connected to which terminal.

Step 11: Reinstall the back cover onto the aluminum switch box, using the #10-32 x 1/2" button head bolts and lock washers you removed earlier, and tighten the bolts with a 1/8" Allen wrench. Then, reinstall the aluminum switch box onto the mounting bracket, using the 1/4"-28 x 3/8" button head bolts and lock washers you removed earlier, and tighten with a 5/32" Allen wrench.

Step 12: Connect one of the wires from the aluminum switch box to a switched power source with a 5 amp or greater fuse. Install the remaining large wire terminal onto the end of the other wire, and connect it to the **vertical** terminal on the detent solenoid on the transmission. **Fig. 8**

NOTE: The detent solenoid may have either one or two terminals.

Step 13: Install and adjust the throttle cable (not included). Before connecting the kickdown inner wire to the throttle arm, make sure the throttle cable is properly adjusted. Verify the throttle is wide open while you have a helper hold the accelerator pedal to the floor. Once you are sure the throttle cable is adjusted correctly, slide the kickdown throttle body fitting onto the kickdown cable inner wire, and connect the kickdown throttle body fitting to the hex carb fitting.

Step 14: This step will also be much easier with a helper. Slide the kickdown cable end stop onto the inner wire. Move the throttle to wide open and hold it there while pulling the kickdown inner wire as tight as possible. Slide the cable end stop up against the kickdown throttle body fitting and tighten the set screw using the supplied 5/64" Allen wrench. Release the throttle.

The kickdown cable is properly adjusted when the following conditions are met:

- You can open the throttle to the wide open position without interference from the kickdown cable.
- With the throttle wide open, you cannot pull the kickdown cable out any further.

Minor adjustments can be made using the kickdown cable adjuster on the Cable Bracket. Double check to be sure all throttle and kickdown linkage operates freely without binding and the throttle returns to the closed position when the pedal is released. Then, test drive. Once the kickdown cable is correctly adjusted and operating properly you can cut off the excess inner wire, leaving about 1/2" extending beyond the cable end stop to allow for future adjustment if needed.

Fig. 9 shows a completed installation.