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Powerglide Hi-Tech 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 using anti-seize lubricant on all aluminum threads before final assembly.

All Lokar Installation Instructions can be found by visiting www.lokar.com/instructions.html

This Kickdown Kit is designed to be used with a Lokar Cable Bracket (not included, available separately) that is correct for your carburetor or fuel injection system. Lokar Kickdown Cables are designed to be cut-to-fit.

Refer to Figs. 1 and 2 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. Remove the inner wire from the cable housing, leaving the threaded kickdown ball assembly on the transmission end still attached to the inner wire.

Step 2: Install the kickdown cable trans bracket onto the bottom of the boss on the transmission with the vertical ear towards the front and pointing down, as shown in Fig. 3.

Step 3: If the throttle cable has already been installed, disconnect the throttle cable from the throttle arm. If the engine has a Lokar Cable Bracket (not included) installed and it does not have a Kickdown mounting provision, remove the throttle cable adjuster. Leave the Cable Bracket in place. If the engine does not have a Lokar Cable Bracket installed, install one now, following the installation instructions provided with the Bracket.

Step 4: The kickdown mounting bracket mounts onto the back side of the Lokar Cable Bracket if the Cable Bracket does not already have a Kickdown mounting provision. The throttle cable adjuster will pass through the top hole in both the new kickdown mounting bracket **AND** the Cable Bracket.

Position the kickdown mounting bracket behind the Cable Bracket so the 5/16" diameter holes at the top 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.

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Step 4: (Continued) Attach the kickdown mounting bracket to the 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 top 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. 4

Step 5: 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 transmission, away from the end being cut. **DO NOT remove the ferrule from the braided stainless steel housing!** Fig. 5 If the cable housing is black universal or Vintage Series, remove the ferrule.

Measure the distance between the kickdown cable adjuster and the kickdown cable trans bracket. Add 1" to the measurement and cut the cable housing to that length.

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. 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. Graingers, Part # 4A838.

After cutting the cable housing, put the ferrule back in place at the end of the cable housing. Insert the cable housing and ferrule into the kickdown cable adjuster.

Step 6: The tear drop (not included, comes with the Cable Bracket) will be attached to the throttle arm by the hex carb fitting. Separate the hex carb fitting from the kickdown throttle body fitting. Install the hex carb fitting and the tear drop onto the throttle arm as shown in Fig. 6. Hook the return springs (not included, comes with the Cable Bracket) to the tear drop. Tighten the hex carb fitting, and then back it off just enough so the tear drop can swing freely.

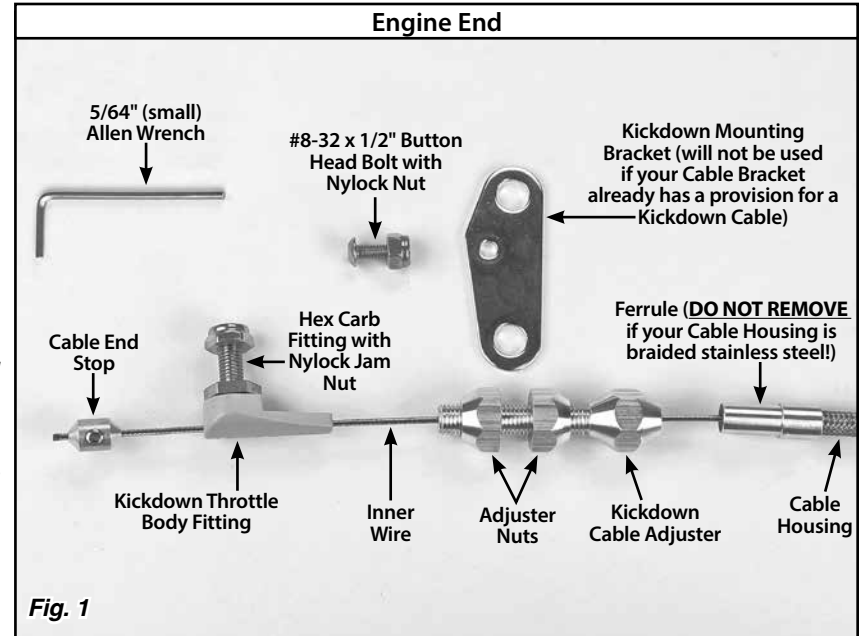


Fig. 1

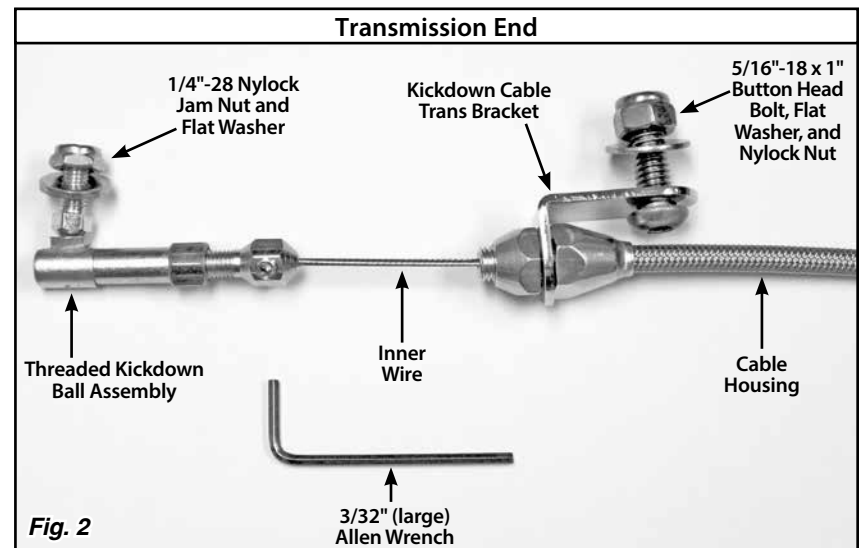
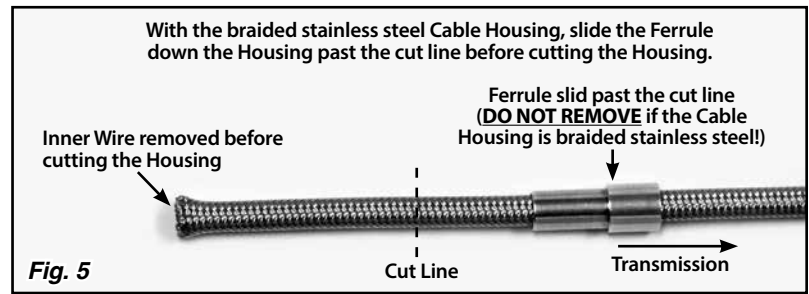
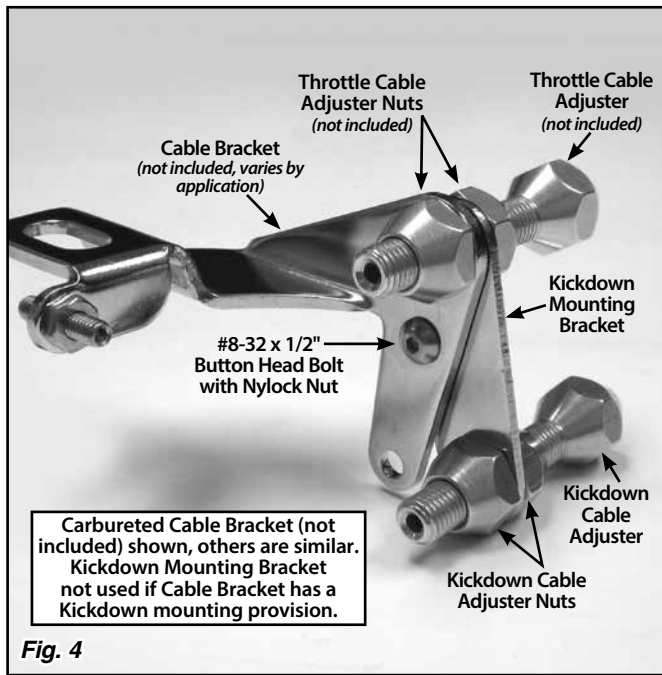
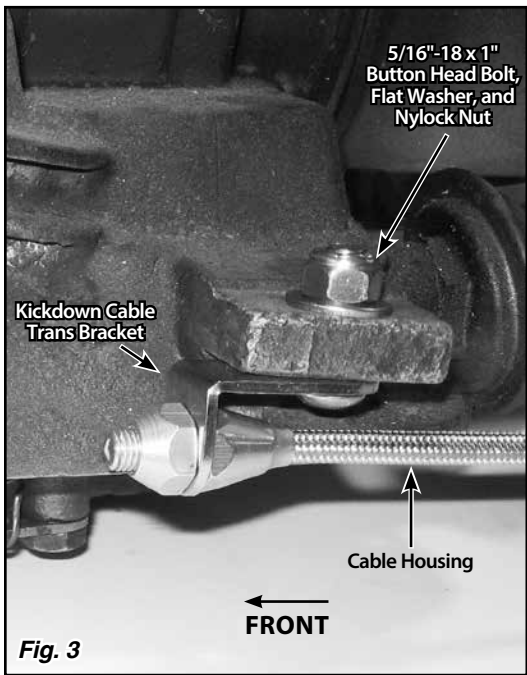


Fig. 2

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- Step 7:** Re-install the inner wire into the kickdown cable housing, with the threaded kickdown ball assembly at the transmission end. Insert the threaded kickdown ball assembly into the kickdown lever on the transmission as shown in **Fig. 7**, and secure with the flat washer and 1/4"-28 Nylock nut. Check to make sure the set screw in the threaded kickdown ball assembly is tight, using the supplied 3/32" (large) Allen wrench.
- Step 8:** Install and adjust the Throttle Cable (not included). Before connecting the 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 9:** 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" (small) Allen wrench. Release the throttle.

When the Kickdown Cable is properly adjusted you should be able to open the throttle to the wide open position without interference from the kickdown cable; and with the throttle wide open, you should not have any slack in the kickdown cable. Minor adjustments can be made at either the kickdown cable adjuster on the engine or at the threaded kickdown ball assembly on the transmission.

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. Final installation should look like **Fig. 5** at the engine and **Fig. 7** at the transmission.

