



INSTALLATION MANUAL

Ford C4 & C6 Kickdown Kits

PFETCS5100/PFETCS6048

Included Items	QTY
PFETCS5100 or PFETCS6048 Kickdown Kit	1

WARNING: PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING. PROFLOW WILL NOT BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE INCORRECT INSTALLATION OF THIS PRODUCT. IT IS RECOMMENDED THAT A QUALIFIED AUTOMOTIVE TECHNICIAN PERFORMS THIS INSTALLATION.

BEFORE BEGINNING THE INSTALLATION, DISCONNECT THE NEGATIVE BATTERY CABLE AND USE WHEEL CHOCKS TO BLOCK THE VEHICLES WHEELS.

TYPICAL INSTALLATION

Refer to Figures 1, 2, and 3 for component names.

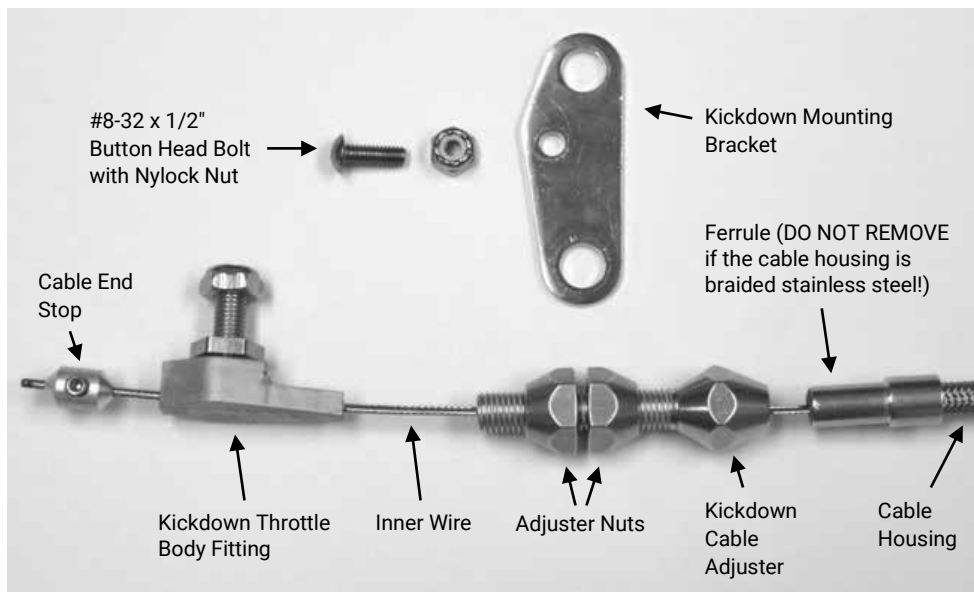


Figure 1: Throttle End

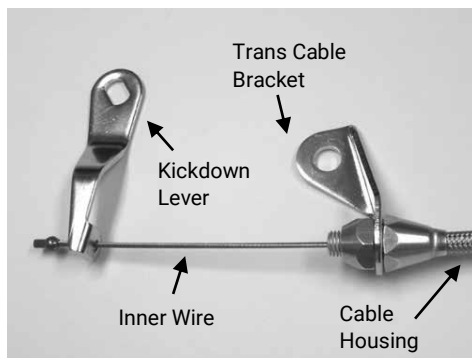


Figure 2: Transmission End, C4

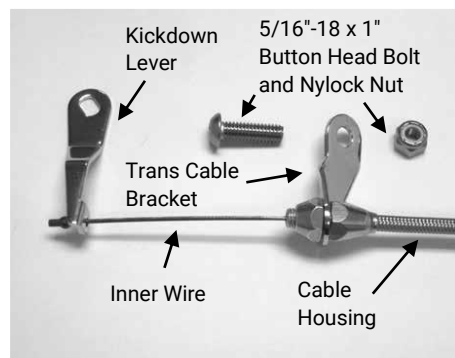


Figure 3: Transmission End, C6

1. Remove the cable end stop, kickdown throttle body fitting, and kickdown cable adjuster from the new kickdown cable. Leave the kickdown mounting bracket on the kickdown cable adjuster. Remove the inner wire from the cable housing, and remove the kickdown lever from the inner wire.
2. Install the kickdown lever onto the transmission, with the cable hole towards the transmission as shown in Fig. 4 for C4 and Fig. 5 for C6.

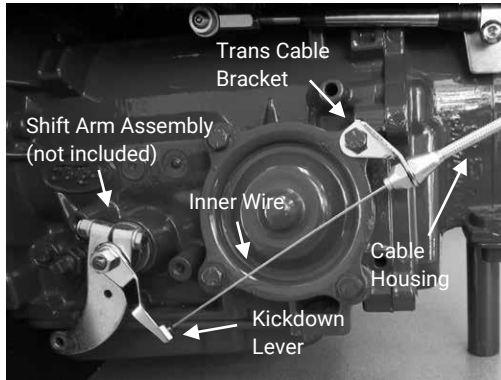


Figure 4: C4 Transmission

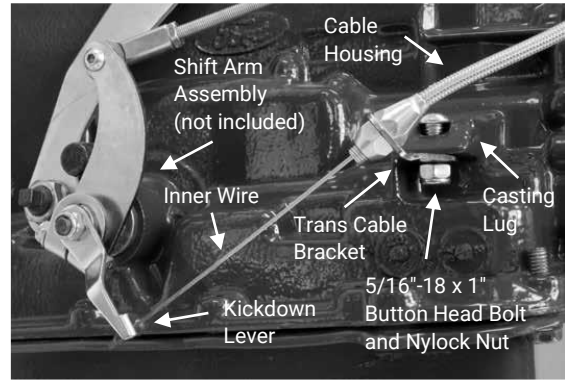


Figure 5: C6 Transmission

3. Install the trans cable bracket and the cable housing onto the transmission as shown in Fig. 4 for C4 and Fig. 5 for C6. C4 uses an existing transmission bolt. The C6 kit includes a 5/16"-18 x 1" button head bolt and locknut for the trans cable bracket. **NOTE:** On the C6 transmission, the cable mounting bracket goes underneath the casting lug on the side of the transmission.
4. If the throttle cable has already been installed, disconnect the throttle cable from the throttle arm. If the engine already has a Proflow Cable Bracket (not included) installed, remove the throttle cable adjuster. Leave the Cable Bracket in place. If the engine does not have a Proflow PFETCS6055 Cable Bracket already installed, install one now, following the installation instructions that were provided with Cable Bracket.
5. The kickdown mounting bracket mounts onto the back side of the Proflow Cable Bracket. 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 that 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 left side of the vehicle.

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 that the threaded part of the throttle cable adjuster is approximately

centered in the Cable Bracket. Install the front adjuster nut. Tighten the throttle cable adjuster nuts, the button head bolt and nut, and the kickdown cable adjuster nuts. Fig. 6

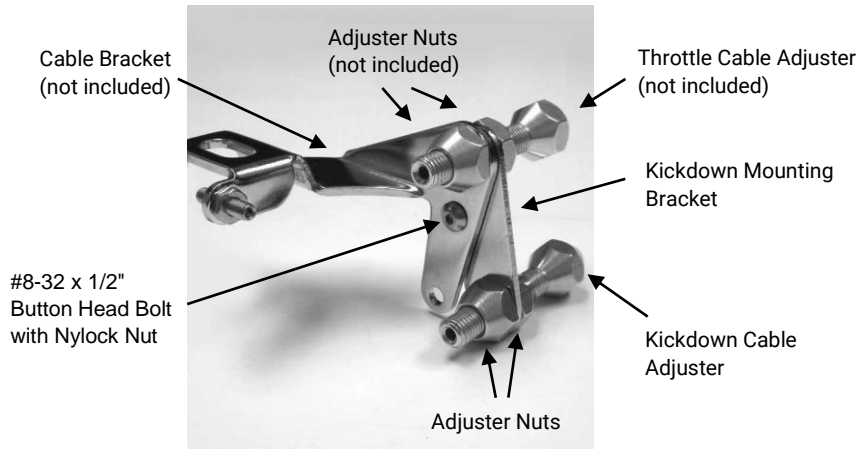


Figure 6: Carburetted Cable Bracket (not included) shown, others are similar

- Route the cable housing up to the kickdown cable adjuster. Make sure that 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 that is being cut. Fig. 7 **DO NOT remove the ferrule from the braided stainless steel housing!**

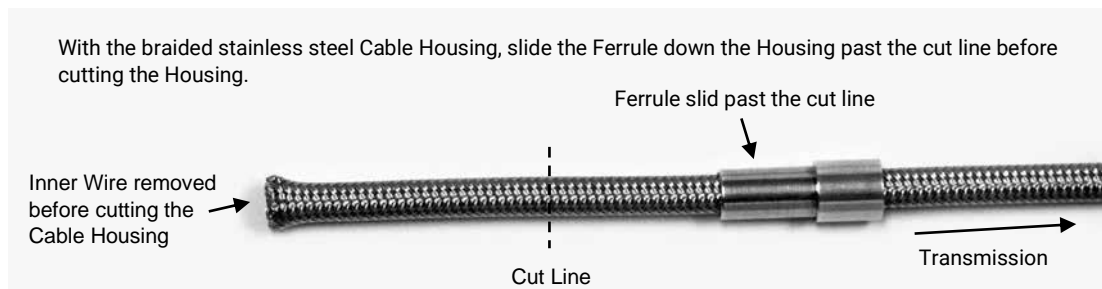


Figure 7

Measure the distance between the kickdown cable adjuster and the trans cable 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.

The tear drop (not included, comes with the Proflow 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. 8. Hook the springs to the tear drop and tighten the nylock nut on the hex carb fitting. Then, back the nylock nut off just enough so that the tear drop can pivot freely.

- Pass the inner wire through the hole in the kickdown lever on the transmission. Thread it up through the cable housing to the throttle arm.

8. Install and adjust the throttle cable (not included). Before connecting the kickdown inner wire to the throttle arm, make sure that the throttle cable is properly adjusted. Verify that the throttle is wide open while you have a helper hold the accelerator pedal to the floor. Once you are sure that 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.
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" 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.

Double check to be sure that all throttle and kickdown linkages operate freely without binding. 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. 4 or 5 and Fig. 8.

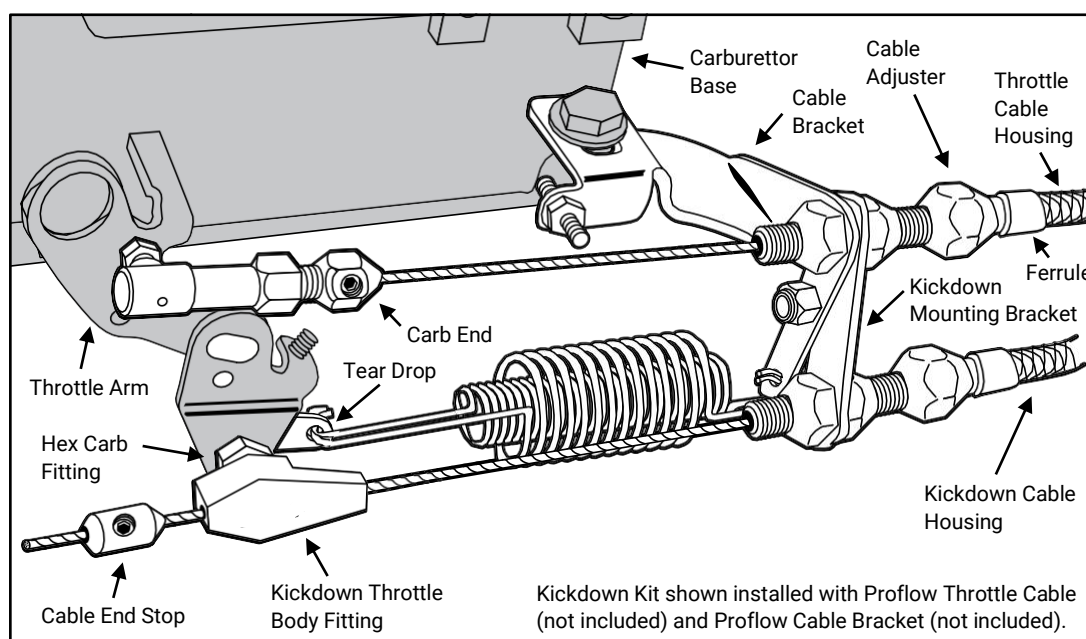


Figure 8