



QUALITY... PLAIN & SIMPLE®

## Borla 8 Stack Injection Throttle Cable 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. Do not attempt to install or adjust the throttle cable while the engine is running.

Make sure the engine, transmission, body and frame are properly grounded. We recommend using anti-seize lubricant on any aluminum threads.

**NOTE:** The Lokar Throttle Cable is designed to be installed with a Lokar Throttle Pedal. The Lokar Throttle Cable is designed to be cut-to-fit.

Refer to Fig. 1 and Fig. 2 for the names of the components.

**Step 1:** Install the Lokar Throttle Pedal first, following the instructions that are provided with the Throttle Pedal.

**Step 2:** The hole in the firewall must line up with the hole in the Throttle Pedal. Determine exactly where the Throttle Cable needs to pass through the firewall and drill a 5/16" hole.

**Step 3:** Use the provided 5/64" Allen wrench to loosen the set screw in the throttle body fitting. Remove the throttle body fitting and throttle cable adjuster from the end of the new Lokar Throttle Cable. **DO NOT REMOVE** the ferrule if the cable housing is braided stainless steel! Pull the inner wire out of the cable housing.

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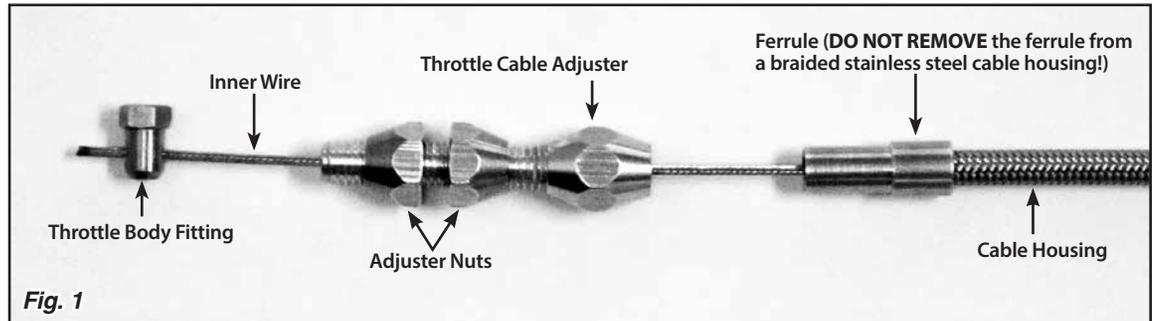


Fig. 1

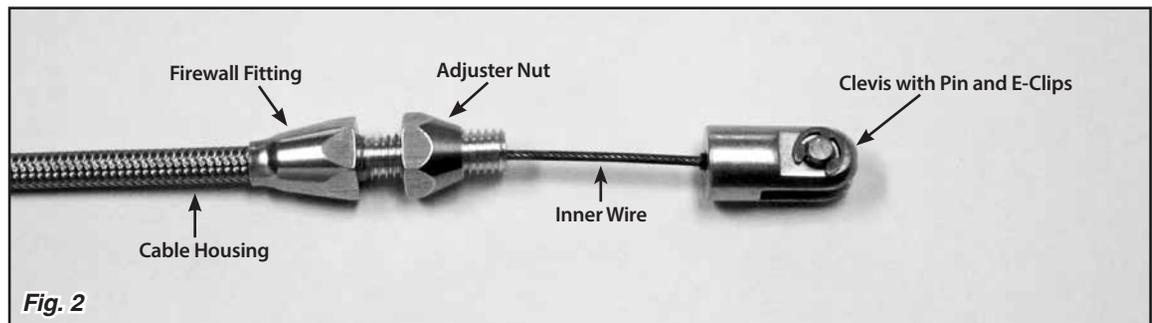


Fig. 2

**Step 4:** On the other end of the cable housing, remove the adjuster nut from the firewall fitting. Insert the firewall fitting through the firewall from the engine side, and reinstall the adjuster nut. **Fig. 3**

**NOTE:** The firewall fitting **MUST** point directly at the hole in the top of the upper arm of the throttle pedal, so that the inner wire does not rub excessively against the inside of the firewall fitting.

Some Lokar Throttle Pedals for specific applications come with offset washers. If your Throttle Pedal came with offset washers, they will usually be required in order to get the firewall fitting aligned with the hole in the throttle pedal on a stock firewall.

If offset washers are required to achieve proper throttle cable alignment, place one offset washer onto the firewall fitting (with the slanted side towards the firewall) before inserting the firewall fitting into the firewall. After the firewall fitting is inserted into the firewall, install the other offset washer (with the slanted side towards the firewall) and the adjuster nut on the passenger compartment side of the firewall fitting. Rotate the offset washers opposite one another until the firewall fitting is pointed directly at the hole in the top of the upper arm on the pedal. Then, tighten the adjuster nut.

**Step 5:** Remove the front adjuster nut from the throttle cable adjuster, and thread the rear adjuster nut back as far as it will go. Thread the throttle cable adjuster into the bracket on Borla's billet capstan assembly. Position the throttle cable adjuster so that the threaded part of the throttle cable adjuster is approximately centered in the bracket. Tighten the adjuster nut against the bracket.

The front adjuster nut that you removed from the cable adjuster is not required when using the Borla bracket, but is provided for use with a custom bracket if needed.

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**Step 6:** Make sure that the inner wire is removed from the cable housing. If the cable housing is braided stainless steel, slide the ferrule up the housing towards the firewall, away from the end that is being cut. **Fig. 4**

**DO NOT REMOVE the ferrule from a braided stainless steel housing!**

If the cable housing is black universal or Vintage Series, remove the ferrule.

Measure the distance between the throttle cable adjuster and the firewall fitting. Add 2" to the measurement and mark the cable housing at that length.

**NOTE:** The cable housing must **not** be straight between the throttle cable adjuster and the firewall. There must be some slack to allow for engine movement.

**Step 7:** If the Throttle Cable has the braided stainless steel housing, wrap tape around the cable housing at your mark and use a cutoff wheel or fine-toothed hacksaw to cut the cable housing. If the Throttle Cable has the black universal or Vintage Series housing, cut the cable housing at your mark 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 throttle cable adjuster. The ferrule does **NOT** need to be crimped or otherwise attached in place.

**NOTE:** If you are connecting the Lokar Throttle Cable to an OEM or aftermarket pedal that requires a ball end on the cable, the clevis can be removed by sliding it off of the inner wire at this time.

**Step 8:** Reinstall the inner wire into the cable housing from inside the passenger compartment. Connect the clevis (or the ball end if the clevis was removed) on the new Lokar Throttle Cable to the Throttle Pedal. **Fig. 5**

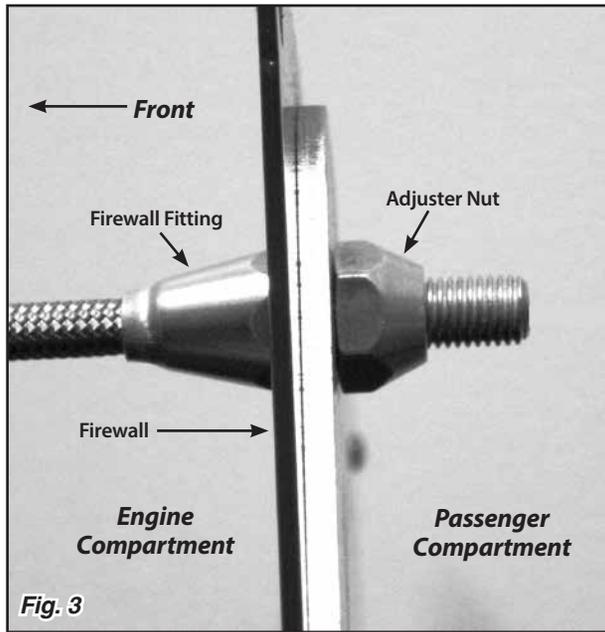
**Step 9:** Depress the Throttle Pedal to the floor, and hold the capstan pulley at the wide open throttle position. Pull all the slack out of the inner wire. Mark the inner wire at the far edge of the hole in the capstan pulley that the throttle body fitting fits into.

**Step 10:** Cut the inner wire 1/4" longer than the location of your mark. **MAKE SURE** you are not cutting the inner wire too short! Install the throttle body fitting onto the end of the inner wire, and tighten the set screw in the throttle body fitting using the provided 5/64" Allen wrench.

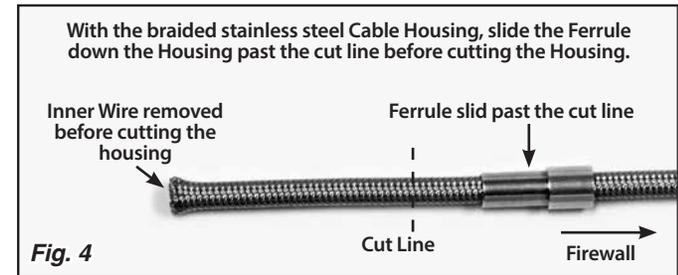
**Step 11:** With the Throttle Pedal released, rotate the capstan pulley to the wide open throttle position. Insert the throttle body fitting into the hole in the capstan pulley. **Fig. 6**

**Step 12:** Release the capstan pulley, making sure that the inner wire falls into the groove in the capstan pulley. Take any slack out of the inner wire by loosening the adjuster nuts and moving the adjuster fitting forward or backward in its bracket. Check for proper operation of the throttle. Make sure there is no binding in the throttle linkage and that the throttle returns to the closed position when the pedal is released.

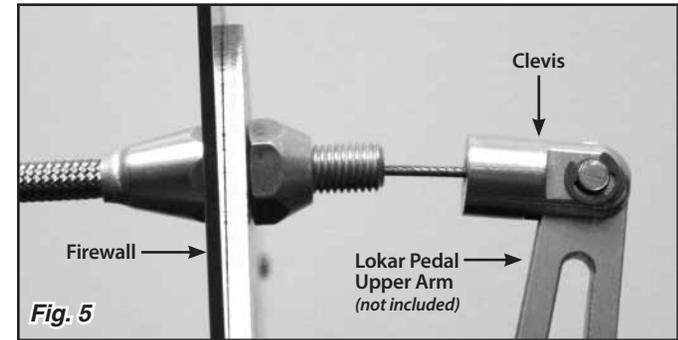
**NOTE:** Once the Throttle Cable is installed, make sure that the Throttle Pedal is completely floored when the throttle is wide open. If the Throttle Pedal is not completely floored at wide open throttle, you will need to either adjust the pedal itself or install a pedal stop.



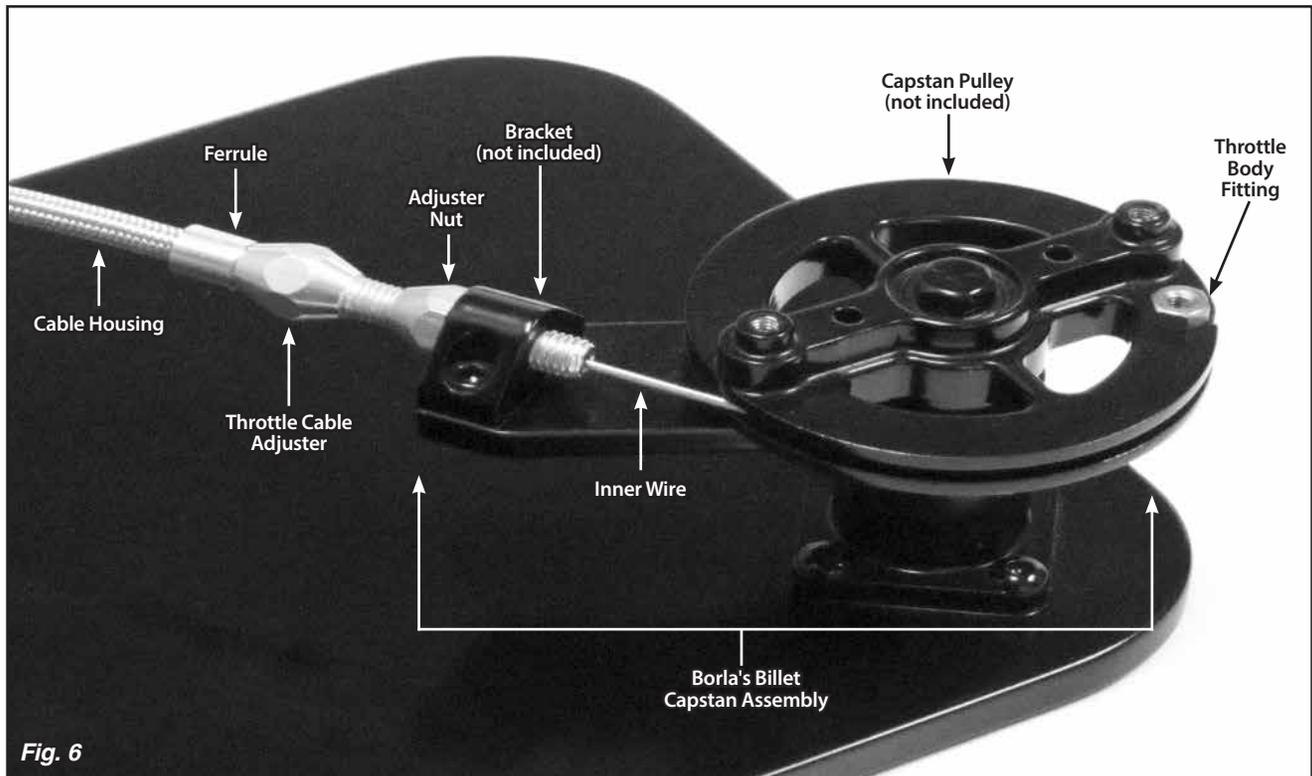
**Fig. 3**



**Fig. 4**



**Fig. 5**



**Fig. 6**