

Truck Throttle Body Adapter Installation Instructions

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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.

We recommend using anti-seize lubricant on all aluminum threads.

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

This Throttle Body Adapter kit is designed to adapt a drive-by-wire throttle body (not included) from a GM truck or SUV with a 4.8L, 5.3L, or 6.0L engine from 2005 through 2013 to a 4150-style intake manifold flange and air filter.

Refer to Fig. 1 for the component names.

Step 1: If you have not already installed the 4150-style intake manifold (not included, available separately), install it now, following the instructions provided with the intake manifold.

Step 2: Place the provided 4150 intake flange gasket in position on the intake manifold.

Step 3: Install solid plugs or vacuum hose fittings (not included) into the 1/8" NPT vacuum ports in the throttle body adapter.

The throttle body adapter has one mounting ear that is not as tall as the others and has a countersunk bolt hole in it. That corner is where the throttle body motor and electrical connector will be, and it will be at either the driver side rear or the passenger side front corner. Install the throttle body adapter whichever direction will work the best in your application. **Fig. 2**

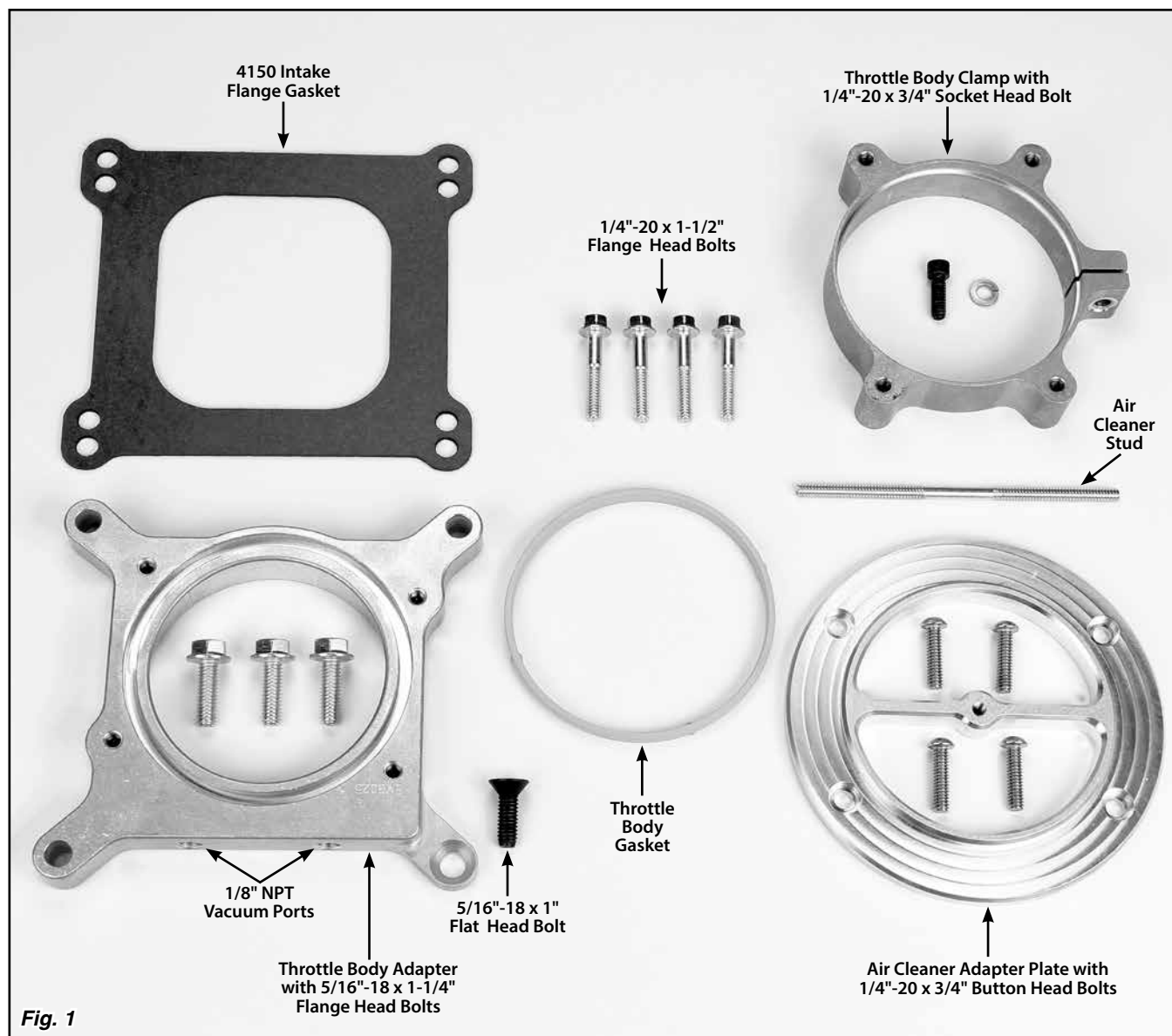


Fig. 1

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Step 4: Install three 5/16"-18 x 1-1/4" flange head bolts into the regular holes in the throttle body adapter, and one 5/16"-18 x 1" flat head bolt (3/16" Allen wrench size) into the countersunk hole. Tighten each bolt in a criss-cross pattern to 7 lb.-ft. **Fig. 2**

Step 5: Install the throttle body gasket into the groove on the top side of the throttle body adapter. **Fig. 2**

Step 6: Place the truck throttle body (not included) on top of the throttle body adapter, with the throttle body motor and the electrical connector over the corner with the flat head bolt. Install four 1/4"-20 x 1-1/2" flange head bolts and tighten in a criss-cross pattern to 5 lb.-ft. **Fig. 3**

Step 7: Remove the 1/4"-20 x 3/4" socket head bolt and lock washer from the throttle body clamp. The top of the throttle body clamp has a recess around the inside edge. Spread the throttle body clamp enough so it will slide over the throttle body. Push it down so the bottom of the throttle body clamp sits flush against the throttle body, and the lip at the top of the throttle body fits into the recess in the top edge of the throttle body clamp.

Reinstall and tighten the 1/4"-20 x 3/4" socket head bolt and lock washer in the throttle body clamp using a 3/16" Allen wrench. **Fig. 4**

Step 8: Install the air cleaner stud into the center hole in the air cleaner adapter plate, and thread it in until it bottoms out. The air cleaner stud will likely need to be shortened to fit the height of your air filter. It can be shortened from both ends if the unthreaded part interferes. **Fig. 5**

Step 9: Place the air cleaner adapter plate on the throttle body clamp. Align the four bolt holes in the adapter plate with the threaded holes in the throttle body clamp. Install four 1/4"-20 x 3/4" button head bolts and tighten using a 5/32" Allen wrench. **Fig. 5**

Step 10: Continue with the installation of your air cleaner assembly (not included).

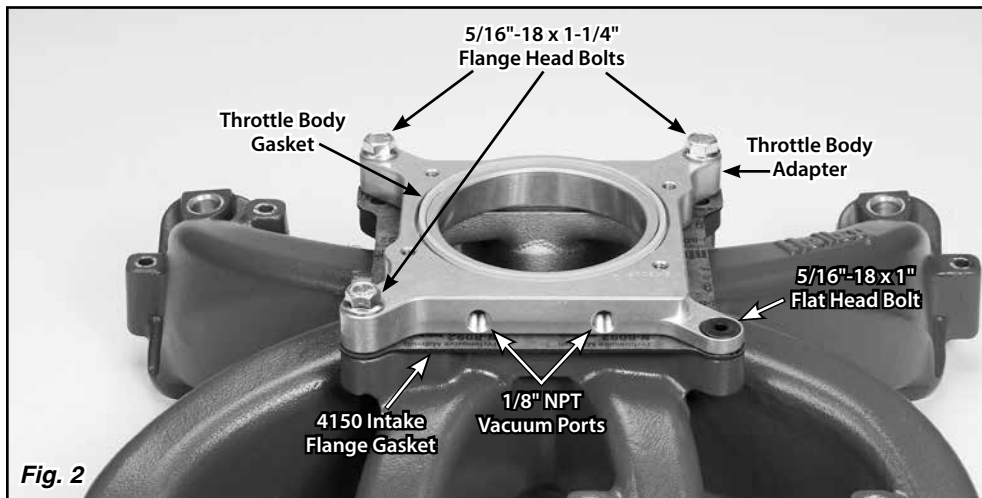


Fig. 2

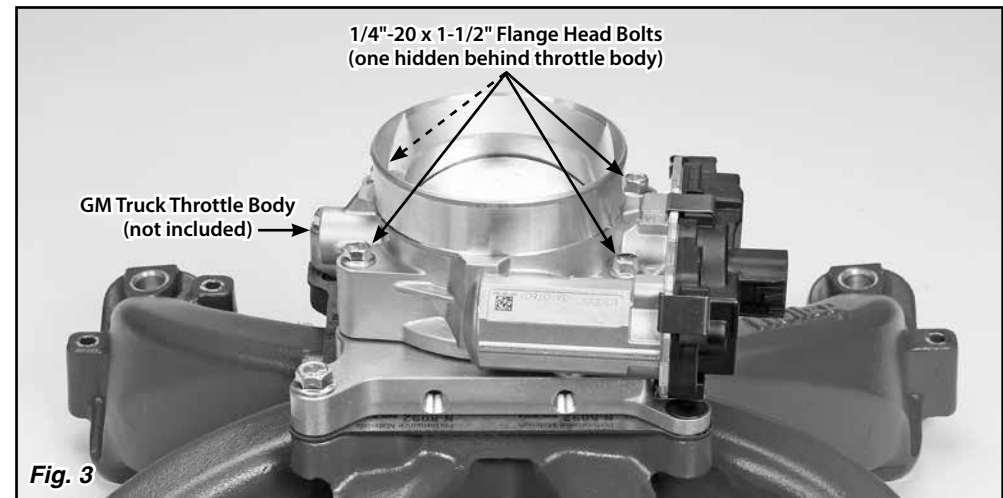


Fig. 3

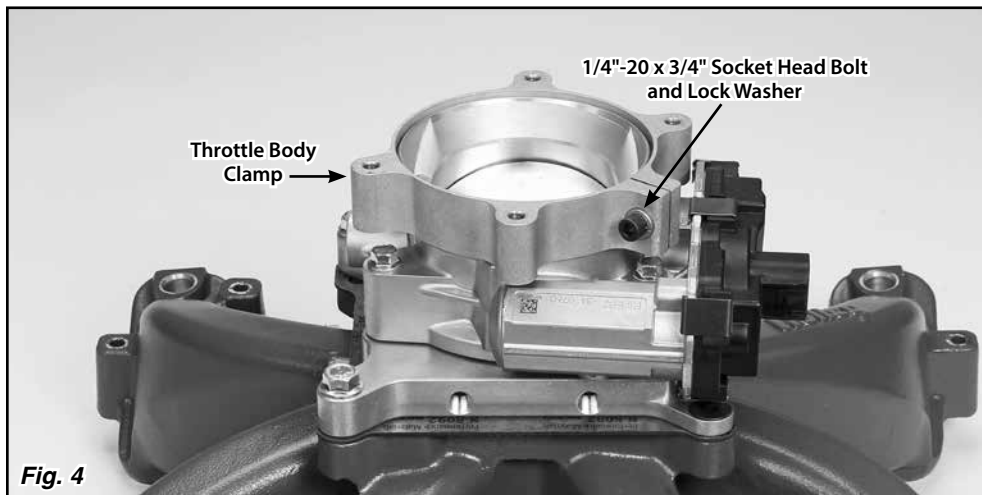


Fig. 4

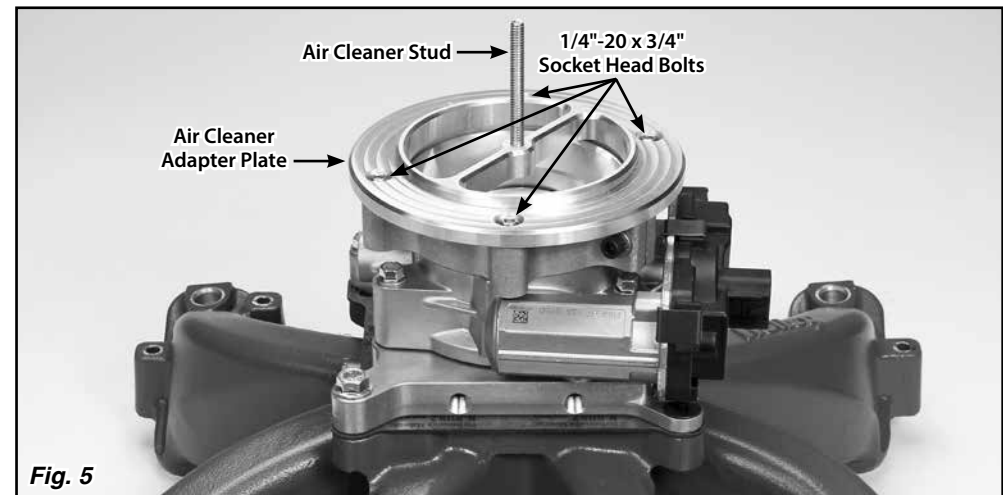


Fig. 5