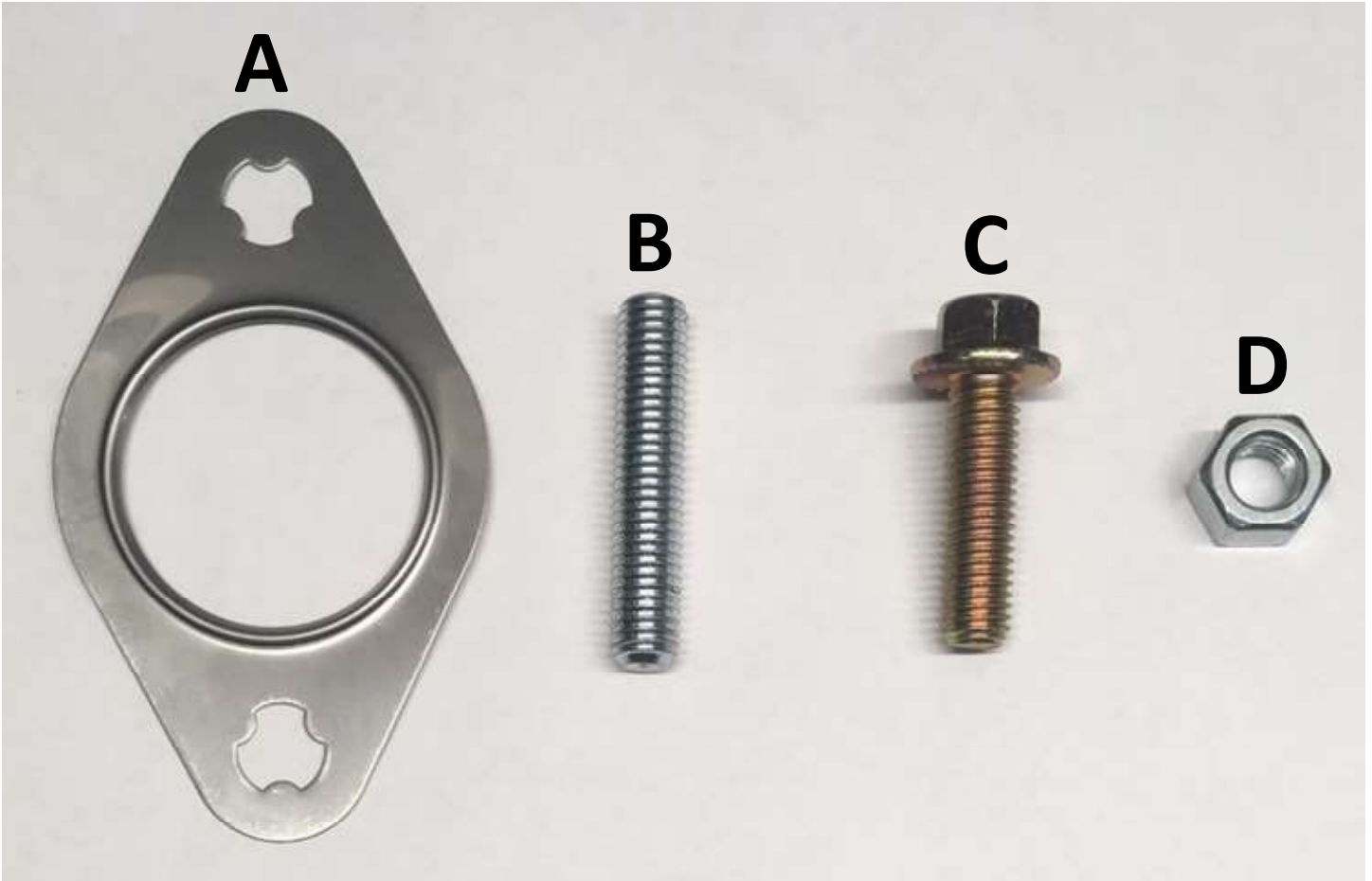


# 2003-2007; 3G Manifold Installation Instructions



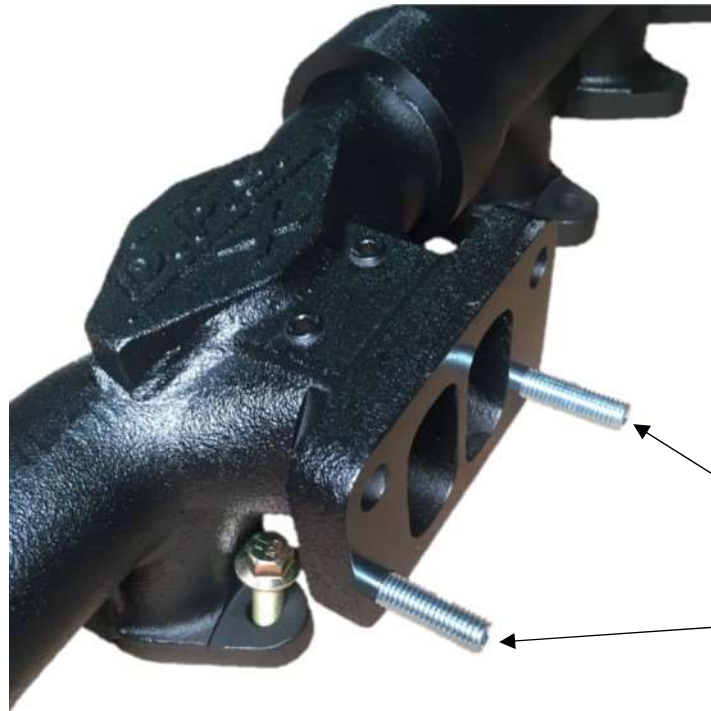
## 3G Manifold Hardware



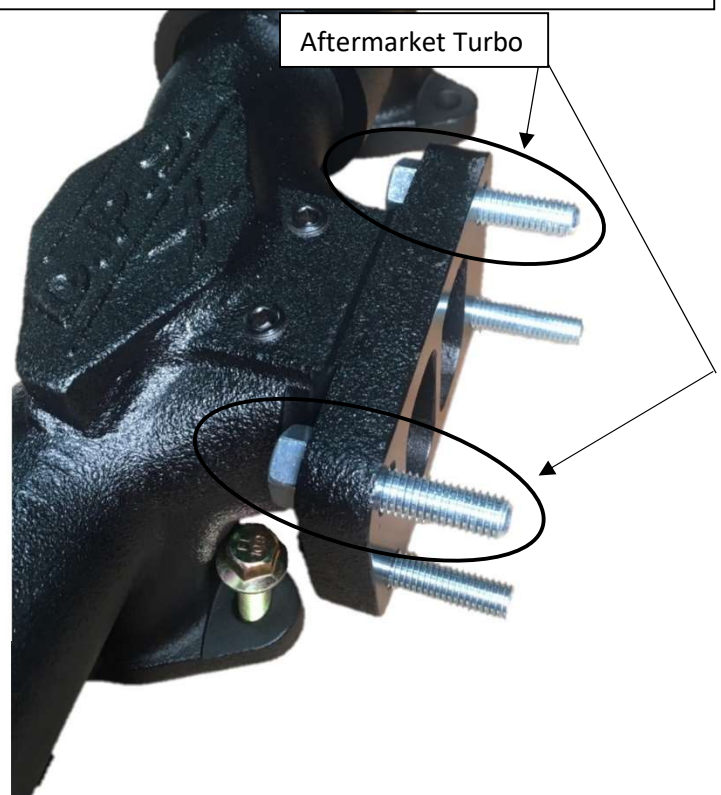
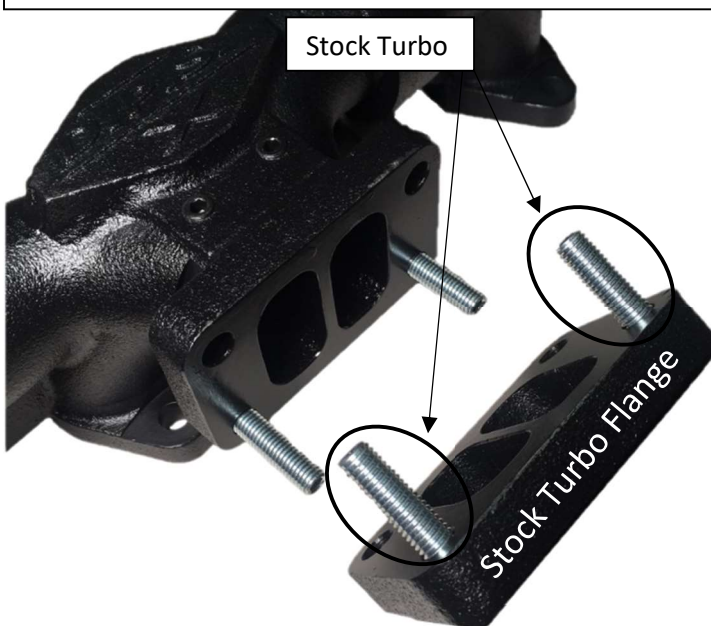
<u>Hardware Letter</u>	<u>Hardware Specification</u>	<u>Quantity</u>
A	24V Manifold Gasket	6
B	M10 – 1.5 x 50mm Stud	4
C	M10 – 1.5 x 30mm Flange Bolt	1
D	M10 – 1.5 Nut	6

# Manifold to Turbo Instructions

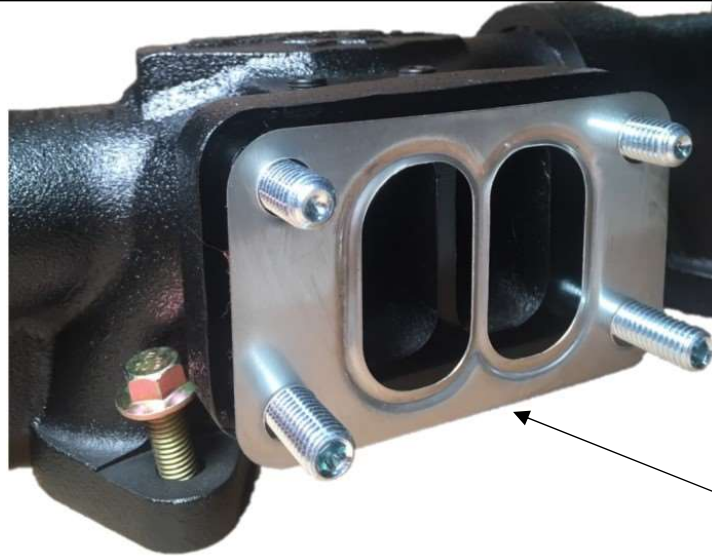
**Step 1:** Thread two **B** studs into the two threaded manifold holes.



**Step 2:** For an **aftermarket turbo** push the last two **B** studs through the non-threaded manifold holes. On the back side of the T3 manifold flange thread two **D** nuts onto the **B** studs. For a **stock turbo** thread the last two B studs into the threaded holes on the stock turbo flange. The pictures below show the difference between the stock and aftermarket turbo flange hardware.



**Step 3:** Install the turbo charger onto the manifold ensuring that a T3 gasket is placed between the manifold and turbo flange. Hold the turbo in place and proceed to step 4. (Note: T3 gasket is not included with the 3G manifold.)



**Step 4:** For an **aftermarket turbo** thread the last four **D** nuts onto the **B** studs that pass through the back side of the T3 turbo flange. For a **stock turbo** thread two **D** nuts on the back side of the T3 manifold flange where the **B** studs pass through. Also thread two more **D** nuts on the back side of the T3 turbo flange where the **B** studs pass through. You will have two **D** nuts left over. The pictures below show the difference between the stock and aftermarket turbo flange hardware.

Stock Turbo



Aftermarket Turbo



# Manifold to Engine Block Instructions

To install your new Diesel Power Source 3G manifold to the engine head you will need 11 stock manifold bolts, the provided bolt **C**, and six of the provided **A** gaskets.

- Use **A** gaskets to seal manifold ports against engine head. (Note: Ensure raised portion of the gasket is directed towards the manifold face.)
- Use stock bolts and provided bolt **C** to fasten the manifold to the head. Tighten the bolts to 35 ft-lbs. (Note: Ensure that bolt **C** gets located in the correct bolt hole as highlighted in the pictures.)



After installation, drive truck for approximately 100 miles then, while the truck is warm re-torque all the manifold and turbo bolts, as the bolts sometimes loosen up after being heated and cooled a few times.