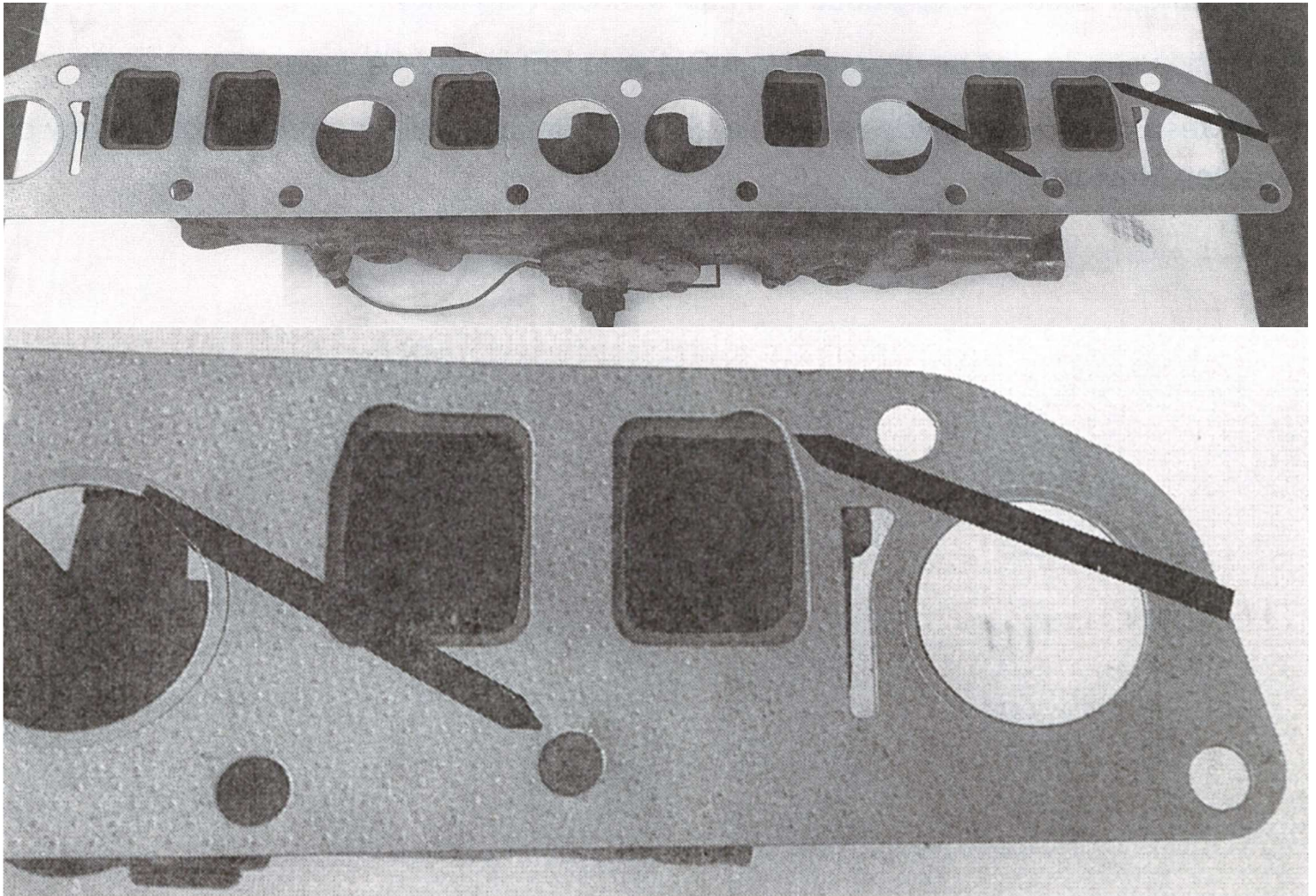




Titan Engines

Transforming the 258 to a 4.7 Stroker

- The 4.0 engine platform is a great alternative to replace the 258 in the CJ's and early Wranglers.
- We are using the AA 4.0 block 1987-1999. This is the best choice for the project.
- The cylinder head is 7120, 0630, and the 0331 head. We also have available a new and improved 0331 casting.
- The 4.0 is the same size externally as the 258. You can use the 258 flywheel and clutch assembly. Make sure you check the pilot bearing/bushing.
- You will need to purchase the 4.0 header, or exhaust manifold.
- The 258 intake manifold can be used. You will need to place the 4.0 intake gasket on the manifold. Align the top of the port with the top of the gasket. You will notice the alignment pins do not match. You will need to file or grind the bottom of the pin holes on the intake so the intake will sit on top of the pins.



- You may have an intake that will require a larger washer to hold to the cylinder head.
- The water pump, thermostat, and balancer will work on the 4.0
- The 258 oil pan and pick up is a direct fit. The timing cover is also a direct fit.
- All the accessories should also be a direct bolt on.
- The left side (driver's side) motor mount bracket will need some fabrication
- The rear hole on the bracket will need to be drilled out to ½ inch
- The bolt hole in the block is 12mm x 1.25 thread
- The only change to any of this is the power steering bracket
- First, fasten the power steering pump to the water pump. You will notice the bolts do not line up.
- You need to elongate the holes. This will allow the bolts to fit
- If you have the wrangler aluminum 15 bolt valve cover, you can bolt it to the 4.0 head
- The carburetor and ignition will also work; set your timing at 8-10 degrees as a beginning point.
- You may need to tweak it as you drive and need peak performance.
- The 4.0 does not have a fuel pump outlet. You will need to install an electric pump. The best place to install the pump is the left frame rail. This keeps it out of the way. The return line can be plumbed anywhere out of the way.
- The power source should be run to the ignition side of the switch. As always, follow the manufacturer's instructions for the pump you use.
- The oil filter needs to be for the 4.0
- The carburetor should be upgraded to a 2bbl Motorcraft, Holley or Webber.
- The ignition should also be upgraded to a GM style HEI for the 4.0 jeep
- We can help you locate parts for this sort of upgrade.



www.TitanEngines.com

(352)-732-8006