



General Gasket Installation Tip



CLEAN MATING SURFACES OF FOREIGN MATERIAL

All foreign material should be removed from sealing surfaces. Debris not removed can prevent a good seal. Sometimes, debris can even damage the block, gasket, and head. You also may wish to use a degreaser. On iron components, use a scraper and wire brush. Use a non-metallic scraper on aluminum surfaces since they are easily damaged. Be careful when using conditioning discs. Some discs contain aluminum oxide, a very hard and aggressive abrasive. Cover oil and coolant ports when using and clean surfaces with a cleaning solution.



CHECK SURFACE FINISH

Preparing the engine surfaces is crucial to sealing. Utmost care must be utilized to insure OEM mating surface finish and flatness is maintained. The use of any tool that alters the surface is strongly discouraged. High speed pneumatic or electrically powered rotary tools that utilize surface preparation discs or brushes can quickly damage the mating surfaces. Rigid metal scrapers can also scratch when cleaning aluminum or plastic surfaces and must be avoided. This is especially true when installing Multi-Layered Steel (MLS) gaskets. The flatness and surface finish is important to sealing the engine, the aesthetic appearance of the surface is not. If surfaces are to be re-machined, insure OEM surface quality is maintained.



REPLACE TORQUE-TO-YIELD BOLTS

*Most modern engines use Torque-to-Yield cylinder head bolts. Engine manufacturers specify this design to obtain a more accurate clamping force on the surface of the gasket. These bolts use a "Torque turn" method of tightening. Typically, the bolts are torqued to a specification, then are turned an additional specified number of degrees. This stretches the bolt to its yield point for optimal application of clamp load. **DO NOT attempt to reuse a Torque-to-Yield bolt.** Used Torque-to-Yield bolts are permanently stretched and will not apply the proper load to the gasket to maintain a long term seal.*

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INSTALL DRY

*Victor Reinz® head gaskets are designed to be installed dry. Do NOT apply a sealant of any kind to Victor Reinz® head gaskets. Supplemental sealants will attack the precision elastomer coatings and result in an improper clamping force on the gasket. **USE RTV ONLY WHEN DIRECTED!***

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