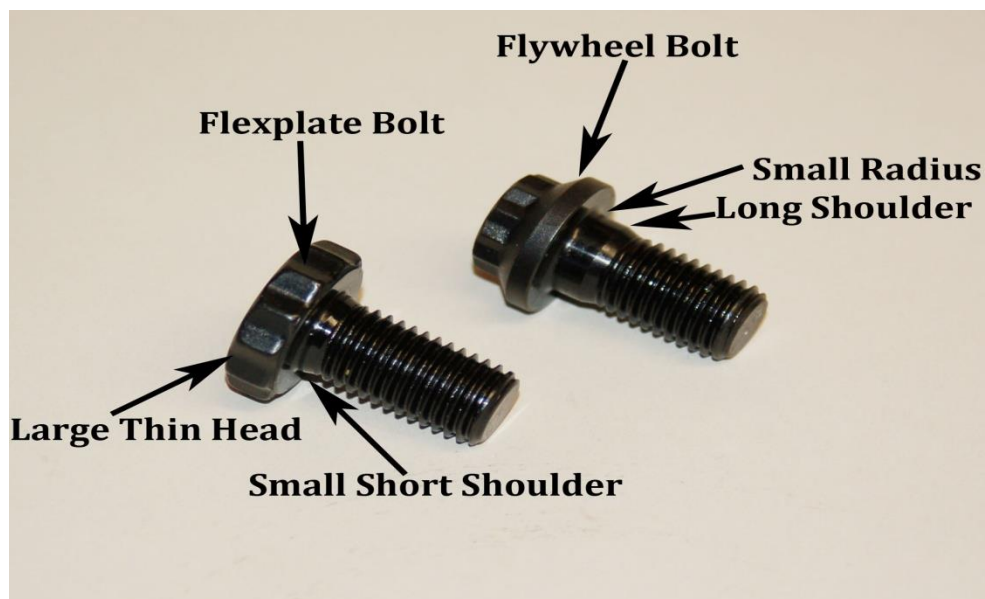




Performance Engineered Driveline Components

Flywheel Bolt Tech Tip

When installing a McLeod flywheel be certain to use the proper fasteners to secure the flywheel to the crankshaft. All bolts were not created equal! A common mistake is to use flexplate mounting bolts to attach a flywheel to the crankshaft. **You must use a flywheel bolt!** The main differences are the bolt head and the shoulder area. A flywheel requires a bolt head with a small radius at the shoulder location to allow proper contact at the flywheel mounting hole locations. The shoulder of the bolt must fit snugly at these hole locations. The shoulder of the bolt takes the torsional load on a flywheel bolt. The threads on a flexplate bolt will not handle these torsional loads when used to mount a flywheel. If attempting to use flexplate bolts you will find there is very little or no shoulder as a typical flexplate is quite thin (~.090 - .140" thick). A large diameter short head bolt is ideal for a flexplate as there is little clearance between the bolt head and the torque converter. A flywheel/clutch system has more available space and a taller bolt head is utilized. Be certain to torque the bolts to the proper torque specification as recommended by the engine manufacturer. The photo below shows the key differences between these two fasteners.



Limited Warranty

McLeod Racing LLC, products are warranted to be free from defects in material and workmanship for the period of ninety (90) days, from the date of purchase. McLeod does not warrant or make any representations concerning its products when not installed and/or used strictly in accordance with the manufacturer's instructions for such; installation and operation, and in accordance with good installation and maintenance practices of the automotive industry. Products purchased used do not carry a warranty. This warranty is to the original purchaser and is non-transferable.

McLeod Racing LLC will not be held liable for the labor charges and other intangible or consequent losses that might be claimed as a result of the failure of any part, nor shall it be liable for damages or injury to persons or property resulting from the misuse or improper installation of any part subject to this warranty.

No merchandise may be returned for any reason unless prior return merchandise authorization number (RMA) has been obtained from McLeod. An RMA number may be obtained via www.mcleodracing.com or by calling McLeod directly.

McLeod Racing LLC reserves the right to examine all parts returned for warranty claim to determine whether or not any such part has failed because of a defect in material or workmanship. McLeod's obligation under this warranty shall be limited to repairing, replacing or crediting, at its option, any part found to be defective. All products returned to McLeod for warranty inspection must be prepaid by the customer under this warranty.

In a racing environment, the type of stress placed on automotive parts can vary dramatically by the type of use, driving style, track preparation, differing tire style and other variables that are out of McLeod's control. For this reason, any parts used in a racing environment shall be void of any warranty either expressed or implied.

There are no other warranties, either expressed or implied including, but not limited to, warranty of merchantability, and warranty of fitness for a particular purpose which extend beyond those set forth in the preceding paragraphs. This warranty shall be interpreted and applied in accordance with California law.

For any changes or updated versions of the warrant described above, please refer to www.mcleodracing.com before installation of product.