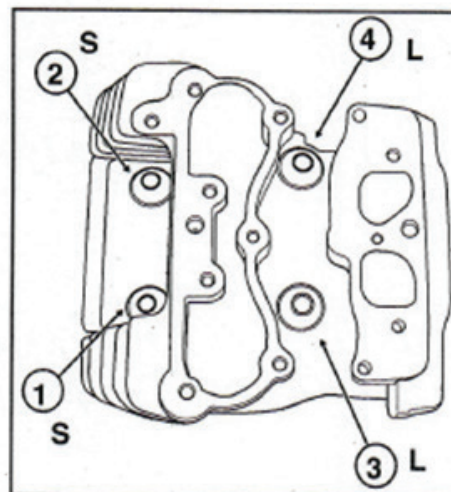


Cometic MLS Head Gasket Instructions for Harley Davidson Evolution and Twin Cam applications

NOTE: DO NOT USE THE CYLINDER HEAD ALIGNMENT DOWEL O-RING WHEN USING AN MLS GASKET.

NOTE: COMETIC GASKET RECOMMENDS THE HEAD BOLTS BE SET AT A FINAL TORQUE OF 42FTLBS.

1. Check all gasket surfaces for flatness and imperfections, an excessively rough finish may cause gasket failure. A 50RA surface finish is recommended.
2. Check all hardware for defects, clean all threads and lubricate with light machine oil. Including the underside flange of the head bolts. (Wipe away any excess.)
3. There are two short and two long head bolts. The short go on the spark plug side while the long go on the push-rod side.
4. Before installing the head, place the head gasket on the cylinder and locate the gasket using the cylinder head alignment dowels (NOTE THE GASKET IS EMBOSSED AROUND THE DOWEL AREA AND THE DOWEL HOLES ARE SMALLER. DO NOT USE DOWEL ALIGNMENT O-RINGS WITH AN MLS GASKET.)
5. Once the gasket is located in place make sure the gasket fits your bore. The gasket should not hang in the bore or combustion chamber in any area.
6. If using a head or cylinder other than stock, check brass rivet location to ensure the rivet does not interfere with the sealing surface in any way. Some after-market castings are substantially larger than stock castings and may interfere. Simply remove the brass rivets, "side cutters work well".
7. Once proper fitment is established proceed with head installation and torque. (NOTE: SEE ILLUSTRATION FOR SEQUENCE.)
8. Alternately snug all the head bolts finger tight.
9. In sequence tighten all head bolts to 9 ft-lbs. Then in sequence tighten all head bolts to 14 ft-lbs. Again in sequence tighten all head bolts to 22 ft-lbs. Then in sequence tighten all head bolts to 35 ft-lbs and finally torque all head bolts to a final torque of 42ft-lbs in sequence.



S= Short Bolt
L= Long Bolt

Note: Failure to comply with any or all of these instructions may result in premature failure of the head and or base gasket.

Note: All other models Pan Head, Shovel Head & Iron Sportster use factory torque specs when using an MLS head gasket.