40 Huntingwood Drive Huntingwood NSW 2148

Phone: (02) 8825 1999 Website: www.aeroflowperformance.com

AEROFLOW PERFORMANCE

HEAD STUDS

INTRODUCTION

Congratulations on your purchase of Aeroflow Performance Head Stud Kit. Aeroflow Performance products cannot and will not be responsible for any damage, or other conditions resulting from misapplication of the parts described herein. However, it is our intention to provide the best possible products for our customer, products that perform properly and satisfy your expectations. Should you have any questions? Please call technical support at +61 2 8825 1900 and have the product part number on hand when calling.

Aeroflow Performance head studs greatly improve your cylinder head-to-block sealing compatibilities. This is important in engines with high power adders such as turbochargers, superchargers or nitrous. They can even be a great addition to a mildly modified build as insurance against gasket failure. All head studs provide a more accurate and consistent torque loading overhead bolts. These head studs are manufactured from aircraft quality 8740 high tensile strength chromoly steel and cold-forged to ensure molecular integrity within the stud. Meaning these studs are rated up to 190,000 psi making them stronger than Grade 8 and OEM fasteners. All kits come complete with 12-point nuts, hardened washers and Aeroflow anti seize grease for an even load distribution and accurate torque readings.

AF37-2025 GM LS to suit all OEM and aftermarket cylinder heads from 2004 Models and Onwards. All Studs are the same length.

INSTALLATION GUIDELINES

1. To ensure proper thread engagement and accurate torque settings when installing these studs/bolts. You must clean all threads in the engine block/cylinder head and the bolts/studs themselves. A thread chaser and/or tap and die is recommended to clean all defects in thread.
2. Always clean and inspect all bolts/studs prior to installation. Always look for defects or shipping damages in all hardware included in the kit from bolts/studs to washers and nuts.
3. Inspect all bolts/studs to ensure proper fitment with correct dimensions and threads to the correct application.
4. If any bolts/studs protrude into a water jacket in the engine block, it is a must to seal them. We recommend the use of an appropriate thread sealer to be used on these bolts/studs.
5. Clean the spot faces on the cylinder head where the washer seats, use of solvent or brake/carb cleaner is recommended. The cylinder head and washer mating surfaces must be free of oil/grease/lubricant. Failure to keep these surfaces dry may result in inconsistent preloads.
6. Lubricate all bolt/stud threads, nuts and washers with an appropriate fastener assembly. We recommend the Aeroflow Anti Seize Fastener Lubricant that is included in each kit or also sold separately if required.
7. Screw all bolts/studs into the engine block/cylinder heads. If any resistance is felt – stop! If you experience resistance, back out the bolts/studs and inspect the threads in both sections; clean the threads as needed. All bolts/studs should be installed to be hand tight only during the first stage of installation.

TORQUE RECOMMENDATIONS

8. We recommend to follow the manufacturers recommended torque sequence in the service manual, as each engine is different. We recommend to use these torque specs to tighten these Aeroflow bolts/studs, tighten in three equal steps up to **70 ft. lbs or 94Nm** for all the M11 Studs included. For the smaller M8 bolts tighten in one step up to **28 ft. lbs or 38Nm.** Ensuring to use the correct fastener lubrication under the head of the nuts and washers to ensure the correct torque setting.

For more information or technical enquires

Contact: Aeroflow Performance on

Phone: (02) 8825 1979 Website: www.aeroflowperformance.com