



KS tuned | 110 N Gum St | Kennewick, WA 99336

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### Installation Instructions for KS tuned Connecting Rods

**MATERIAL:** FORGED 4340 STEEL

**TORQUE SPECIFICATION:** 45 FT/LBS WITH SUPPLIED ARP MOLY LUBRICANT

\*\*\* YOU MUST USE THE SUPPLIED LUBRICANT OR ELSE THE ABOVE TORQUE SPEC IS NOT APPLICABLE. IF YOU USE ANY OTHER LUBE, YOU MUST USE THE BOLT STRETCH METHOD. \*\*\*

**BOLT STRETCH:** .0055" - .0060"

### CLEARANCES:

ROD BEARING OIL CLEARANCE: .0017" - .0025"

ROD SIDE CLEARANCE: .010" - .016"

WRIST PIN OIL CLEARANCE: .0008" - .0015

\*CLEARANCE BETWEEN THE CONNECTING ROD AND ANY PART OF THE BLOCK OR GIRDLE MUST BE A MINIMUM OF .060"

### INSTALLATION METHOD:

WHEN TIGHTENING THE ROD CAP, SLOWLY TIGHTEN DOWN EACH SIDE A LITTLE AT A TIME. THIS WAY THE CAP IS SURE TO SEAT PROPERLY AGAINST THE ROD. DO NOT TIGHTEN ONE SIDE OF THE ROD CAP COMPLETELY WHILE THE OTHER SIDE REMAINS LOOSE AS THIS CAN CAUSE THE ROD CAP TO BECOME COCK-EYED!

\*RE-USING ROD BOLTS: IT IS OK TO RE-USE AND RE-TORQUE THE SUPPLIED ROD BOLTS AS LONG AS THE BOLT LENGTH DOESN'T EXCEED IT'S ORIGINAL LENGTH BY MORE THAN .001".