

Installation Instructions for 83450 Premium Engine Bolt Kit

Includes:

HEAD BOLT WASHERS

MACHINED HEAD BOLT WASHER

SHORT HEAD BOLTS

(See Head Bolt instruction below)

HEAD BOLT, 7/16"-14 X 1"

INTERMEDIATE HEAD BOLTS

(See Head Bolt instruction below)

HEAD BOLT, 7/16"-14 X 3"

LONG HEAD BOLTS

(See Head Bolt instruction below)

HEAD BOLT, 7/16"-14 X 3"

VALVE COVER STUD KIT

1/4"-20 X 1-3/4" SET SCREW

1/4"-20 SS NYLON NUTS

1/4" STAINLESS AN WASHER

INTAKE MANIFOLD BOLT

3/8"-16 X 1-1/8" 12PT.

3/8" HARDENED WASHER

TIME COVER BOLTS

1/4"-20 X 1/2" HH FLG. BOLT

BALANCER BOLT

7/16"-20 X 2.5" HIGH HHCS

7/16" LOCKWASHER GR. 8

BALANCER WASHER

HEADER BOLTS

HEADER BOLT 3/8"-16 X 1"

OIL PAN BOLTS

1/4"-20 X 1/2" HH FLG. BOLT

5/16"-18 X 3/4" HH FLG. BOLT

SHORT WATER PUMP BOLTS

3/8"-16 X 2.5" GRADE 5

3/8"-16 X 1.75" HHCS

3/8" SPLIT LOCK WASHER

LONG WATER PUMP BOLTS

3/8"-16 X 2" HHCS GR. 5

3/8" SPLIT LOCK WASHER

WATER NECK BOLTS

3/8"-16 X 1" HHCS GRD. 5

3/8" STAINLESS AN WAS

FUEL PUMP BOLTS

1/4"-20 X 1/2" HH FLG. BOLT

3/8"-16 X 1-1/2" HHCS

3/8" SPLIT LOCK WASHER

1/4" STAINLESS LOCK WWASHER

DISTRIBUTOR BOLT

3/8"-16 X 1" HHCS GR. 5

3/8" STAINLESS AN WAS

CAM BOLT KIT

CHEVY CAM LOCK'G RETAINER

5/16"-18 X 3/4" HHCS

CARB STUDS KIT 1-1/2"

RTV SILICONE GASKET MAKER

Head Bolt installation Instructions: (170,000 PSI - 7/16" Diameter)

1. To ensure proper thread engagement and accurate torque readings, clean ALL threads in the block. Chase if necessary with JEGS thread chaser set #555-80505.
2. Clean and inspect all hardware prior to installation. Check proper fit and length.
3. Position the chamfered side of the washer on the bolt so it faces the bolt head. This is done to clear the radius on the under head of the bolt. **Note:** Improper installation of the washer will cause premature bolt failure.
4. If the cylinder head bolts protrude into a water jacket, lubricate the threads of the bolts with JEGS #555-28011 thread sealant.
5. If the cylinder head bolts protrude into a blind hole, lubricate the threads of the bolts with 30wt. motor oil.
6. Install the cylinder head(s) and check for binding or misalignment.
7. Lubricate the under head of the bolt and washers with 30wt. motor oil. Then install the bolts into the cylinder head and tighten them hand tight.
8. Following the manufacturers recommended torque sequence, tighten the bolts in three equal steps to 70 ft. lbs.



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