Please read all instructions before installation.

Torque Sequence

Note: We urge you to use moly lube instead of engine oil for this installation. Using moly lube will give you the most holding force and greatest reliability. The torque specifications in this manual are only valid when using the moly lube. We recommend “International Compound #2” made by Detroit Diesel, part # 5198563.
If using a new head gasket:

1. Remove the existing bolts and head gasket.

2. Use a 12mm x 1.75 bottoming tap to clean the bolt holes and remove all debris from the hole. Apply a small dab of engine oil to the stud threads that will go into the engine block and install a stud into the hole by hand to verify that the chamfered shoulder of the stud bottoms out in the block. If it doesn’t, re-tap the hole. Only tighten the stud finger tight.

3. Apply a conservative amount of Moly Assembly Lube to the exposed stud threads, as well as both sides of the washer, and torque all studs to 50 ft-lb, loosen all to 50 ft-lb, re-torque all to 50 ft-lb in sequence, torque all to 100 ft-lb in sequence and stop.

4. After all studs have been torqued to 100 ft-lb, torque them to 125 ft-lb in the proper sequence.

5. Retorque Procedure-
   a. Leave valve cover off, start vehicle and let run until it reaches operating temperature.
   b. Retorque studs to 125 ft-lb.
   c. Check valves, re-adjust if necessary.
      INTAKE- 0.008 (on hot engine)
      EXHAUST- 0.018 (on hot engine)