



RECOMMENDED ENGINE BREAK-IN PROCEDURE

Cummins / Duramax does not publish a specific time or mileage threshold that provides information when an engine is considered to be broken-in since our engines are used in such a variety of applications and purposes. Here are some general guidelines to consider when breaking-in your new engine:

- 1.** Before starting the engine for the first time, make sure all fluid levels are to OEM specs. Joe Gibbs Break-In Engine Oil must be used for the initial 300-500 miles. All fuel system components have been cleaned and tightened. Valve lash has been adjusted to OEM specs.
- 2.** Start engine, make sure you have proper oil pressure and check for leaks. Run engine for approximately 20 minutes while varying RPM every few minutes from 1500 RPM to 1800RPM. If the coolant should "boil over," stop engine and allow to cool. Remove any and all air from cooling system and start recommended break-in procedure again.
- 3.** We recommend re-torquing the cylinder head(s) to manufacturer's specifications in proper sequence after initial break-in procedure has been completed. Re-adjust valve lash if needed. If you do not know these specifications please contact Industrial Injection at 800-955-0476.
- 4.** Operate vehicle for 300-500 miles under light loads only. During this period, the piston rings may not have had a chance to fully seat yet, which allows cylinder pressure to pass by the rings into the crankcase, causing minor blowby. This is normal. After the initial 300-500 mile break-in process the piston rings should be fully seated and that initial blowby will go away. Change oil and filter(s) to OEM specs.
- 5.** Enjoy your new Industrial Injection Engine to its full potential!