



Erson Cams Recommendations

****Erson Recommends that all Camshafts be degreed in the engine****

Oil and Additives:

It is highly recommended that you use a conventional SF or SE grade SAE 20 or SAE 30 weight NON DETERGENT Motor oil with break in additive (Erson E911000) or Joe Gibbs Racing Oil's Engine Break-In Oil (pn. 00107). Due to the high ratio of detergents to zinc in new generation diesel oils, its use is no longer recommended for flat tappet camshafts. Do not use any other oil additives at this time. Coat cam lobes with the Cam Lube supplied with the camshaft. Prime the oil system by turning the oil pump manually.

Break in Procedure:

Before starting the engine, be sure it is ready to run (oil, water, fuel, ignition timing, etc.) Upon starting the engine bring the RPM up to 2000 RPM.

Run engine at 2000 RPM for at least 20 minutes.

If you must make adjustments during the break-in period, shut the engine down.

Do Not Let The Engine Idle.

Recommended Valve Spring Pressures:

Note: The pressure figures given here are guidelines only. Some special applications may require different pressures. When in doubt, please contact the Erson Technical Department (800-641-7920)

Hydraulic Flat Tappet Camshaft: 110 lbs Seat pressure / 250-280 lbs open pressure

Solid Flat Tappet Camshaft: 135-145 lbs Seat Pressure / 350-380 lbs open pressure

Hydraulic Roller Camshaft: 130 lbs Seat Pressure / 300- 325 lbs open pressure

Solid Roller Camshaft:(Minimum Safe Pressures)

Up to .600" valve lift: 200-235 lbs Seat Pressure / 600 lbs open pressure

Over .600" valve lift: 250-280 lbs Seat pressure /
100 lbs pressure for every .100" of valve lift

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