



Engine Assembly Lube Supplement

Part No. 4281K -12-ounce PVC container

Two Products in One

Champion® Engine Assembly Lube Supplement is specially formulated to provide an extra lubricating film barrier of protection critical to proper engine components assembly, and is recommended for use as an oil supplement in engine applications that require higher treat rates of anti-wear, lubricity, and friction reducing additives including zinc-thiophosphates, sulfonates, and phenates, not found in motor oil alone.

Engine Assembly Lube

Failure to clean and lubricate parts properly during engine assembly is among the top reasons for premature engine failure in a newly rebuilt engine or low mileage failure. Camshaft lobes require a high-pressure engine assembly lube that will provide a tough film barrier until the engine is started and oil reaches the cam. Bearings and cylinders must be well coated to prevent a dry start.

Champion® Engine Assembly Lube Supplement is favored by professional mechanics for assembling valvetrain components. It provides outstanding resistance to scuffing, wear and friction during critical break-in. Recommended for use on several different engine components, such as: rocker arm fulcrum balls, needle bearings, roller tips or rocker shafts; timing chain sprockets and gears; roller lifters and roller camshafts; engine bearing surfaces; outer surface of hydraulic or mechanical lifter bodies.

Directions:

Crank & Cam Bearings: Apply directly and liberally to bearings and journals prior to installing camshaft and crank. **Lifters:** Apply to camshaft lobes. Dip base of lifters into product. **Oil Pump:** Fill oil pump cavity with product to facilitate priming. **Engine Bores:** Liberally coat engine bore with product prior to piston installation. **Piston, Ring & Wrist Pin Assembly:** Liberally coat piston sidewall, ring, and piston/rod wrist pin prior to piston installation.

Engine Oil Supplement

Motor oils are carefully formulated lubricants that perform many important functions including cooling engine parts, keeping them clean and protecting them against rust, corrosion and wear. Unfortunately, some of the most important ingredients providing engine oil its ability to form a cushion between moving parts has been significantly reduced in past years. Motor oil today is designed to meet the needs of the family car and falls short of the protection needs of high revving/horsepower engines.

Champion® Engine Assembly Lube Supplement is highly concentrated with anti-wear agents sought after by engine enthusiasts seeking high doses of zinc-thiophosphates, sulfonates, and phenates to super-boost engine oil protection, prevent sludge formation, keep high performance engine running efficient.

Directions:

Add one 12-ounce bottle in up to 6 quarts of quality motor oil and increase anti-wear additives in API Service: SM gasoline engine oil 50% and in API Service: CJ-4 diesel engine oil by 35%. Increases zinc anti-wear over 420 parts per million.

**For more information contact The Racing Rep
at 916.482.9940 or sales@racingrep.com**

