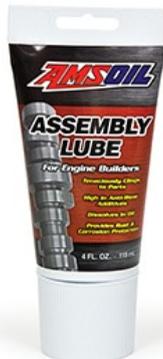


Bearing & Chassis Grease

AMSOIL ENGINE ASSEMBLY LUBE

Product Code: EALTB-EA

Protect your engine build with long-lasting assembly lube that prevents wear, rust, and residue for a clean, reliable first startup.



Product Description

AMSOIL Engine Assembly Lube delivers tenacious, long-lasting protection for critical engine components during the build process and through that nerve-wracking first startup. It is purpose-built for anyone assembling or rebuilding a four-stroke engine, from flat-tappet cam LS swaps to high-RPM naturally aspirated race motors.

The moment you fire a freshly built engine, oil pressure is essentially zero. Camshaft lobes, lifters, rocker arms, wrist pins, and bearings are running metal-on-metal for those first critical seconds. If whatever you coated those parts with during assembly has dried out, migrated off, or failed to stay put, you risk scuffing, galling, or outright failure before the engine ever makes a lap or leaves the driveway. That window of vulnerability is exactly what assembly lube exists to address, and not all assembly lubes handle it equally well.

TENACIOUS CLING THAT LASTS FOR MONTHS

Engine builds rarely happen over a weekend. Parts sit on the bench, partially assembled short blocks sit in garages, and projects stall out for weeks or months at a time. AMSOIL Engine Assembly Lube is formulated with a high-viscosity base oil and a unique tackifier that keeps the lube film right where you applied it, even over extended storage periods. It does not drip off bearing surfaces, cam lobes, or cylinder walls the way thinner products can.

HIGH ANTI-WEAR ADDITIVE CONTENT

Cling alone is not enough. The lube film itself has to resist the extreme loading that occurs at initial startup, particularly on flat-tappet camshafts and high-spring-pressure valvetrain setups where contact pressures are severe. AMSOIL Engine Assembly Lube is loaded with anti-wear additives that provide a sacrificial protective layer between metal surfaces during that brief period before oil pressure builds and full-flow lubrication takes over. This is especially relevant for builders running aggressive cam profiles on LS, small-block Chevy, or big-block Ford engines where cam lobe and lifter scuffing during break-in remains a persistent concern.

DISSOLVES CLEANLY IN OIL

This is where AMSOIL Engine Assembly Lube separates itself from grease-based alternatives. Products that rely on a grease carrier can leave behind residue that clogs oil passages, galleries, and ports. A blocked oil port in a freshly built engine is a catastrophic failure waiting to happen. AMSOIL Engine Assembly Lube is designed to dissolve fully into the motor oil once the engine is running, keeping oil ports clean and preventing deposit formation under valve covers and in the oil pan. You get the protection you need during assembly and startup without introducing contamination into the oiling system.

RUST AND CORROSION PROTECTION DURING STORAGE

A bare iron or steel surface exposed to garage humidity will start forming surface rust surprisingly fast. AMSOIL Engine Assembly

Lube contains dedicated rust and corrosion inhibitors that protect exposed metal components during the build process. If your short block is going to sit for a few weeks while you source parts or wait on machine work, the lube film actively resists moisture and oxidation on every surface it contacts.

PRECISE, CLEAN APPLICATION

AMSOIL Engine Assembly Lube comes in a 4-ounce squeeze tube rather than a tub. This makes targeted application to cam lobes, bearing journals, piston skirts, and wrist pins much cleaner and more controlled. Less mess on your hands, less waste on the bench, and better coverage exactly where you need it.

APPLICATIONS AND COMPATIBILITY

Recommended for any new or rebuilt four-stroke engine, including racing, performance, and stock applications. Apply to all areas susceptible to initial startup wear: camshaft lobes, lifters, rocker arm tips, pushrod ends, piston pins, ring lands, cylinder walls, crankshaft and rod bearing surfaces, and timing chain or gear contact surfaces. Compatible with conventional, synthetic blend, and full synthetic motor oils.

Frequently Asked Questions

Q1: What engines is AMSOIL Engine Assembly Lube recommended for?

AMSOIL Engine Assembly Lube (EALTB-EA) is recommended for any new or rebuilt four-stroke engine, including high-performance and racing engines. It covers a wide range of applications including auto/light truck, motorcycle, ATV, UTV, snowmobile, marine outboard, PWC, heavy-duty on-road, heavy-duty off-road, and agriculture equipment. It should be applied to all areas of the engine susceptible to initial startup wear, such as camshaft lobes, lifters, rocker arms, and bearings.

Q2: How does AMSOIL Engine Assembly Lube protect engine parts during first startup?

During initial startup, engines operate momentarily with little-to-no oil pressure, placing critical components like camshaft lobes, lifters, rocker arms, and bearings at high risk of wear and failure. AMSOIL Engine Assembly Lube is formulated with a high-viscosity base oil and a unique tackifier that clings tenaciously to parts, ensuring a protective barrier is already in place before oil pressure builds. It also contains high levels of anti-wear additives for additional protection during this critical period.

Q3: What makes AMSOIL Engine Assembly Lube formulation different from grease-based assembly lubes?

Unlike grease-based assembly lubes, AMSOIL Engine Assembly Lube is designed to dissolve in oil. Grease-based products can increase the risk of oil port clogging if the grease is not fully consumed at initial startup, potentially causing engine failure. Because AMSOIL Engine Assembly Lube dissolves in oil, it helps oil ports remain clean and helps eliminate deposit formation under the valve covers and in the oil pan.

Q4: How does AMSOIL Engine Assembly Lube compare to grease-based engine assembly products?

AMSOIL Engine Assembly Lube offers a significant advantage over grease-based assembly products because it dissolves in oil rather than remaining as a solid mass that can clog oil ports and cause engine failure. It is formulated with a high-viscosity base oil and a unique tackifier for long-lasting, tenacious cling to parts during extended build times, while also containing high levels of anti-wear additives and rust and corrosion inhibitors. Its convenient 4-oz. tube packaging also allows for cleaner, more precise application compared to other products.

Q5: How long can AMSOIL Engine Assembly Lube stay on engine parts before first startup?

AMSOIL Engine Assembly Lube is formulated with a high-viscosity base oil and a unique tackifier specifically because engine builds can take from a few days to many months to complete. It clings tenaciously to parts for extended periods and contains rust and corrosion inhibitors that protect exposed metal surfaces from moisture and oxygen during prolonged inactivity, so the engine is protected even if it sits partially assembled in a garage for a long time.

Q6: Is AMSOIL Engine Assembly Lube safe for high-performance and racing engines?

Yes, AMSOIL Engine Assembly Lube is specifically recommended for all four-stroke engines, including high-performance and racing engines. It contains high levels of anti-wear additives to protect critical components like camshaft lobes, lifters, rocker arms, and bearings during initial startup when oil pressure has not yet built up. Its oil-soluble formulation also ensures it dissolves cleanly into motor oil without clogging oil ports or leaving deposits, making it safe for performance-critical applications.

Available Product Codes

Product Code	Package Size	Unit of Measure
EALTB-EA	4 fl. oz. Tube	Each
EALTB-CA	4 fl. oz. Tube	Case of 12

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