

From Link to 170 OHV

Champion Overhead valve engines are remanufactured and assembled in three different packages. With some options available at your request.

Short block. Just a bare block Just a bare block with crankshaft, bearings, camshaft, oil pump, rods, pistons, rings valves and attaching parts. **You assemble all the external parts. Use your head, manifold, carburetor, distributor, water pump, motor mounts, generator, starter, harmonic balancer, valve covers and timing gear cover, flywheel, bell housing and oil pan. Oil filter if equipped.**

Long block includes, head, valve cover, oil pump, oil pan, front timing gear cover and harmonic balancer assembled to the engine. **You assemble all the external parts. And use your manifold, carburetor, distributor, water pump, generator, starter, motor mounts, flywheel, and bell housing.**

A complete run tested engine will have all the parts New or remanufactured so the engine can be moved from crate to auto, installed, add oil and drive. It will have a rebuilt intake and exhaust manifold, remanufactured carburetor, distributor, new fuel pump, oil pump, new water pump, spark plugs and wires, points, rotor, distributor cap, oil filter fully plumbed, the oil gage hose or sending unit will be attached. **Should you choose it can have a bell housing attached with flywheel and clutch system or a flex plate installed for automatic transmission. You will use your motor mounts and generator.**

All engines include re-machining of block to be sure it is square and surfaces are free of cracks and warpage.

Line bore is checked.

Cylinders are bored and New **US** made pistons are fitted individually to the bore. Same size rings are fitted to the cylinder and the pistons. Chrome rings are available.

New cam bearings are installed. On a short block **lifters are left boxed and lubricated, with the block for your installation.**

New oil pump or at least a pump overhaul kit is installed, providing the wear is not beyond limits.

The thrust on the camshaft is checked and a new cam gear is installed.

The crankshaft nearly always needs to be ground and fitted with appropriate sized rod and main bearings.

The latest material for these engines are used in the gaskets for best seal. The rear main seal is installed and the proper bolts for automatic transmission or flywheel are installed. All oil galley plugs are installed as well as water jacket soft plugs and camshaft plug. The remaining gaskets are shipped with the Short block

The block is painted the color for the year of your vehicle. The short block then wrapped in shrink wrap for shipping in a wooden container or prepped for pickup.

I build a substantial shipping crate that can be used to return ship your short block. There is a core charge on the block and shipping container, which is refunded upon the return of the block and shipping container. **Refunds are only available on parts that are suitable for remanufacture.**

Pictured is a finished unpainted short block.



Pictured is a Long block with water pump and distributor installed per customer instructions.

