

## Ford Clev. 6061 T6 Alloy Main Stud Girdle with ARP Main Stud Kit



clevmsg\_eng2mini.jpg

Pavtek Clev. Main stud girdle with ARP stud kit

Rating: Not Rated Yet

**Price:**

Variant price modifier:

Base price: \$ 500.97

\$ 455.43

Price: \$ 500.97

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### Description

#### 6061 T6 Alloy Ford Clev. Main Stud Girdle ( PT-393MSG )

Pavtek has produced a bolt-on Alloy Main Stud Girdle for Ford Cleveland Engines. This girdle requires no costly aftermarket main cap fitting.

Performance engines suffer from considerably higher stress loads compared to normal passenger car engines. Nitrous oxide injection, superchargers or turbochargers can more than double the normal amount of stress placed on main bearing caps, fasteners, and cylinder block main webbing. Aside from the power adders competitive motorsports such as drag racing, circle track or road racing can have an equal effect on a modified or stock engine. These internal stresses can cause the main bearing caps to move or walk from side to side. Movement is then transferred to the free end of the main cap bolts or studs. Eventually the threaded bolt holes in the block crack. Main bearing cap walk can allow the bearing inserts to spin, the crankshaft to break, or the main webs to crack and fail. Due to the close proximity of the Main Stud Girdle to the crankshaft and rods it also does a very good job of stripping oil off of the crank.

With a superior strength-to-weight ratio 6061 T6 aluminium is more expensive than steel but much more effective at dampening harmonics, which is the leading cause of main cap walk and block failure. The lightweight 3/4" thick Main Stud Girdle evenly distributes load and dampens harmonics by bolting the main cap studs together to create a super strong rectangular cage. The brace nearly doubles the main web support area in the engine. The added strength and rigidity assists to eliminate main cap "walk" or movement. Securing the loose end of the main studs provides stability unequalled even by a 4-bolt main block. Additionally, a production 2 bolt block strengthened with a Pavtek Main Stud Girdle is an economical alternative to an expensive aftermarket block or steel cap conversion. The Ford Cleveland Main Stud Girdle requires the use of 351 Windsor main studs for their additional length. ( Conventional Clev main studs or bolts are too short to be used successfully )

*Note a steel girdle utilizes spacers placed on top of the main caps to achieve clearance between the girdle and main caps. Our girdles are .750" thick and the clearance between the main caps and girdle is machined into the girdle. This way the main caps, studs and girdle are braced in the best possible way for the best possible increase in strength to your bottom end.*

**18-9-2015 PRODUCT UPDATE**

PT-393MSG Have now been CNC machined to allow the use of an OEM Pan. No Special pan required. HV aftermarket pans with crank scrapers will need the scraper either modified or totally removed as they aren't required. The girdle does the job of scraping the oil off the crank anyway.

**Please Note : Many pans are manufactured differently and even OEM pans can vary. We highly recommend trial fitting of pan to girdle clearance prior to final assembly.**