



## M-6010-A500 Cylinder Block INSTRUCTION SHEET

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Please visit [www.fordracingparts.com](http://www.fordracingparts.com) for the most current instruction information

**!!! PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION.  
AT ANY TIME YOU DO NOT UNDERSTAND THE INSTRUCTIONS, PLEASE CALL THE FORD RACING  
TECHLINE AT 1-800-367-3788 !!!**

### **INSTALLATION INSTRUCTIONS:**

1. Standard deck height is 9.0".
2. Cylinder head bolt pattern to suit 18-bolt arrangement for M-6049-E460 Pro Stock wedge head. This is different than the 18-bolt pattern for the M-6049-D460 Yates type head. Six bolts have been moved .070". Hemi bolt pattern also available.
3. China wall height has been raised .500" to suit M-6049-E460 head
4. Intake lifter bores have been moved .125" from stock location toward the adjacent bulkhead and the angle has been changed from 49° to 45° to improve the intake pushrod angle. Camshafts with the proper lobe location and phasing are available from Competition Cams.
5. Cylinder bores have been extended into the crankcase area to provide added support for the pistons. Crankshaft counterweight radius must be restricted to clear. Max radius from center of crank is approximately 3.45".
6. Cam to crank centerline distance is reduced. A timing belt system is available from Danny Bee Racing Products (805) 981-0411.
7. Roller lifters are available from Jesel.
8. Main bearing bulkheads have been narrowed and the bearing locator notches have been moved to suit Clevite MS 1041 P main bearings on #1,2,4,5 mains. Standard Ford 351C thrust bearings fit #3 main. 351C main bearings may also be used on #1,2,4,5 if they are narrowed to fit and the notches are modified. A narrow main bearing set is to be available from Childs and Albert.
9. MSD P/N 85691 crank trigger distributor fits the A500 block.
10. A starter mounting pad is provided on the driver's side of the block. Tilton severe duty starter PN# 54-20079 bolts on and has the correct offset for the currently available Pro Stock flywheels.
11. Cylinder head gaskets are available from Ford Racing under PN # M-6051-E460. This is a composition head gasket manufactured for Ford by Fel Pro. It features a 4.700" ID bore grommet, .053" compressed thickness and the typical Fel Pro race gasket construction. Also available is the M-6051-A500 head gasket featuring a 4.780" bore grommet to accommodate very large bores. Compressed thickness is .053". The gasket features Fel Pro's advanced technology laser welded bore grommets.
12. The block is machined for and comes with M-6261-A460 roller cam bearings.
13. A big block Chevy CSI water pump will bolt up to the Danny Bee front cover.
14. M-6049-E460 canted valve wedge heads are available from Ford Racing distributors. M-6049-B441 hemi heads are available from RDI ((704) 892-8688).
15. Rear face of block bolt pattern is 351W. Trick Titanium has made bellhousings for this block. Use Ford E7TZ-6701-A rear seal.

Factory Ford shop manuals are available from Helm Publications, 1-800-782-4356