

TECHNICAL BULLETIN

**TB NO.1016
REV. 1**

Subject: Superior Vee Engine - 12 & 16 Cylinders Main Bearing Cap Fastening Modification

PROBLEM: Loss of torque on main bearing caps attributed to main bearing cap bolt-thread stretch.

The present design of the vee engine bedplate and main bearing cap assembly incorporates the use of (4) threaded bolts to secure the main caps to the bedplate. There have been many problems with this particular design attributed to bolt stretch resulting in the loss of the required torque. When you loose torque you also loose bearing crush and bearing clearance which will ultimately cause the crankshaft to break in most cases at the center main bearing.

To eliminate this chronic problem **EnDyn** recommends a modification to the bedplate and main cap assembly utilizing a through bolt design to more adequately secure the caps to the bedplate and to hold the recommended torque. The recommended modification, material and procedures are contained in **EnDyn** drawing number P-SK-7261 attached.

It is recommended that the bedplate and main cap assembly be transported to **EnDyn** machining facility in Alice, Texas, for the complete modification. Please call our Technical Service Department to set up your **PowerPart**[®] "through bolt" appointment today.

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