

1 1/2 KVA Kohler unit proceed as follows:

- (1) Remove generator end cover by taking out the four retaining screws.
- (2) Remove generator brushes from brush holders.
- (3) Remove the eight cap screws, which hold the generator frame to the flywheel housing after inserting a block of wood under each side of the generator frame to prevent it from toppling.
- (4) Remove the radiator overflow tube from the major side of the unit.
- (5) Pull off the generator assembly and set it to one side (fig. 26). If necessary, use a bar to pry the bracket away from the frame.
- (6) Remove engine cooling fan from bracket, and take off the old belt.

b. Installing New Belt and Reassembling Unit.

- (1) Slip new belt over armature and onto generator flywheel pulley (fig. 26).
- (2) Pull belt onto fan pulley, and tighten fan into place after checking belt tension.
- (3) Replace generator assembly. Be sure the outer race of generator ball bearing centers the bearing housing of the brush holder bracket squarely.
- (4) Replace the eight cap screws. Before tightening them, tap the brush holder bracket lightly with a hammer and block of wood above and below the generator bearing housing. When the bearing is properly aligned, rightening the cap screws forces the generator assembly tightly against the engine bell housing.
- (5) Replace the generator brushes. Be sure the generator brushes are put back in their original positions.
- (6) Start the unit after assembling it. Listen for noise in the generator bearing. Noise indicates improper alignment. To correct alignment, tap the bracket above and below the bearing until it runs quietly.
- (7) If the ball bearing is not sealed, repack the housing with correct grade of grease, and replace the generator end cover.

25. SPLITTING THE ENGINE: REMOVING ENGINE FROM OIL BASE.

a. General. When it is necessary to fit new main bearings, connecting rod bearings, pistons, piston rings and pins, or to repair the oil pump in this unit, the cylinder block must be removed from the oil base (crankcase). Before splitting the unit remove the generator assembly

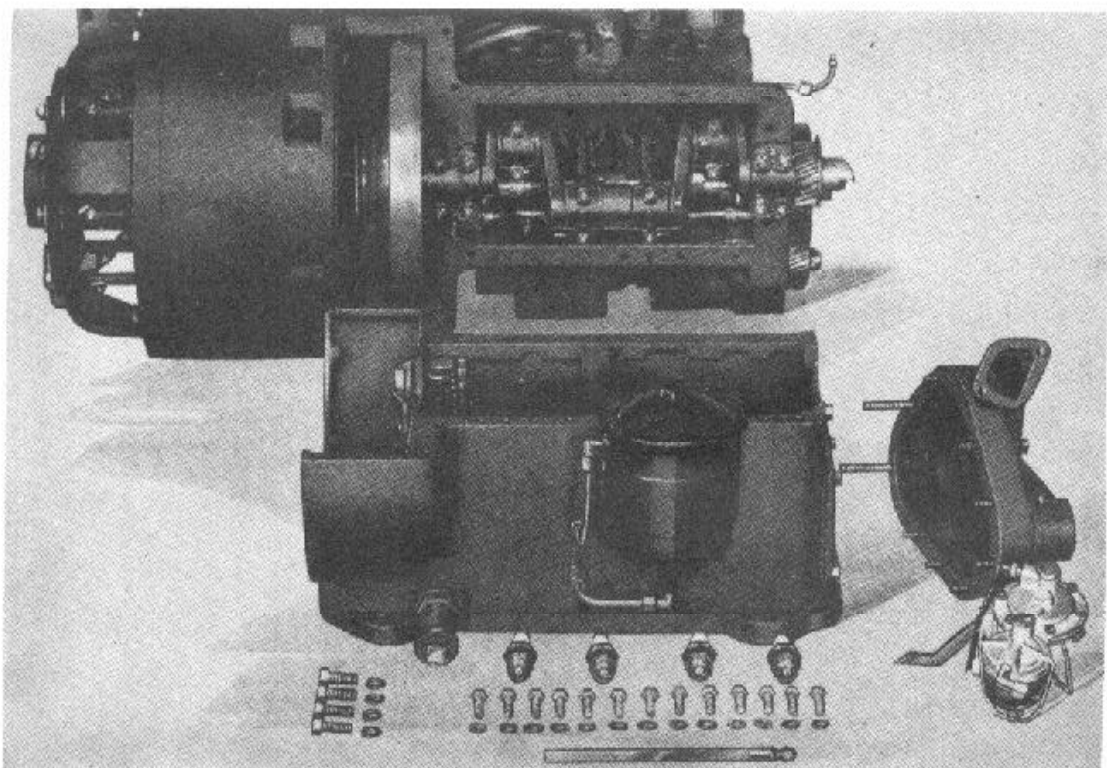


Figure 27. Splitting the engine: removing engine from oil base.

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