

## Removal

To completely service the crankshaft and bearings, the crankcase oil, cooling and hydraulic systems must be drained and the engine removed from the tractor. Refer to page 1-10.

1. Remove the fan drive pulley. (Refer to page 1-39.)
2. Remove the front cover. (Refer to page 1-38.)
3. Remove the flywheel and the rear oil seal retainer.
4. Remove the crankcase oil pan, and remove the oil pump screen and tube.
5. Remove the crankshaft bearing cap bolts. Tap the caps lightly with a lead hammer, if necessary, to dislodge them and remove squarely from position.

6. Remove the lower bearing from each cap. If they are to be reassembled, be certain that they are identified as to their original positions. Wrap them in clean cloths and store until reassembly.

**NOTE:** If the crankshaft is to be removed disregard step 7.

7. Remove the upper bearing halves from between the crankshaft and the crankcase with a thin piece of flexible soft sheet metal. Push against the end of the bearing without the positioning nut, while turning the crankshaft in the direction of rotation. The bearing will slide from position easily.
8. Remove the connecting rod bearing cap nuts and bolts and remove the caps. Push the piston and rod assemblies to the top of their travel.
9. Lift the crankshaft out of the crankcase.