## Removal

To completely service the crankshaft and<br/>bearings, the crankcase oil, cooling and<br/>hydraulic systems must be drained and<br/>the engine removed from the tractor.eaRefer to page 1-10.cl

IN REARINGS

1. Remove the fan drive pulley. (Refer to page 1-39.)

2. Remove the front cover. (Refer to page 1-38.)

placing of oil seals is the boat insurance

rate off distribution bores or from dirt

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.

undersize for use with regound orackshelts. When servicing main bearings, one defective bearing will require the roplacement of all three bearinger otherwise oracleshelt "jay" or allgoment connot be maintained.

The replacement of organishall main hearings without removing the organishaft whom these bearings are worn sufficiently whom these bearings are worn sufficiently to require replacement or have failed through lack of lubricalish, the entire remits as and its oil dirithution hores a mild be increasing disauch. This namno be accouptiated without the replacement the crusteler. 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.

CRANKSMAR

<u>NOTE</u>: 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.

moved when new boardings are baing tostalled in order to clean the crustoned thereughty. All hearing surfaces must be free of grit and burns. Small particles of dust and diri left between the oraskand scoring of the orankshaft journal are heart. Any foreign material left between the bearings and the crustones and bearing caps will cause distortion of the bearing and a reduction to operating bearing then heat thus produced will in the cause the bearing material to melt away from the stael but of the bearing at 0 from the stael hold of the bearing at 0 from the stael hold of the bearing at 0 from the stael hold of the bearing at 0 from the stael hold of the bearing at 0 from the stael hold of the bearing at 0 from the stael hold of the bearing at 0 from the stael hold of the bearing at 0 from the stael hold of the bearing at 0 from the stael hold of the bearing at 0 for the bearing material will create burther hol agols until complete bearing