

## CRANKSHAFT MAIN BEARINGS

**REMOVE CRANKSHAFT MAIN BEARINGS** 1203-11

C	Tools Needed	A	B
9S9082	Engine Turning Tool	1	
6V3147	Main Bearing Wrench		1
2P5517	Bearing Removal and Installation Tool		
1			

start by:

a) remove piston cooling jets

1. Drain the oil from the oil pan.
2. Use tool (A) to turn the engine flywheel to move counterweights (1) in position for removal. Remove counterweights (1) from the crankshaft through the side of the cylinder block.
3. Use tool (A) and turn the engine flywheel to move the connecting rod bearing surface (journal) to the top center position.
4. Use tool (B) and loosen the four bolts that hold the main bearing cap in position.
5. Hold the main bearing cap in position with a pry bar and remove the bolts and lower the bearing cap from the cylinder block.
6. Remove the bearing caps from the side of the engine. The weight of the bearing cap is 16 kg (35 lb.).
7. Remove the lower bearing half (2) from bearing cap (3).

8. Remove thrust plates (4) from each side of the center main bearing.

