



## Replacement Crankshaft Caution on John Deere 7.6L, 6076 Diesel Engines

The AERA Technical Committee offers the following information regarding a replacement crankshaft caution on John Deere 7.6L, 6076 diesel engines. This bulletin is intended to point out specific differences of crankshafts used to consider before ordering a replacement crankshaft.

There are basically three different crankshafts and have been classified as short nose and long nose, depending on the length of the front snout. To accommodate the differences in length a wide or narrow crankshaft timing gear is used. Beginning with engine serial #187,658 a wider gear and longer snout were incorporated. Crankshafts manufactured before that were one of two design short snout, narrow gear versions. Refer to the charts below to determine which design you're dealing with. All Crankshafts share the same journal dimensions.

### Short Snout 1

Observations: 6076 Early, Below SN 187,657, 6466, Late, After SN 500,000

- Flange: Centering Ring, 6 Bolt Holes 1 Dowel, Oil Pump Drive Gear Installed, Right Hand Helix, 74 Teeth, part #R63326
- Snout: 1 Bolt Hole, 2 Keyways, Timing Gear installed, Left Hand Helix, 23 Teeth, 23 mm wide, part #R105488
- 3" Long from the Shoulder of the 1st Main Journal to the end of the snout
- Use Late Style Pulley Key R523306

### Short Snout 2

Observations: 6076 Late

- Flange: Centering Ring, 6 Bolt Holes 1 Dowel, Oil Pump Drive Gear Installed Right Hand Helix, 74 Teeth, part #R63326.
- Snout: 1 Bolt Hole, 2 Keyways, Timing Gear installed, Straight, 27 Teeth, part #R104587
- 3" Long from the Shoulder of the 1st Main Journal to the end of the snout.
- Use Late Style Pulley Key R523306

### Long Snout

Observations: 6076 Late, Above SN 187,658

- Flange: Centering Ring, 6 Bolt Holes, 1 Dowel Hole, Oil Pump Drive Gear Installed Right Hand Helix, 74 Teeth, part #R63326.
- Snout: Straight, 1 Bolt Hole, 2 Keyways, Timing Gear installed, Left Hand Helix, 23 Teeth, part #R86565
- 3.4" Long from the Shoulder of the 1st Main Journal to the end of the snout.
- Use Late Style Pulley Key R523306