

# **Component Procedures: Oil Pump**

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# Component Procedures: Oil Pump

## Parts and Labor (itype\_189)

### Parts

Qualifier	Part #	Name	Price	Note
Oil Pump	12640448	33 - Oil Pump	237.35	

### Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Oil Pump > Oil Pump, R&R	B	6.8	4.3

## Oil Pump Replacement (Article 12191)

### Removal Procedure

- Remove the primary timing chain . Refer to Primary Camshaft Drive Chain and Sprockets Replacement . Click for full-size image
- Remove the crankshaft sprocket . Refer to Crankshaft Sprocket Removal .
- Remove the oil pump bolts (1) and the oil pump (2).

### Installation Procedure

- Align the oil pump drive gear with the crankshaft flats and install the oil pump (2) to the engine block . Click for full-size image
- Align the pump body with the mounting holes in the cylinder block .
- Install the oil pump bolts and tighten to 25 Nm (18 lb ft) .
- Install the primary timing chain. Refer to Primary Camshaft Drive Chain and Sprockets Replacement .