

# **Component Procedures: Oil Pan**

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# Component Procedures: Oil Pan

## Parts and Labor (itype\_189)

### Parts

Qualifier	Part #	Name	Price	Note
Oil Pan Baffle	12641014	32 - Oil Pan Baffle	179.94	
Oil Pan	12630705	31 - Oil Pan	183.96	

### Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Oil Pan > Oil Pan Gasket, R&R	B	10.8	8.0
Remove & Replace	Oil Pan > Oil Pan, R&R	B	10.8	8.0

## Oil Pan Replacement (Article 12190)

### Removal Procedure

- Drain the engine oil. Engine Oil and Oil Filter Replacement
- Engine Front Cover Replacement » Remove
- Drivetrain and Front Suspension Frame Replacement » Remove
- Engine Mount Bracket Replacement - Right Side » Remove
- Remove the oil pan to transmission bolts. (1) Click for full-size image
- Remove the oil pan to transmission bolts. (2) Click for full-size image
- Remove the oil pan to transmission nut. (1)
- Remove the oil pan bolts. (1) Click for full-size image
- Remove the oil pan bolts. (1, 2) Click for full-size image
- Remove the oil pan. (1) Click for full-size image
- Oil Pan Cleaning and Inspection

### Installation Procedure

- Place a 3 mm (0 in) Bead of RTV Sealant on the block pan rail and the crankshaft rear oil seal housing (1). Adhesives, Fluids, Lubricants, and Sealers Click for full-size image
- Install the oil pan. (1) Click for full-size image
- Install the oil pan bolts. (1, 2) Click for full-size image
- Install the oil pan bolts. (1) Click for full-size image
- Install the oil pan to transmission fasteners. (1, 2) Click for full-size image
- Install the oil pan to transmission fasteners. (1) Click for full-size image
- Tighten the oil pan bolts in sequence. The 6 mm bolts to (12-13) 10 Nm (89 lb in) . Click for full-size image Tighten The 8 mm bolts (1-11)to 23 Nm (17 lb ft) . The 8 mm bolts (1-11)to 23 Nm (17 lb ft) .
- Install the oil pan to transmission fasteners. Tighten 50 Nm (37 lb ft) 50 Nm (37 lb ft)
- Engine Mount Bracket Replacement - Right Side » Install
- Drivetrain and Front Suspension Frame Replacement » Install
- Engine Front Cover Replacement » Install
- Fill the engine oil to the proper level with NEW engine oil. Engine Oil and Oil Filter Replacement

## All Technical Service Bulletins (itype\_100)

### Tsbs

- Engine Ticking Noise or oil pressure fluctuation On Cold Start (PIP5191C, 2018/11/06)