



FEL-PRO INSTALLATION TIPS

INSTRUCTIONS FOR BM30689 OIL PAN GASKET INSTALLATION

The front cover does not need to be removed (unless the gasket is damaged) when replacing the oil pan gasket, but extra care should be taken to assure a good seal.

After removing the oil pan and old gasket, clean oil pan and sealing surfaces. Inspect the timing chain cover gasket. Replace as necessary.

Apply an 1/8 inch bead of silicone sealer (RTV) to the front joints (oil pan gasket to timing cover gasket interface) and the rear joints (oil pan gasket to crankshaft rear oil seal retainer gasket interface).

Install oil pan gasket to block. Make sure that the inside rubber portion of the oil pan gasket on either side fits inside of the front cover gasket. The "serrated edges" will lie against the front cover gasket at an angle, which is normal. When the oil pan is installed and tightened, the rubber edges of the oil pan gasket will be forced into the proper position.

To prevent oil leaks at oil pan to timing chain cover, the following tightening sequence procedure must be performed.

Install oil pan and fasteners using the following tightening sequence:

1. Install oil pan bolts and nuts finger tight only just tight enough to compress the gasket's rubber seal.
2. Install timing chain cover to pan bolts and tighten to **12 Nm (105 in. lbs.)**.
3. Tighten oil pan bolts to **28 Nm (250 in. lbs.)**.
4. Tighten oil pan nuts to **12 Nm (105 in. lbs.)**.

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