

8.

After completing the repairs, perform the Misfire Monitor Neutral Profile Correction procedure using a diagnostic scan tool.

REMOVAL AND INSTALLATION > CRANKSHAFT REAR SEAL

Special Tool(s) / General Equipment

Plastic Scraper

Materials

Name	Specification
Motorcraft® SAE 5W-20 Premium Synthetic Blend Motor Oil (U.S.) XO-5W20-QSP (U.S.)	WSS-M2C945-A
Motorcraft® High Performance Engine RTV Silicone TA-357	WSE-M4G323-A6
Motorcraft® Silicone Gasket Remover ZC-30-A	-
Motorcraft® Metal Surface Prep ZC-31-B	-
Metal Brake Parts Cleaner (U.S.) PM-4-A, PM-4-B (U.S.)	-

REMOVAL AND INSTALLATION > CRANKSHAFT REAR SEAL > REMOVAL



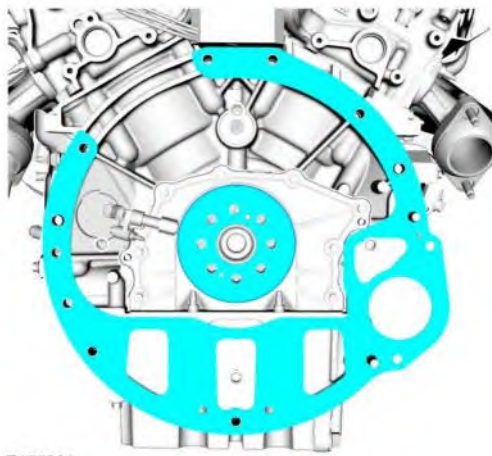
NOTE: During engine repair procedures, cleanliness is extremely important. Any foreign material, including any material created while cleaning gasket surfaces that enters the oil passages, coolant passages or the oil pan, may cause engine failure.

1.

Remove the flexplate or flywheel. Refer to: Flexplate . Refer to: Flywheel .

2.

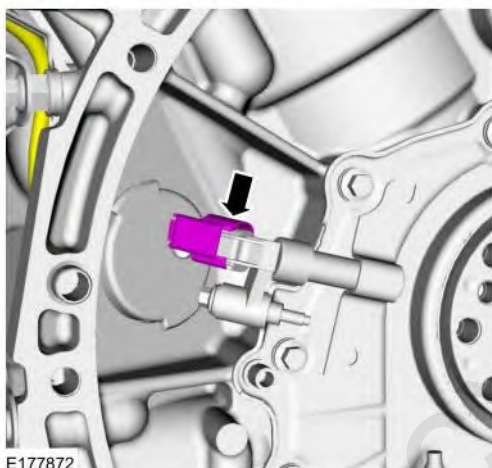
Remove the crankshaft sensor ring and the engine-to-transmission spacer plate.



E177224

3.

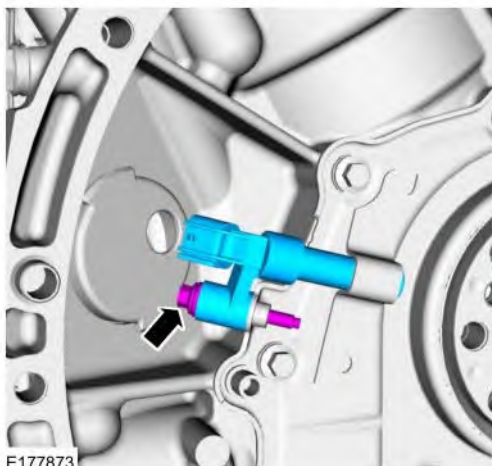
Disconnect the CKP sensor electrical connector.



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4.

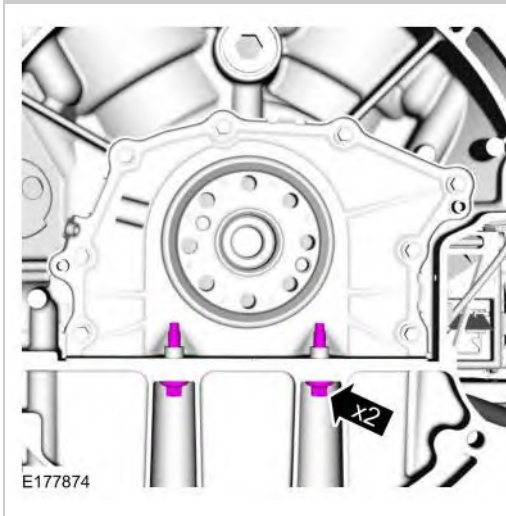
Remove the bolt and the CKP sensor.



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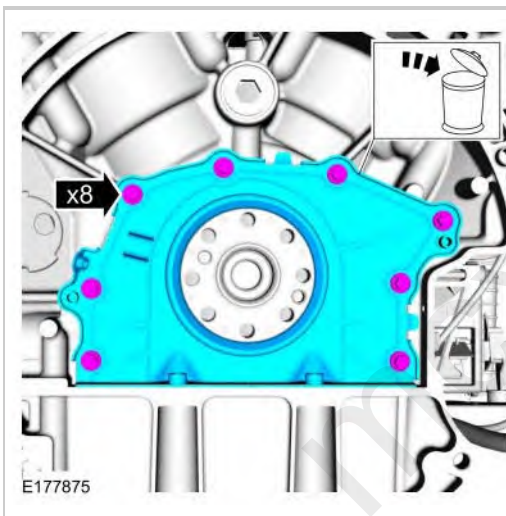
5.

Remove oil pan-to-crankshaft rear seal bolts.



6.

Remove the bolts and the crankshaft rear seal and discard the seal.



 **NOTE:** Do not use wire brushes, power abrasive discs or 3M™ Roloc® Bristle Disk (2-in white, part number 07528) to clean the sealing surfaces of the engine block. These tools cause scratches and gouges that make leak paths. They also cause contamination that causes premature engine failure. Remove all traces of the gasket.

7.

Make sure that the mating faces are clean and free of foreign material. Refer to: RTV Sealing Surface Cleaning and Preparation .

Use the General Equipment: Plastic Scraper

Material

: Motorcraft® Silicone Gasket Remover / ZC-30-A