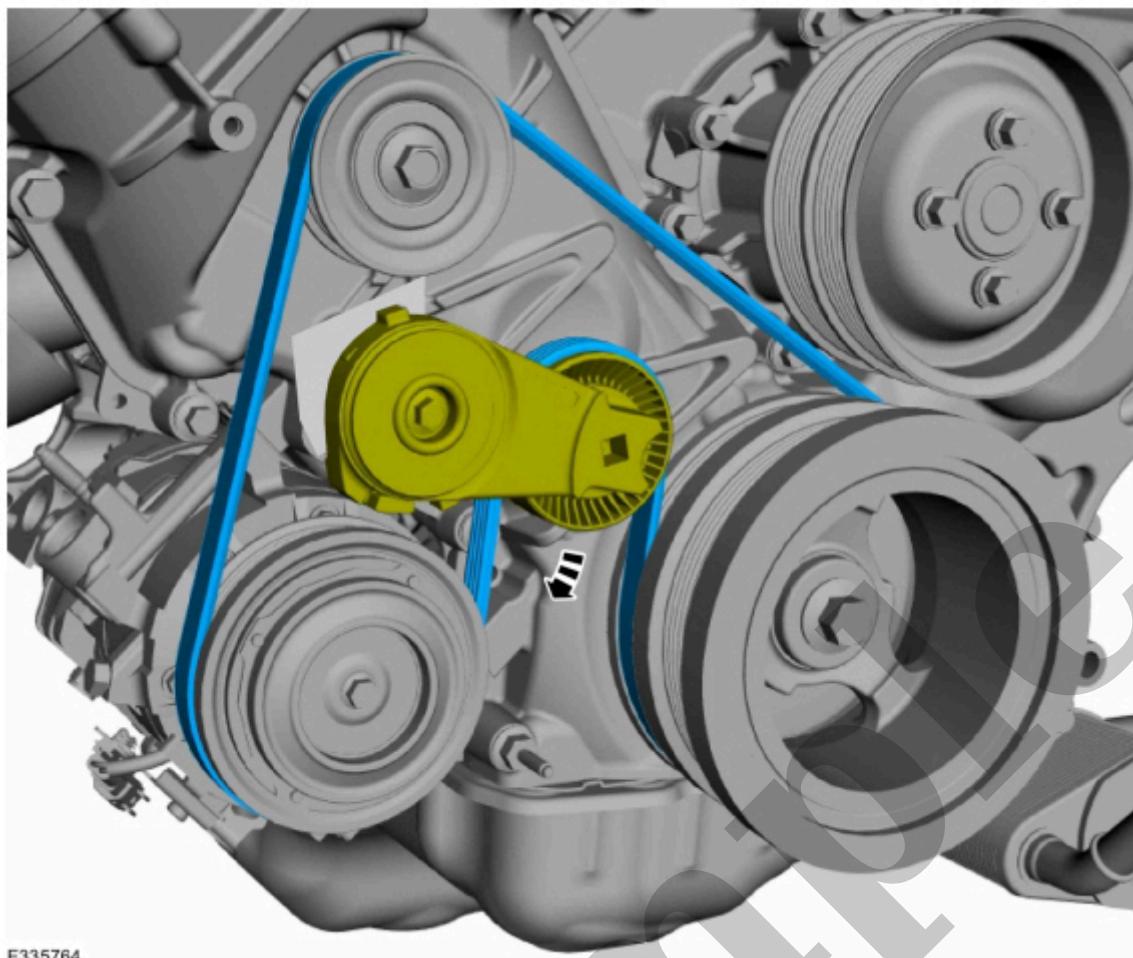


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2014 Ford F-150 Service and Repair Manual

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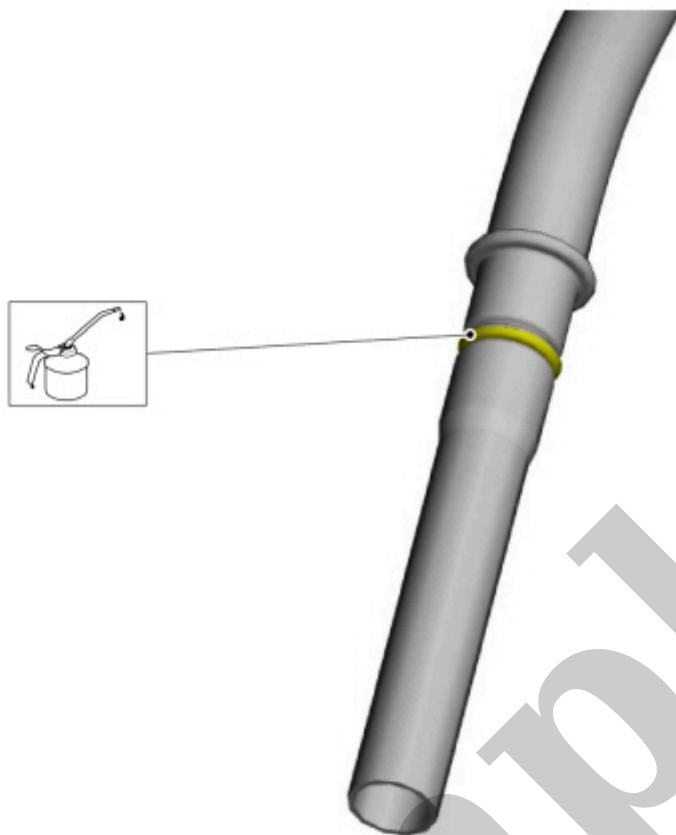
145. **NOTE**

If a new RH (right-hand) engine mount is installed, remove the 2 studs prior to positioning the engine in the vehicle.

Install the RH (right-hand) engine mount and the new bolts.

Torque : 55 lb.ft (75 Nm)

147. Lubricate the O-ring seal with clean engine oil.



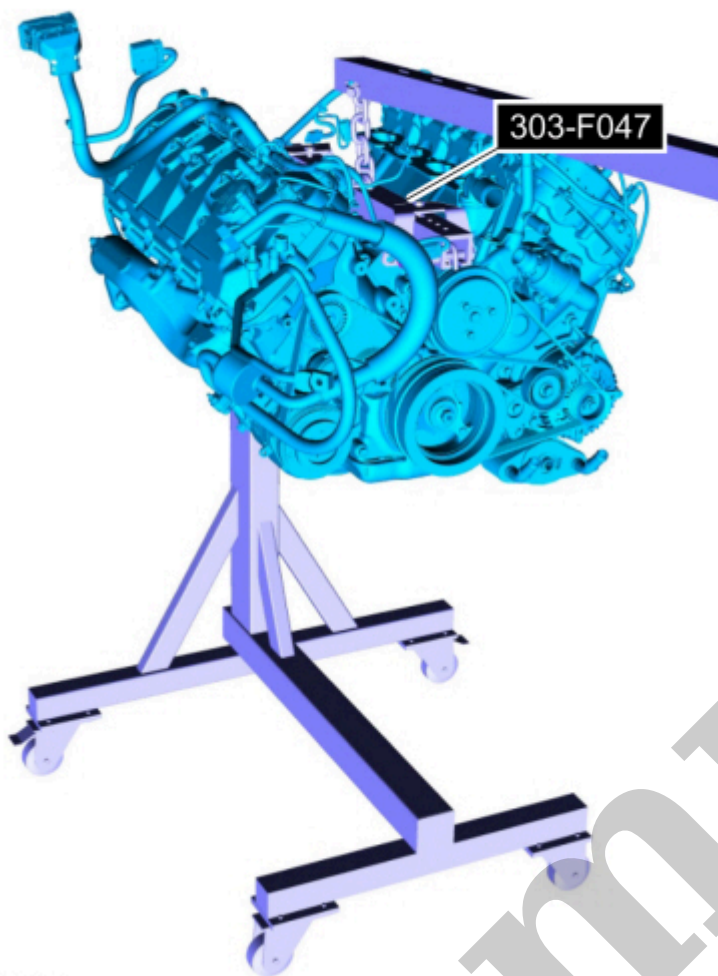
E321436

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- 148.
- Install the oil level indicator tube.
 - Install the nuts.

Torque : 71 lb.in (8 Nm)

- Install the oil level indicator.



E195361

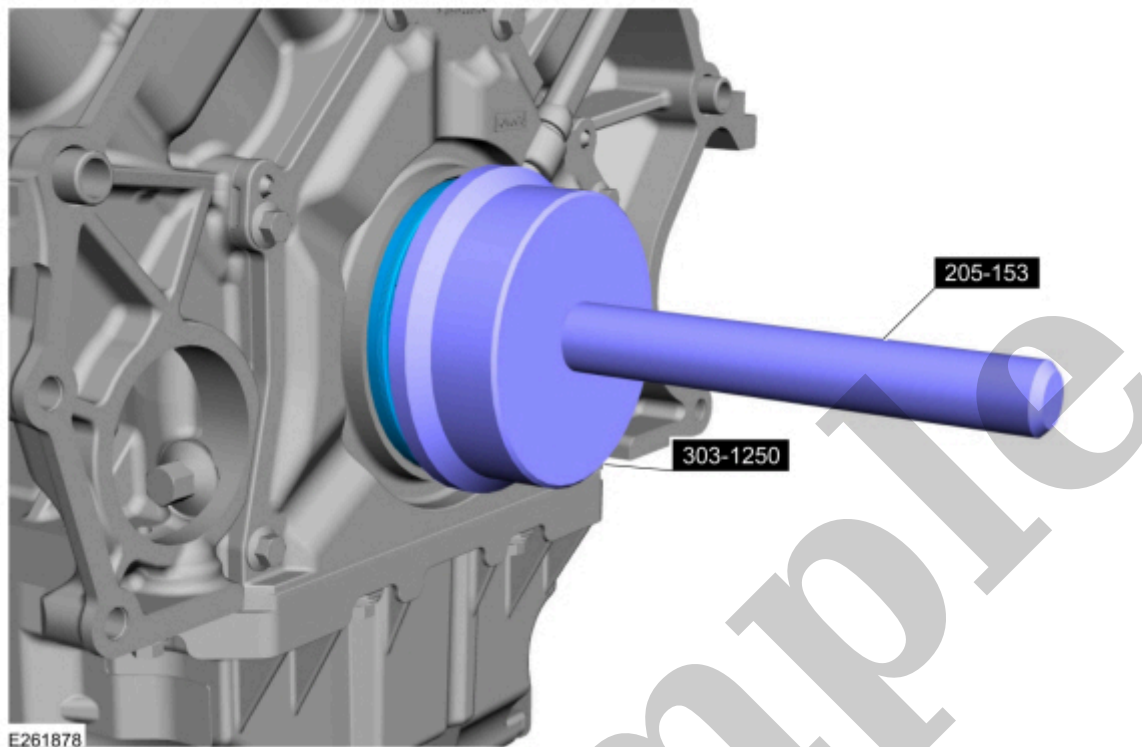
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150. Lubricate the seal bore and the seal lips with clean engine oil.

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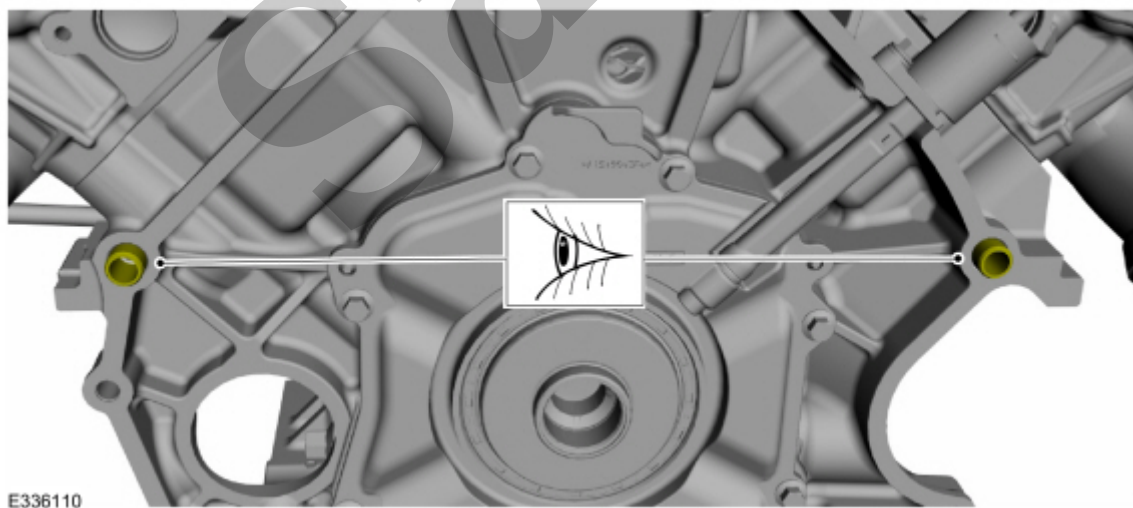
152. Using the special tools, install the crankshaft rear seal.

Use Special Service Tool : 205-153 (T80T-4000-W) Handle , 303-1250 Seal Installer, Rear Main



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153. Inspect the engine block dowels. If the dowels are damaged or missing, install new engine block dowels.



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Always refer to these labels when installation of new parts is necessary or when checking engine calibrations. The engine parts often differ within a CID family. Verification of the identification codes will make sure the correct parts are obtained. The codes contain all the pertinent information relating to the dates, optional equipment and revisions.

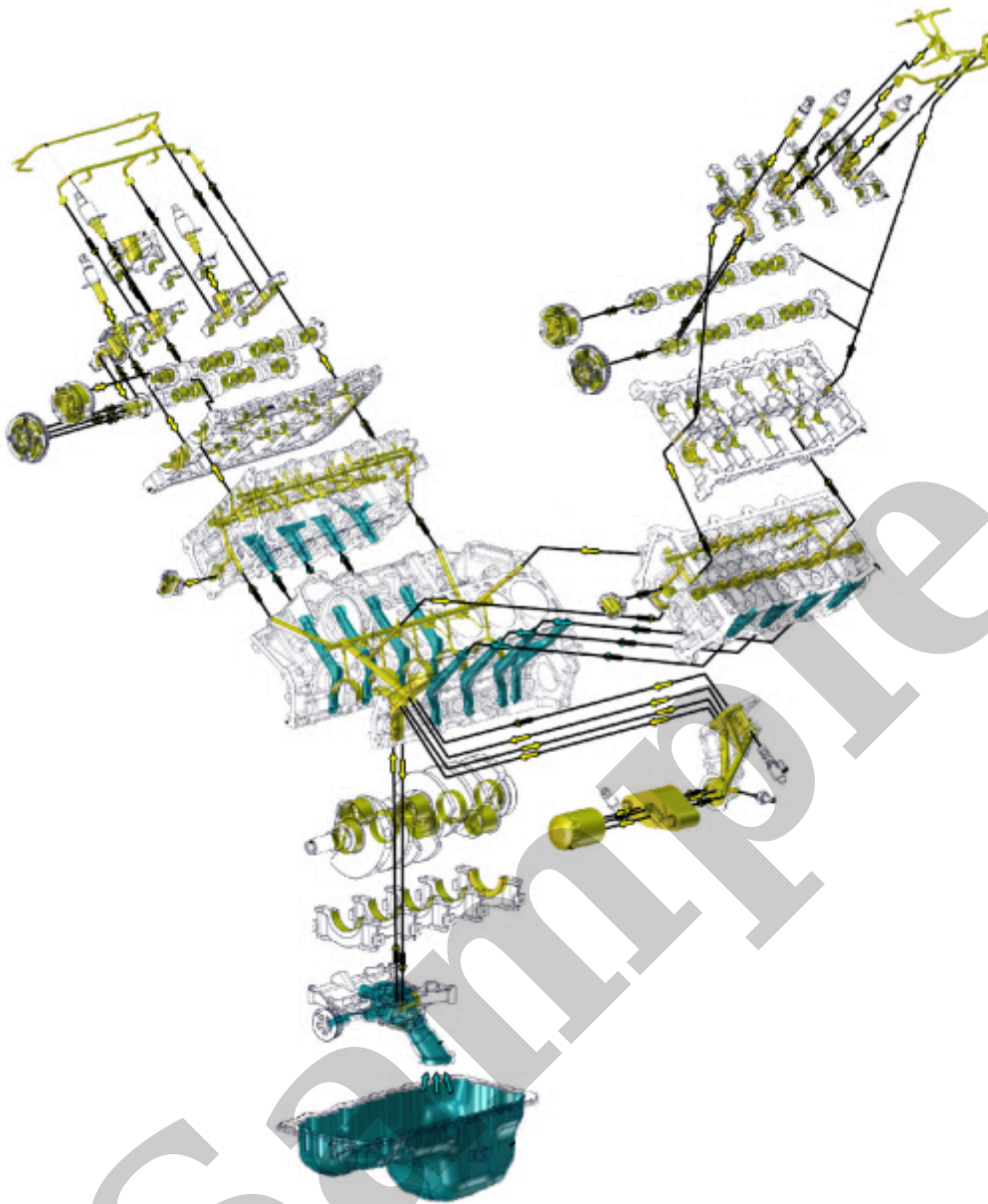
Engine Code Information Label



E265778

Item	Description
1	Essex engine plant
2	Engine displacement
3	Engine build calender date (DDMMYY)
4	Engine build Julian date (YYJJJ)

Engine Cylinder Identification



E336776

Item	Description
Yellow	High pressure oil
Blue	Oil return low pressure

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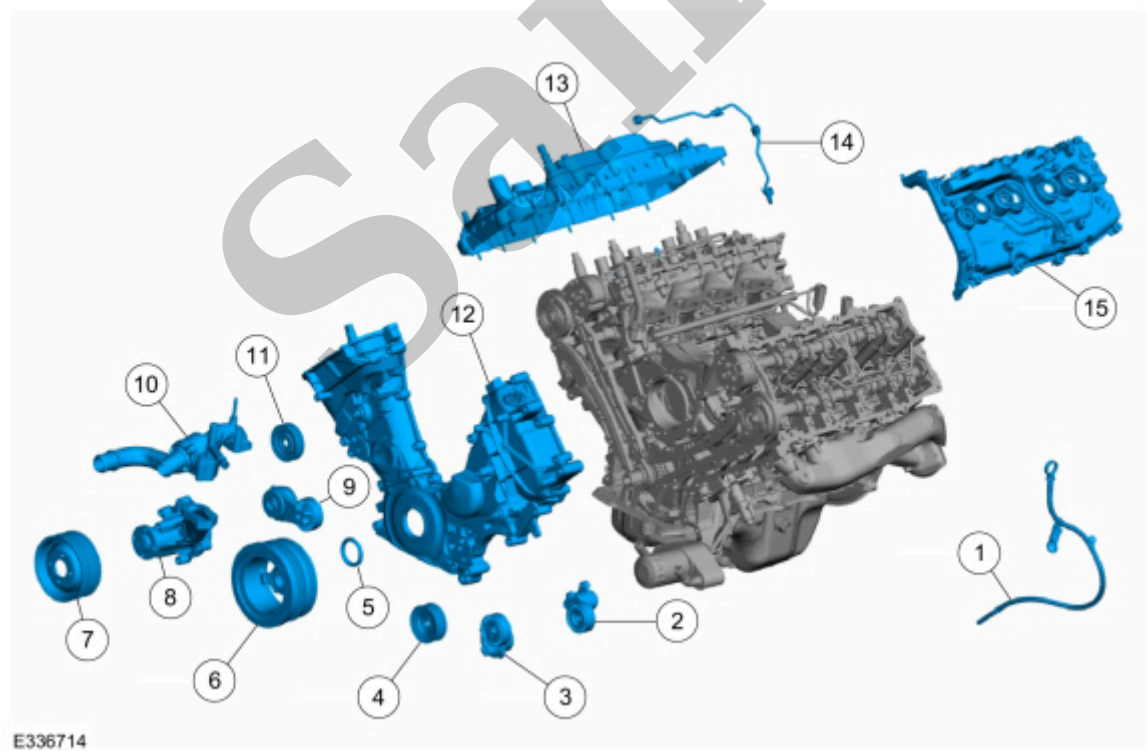


E336718

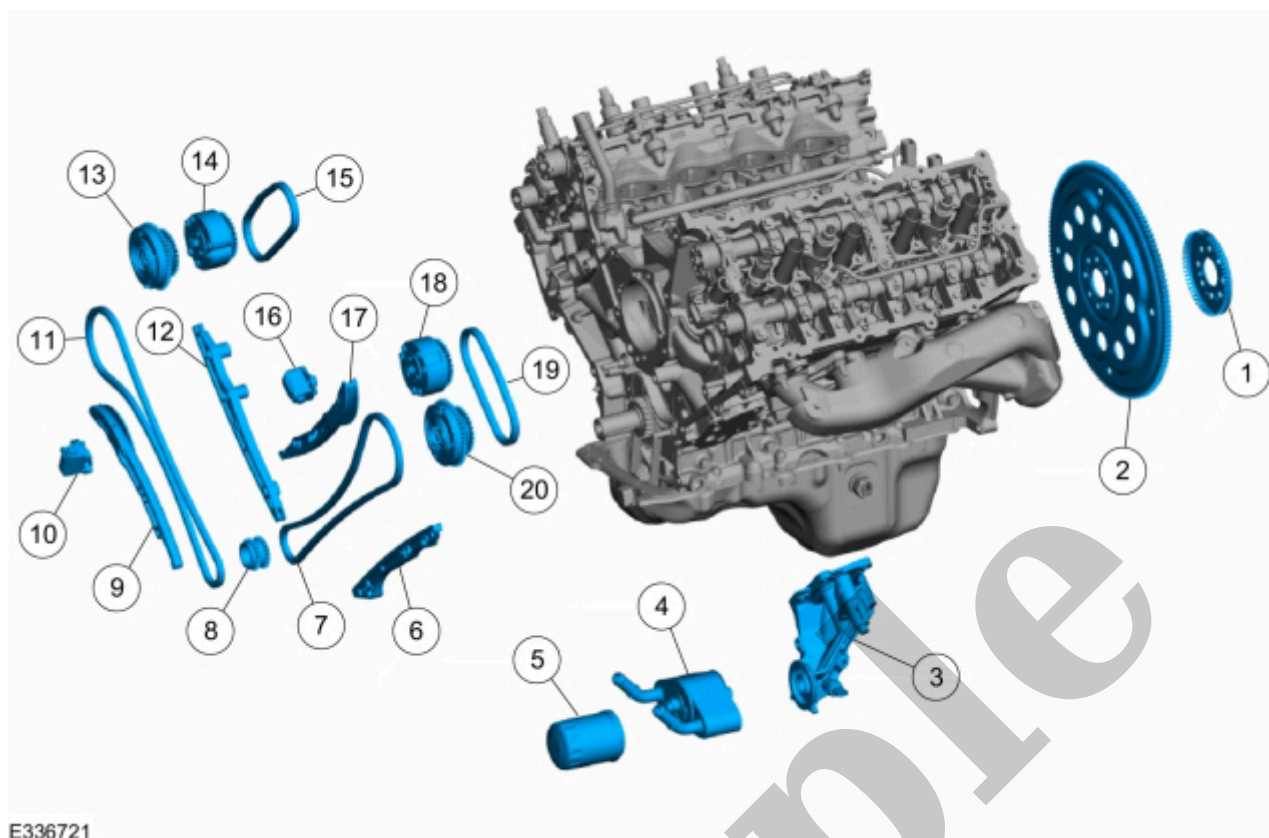
Item	Part Number	Description
1	12029	Ignition coil on plug (8 required)
2	12405	Spark plug (8 required)
3	9C587	Tappet
4	9D376	High pressure fuel pump
5	9E964	Fuel supply tube

5	8A586	Thermostat housing
6	8A528	Coolant pump pulley
7	8501	Coolant pump
8	19A216	Idler pulley
9	6A228	Belt tensioner
10	8592	Coolant outlet
11	6019	Engine front cover
12	6K271	RH valve cover
13	9J323	High pressure fuel tube
14	6K273	LH valve cover

Engine — Front Components (with dual generators)



Item	Part Number	Description
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E336721

Item	Part Number	Description
1	12A227	Crankshaft sensor ring
2	6375	Flexplate
3	6881	Oil filter adapter
4	6A642	Oil cooler
5	6731	Oil filter
6	6B274	LH timing chain guide
7	6268	LH primary timing chain
8	6306	Crankshaft sprocket
9	6K255	RH timing chain tensioner arm
10	6L266	RH primary timing chain tensioner