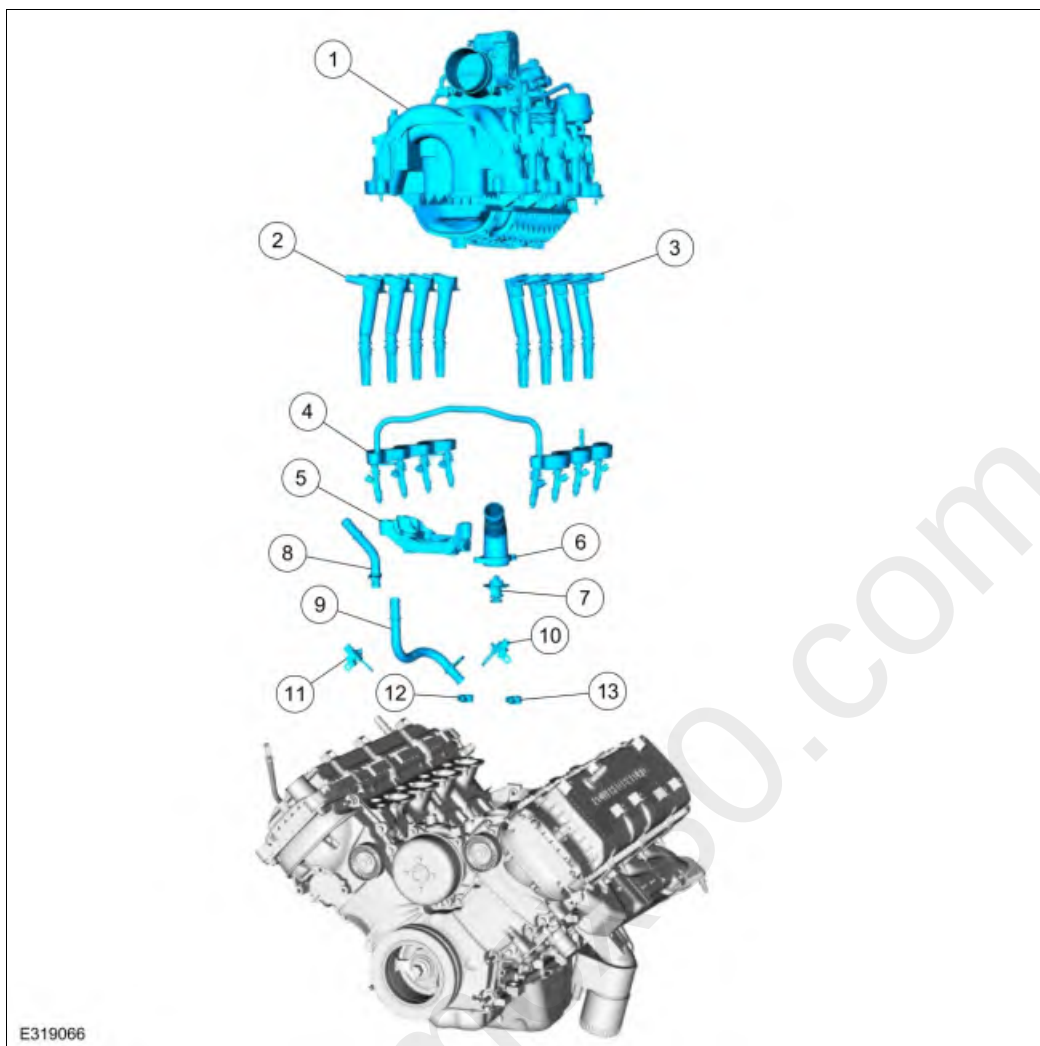


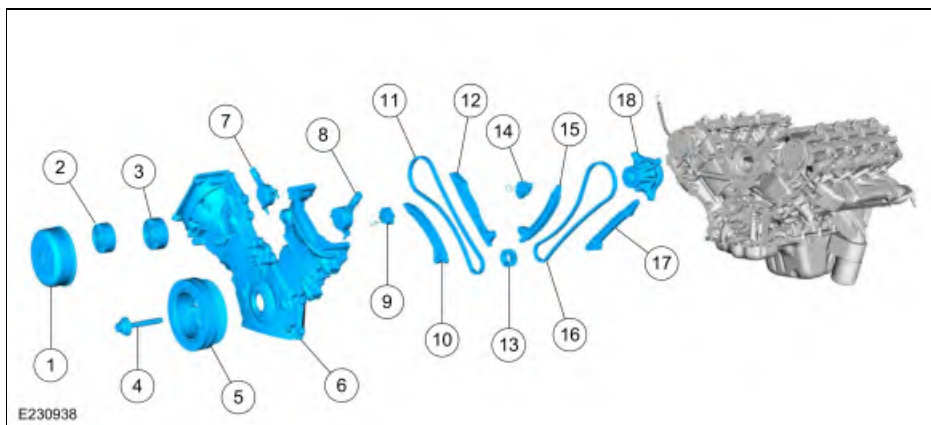
Engine Component View

Upper Engine View



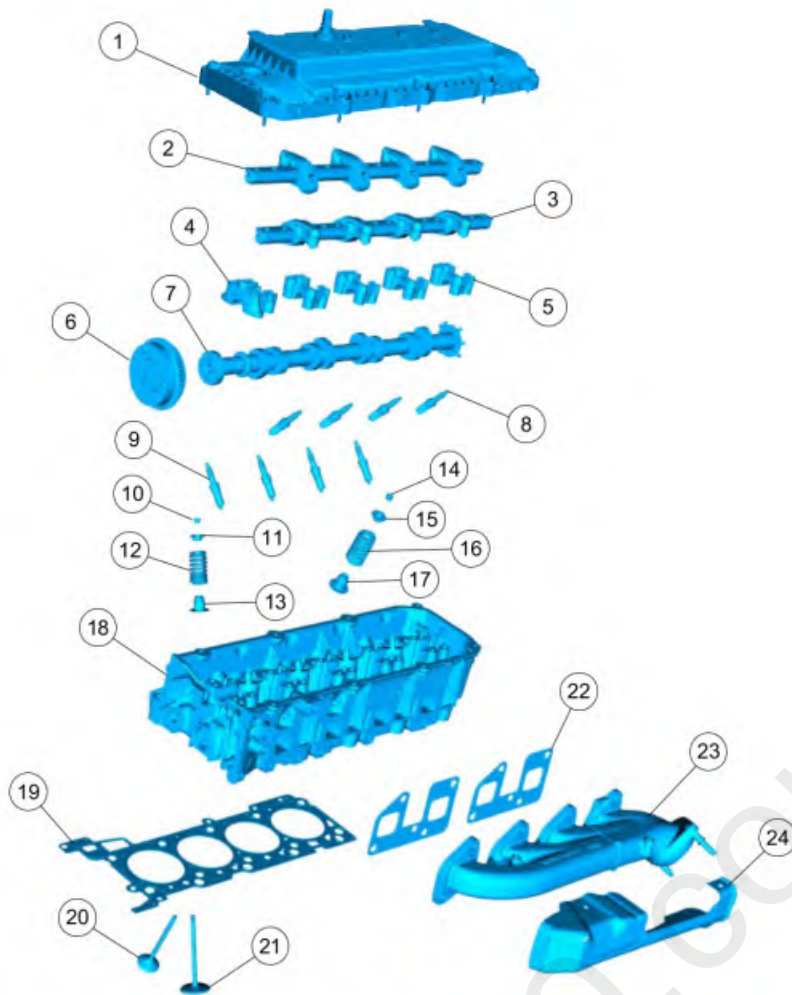
Item	Part Number	Description
1	9424	Intake manifold assembly
2	12029	Ignition coil - RH (4 required)
3	12029	Ignition coil - LH (4 required)
4	9F792	Fuel rail
5	10239	Generator support bracket
6	8594	Thermostat housing
7	8575	Thermostat
8	18696	Heater coolant inlet fitting
9	18663	Heater coolant return fitting
10	18801	Radio interference capacitor - LH
11	18801	Radio interference capacitor - RH
12	12A699	Knock sensor (KS) - RH
13	12A699	Knock sensor (KS) - LH

Front Engine View



Item	Part Number	Description
1	6A528	Coolant pump pulley
2	19A216	Accessory drive belt idler pulley - RH
3	19A216	Accessory drive belt idler pulley - LH
4	6A340	Crankshaft pulley bolt and washer
5	6316	Crankshaft pulley
6	6C086	Engine front cover
7	6B297	VCT system oil control solenoid - RH
8	6B297	VCT system oil control solenoid - LH
9	6L266	Timing chain tensioner - RH
10	6K255	Timing chain tensioner arm - RH
11	6268	Timing chain - RH
12	6M256	Timing chain guide - RH
13	6306	Crankshaft sprocket
14	6L266	Timing chain tensioner - LH
15	6K255	Tensioner arm - LH
16	6268	Timing chain - LH
17	6B274	Timing chain guide - LH
18	8501	Coolant pump

Upper Engine - LH Cylinder Head

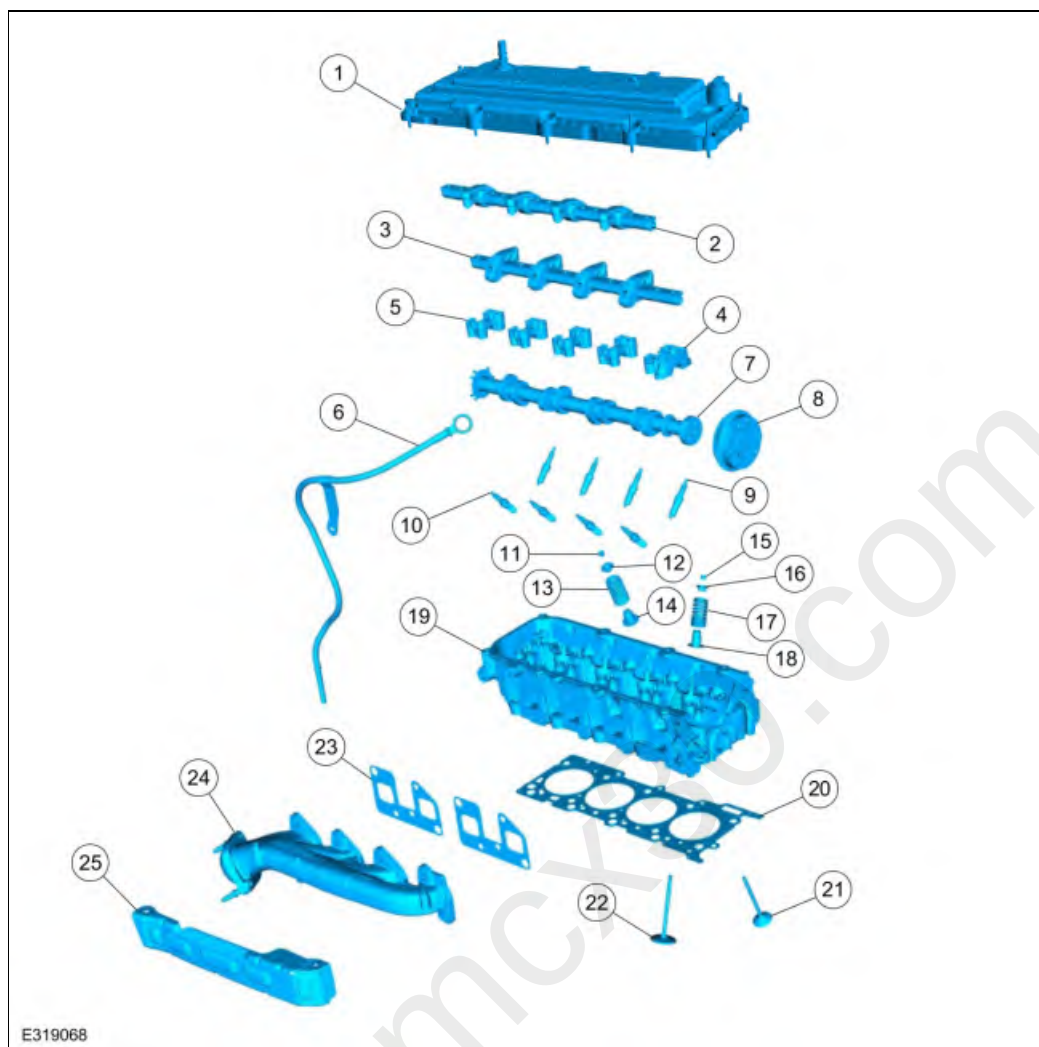


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Item	Part Number	Description
1	6582	Valve cover - LH
2	6564C	Intake rocker arm and shaft assembly - LH
3	6C552	Exhaust rocker arm and shaft assembly - LH
4	6B280	Front camshaft bearing cap - LH
5	6B284	Camshaft bearing cap - LH (4 required)
6	6C524	Camshaft phaser and sprocket - LH
7	6A274	Camshaft - LH
8	12405	Lower spark plug (4 required)
9	12405	Upper spark plug (4 required)
10	6518	Valve spring retainer key (8 required) - Intake
11	6514	Valve spring retainer (4 required) - Intake
12	6513	Valve spring (4 required) - Intake
13	6A517	Valve stem seal (4 required) - Intake
14	6518	Valve spring retainer key (8 required) - Exhaust
15	6514	Valve spring retainer (4 required) - Exhaust
16	6513	Valve spring (4 required) - Exhaust
17	6A517	Valve stem seal (4 required) - Exhaust
18	6050	Cylinder head - LH
19	6051	Cylinder head gasket - LH
20	6505	Exhaust valve (4 required) - LH
21	6507	Intake valve (4 required) - LH

22	9448	Exhaust manifold gasket (2 required) - LH
23	9431	Exhaust manifold - LH
24	9A462	Exhaust manifold heat shield - LH

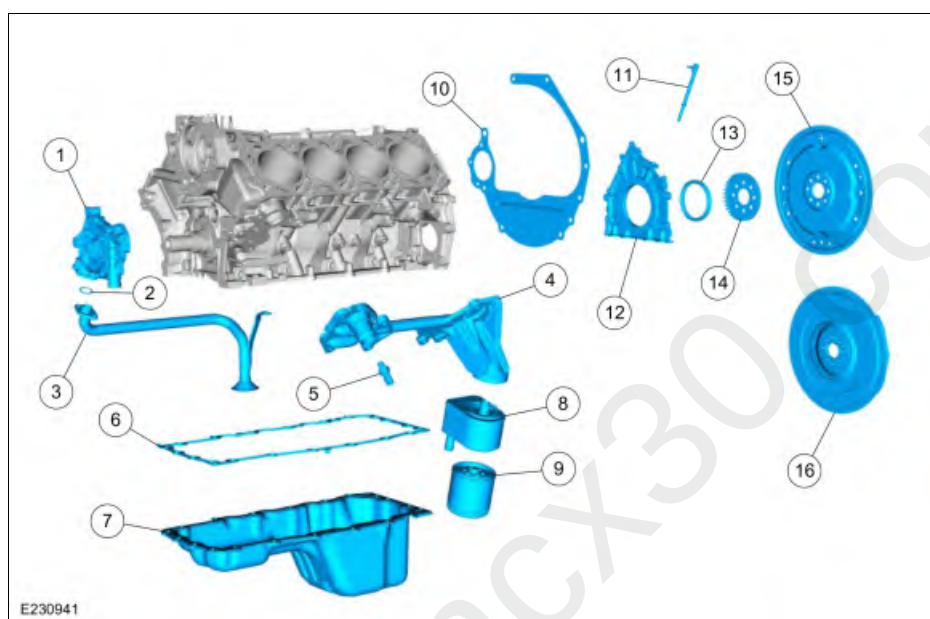
Upper Engine - RH Cylinder Head



Item	Part Number	Description
1	6582	Valve cover - RH
2	6C555	Intake rocker arm and shaft assembly - RH
3	6C554	Exhaust rocker arm and shaft assembly - RH
4	6B280	Front camshaft bearing cap - RH
5	6B284	Camshaft bearing cap - RH (4 required)
6	6B667	Oil level indicator and tube
7	6250	Camshaft - RH
8	6C524	Camshaft phaser and sprocket - RH
9	12405	Upper spark plug (4 required)
10	12405	Lower spark plug (4 required)
11	6518	Valve spring retainer key (8 required) - Intake
12	6514	Valve spring retainer (4 required) - Intake
13	6513	Valve spring (4 required) - Intake
14	6A517	Valve stem seal (4 required) - Intake

15	6518	Valve spring retainer key (8 required) - Exhaust
16	6514	Valve spring retainer (4 required) - Exhaust
17	6513	Valve spring (4 required) - Exhaust
18	6A517	Valve stem seal (4 required) - Exhaust
19	6049	Cylinder head - RH
20	6051	Cylinder head gasket - RH
21	6505	Exhaust valve (4 required) - RH
22	6507	Intake valve (4 required) - RH
23	9448	Exhaust manifold gasket (2 required) - RH
24	9430	Exhaust manifold - RH
25	9A462	Exhaust manifold heat shield - RH

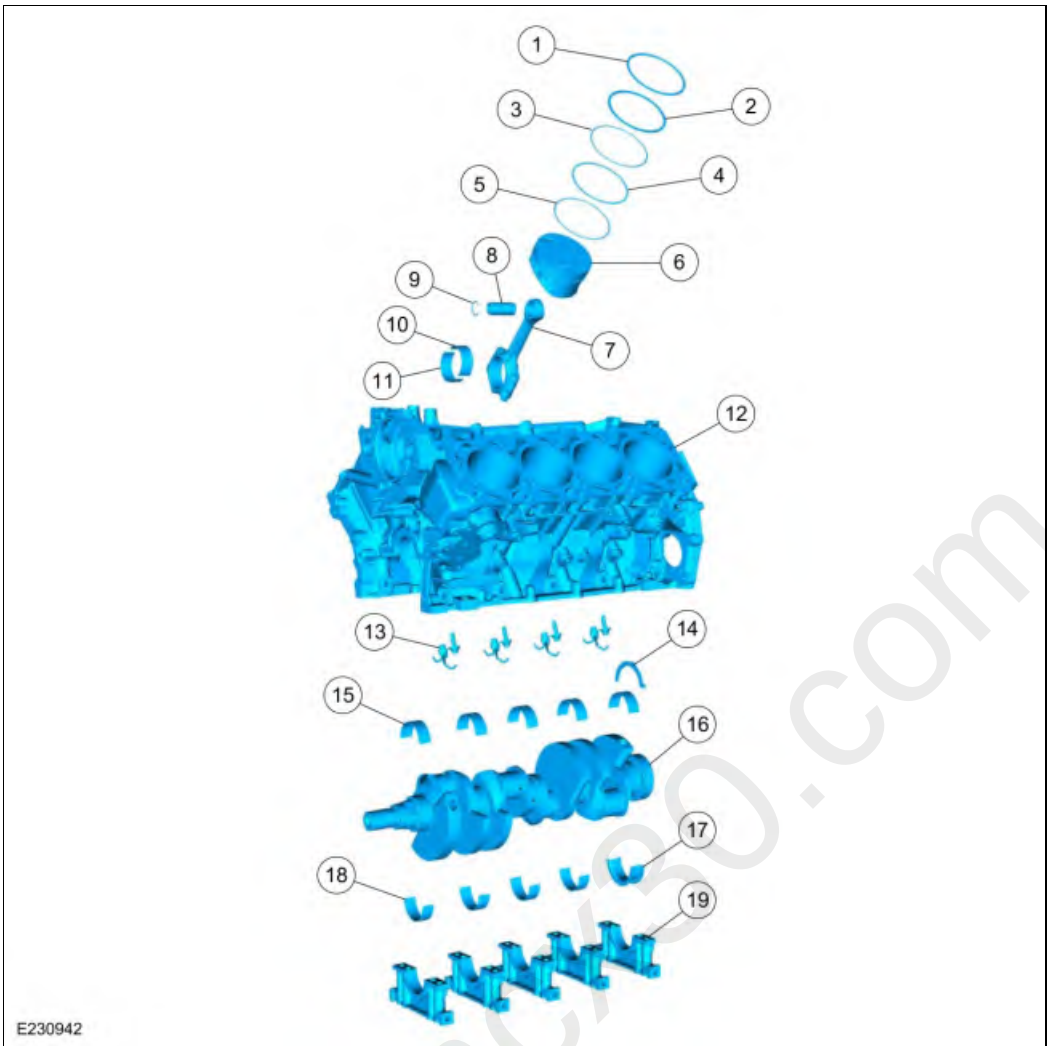
Lower Engine Block (View 1)



Item	Part Number	Description
1	6600	Oil pump
2	6625	Oil pump screen and pickup tube O-ring seal
3	6622	Oil pump screen and pickup tube
4	6881	Oil filter adapter
5	9278	Oil pressure switch
6	6710	Oil pan gasket
7	6675	Oil pan
8	6A642	Oil cooler
9	6731	Oil filter
10	6A373	Engine-to-transmission space plate
11	6C315	Crankshaft position (CKP) sensor
12	6K301	Crankshaft rear seal retainer plate
13	6701	Crankshaft rear seal
14	12A227	Crankshaft position (CKP) sensor ring
15	6379	Flexplate

16	6375	Flywheel
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Lower Engine Block (View 1)



Item	Part Number	Description
1	â€”	Piston compression upper ring (part of 6148) (8 required)
2	â€”	Piston compression lower ring (part of 6148) (8 required)
3	â€”	Piston oil control upper segment ring (part of 6148) (8 required)
4	â€”	Piston oil control spacer (part of 6148) (8 required)
5	â€”	Piston oil control lower segment ring (part of 6148) (8 required)
6	6108	Piston
7	6200	Connecting rod (8 required)
8	6135	Piston pin (8 required)
9	6140	Piston pin retainers (16 required)
10	6211	Upper connecting rod bearings (8 required)
11	6211	Lower connecting rod bearings (8 required)
12	6010	Cylinder block
13	6K868	Piston oil cooler valve (4 required)
14	6A341	Crankshaft thrust washer - upper
15	6D309A	Crankshaft bearing - upper (5 required)
16	6303	Crankshaft

17	6D309B	Crankshaft thrust washer - lower
18	6D309A	Crankshaft bearing - lower (4 required)
19	6325	Crankshaft main bearing cap (5 required)

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