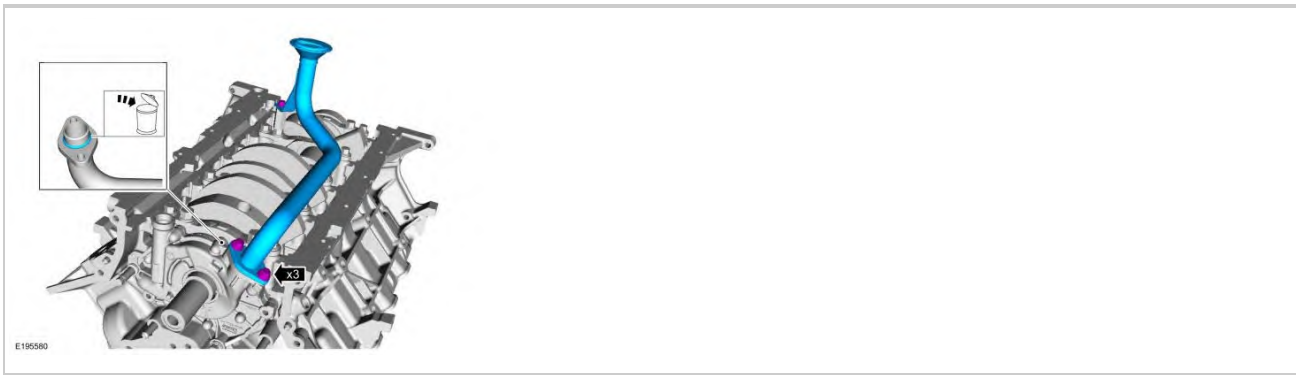
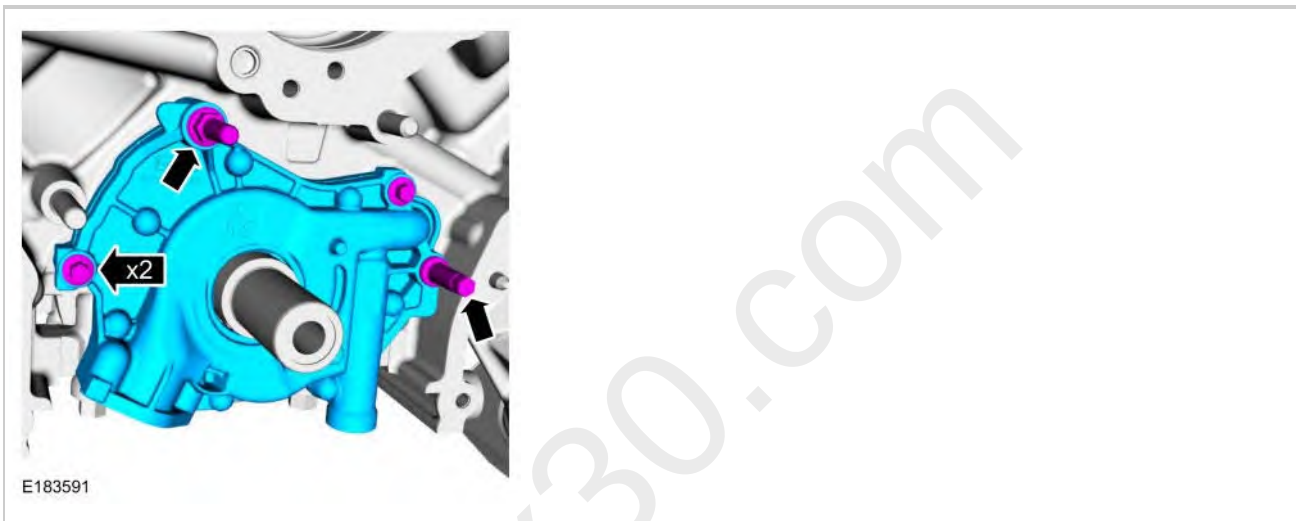




6.

Remove the bolts, stud bolts and the oil pump.



REMOVAL AND INSTALLATION > OIL PUMP > INSTALLATION

1.

 **NOTE:** Oil pump must be held against the cylinder block until all bolts are tightened.

Rotate the inner rotor of the oil pump assembly to align the flats on the crankshaft and slip the oil pump over the crankshaft until seated against the block.

Rotate the oil pump until the bolt holes are aligned to the block and install the fasteners hand tight.

Torque:

Stage 1: A: 89 lb.in (10 Nm)

Stage 2: B: 18 lb.ft (25 Nm)

Stage 3: C: 89 lb.in (10 Nm)

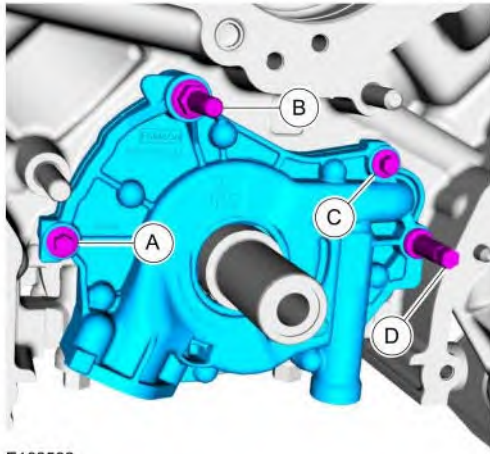
Stage 4: D: 177 lb.in (20 Nm)

Stage 5: A: 45°

Stage 6: B: 75°

Stage 7: C: 45°

Stage 8: D: 60°



2.

Using a new O-ring seal, install the oil pump screen and pickup tube and the bolts.

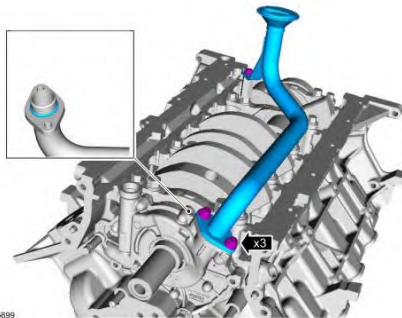
Torque:

Oil pump screen and pickup tube-to-oil pump bolts:

Stage 1: 66 lb.ft (89 Nm)

Stage 2: 45°

Oil pump screen and pickup tube-to-spacer bolt : 18 lb.ft (25 Nm)



3.

Install the oil pan. Refer to: Oil Pan .