

Material

Item	Specification	Fill Capacity
High Temperature Nickel Anti-Seize Lubricant XL-2	ESE-M12A4-A	—
Motorcraft SAE 5W-20 Premium Synthetic Blend Motor Oil XO-5W20-QSP (US); Motorcraft SAE 5W-20 Super Premium Motor Oil CXO-5W20-LSP12 (Canada); or equivalent	WSS- M2C930-A	—
Motorcraft SAE 5W-30 Premium Synthetic Blend Motor Oil XO-5W30-QSP (US); Motorcraft SAE 5W-30 Super Premium Motor Oil CXO-5W30-LSP12 (Canada); or equivalent	WSS- M2C929-A	—
Motorcraft SAE 5W-50 Full Synthetic Motor Oil XO-5W50-QGT or equivalent	WSS- M2C931-B	—
Penetrating and Lock Lubricant (US); Penetrating Fluid (Canada) XL-1 (US); CXC-51-A (Canada)	—	—

Torque Specifications

Description	Nm	lb-ft	lb-in
A/C compressor stud bolts— 4.6L (3V), 5.4L (4V)	25	18	—
Camshaft Position (CMP) sensor bolt — 4.0L	6	—	53
CMP sensor bolt — 4.6L (3V), 5.4L (4V)	10	—	89
Catalyst Monitor Sensor (CMS)	48	35	—
Charge Motion Control Valve (CMCV) — 4.6L (3V)	10	—	89
Crankshaft Position (CKP) sensor bolts	10	—	89
Cylinder Head Temperature (CHT) sensor — 4.6L (3V)	10	—	89
CHT sensor — 5.4L (4V)	26	19	—
Engine Coolant Temperature (ECT) sensor — 5.4L (4V)	15	—	133
Fuel rail pressure and temperature sensor bolts	6	—	53
Heated Oxygen Sensor (HO2S)	48	35	—
Intake Air Temperature 2 (IAT2) sensor — 5.4L (4V) ^a	—	—	—
Knock Sensor (KS) bolts	20	—	177
Mass Air Flow (MAF) sensor screws	2	—	18
PCM bolts	8	—	71
Supercharger (SC) bypass vacuum actuator — 5.4L (4V)	20	—	177
Throttle Position (TP) sensor screws	3	—	27
Variable Camshaft Timing (VCT) solenoid — 4.6L (3V)	5	—	44

^a Refer to the procedure in this section.

