	303-335 (T88T-6701-A) Installer, Front Cover Oil Seal TKIT-1988-FLM TKIT-1988-F
	307-399 Alignment Pins, Transmission Fluid Pump TKIT-2002N-DEW TKIT-2000AP-FLM/LM
Feeler Gauge	
Floor Crane	
Mounting Stand	
Piston Ring Compressor	

Materials

Name	Specification
MotorcraftÂ® High Performance Engine RTV Silicone TA-357	WSE-M4G323-A6

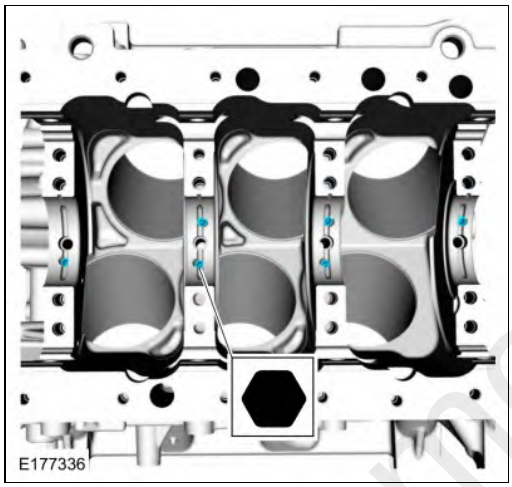
LHD AWD/LHD RWD

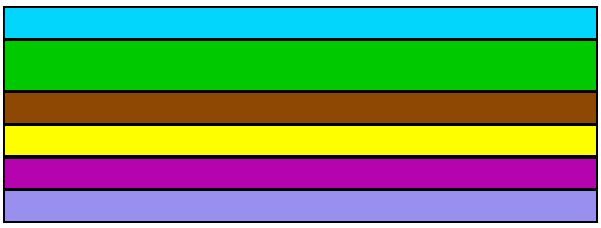
NOTICE: During engine repair procedures, cleanliness is extremely important. Any foreign material, including any material created while cleaning gasket surfaces that enters the oil passages, coolant passages or the oil pan, may cause engine failure.

NOTE: *Assembly of the engine requires various inspections/measurements of the engine components. These inspections/measurements will aid in determining if the engine components will require replacement. Refer to Section 303-00.*

NOTE: *If the cylinder head(s) is replaced, a new secondary timing chain tensioner will need to be installed.*

1. Using a hex bit, install the piston oil cool valves.
   Torque: 35 lb.in (4 Nm)





2. **NOTE:** *This step is for selecting the correct main bearings.*

   NOTE: *The #1 main bearing is at the front of the engine block.*

   - Select the crankshaft main bearings for each crankshaft journal.
   - Record the code that is on the cylinder block face.
   - Record the code that is on the crankshaft flange.
   - The first letter is for main No. 1 and the next letters are for mains 2, 3 and 4.

mcx30.com