MotorcraftÂ® Metal Surface Prep Wipes ZC-31-B	-
MotorcraftÂ® Metal Brake Parts Cleaner PM-4-A, PM-4-B	-

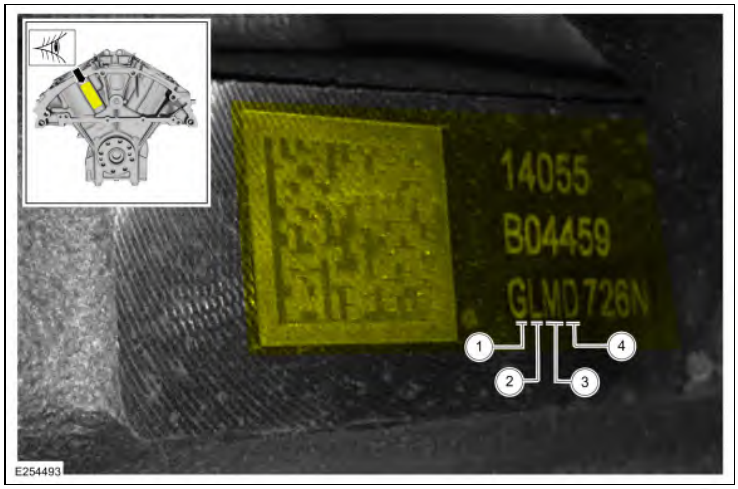
NOTICE: During engine repair procedures, cleanliness is extremely important. Any foreign material, including any material created while cleaning gasket surfaces, that enters the oil passages, coolant passages or the oil pan, can cause engine failure.

NOTICE: The turbocharger compressor vanes can be damaged by even the smallest particles. When removing any turbocharger or engine air intake system component, ensure that no debris enters the system. Failure to do so may result in damage to the turbocharger.

NOTE: *If the components are to be reinstalled, they must be installed in their original location. Mark the components for installation into their original location.*

NOTE: *Refer to the exploded view under the Engine Component View in the Description and Operation.*

1. Inspect the turbocharger or engine air intake system components and clean, if necessary.
2. Read and record the four character code on the cylinder block. The first letter is the code for main No. 1, the second letter for main No. 2, the third letter for main No. 3 and the fourth letter for main No. 4.



3. Read and record the four character code on the crankshaft face. The first letter is the code for main No. 1, the second letter for main No. 2, the third letter for main No. 3 and the fourth letter for main No. 4.

4. Using the data recorded earlier and the Bearing Select Fit Chart, determine the required bearing grade for the main bearings.
    1. Look at the bearing select fit chart and for each main, match the block and crankshaft code with its corresponding column or row by reading across the crankshaft row and down the block column to select the proper grade bearings for each main.
    2. For example, if the block code is GLMD and the crankshaft code is PNLO, main No. 1 should be assembled with grade 2 upper and lower bearings, as determined by the intersection of the **G** block column and the **P** crankshaft row. Main No. 2 should be assembled with grade 3 upper and lower bearings. Main No. 3 should be assembled with grade 3 upper and grade 4 lower bearings. Main No. 4 should be assembled with grade 2 upper and lower bearings.