

► TASK Inspect camshaft bearing surface for wear, damage, out-of-round, and alignment; determine needed action.

MAST
1B14

CDX Tasksheet Number: C027

Time off _____

Time on _____

Total time _____

NOTE Perform this task only if the engine is an overhead cam design. If it is a cam-in-block design, the camshaft bearings are inspected during the Block Disassembly, Inspection, and Repair tasksheet.

1. Research the procedures and specifications for inspecting and measuring the camshaft bearings in the appropriate service information.

- a. Specified camshaft bearing inside diameter: _____ in/mm
- b. Specified camshaft journal diameter: _____ in/mm
- c. Specified camshaft journal bearing clearance: _____ in/mm

2. Measure the inside diameter of the camshaft bearings. List your measurements in the table below.

Camshaft Bearing	#1	#2	#3	#4	#5
Cam #1 (in/mm)					
Cam #2 (in/mm)					
Cam #3 (in/mm)					
Cam #4 (in/mm)					

3. Measure the diameter of the camshaft journals (or copy them from the previous task). List your measurements in the table below.

Camshaft Journal	#1	#2	#3	#4	#5
Cam #1 (in/mm)					
Cam #2 (in/mm)					
Cam #3 (in/mm)					
Cam #4 (in/mm)					

4. Calculate the camshaft journal bearing clearance. List your measurements in the table below.

Camshaft Journal	#1	#2	#3	#4	#5
Cam #1 (in/mm)					
Cam #2 (in/mm)					
Cam #3 (in/mm)					
Cam #4 (in/mm)					

5. Inspect the bearings and journals for evidence of damage, wear, and misalignment. List your observation(s):

6. Determine any necessary action(s):

7. Have your supervisor/instructor verify satisfactory completion of this procedure, any observations found, and any necessary action(s) recommended.

Performance Rating

CDX Tasksheet Number: C027

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Supervisor/instructor signature _____ Date _____