

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

MAST
1C6

CDX Tasksheet Number: C034

Time off _____

Time on _____

Total time _____

NOTE Perform this task only if the engine is a cam-in-block design. If it is an overhead cam design, the camshaft bearings are inspected during the Cylinder Head 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
 - d. Specified camshaft journal out-of-round (max): _____ in/mm
2. **Inspect the condition of the cam lobes for excessive wear or damage. List your observation(s):**
3. **Measure the inside diameter of the camshaft bearings and the outside diameter of the cam journals. Calculate the bearing clearance and measure the maximum out-of-round reading for each camshaft journal. List your measurements in the table below.**

Cam Bearing or Journal	#1	#2	#3	#4	#5
Cam bearing diameter (in/mm)					
Cam journal diameter (in/mm)					
Bearing clearance (in/mm)					
Out-of-round (in/mm)					

4. **Inspect the bearings and journals for evidence of damage, wear, and misalignment. List your observation(s):**
5. **Determine any necessary action(s):**

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

Performance Rating

CDX Tasksheet Number: C034

0

1

2

3

4

Supervisor/instructor signature _____ Date _____