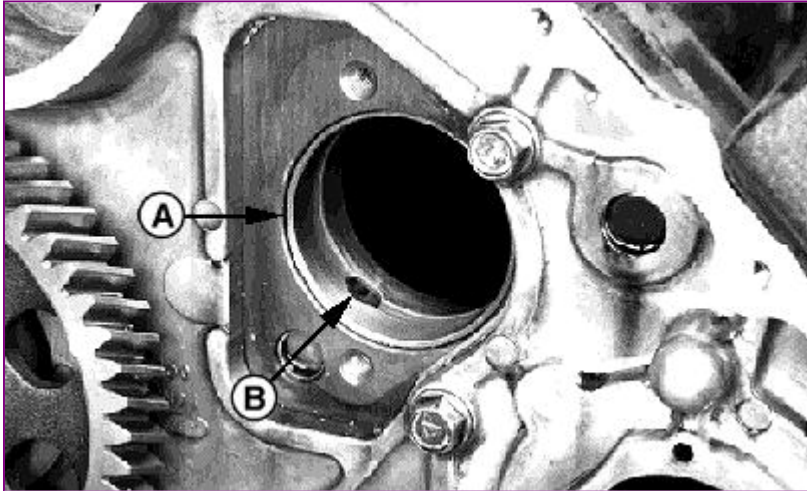


## TM10259 - 17D Excavator Camshaft Bushing and Bores in Cylinder Block Check

### Camshaft Bushing and Bores in Cylinder Block Check



M82072-UN: Camshaft Bushing at Gear Housing End

#### LEGEND:

- A - Camshaft Bushing  
B - Oil Hole

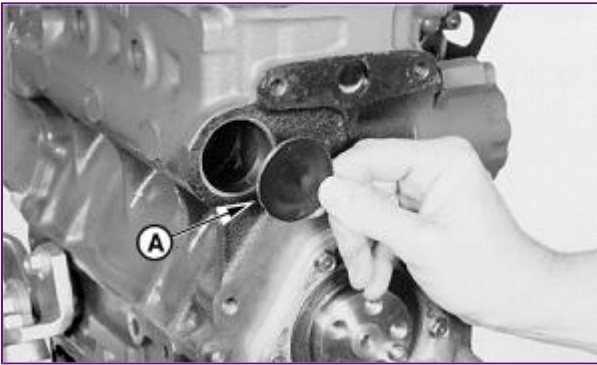
1. **NOTE:**

*The front camshaft bore (gear housing end) is the only camshaft bore that uses a replaceable camshaft bushing (A). If any remaining camshaft bores do not meet specification, the cylinder block must be replaced.*

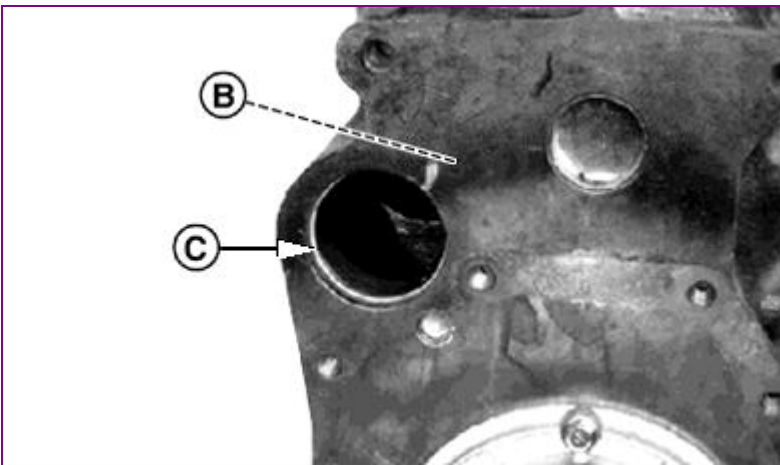
Measure camshaft bushing inside diameter at gear housing end. If bushing diameter is not within specification, replace bushing.

Item	Measurement	Specification
Camshaft Bushing	ID	40.000—40.075 mm 1.575—1.578 in.
Gear Housing End Bushing	ID Wear Limit	40.150 mm 1.581 in.

2. Remove camshaft bushing.
3. Align oil holes in new bushing and cylinder block. Install bushing using a driver set.



4. M35287A-UN: Flywheel End Plug



M82073-UN: Intermediate and Flywheel Bores

**LEGEND:**

- A - Plug
- B - Intermediate Bores
- C - Flywheel-End Bore

Remove flywheel housing. [See Flywheel Housing Remove and Install](#) . (Group 0400.)

5. Remove plug (A) using a long wooden dowel. Insert wooden dowel through gear housing side.
6. Measure intermediate (B) and flywheel-end (C) camshaft bore inside diameters. If bore diameter exceeds specification, replace cylinder block.

Item	Measurement	Specification
Intermediate and Flywheel-End Bores	ID	40.000—40.025 mm 1.575—1.576 in.
	Wear Limit	40.100 mm 1.579 in.
Camshaft Journal-to-Bushing—Gear Housing End	Oil Clearance	0.040—0.135 mm 0.002—0.005 in.
	Wear Limit	0.245 mm 0.010 in.
Camshaft Journal-to-Block—Intermediate	Oil Clearance	0.065—0.115 mm 0.003—0.004 in.

	Wear Limit	0.225 mm 0.009 in.
Camshaft Journal-to-Block— Flywheel End	Oil Clearance	0.040—0.085 mm 0.002—0.003 in.
	Wear Limit	0.195 mm 0.008 in.

7. Apply PM38655 Flexible Form-in-Place Gasket on the outer edge of the plug. Install plug until it bottoms in bore.
8. Install flywheel housing. [See Flywheel Housing Remove and Install](#) . (Group 0400.)