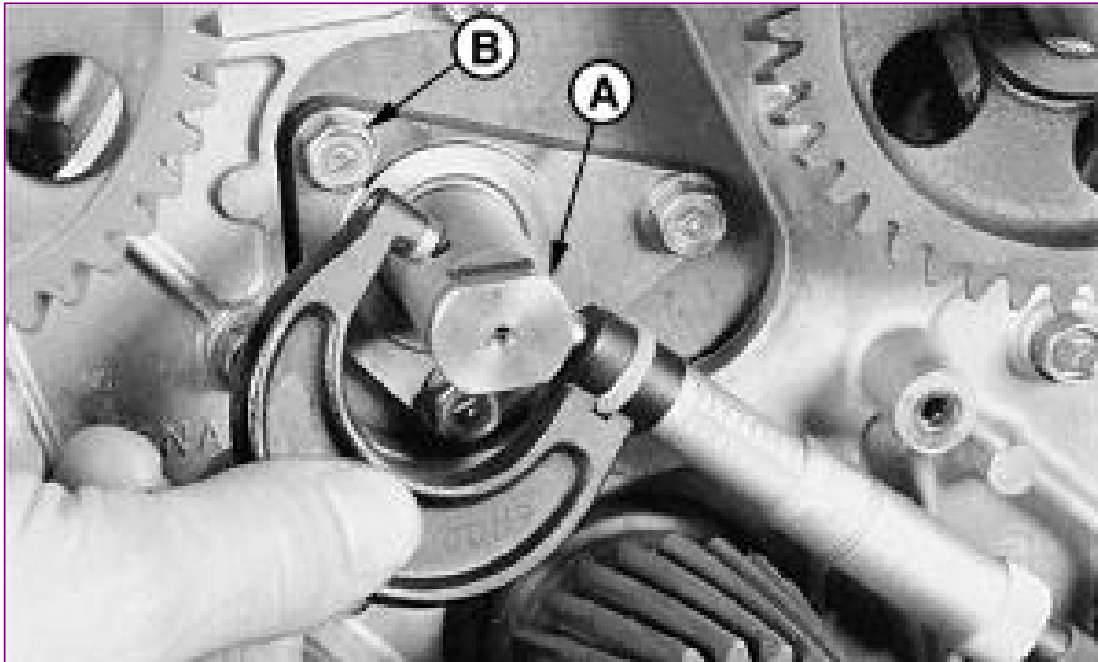


**ctm119 - POWERTECH® 0.9, 1.1, 1.2, 1.3, 1.5, 1.6 & 2.0 L and Yanmar 4TNE98 Diesel Engines**  
**Inspect Idler Gear-3009**

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**Inspect Idler Gear-3009**



**M37834A-UN: Idler Gear Shaft and Cap Screws**



**M35492-UN: Install Bushing Flush with Surface of Idler Gear**

1. Inspect gear for chipped or broken teeth. Replace if necessary.
2. Measure diameter of idler gear shaft (A).

If shaft diameter is less than wear limit, remove three cap screws (B) and replace idler gear shaft.

Item	Measurement	Specification
3009 Idler Gear Shaft O.D.	Standard	19.959-19.980 mm (0.786-0.787 in.)
	Wear Limit	19.93 mm (0.785 in.)

3. Measure idler gear bushing diameter.

If bushing diameter exceeds wear limit, replace bushing.

Item	Measurement	Specification
3009 Idler Gear Bushing ID	Standard	20.00-20.021 mm (0.787-0.788 in.)
	Wear Limit	20.08 mm (0.791 in.)
Oil Clearance (Max.)	Standard	0.15 mm (0.0059 in.)

To replace bushing:

Replace bushing using a driver set. Align oil holes in bushing and idler gear. Install bushing flush with surface of idler gear.

If bushing oil clearance (bushing I.D. minus shaft O.D.) exceeds specification, replace bushing, shaft or both.

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