

Installation Instructions



PN: 11-GD001

Description:
Godzilla Gear Drive

What's Included

Assembled Idler Plate
(Idler Plate, Stud, Idler Gear, Bearings, C Clip, Nut)

Assembled Cam Gear
(Inner Hub, Dowel, Outer Gear, Reluctor,
3x Spacer, 3x Stud, 3x Nut, 3x BHCS)

Crank Gear

Idler Plate Bolts

Specialty Tools Needed

22mm 16PT Spline Socket
(CTA 3870 or similar)

3 Arm Damper Puller
(Duralast 81-057 or similar)

Blue Loctite

Anti-seize Lubricant

Tools Needed

21mm Socket
19mm Socket
18mm Socket
10mm Socket
8mm Socket
11/16 Socket (For Damper Puller)
Torque Wrenches
13mm Open End Wrench
Adjustable Crescent Wrench
Pry Bar

Removing Front Cover

1. Use 21mm Socket to remove damper bolt
2. Use Damper Puller to remove damper
3. Use 10mm Socket to remove belt tensioner
(Fig. 1 - Green)
4. Use 10mm Socket and 18mm Socket to remove
thirteen Front Cover bolts (Fig. 1 - Blue)
5. Use 10mm Socket to remove front Three oil pan
bolts (Fig. 1 - Yellow)

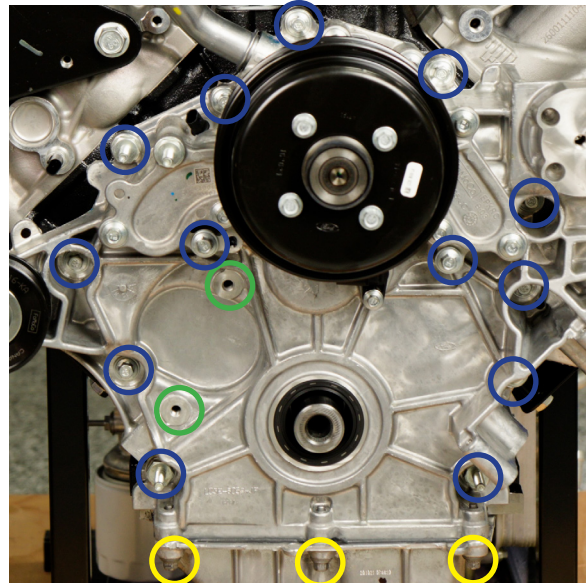


Fig. 1

Installation Instructions



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Removing Stock Timing Components

- 1. Use 10mm Socket to remove Valve Covers**
- 2. Use 8mm Socket to remove Rockers**
- 3. Set Rockers and Pushrods aside**
- 4. Use 22mm 16pt Spline Socket to LOOSEN cam bolt**
- 5. Use 13mm Box Wrench to remove oil pump chain tensioner (Fig 2. - Green)**
- 6. Use 8mm Socket to remove timing chain tensioner and timing chain guide (Fig. 2 - Blue)**
- 7. Remove stock cam bolt, cam gear, timing chain, and crank gear.**

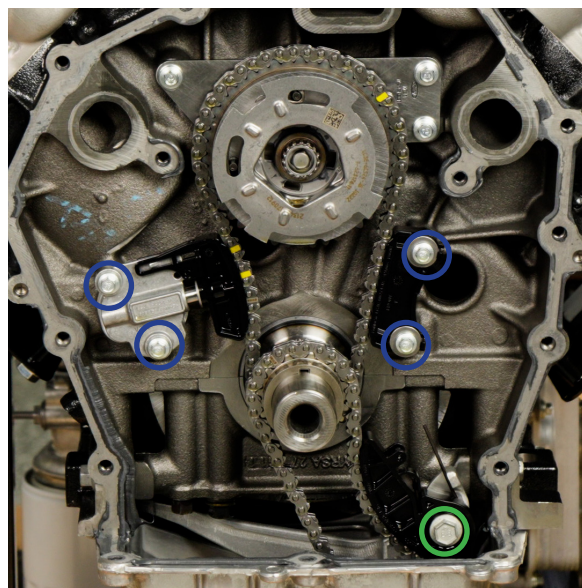


Fig. 2

Installation Instructions



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Installing Gear Drive Components

- 1. Rotate crankshaft so that keyway is aimed towards cylinder 1 at roughly a 45 degree angle (Fig. 3 - Green)**
- 2. Rotate camshaft so that locating pin recess is aimed towards cylinder 1 at roughly a 30 degree angle (Fig 3. - Blue)**
- 3. Apply blue loctite to idler plate bolts and install idler plate FINGER TIGHT ONLY. (Fig 3. - Yellow)**
- 4. Install new cam gear verifying the locating pin is located in recess and that alignment dots on cam gear and idler gear are aligned.**
- 5. Apply anti-seize to threads and shank of new Solid Cam Bolt, install and lightly snug**
- 6. Install new crank gear verifying that the alignment dots on the crank gear and idler gear are aligned.**
- 7. Torque solid cam bolt to 120 ft-lbs**
- 8. Torque idler plate bolts to 106 in-lbs**
- 9. Reinstall oil pump drive gear, chain, and chain tensioner**
- 10. Reinstall front cover and damper**
- 11. Install new damper bolt**

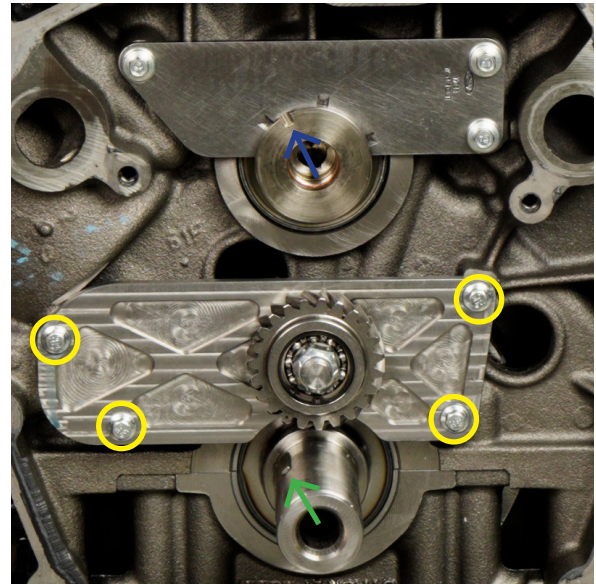


Fig. 3