

2304 Spring Ridge Dr. Unit A Spring Grove, IL 60081

Massive Speed System Ford / Mazda Duratec / MZR VCT Delete Install Notes

- These instructions assume installer will follow factory timing procedures before, during and after these install notes. Failure to do so will result in serious engine damage. Professional install always recommended.
- Be sure you have ordered the correct kit for your engine. See Fig. 6 on pg 2. We make a version for either should you need to exchange.
- Make sure car is parked on a level surface with transmission set to park or in gear. Block rear tires. Use jack stands.
- Remove valve cover.
- Remove VCT solenoid. (Fig. 1)
- Remove intake camshaft.
- Install new NON VCT-fixed style cam gear onto new non VCT camshaft. Use provided polished M10 bolt and purple washer plate. Torque to factory specs. (Fig. 2)
- PLEASE NOTE - new cam gear must match tooth count of original removed gear - COUNT yours to be sure. NOTE - This VCT delete will only work with factory or aftermarket intake cams that DID NOT originally have VCT.
- Reinstall camshaft into head, using all original



Fig. 1 OEM VCT Solenoid

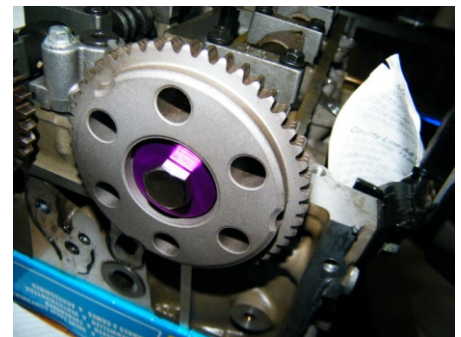


Fig. 2 New bolt and washer



Fig. 3 Press slug into hole

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cam caps, including cam cap number 11 without vct solenoid.

- Proper lash must be set before continuing.
- Once lash is set, remove cam cap number 1. Insert provided purple VCT delete slug into cam cap, smaller diameter side first. (Fig.3 & Fig. 4)
- Carefully reinstall to head using OE torque specs. (Fig. 5)
- New gear should be installed / motor timed per Ford Service manual and/or by a professional. Torque to Ford Spec.
- Enjoy!!!



Fig. 4 Passage slug pressed in



Fig. 5 Finished install



Fig. 6 VCT Solenoid Comparison