

Part # 5000

## Cam Phaser & Timing Chain Locking/Holding Set - VVT

- Cam Phaser & Timing Chain Locking / Holding Set for 3.0L, 3.2L & 3.6L VVT Pentastar engines
- Includes 2 camshaft phaser holders and 3 timing chain holders
- Applications: 2011-2019 Chrysler, Dodge & Jeep models
- Compare to factory tool #'s 10202, 10200A & 10369A
- Material: Durable Nylon Plastic
- Component Breakdown:
  - 5005 - 2 Pc. Cam Locking Set
  - 5006X01 – Holding Tool – Slotted Wide
  - 5006X02 – Holding Tool – Unslotted
  - 5006X03 – Holding Tool – Slotted Narrow
  - 5006X04 – L Pin

### Application Details:

Make	Model	Year
Chrysler	200	2011-2017
Chrysler	300 & 300C	2011+
Chrysler	Town & Country	2011+
Dodge	Journey	2011+
Dodge	Avenger	2011-2014
Dodge	Challenger (KL)	2011+
Dodge	Charger	2011+
Dodge	Grand Caravan	2011+
Dodge	Caravan	2011-2017
Dodge	Durango (VF)	2011-2015
Dodge	RAM 1500	2011-2018
Jeep	Grand Cherokee	2011-2015
Jeep	Wrangler (JF)	2013-2017



**CAUTION:** To prevent injury, always wear gloves and eye protection that meets ANSI Z87.1 and OSHA standards.  
**CAUTION:** To prevent equipment damage, clean and lubricate threaded screws and holes before and after use.

### INSTRUCTIONS:

#### Removal:

1. Remove engine covers and accessories necessary for access to front timing cover.
2. Remove timing cover.
3. Rotate crankshaft to TDC on compression stroke for cylinder #1.
4. Verify camshaft and crankshaft timing marks are aligned.

#### Locking Procedure:

1. Install the 2 cam phaser holders (5005) onto the ends of the camshafts. Tighten the hex bolts securely.
2. Install the 3 timing chain holders (5006X01, 5006X02, 5006X03) onto the timing chain using the supplied retaining pin (5006X04). Position per service manual instructions.
3. The cam phasers and timing chain are now locked in place for service.

#### Unlocking Procedure:

1. Remove timing chain holders and retaining pin.
2. Loosen and remove cam phaser holders.
3. Verify camshaft timing marks align with crankshaft prior to reinstalling timing cover.
4. Reinstall timing cover and components. Tighten all fasteners to OE torque specs.
5. Start engine and verify proper operation.

