

**Chrysler 5.7L 2004-10, 6.1L 2006-10  
Dodge 5.7L 2005-11, 6.1L 2006-10  
Dodge Truck 5.7L 2003-10**

## **Performance Timing Set Installation Instructions**

**This Performance Set provides the option to ADVANCE or RETARD the timing with either the CAM or CRANK SPROCKET. You must choose one method before proceeding.**

1. Install the tensioner plate. Torque bolts to 250 in / lbs. Remove pin after the chain is installed.
2. Select Dowel Pin Bushing for the Adjustable Cam Sprocket.  
Determine whether to ADVANCE or RETARD or keep NEUTRAL timing.  
Degree Options are:  
0-Silver  
2-Gray  
4-Gold  
6-Black  
Offset to the right provides ADVANCE, Offset to the left provides RETARD.
3. Install Adjustable Cam Sprocket  
Position cam sprocket with timing mark and camshaft pin at 12 o'clock.  
Torque cam bolt to 90 lbs.
4. Install the 9 position crank sprocket.  
Use the "0" neutral position or 2, 4, 6, or 8 degree Advance or Retard keyways. "A" indicates Advance and "R" indicates Retard. Timing mark MUST be at 6 o'clock and keyway at 2 o'clock.
5. Install the Oil Pump Drive sprocket on the crankshaft outside of the crank sprocket.  
Make sure the side with recessed step is facing out.
6. Install Chain.
7. Install the Oil Pump on the Oil Pump Drive Sprocket.  
Place the oil pump spacers between the oil pump and engine block mounting holes. The peanut shaped spacer has the oil flow hole.
8. Remove Oil Pan. Elongate the mounting hole on the bracket of the Oil Pump Pickup Tube by 1/8" to 1/4" so it can slide forward and connect to the Oil Pump. This compensates for the Oil Pump spacers.
9. Install timing cover. There should be clearance. If not, grind off any high spots.