

# **ADJUSTABLE CAM SPROCKET**

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CHEVROLET LS1 5.7L, LS6 5.7L, LS2 6.0L

CHEVROLET LS3 6.0L, 6.2L

CHEVROLET LS4 5.3L, LR4 4.8L

## ***INSTALLATION INSTRUCTIONS***

Cam Timing Adjustment using the enclosed  
5 piece Dowel Pin Offset Bushing Insert kit

0 Degrees	Gray
2 Degrees	Gold
4 Degrees	Copper
6 Degrees	Silver
8 Degrees	Black

On the Thrust Bearing side of the Cam Sprocket  
Insert the Offset Bushing in the Dowel Pin hole

**SA3536AXA**

# Chevrolet LS3 6.2L (3 Bolt Cam Sprocket) Chevrolet LS3 6.0L (Single Bolt Cam Sprocket) Crank Sprocket and Hub Sprocket Installation Instructions

Install the 9-Position Crank Sprocket *first*. The camshaft can be advanced or retarded off of Neutral or the "Straight-Up" position by positioning the crank sprocket using 2°, 4°, 6°, or 8° Advance or Retard keyways. "A" indicates Advance and "R" indicates Retard. (See *Figure 1*)



*Figure 1*

Install the Hub Sprocket on the *outside* of the 9-Position Crank Sprocket. (See *Figure 2* and *Figure 3*)



*Figure 2*



*Figure 3*

Install the Oil Pump on the Crankshaft Hub Sprocket. Use the two spacer plates enclosed when bolting the Oil Pump to the Block. Place the spacer plates between the Oil Pump and Engine Block mounting holes. The triangle shaped plate is for the oil flow hole. This will provide proper clearance from the timing set. There should also be clearance from the timing cover. If not, grind any high spot off the inside timing cover.