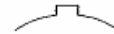
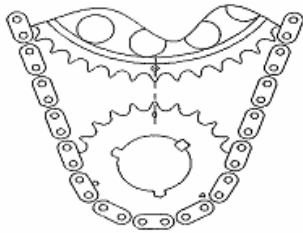




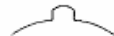
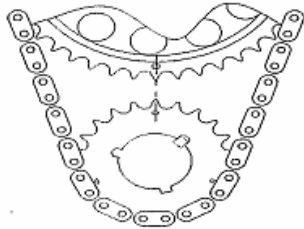
INSTALLATION SHEET
DOUBLE ROLLER TIMING CHAIN AND SPROCKET SET
2.5L/4.0L JEEP ENGINES
PART NUMBER P5249519

The 3-Key way crank sprocket allows adjustment of the crankshaft timing by ± 4 degrees.
Remember: The camshaft angle is half of the crankshaft angle. So the camshaft will advance or retard by ± 2 Degrees. By changing the cam timing, enhancements to the camshaft characteristics can be achieved. For example, retarding the cam timing will increase high RPM, horsepower and advancing the cam timing will increase low-end torque. The following examples illustrate which timing mark is used with its corresponding keyway:



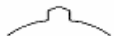
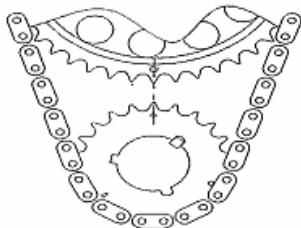
Retard keyway (squared top)

To retard the camshaft timing, use the Y timing mark on the crank sprocket and the retard keyway shown above.



Factory keyway (rounded top)

For factory specified timing, use the O timing mark on the crank sprocket and the factory keyway shown above.



Advance keyway (peaked top)

To advance the camshaft timing, use the Δ timing mark on the crank sprocket and the advance keyway shown above.