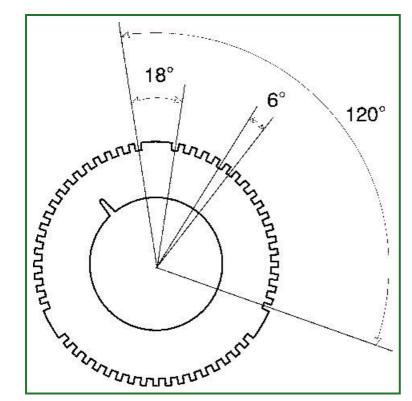


RG8378-UN: Crankshaft Timing Wheel

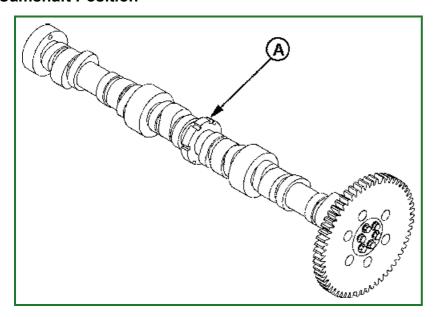


RG8379-UN: Crankshaft Timing Wheel Notches

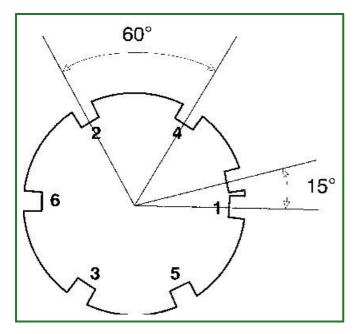
The crank timing wheel (A) is located on the front of the crankshaft, behind the pressed-on crank gear (B). The timing wheel is composed of 54 notches, divided into 3 groups of 18 notches. Before the first notch in each group is a flat area equal to 18° of crankshaft rotation, the following 17 notches are separated by 6° of crankshaft

rotation. Each group of 18 notches and a flat area is equal to 120°, or a third of a full turn.

Camshaft Position



RG8380-UN: Camshaft Timing Wheel



RG8381-UN: Camshaft Timing Wheel Notches

The camshaft timing wheel (A) consists of 7 notches cut into the center journal of the camshaft. Six of the 7 notches are evenly spaced at 60° center-to-center. Each of the 6 notches correspond to a cylinder; the 7th notch is located 15° center-to-center before the notch that identifies cylinder number 1. The ECU has the engine firing order stored in memory, therefore it knows that following the notch identifying cylinder 1 will be the notch identifying cylinder 5 etc. The camshaft timing wheel turns at one half the speed of the crankshaft timing wheel.

Crankshaft/Camshaft Position Relationship