

TECHNICAL BULLETINS



Make CHEVROLET
Model CAVALIER
Liter 2.2
VIN 4
Year 1998-02

TB # 2032 CRANKSHAFT CAUTION FOR 2.2L GM VIN 4

**Crankshaft Caution On
1996-99 GM 2.2L VIN 4 Engines**

The AERA Technical Committee offers the following information regarding crankshaft caution on 1996 - 99 GM 2.2L VIN 4 engines. There seems to be one casting number that is used, 4618, but two different crankshaft designs. Members are advised not to mix these crankshafts up, as it will cause a drivability problem with the vehicle.

Both versions of this crankshaft casting number came with timing notch in the crankshaft reluctor wheel. The difference in the crankshafts is that in 1998 the crankshaft was manufactured with the advanced timing notch by approximately 10° more than previous years.

To distinguish the difference between the two crankshafts, place both crankshafts with the nose of the crankshaft toward you and the keyway in the 12 o'clock position. Note the location of the notch at the top of the reluctor wheel compared to the casting line in the crankshaft shown in the figure below.

If the right edge of the timing notch on the reluctor wheel is approximately .500" to the left side of the casting line on the crankshaft and located roughly at the 11 O'clock position, then you have the early retarded crankshaft shown on the right in Figure 1 below. If the right edge of the crankshaft is directly next to the casting line and almost straight up at the 12 o'clock position, then you have the advanced later crankshaft shown on the left and introduced in 1998.

The AERA Technical Committee

Related Diagram

FIGURE 1, LATE CRANK LEFT, EARLY CRANK RIGHT

