

Enginetech Inc
Tech Assistance 800-410-3664 ext. 340 or 237

TECHNICAL BULLETIN		Mfg: FORD
	March 2000 TB 1781	Model: TAURUS
		Liter: 3.0L
		V I N: S
		Year: 96-06

Revised Camshaft Timing Procedure For
1996-99 Ford 2.5 & 3.0L VIN L & S Engines

The AERA Technical Committee offers the following information regarding a revised camshaft timing procedure for 1996-99 Ford 2.5 & 3.0L VIN L & S engines. These engines are also referred to as the Duratec V-6 design. They're also a non-freewheeling design. Extreme care should be taken during cam timing procedures or piston to valve contact may result.

This revised method of timing is advised as previous marks on the rear of the cam sprockets may be mis-marked by as much as 30° of rotation. Previously published (pre 2000) service information should not be referenced for timing procedures. The revised method uses the front cam sprocket marks in a more conventional method of timing.

Two methods of cam timing are provided, one with the timing cover on and one with the cover removed. Refer to the illustrations and charts below to verify correct camshaft valve timing. All references are made with the number one cylinder piston at top dead center (TDC).

Front Timing Cover Installed:

1. Rotate the engine clockwise until the front camshaft sprocket marks are above the timing cover top edge and the crankshaft damper notch is aligned with TDC pointer.
2. To verify correct timing, count the number of chain links between the cam sprocket timing marks and the timing cover top edge. The cams are correctly timed if they match the data in Chart 1.

Front Timing Cover Removed:

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Reference:	
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1. Rotate the engine clockwise until the front camshaft sprocket marks are toward their top side and the crankshaft keyway is at the 11 o'clock position (TDC).
2. To verify correct timing, count the number of chain links between front cam sprocket timing marks and the crankshaft sprocket timing marks. The cams are correctly timed if they match the data in Chart 2

The AERA Technical Committee

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Reference:	
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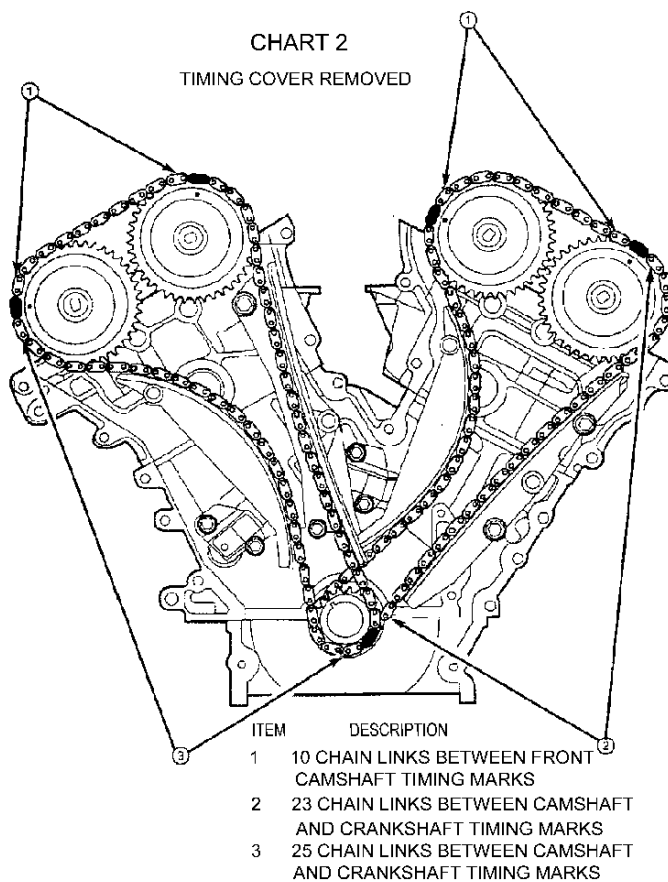


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Bulletin Diagram: TB 1781 Figure 2 - CAM TIMING



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Bulletin Diagram: TB 1781 Figure 1 - CAM TIMING

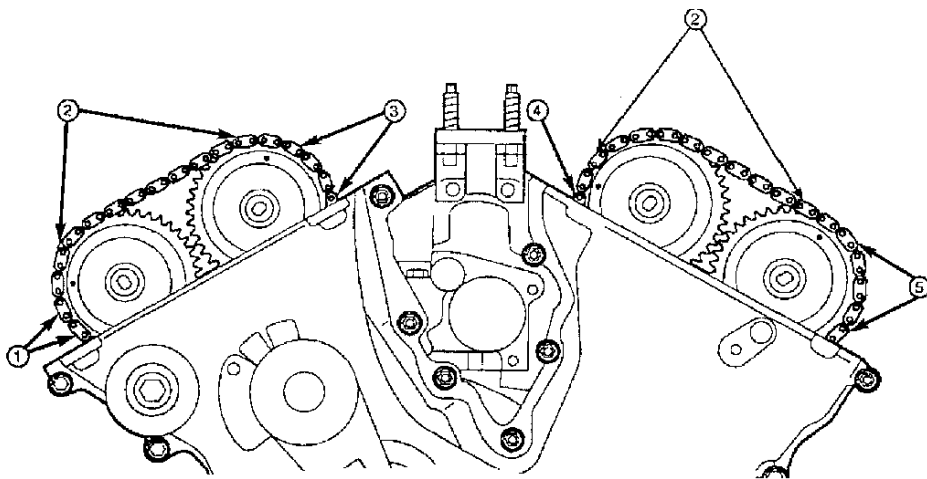


CHART 1 COVER INSTALLED

ITEM	DESCRIPTION
1	2 CHAIN LINKS BETWEEN FRONT COVER AND FRONT CAMSHAFT TIMING MARK
2	10 LINKS BETWEEN FRONT CAMSHAFT TIMING MARKS
3	3 & 1/2 LINKS BETWEEN FRONT COVER SURFACE AND FRONT CAMSHAFT TIMING MARK
4	1/2 CHAIN LINK BETWEEN FRONT COVER SURFACE AND FRONT CAMSHAFT TIMING MARK
5	5 CHAIN LINKS BETWEEN FRONT COVER SURFACE AND FRONT CAMSHAFT TIMING MARK

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Reference: