



## **Factory Procedure for Setting Ignition Timing on 1999-2000 Mazda Miata**

### **Engine Tune-up Preparation**

1. Warm up the engine to normal operating temperature.
2. Shift transmission into Neutral (MT) or P position (AT).
3. Turn off all electrical loads.
  - Headlight
  - Blower
  - Rear window defroster
4. Verify that the battery is fully charged. (Refer to 01-17 BATTERY INSPECTION.)
5. Wait until the electrical fan stops.

### **Ignition Timing Inspection**

1. Perform "Engine Tune-up Preparation".
2. Verify that the idle speed is within the specification.

#### **Specification**

**750—850 (800 ± 50) rpm**

3. If not as specified, adjust the idle speed. (Refer to Idle Speed Adjustment.)
4. Connect a timing light to the high-tension lead of the No.1 cylinder.
5. Verify that the timing mark (white) on the crankshaft pulley and the T mark on the timing belt cover are aligned.

## Factory Ignition Timing range:

**Ignition timing**  
**BTDC 9°—11° (10° ± 1°)**  
**(TIMING MARK [YELLOW])**

The timing marks should be bouncing around in between the range of 9°-11° BTDC (before top dead center)

