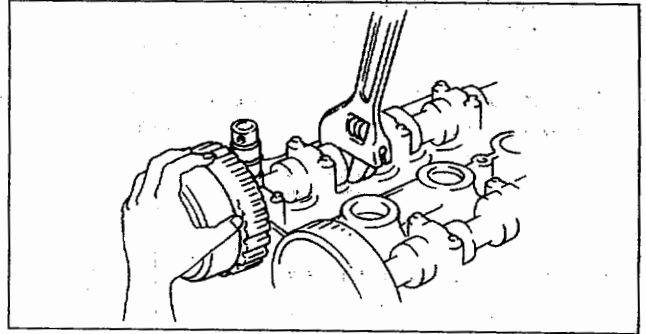


VARIABLE VALVE TIMING ACTUATOR INSPECTION [BP]

D5U011012111W03

Stopper Pin

1. Disconnect the negative battery cable.
2. Remove the timing belt. (See 01-10-9 TIMING BELT REMOVAL/INSTALLATION.)
3. Hold a hexagonal part of the intake camshaft with an adjustable wrench to prevent the camshaft from rotating. Attempt to rotate the variable timing actuator by hand and verify that it does not move.
 - If the variable valve timing actuator moves, the stopper pin in the variable valve timing actuator is not operating. Replace the variable valve timing actuator.
4. Install in the timing belt. (See 01-10-9 TIMING BELT REMOVAL/INSTALLATION)



Z5U0110WA5

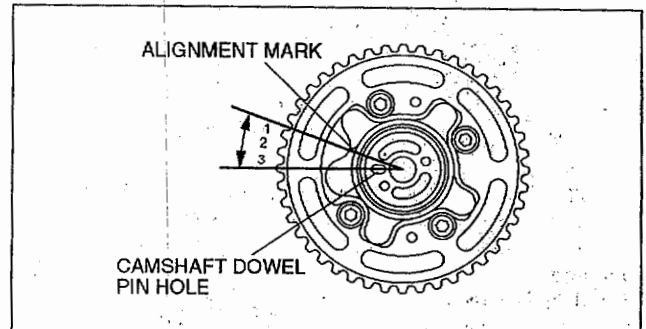
Extreme Spark Retard Position

1. Disconnect the negative battery cable.
2. Remove the variable valve timing actuator.

Caution

- If engine oil gets on parts, they may not function properly. When removing the variable valve timing actuator, be sure to cover the other parts with a cloth to protect them from the oil.

3. Verify that the camshaft dowel pin hole on the variable valve timing actuator is aligned with the top of the third tooth, by counting back 3 teeth to the sprocket gap which is aligned with the alignment mark.
 - If not as specified, the stopper pin in the variable valve timing actuator is not engaged at the position of maximum valve timing retard. Replace the variable valve timing actuator.
4. Install the variable valve timing actuator.



Z5U0110WA6

TIMING BELT REMOVAL/INSTALLATION

D5U011012040W01

1. Disconnect the negative battery cable.
2. Drain the engine coolant. (See 01-12-3 ENGINE COOLANT REPLACEMENT.)
3. Remove the front strut bar. (See 02-13-3 FRONT STRUT BAR REMOVAL/INSTALLATION [BP].) (See 02-13-4 FRONT STRUT BAR REMOVAL/INSTALLATION [BP WITH TC].)
4. Remove the air hose No.2, air hose No.1, air cleaner cover, and air pipe No.1 installation bolt. (BP with TC) (See 01-13-8 INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [BP WITH TC].)
5. Remove the air pipe. (BP) (See 01-13-6 INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [BP].)
6. Remove the drive belt. (See 01-10-3 DRIVE BELT ADJUSTMENT.)
7. Remove the CMP sensor. (BP with TC)
8. Remove the CKP sensor.
9. Remove the high-tension lead and ignition coil. (See 01-18-2 IGNITION COIL REMOVAL/INSTALLATION.)
10. Remove the spark plug. (See 01-18-3 SPARK PLUG REMOVAL/INSTALLATION.)
11. Remove in the order indicated in the table.
12. Install in the reverse order of removal.
13. Inspect the air gap between the crankshaft position sensor.
14. Inspect the engine oil level.