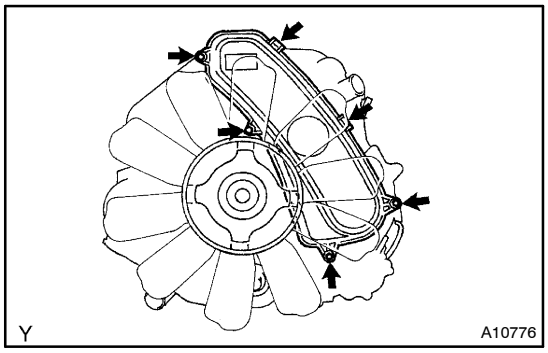
EM15A–01

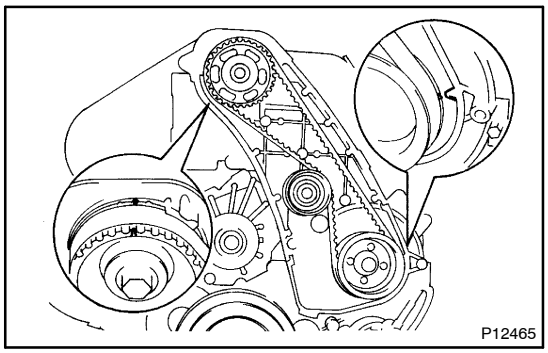
REMOVAL

HINT:
If replacing the timing belt before the timing belt warning light comes on, (light comes on after 100,000 km of driving), be sure to reset the timing belt counter of the speedometer to zero.



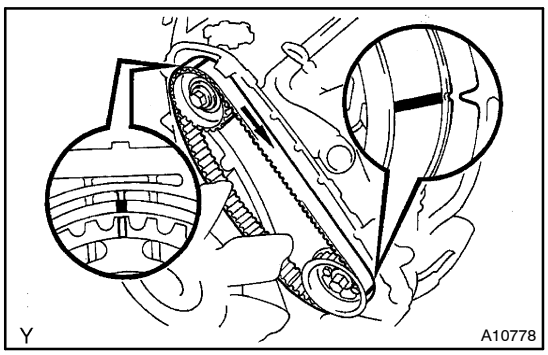
1. REMOVE TIMING BELT COVER

Remove the 4 bolts, seal washers, 2 clips, timing belt cover and gasket.



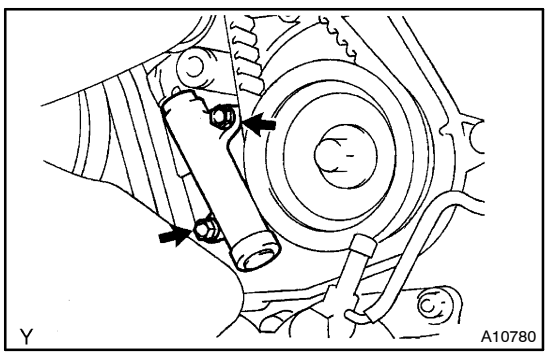
2. SET NO.4 CYLINDER TO TDC / COMPRESSION

Turn the crankshaft pulley clockwise, set both No.1 and No.2 camshaft pulley grooves at TDC marks.



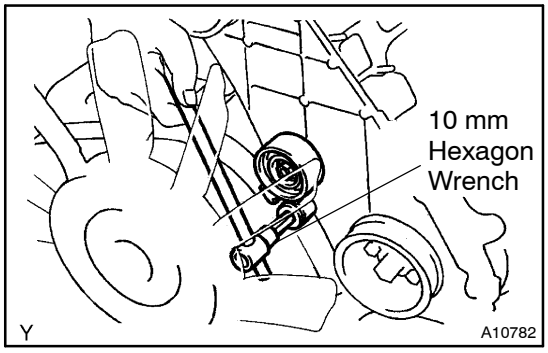
3. IF RE–USING TIMING BELT, MARK TIMING BELT

HINT:
If reusing the timing belt, draw a direction arrow on the bolt (in the direction of engine revolution), and place matchmarks on the pulleys and belt as shown in the illustration.



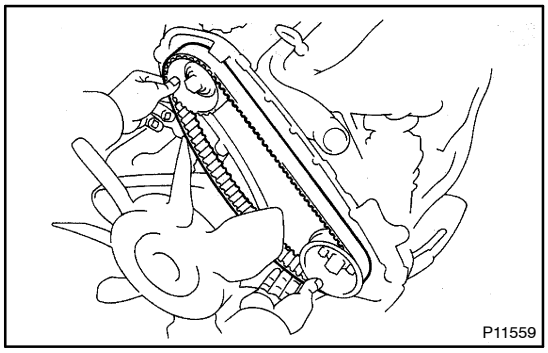
4. REMOVE TIMING BELT TENSIONER

Alternately loosen the 2 bolts, remove them and timing belt tensioner.



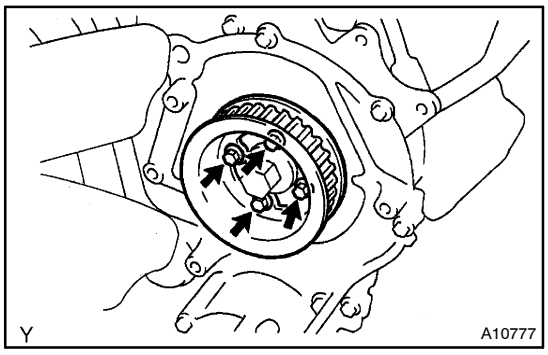
5. REMOVE TIMING BELT IDLER PULLEY

Using a 10 mm hexagon wrench, remove the bolt, timing belt idler pulley and washer.



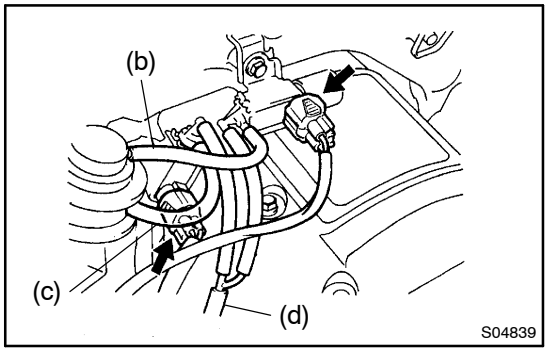
6. REMOVE TIMING BELT

Remove the timing belt from the camshaft timing pulley and crankshaft pully.



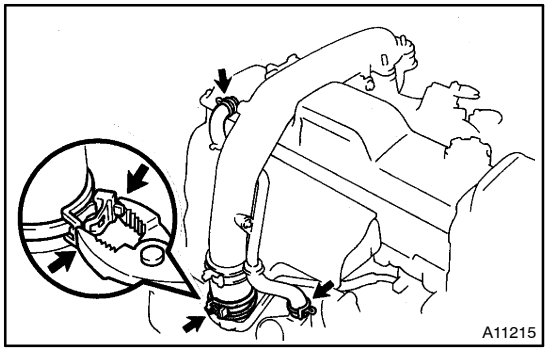
7. REMOVE NO.2 CAMSHAFT TIMING PULLEY

Remove the 4 bolts, No.2 camshaft timing pulley flange and No.2 camshaft timing pulley.

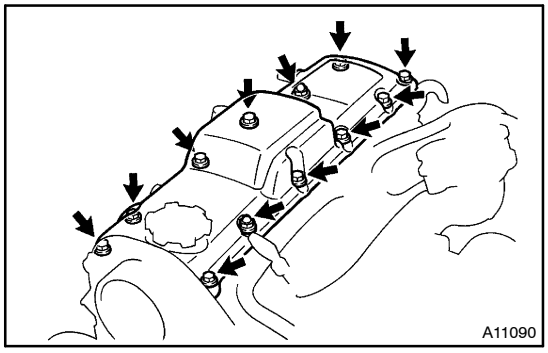


8. REMOVE INTAKE PIPE

(a) Disconnect the VSV for the No.1 and No.2 intake constrictor control connectors.
(b) Disconnect the vacuum hose from the actuator of the chamber A.
(c) Disconnect the vacuum hose from the actuator of the chamber B.
(d) Disconnect the vacuum hose from the 3–way (from vacuum pump).

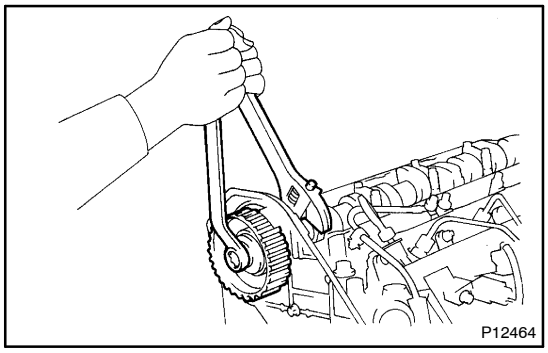


(e) Remove the 4 nuts and seal washers.
(f) Disconnect the 2 PCV hoses.
(g) Use pliers to pinch the ends of the clamp together until the lock plate engages the catch.
Make sure the lock plate and catch are engaged securely.
(h) Remove the intake pipe and gasket.



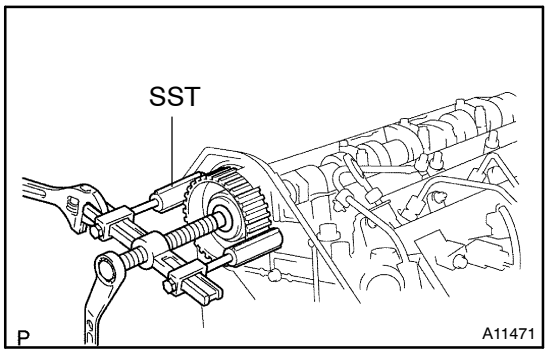
9. REMOVE CYLINDER HEAD COVER

Remove the 10 bolts, 2 nuts, cylinder head cover and gasket.



10. REMOVE NO.1 CAMSHAFT TIMING PULLEY

(a) Hold the hexagonal wrench head portion of the camshaft with a wrench, and remove the No.1 camshaft timing pulley bolt.



(b) Using SST, remove the No.1 camshaft timing pulley.
SST 09950–40011 (09951–04010, 09952–04010, 09953–04020, 09954–04010, 09955–04061)

(c) Remove the set key.