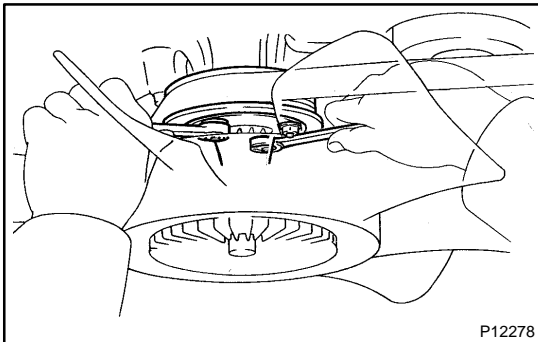


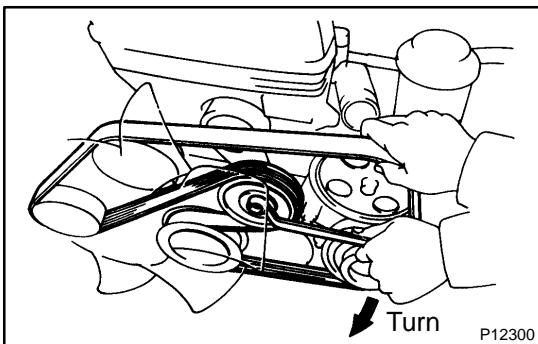
REMOVAL

1. **2JZ-GTE:**
REMOVE NO.1 AIR HOSE
2. **2JZ-GE:**
REMOVE AIR CLEANER, MAF METER AND INTAKE AIR CONNECTOR PIPE ASSEMBLY
(See page [EM-57](#))
3. **2JZ-GTE:**
REMOVE AIR CLEANER AND MAF METER ASSEMBLY (See page [EM-58](#))
4. **REMOVE RADIATOR ASSEMBLY**
(See page [CO-22](#))
5. **2JZ-GTE M/T:**
REMOVE DRIVE BELT TENSIONER DAMPER
(See page [EM-15](#))



6. **REMOVE DRIVE BELT, FAN, FLUID COUPLING ASSEMBLY AND WATER PUMP PULLEY**

- (a) Loosen the 4 nuts holding the fluid coupling to the water pump.



- (b) Loosen the drive belt tension by turning the drive belt tensioner clockwise, and remove the drive belt.
(c) Remove the 4 nuts, the fan, fluid coupling assembly and water pump pulley.

7. **REMOVE WATER INLET, LOWER RADIATOR HOSE ASSEMBLY AND THERMOSTAT**

(See page [CO-14](#))

8. **REMOVE TIMING BELT**

(2JZ-GE: See page [EM-13](#))

(2JZ-GTE: See page [EM-15](#))

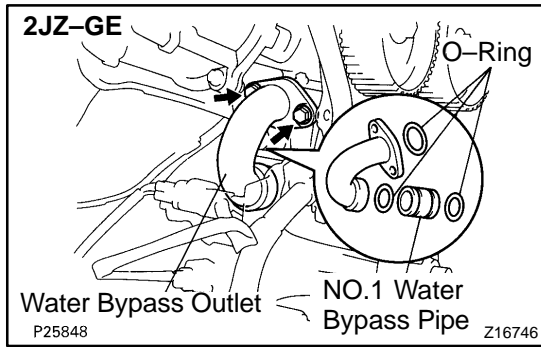
9. **REMOVE IDLER PULLEY**

(2JZ-GE: See page [EM-13](#))

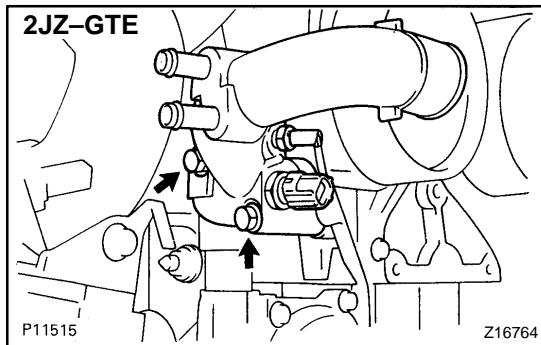
(2JZ-GTE: See page [EM-15](#))

10. **2JZ-GTE:**

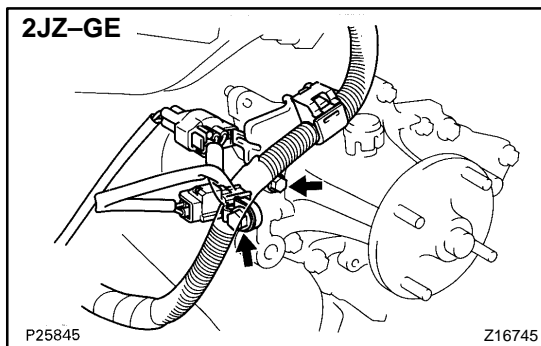
DISCONNECT TURBO WATER HOSES FROM WATER OUTLET

**11. 2JZ-GE:****REMOVE WATER BYPASS OUTLET AND NO.1 WATER BYPASS PIPE**

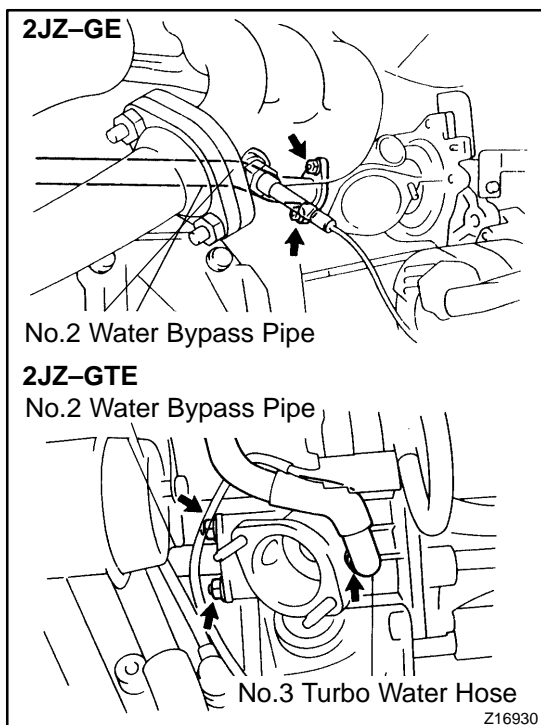
- (a) Remove the 2 bolts, water bypass outlet and No.1 water bypass pipe.
- (b) Remove the 3 O-rings from the water bypass outlet and No.1 water bypass pipe.

**12. 2JZ-GTE:****REMOVE WATER OUTLET AND NO.1 WATER BYPASS PIPE**

- (a) Disconnect the ECT sensor and sender gauge connectors.
- (b) Remove the 2 bolts, water outlet and gasket.
- (c) Remove the No.1 water bypass pipe and 2 O-rings.

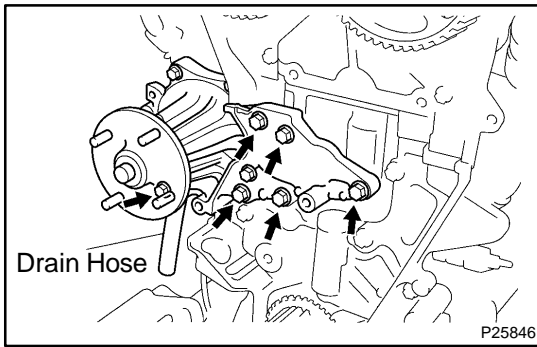
**13. REMOVE WATER PUMP**

- (a) Loosen the nut and remove the bolt, and slightly slide the generator from the water pump.
- (b) 2JZ-GE:
Remove the bolt, and disconnect the clamp bracket.
- (c) 2JZ-GE:
Remove the bolt, and disconnect the connector bracket (for crankshaft position sensor connector).



- (d) Remove the 2 nuts, and disconnect the No.2 water bypass pipe from the water pump.
- (e) 2JZ-GTE:
Disconnect the No.3 turbo water hose from the water pump.

COOLING - WATER PUMP



- (f) Remove the 6 bolts, water pump and gasket.
- (g) Remove the drain hose.
- (h) Remove the O-ring from the cylinder block.