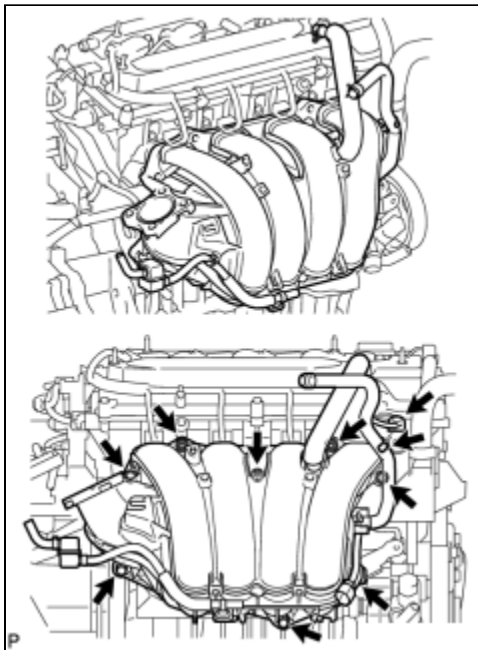


Last Modified: 2-12-2007		1.6 A
Service Category: Engine/Hybrid System	Section: Engine Mechanical	
Model Year: 2008	Model: xB	Doc ID: RM0000032Z9000X
Title: 2AZ-FE ENGINE MECHANICAL: ENGINE UNIT: REMOVAL (2008 xB)		

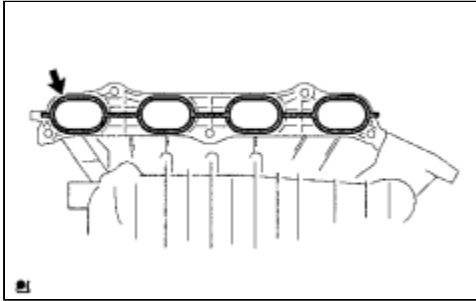
REMOVAL

1. REMOVE FUEL DELIVERY PIPE SUB-ASSEMBLY [INFO](#)
2. REMOVE FUEL INJECTOR ASSEMBLY [INFO](#)
3. DISCONNECT NO. 2 VENTILATION HOSE [INFO](#)
4. REMOVE INTAKE MANIFOLD



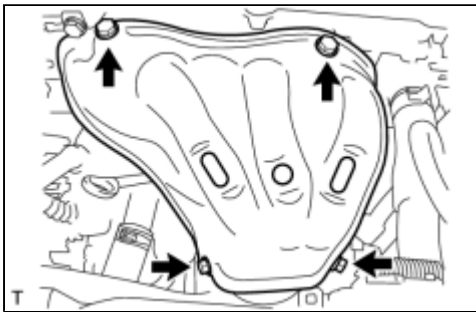
- (a) Disconnect the camshaft timing oil control valve connector.
- (b) Remove the wire harness clamp.
- (c) Remove the 5 bolts, 2 nuts and intake manifold.

- (d) Remove the gasket from the intake manifold.



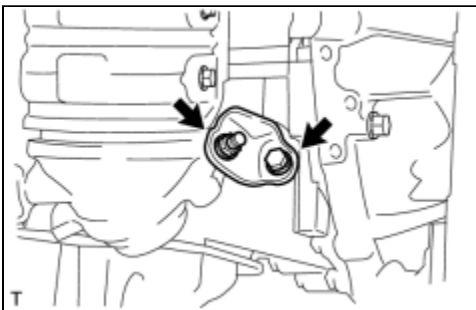
5. REMOVE NO. 1 INTAKE MANIFOLD INSULATOR INFO

6. REMOVE NO. 1 EXHAUST MANIFOLD HEAT INSULATOR



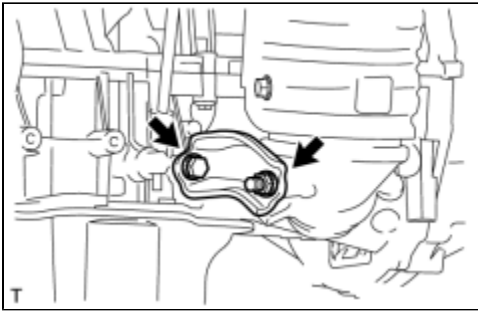
(a) Remove the 4 bolts and No. 1 exhaust manifold heat insulator.

7. REMOVE MANIFOLD STAY



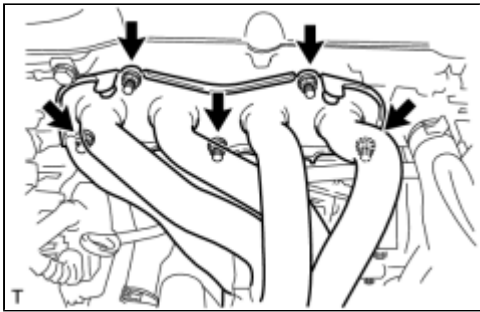
(a) Remove the bolt and nut, then remove the manifold stay.

8. REMOVE NO. 2 MANIFOLD STAY



(a) Remove the bolt and nut, then remove the No. 2 manifold stay.

9. REMOVE EXHAUST MANIFOLD CONVERTER SUB-ASSEMBLY



(a) Remove the 5 nuts and exhaust manifold converter.

(b) Remove the gasket.

10. REMOVE INLET WATER INFO

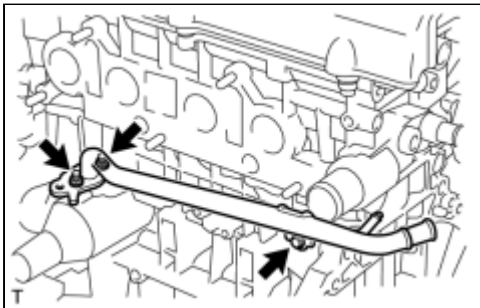
11. REMOVE THERMOSTAT

12. REMOVE TRANSVERSE ENGINE ENGINE MOUNTING BRACKET INFO

13. REMOVE OIL DIPSTICK

14. REMOVE OIL DIPSTICK GUIDE INFO

15. REMOVE NO. 1 WATER BY-PASS PIPE



(a) Remove the bolt and 2 nuts, then remove the No. 1 water by-pass pipe.

(b) Remove the gasket.

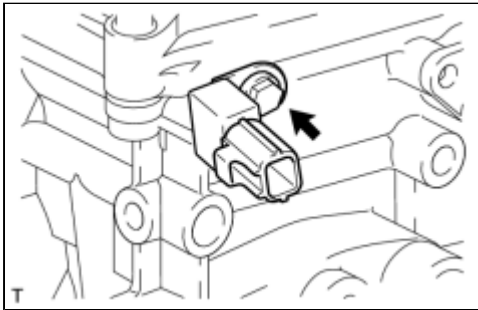
16. REMOVE IGNITION COIL ASSEMBLY INFO

17. REMOVE KNOCK SENSOR INFO

18. REMOVE OIL PRESSURE SWITCH INFO

19. REMOVE ENGINE COOLANT TEMPERATURE SENSOR INFO

20. REMOVE RADIO SETTING CONDENSER



(a) Remove the bolt and radio setting condenser.

