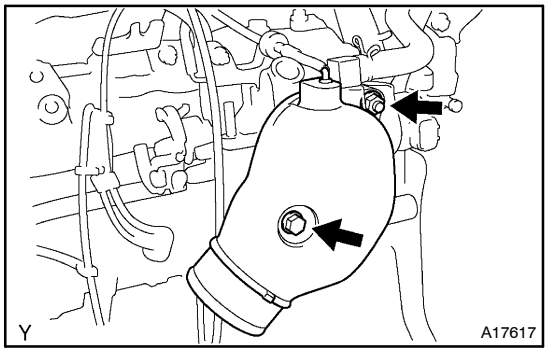
EM1UD–01

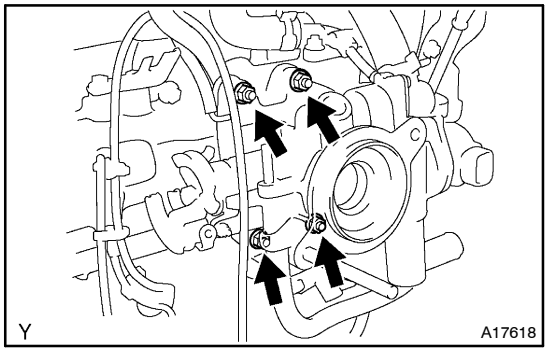
REMOVAL

1. DRAIN ENGINE COOLANT
2. DISCONNECT PCV HOSES FROM CYLINDER HEAD COVER
3. DISCONNECT VACUUM HOSE FROM TURBO PRESSURE SENSOR
4. DISCONNECT VACUUM HOSE FROM DISTRIBUTOR FILTER
5. DISCONNECT HIGH–TENSION CORDS FROM SPARK PLUGS
6. REMOVE SPARK PLUGS (See page IG–1)



7. REMOVE INTAKE AIR CONNECTOR

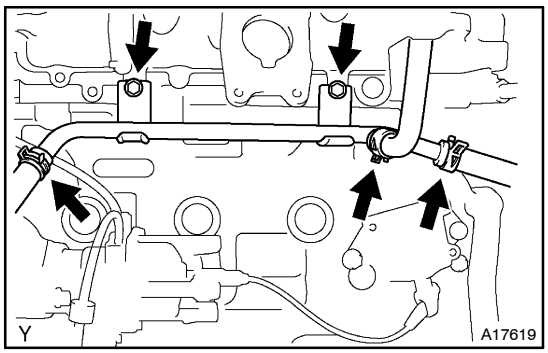
Remove the nut, bolt, intake air connector and gasket.



8. REMOVE CARBURETOR ASSEMBLY

(a) Disconnect the auxiliary air valve hose No. 1 from the ISC valve.

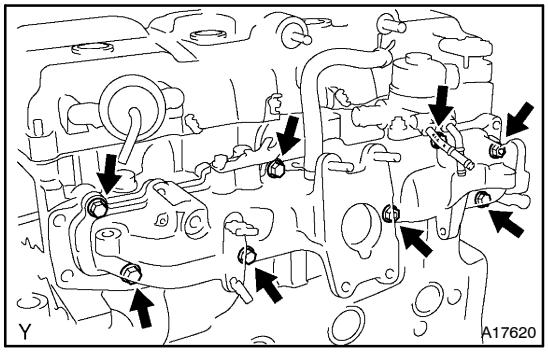
(b) Remove the 2 nuts, 2 bolts, carburetor assembly and gasket.



9. REMOVE WATER BY–PASS PIPE

(a) Disconnect the 3 water hoses from the water by–pass pipe.

(b) Remove the nut, bolt and water by–pass pipe from the intake manifold.



10. REMOVE INTAKE MANIFOLD

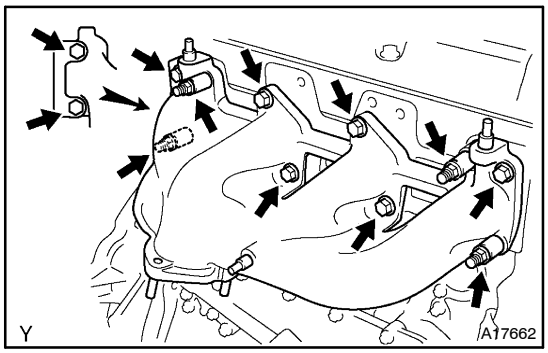
(a) Disconnect the water by–pass hose No. 3 and No. 4 from the ISC valve.

(b) Remove the 2 nuts, 7 bolts, intake manifold assembly and gasket from the cylinder head.

11. REMOVE WATER OUTLET ASSEMBLY

(a) Remove the 2 nuts holding the water outlet housing to the cylinder head.

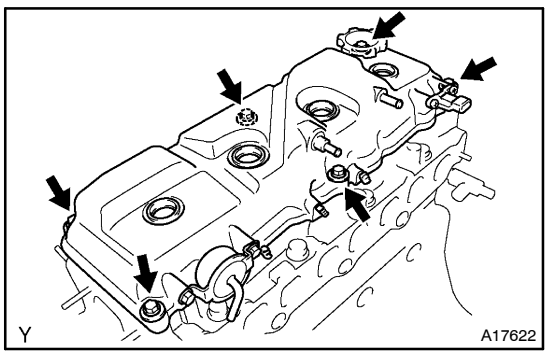
(b) Disconnect the water bypass hose form the water pump, and remove the water outlet assembly.



12. REMOVE EXHAUST MANIFOLD

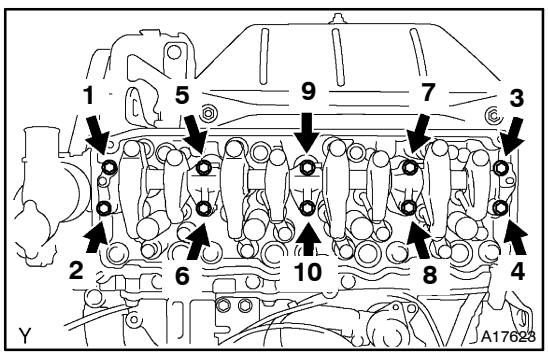
(a) Remove the 3 nuts, 6 plate washers, heat insulator and 6 spacers.

(b) Remove the 6 bolts, 4 nuts, exhaust manifold, No.2 heat insulator and gasket.



13. REMOVE CYLINDER HEAD COVER

Remove the 4 bolts, 2 nuts, 6 cushions, cylinder head cover and gasket.



14. REMOVE VALVE ROCKER SHAFT ASSEMBLY

(a) Loosen the lock nuts and adjusting screws.

(b) Uniformly loosen and remove the 10 bolts, in several passes, in the sequence shown.

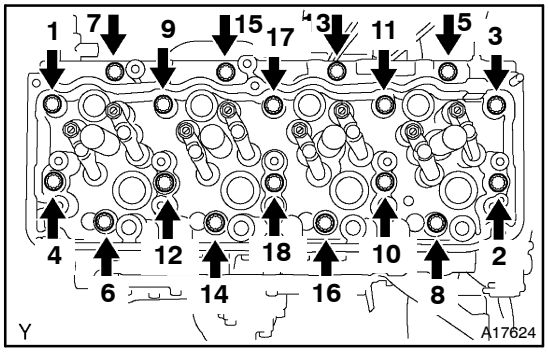
(c) Remove the rocker shaft assembly.

15. REMOVE PUSH RODS

Remove the 8 push rods in order, beginning from the No.1 push rod.

HINT:

Arrange the push rods in correct order.

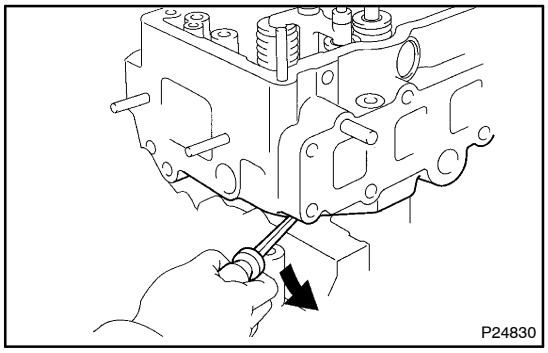


16. REMOVE CYLINDER HEAD ASSEMBLY

(a) Uniformly loosen and remove the 18 cylinder head bolts, in several passes, in the sequence shown.

NOTICE:

Head warpage or cracking could result from removing bolts in incorrect order.



(b) Lift the cylinder head from the dowels on the cylinder block, and place the cylinder head on wooden blocks on a bench.

HINT:

If the cylinder head is difficult to lift off, pry with a screwdriver between the cylinder head and block.

NOTICE:

Be careful not to damage the contact surfaces of the cylinder head and cylinder block.