

DAIHATSU
TYPE CB
ENGINE

[CB-23, CB-61 & CB-80]

5

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ENGINE MECHANICALS

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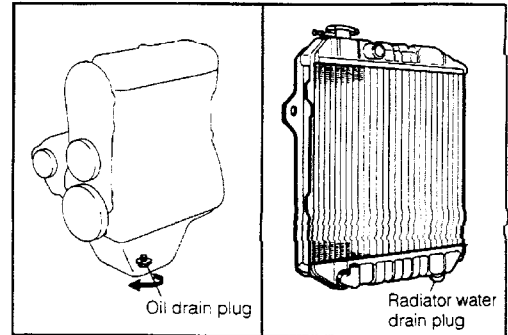
WM-05001

ENGINE MECHANICALS

REMOVAL AND INSTALLATION OF ENGINE

REMOVAL

1. Drain the engine oil and cooling water.



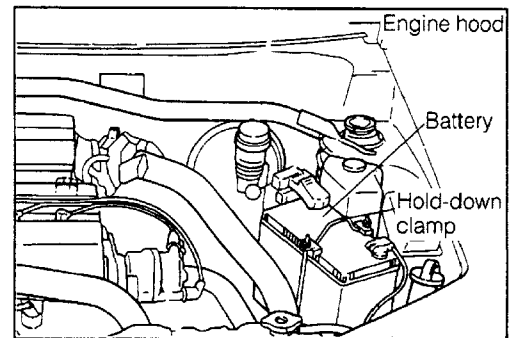
2. Remove the engine hood.

NOTE:

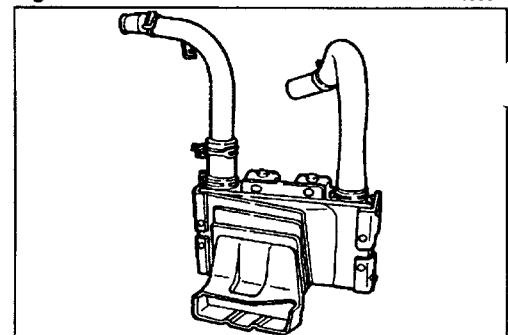
This operation must be performed by at least two persons. Since the engine hood is quite heavy, be very careful not to scratch the body and hood.

WM-05003

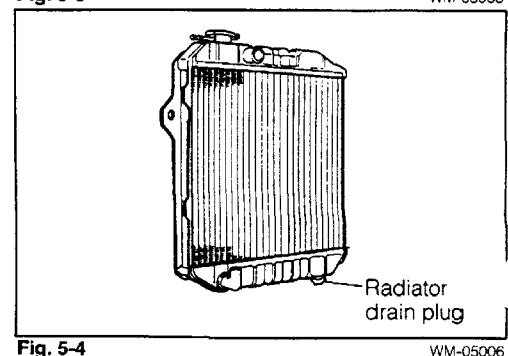
3. Disconnect the negative \ominus terminal of the battery. Detach the hold-down clamp and remove the battery.
4. Remove the battery carrier stay.



5. Remove the intercooler assembly. (CB-80 engine only)



6. Remove the radiator.
7. Remove the air cleaner assembly.
8. Remove the blow-by hose. (CB-61 engine only)



ENGINE MECHANICALS

9. Disconnect the speedometer cable.

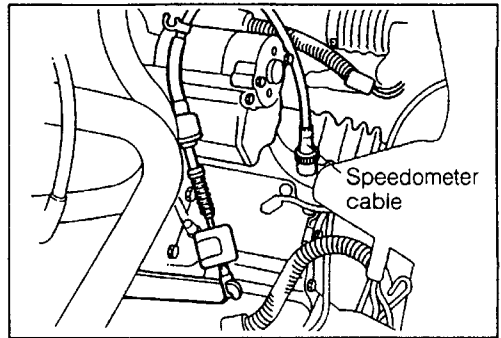


Fig. 5-5

WM-05007

10. Disconnect the clutch cable.

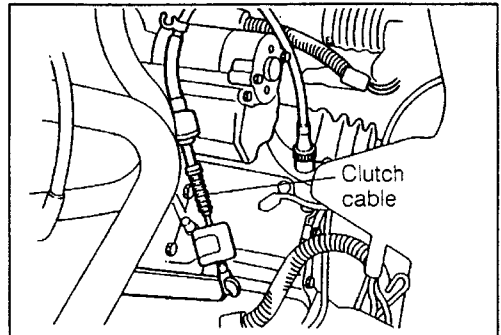


Fig. 5-6

WM-05008

11. Disconnect the accelerator cable assembly.

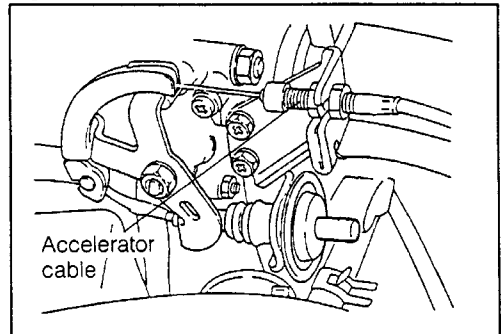


Fig. 5-7

WM-05009

12. Disconnect the brake booster hose.
13. Disconnect the heater hose.

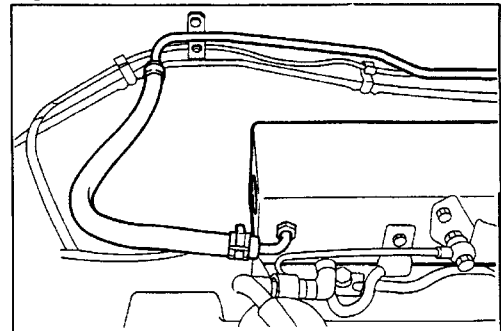


Fig. 5-8

WM-05010

14. Disconnect the hose of the turbocharger waste gate valve.
(CB-80 engine only)

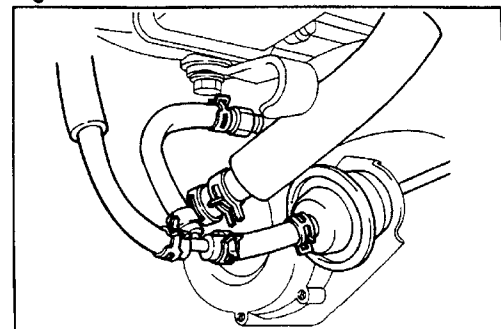


Fig. 5-9

WM-05011

ENGINE MECHANICALS

15. Disconnect the fuel pipe.

- 1) Disconnect the fuel hose between the fuel filter and the delivery pipe. (CB-80 engine only)

SST: 09258-00030-000

NOTE:

Even when the engine is stopped, a fuel pressure of about 2.55 kg/cm² (36.3 psi) is applied to the fuel line. Hence, be sure to prevent the fuel from splashing, using a cloth or the like.

- 2) Disconnect the fuel return hose between the delivery pipe and the fuel tank. (CB-80 engine only)

NOTE:

When disconnecting the hose, be sure to prevent the fuel from splashing, using a cloth.

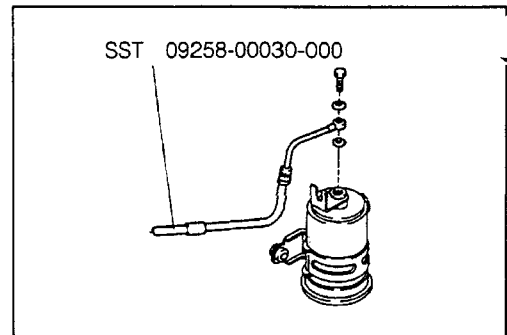


Fig. 5-10

WM-05012

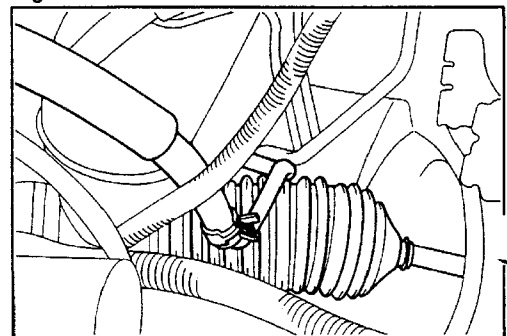


Fig. 5-11

WM-05013

16. Disconnect the wire harness connector.

NOTE:

- ① The following explanation and illustrations for disconnecting the wire harness connector pertains to Type CB-80 engine. For Type CB-23 and CB-61 engines, refer to the following sections before starting the operation.
- ② Care must be exercised as to the removal method of the connector. Some connectors can be removed by pulling the lock section, while others can be removed by pushing the lock section.

[CB-23]

While the engine proper is still mounted on the vehicle, disconnect each connector of the switches and sensors. Make sure that the wire harnesses are left at the vehicle side when the engine proper is removed.

WM-05014

[CB-61]

Disconnect the connector between the cowl wire harness and the engine wire harness, as indicated in the right figure. After the engine has been removed, disconnect each connector of the switches and sensors at the engine proper.

NOTE:

When removing the engine, perform final check to ensure that all connectors have been disconnected.

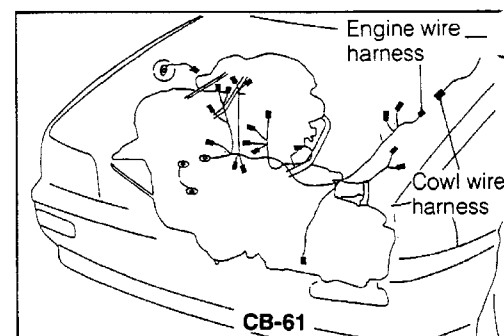


Fig. 5-12

WM-05015

7. Disconnect the distributor-related harness couplers. (CB-80 engine only)
 - 1) Injector time switch
 - 2) Water temperature sensor
 - 3) Fan motor switch
 - 4) Thermostat sender unit
 - 5) Distributor connector
 - 6) Ignition coil resistive cord

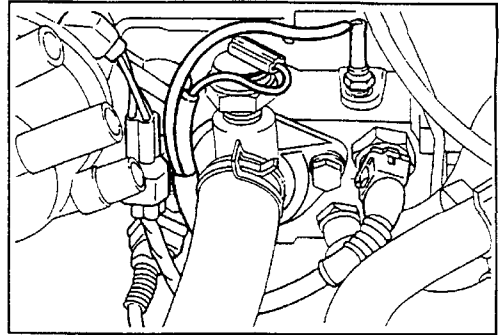


Fig. 5-13

WM-05016

18. Disconnect the surge tank-related harness couplers. (CB-80 engine only)
 - 1) Cold start injector
 - 2) Coupler of each injector

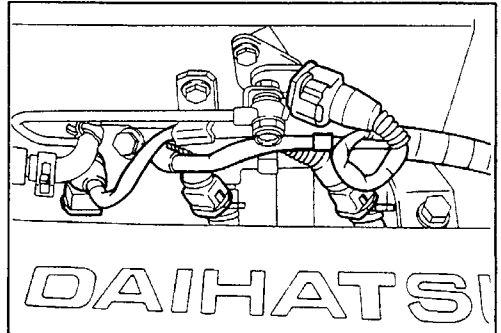


Fig. 5-14

WM-05017

19. Disconnect the transmission-related harness couplers. (CB-80 engine only)
 - 1) Starter harness
 - 2) Transmission earth
 - 3) Backup lamp harness
20. Remove the surge tank cover. (CB-80 engine only)

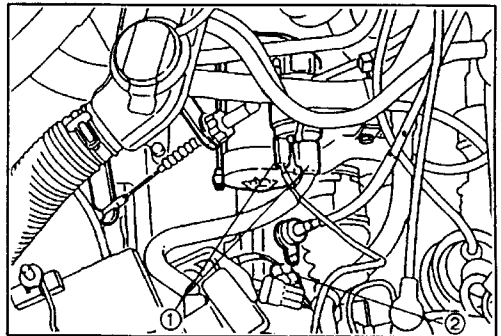


Fig. 5-15

WM-05018

21. Disconnect the engine-related harness couplers. (CB-80 engine only)
 - 1) Throttle sensor
 - 2) Pressure sensor
 - 3) Variable resistor
 - 4) Intake air temperature sensor
 - 5) Earth
 - 6) Oil pressure switch
 - 7) Alternator connector

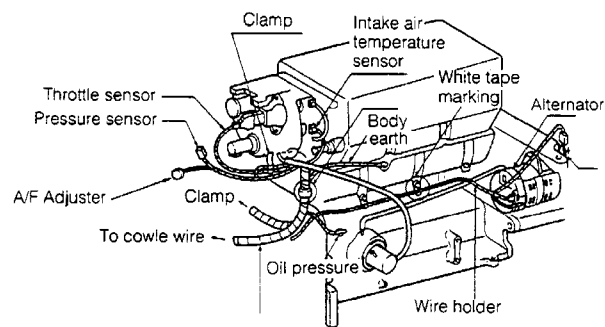


Fig. 5-16

WM-05019

ENGINE MECHANICALS

22. Jack up the vehicle. Support the vehicle with safety stands. Remove the wheels.

NOTE:

For the supporting points, see the section under "GENERAL INFORMATION."

23. Drain the transmission oil.

WM-05020

24. Disconnect the shift & selector shaft subassembly.

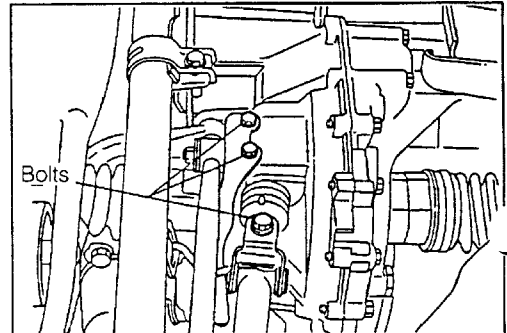


Fig. 5-17

WM-05021

25. Disconnect the exhaust front pipe. Remove it from the manifold.

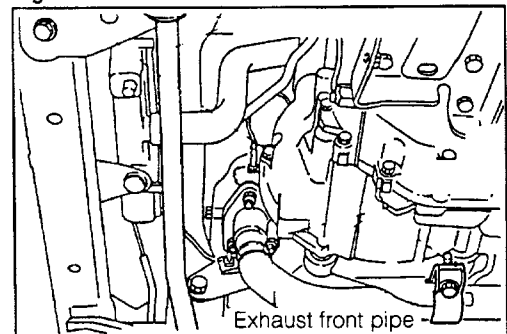


Fig. 5-18

WM-05022

26. Remove the stabilizer bar.

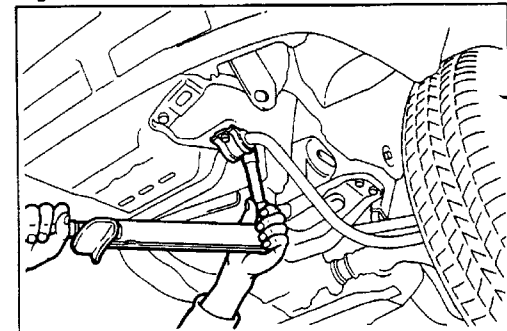


Fig. 5-19

WM-05023

27. Remove the lower suspension brace. (CB-61 and CB-80 engines only)

28. Disconnect the suspension lower arm subassembly.

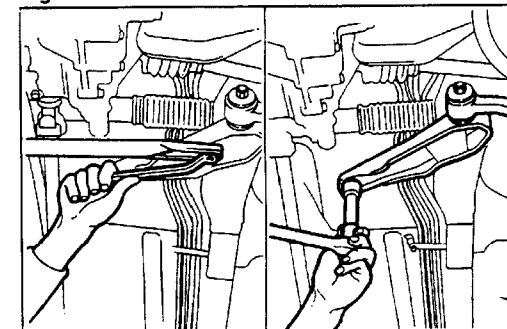


Fig. 5-20

WM-05024