

**DAIHATSU**  
**TYPE CB**  
**ENGINE**

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

**SECTION 11**  
**INTAKE SYSTEM**

AIR CLEANER .....	11-2
SURGE TANK [CB-61 Engine] .....	11-6
INTERCOOLER [CB-80 Engine] .....	11-7

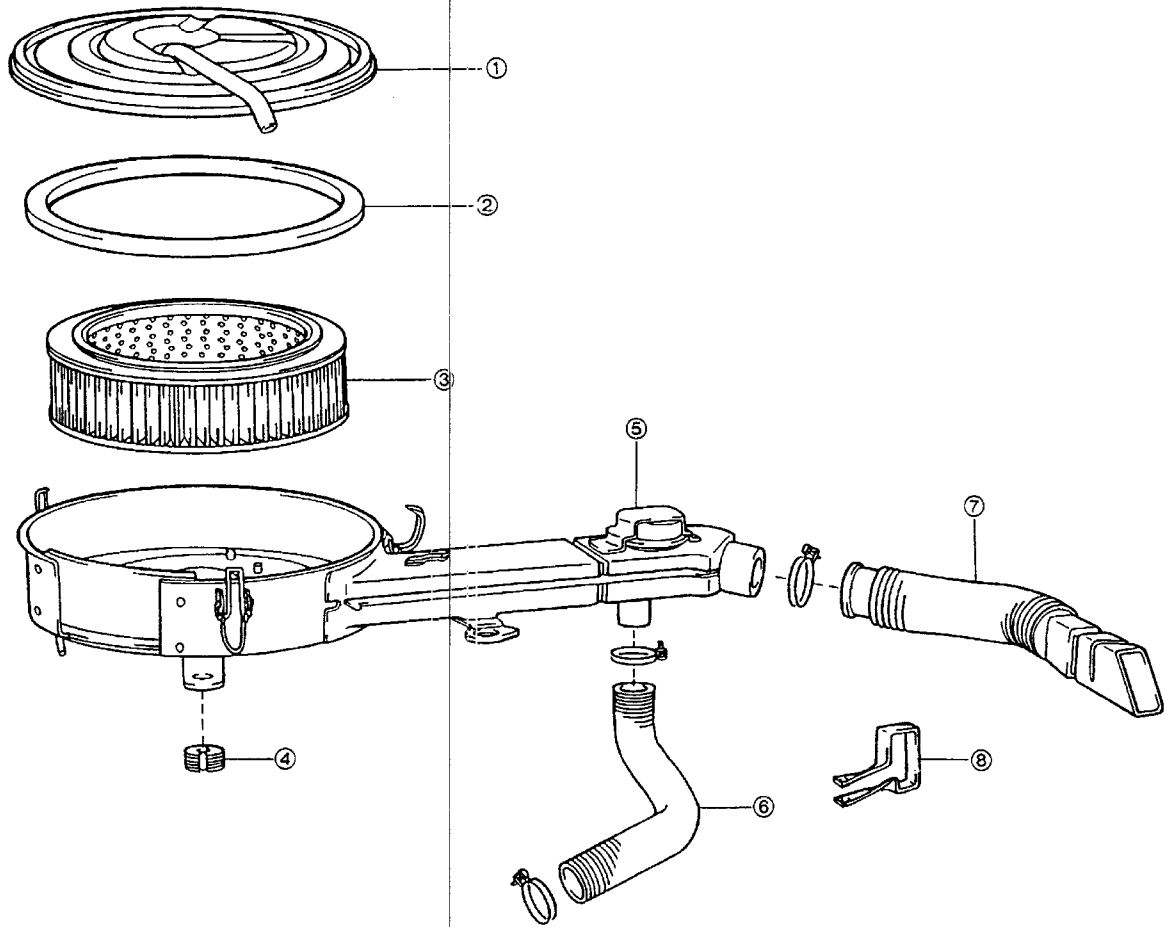
WM-11001

**11**

# INTAKE SYSTEM

## AIR CLEANER

### COMPONENTS OF AIR CLEANER [CB-23 Engine]

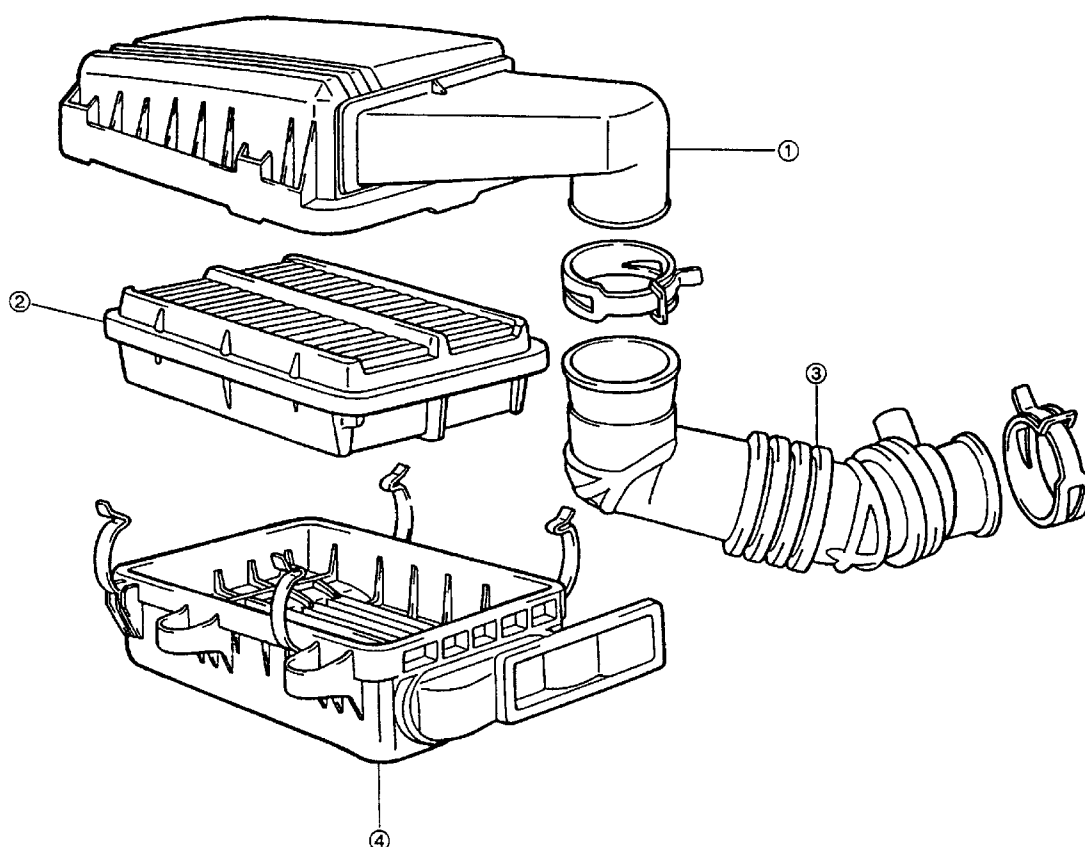


- ① Air cleaner cap
- ② Gasket
- ③ Air cleaner filter element
- ④ Grommet
- ⑤ Air cleaner case
- ⑥ Hot air intake duct
- ⑦ Air cleaner hose No. 1
- ⑧ Clamp

Fig. 11-1

WM-11002

[CB-61 & CB-80 Engines]



- ① Air cleaner cap
- ② Air cleaner filter element
- ③ Air cleaner hose No.1
- ④ Air cleaner case

Fig. 11-2

WM-11003

## INTAKE SYSTEM

### INSPECTION

1. Check the air cleaner cap and case for deformation or damage. Replace or repair any defective parts.
2. Check the air cleaner element. If it is excessively dirty, clogged or damaged, clean or replace the element.  
Element cleaning intervals: 10,000 km (6,000 mile)  
Element replacement intervals:  
40,000 km (24,000 mile)

#### NOTE:

If the vehicle is operated in dusty area, the cleaning or replacement of the element must be made at earlier time than the intervals above.

### Cool Air/Hot Air Switching Adjustment System Check [CB-23 Engine]

1. Check the vacuum motor.  
Ensure that the air control valve opens fully when a negative pressure of  $-180$  mmHg is applied by means of a MityVac.  
If the air control valve is malfunctioning, replace the air cleaner case.
2. Check the hoses and connections.  
Visually inspect the hoses and connections for cracks, leakage or damage.

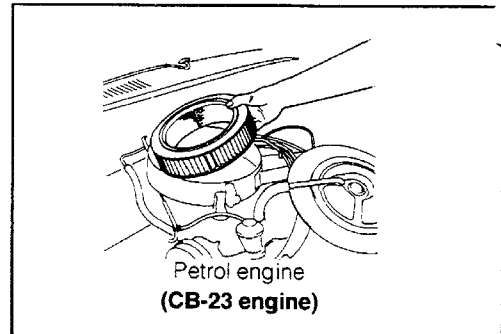


Fig. 11-3

WM-11004

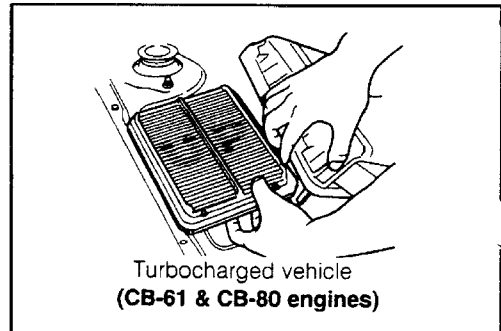


Fig. 11-4

WM-11005

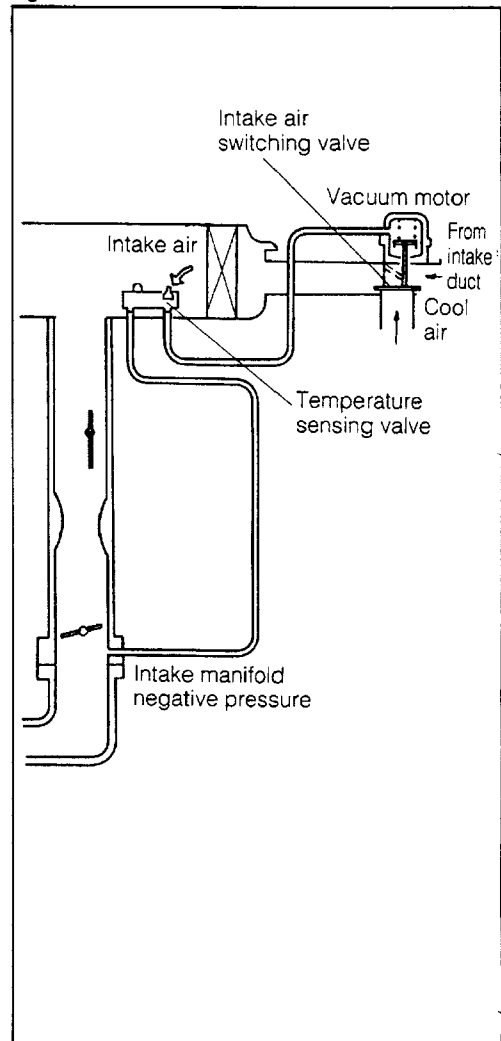


Fig. 11-5

WM-11006

## INTAKE SYSTEM

Checking of operation of temperature sensing valve

- (1) Detach the air cleaner cap.
- (2) Cool the temperature sensing valve by cold air.
- (3) Ensure that the air control valve opens fully under this setting.

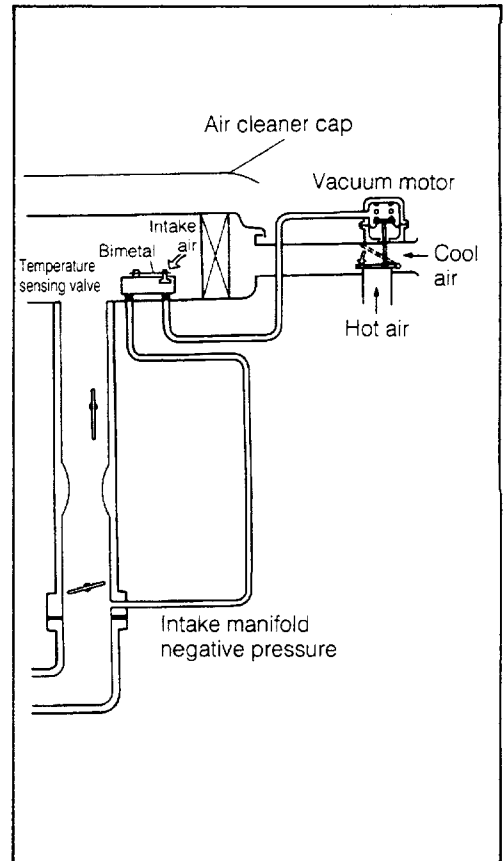


Fig. 11-6

WM-11007

- (4) Install the air cleaner cap.
- (5) Start the engine. Run the engine at the idling speed.
- (6) When the temperature inside the air cleaner case rises above about 30°C, ensure that the air control valve is opened fully.

If the air control valve fails to open fully despite the temperature rise, replace the air cleaner case.

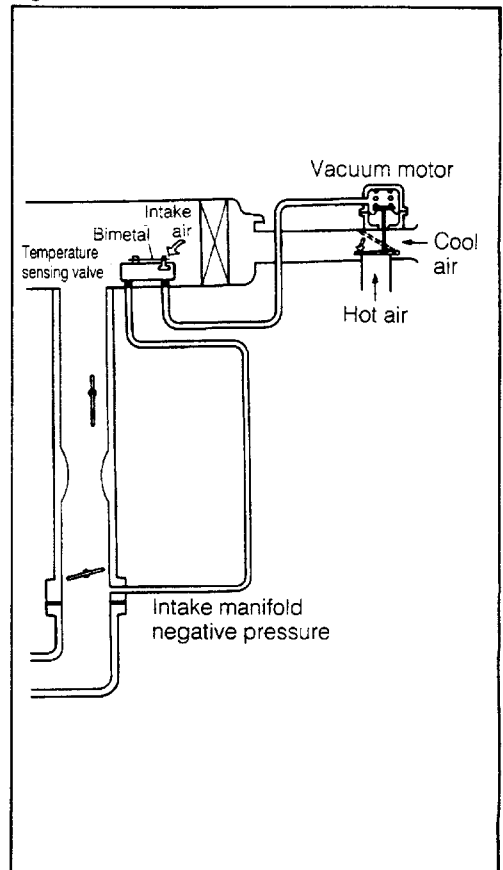


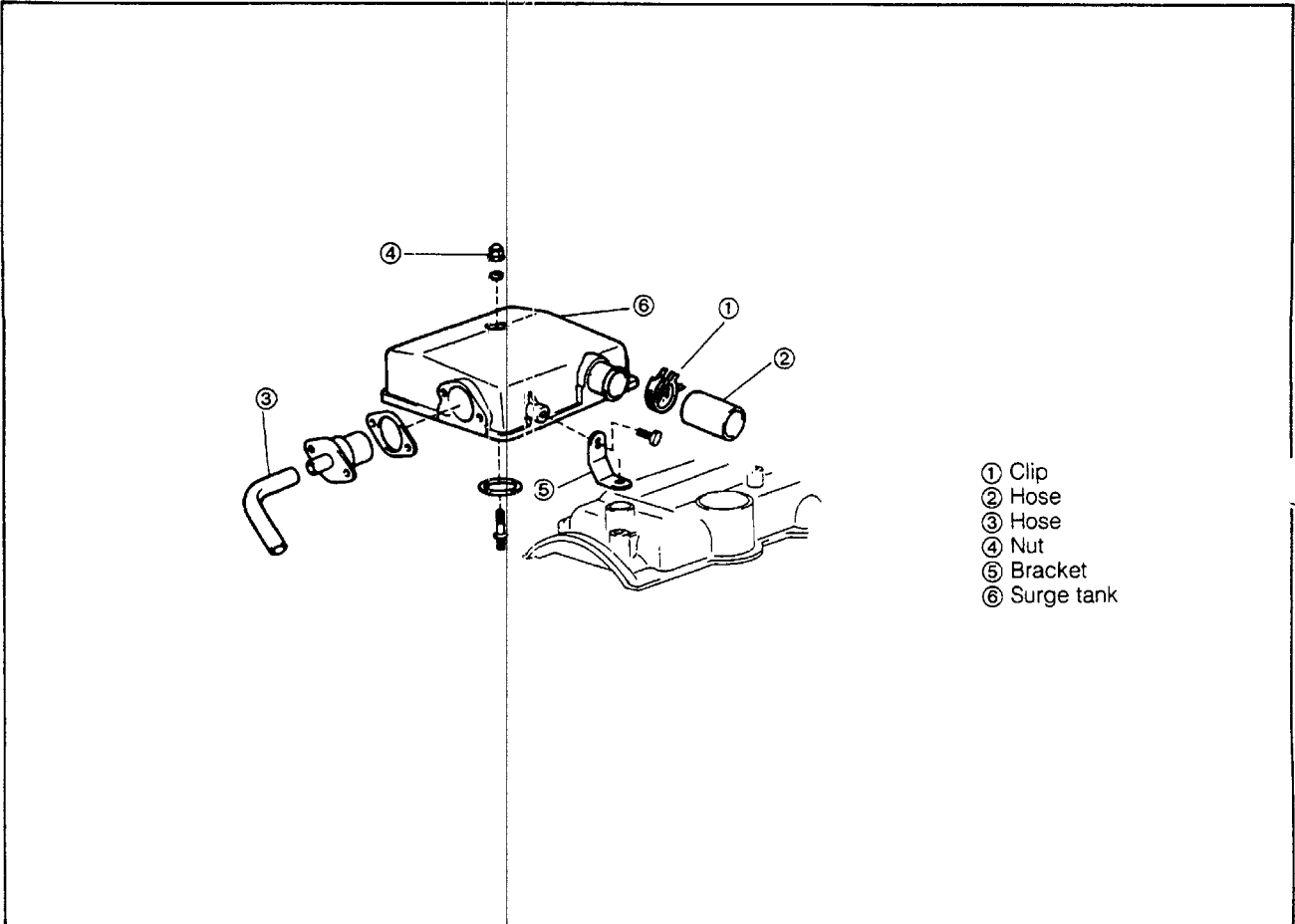
Fig. 11-7

WM-11008

# INTAKE SYSTEM

## SURGE TANK

### COMPONENTS OF SURGE TANK [CB-61 Engine]



- ① Clip
- ② Hose
- ③ Hose
- ④ Nut
- ⑤ Bracket
- ⑥ Surge tank

Fig. 11-8

WM-11009

### INSPECTION

1. Check to see if the surge tank exhibits any sign of cracks or damage.
2. Disconnect the relief valve hose and blow your breath into the surge tank. There should be no air continuity.

### 3. Turbocharger Indicator Lamp

#### Inspection

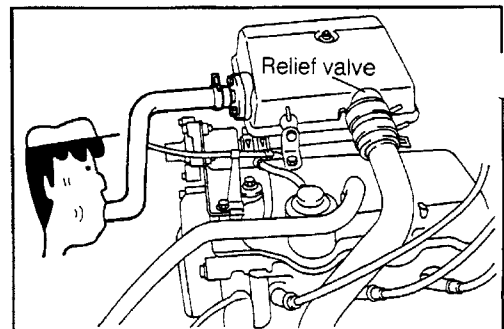
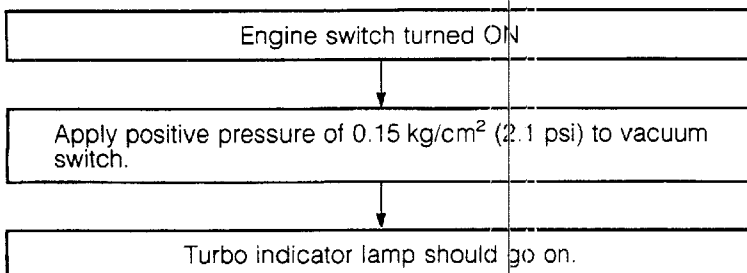


Fig. 11-9

WM-11010

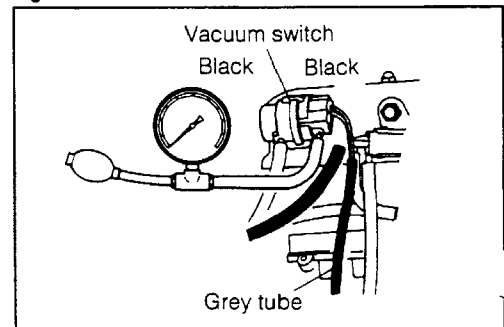
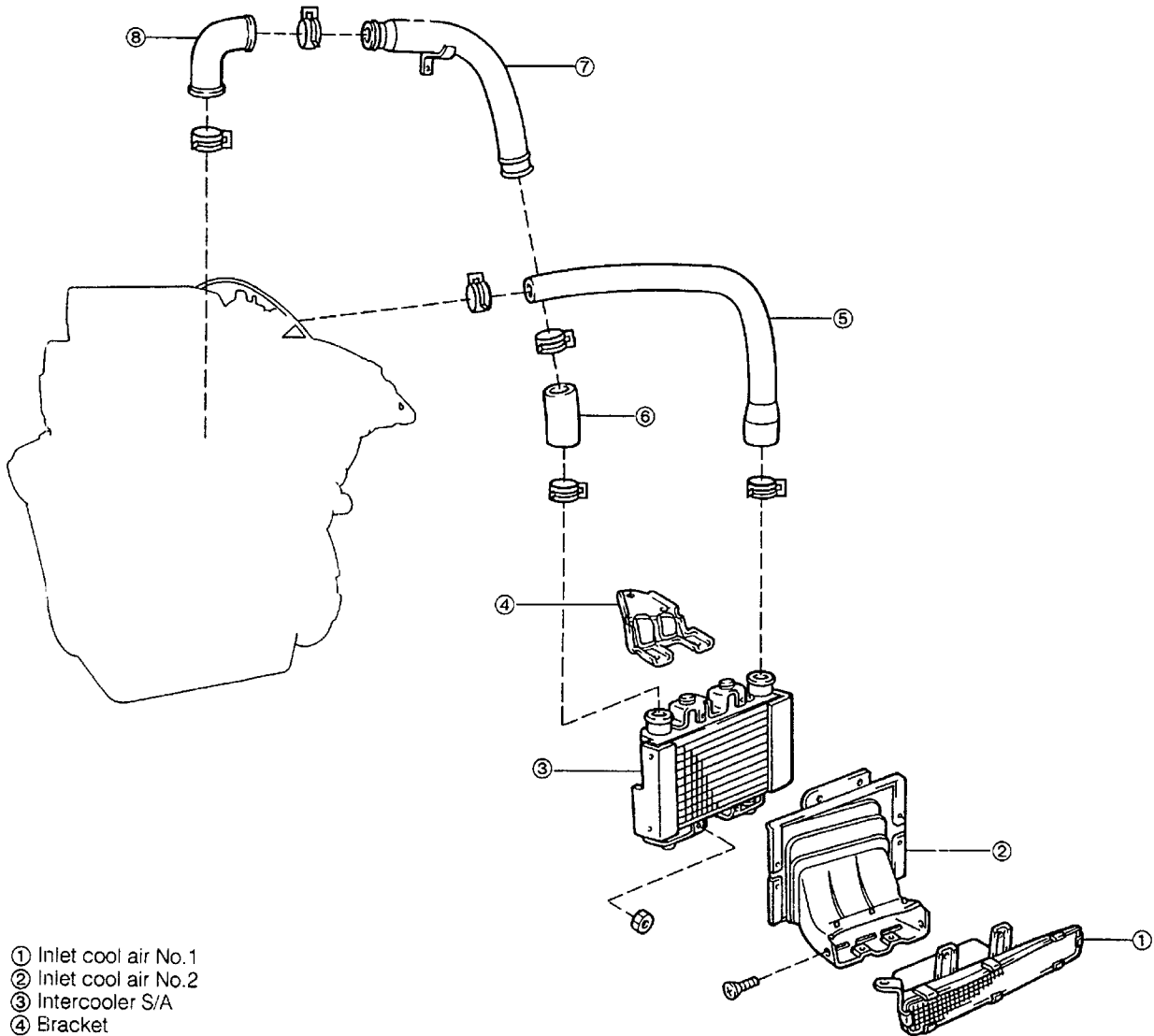


Fig. 11-10

WM-11011

INTERCOOLER

COMPONENTS OF INTERCOOLER [CB-80 Engine]



- ① Inlet cool air No.1
- ② Inlet cool air No.2
- ③ Intercooler S/A
- ④ Bracket
- ⑤ Hose
- ⑥ Hose
- ⑦ Intake pipe
- ⑧ Hose

Fig. 11-11

WM-11012

## INTAKE SYSTEM

### INSPECTION

1. Check the core section of the intercooler for restriction.
2. Check the core section of the intercooler for damage.

3. Check the intercooler for air leakage.  
Tightly seal the intake and discharge ports of the intercooler, using sealing tape or the like. Submerge the intercooler into the water in a water tank. This water should be heated in advance up to about 50°C.  
Check to see if the intercooler exhibits air leakage.  
Replace the intercooler if it exhibits air leakage.

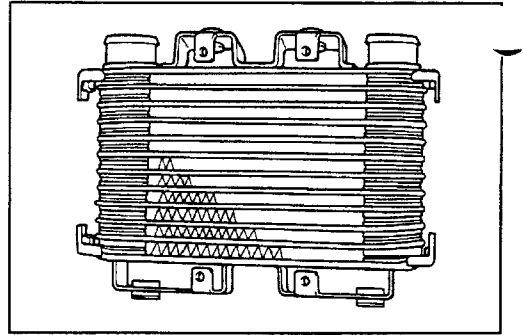


Fig. 11-12

WM-11013

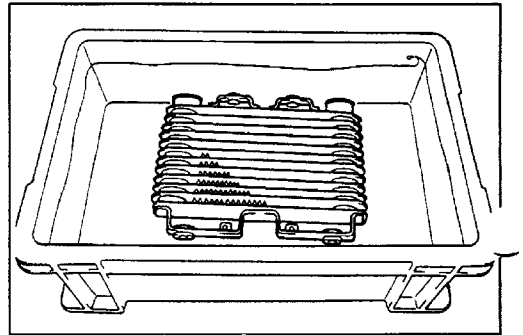


Fig. 11-13

WM-11014