

# FUEL SYSTEM

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# FUEL PUMP

## DISASSEMBLY

Disassemble the parts in the numerical order shown in the figure.

Fig. 8-1

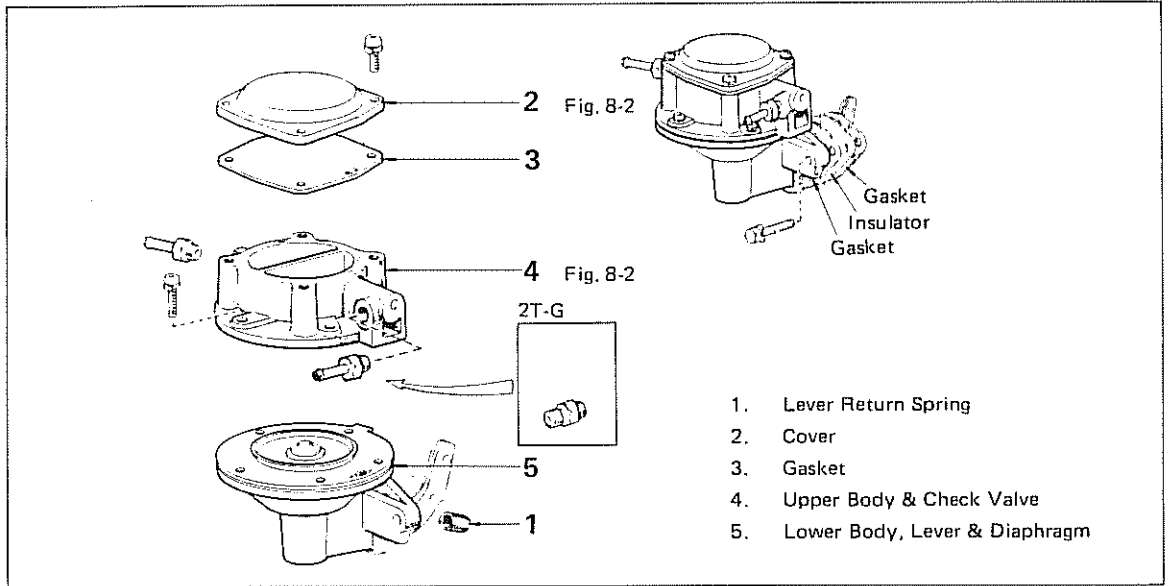
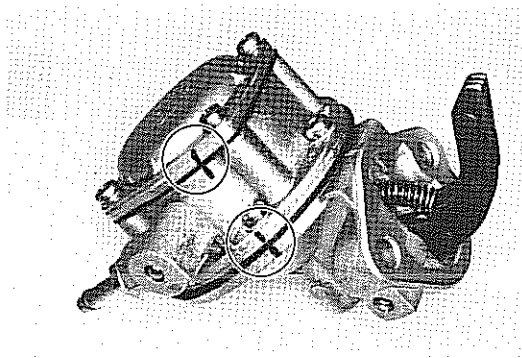
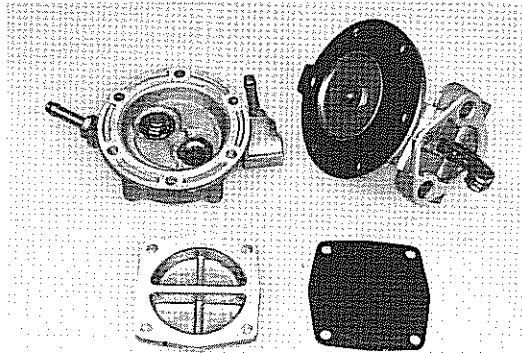


Fig. 8-2



Mark the position of the pump cover and upper body.

Fig. 8-3



## INSPECTION



Inspect the diaphragms for tear and check valves for defective operation. Replace if damaged.

**ASSEMBLY**

Assemble the parts in the numerical order shown in the figure.

Fig. 8-4

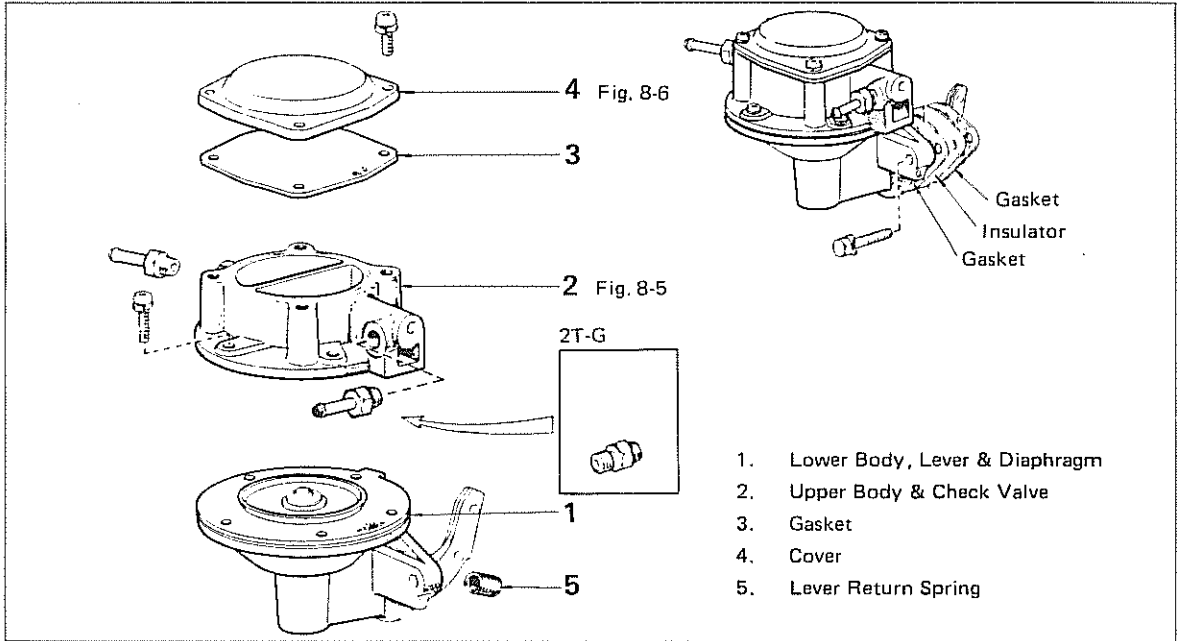
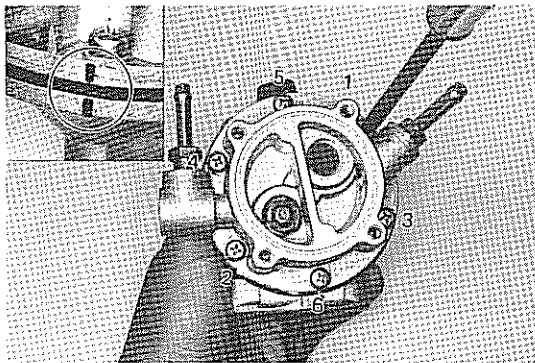
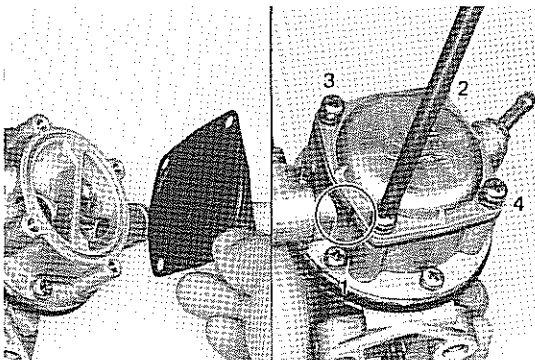


Fig. 8-5



Assemble the lower and upper body in the direction shown in the figure.

Fig. 8-6

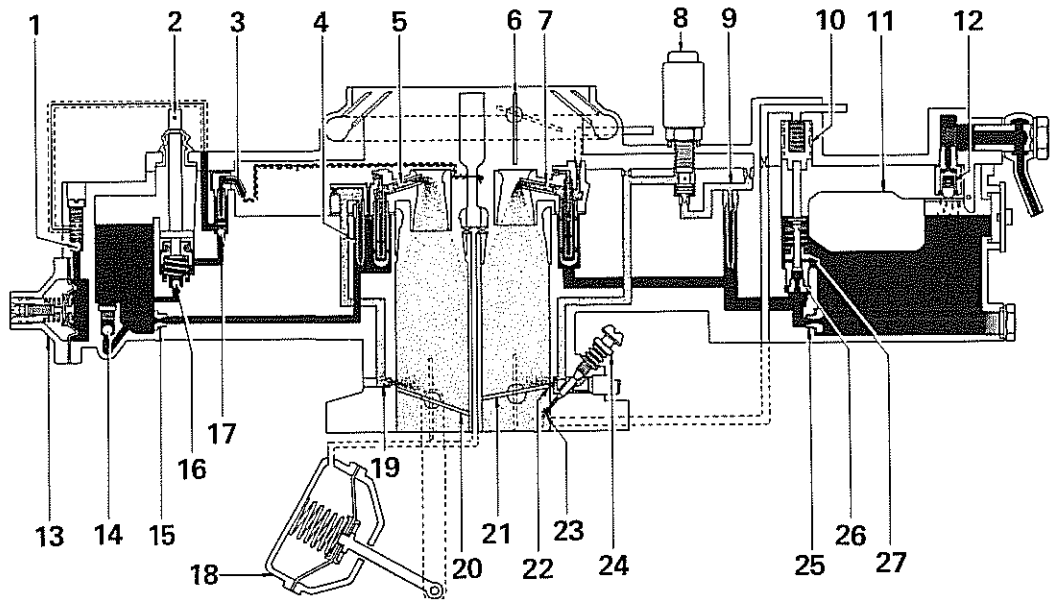


Assemble the upper body and cover over the diaphragm. Inlet and outlet chamber separating walls should be aligned.

# CARBURETOR

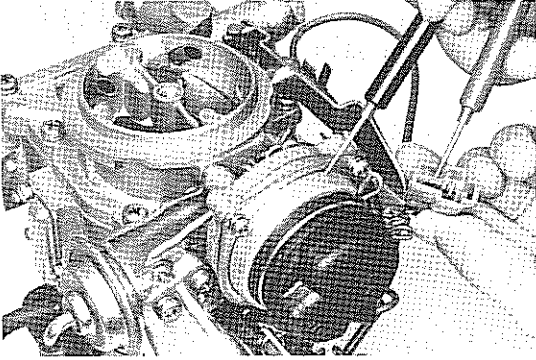
## CARBURETOR CIRCUIT

Fig. 8-7



- |                            |                                     |
|----------------------------|-------------------------------------|
| 1. AAP Outlet Check Valve  | 15. Second Main Jet                 |
| 2. Pump Plunger            | 16. Pump Inlet Valve                |
| 3. Pump Jet                | 17. Pump Outlet Valve               |
| 4. Second Slow Jet         | 18. Second Throttle Valve Diaphragm |
| 5. Second Main Jet         | 19. Second Slow Port                |
| 6. Choke Valve             | 20. Second Throttle Valve           |
| 7. First Main Jet          | 21. First Throttle Valve            |
| 8. Fuel Cut Solenoid Valve | 22. First Slow Port                 |
| 9. First Slow Jet          | 23. Idle Port                       |
| 10. Power Piston           | 24. Idle Mixture Adjusting Screw    |
| 11. Float                  | 25. First Main Jet                  |
| 12. Needle Valve           | 26. Power Jet                       |
| 13. AAP Diaphragm          | 27. Power Valve                     |
| 14. AAP Inlet Check Valve  |                                     |

Fig. 8-8



## DISASSEMBLY

## Air Horn

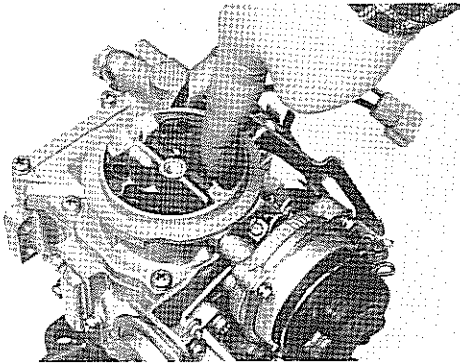
Before disassembling, check following items.

1. Measure the heating coil resistance with an ohmmeter.

**Resistance: 7.5 – 10.0  $\Omega$**

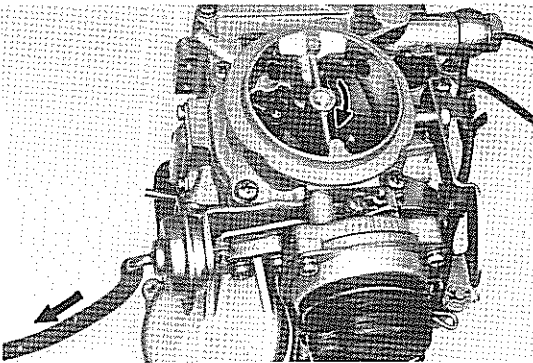


Fig. 8-9



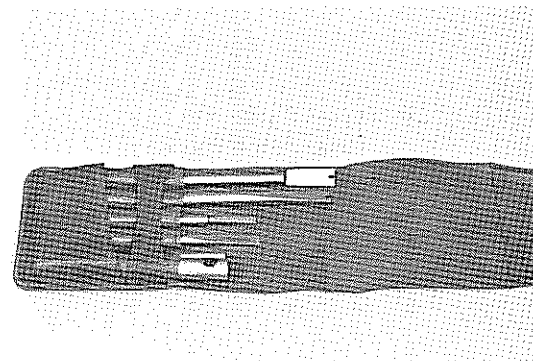
2. Check the choke valve action.

Fig. 8-10



3. Check the choke breaker diaphragm action.  
Automatic choke.

Fig. 8-11



Use SST for carburetor servicing.  
SST [09860-11011]

Disassemble the parts in the numerical order shown in the figure.

Fig. 8-12

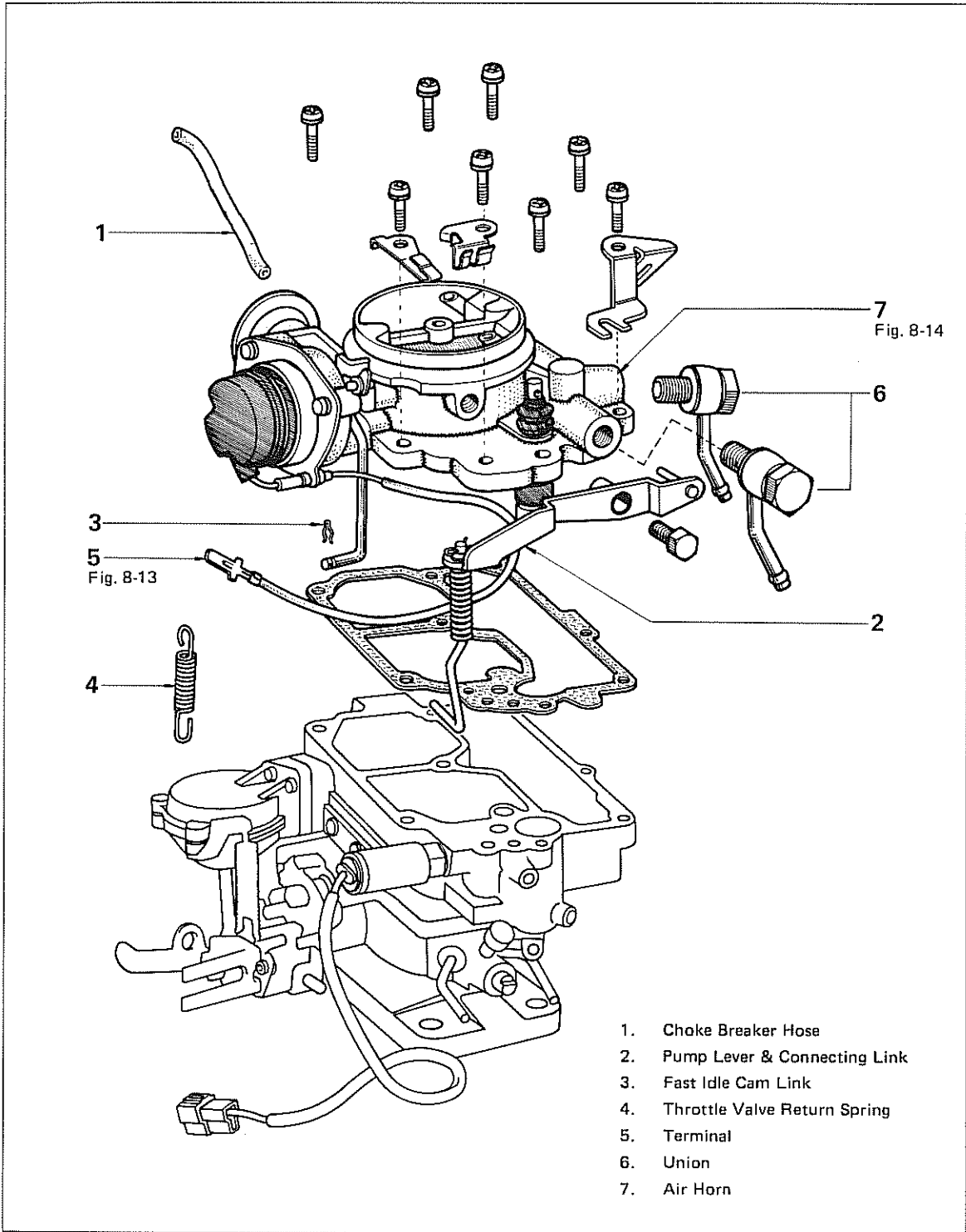
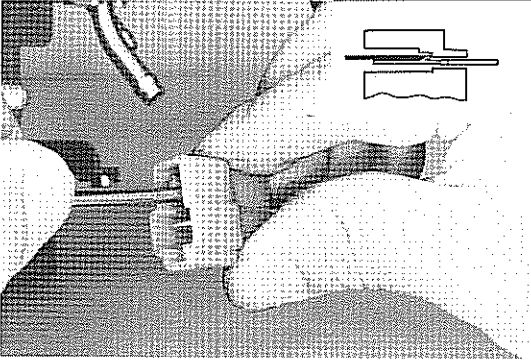
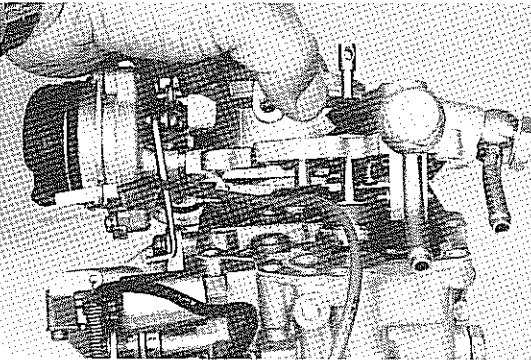


Fig. 8-13



Remove the terminal from the connector.

Fig. 8-14



Lift out the air horn.

**Float**

Disassemble the parts in the numerical order shown in the figure.

Fig. 8-15

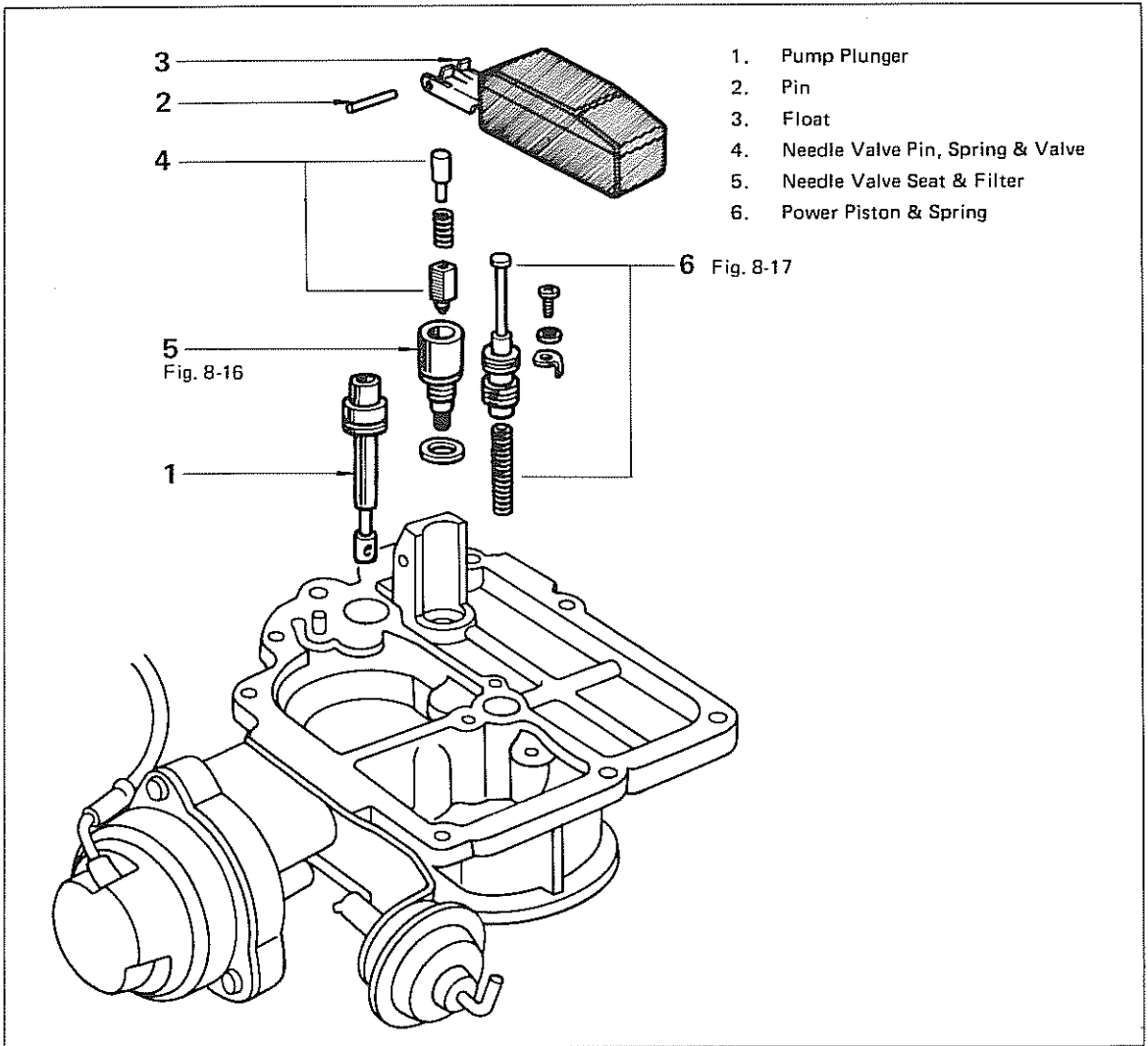
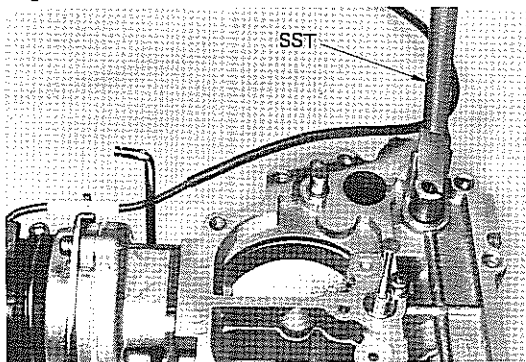


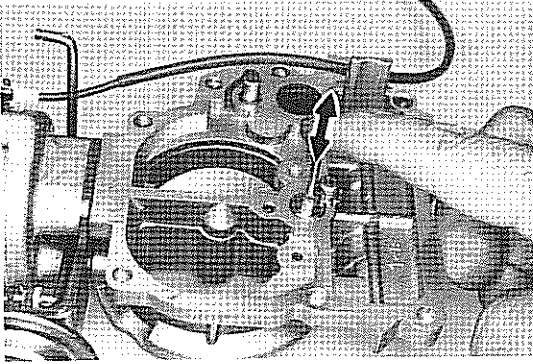
Fig. 8-16



Remove the needle valve seat with SST.  
 SST[09860-11011]



Fig. 8-17

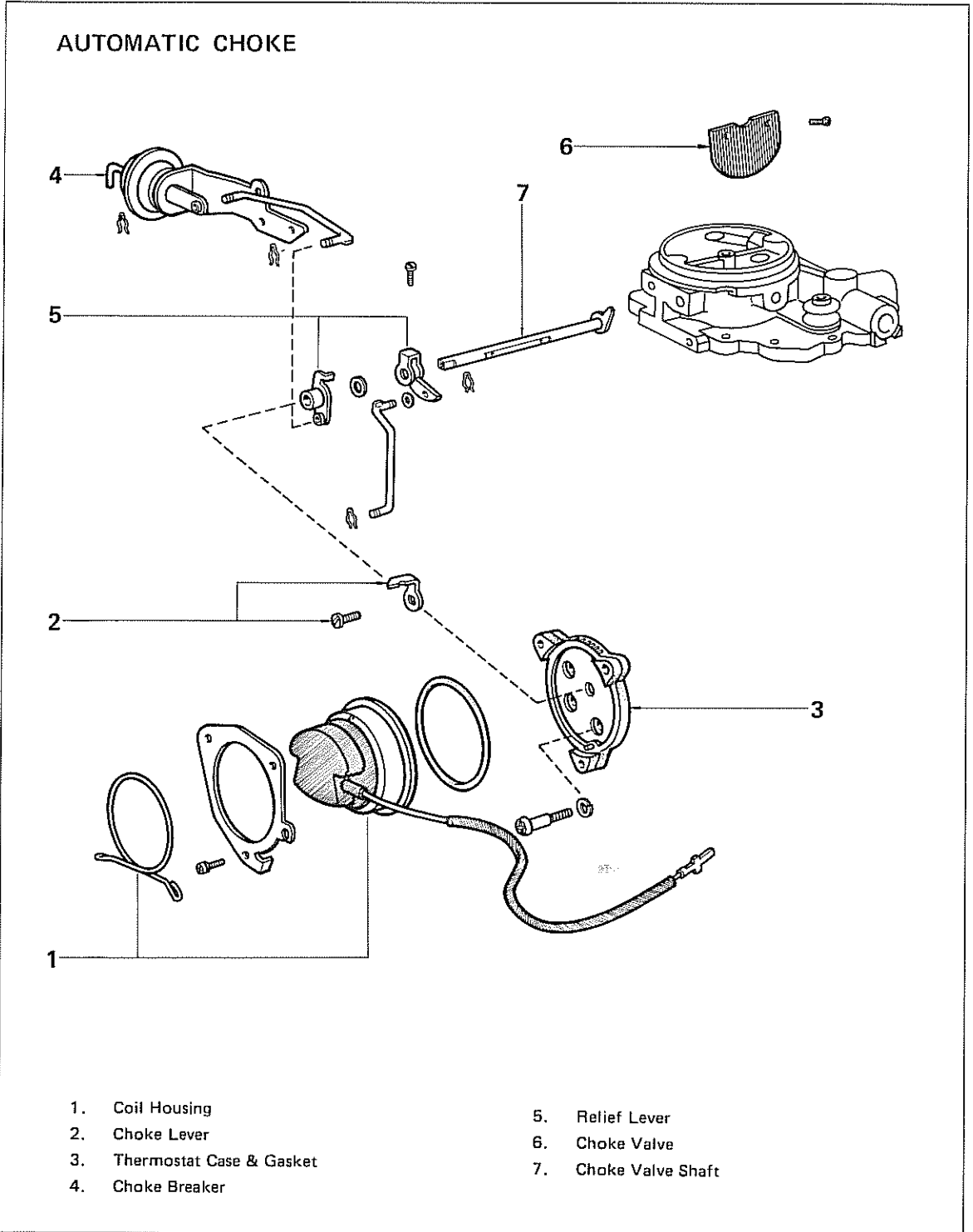


Check the power piston movement.

**Choke System**

Disassemble the parts in the numerical order shown in the figure.

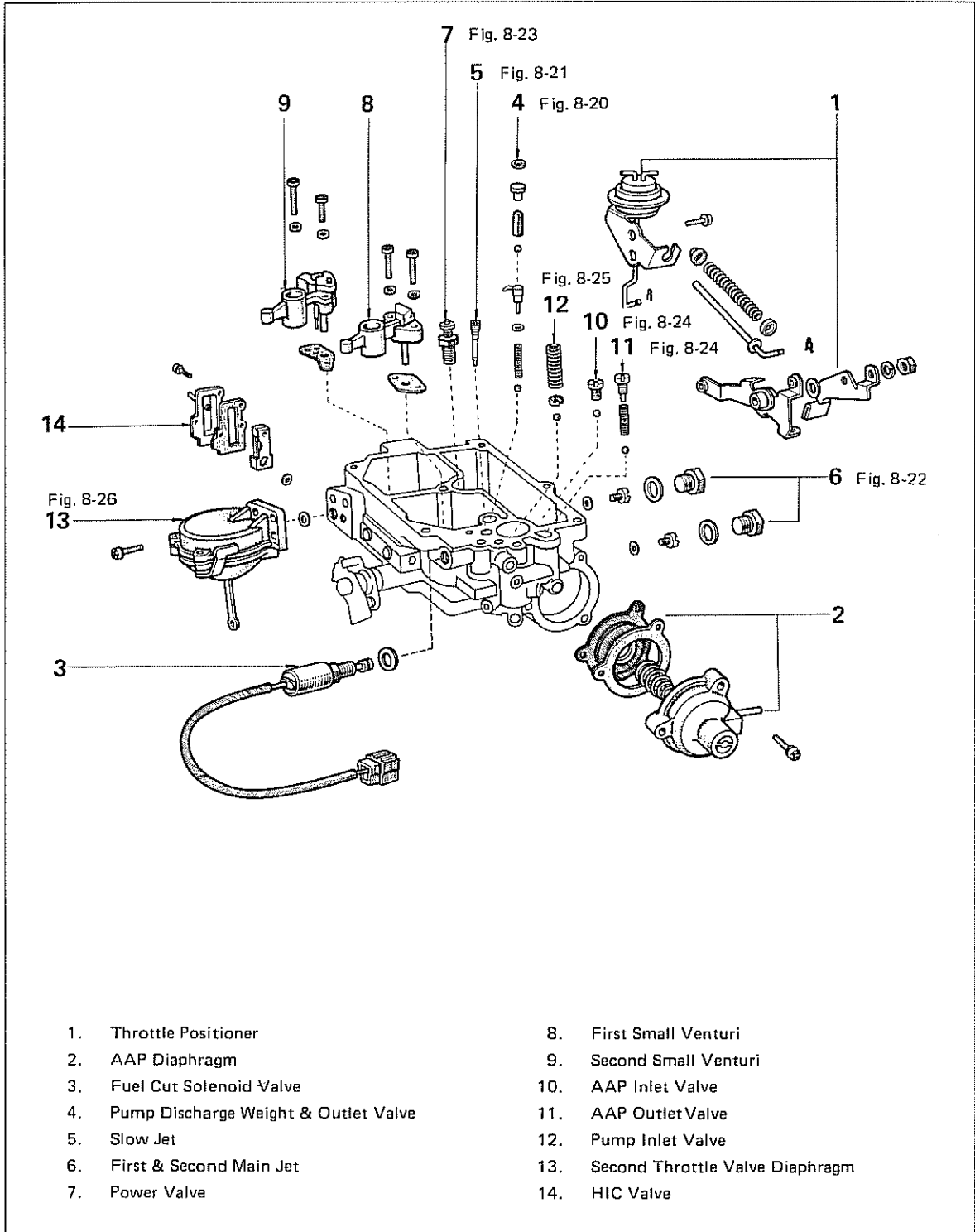
Fig. 8-18



**Body**

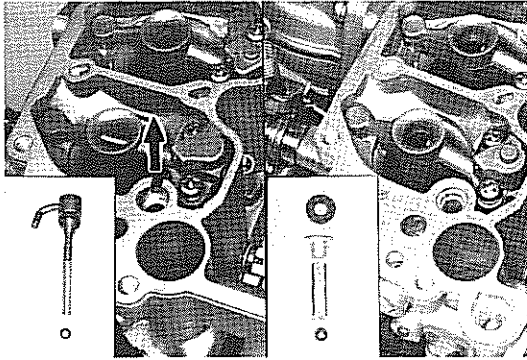
Disassemble the parts in the numerical order shown in the figure.

Fig. 8-19



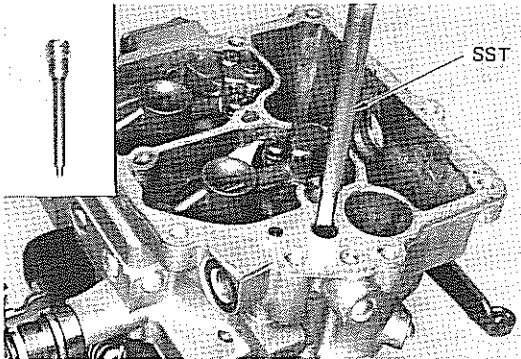
- |   |                                     |
|---|-------------------------------------|
| 1. Throttle Positioner                  | 8. First Small Venturi              |
| 2. AAP Diaphragm                        | 9. Second Small Venturi             |
| 3. Fuel Cut Solenoid Valve              | 10. AAP Inlet Valve                 |
| 4. Pump Discharge Weight & Outlet Valve | 11. AAP Outlet Valve                |
| 5. Slow Jet                             | 12. Pump Inlet Valve                |
| 6. First & Second Main Jet              | 13. Second Throttle Valve Diaphragm |
| 7. Power Valve                          | 14. HIC Valve                       |

Fig. 8-20



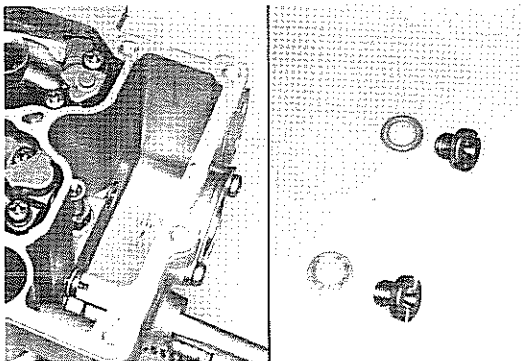
Arrange the acceleration pump nozzle, spring and pump discharge weight.

Fig. 8-21



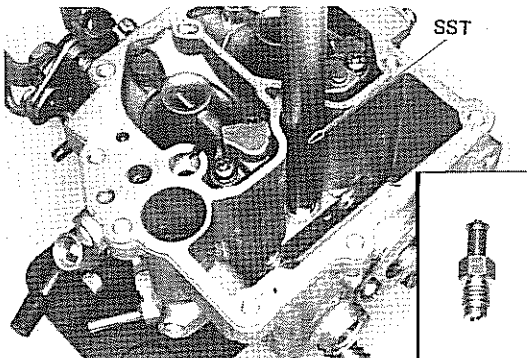
Remove the slow jet with SST.  
SST[09860-11011]

Fig. 8-22



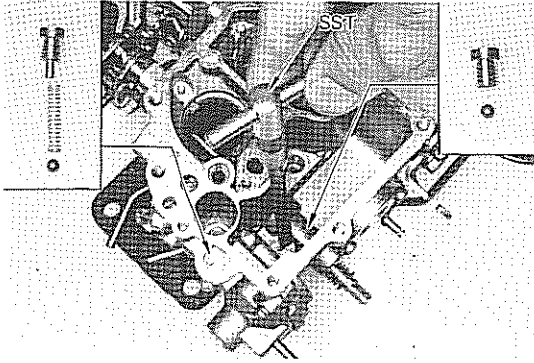
Remove the first and second main jets and gaskets.

Fig. 8-23



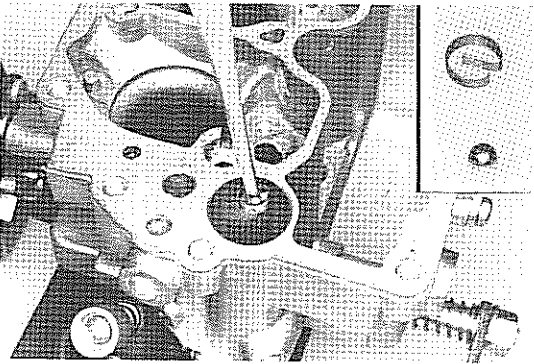
Remove the power valve with SST.  
SST[09860-11011]

Fig. 8-24



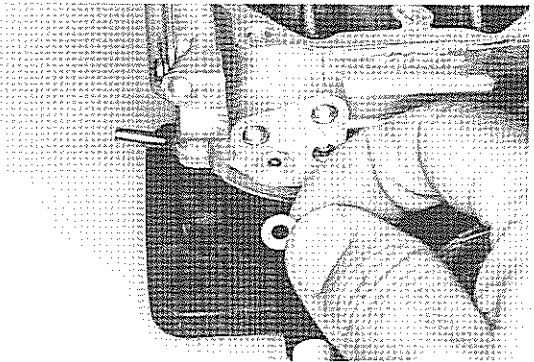
Remove the AAP outlet valve plug with SST. Then remove the spring and outlet check valve. SST[09860-11011]

Fig. 8-25



Remove the retainer with a tweezers and then remove the inlet check ball.

Fig. 8-26



After removing the diaphragm housing, arrange the gasket.

### Flange

Disassemble the parts in the numerical order shown in the figure.

Fig. 8-27

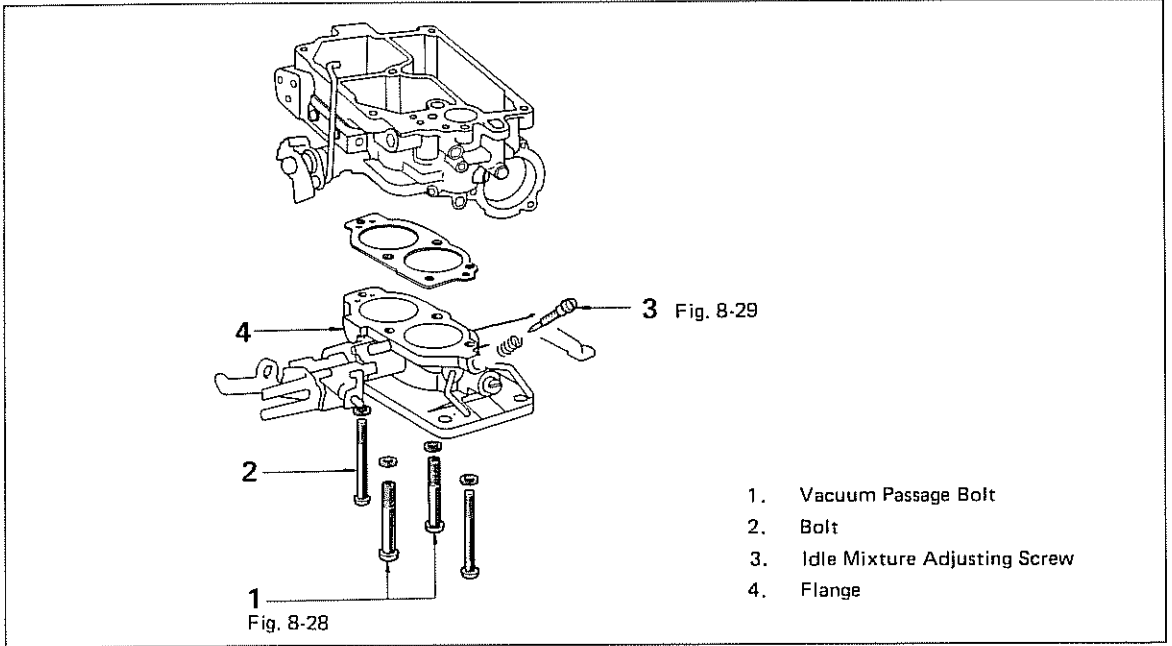
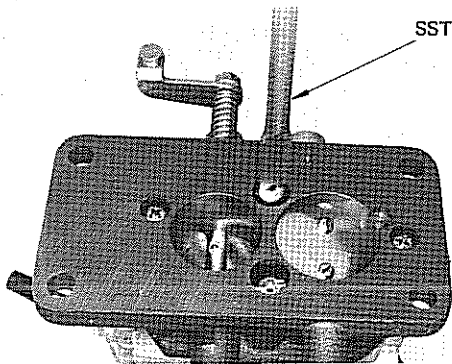
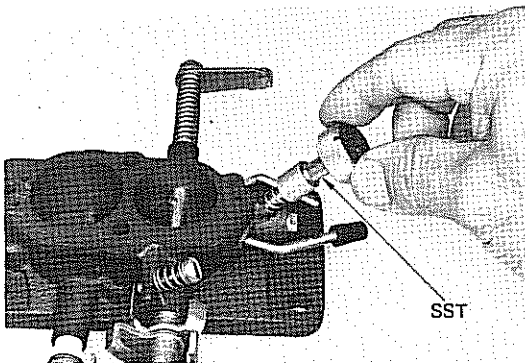


Fig. 8-28



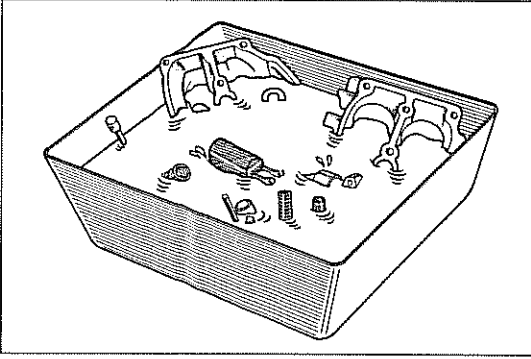
Remove the two bolts with SST.  
SST [09860-11011]

Fig. 8-29



Remove the idle mixture adjusting screw with SST.  
SST [09243-00010] or  
[09243-00020]

Fig. 8-30

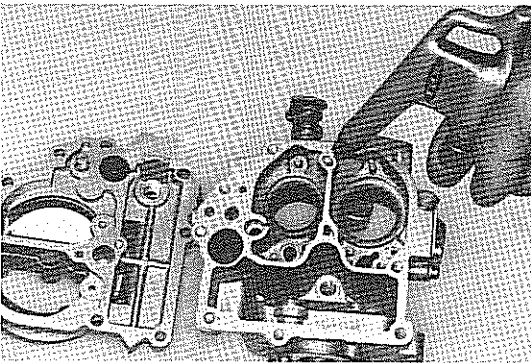


## INSPECTION

– Precaution –

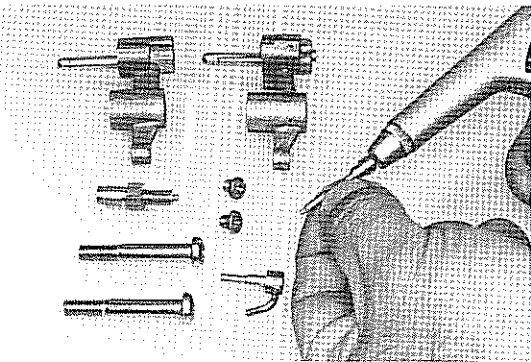
1. Before inspecting the parts, wash them thoroughly in gasoline.

Fig. 8-31



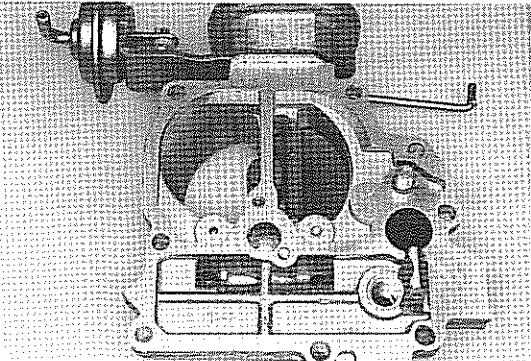
2. Using compressed air, blow all dirt and other foreign matter from the jets and similar parts, and from the fuel passages and apertures in the body.

Fig. 8-32



3. Never clean the jets or orifices with wire or a drill. This could enlarge the openings and result in excessive fuel consumption.

Fig. 8-33

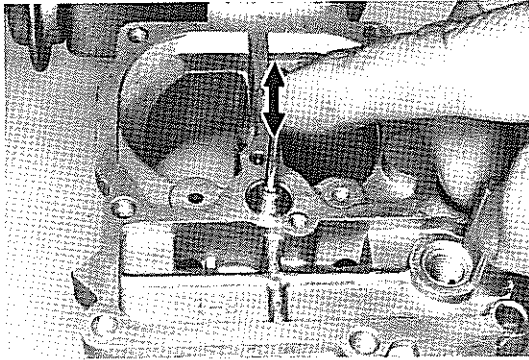


Inspect the following parts and replace any part damaged.

### Air Horn Parts

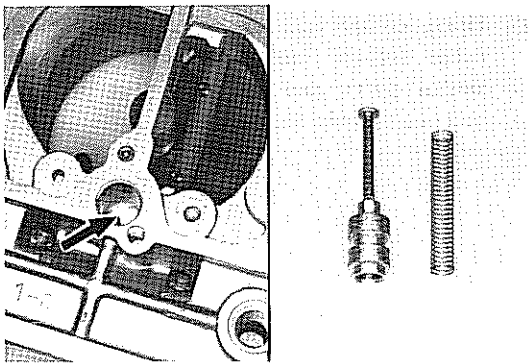
1. Air horn: Cracks, damaged threads, and wear on choke shaft bores.

Fig. 8-34



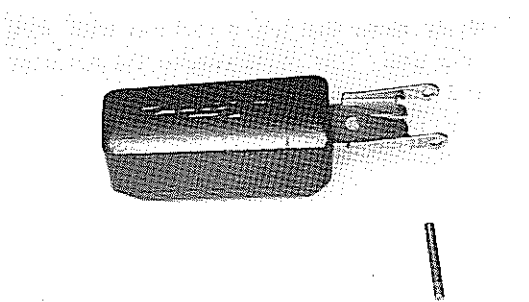
2. Make sure that power piston moves smoothly.

Fig. 8-35



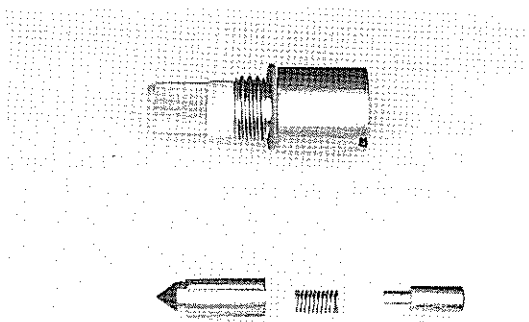
3. Power piston: Damaged.  
Spring: Deformation and rust.

Fig. 8-36



4. Check float and pivot pin for wear or breaks.

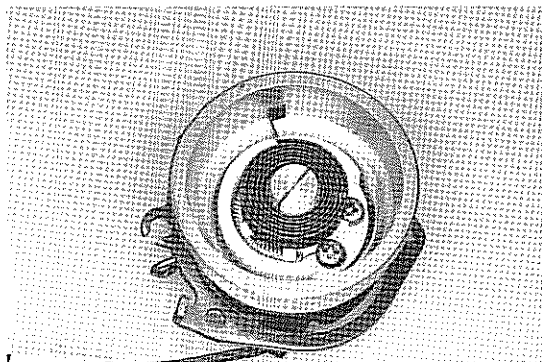
Fig. 8-37



5. Strainer: Rust, breaks.
6. Needle valve surface.
7. Needle valve seat.

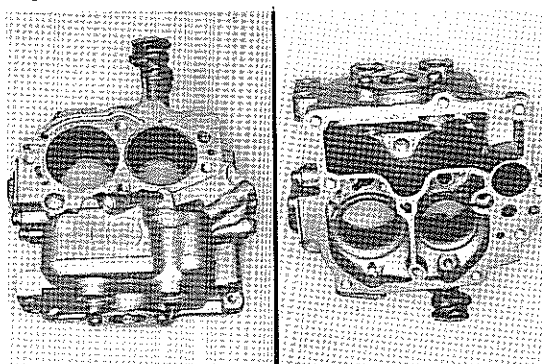


Fig. 8-38



8. Choke valve: Deformation. Choke shaft worn, bent, or not fitting properly into the housing.
9. Coil housing: Cracks, thermostatic bimetal coil deformed.

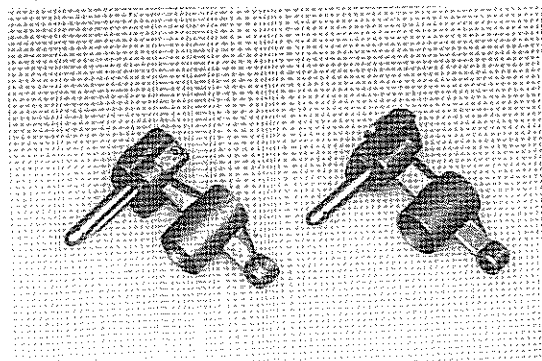
Fig. 8-39



**Body Parts**

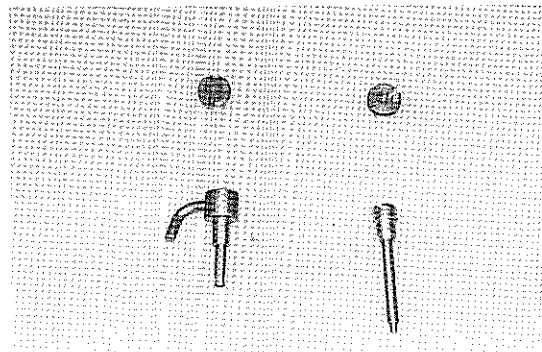
1. Body  
Cracks, scored mounting surfaces, damaged threads.

Fig. 8-40



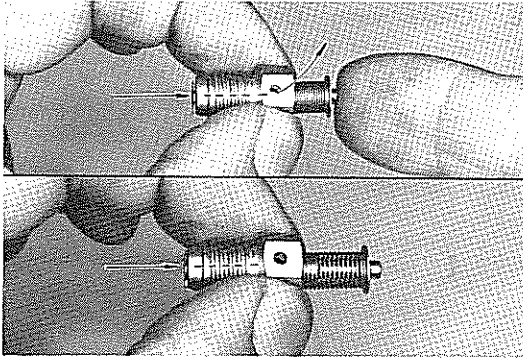
2. Venturi  
Damaged or clogged.

Fig. 8-41



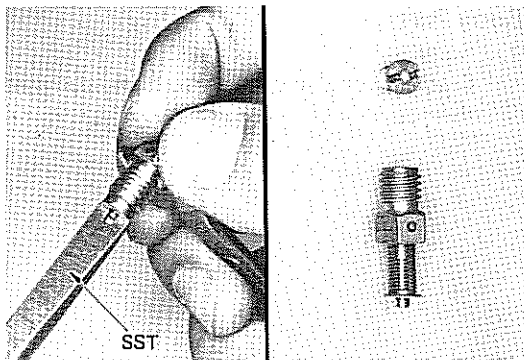
3. Jets  
Damaged or clogged.  
Damaged contact surface or threads.  
Screwdriver slots.

Fig. 8-42



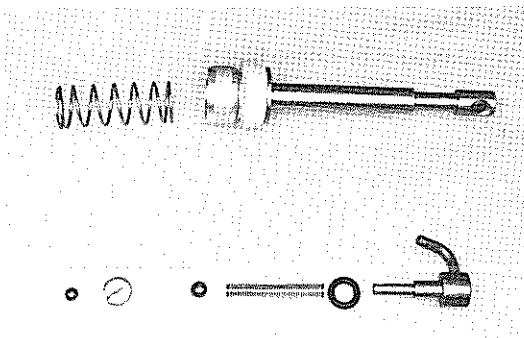
4. Power valve  
 Faulty opening and closing action.  
 Clogged.  
 Damaged contact surface or threads.

Fig. 8-43



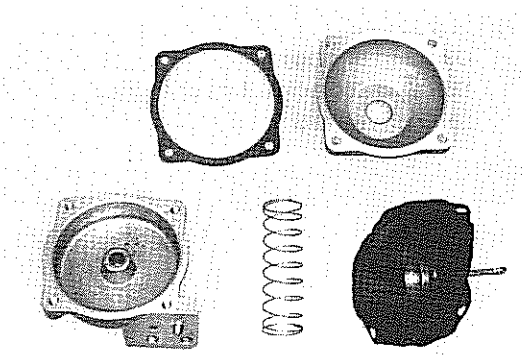
5. Use a spanner wrench and SST to remove the jet.  
 SST[09860-11011]

Fig. 8-44



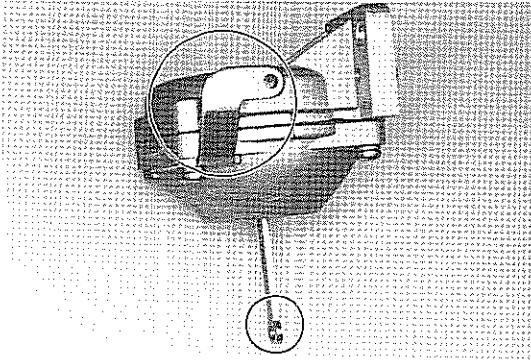
6. Acceleration pump  
 Pump damping spring: Deformation, rust.  
 Pump check ball: Damaged, rusted.  
 Pump plunger: Wear on sliding surface, deformed or damaged leather.

Fig. 8-45



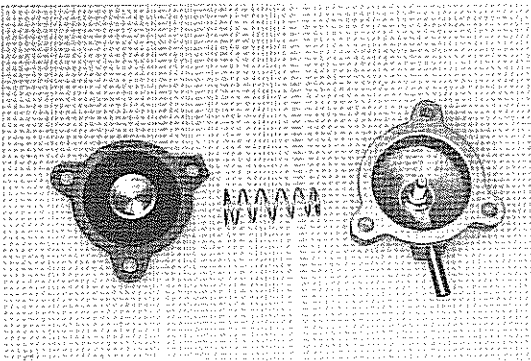
7. Secondary diaphragm  
 Damaged

Fig. 8-46



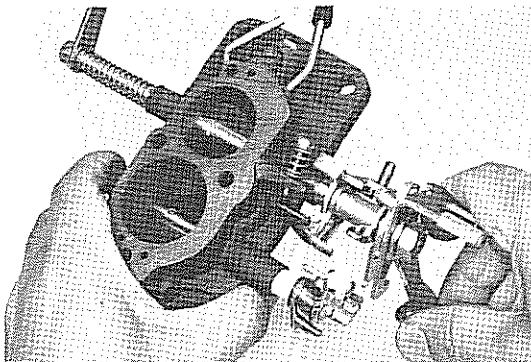
8. Install the diaphragm as shown in the figure.

Fig. 8-47



9. Auxiliary acceleration pump  
Diaphragm damaged

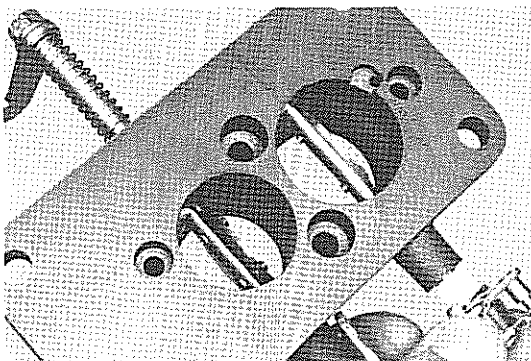
Fig. 8-48



**Flange Parts**

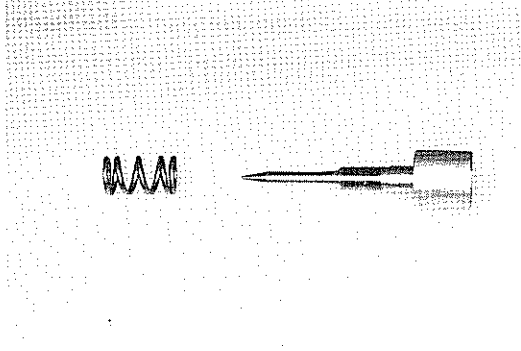
1. Flange: Cracks, injured mounting surfaces, damaged threads, wear at throttle shaft bearings.

Fig. 8-49



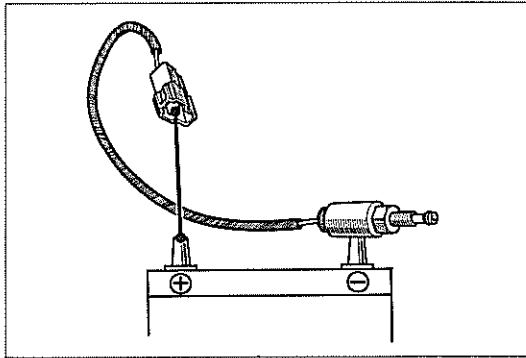
2. Throttle valves: Worn or deformed valves. Wear, bending, twisting, or faulty movement inside housing of shaft.

Fig. 8-50



3. Idle mixture adjusting screw: Damage tapered tip or threads.

Fig. 8-51



### Solenoid Valve

- Check operation of the solenoid valve. Connect wiring to the battery positive terminal and ground the body. The needle valve should be pulled in.

**ASSEMBLY**

**Flange**

Assemble the parts in the numerical order shown in the figure.

Fig. 8-52

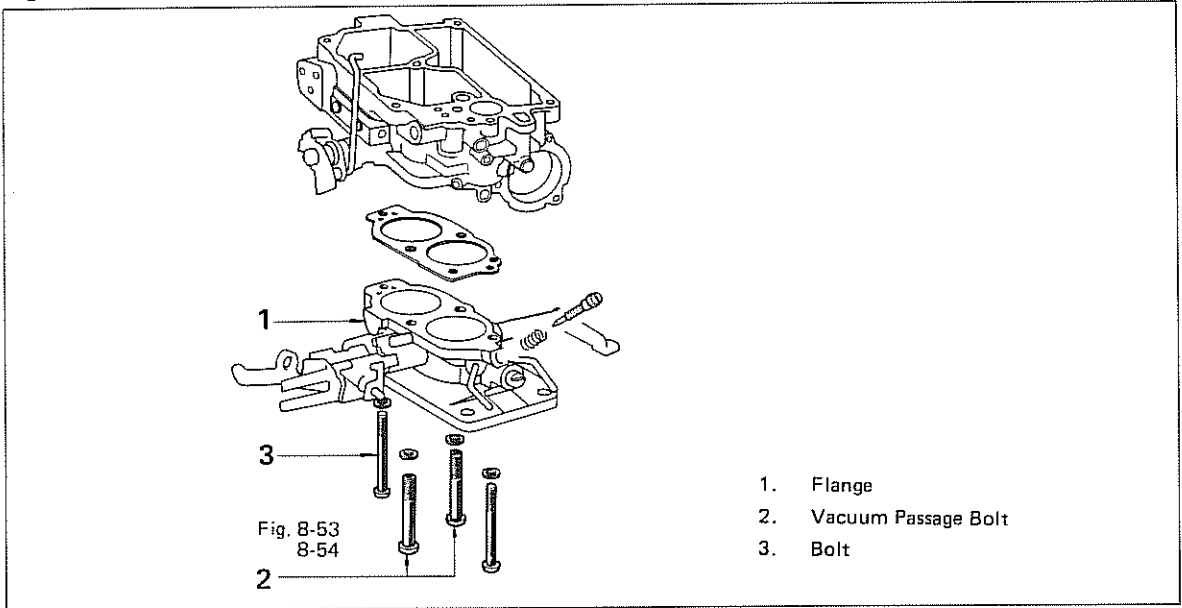
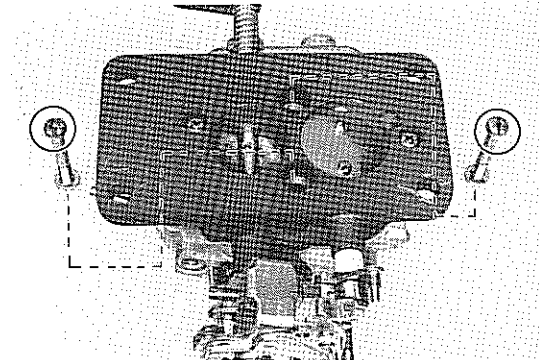
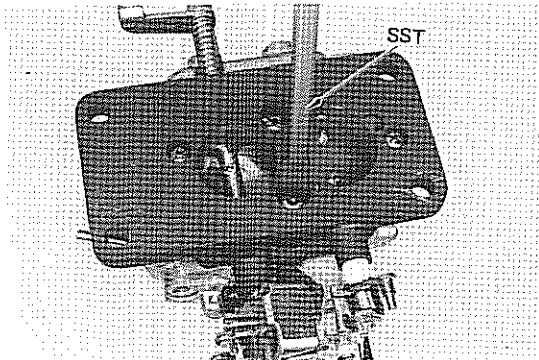


Fig. 8-53



Assemble the vacuum passage bolt in the position shown in the figure.

Fig. 8-54



First finger tighten all bolts and then tighten them down.

**Body**

Assemble the parts in the numerical order shown in the figure.

Fig. 8-55

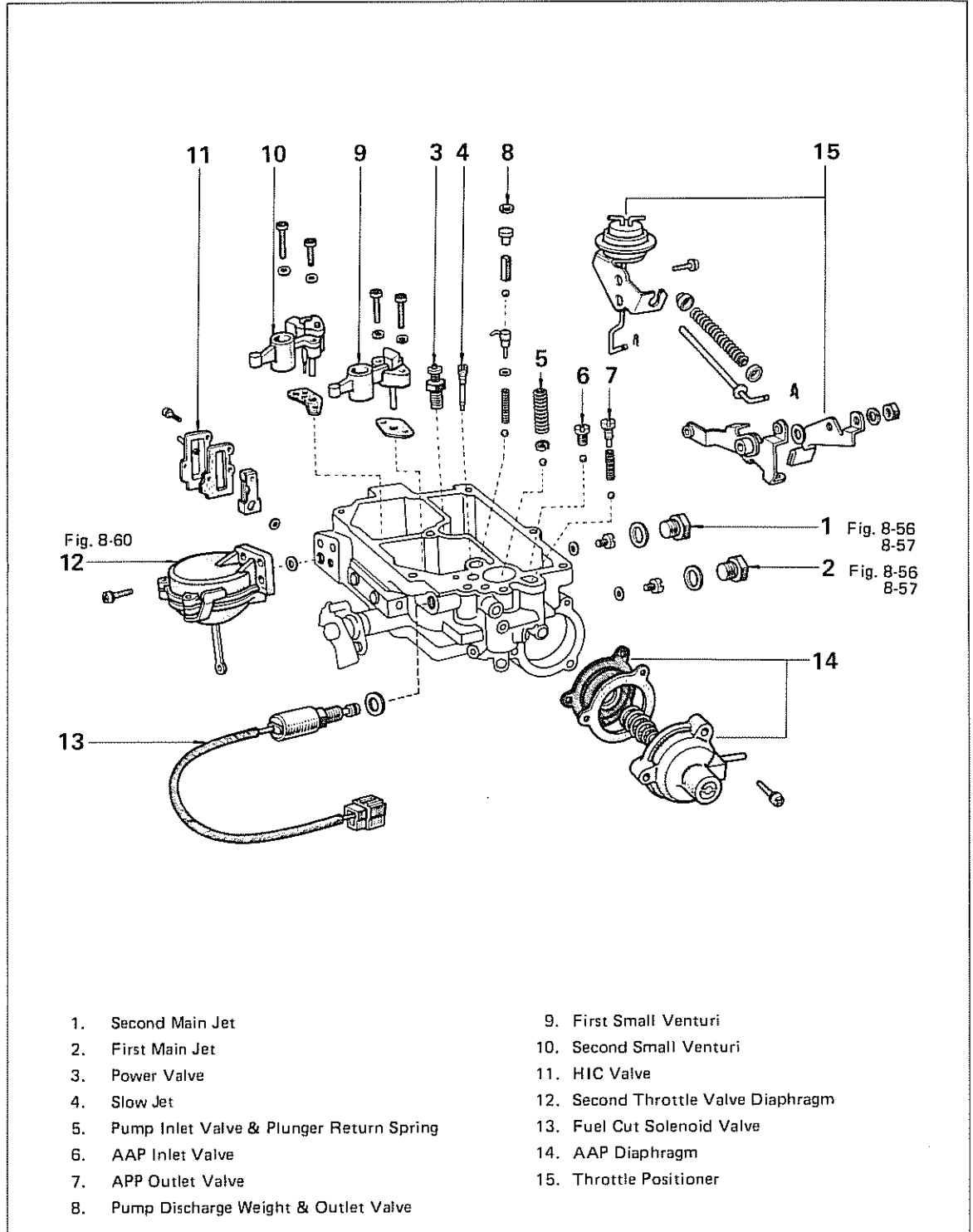
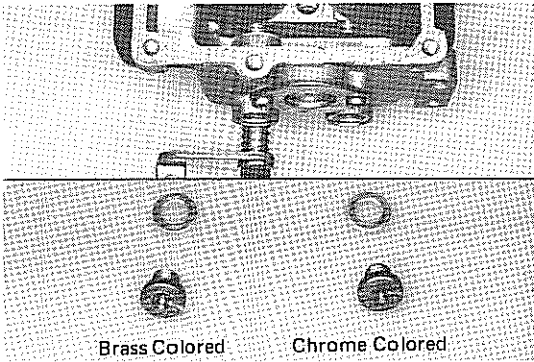


Fig. 8-56

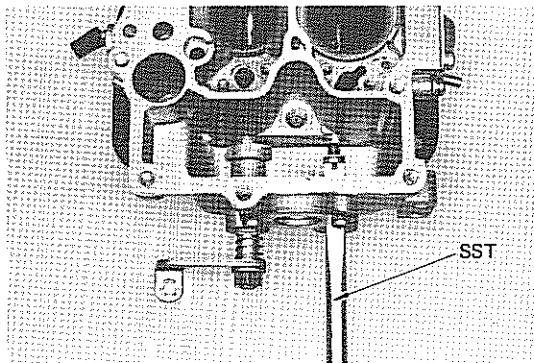


Install the main jets over gaskets.

**First jet: Brass colored**

**Second jet: Chrome colored**

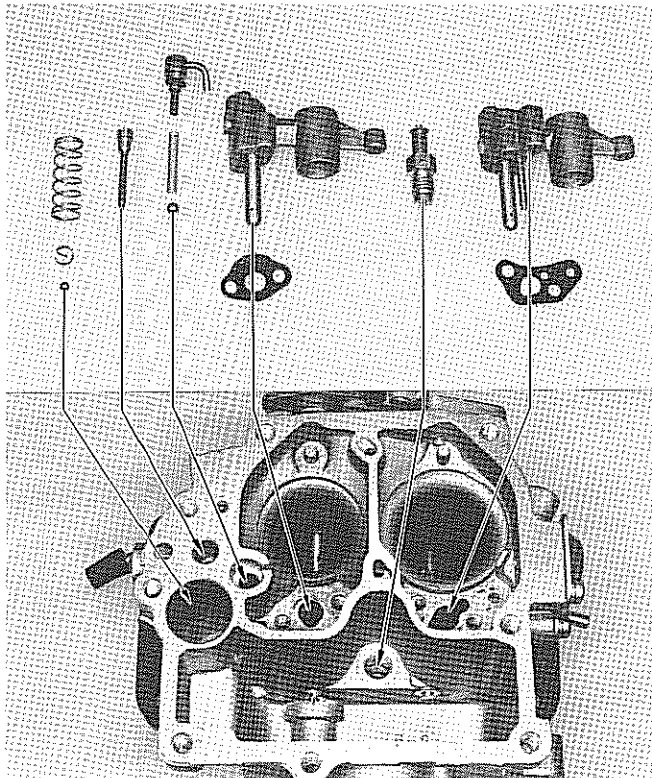
Fig. 8-57



Tighten the first and second main jets with SST.

SST[09860-11011]

Fig. 8-58

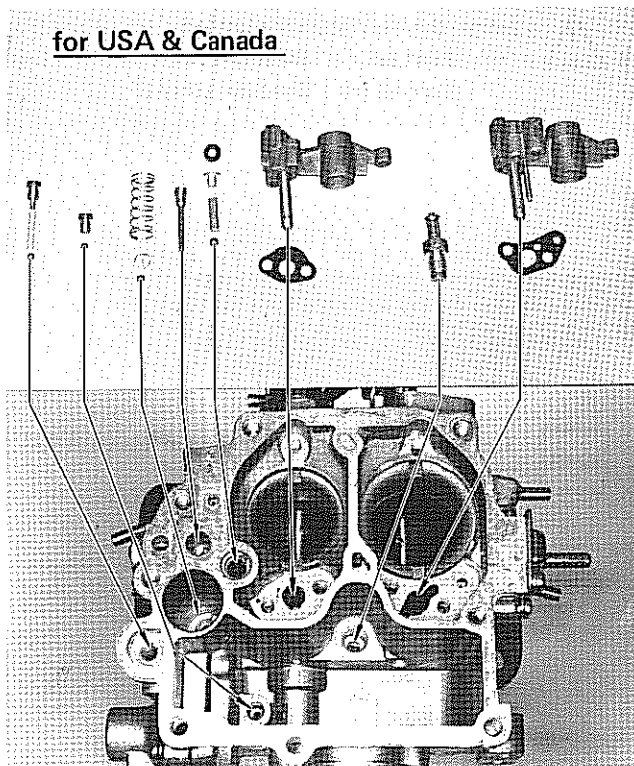


Install the jets, air bleed, valve and plugs as shown in the figure.



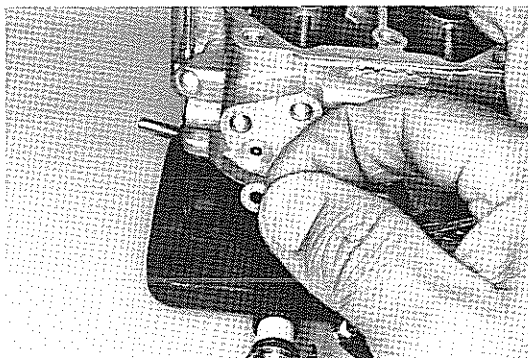
Fig. 8-59

for USA & Canada



Install the jets, bleed, valve, venturi and plugs as shown in the figure.

Fig. 8-60



Install the gasket and diaphragm housing.



**Choke System**

Assemble the parts in the numerical order shown in the figure.

Fig. 8-61

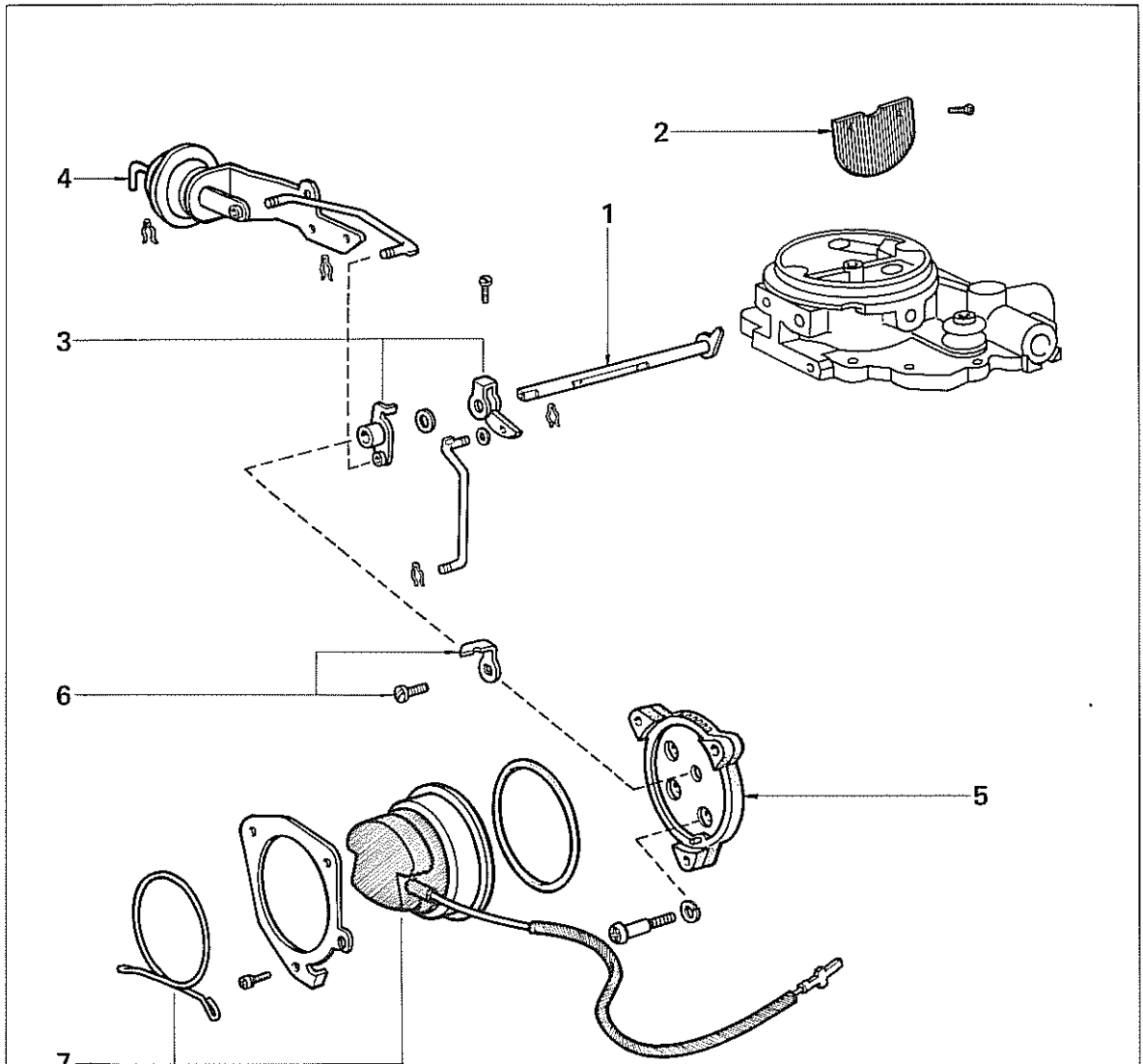
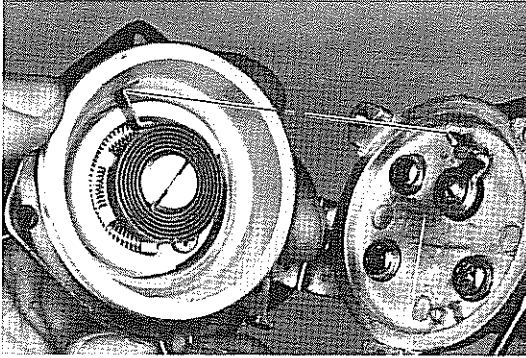


Fig. 8-62  
8-64

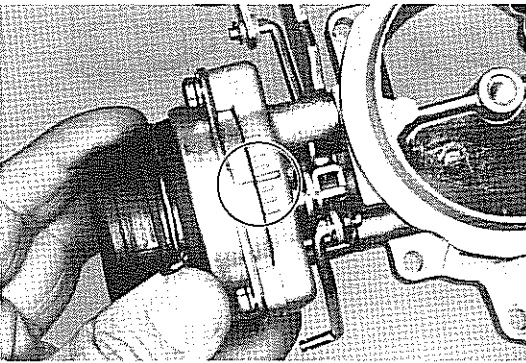
- |                      |                             |
|----------------------|-----------------------------|
| 1. Choke Valve Shaft | 5. Thermostat Case & Gasket |
| 2. Choke Valve       | 6. Choke Lever              |
| 3. Relief Lever      | 7. Coil Housing             |
| 4. Choke Breaker     |                             |

Fig. 8-62



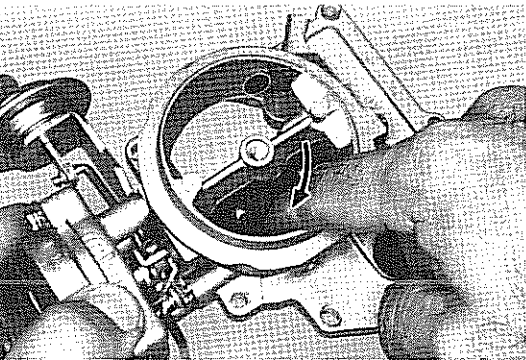
Hook the lever to the bimetal spring.

Fig. 8-63



Align the case scale standard line against the housing scale line.

Fig. 8-64



Check the choke valve action.

**Float**

Assemble the parts in the numerical order shown in the figure.

Fig. 8-65

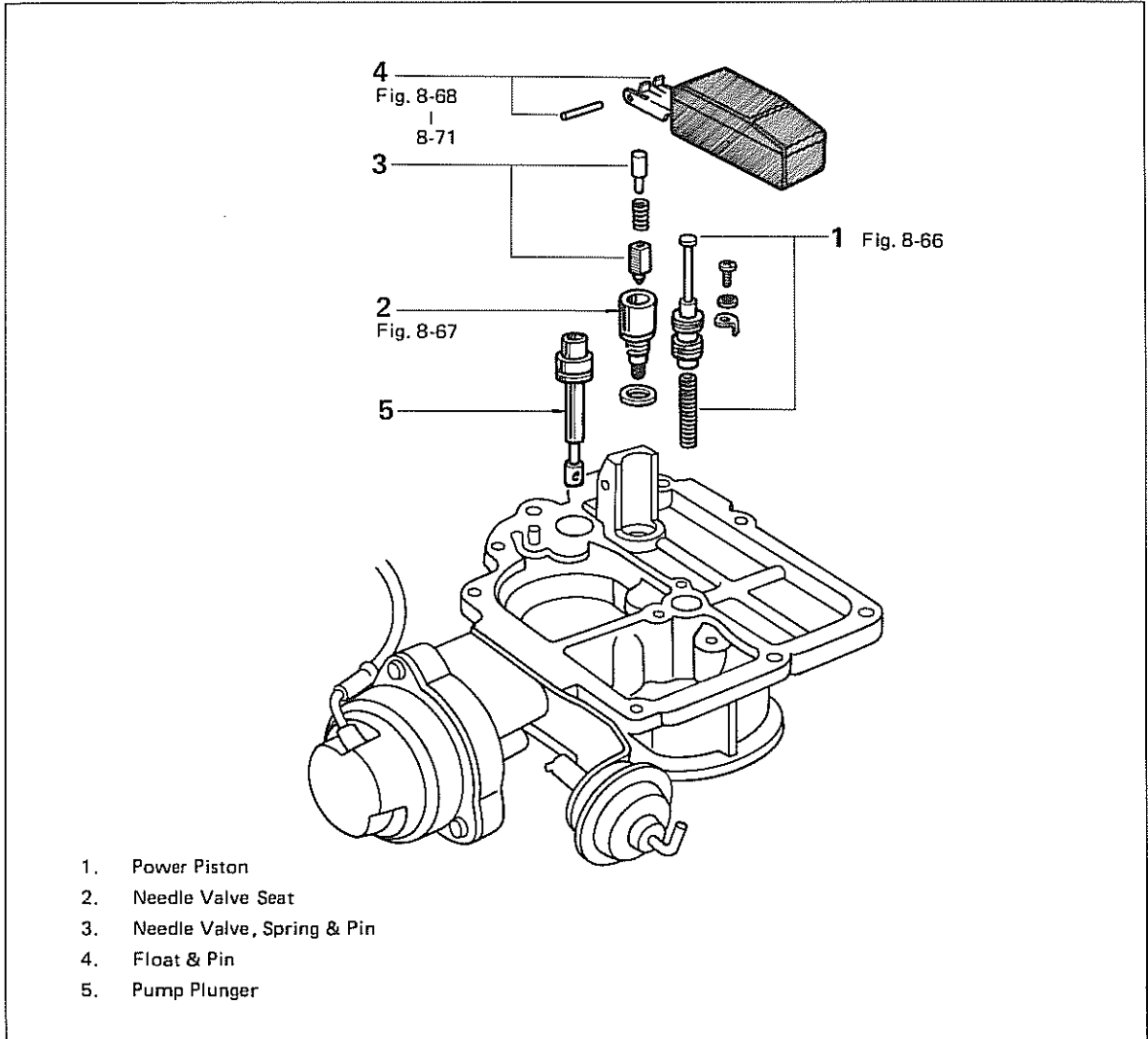
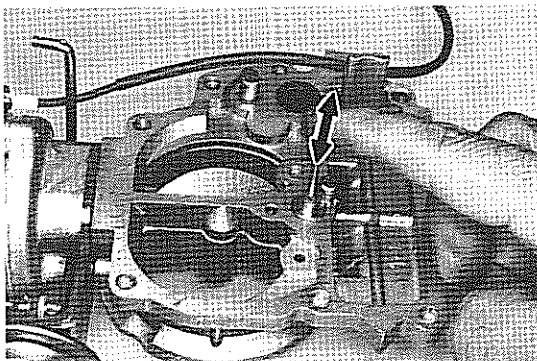
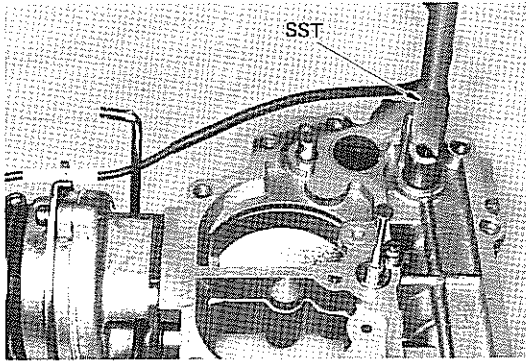


Fig. 8-66



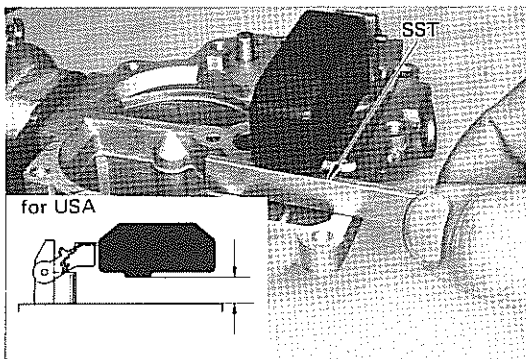
After installing, insure that power piston moves smoothly.

Fig. 8-67



Install the needle valve seat with SST.  
SST[09860-11011]

Fig. 8-68



Adjust float level.  
Allow the float to hang down by its own weight.  
Then check the clearance between the float  
and air horn with SST.  
SST[09240-00014]

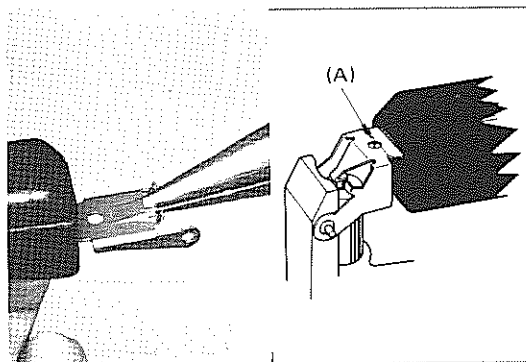
**Float upper level:**

|     |           |                   |
|-----|-----------|-------------------|
| STD | 3T        | 6.5 mm (0.26 in.) |
|     | 3T-C      | 4.5 mm (0.18 in.) |
|     | 2T & 2T-B | 4.0 mm (0.16 in.) |

– Note –

**This measurement is always made without any gasket on the air horn.**

Fig. 8-69

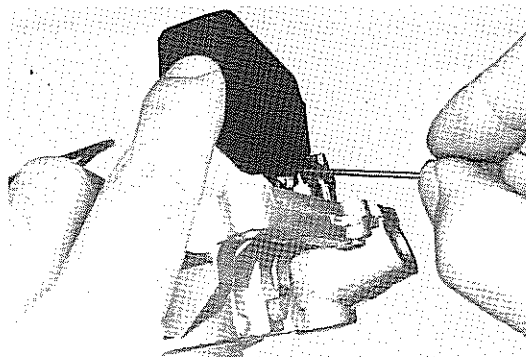


Adjust by bending float lip as shown in the figure.

[for USA]

Adjust the clearance by bending at point (A) of the float as shown in the figure.

Fig. 8-70



Adjust lowered position.

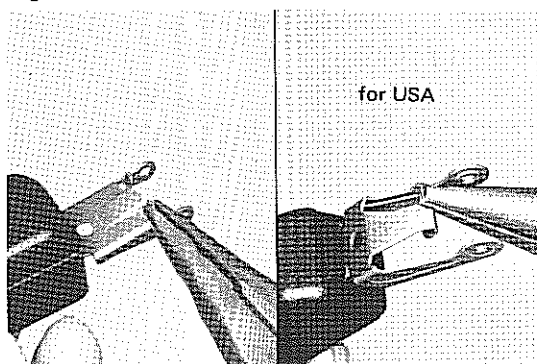
Lift up the float and check the clearance between the needle valve plunger and float lip with SST.

SST[09240-00020]

**Float lower level:**

|     |                   |
|-----|-------------------|
| STD | 1.0 – 1.2 mm      |
|     | (0.04 – 0.05 in.) |

Fig. 8-71

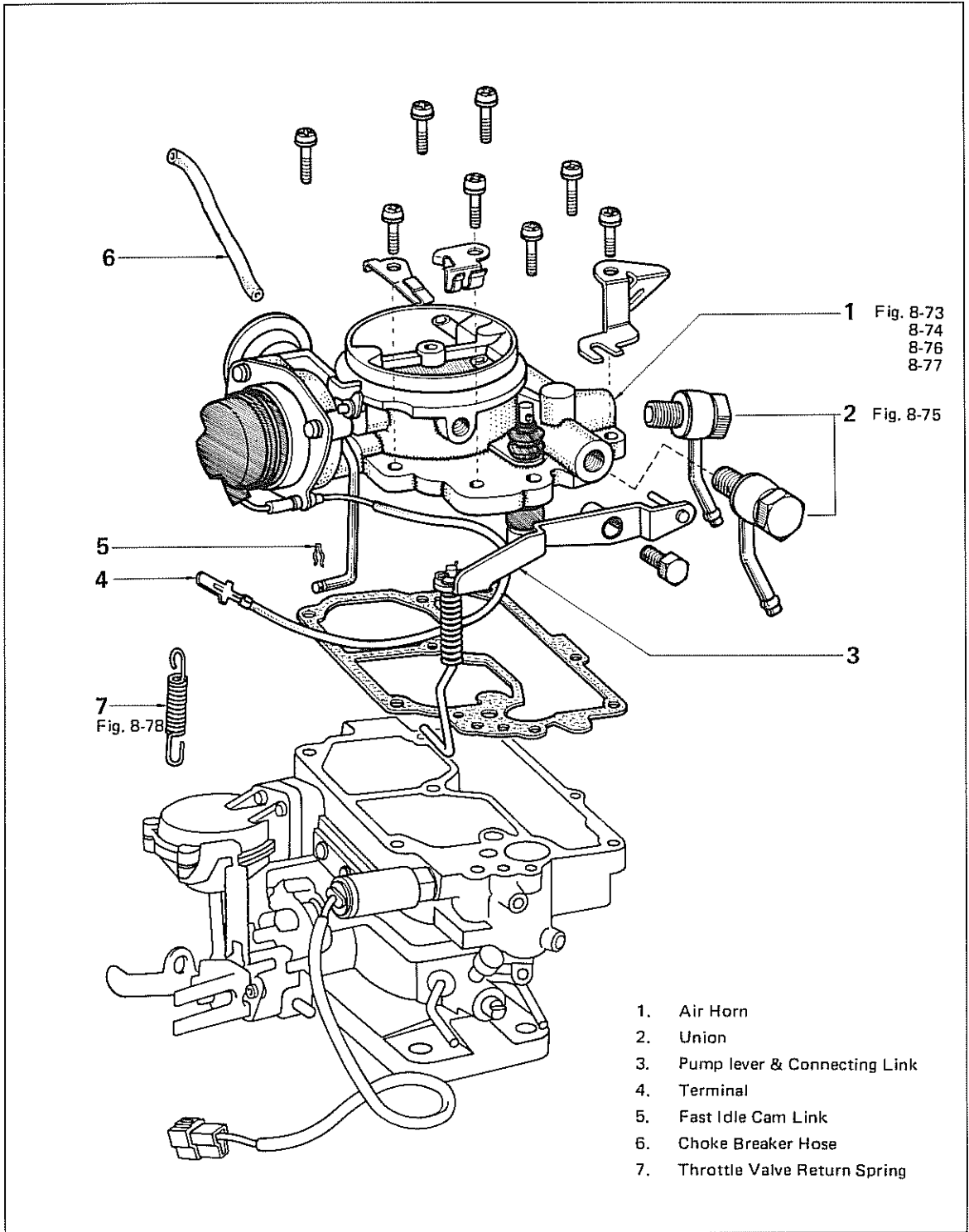


Adjust by bending the float lip as shown in the figure.

**Body & Air Horn**

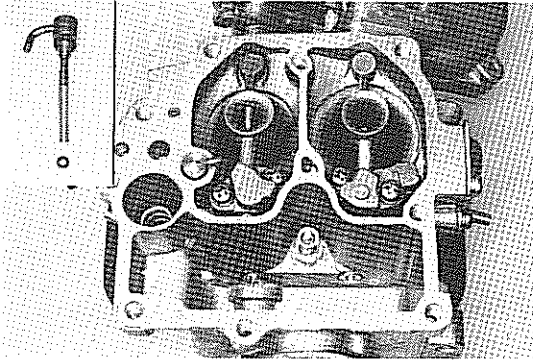
Assemble the parts in the numerical order shown in the figure.

Fig. 8-72



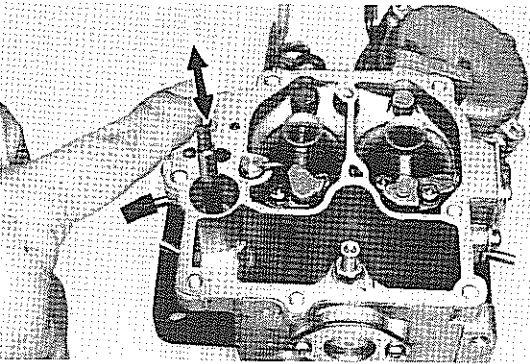
- 1. Air Horn
- 2. Union
- 3. Pump lever & Connecting Link
- 4. Terminal
- 5. Fast Idle Cam Link
- 6. Choke Breaker Hose
- 7. Throttle Valve Return Spring

Fig. 8-73



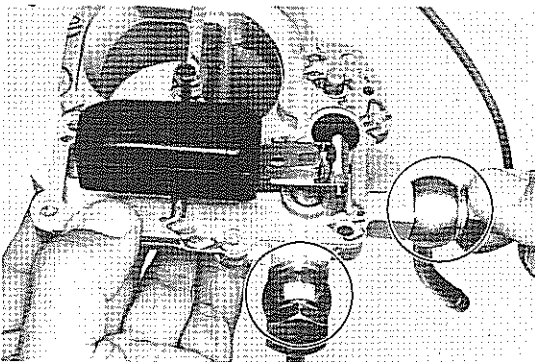
Before assembling the air horn, insure that the pump jet is properly assembled.

Fig. 8-74



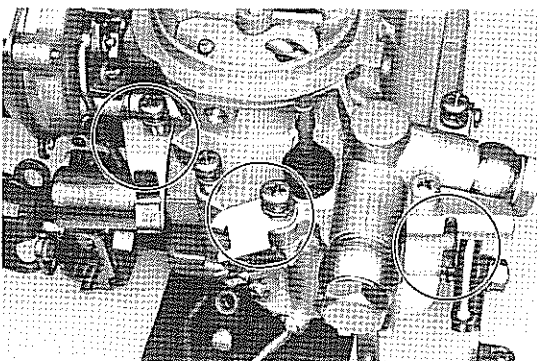
Before assembling the air horn, insure that pump plunger moves smoothly.

Fig. 8-75



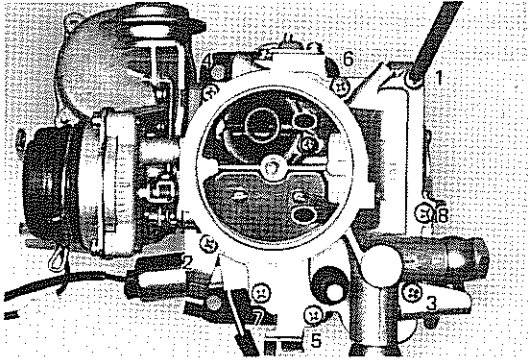
Temporarily install the fuel unions.

Fig. 8-76



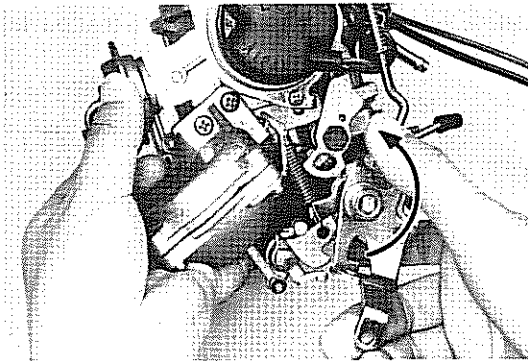
Install the clamps in the position shown in the figure.

Fig. 8-77



Tighten the air horn set screws at little at a time in diagonal order.

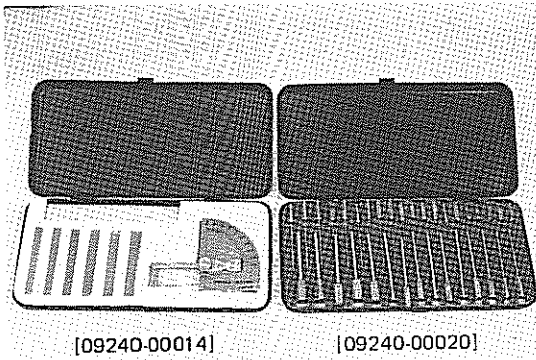
Fig. 8-78



After assembling, make sure that each link moves smoothly.



Fig. 8-79

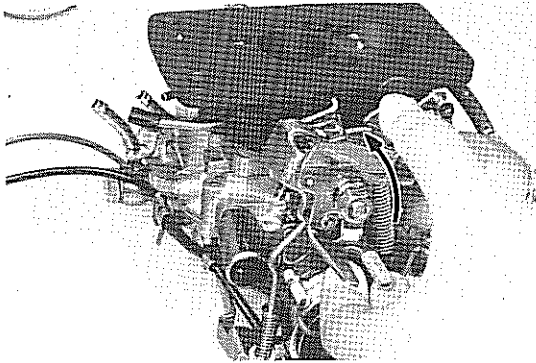


**ADJUSTMENT**



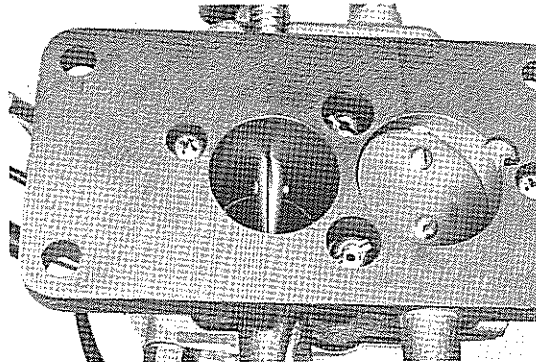
Make adjustments with SST.  
 SST [09240-00014]  
 [09240-00020]

Fig. 8-80



1. First throttle valve opening.
  - (1) Fully open the first throttle valve.

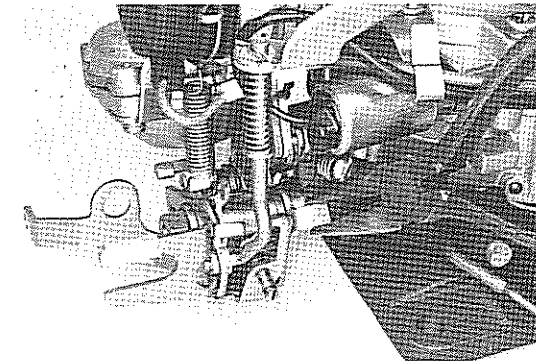
Fig. 8-81



- (2) Check the first throttle valve opening angle.

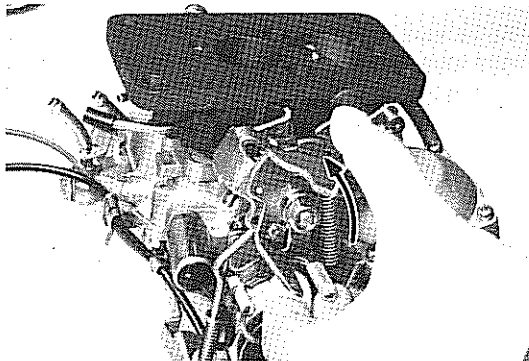
**Opening angle: 90°**

Fig. 8-82



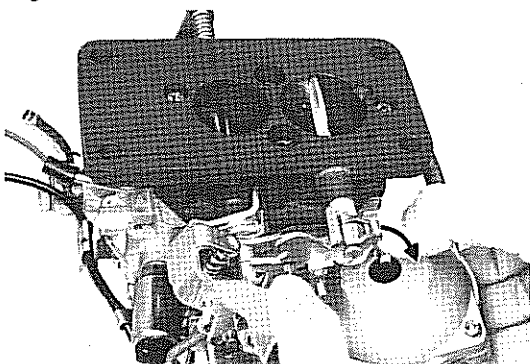
- (3) Adjust by bending the throttle lever stopper.

Fig. 8-83



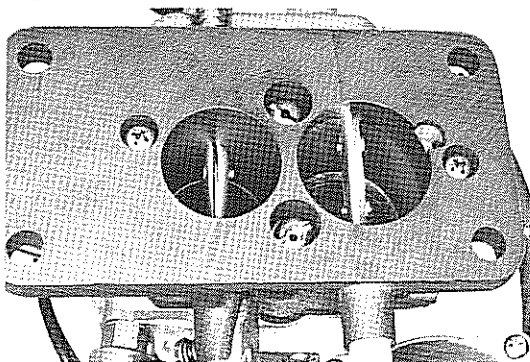
2. Second throttle valve opening.
  - (1) Fully open the first throttle valve.

Fig. 8-84



- (2) Fully open the second throttle valve lever.

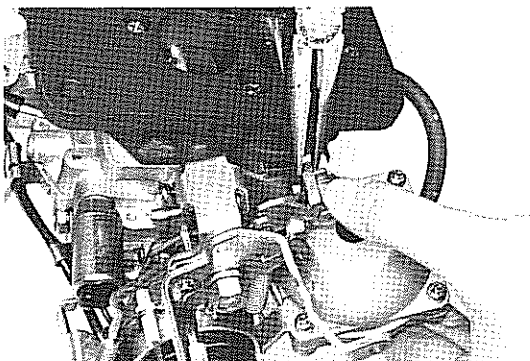
Fig. 8-85



- (3) Check the throttle valve opening angle.

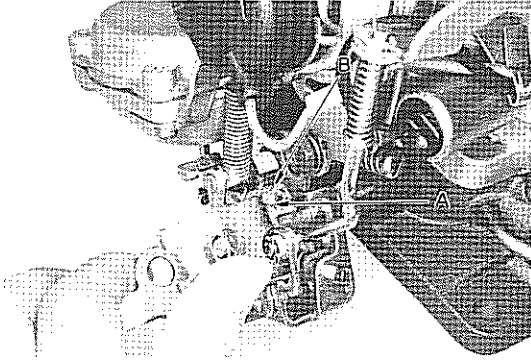
Opening angle:  $80^{\circ}$

Fig. 8-86



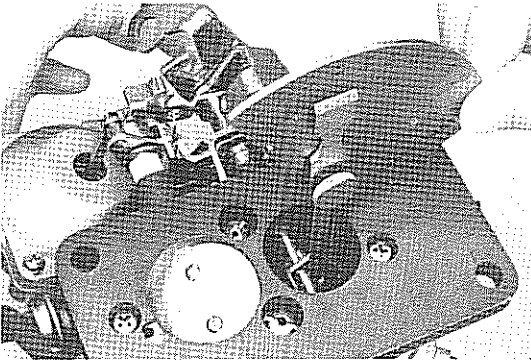
- (4) Adjust by bending the throttle lever stopper.

Fig. 8-87



3. Secondary touch angle.
  - (1) Open the first throttle valve until the throttle valve lever (A) part touch (B) part.

Fig. 8-88

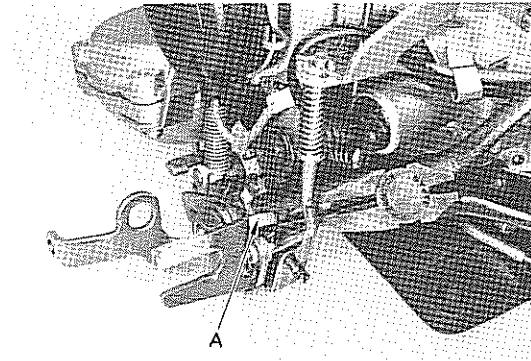


- (2) At this time, check the first throttle valve opening angle.

**Secondary touch angle:**

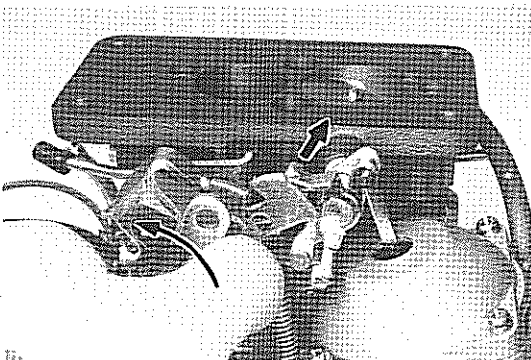
**57° – 61°**

Fig. 8-89



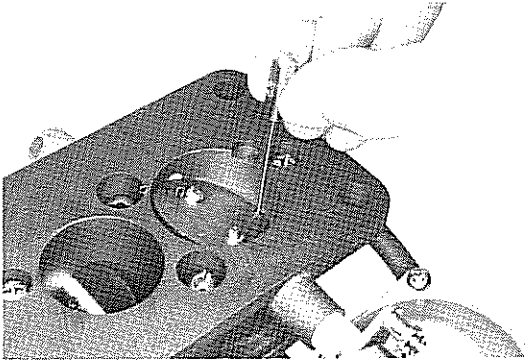
- (3) Adjust by bending (A) part.

Fig. 8-90



4. Kick up
  - (1) Open the first throttle valve until the kick arm slightly opens the second throttle valve.

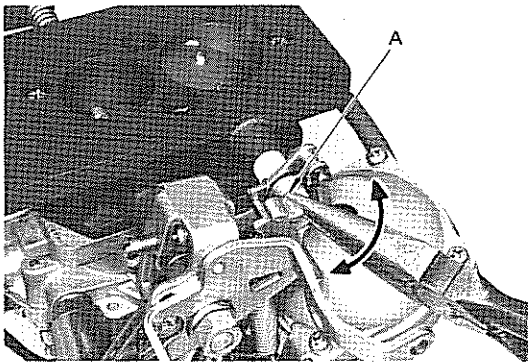
Fig. 8-91



- (2) Check the clearance between the second throttle valve and body.

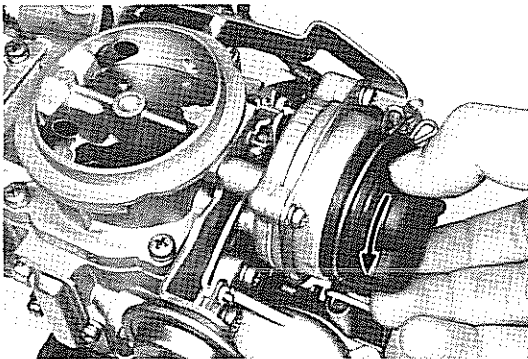
**Kick up clearance:**  
**0.2 mm**  
**(0.008 in.)**

Fig. 8-92



- (3) Adjust by bending (A) part.

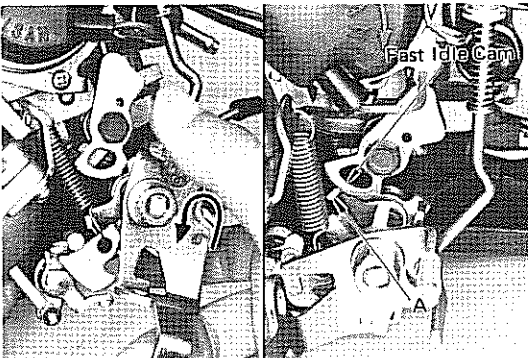
Fig. 8-93



5-1. Fast idle (automatic choke only)

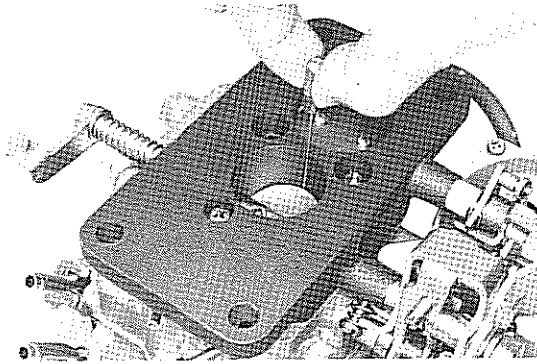
- (1) Fully close the choke valve by turning the coil housing.

Fig. 8-94



- (2) Slightly open the first throttle valve and then close it. Insure that the throttle lever (A) part hooks to the fast idle cam.

Fig. 8-95

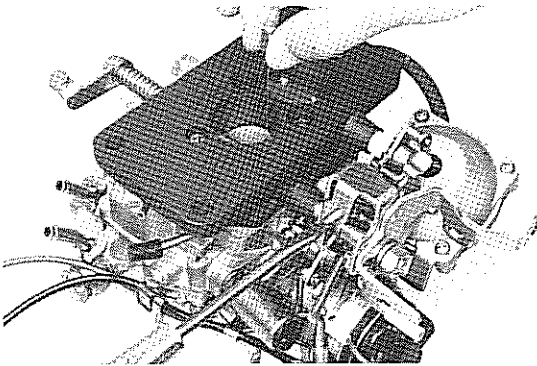


- (3) Check the clearance between the first throttle valve and bore.

**Fast idle clearance:**

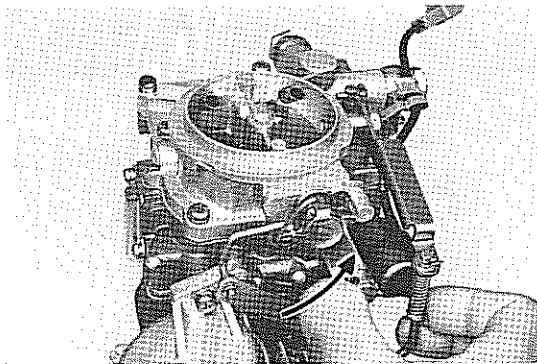
**0.81 mm  
(0.032 in.)**

Fig. 8-96



- (4) Adjust by turning the fast idle adjusting screw.

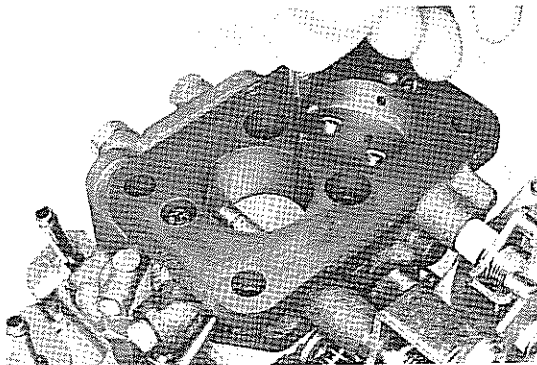
Fig. 8-97



5-2. Fast idle (manual choke only)

- (1) Fully close the choke valve by turning the choke shaft lever.

Fig. 8-98

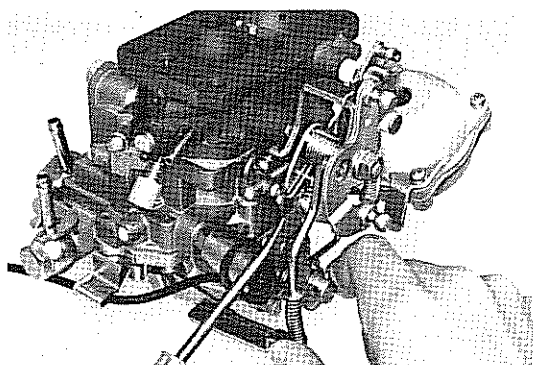


- (2) Check the clearance between the first throttle valve and bore.

**Fast idle clearance:**

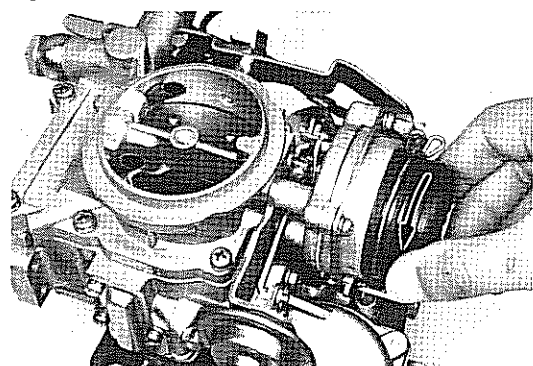
**1.01 mm  
(0.040 in.)**

Fig. 8-99



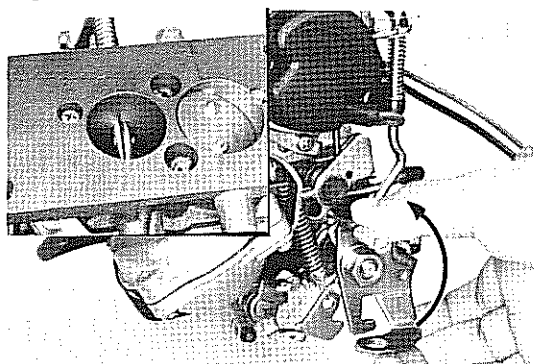
- (3) Adjust by turning the fast idle adjusting screw.

Fig. 8-100



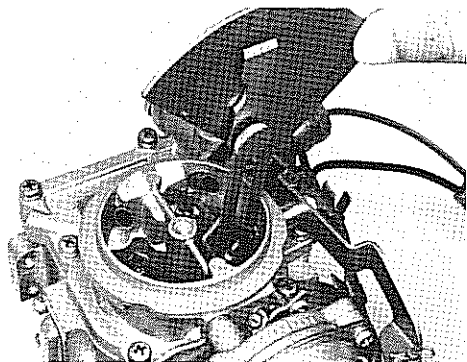
6. Unloader (only automatic choke)  
 (1) Fully close the choke valve by turning the coil housing.

Fig. 8-101



- (2) Fully open the first throttle valve.

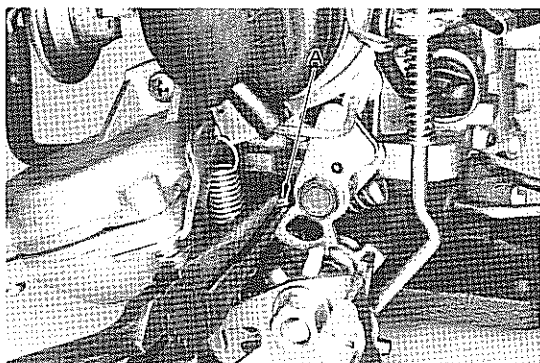
Fig. 8-102



- (3) At this time, check the choke valve opening angle.

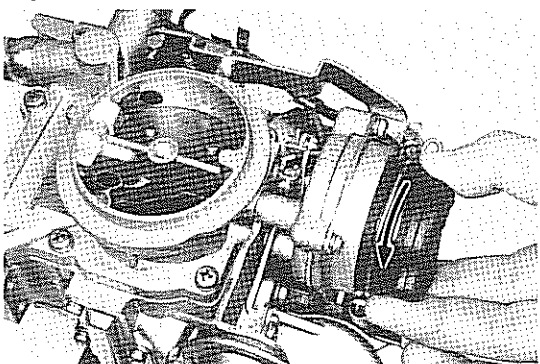
**Unloader angle: 47°**

Fig. 8-103



(4) Adjust by bending (A) part.

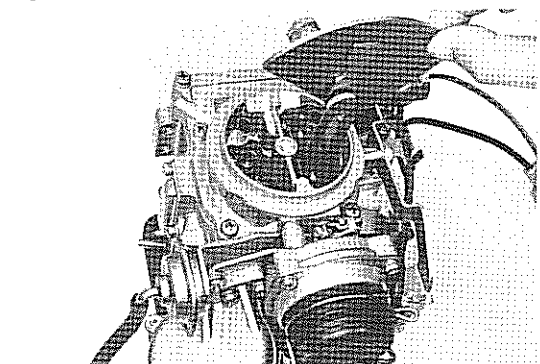
Fig. 8-104



7. Choke breaker (automatic choke only)

(1) Fully close the choke valve by turning the coil housing.

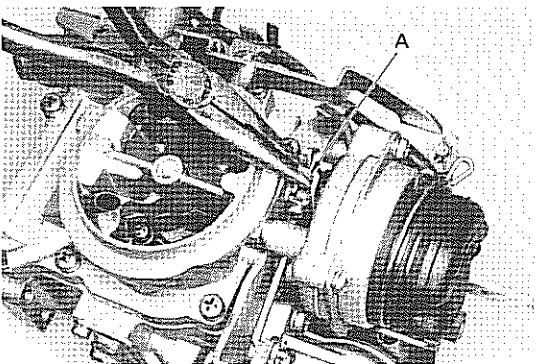
Fig. 8-105



(2) Connect a hose to the diaphragm and suck on the hose with your mouth.

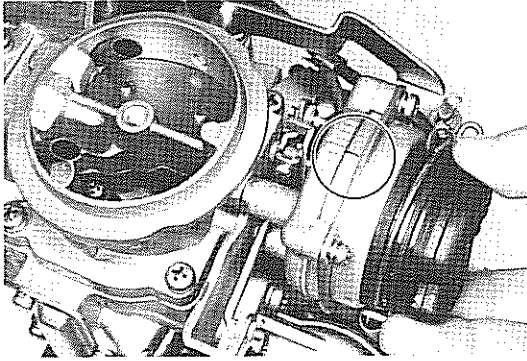
(3) At this time, check the clearance between the choke valve and bore.

Fig. 8-106



(4) Adjust by bending (A) part.

Fig. 8-107



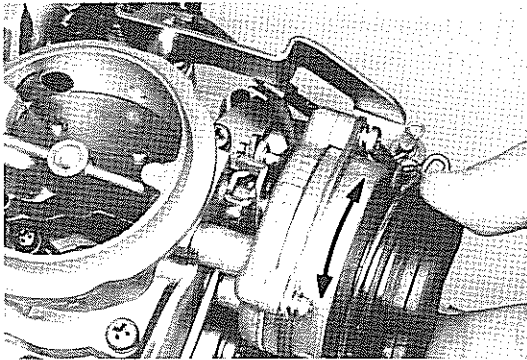
## 8. Automatic choke

- (1) Set the coil housing scale mark so that it will be aligned with the center line of the thermostat case.

## – Note –

The choke valve becomes fully closed when the atmospheric temperature reaches 25°C (77°F).

Fig. 8-108

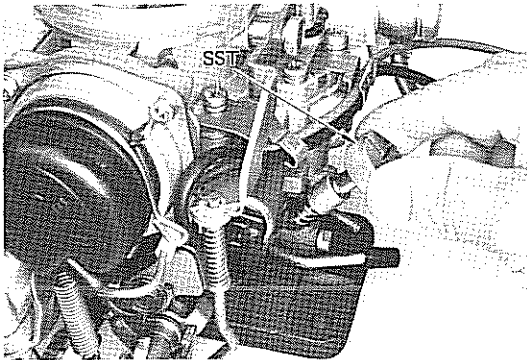


- (2) Depending on vehicle operating conditions, turn the coil housing and adjust the engine starting mixture.

If too rich ..... Turn clockwise.

If too lean ..... Turn counter-clockwise.

Fig. 8-109



## 9. Idle mixture adjusting screw

- Tighten the idle mixture adjusting screw and then unscrew it about three turns.

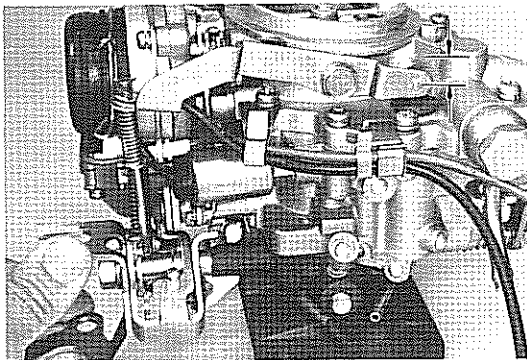
**STD (Reference only):**

**Returned about 3 turns from full closed.**

## – Note –

Be careful not to damage the screw tip by tightening the screw too tightly.

Fig. 8-110



## 10. Accelerating pump

- Adjust the pump stroke by vending part (A).

**STD: 2T, 3T & 3T-C 5.0 mm (0.20 in.)**

**2T-B 3.0 mm (0.12 in.)**

## – Note –

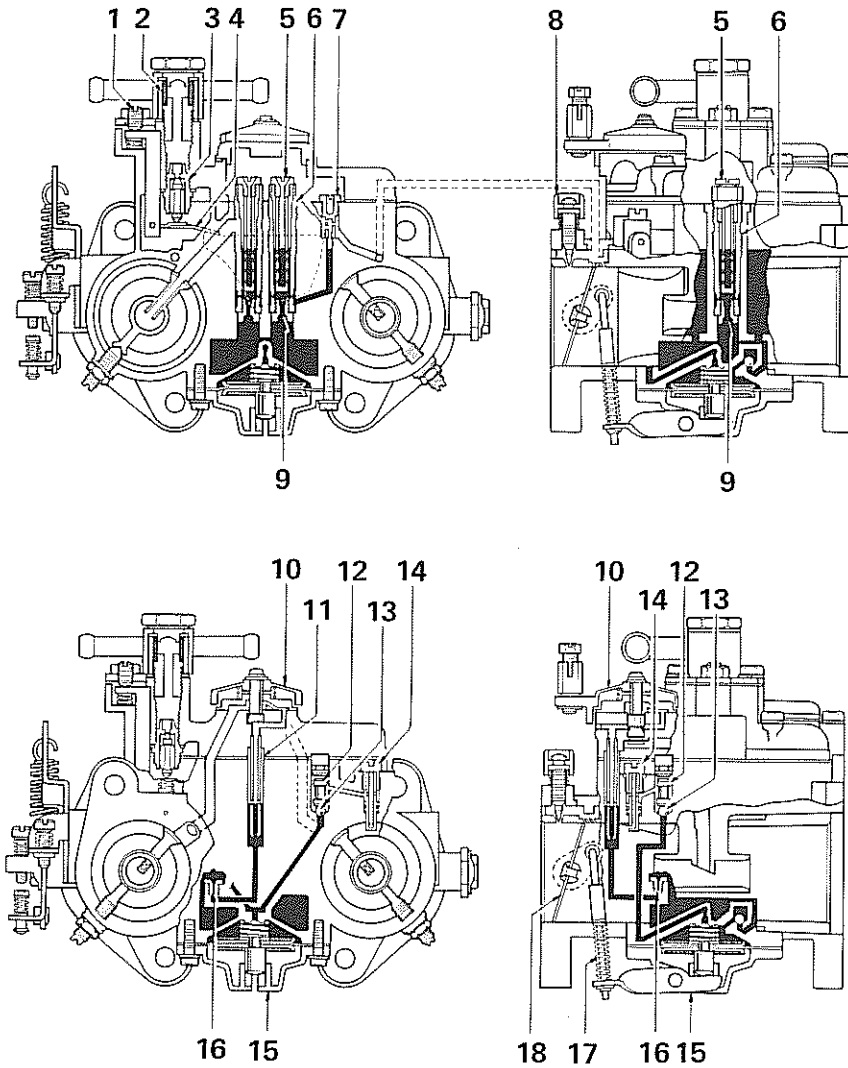
After adjustment, be sure to check the linkage to see that it operates smoothly.



# SOLEX CARBURETOR

## CARBURETOR CIRCUIT

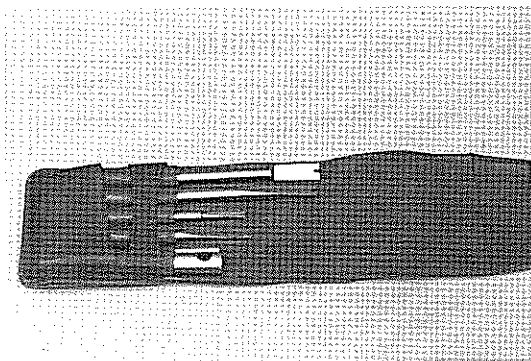
Fig 8-114



- 1. Float Level Adjusting Screw
- 2. Fuel Strainer
- 3. Needle Valve
- 4. Float
- 5. Main Air Bleet Jet
- 6. Main Jet Holder
- 7. Slow Jet
- 8. Idle Mixture Adjusting Screw
- 9. Main Jet

- 10. Starter Disc
- 11. Air Bleed Tube
- 12. Pump Discharge Weight
- 13. Pump Outlet Valve
- 14. Pump Jet
- 15. Accelerating Pump Diaphragm
- 16. Starter Jet
- 17. Pump Connecting Rod
- 18. Throttle Valve

Fig. 8-115



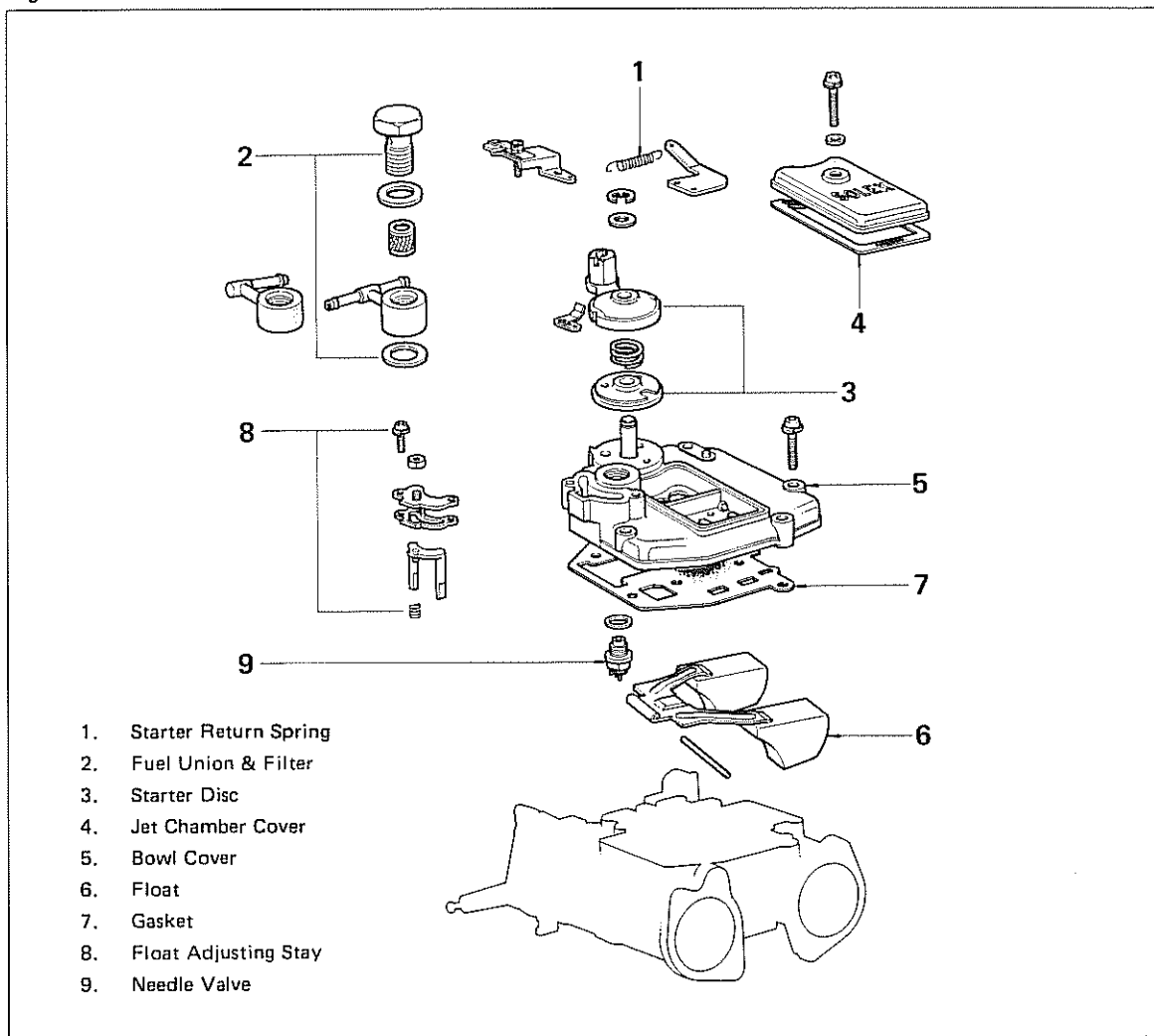
Use SST for carburetor servicing.  
SST[09860-11011]

**DISASSEMBLY**

**Bowl Cover**

Disassemble the parts in the numerical order shown in the figure.

Fig. 8-116



**Body**

Disassemble the parts in the numerical order shown in the figure.

Fig. 8-117

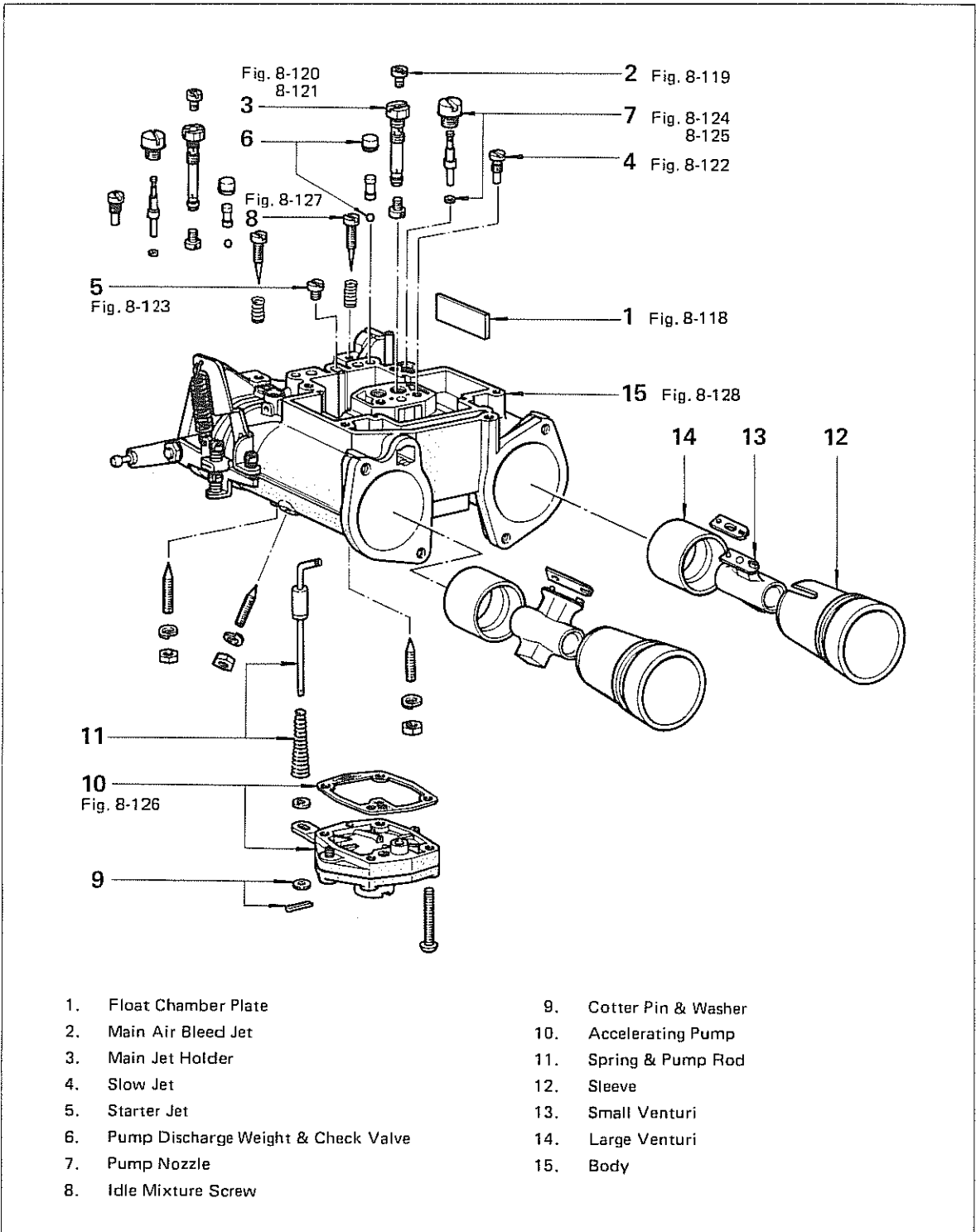
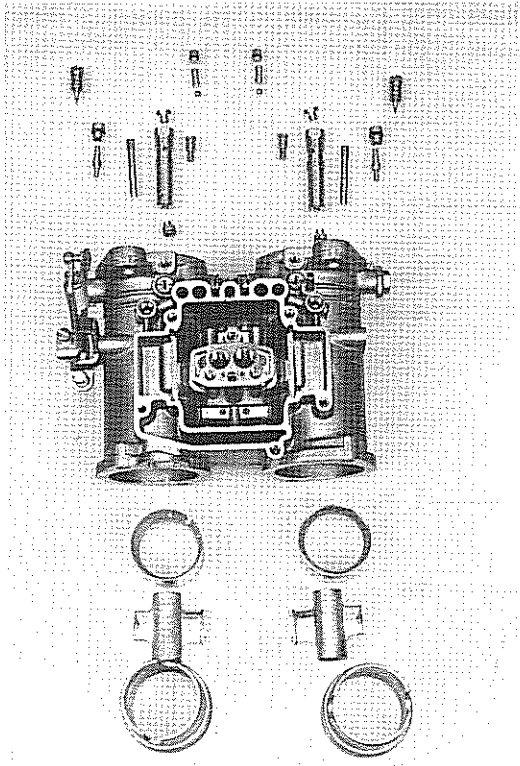
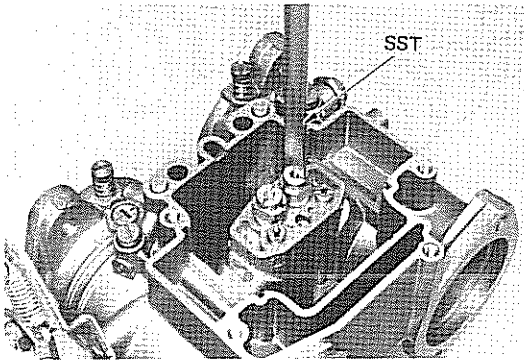


Fig. 8-118



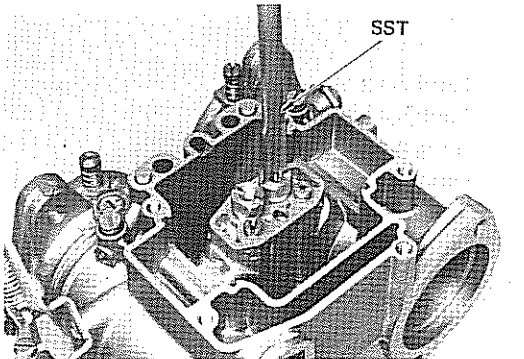
Arrange the parts for the right and left sides in respective order.

Fig. 8-119



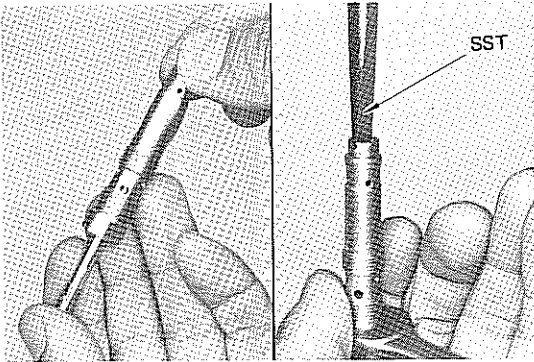
Remove the main air bleed jet with SST.  
SST[09860-11011]

Fig. 8-120



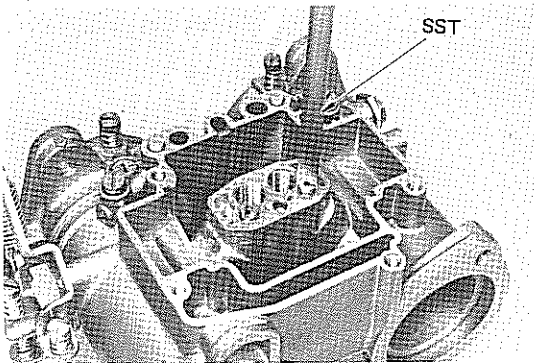
Remove the main jet holder with SST.  
SST[09860-11011]

Fig. 8-121



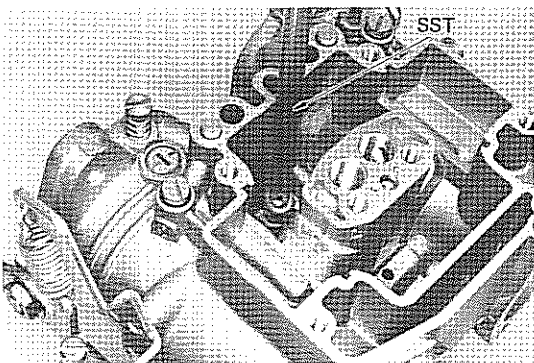
Remove the tube from the main jet holder.  
Remove the main jet with SST.  
SST[09860-11011]

Fig. 8-122



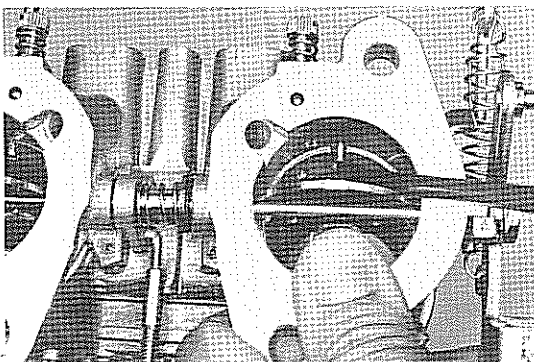
Remove the slow jet with SST.  
SST[09860-11011]

Fig. 8-123



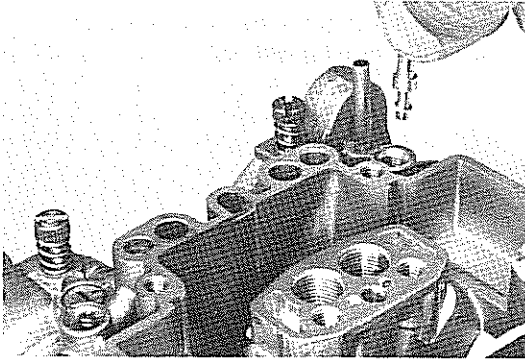
Remove the starter jet with SST.  
SST[09860-11011]

Fig. 8-124



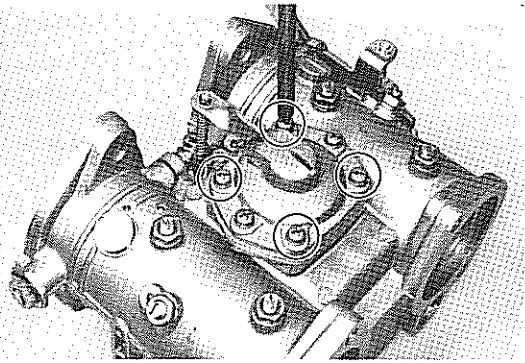
If the starter jet is difficult to remove, push up from the bottom with a screw driver.

Fig. 8-125



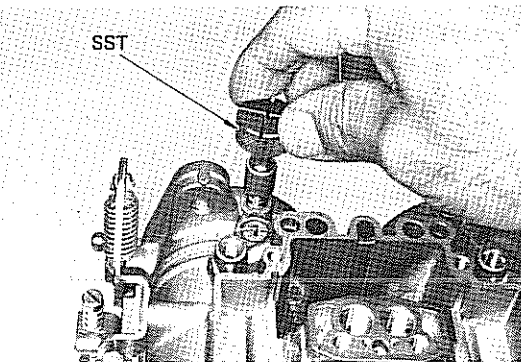
Remove the jet and gasket.

Fig. 8-126



After removing 4 screws, remove the accelerating pump.

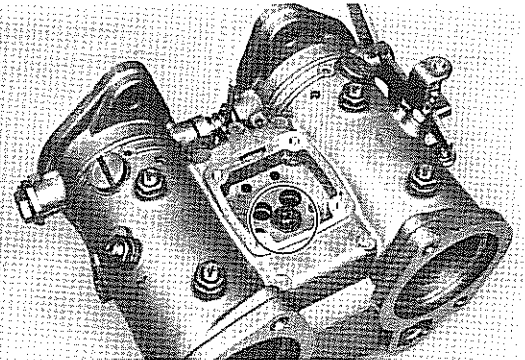
Fig. 8-127



Remove the idle mixture adjusting screw with SST.

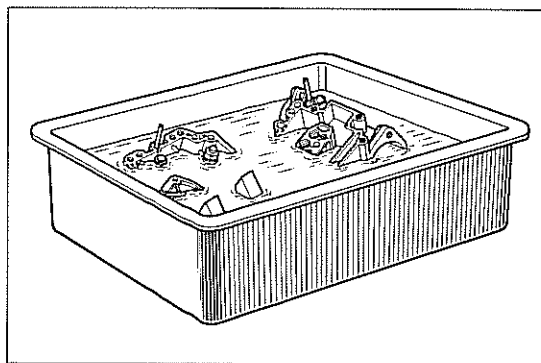
SST [09243-00010] or  
[09243-00020]

Fig. 8-128



Do not remove the screw.

Fig. 8-129

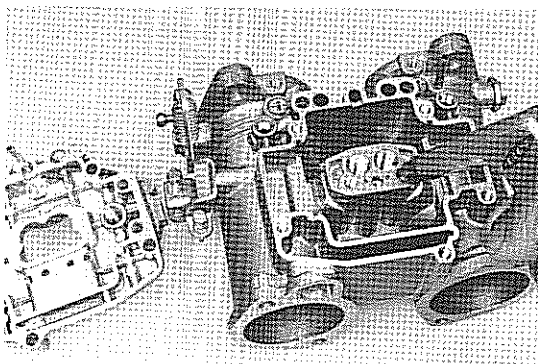


### INSPECTION

— Precaution —

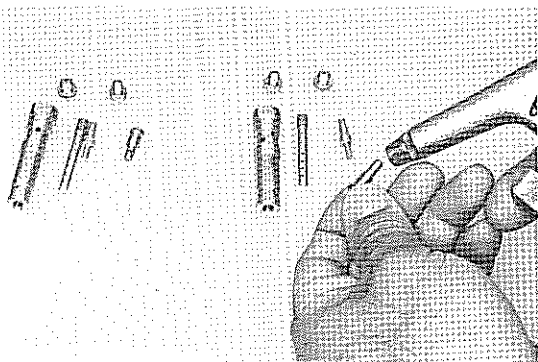
1. Before inspecting the parts, wash them thoroughly in gasoline.

Fig. 8-130



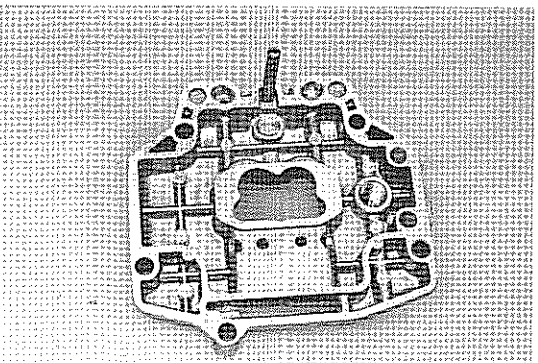
2. Using compressed air, blow all dirt and other foreign matter from the jets and similar parts, and from the fuel passages and apertures in the body.

Fig. 8-131



3. Never clean the jets or orifices with wire or a drill. This could enlarge the openings and result in excessive fuel consumption.

Fig. 8-132

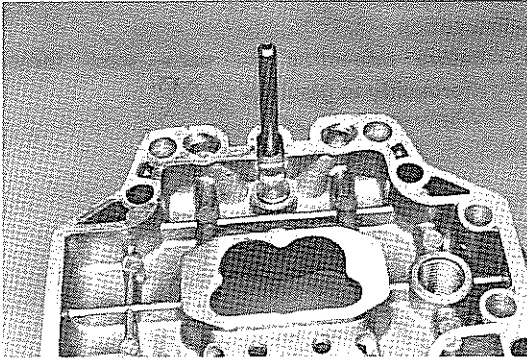


Inspect the following parts and replace any part damaged.

#### Bowl Cover Parts

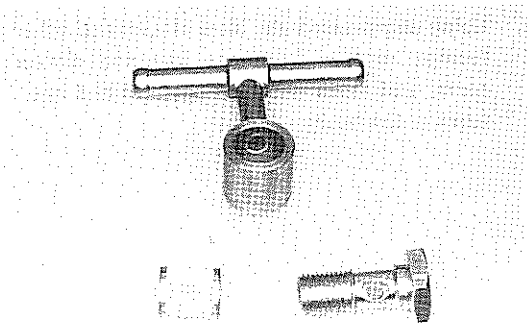
1. Bowl cover: Cracks, damaged threads.

Fig. 8-133



2. Starter pipe: Damaged and/or clogged.

Fig. 8-134

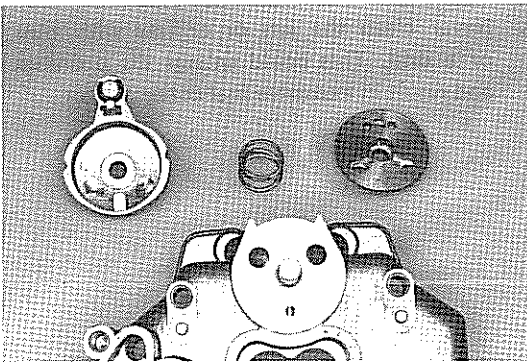


3. Filter: Clogged, rusted, or damaged.

— Note —

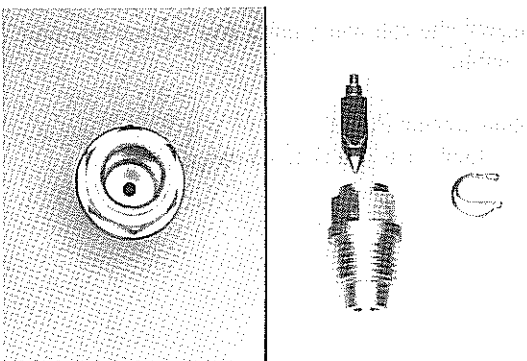
New gasket must always be used whenever the union is removed.

Fig. 8-135



4. Starter disc: Damaged or worn sliding surface.

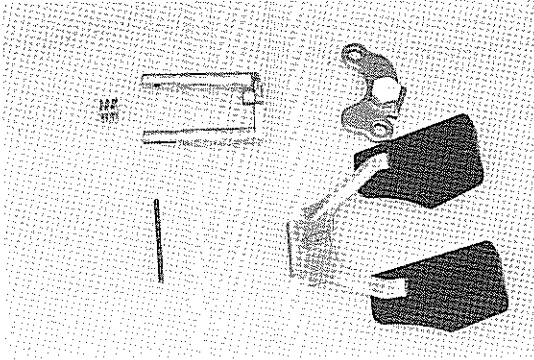
Fig. 8-136



5. Needle valve: Contacting valve seat.

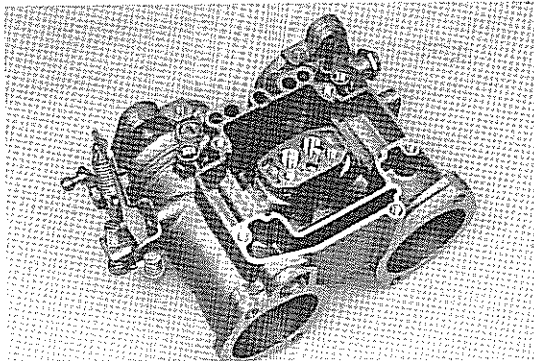


Fig. 8-137



6. Float: Deformed, wear in float lever pin holes, bent float arms.

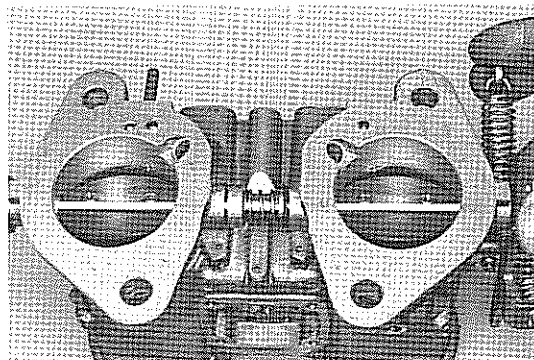
Fig. 8-138



**Body Parts**

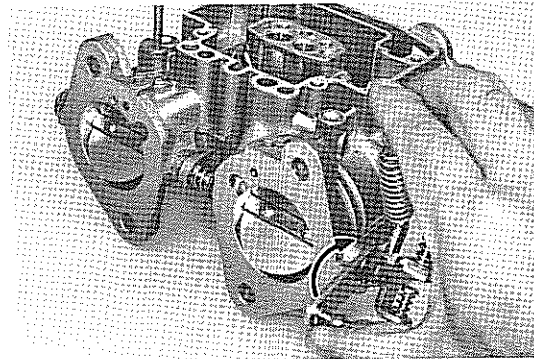
1. Body: Cracks, damaged mounting surfaces and threads, wear on throttle shaft bearings, and carbon adherence.

Fig. 8-139



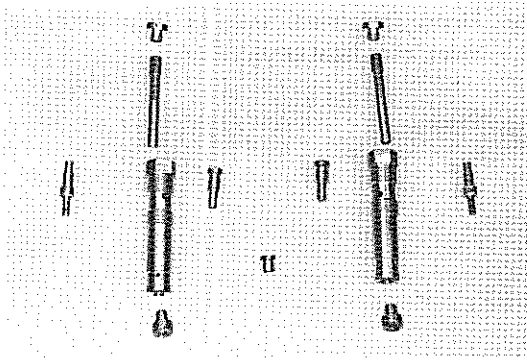
2. Bore: Wear on the throttle valve contacting surface.

Fig. 8-140



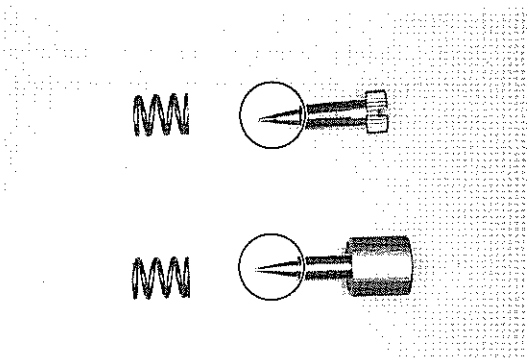
3. Throttle valve movement.

Fig. 8-141



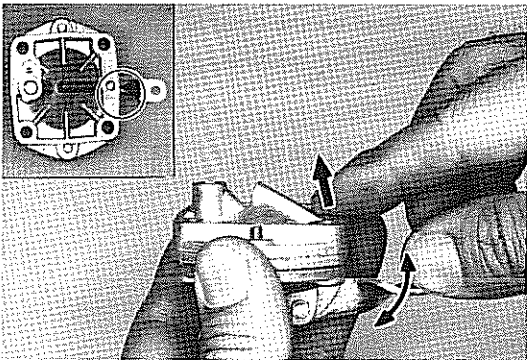
4. Jet: Clogging, damage to contacting surface, threads and screwdriver slots.

Fig. 8-142



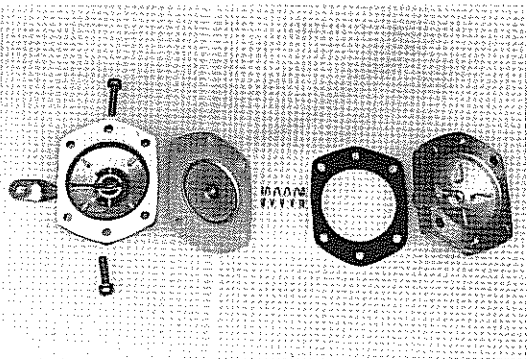
5. Idle mixture adjusting screw: Damage to tapered tip or threads.
6. Pump nozzle: Clogged and/or damaged.

Fig. 8-143



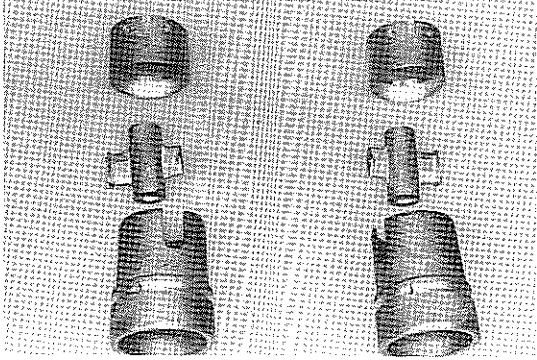
7. With the pump level, work the lever and insure that air is forced through the outlet hole.

Fig. 8-144



8. Pump diaphragm: Damaged.
9. Pump body: Cracks, damaged mounting surfaces.

Fig. 8-145

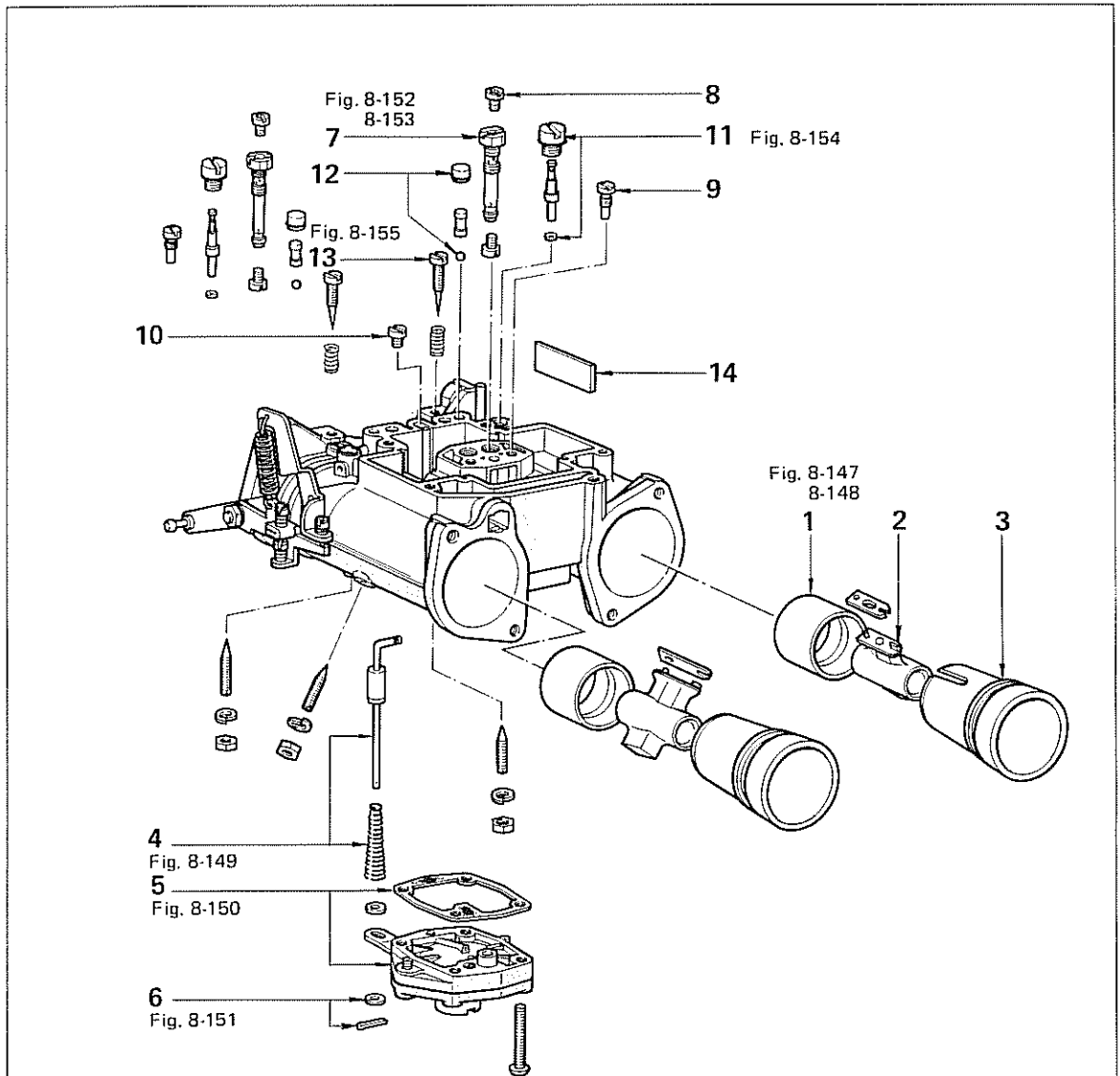


- 10. Venturi
- Damaged
- Small venturi
- Damaged or clogged

**Body**

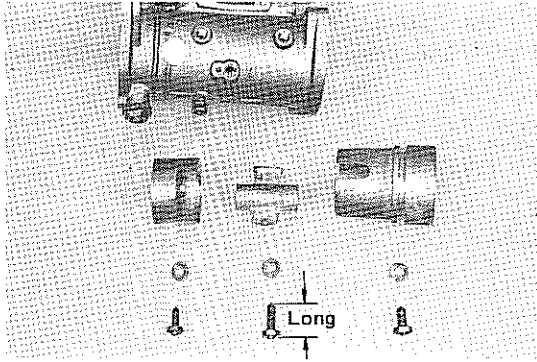
Assemble the parts in the numerical order shown in the figure.

**Fig. 8-146**



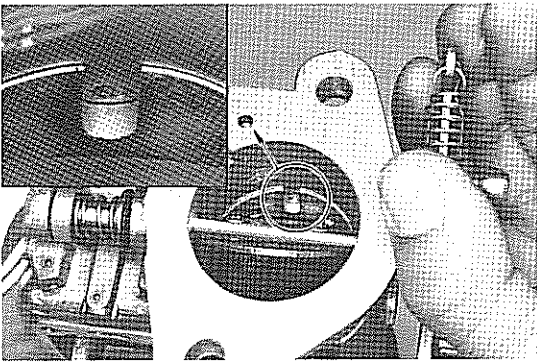
- |                                 |   |
|---------------------------------|---|
| 1. Large Venturi                | 8. Main Air Bleed Jet                   |
| 2. Small Venturi                | 9. Slow Jet                             |
| 3. Sleeve                       | 10. Starter Jet                         |
| 4. Pump Connecting Rod & Spring | 11. Pump Nozzle                         |
| 5. Accelerating Pump Diaphragm  | 12. Pump Discharge Weight & Check Valve |
| 6. Cotter Pin & Washer          | 13. Mixture Adjusting Screw             |
| 7. Main Jet Holder              | 14. Float Chamber Plate                 |

Fig. 8-147



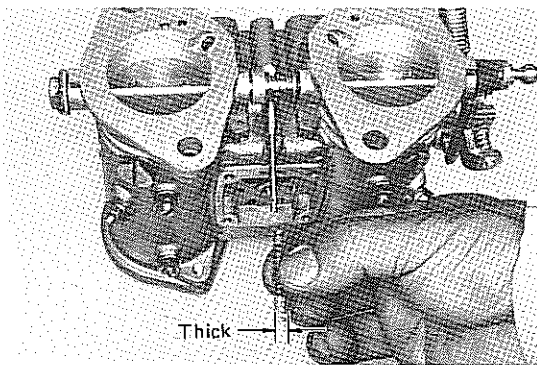
Assemble the small venturi with the long screw.

Fig. 8-148



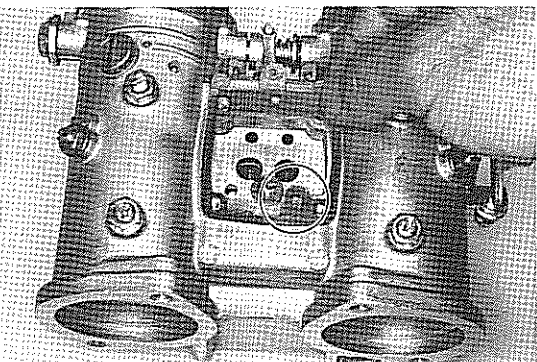
Install the venturi with the accelerator pump nozzle hole in the center of the venturi slit.

Fig. 8-149



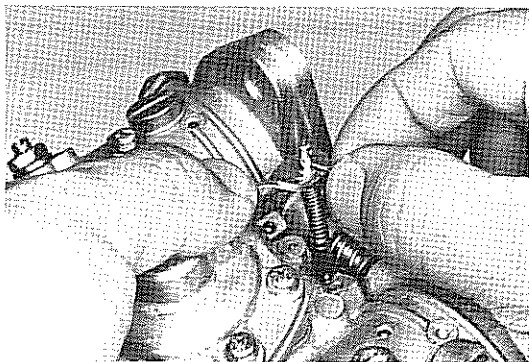
Install the spring in the direction shown in the figure.

Fig. 8-150



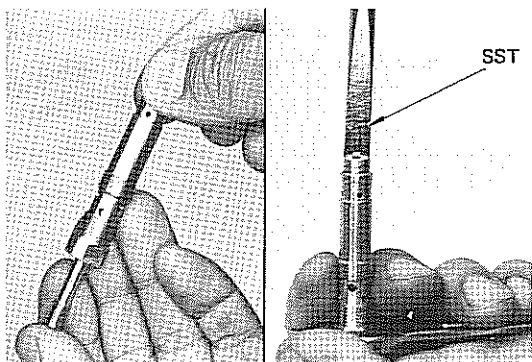
Install the gasket as shown in the figure.

Fig. 8-151



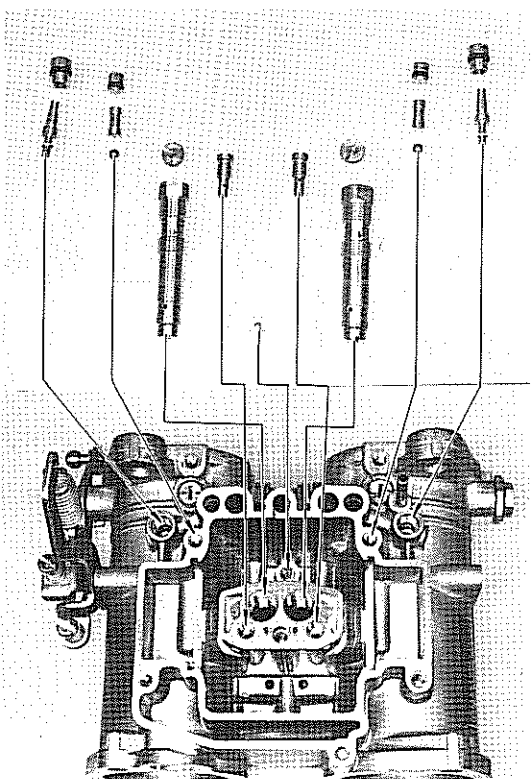
Install the cotter pin in the third hole from the tip of the pump rod.

Fig. 8-152



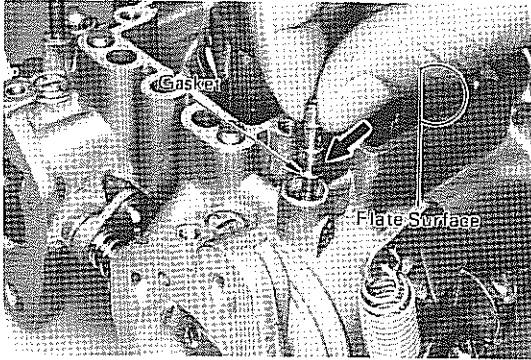
Before installing the main jet holder, assemble the sleeve and main jet into the holder with SST.  
SST[09860-11011]

Fig. 8-153



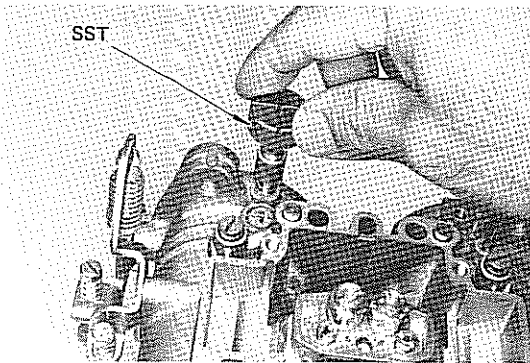
Install the jets, air bleeds, valves and plugs as shown in the figure.

Fig. 8-154



Install the accelerator nozzle with the flat surface facing the intake manifold and with a gasket.

Fig. 8-155



Screw out 1-1/2 turns from the fully closed position.

– Note –

Take care not to mistake the left and right sides.

### Bowl Cover

Assemble the parts in the numerical order shown in the figure.

Fig. 8-156

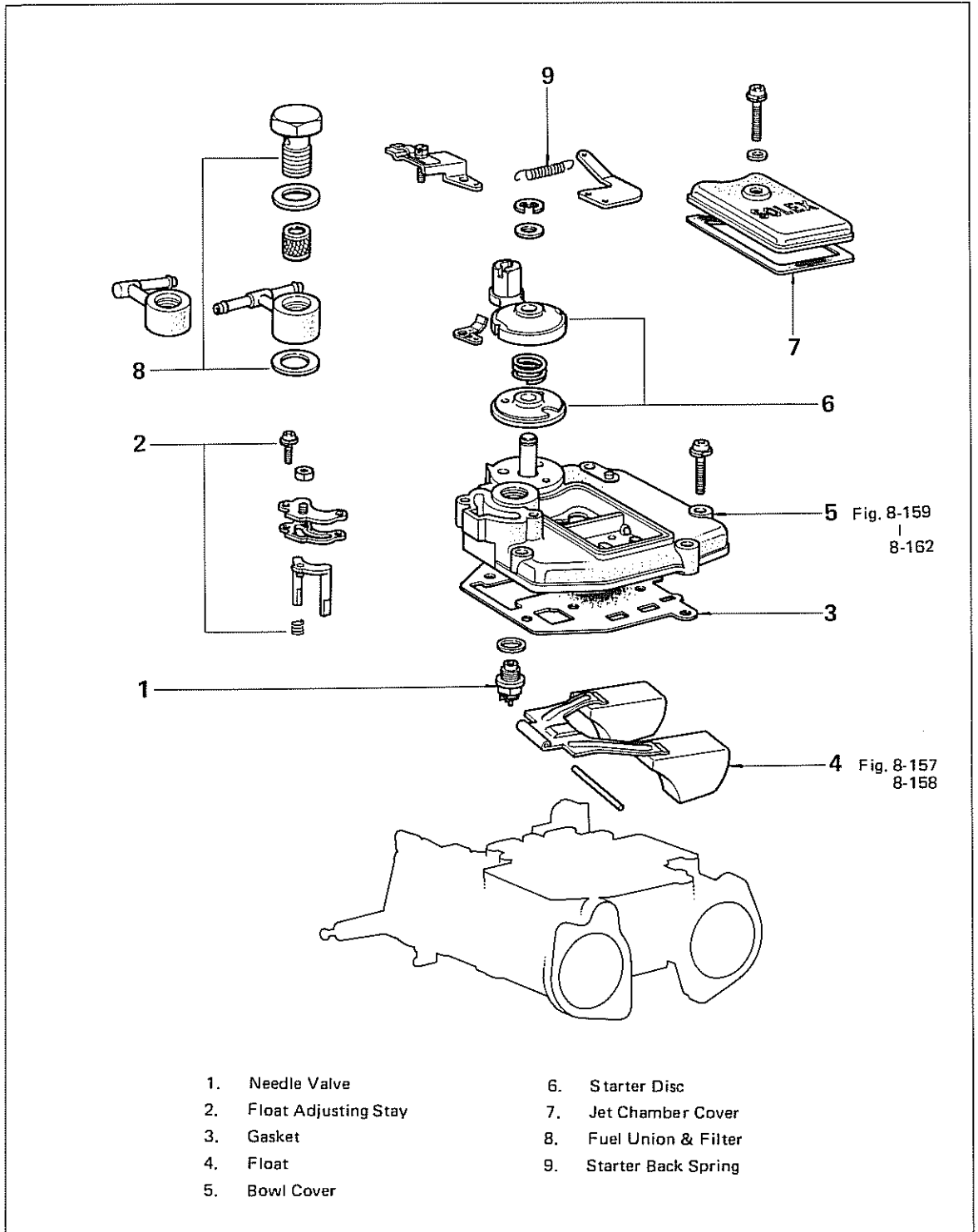
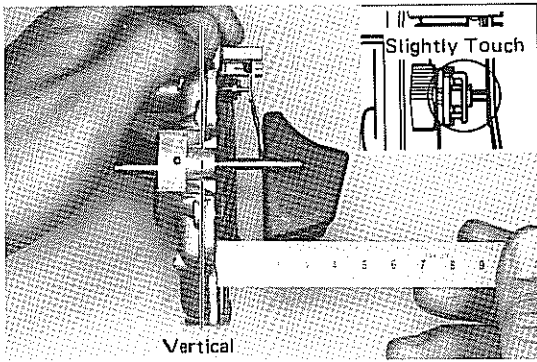




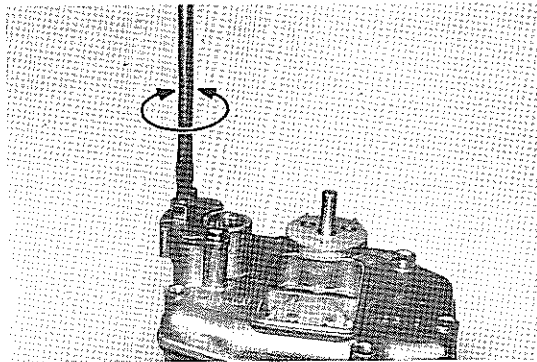
Fig. 8-157



Measure the float position.

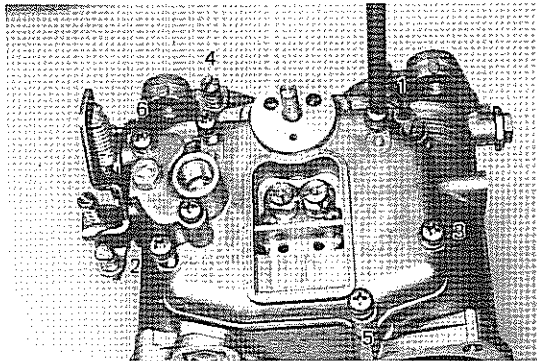
It should be about 16 mm (0.6 in.) from bowl cover lower surface.

Fig. 8-158



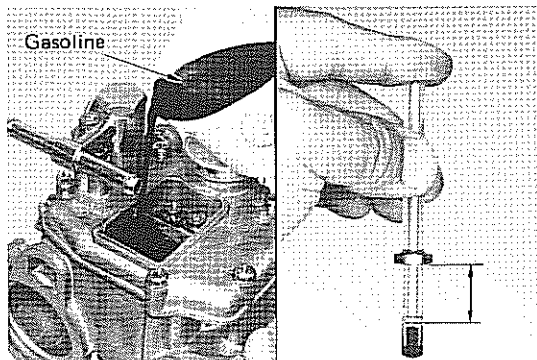
Adjust the float position as shown in the figure, if necessary.

Fig. 8-159



Tighten the screws a little at a time and in diagonal order.

Fig. 8-160

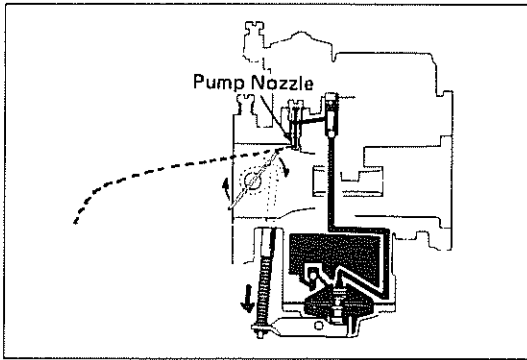


After assembling, check the acceleration pump

1. Remove the bowl cover.
2. Pour gasoline into the carburetor up to the correct level.

Fuel level: 20 – 21 mm  
(0.79 – 0.83 in.)

Fig. 8-161

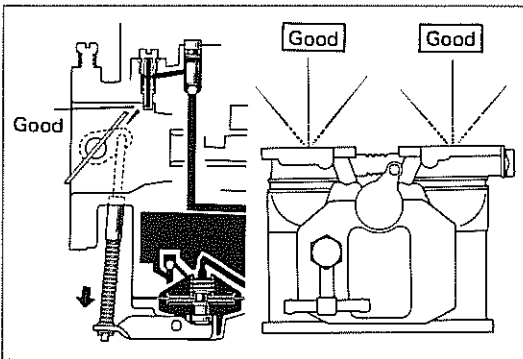


3. Check the fuel discharging time.

**Discharging time:**

**1.1 – 1.7 second**

Fig. 8-162



4. Check the fuel injection direction.