

# Air Intake System

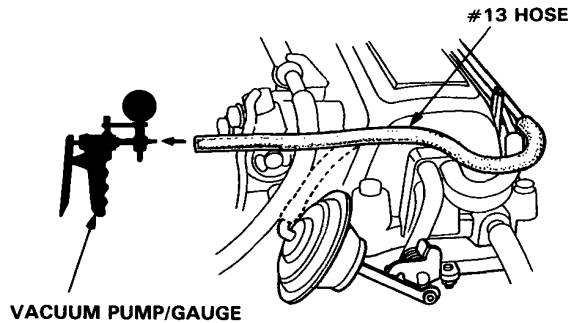
## Bypass Control System

### Troubleshooting Flow Chart

Inspection of Bypass Control System

Start engine and allow to idle.

Remove #13 vacuum hose from the bypass control diaphragm and connect vacuum gauge to the hose.



Is there vacuum ?

NO

Remove #12 vacuum hose from the vacuum tank, then check for vacuum at the tank.

Is there vacuum ?

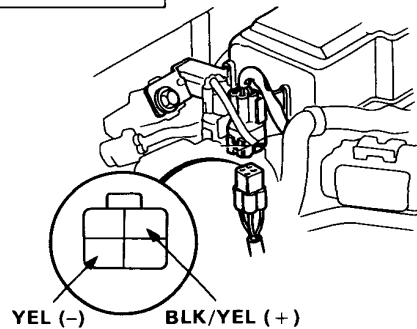
NO

Repair the blockage or vacuum leak between the vacuum tank and the intake manifold.

YES

Disconnect the 4P connector at the control box.

Measure voltage between BLK/YEL (+) terminal and YEL (-) terminal.



Is there battery voltage ?

YES

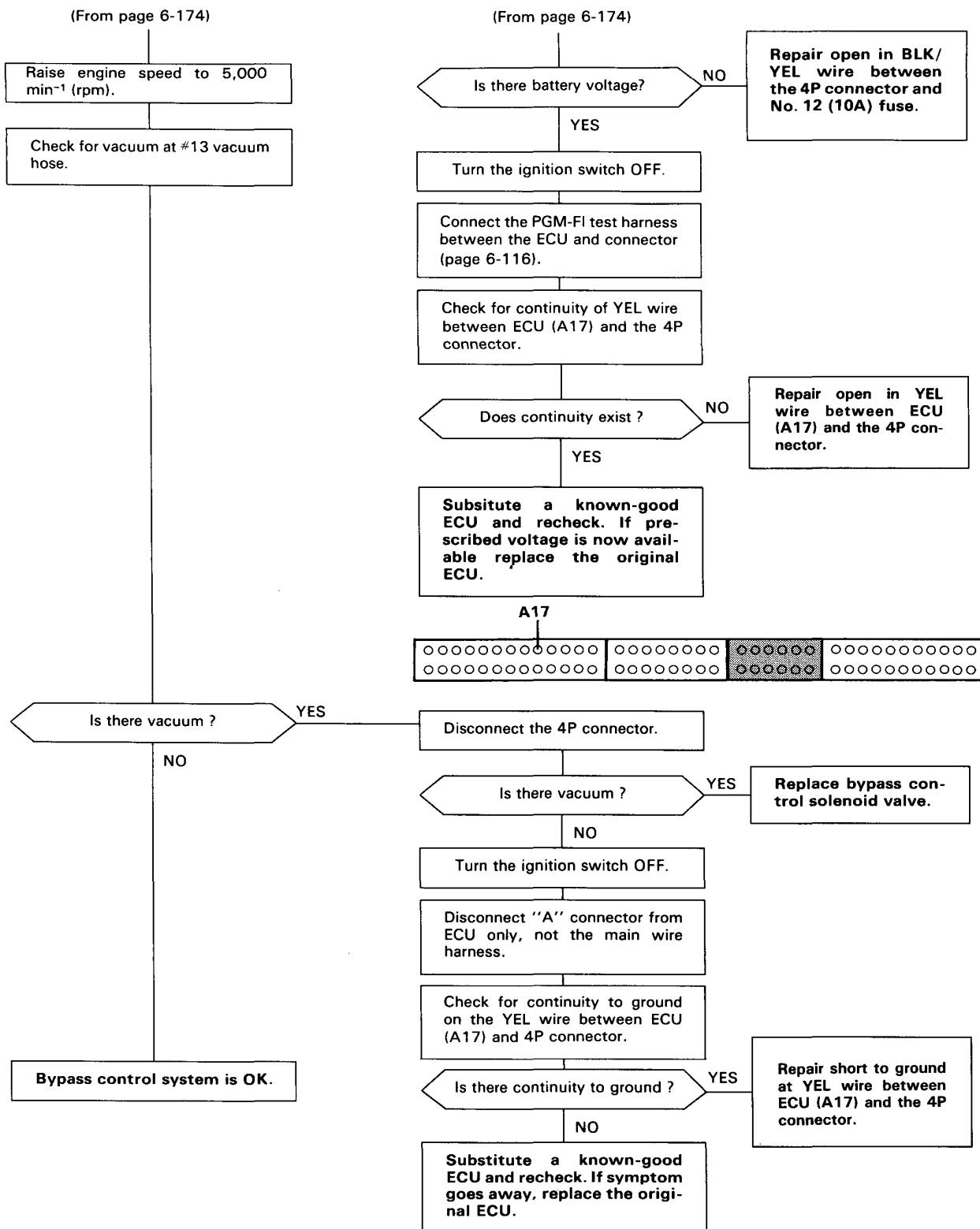
Replace the bypass control solenoid valve.

NO

Measure voltage between BLK/YEL (+) terminal and body ground.

(To page 6-175)

(To page 6-175)



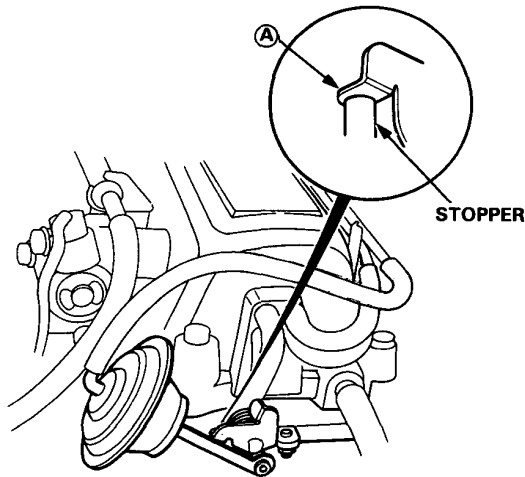
# Air Intake System

## Bypass Valve System

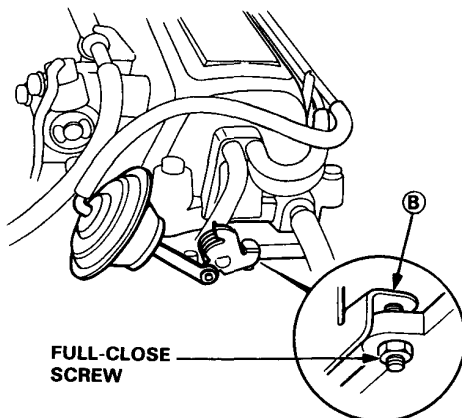
### Testing

**CAUTION:** Do not adjust the bypass valve full-close screw. It was preset at the factory.

1. Check the bypass valve shaft for binding or sticking.
2. Check the bypass valve for smooth movement.
3. Check that Ⓐ of the bypass valve is in close contact with the stopper when the bypass valve is fully open.



4. Check that Ⓑ of the bypass valve is in close contact with the full-close screw when the valve is fully closed.



- If any fault is found, clean the linkage and shafts with carburetor cleaner.
- If the problem still exists after cleaning, disassemble the intake manifold and check the bypass valve (page 6-177).



## Bypass Control System

### Disassembly

