

# Carburetor

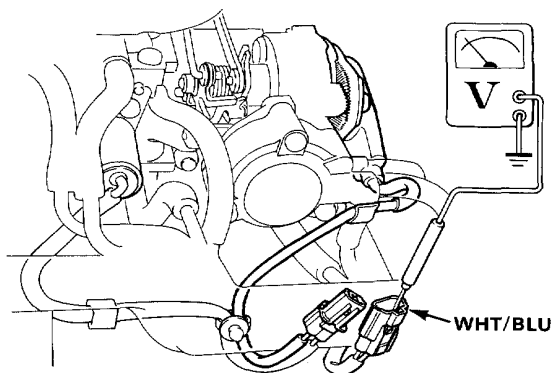
## Choke Coil Heater

### Testing

Start the engine and let it run. As the engine reaches normal operating temperature, the choke valve should fully open:

- If it does, go on to the fast idle unloader test on page 6-89.
- If it doesn't inspect the linkage, and clean or repair it as necessary (page 6-85).
- If the choke still does not open all the way, disconnect the connector, and measure voltage between WHT/BLU (+) terminal and body ground.

There should be battery voltage with the engine running.

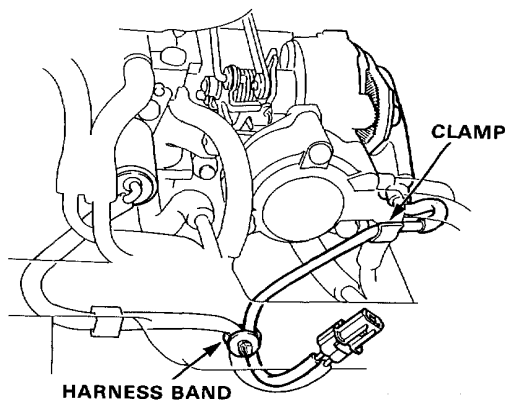


- If there is no voltage, inspect open in WHT/BLU wire between the connector and the alternator. If OK, inspect the alternator (section 16).

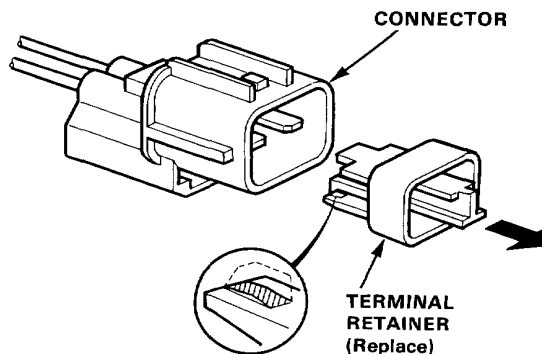
### Replacement

1. Remove the air cleaner.
2. Remove the 2P connector, cut the harness band and disconnect the choke cap harness from clamp.

**CAUTION:** Take care not to apply excessive force on the clamp as it is broken easily.



3. Disconnect the terminal retainer from the connector and remove the two terminals.



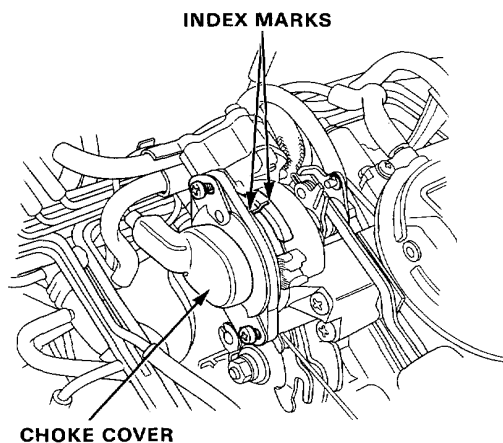


4. KX, KG:  
Using a 5/32" or 4.1 mm diameter drill, drill out the rivets and remove the choke cover.

**CAUTION:** Cover the carburetor with a clean shop rag to prevent chips from falling into the carburetor throat.

Except KX, KG:  
Remove the screws and remove the choke cover.

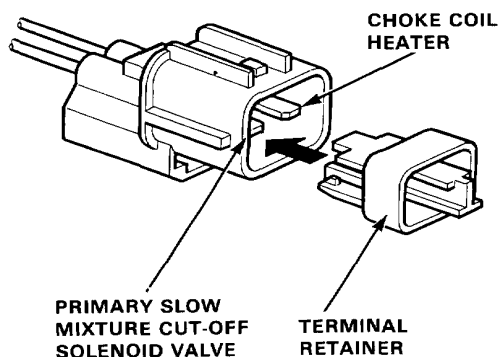
5. Reinstall the cover and adjust it so that index marks align (KX, KG:, then secure it with rivets).



6. Connect the respective terminals to a new connector and install a new terminal retainer.

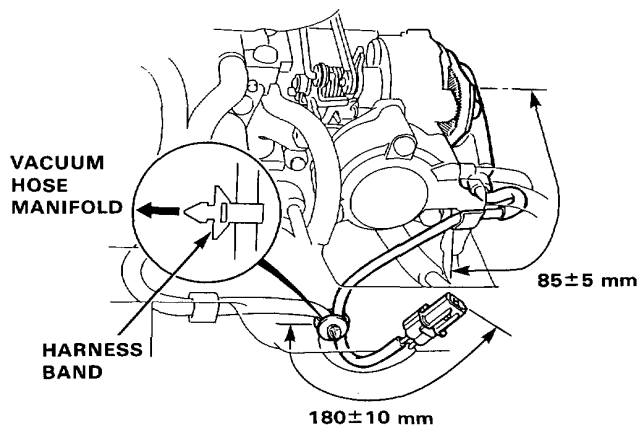
**NOTE:**

- Be sure to connect the terminal before installing the terminal retainer.
- Replace the connector and terminal retainer with the new ones.
- Note the location of the terminal.



7. Secure the harness with the clamp as shown in the drawing and use the harness band to hold the two harnesses together 180 mm from the tip of the connector.

**CAUTION:** Cut off the excess of the harness band and set it on the harnesses so that the tip of the band points to the vacuum hose manifold.



8. Reconnect the connector and reinstall the air cleaner.