

# Idle Control System



## Air Conditioning Signal

This signals the ECM when there is a demand for cooling from the air conditioning system.

### Inspection of Air Conditioning Signal.

#### Check for a short in the circuit:

1. Turn the ignition switch OFF.
2. Disconnect the 12P connector from the cooling fan control unit.
3. Turn the ignition switch ON (II).
4. Measure voltage between ECM connector terminals C2 and A26.

Is there approx. 10 V?

YES

NO

#### Check for a short in the wire:

1. Turn the ignition switch OFF.
2. Disconnect the ECM connector C (12P) from the ECM.
3. Check for continuity between ECM connector terminal C2 and body ground.

Is there continuity?

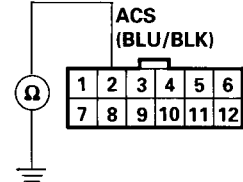
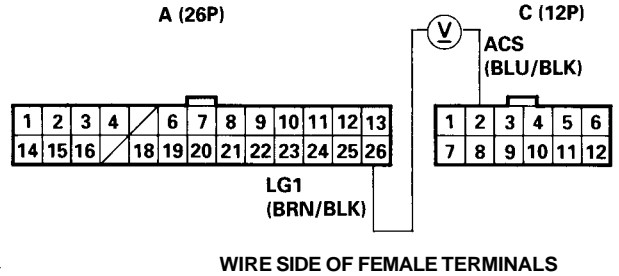
YES

NO

#### Check for an open in the circuit:

1. Turn the ignition switch OFF.
2. Reconnect the 12P connector to the cooling fan control unit.
3. Turn the ignition switch ON (II).
4. Momentarily connect ECM connector terminals A8 to A26 several times with a jumper wire.

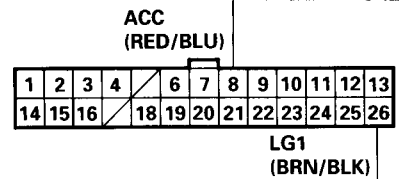
### ECM CONNECTORS



- Repair short in the wire between the ECM (C2) and the cooling fan control unit.
- See the air conditioner inspection (see [section 22](#)).

- Substitute a known-good ECM and recheck. If prescribed voltage is now available, replace the original ECM.
- See the air conditioner inspection (see [section 22](#)).

### JUMPER WIRE



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(cont'd)

# Idle Control System

## Air Conditioning Signal (cont'd)

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