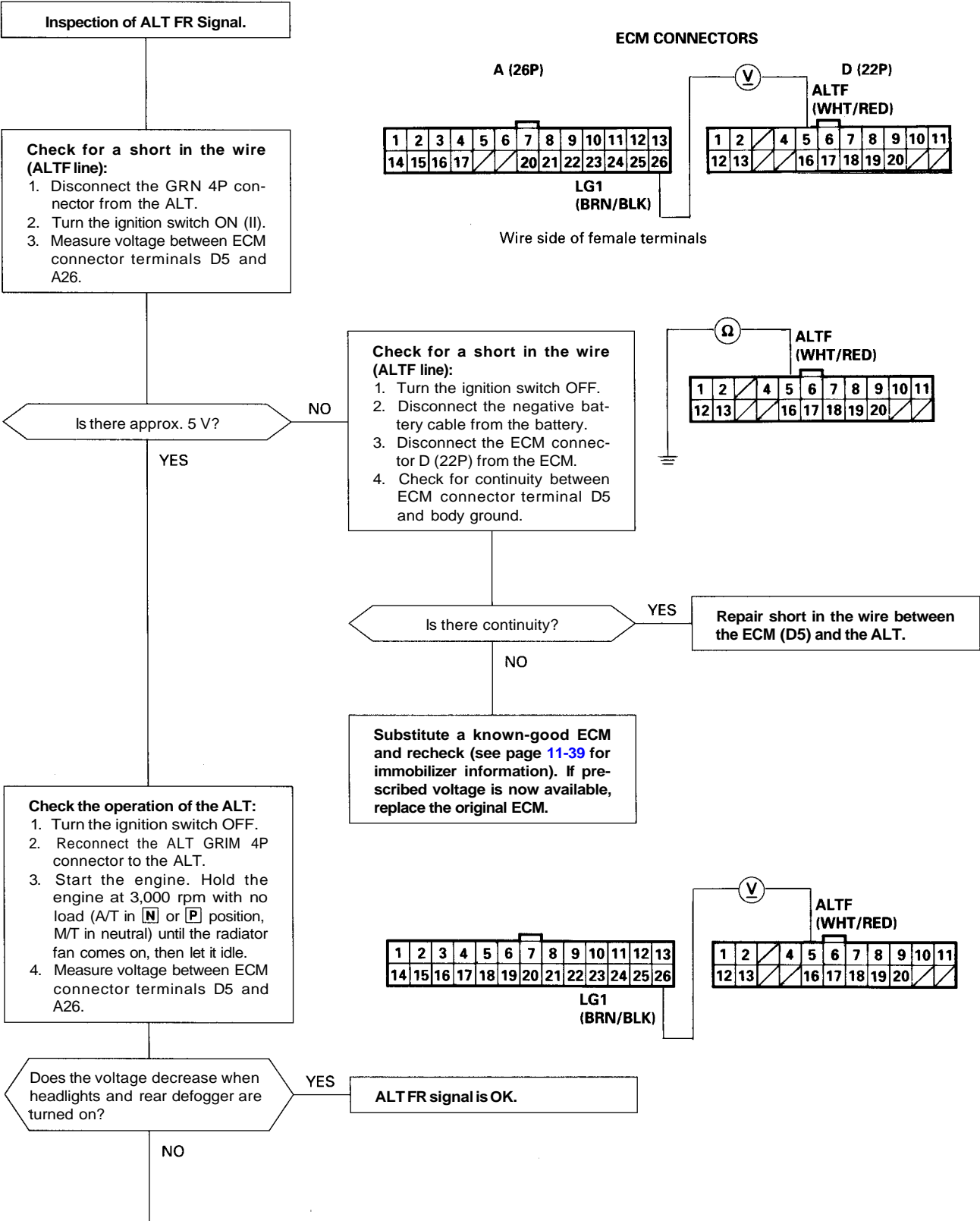


# Idle Control System

## Alternator (ALT) FR Signal

This signals the ECM when the Alternator (ALT) is charging.



(To page 11-121)



(From page 11-120)

**Check for an open in the wire (ALTF line):**

1. Turn the ignition switch OFF.
2. Disconnect the negative battery cable from the battery.
3. Disconnect the ECM connector D (22P) from the ECM.
4. Disconnect the GRN 4P connector from the ALT.
5. Connect No. 2 terminal to body ground with a jumper wire.
6. Check for continuity between ECM connector terminal D5 and body ground.

Is there continuity?

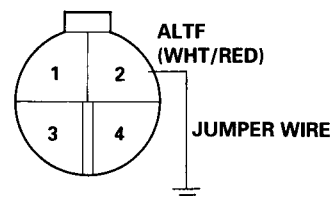
NO

Repair open in the wire between the ECM (D5) and the ALT.

YES

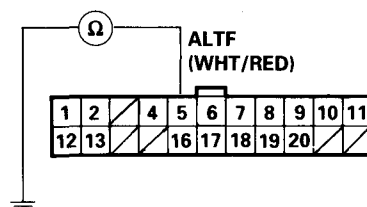
See the ALT inspection (see [section 23](#)).

**ALT GRN 4P CONNECTOR**



Wire side of female terminals

**ECM CONNECTOR D (22P)**



Wire side of female terminals