

## Step 6

Checks for an open in "SET-" circuit.

- Ignition on.
- Press cruise control ON/OFF button to "ON".
- Press cruise "SET-" button in and hold.
- Measure voltage at terminal B of YE56 to ground.

12 VOLTS

## Step 7

Checks for an open in "RES+" circuit.

- Press cruise "RES+" button in and hold.
- Measure voltage at terminal C of YE56 to ground.

0 VOLTS

### THINGS TO CHECK

- \*1. Disconnect cruise control switch assembly. Check continuity between terminals 1 and 2 of switch with "SET-" push button depressed. See Fig. 12E-32.
- If open, replace cruise control switch assembly.
2. Check for open in Blue wire (84).

\*NOTE: ON/OFF button must be "ON".

12 VOLTS

0 VOLTS

## Step 8

Checks for an open or short in vehicle speed circuit.

- Put voltmeter on DC voltage scale.
- Connect voltmeter across pins F and K of connector YE56.
- Ignition on, raise vehicle, put transmission in neutral.
- Spin drive wheels by hand.

### THINGS TO CHECK

1. Disconnect cruise control switch assembly. Check continuity between terminals 2 and 4 of switch with cruise switch in "RES+" position. (ON/OFF button must be "ON").
- If open, replace cruise control switch assembly.
2. Check for open in Grey/Black wire (83).

VOLTAGE VARYING BETWEEN 0 AND 12 VOLTS

RECONNECT CRUISE MODULE CONNECTOR

0 VOLTS

12 VOLTS

STEP 8 — THINGS TO CHECK

## STEP 8 — THINGS TO CHECK

0 VOLTS

1. Check "Speedo" fuse No. 12.
2. Check for open on Violet/White wires (123).

12 VOLTS

1. Check for short to ground on BR/W wires (151).

If wires are O.K., refer to Section 12C INSTRUMENTS, WINDSHIELD WIPERS/WASHERS AND HORN in this Manual for additional speed sensor diagnostics.

## Step 9

Checks for operation of cruise control module

- Start engine.
- Press cruise control ON/OFF button "OFF".
- Press cruise control ON/OFF button "ON" and then wait at least 3 seconds before doing next step.
- Fully depress and hold brake pedal.
- Press cruise "SET-" button in and hold.
- Press cruise "RES+" button in and hold.
- After 10 seconds, release brake pedal while still holding "RES+" and "SET-" buttons and listen for momentary engine RPM increase.

ENGINE RPM INCREASE

NO ENGINE RPM INCREASE

CRUISE MODULE IS O.K.

### THINGS TO CHECK

1. Problem is intermittent.
- Check connectors and wire terminals for contaminants (oil, grease, dirt) and for proper contact.
- Also check ground terminals for contaminants and proper contact. (see ground check below).

### THINGS TO CHECK

1. Check that cruise module linkage is connected and operating freely.
2. Check linkage adjustment.
3. Check terminals in connectors YE56 for contaminants (oil, grease, dirt) and for proper contact.
- If O.K. replace cruise control module.

### "GOOD GROUND" CHECK

- A. Turn ignition on, with cruise control switch to "ON" position. Perform voltage check between suspected bad cruise ground and engine block. Any voltage means ground is bad.
- B. If step "A" fails to locate problem, run a second ground wire from engine block to pin E of cruise module. If second wire corrects problem, then recheck ground path (150) for problem. (Remove second wire after troubleshooting is completed).