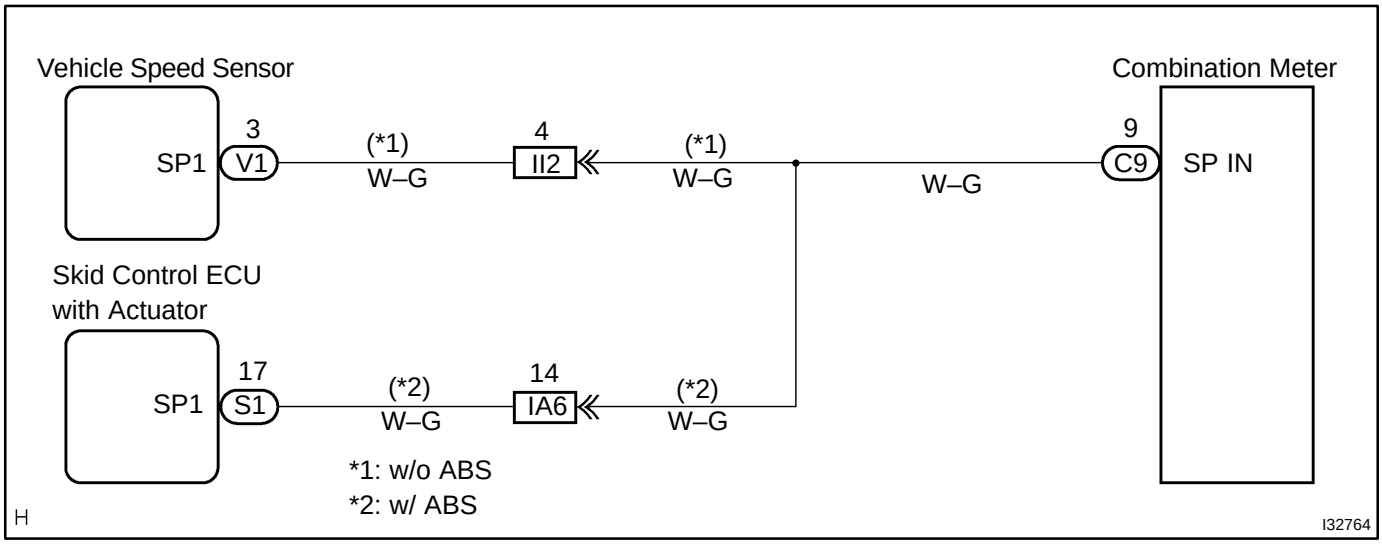
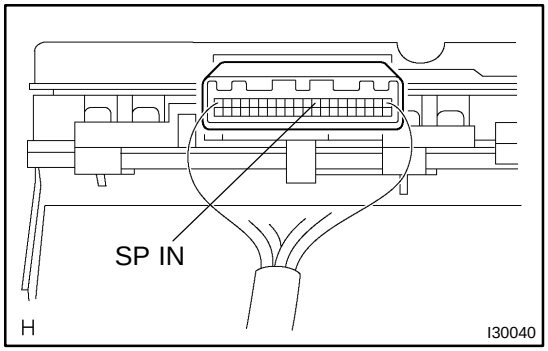
MALFUNCTION IN SPEEDOMETER

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK COMBINATION METER ASSY



(a) Remove the combination meter assy with connector still connected.

(b) Check voltage.

(1) Jack up either of the front wheels.

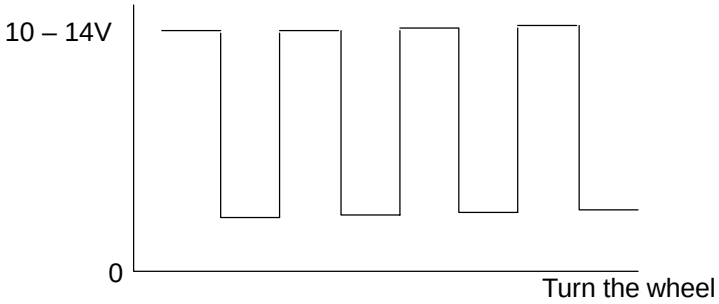
(2) Shift the shift lever to neutral.

(3) Turn the ignition switch to ON.

(4) Measure the voltage between terminals C9–9 of combination meter assy and body ground when front wheel is turning slowly.

Standard voltage:

Voltage is generated intermittently.



Result:

A	B	C
OK	NG (w/ ABS)	NG (w/o ABS)

B → **Go to step 2**

C → **Go to step 3**

A

CHECK AND REPLACE COMBINATION METER ASSY

2 CHECK OBD II SCAN TOOL OR HAND–HELD TESTER

(a) Check output value of skid control ECU.
   (1) Connect the hand–held tester to DLC3.
   (2) Turn the ignition switch to ON and push the hand–held tester main switch ON.
   (3) Select the DATA LIST mode on the hand–held tester.
   (4) Check that there is no difference between the speed value output from the speed sensor displayed by the hand–held tester and the speed value displayed by the speedometer when driving the vehicle.

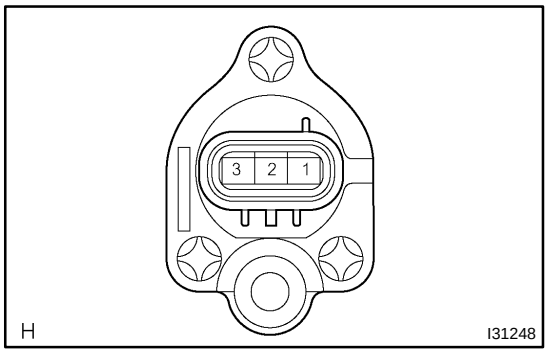
OK: There is almost no difference from the displayed speed value.

NG → **GO TO BRAKE SYSTEM**

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR

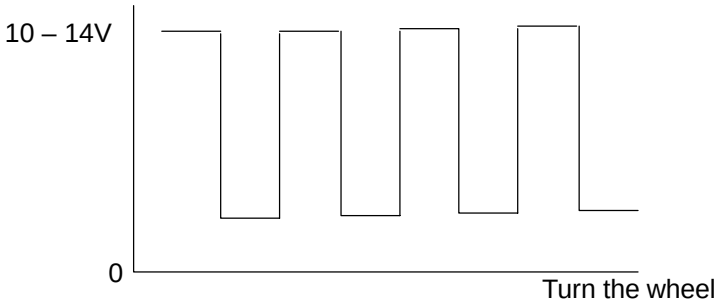
3	INSPECT SPEEDOMETER SENSOR



(a) Check voltage.
(1) Shift the shift lever to neutral.
(2) Jack up either of the front wheel.
(3) Turn the ignition switch to ON.
(4) Measure voltage between terminals 3 and 2 of speed sensor when the front wheel is turning slowly.

Standard voltage:

Voltage is generated intermittently.



NG → **CHECK AND REPLACE SPEEDOMETER SENSOR**

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR