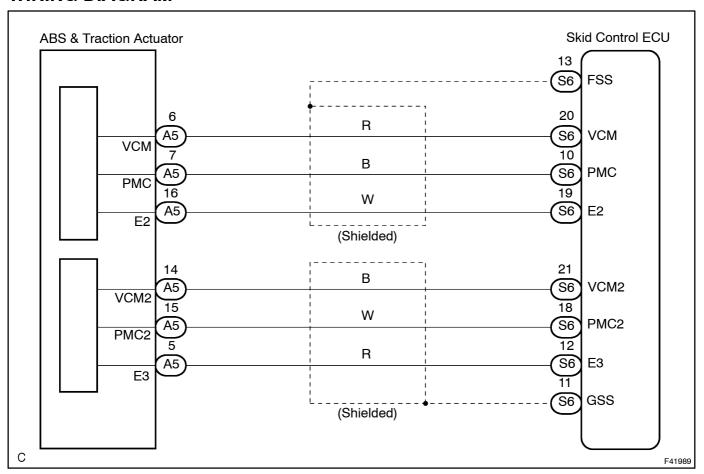
DTC	C1246/46	MALFUNCTION IN MASTER CYLINDER PRESSURE SENSOR
DTC	C1360/61	MALFUNCTION IN COMPARATIVE MASTER CYLINDER PRESSRRE SENSOR

CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1246/46 C1360/61	 Either of the following 1., 2., 3., or 4. is detected: At the vehicle speed of 7 km/h (4 mph) or more, master cylinder pressure sensor does not change continues for 30 sec. Interference occurs 7 times or more for 5 sec. ECU terminal STP is OFF, and the condition that master cylinder pressure sensor voltage becomes more than 0.86 V or less than 0.3 V continues for 5 sec. or more. Master cylinder pressure sensor circuit is open or short for 1.2 sec. or more. 	Master cylinder pressure sensor Master cylinder pressure sensor circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:

Start he inspection from \$\text{tep} in \$\text{ase} fusing he hand-held start from \$\text{tep} 2 in \$\text{ase} for using he hand-held start from \$\text{tep} 2 in \$\text{ase} for using the hand-held start from \$\text{tep} 2 in \$\text{ase} for using the hand-held start from \$\text{tep} 2 in \$\text{ase} for using the final from \$\text{ase} for using \$\text{ase} for using the final from \$\text{ase} for using \$\text{ase}

1 | READ[YALUE[OF[HAND-HELD[TESTER(MASTER[CYLINDER[PRESSURE SENSOR[OUTPUT[YALUE)

- (a) Select[he_item[]MAS[CYL[PRESS[], MAS[CYL[PRESS[2]"[]n[]he_DATA[LIST[and[]tead[its[]yalue[displayed[]he_hand_held[]tester.
- (b) Check[that[the[brake[fluid[bressure[value[bf[the[master[cylinder[bressure[sensor[displayed[bn[the hand-held[tester[ischanging[when[depressing[the[brake[bedal.

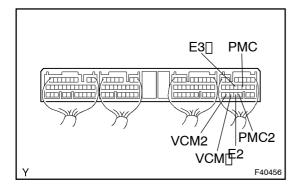
OK:

Brake fluid pressure value must be changing.

OK Go to step 4

NG

2 | INSPECT[\$KID[CONTROL[ECU[ASSY(PMC,[PMC2]TERMINAL[VOLTAGE)



- (a) Install LSPV gauge to the front brake caliper bleeder plug portion, and bleed air from LSPV gauge.
- (b) Start[the]engine]and[depress[the]brake]bedal,[then]check the]relation[between]the]fluid[bressure]and[voltage]bf PMC]and[E2,[PMC2]and[E3]]erminals[bf]the]skid[control ECU]with[connector]still[connected.

OK:

Front[]brake[caliper[]luid[]bressure	Voltage
0[kPa[[0[Kgf/cmf],[D[psi)	0.37 -[0.63[]/
5,883[kPa[[60[kgf/cmf]][3 53[p si)	1.57 -[] .83[]V
11,768[kPa[[120[kgf/cmြို့[],706[þsi)	2.77 – 3.03 V

HINT:

Voltage between terminals VCM and E2, VCM2 and E3: 4.7 – 5.3 V

OK Go to step 4

NG

3

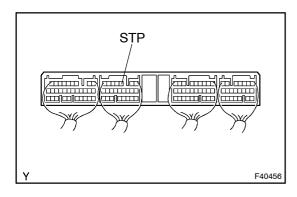
CHECK HARNESS AND CONNECTOR(MASTER CYLINDER PRESSURE SENSOR - [\$KID[CONTROL[ECU[ASSY)(See[page[01-31)])]

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ABS & TRACTION ACTUATOR ASSY

4 CHECK SKID CONTROL ECU TERMINAL VOLTAGE(STP TERMINAL)



- (a) Remove the skid control ECU with connectors still connected.
- (b) Measure voltage between terminal STP of skid control ECU and body ground when brake pedal is depressed.

OK: 8 - 14 V

(c) Measure voltage between terminal STP of skid control ECU and body ground when brake pedal is released.

OK: Below 1.5 V

NG

REPAIR OR REPLACE STOP LAMP SWITCH CIRCUIT



CHECK AND REPLACE SKID CONTROL ECU ASSY