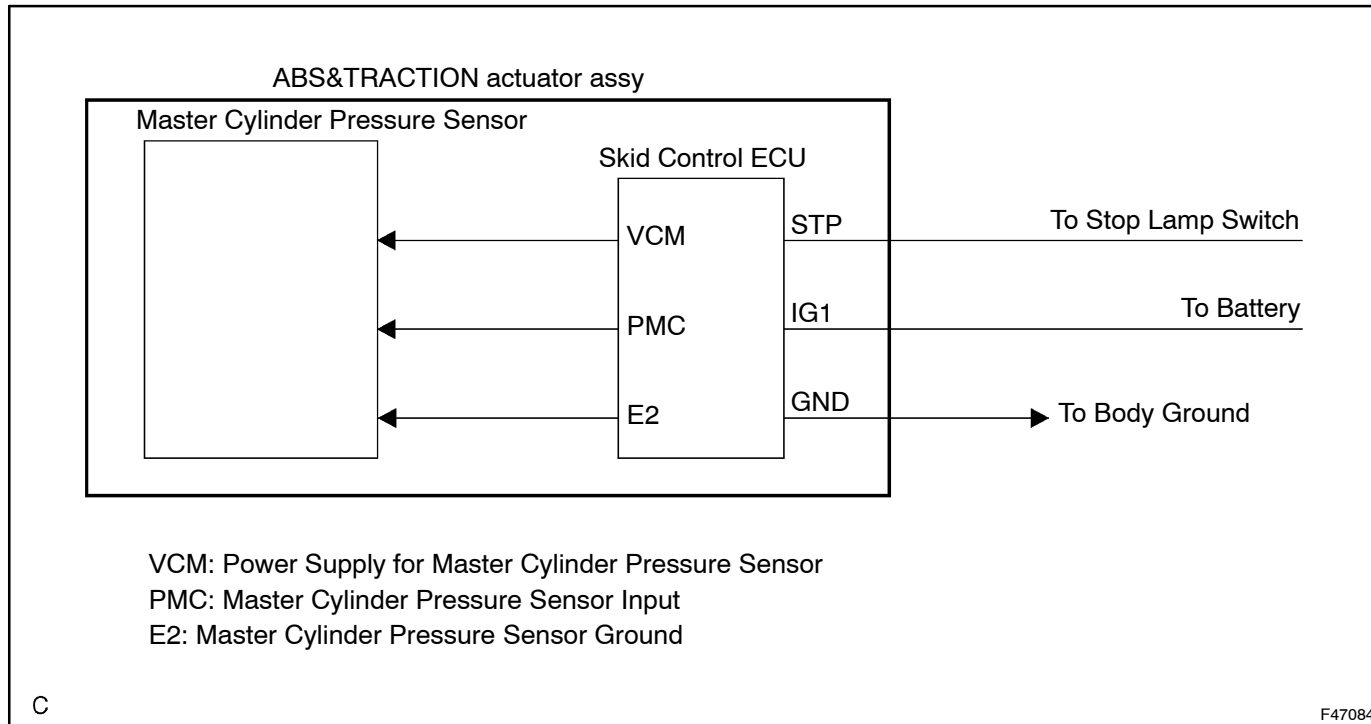


DTC	C1246/46	MALFUNCTION IN MASTER CYLINDER PRESSURE SENSOR
------------	-----------------	---

CIRCUIT DESCRIPTION

Master cylinder pressure sensor is connected to the skid control ECU in the actuator.



DTC No.	DTC Detecting Condition	Trouble Area
C1246/46	<p>When any of the following (1 to 5) is detected:</p> <p>(1) All of the following conditions continue for at least 30 seconds.</p> <ul style="list-style-type: none"> • Vehicle speed is more than 7 km/h (4 mph). • PMC terminal voltage does not change by more than 0.005 V once it exceeds 0.86 V. <p>(2)</p> <ul style="list-style-type: none"> • PMC terminal receives interference at least 7 times within 5 sec. <p>(3) All of the following conditions continue for at least 1.2 seconds.</p> <ul style="list-style-type: none"> • Stop switch is OFF. • PMC terminal voltage is more than 0.86 V or less than 0.3 V. <p>(4) All of the following conditions continue for at least 1.2 sec.</p> <ul style="list-style-type: none"> • IG1 terminal voltage is between 9.5 and 17.2 V. • VCM terminal voltage is not within 4.4 and 5.6 V. <p>(5) All of the following conditions continue for at least 1.2 sec.</p> <ul style="list-style-type: none"> • VCM terminal voltage is between 4.4 and 5.6 V. • PMC terminal voltage is not within 0.14 and 4.85 V. 	<ul style="list-style-type: none"> • Master cylinder pressure sensor • Master cylinder pressure sensor circuit • Stop lamp circuit

INSPECTION PROCEDURE

1 READ VALUE OF INTELLIGENT TESTER (MASTER CYLINDER PRESSURE SENSOR)

- (a) Connect the intelligent tester to the DLC3.
 (b) Start the engine.
 (c) Select the DATA LIST mode on the intelligent tester.

Item	Measurement Item / Range (Display)	Normal Condition
Master Cylinder Sensor	Master cylinder pressure sensor reading / min.: 0 V, max.: 5 V	When brake pedal is released 0.3 to 0.9 V

- (d) Check that the brake fluid pressure value of the master cylinder pressure sensor observed in the intelligent tester changes when the brake pedal is depressed.

OK:

When the pedal is depressed, displayed voltage on the intelligent tester increases.

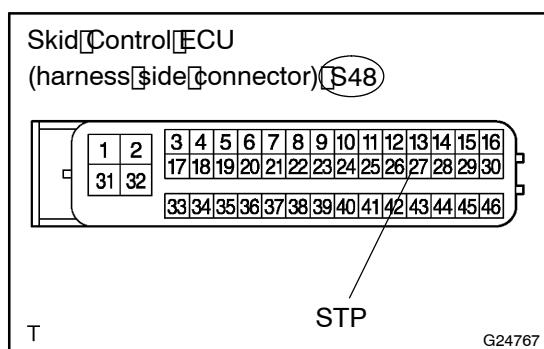
NG Go to step 2

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-53)

NOTICE:

When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05-387).

2 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE (STP TERMINAL)

- (a) Disconnect the skid control ECU connector.
 (b) Measure the voltage according to the value(s) in the table below.

Standard:

Tester Connection	Switch Condition	Specified Condition
S48-27 (STP) - Body Ground	Brake pedal depressed	8 to 14 V
S48-27 (STP) - Body Ground	Brake pedal released	Below 1 V

NG CHECK AND REPLACE STOP LIGHT SWITCH CIRCUIT

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-53)

NOTICE:

When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05-387).