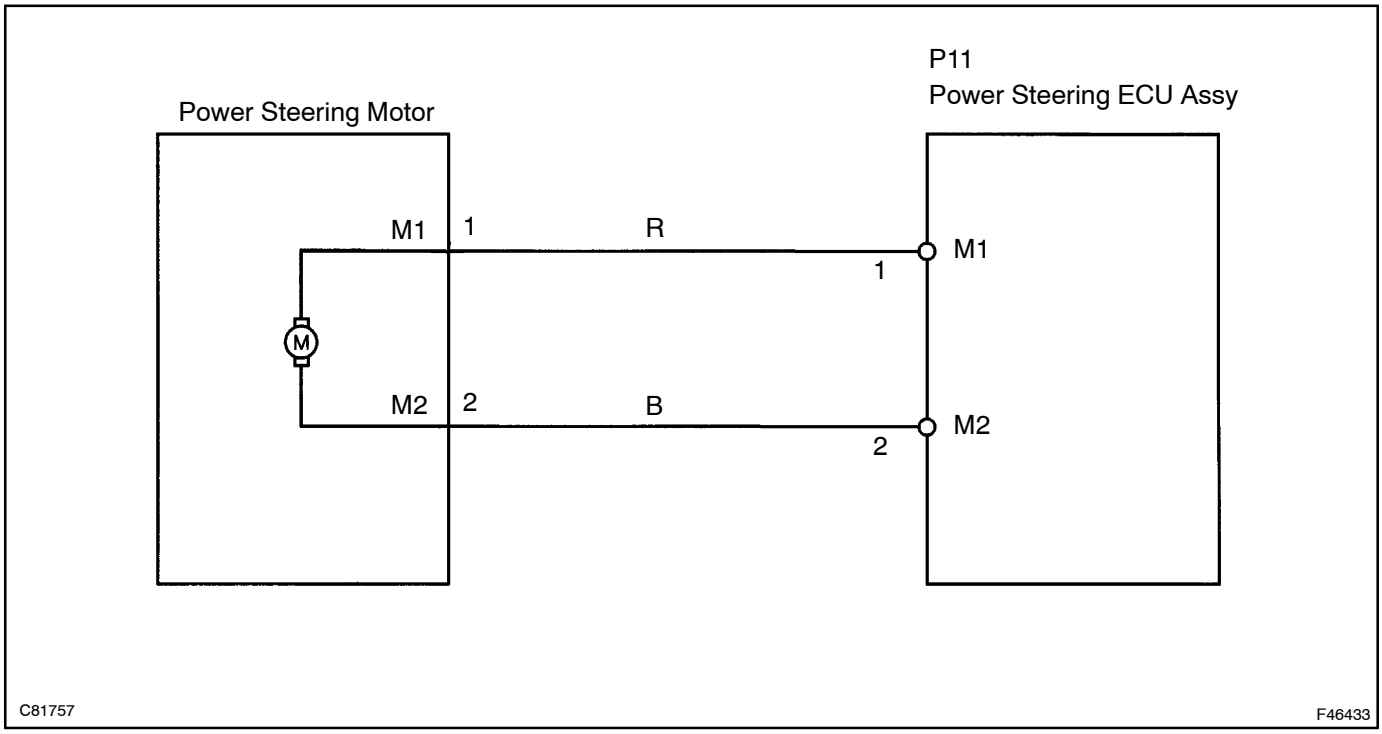
DTC	C1524	MOTOR ABNORMAL

CIRCUIT DESCRIPTION

The power steering ECU assy supplies current to the power steering motor through this circuit.

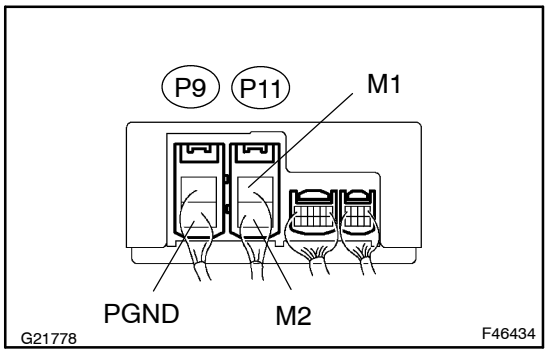
DTC No.	DTC Detection Item	Trouble Area
C1524	Voltage error between motor terminals	• Power steering motor • Power steering ECU assy

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT POWER STEERING ECU ASSY



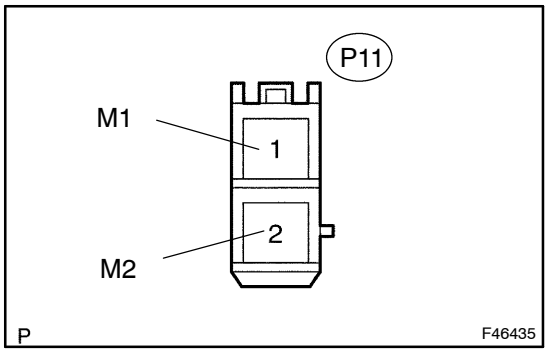
(a) Turn the power switch on (IG).
(b) Measure the voltage according to the value(s) in the table below.
Standard:

Tester Connection	Condition	Specified Condition
P11–1 (M1) – P9–2 (PGND)	The steering wheel is turned to the left.	Below 1 V
P11–1 (M1) – P9–2 (PGND)	The steering wheel is turned to the right.	10 to 16 V
P11–2 (M2) – P9–2 (PGND)	The steering wheel is turned to the left.	10 to 16 V
P11–2 (M2) – P9–2 (PGND)	The steering wheel is turned to the right.	Below 1 V

NG → **REPLACE POWER STEERING ECU ASSY (SEE PAGE 50–17)**

OK

2 INSPECT POWER STEERING MOTOR ASSY



(a) Tune the power switch off.
(b) Disconnect the "P9" connector from the power steering ECU assy.
(c) Measure the resistance according to the value(s) in the table below.
Standard:

Tester Connection	Condition	Specified Condition
P11–1 (M1) – P11–2 (M2)	Always	0.04 to 0.1 Ω
P11–1 (M1) – Body ground	Always	10 kΩ or higher
P11–2 (M2) – Body ground	Always	10 kΩ or higher

NG → **REPLACE POWER STEERING MOTOR ASSY (SEE PAGE 50–8)**

OK

REPLACE POWER STEERING ECU ASSY (SEE PAGE 50–17)