

Power window master switch circuit

CIRCUIT DESCRIPTION

Each terminal sends the following information to the Driver Door ECU.

Terminal name	Switch name
ML, MUL	Door lock manual switch
AUTO, MUP, MDN	Driver door power window switch
WLSW	Window lock switch
DT1, DT2, DT3, SC1, SC2, SC3	Passenger, rear LH and RH door power window switch

WLSW:

Pressing the window lock switch of the master switch sends a signal to the ECU. This cuts the electricity to switches of the passenger, rear LH and RH door power windows, which forbids the power window control system operation with these switches.

DT1, DT2, DT3, SC1, SC2, SC3:

The Driver Door ECU distinguishes UP, DOWN and AUTO positions of the power window in the passenger and rear LH and RH door according to the combination matrix of terminals.

Passenger door DOWN position

Terminal	SC1	SC2	SC3
DT1	ON	OFF	OFF

Passenger door UP position

Terminal	SC1	SC2	SC3
DT1	OFF	ON	OFF

Passenger door AUTO position

Terminal	SC1	SC2	SC3
DT1	OFF	OFF	ON

Rear left door DOWN position

Terminal	SC1	SC2	SC3
DT2	ON	OFF	OFF

Rear left door UP position

Terminal	SC1	SC2	SC3
DT2	OFF	ON	OFF

Rear left door AUTO position

Terminal	SC1	SC2	SC3
DT2	OFF	OFF	ON

Rear right door DOWN position

Terminal	SC1	SC2	SC3
DT3	ON	OFF	OFF

Rear right door UP position

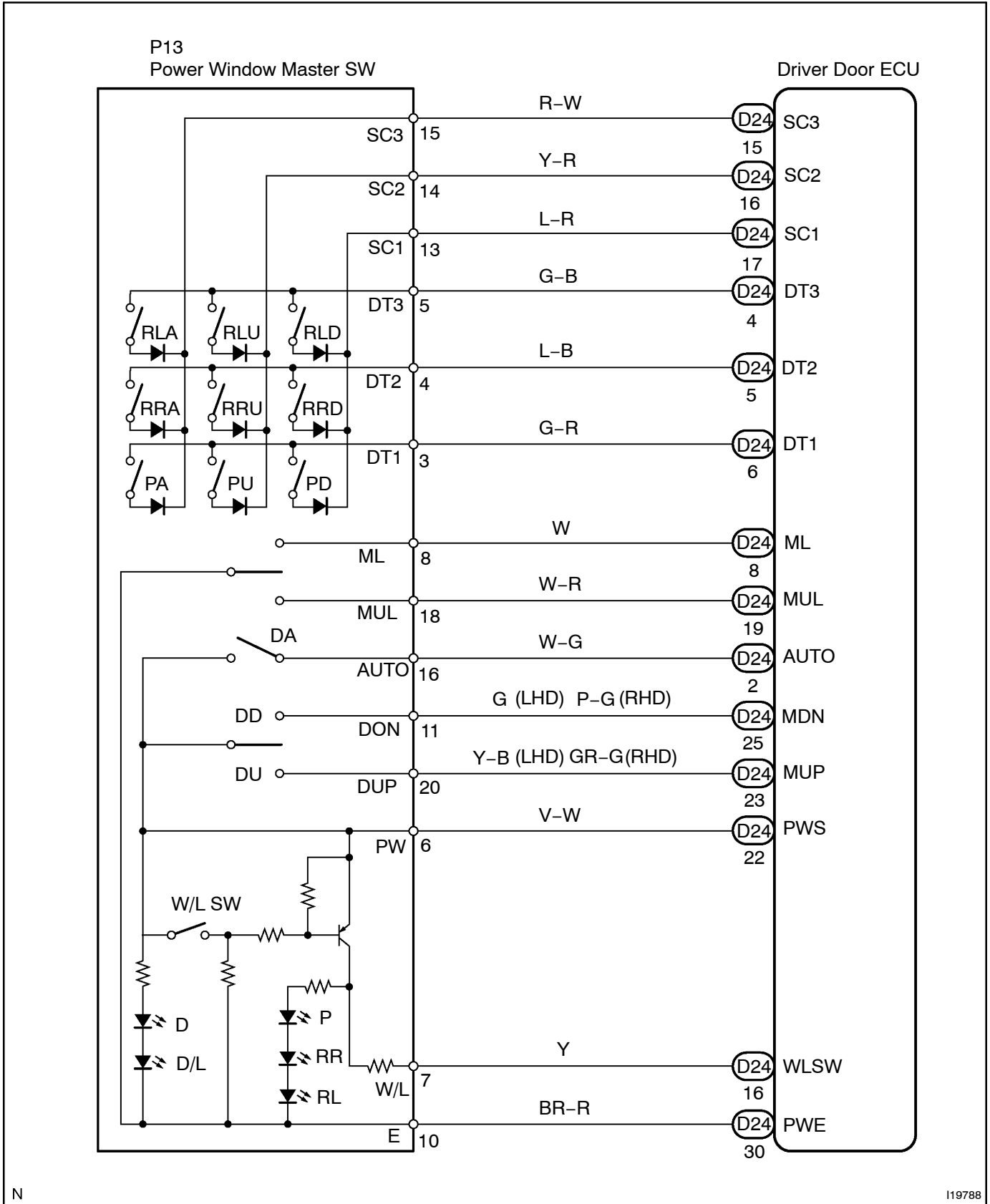
Terminal	SC1	SC2	SC3
DT3	OFF	ON	OFF

Rear right door AUTO position

Terminal	SC1	SC2	SC3
DT3	OFF	OFF	ON

DTC No.	DTC Detecting Condition	Trouble Area
B1221	<ul style="list-style-type: none">• Malfunction of power window switch• Open or short of power window switch circuit	<ul style="list-style-type: none">• Power window switch• Wire harness• Driver door control ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check power window master switch circuit using DTC check (See page DI-1200).

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI-1197).

NG

2 Check the power window master switch (See page BE-85).

NG

Replace power window master switch.

OK

3 Check wire harness and connector between power window master switch and driver door ECU (See page IN-35).

NG

Repair or replace wire harness or connector.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI-1197).