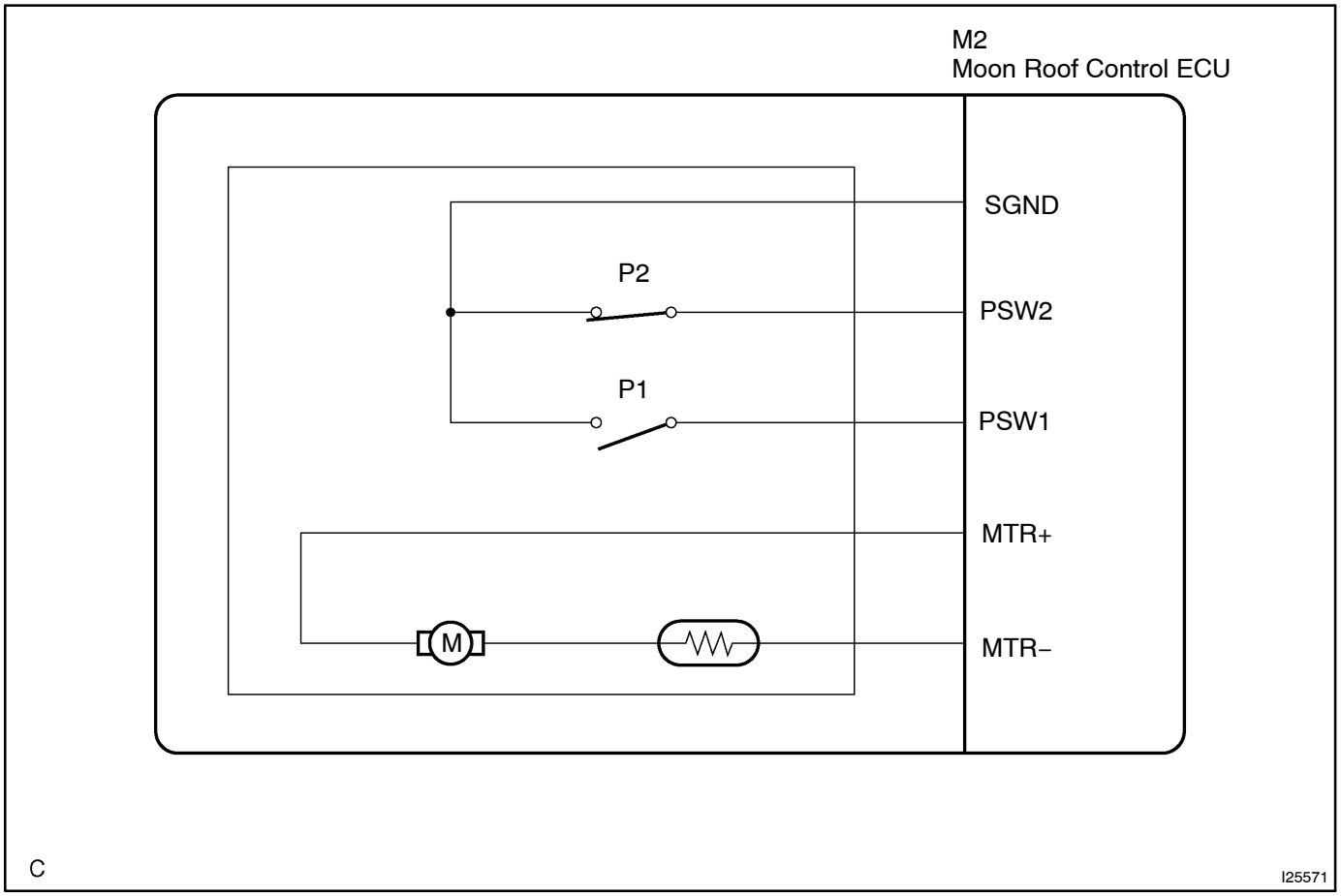
DIBB9–01

Sliding Roof Pulse Plate Circuit

CIRCUIT DESCRIPTION

This circuit is inner circuit of sliding roof gear assembly with ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:

If the hand–held tester cannot be available, begin with STEP 3.

1	**Check sliding roof pulse plate operation.**

PREPARATION:

(a) Connect the hand–held tester to DLC3.
(b) Turn the ignition switch ON and hand–held tester main switch ON.
(c) Select the DATA LIST mode on the hand–held tester.

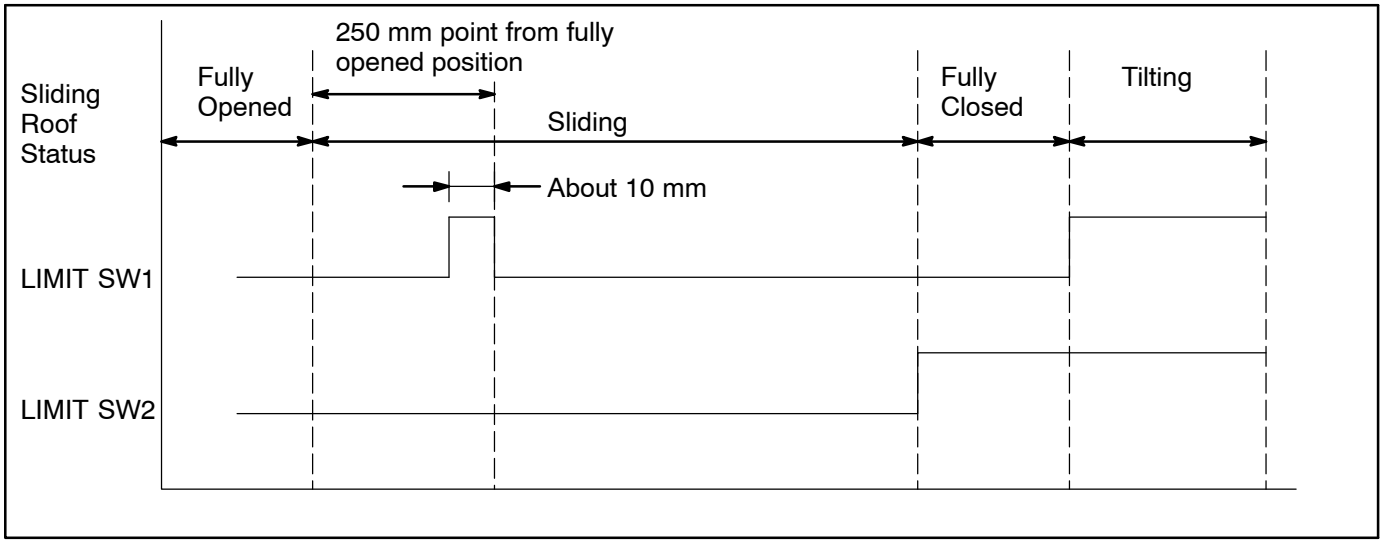
CHECK:

(a) Operate the slide roof using the hand–held tester.
(b) At this time, check that status (ON/OFF) of LIMIT SW1 and LIMIT SW2 changes on the hand–held tester display as shown in the chart below.

NOTICE:

Caution is necessary for a part of body not to be caught in as the jam protection system does not operate while conducting ACTIVE TEST.

OK:



NG → **Replace sliding roof gear assembly with ECU.**

OK

2	Check sliding roof motor status.

PREPARATION:

Connect the hand–held tester to the DLC3.

CHECK:

(a) Enter into ACTIVE TEST mode of hand–held tester.

(b) Check that "Sliding Roof" operates as the hand–held tester directs.

(c) At this time, check that motor status changes on the display of hand–held tester as the sliding roof switch of the vehicle is turned.

OK:

The motor status is normal.

NG → **Replace sliding roof gear assembly with ECU.**

OK

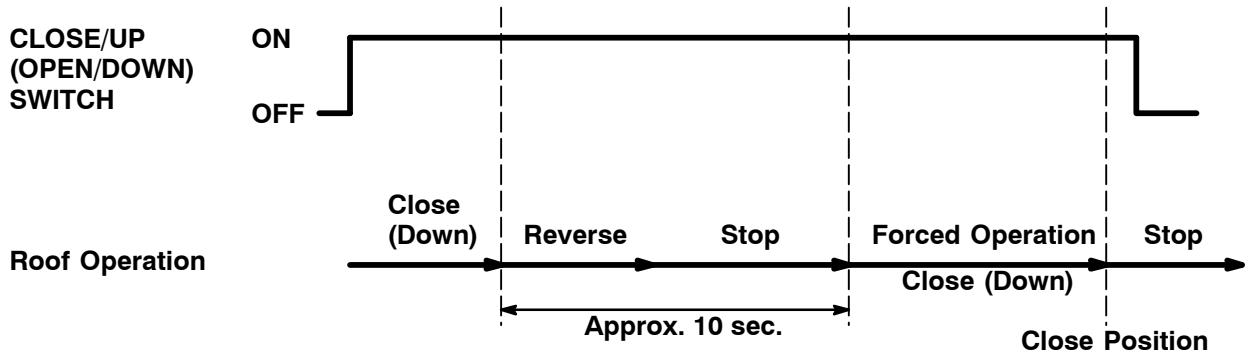
Go to step 4.

3	Perform forced operation.

Holding the CLOSE/UP (OPEN/DOWN) switch pressed inhibits the jam protection function at approx. 10 sec. after starting the reverse operation. If the switch remains pressed any longer, the sliding door starts close operation and it stops when detecting the fully closed position.

HINT:

At approx. 10 sec. after starting the reverse operation, it is switched to the forced close (down) operation.



4	Check sliding roof glass alignment. (Mechanical malfunction).

NG → Adjust sliding roof.

OK →

Replace sliding roof gear assembly with ECU (See page IN–36).