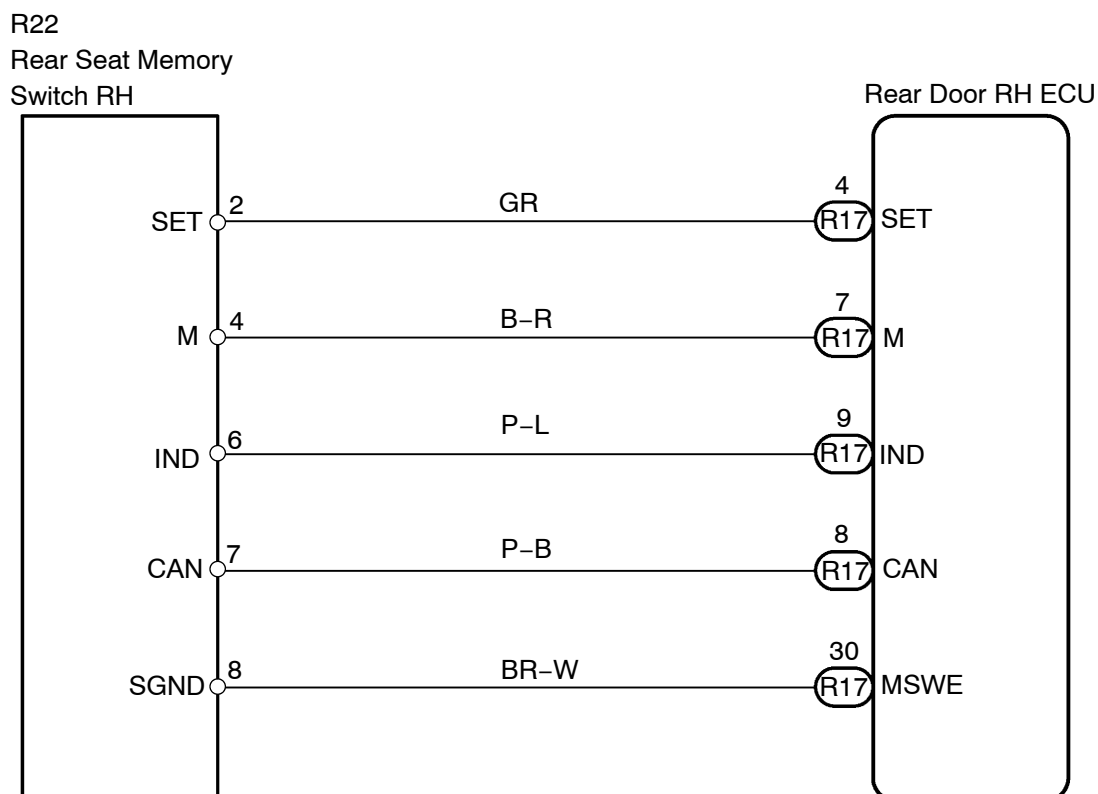# REAR SEAT MEMORY SWITCH (RH) (W/ MEMORY)

CIRCUIT DESCRIPTION

Each terminal receives the following switch signals:

M: Memory switch signal.

SET: Reproduction of memorized position switch signal.

CAN: Cancel switch signal.

WIRING DIAGRAM

R22 Rear Seat Memory Switch RH			Rear Door RH ECU
SET	2	GR	4 (R17) SET
M	4	B–R	7 (R17) M
IND	6	P–L	9 (R17) IND
CAN	7	P–B	8 (R17) CAN
SGND	8	BR–W	30 (R17) MSWE

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B74322

INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.

(b) Turn the ignition switch ON and push the intelligent tester II main switch ON.

(c) Select the item below in the DATA LIST and read the displays on the intelligent tester II.

Rear door RH ECU:

Item	Measurement Item/ Display (Range)	Normal Condition
R Seat Can SW	Rear seat memory switch C signal/ ON or OFF	ON: Rear seat memory switch C is ON OFF: Rear seat memory switch C is OFF
R Seat Set SW	Rear seat memory switch SET signal/ ON or OFF	ON: Rear seat memory switch SET is ON OFF: Rear seat memory switch SET is OFF
R Seat Men SW	Rear seat memory switch C signal/ ON or OFF	ON: Rear seat memory switch M is ON OFF: Rear seat memory switch M is OFF

OK:

On the tester screen, each item should change between ON and OFF according to the above chart.

NG >	Go to step 2

OK

Go to step 4

2	INSPECT REAR SEAT MEMORY SWITCH RH

Set
Memory
SET
M
C
Cancel

Y   B74399
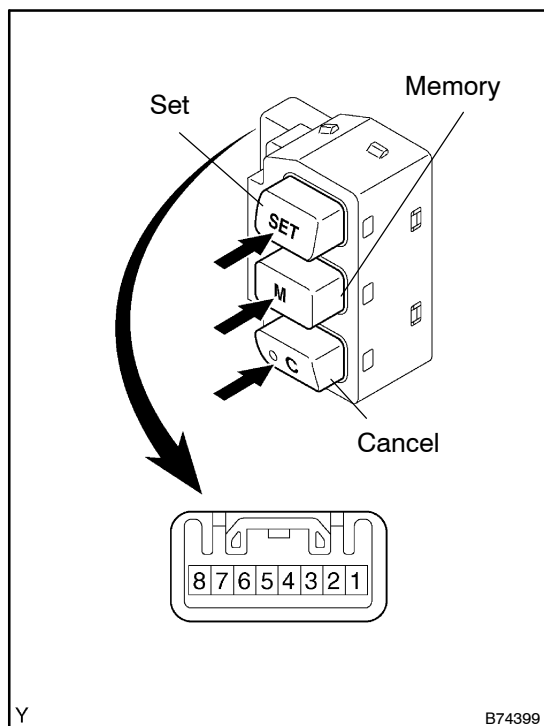
(a) Remove the rear seat memory switch RH.

(b) Measure the resistance of the rear seat memory switch RH.
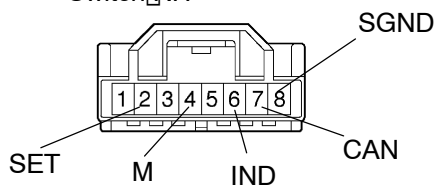
Standard:

Tester Connection	Switch Condition	Specified Condition
1 – 7	SET switch free	10 kΩ or higher
1 – 7	SET switch pushed	Below 1 Ω
1 – 5	M switch free	10 kΩ or higher
1 – 5	M switch pushed	Below 1 Ω
1 – 2	C switch free	10 kΩ or higher
1 – 2	C switch pushed	Below 1 Ω

NG >	REPLACE REAR SEAT MEMORY SWITCH RH

OK

3	CHECK WIRE HARNESS (REAR SEAT MEMORY SWITCH RH – REAR DOOR LH ECU)

Wire Harness Side

R22
Rear Seat Memory
Switch RH

SGND

1 2 3 4 5 6 7 8

SET   M   IND   CAN

R17
Rear Door RH
ECU

SET   M   CAN   IND

1   10   MSWE

2 3 4 5 6 7 8 9
11 12 13 14 15 16 17 18 19 20 21 22
23 24 25 26   27 28 29 30
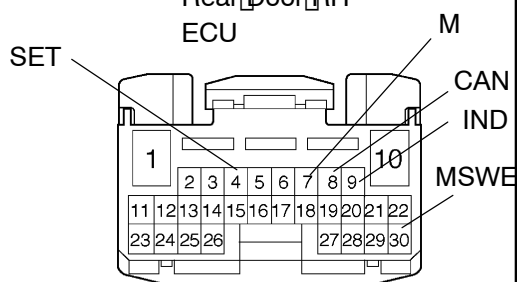
Y   B74397

(a)   Disconnect the R22 switch and R17 ECU connectors.
(b)   Measure the resistance of the wire harness side connectors.
      Standard:

Tester Connection	Specified Condition
R22–2 (SET) – R17–4 (SET)	Below 1 Ω
R22–4 (M) – R17–7 (M)	Below 1 Ω
R22–6 (IND) – R17–9 (IND)	Below 1 Ω
R22–7 (CAN) – R17–8 (CAN)	Below 1 Ω
R22–8 (SGND) – R17–30 (MSWE)	Below 1 Ω

NG	REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

4	READ VALUE OF INTELLIGENT TESTER II

(a)   Connect the intelligent tester II to the DLC3.
(b)   Turn the ignition switch ON and push the intelligent tester II main switch ON.
(c)   Select the item below in the DATA LIST and read the displays on the intelligent tester II.
      Rear RH seat ECU:

Item	Measurement Item/ Display (Range)	Normal Condition
C SW	Rear seat memory switch C signal/ ON or OFF	ON: Rear seat memory switch C is ON OFF: Rear seat memory switch C is OFF
SET SW	Rear seat memory switch C signal/ ON or OFF	ON: Rear seat memory switch SET is ON OFF: Rear seat memory switch SET is OFF
M SW	Rear seat memory switch C signal/ ON or OFF	ON: Rear seat memory switch M is ON OFF: Rear seat memory switch M is OFF

OK:
On the tester screen, each item should change between ON and OFF according to the above chart.

NG	REPLACE REAR RH SEAT ECU

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE