

DATA LIST/ACTIVE TEST

1. DATA LIST

HINT:

Using the intelligent tester II DATA LIST allows switch, sensor, actuator and other items to be read without removing any parts. Reading the DATA LIST early in troubleshooting is one way to shorten labor time.

- (a) Connect the intelligent tester II to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Read the DATA LIST according to the display on the tester.

Rear LH Seat ECU:

Item	Measurement Item/ Display (Range)	Normal Condition
Mem Status	Position memory status/ MEM or NOT MEM	MEM: Memorized NOT MEM: Not memorized
Dor-link Return	Door open-linked "Return" signal/ OPERATE or NOT OPR	OPERATE: Rear door is open NOT OPR: Rear door is open
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 SET 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 M signal/ ON or OFF	ON: Rear seat memory switch M is ON OFF: Rear seat memory switch M is OFF
Courtesy SW	Rear door courtesy switch signal/ ON or OFF	ON: Rear door is open OFF: Rear door is closed
R Seat Rtn SW	Rear seat return switch signal/ ON or OFF	ON: Rear seat return switch is ON OFF: Rear seat return switch is OFF
Hdrst Limit SW	Rear headrest limit switch signal/ ON or OFF	ON: Rear headrest limit switch is ON OFF: Rear headrest limit switch is OFF
Motor Status	Motor status/ STANDBY or MOVING or LOCK	STANDBY: motor is idle MOVING: motor is moving LOCK: motor is locked
Slide Pos	Rear seat slide position/ MIN: -16384 MAX: 49152	Within range from -16384 to 49152
Headrest Pos	Rear headrest position/ MIN: -16384 MAX: 49152	Within range from -16384 to 49152
Silde Mem Pos1	Rear seat slide position memorized with rear seat memory switch/ MIN: -16384 MAX: 49152	Within range from -16384 to 49152
Hedrst Mem Pos1	Rear headrest position memorized with rear seat memory switch/ MIN: -16384 MAX: 49152	Within range from -16384 to 49152
P SW	Shift lever position P signal/ ON or OFF	ON: Shift lever in P position OFF: Shift lever in any position except P
Stop Light Sig	Stop light signal/ ON or OFF	ON: Brake pedal depressed OFF: Brake pedal released
IG SW	Ignition switch status/ ON or OFF	ON: Ignition switch is ON OFF: Ignition switch is OFF
Vehicle Spd	Vehicle speed/ MIN: 0 km/h MAX: 255 km/h	Actual vehicle speed
Dest Info.	Destination information/ EUROPE or NOT EUR	EUROPE: Europe NOT EUR: Except Europe

Rear RH Seat ECU:

Item	Measurement Item/ Display (Range)	Normal Condition
Mem Status	Position memory status/ MEM or NOT MEM	MEM: Memorized NOT MEM: Not memorized
Dor-link Return	Door open-linked "Return" signal/ OPERATE or NOT OPR	OPERATE: Rear door is open NOT OPR: Rear door is open
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 SET 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 M signal/ ON or OFF	ON: Rear seat memory switch M is ON OFF: Rear seat memory switch M is OFF
Courtesy SW	Rear door courtesy switch signal/ ON or OFF	ON: Rear door is open OFF: Rear door is closed
R Seat Rtn SW	Rear seat return switch signal/ ON or OFF	ON: Rear seat return switch is ON OFF: Rear seat return switch is OFF
Hdrst Limit SW	Rear headrest limit switch signal/ ON or OFF	ON: Rear headrest limit switch is ON OFF: Rear headrest limit switch is OFF
Motor Status	Motor status/ STANDBY or MOVING or LOCK	STANDBY: motor is idle MOVING: motor is moving LOCK: motor is locked
Slide Pos	Rear seat slide position/ MIN: -16384 MAX: 49152	Within range from -16384 to 49152
Headrest Pos	Rear headrest position/ MIN: -16384 MAX: 49152	Within range from -16384 to 49152
Silde Mem Pos1	Rear seat slide position memorized with rear seat memory switch/ MIN: -16384 MAX: 49152	Within range from -16384 to 49152
Hedrst Mem Pos1	Rear headrest position memorized with rear seat memory switch/ MIN: -16384 MAX: 49152	Within range from -16384 to 49152
P SW	Shift lever position P signal/ ON or OFF	ON: Shift lever in P position OFF: Shift lever in any position except P
Stop Light Sig	Stop light signal/ ON or OFF	ON: Brake pedal depressed OFF: Brake pedal released
IG SW	Ignition switch status/ ON or OFF	ON: Ignition switch is ON OFF: Ignition switch is OFF
Vehicle Spd	Vehicle speed/ MIN: 0 km/h MAX: 255 km/h	Actual vehicle speed
Dest Info.	Destination information/ EUROPE or NOT EUR	EUROPE: Europe NOT EUR: Except Europe

Rear Seat Control Switch:

Item	Measurement Item/ Display (Range)	Normal Condition
RR Slide SW Fr	Rear RH seat sliding switch signal (Forward)/ ON or OFF	ON: Rear RH seat sliding switch (Forward) is ON OFF: Rear RH seat sliding switch (Forward) is OFF
RR Slide SW Rr	Rear RH seat sliding switch signal (Rearward)/ ON or OFF	ON: Rear RH seat sliding switch (Rearward) is ON OFF: Rear RH seat sliding switch (Rearward) is OFF
RR Hdrst SW UP	Rear RH headrest switch signal (Upward)/ ON or OFF	ON: Rear RH headrest switch (Upward) is ON OFF: Rear RH headrest switch (Upward) is OFF

Item	Measurement Item/ Display (Range)	Normal Condition
RR Hdrst SW Dwn	Rear RH headrest switch signal (Downward)/ ON or OFF	ON: Rear RH headrest switch (Downward) is ON OFF: Rear RH headrest switch (Downward) is OFF
RR Ref Start SW	Rear RH refreshing seat switch signal (START)/ ON or OFF	ON: Rear RH refreshing seat switch (START) is ON OFF: Rear RH refreshing seat switch (START) is OFF
RR Ref Stop SW	Rear RH refreshing seat switch signal (STOP)/ ON or OFF	ON: Rear RH refreshing seat switch (STOP) is ON OFF: Rear RH refreshing seat switch (STOP) is OFF
RL Slide SW Fr	Rear LH seat sliding switch signal (Forward)/ ON or OFF	ON: Rear LH seat sliding switch (Forward) is ON OFF: Rear LH seat sliding switch (Forward) is OFF
RL Slide SW Rr	Rear LH seat sliding switch signal (Rearward)/ ON or OFF	ON: Rear LH seat sliding switch (Rearward) is ON OFF: Rear LH seat sliding switch (Rearward) is OFF
RL Hdrst SW Up	Rear LH headrest switch signal (Upward)/ ON or OFF	ON: Rear LH headrest switch (Upward) is ON OFF: Rear LH headrest switch (Upward) is OFF
RL Hdrst SW Dwn	Rear LH headrest switch signal (Downward)/ ON or OFF	ON: Rear LH headrest switch (Downward) is ON OFF: Rear LH headrest switch (Downward) is OFF
RL Ref Start SW	Rear LH refreshing seat switch signal (START)/ ON or OFF	ON: Rear LH refreshing seat switch (START) is ON OFF: Rear LH refreshing seat switch (START) is OFF
RL Ref Stop SW	Rear LH refreshing seat switch signal (STOP)/ ON or OFF	ON: Rear LH refreshing seat switch (STOP) is ON OFF: Rear LH refreshing seat switch (STOP) is OFF
IG	Ignition switch status/ ON or OFF	ON: Ignition switch is ON OFF: Ignition switch is OFF

Passenger Side J/B ECU:

Item	Measurement Item/ Display (Range)	Normal Condition
R Seat Rtn SW	Rear seat return switch signal/ ON or OFF	ON: Rear return switch is ON OFF: Rear return switch is OFF

Rear Door LH 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 Mem SW	Rear seat memory switch M signal/ ON or OFF	ON: Rear seat memory switch M is ON OFF: Rear seat memory switch M is OFF
Courtesy SW	Rear door courtesy switch signal/ ON or OFF	ON: Rear door is open OFF: Rear door is closed

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 Mem SW	Rear seat memory switch M signal/ ON or OFF	ON: Rear seat memory switch M is ON OFF: Rear seat memory switch M is OFF
Courtesy SW	Rear door courtesy switch signal/ ON or OFF	ON: Rear door is open OFF: Rear door is closed

2. ACTIVE TEST**HINT:**

Using the intelligent tester II ACTIVE TEST allows relay, VSV, actuator and other items to be operated without removing any parts. Reading the ACTIVE TEST early in troubleshooting is one way to shorten the labor time.

The DATA LIST can be displayed during the ACTIVE TEST.

- Connect the intelligent tester II to the DLC3.
- Turn the ignition switch ON.
- Perform the ACTIVE TEST according to the display on the tester.

Rear LH seat ECU:

Item	Test Details	Diagnostic
Slide	Test details: seat slide operation FRONT/REAR Vehicle condition: stopped	–
Headrest	Test details: headrest operation UP/DOWN Vehicle condition: stopped	–
Refreshing ECU	Test details: refreshing ECU status ON/OFF Vehicle condition: stopped	–

Rear RH Seat ECU:

Item	Test Details	Diagnostic
Slide	Test details: seat slide operation FRONT/REAR Vehicle Condition: stopped	–
Headrest	Test details: headrest operation UP/DOWN Vehicle condition: stopped	–
Refreshing ECU	Test details: refreshing ECU status ON/OFF Vehicle condition: stopped	–