

7. Diagnosis Function

- In case of detecting the abnormality in the following portions,
 - The Sliding roof control ECU stops the operation. No warning light or beeper indication
 - The Sliding roof control ECU outputs the DTC code and the code can be read by LEXUS Hand Held Tester only that is connected to DLC3
- The Sliding roof control ECU does not memory the DTC code. If the abnormality in the following portions is recovered normally, the DTC code in the ECU will be cleared.

Code	Condition
B2501	Short in Roof drive motor (RH)
B2502	Open in Roof drive motor circuit (RH)
B2503	Short in Roof drive motor (LH)
B2504	Open in Roof drive motor circuit (LH)
B2505	Short in Luggage compartment door drive motor (RH)
B2506	Open in Luggage compartment door drive motor circuit (RH)
B2507	Short in Luggage compartment door drive motor (LH)
B2508	Open in Luggage compartment door drive motor circuit (LH)
B2509	Short (to GND) in pulse width modulation circuit motor (RH)
B2510	Short (to GND) in pulse width modulation circuit motor (LH)
B2511	Open in Roof lock motor
B2512	Short in Luggage compartment door closer motor (RH)
B2513	Open in Luggage compartment door closer motor circuit (RH)
B2514	Short in Luggage compartment door closer motor (LH)
B2515	Open in Luggage compartment door closer motor circuit (LH)
B2516	Open in Quarter power window motor circuit (RH)
B2517	Open in Quarter power window motor circuit (LH)
B2518	Open in Package tray motor circuit
B2520	Limit switch (Roof lock) malfunction
B2521	Limit switch (Roof close RH) malfunction
B2522	Limit switch (Roof close LH) malfunction
B2523	Limit switch (Roof position No.1) malfunction
B2524	Limit switch (Roof position No.2) malfunction
B2525	Limit switch (Roof position No.3) malfunction
B2526	Limit switch (Roof position) malfunction
B2527	Limit switch (Roof open) malfunction
B2528	Full close switch on Limit switch (Luggage compartment door open and close) malfunction
B2529	Limit switch (Luggage front lock RH) malfunction
B2530	Limit switch (Luggage front lock LH) malfunction
B2531	Full open switch on Limit switch (Luggage compartment door open and close) malfunction
B2532	Limit switch (Package tray No.1) malfunction
B2533	Limit switch (Package tray No.2) malfunction
B2534	Limit switch (Package tray) malfunction
B2535	Limit switch (Tonneau cover) malfunction
B2536	Luggage compartment door courtesy switch malfunction
B2537	Sliding Roof Control Switch malfunction
B2538	Abnormal Roof drive motor pulse (RH)
B2539	Abnormal Roof drive motor pulse (LH)
B2540	Abnormal difference between RH and LH Roof drive motor pulse
B2541	Abnormal Luggage compartment door drive motor pulse (RH)
B2542	Abnormal Luggage compartment door drive motor pulse (LH)
B2543	Abnormal difference between RH and LH Luggage compartment door drive motor pulse
B2544	Transponder ECU communication stop
B2545	ECM communication stop
B2546	Meter ECU communication stop
B2547	Luggage room J/B ECU communication stop
B2548	Driver side J/B ECU communication stop
B2549	Driver door ECU communication stop
B2550	Passenger door ECU communication stop
B2551	Pulse width modulation circuit motor (RH) power supply malfunction
B2552	Pulse width modulation circuit motor (LH) power supply malfunction
B2553	Sliding roof control ECU malfunction
B2554	Retractable hard top system malfunction