

## DIAGNOSTIC TROUBLE CODE CHART

### HINT:

If a DTC is displayed during the DTC check, check the circuit for that code listed in the table below. For details of each code, turn to the page under the "DTC No." in the DTC chart.

DTC No. (See Page)	Detection Item	Trouble Area
B2501 (05-1959)	Short in Roof Drive Motor RH Circuit	<ul style="list-style-type: none"> <li>• Sliding roof drive gear assy RH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2502 (05-1961)	Open in Roof Drive Motor RH Circuit	<ul style="list-style-type: none"> <li>• Sliding roof drive gear assy RH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2503 (05-1964)	Short in Roof Drive Motor LH Circuit	<ul style="list-style-type: none"> <li>• Sliding roof drive gear assy LH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2504 (05-1966)	Open in Roof Drive Motor LH Circuit	<ul style="list-style-type: none"> <li>• Sliding roof drive gear assy LH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2505 (05-1969)	Short in Luggage Door Drive Motor RH Circuit	<ul style="list-style-type: none"> <li>• Luggage door drive gear assy RH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2506 (05-1971)	Open in Luggage Door Drive Motor RH Circuit	<ul style="list-style-type: none"> <li>• Luggage door drive gear assy RH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2507 (05-1974)	Short in Luggage Door Drive Motor LH Circuit	<ul style="list-style-type: none"> <li>• Luggage door drive gear assy LH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2508 (05-1976)	Open in Luggage Door Drive Motor LH Circuit	<ul style="list-style-type: none"> <li>• Luggage door drive gear assy LH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2509 (05-1979)	Short in Pulse Width Modulation Motor RH Circuit	<ul style="list-style-type: none"> <li>• Sliding roof driver gear assy RH</li> <li>• Luggage door drive gear assy RH</li> <li>• Luggage closer motor assy RH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2510 (05-1983)	Short in Pulse Width Modulation Motor LH Circuit	<ul style="list-style-type: none"> <li>• Sliding roof driver gear assy LH</li> <li>• Luggage door drive gear assy LH</li> <li>• Luggage closer motor assy LH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2511 (05-1987)	Open in Roof Lock Motor Circuit	<ul style="list-style-type: none"> <li>• Sliding roof drive gear sub-assy (Roof lock motor)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2512 (05-1990)	Short in Luggage Closer Motor RH Circuit	<ul style="list-style-type: none"> <li>• Luggage closer motor assy RH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2513 (05-1992)	Open in Luggage Closer Motor RH Circuit	<ul style="list-style-type: none"> <li>• Luggage closer motor assy RH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2514 (05-1995)	Short in Luggage Closer Motor LH Circuit	<ul style="list-style-type: none"> <li>• Luggage closer motor assy LH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2515 (05-2000)	Open in Luggage Closer Motor LH Circuit	<ul style="list-style-type: none"> <li>• Luggage closer motor assy LH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2516 (05-2000)	Open in Quarter Window Motor RH Circuit	<ul style="list-style-type: none"> <li>• Power window regulator motor assy RH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>

## DIAGNOSTICS - RETRACTABLE HARDTOP SYSTEM

DTC No. (See Page)	Detection Item	Trouble Area
B2517 (05-2003)	Open in Quarter Window Motor LH Circuit	<ul style="list-style-type: none"> <li>• Power window regulator motor assy LH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2518 (05-2006)	Open in Package tray Motor Circuit	<ul style="list-style-type: none"> <li>• Package tray trim link LH motor assy</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2520 (05-2009)	Roof Lock Switch Malfunction	<ul style="list-style-type: none"> <li>• Slide roof limit switch (Roof lock)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2521 (05-2012)	Roof Close Switch RH Malfunction	<ul style="list-style-type: none"> <li>• Slid roof limit switch (Roof close RH)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2522 (05-2015)	Roof Close Switch LH Malfunction	<ul style="list-style-type: none"> <li>• Slide roof limit switch (Roof close LH)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2523 (05-2018)	Roof Position Switch No. 1 Malfunction	<ul style="list-style-type: none"> <li>• Slide roof limit switch (Roof position No. 1, No. 2)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2524 (05-2021)	Roof Position Switch No. 2 Malfunction	<ul style="list-style-type: none"> <li>• Slide roof limit switch (Roof position No. 1, No. 2)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2525 (05-2024)	Roof Position Switch No. 3 Malfunction	<ul style="list-style-type: none"> <li>• Slide roof limit switch (Roof position No. 3)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2526 (05-2027)	Roof Position Switch No.1, No. 2 or No.3 Malfunction	<ul style="list-style-type: none"> <li>• Slide roof limit switch (Roof position No. 1, No. 2)</li> <li>• Slide roof limit switch (Roof position No. 3)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2527 (05-2032)	Roof Open Switch Malfunction	<ul style="list-style-type: none"> <li>• Slide roof limit switch (Roof open)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2528 (05-2035)	Luggage Door Close Switch Malfunction	<ul style="list-style-type: none"> <li>• Limit switch assy (Luggage door open and close)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2529 (05-2038)	Luggage Front Lock Switch RH Malfunction	<ul style="list-style-type: none"> <li>• Limit switch assy (Luggage front lock RH)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2530 (05-2041)	Luggage Front Lock Switch LH Malfunction	<ul style="list-style-type: none"> <li>• Limit switch assy (Luggage front lock LH)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2531 (05-2044)	Luggage Door Open Switch Malfunction	<ul style="list-style-type: none"> <li>• Limit switch assy (Luggage door open and close)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2532 (05-2047)	Package Tray Switch No. 1 Malfunction	<ul style="list-style-type: none"> <li>• Slide roof limit switch (Package tray No. 1)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2533 (05-2050)	Package Tray Switch No. 2 Malfunction	<ul style="list-style-type: none"> <li>• Slide roof limit switch (Package tray No. 2)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2534 (05-2053)	Package Tray Switch No.1 or No.2 Malfunction	<ul style="list-style-type: none"> <li>• Slide roof limit switch (Package tray No. 1)</li> <li>• Slide roof limit swtch (Package tray No. 2)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2535 (05-2057)	Tonneau Cover Switch Malfunction	<ul style="list-style-type: none"> <li>• Limit switch (Tonneau cover)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>

DTC No. (See Page)	Detection Item	Trouble Area
B2536 (05-2059)	Luggage Courtesy Switch Malfunction	<ul style="list-style-type: none"> <li>• Luggage door lock assy (Courtesy switch)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2537 (05-2062)	Roof Control Switch Malfunction	<ul style="list-style-type: none"> <li>• Air conditioner control assy (Roof control switch)</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2538 (05-2065)	Abnormal Roof Drive Motor RH Pulse	<ul style="list-style-type: none"> <li>• Sliding roof drive gear assy RH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2539 (05-2068)	Abnormal Roof Drive Motor LH Pulse	<ul style="list-style-type: none"> <li>• Sliding roof drive gear assy LH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2540 (05-2071)	Abnormal Difference Between RH and LH Roof Drive Motor Pulse	<ul style="list-style-type: none"> <li>• Slide roof drive gear assy RH</li> <li>• Slide roof drive gear assy LH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2541 (05-2076)	Abnormal Luggage Door Drive Motor RH Pulse	<ul style="list-style-type: none"> <li>• Luggage door drive gear assy RH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2542 (05-2079)	Abnormal Luggage Door Drive Motor LH Pulse	<ul style="list-style-type: none"> <li>• Luggage door drive gear assy LH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2543 (05-2082)	Abnormal Difference Between RH and LH Luggage Door Drive Motor Pulse	<ul style="list-style-type: none"> <li>• Luggage door drive gear assy RH</li> <li>• Luggage door drive gear assy LH</li> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2544 (05-2087)	Transponder Key ECU Communication Stop	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Transponder key ECU</li> </ul>
B2545 (05-2088)	ECM Communication Stop	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• ECM</li> </ul>
B2546 (05-2089)	Combination Meter ECU Communication Stop	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Combination meter assy</li> </ul>
B2547 (05-2090)	Luggage Room J/B ECU Communication Stop	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Luggage room J/B assy</li> </ul>
B2548 (05-2091)	Driver Side J/B ECU Communication Stop	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Driver side J/B assy</li> </ul>
B2549 (05-2092)	Driver Door ECU Communication Stop	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Multiplex network door ECU front LH</li> </ul>
B2550 (05-2093)	Passenger Door ECU Communication Stop	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Multiplex network door ECU front RH</li> </ul>
B2551 (05-2094)	Pulse Width Modulation Motor RH Power Supply Circuit Malfunction	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2552 (05-2096)	Pulse Width Modulation Motor LH Power Supply Circuit Malfunction	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Sliding roof control ECU assy</li> </ul>
B2553 (05-2098)	Sliding Roof Control ECU Malfunction	<ul style="list-style-type: none"> <li>• Sliding roof control ECU assy</li> </ul>
B2554 (05-2099)	Retractable Hardtop System Malfunction	<ul style="list-style-type: none"> <li>• Retractable hardtop system</li> </ul>
B2555 (05-2100)	A/C ECU Communication Stop	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Air conditioning control assy</li> </ul>