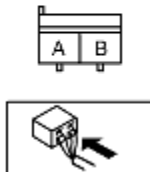


DTC B1054, B1877, B1878, B1879, B1885

B3E080201046W12

| | | |
|---|---|--|
| DTC | B1054 | Driver-side pre-tensioner front buckle and other air bag module circuits short |
| | B1877 | Driver-side pre-tensioner front buckle circuit resistance high |
| | B1878 | Driver-side pre-tensioner front buckle circuit short to power supply |
| | B1879 | Driver-side pre-tensioner front buckle circuit short to body ground |
| | B1885 | Driver-side pre-tensioner front buckle circuit resistance low |
| DETECTION CONDITION | <p>Warning</p> <ul style="list-style-type: none">• Detection conditions are for understanding the DTC outline before performing an inspection. Performing an inspection according to only the detection conditions may cause injury due to an operating error, or damage the system. When performing an inspection, always follow the inspection procedure.• Resistance other than 1.5-3.1 ohms detected in driver-side pre-tensioner front buckle circuit• Malfunction in the wiring harness between driver-side pre-tensioner front buckle and SAS control module | |
| POSSIBLE CAUSE | <ul style="list-style-type: none">• Open or short circuit in wiring harness between driver-side pre-tensioner front buckle and SAS control module• Driver-side pre-tensioner front buckle malfunction• SAS control module malfunction | |
| <p>DRIVER-SIDE PRE-TENSIONER FRONT BUCKLE WIRING HARNESS-SIDE CONNECTOR</p>  | | |

Diagnostic procedure

| STEP | INSPECTION | ACTION |
|------|---|--|
| 1 | INSPECT DRIVER-SIDE PRE-TENSIONER FRONT BUCKLE <ul style="list-style-type: none"> Using the WDS or equivalent, verify the following PID/DATA monitor. (See PID/DATA MONITOR TABLE.) - DR_PTENS Is the resistance of the driver-side pre-tensioner front buckle normal? - Resistance: 1.5-3.1 ohms | <p>Yes</p> <p>Replace the SAS control module. (See SAS CONTROL MODULE REMOVAL/INSTALLATION.)</p> |
| | | <p>No</p> <p>Go to the next step.</p> |
| | INSPECT DRIVER-SIDE PRE-TENSIONER FRONT BUCKLE CONNECTOR <p>Warning</p> | |

| | | | |
|---|---|-----|---|
| 2 | <ul style="list-style-type: none"> • Handling the air bag system components improperly can accidentally deploy the air bag modules and pre-tensioner front buckles, which may seriously injure you. Read the service warnings and cautions before handling the air bag system components. (See SERVICE WARNINGS.) (See SERVICE CAUTIONS.) | Yes | Replace the air bag wiring harness. |
| | | No | Go to the next step. |
| 3 | VERIFY WHETHER MALFUNCTION IS IN DRIVER-SIDE PRE-TENSIONER FRONT BUCKLE OR RELATED WIRING HARNESS <ul style="list-style-type: none"> • Connect the leads of the SST (Fuel and thermometer checker) or apply 2-ohm resistance to driver-side pre-tensioner front buckle connector terminals A and B. • Set the resistance of the SST (Fuel and thermometer checker) to the 2-ohm position. • Connect the negative battery cable. • Turn the ignition switch to the ON position. • Are DTCs B1054, B1877, B1878, B1879, and/or B1885 indicated? | Yes | Replace the air bag wiring harness, then go to the next step. |
| | | No | Replace the driver-side pre-tensioner front buckle. (See FRONT SEAT BELT REMOVAL/INSTALLATION .) |
| 4 | INSPECT SAS CONTROL MODULE <ul style="list-style-type: none"> • Turn the ignition switch to the LOCK position. • Disconnect the negative battery cable and wait for 1 min or more. • Connect the driver-side pre-tensioner front buckle connector. • Are DTCs B1054, B1877, B1878, B1879, and/or B1885 indicated? | Yes | Replace the SAS control module. (See SAS CONTROL MODULE REMOVAL/INSTALLATION .) |
| | | No | DTC troubleshooting completed. |