

## DTC C1001:97 [FORWARD SENSING CAMERA (FSC)]

id0902p9029800

|                                    |                                                                                                                                                                                                                                |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>System malfunction location</b> | <b>Forward sensing camera (FSC) poor visibility</b>                                                                                                                                                                            |
| <b>Detection condition</b>         | <ul style="list-style-type: none"> <li>With the LDWS switch on or the high beam control (HBC) system operating, it is detected that the forward sensing camera (FSC) field of view is obstructed for <b>10 min</b>.</li> </ul> |
| <b>Fail-safe</b>                   | <ul style="list-style-type: none"> <li>Inhibits the lane departure warning system (LDWS).</li> <li>Inhibits the high beam control system (HBC).</li> </ul>                                                                     |
| <b>Possible cause</b>              | <ul style="list-style-type: none"> <li>Windshield soiled</li> <li>Forward sensing camera (FSC) lens soiled</li> <li>Forward sensing camera (FSC) malfunction</li> </ul>                                                        |
| <b>System wiring diagram</b>       | —                                                                                                                                                                                                                              |

### Diagnostic Procedure

| Step | Inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     | Action                                                                                                                                                                                                                                           |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <b>VERIFY WINDSHIELD SOILING</b> <ul style="list-style-type: none"> <li>Verify if the windshield is soiled.</li> <li>Is the windshield soiled?</li> </ul>                                                                                                                                                                                                                                                                                                                                                      | Yes | Remove the soiling from the windshield, then go to Step 3.                                                                                                                                                                                       |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No  | Go to the next step.                                                                                                                                                                                                                             |
| 2    | <b>VERIFY FORWARD SENSING CAMERA (FSC) LEN SOILING</b> <ul style="list-style-type: none"> <li>Verify if the forward sensing camera (FSC) lens is soiled.</li> <li>Is the forward sensing camera (FSC) lens soiled?</li> </ul>                                                                                                                                                                                                                                                                                  | Yes | Remove the soiling on the forward sensing camera (FSC) lens, then go to the next step.                                                                                                                                                           |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No  | Go to the next step.                                                                                                                                                                                                                             |
| 3    | <b>VERIFY THAT REPAIRS HAVE BEEN COMPLETED</b> <ul style="list-style-type: none"> <li>Clear the forward sensing camera (FSC) DTCs using the M-MDS. (See CLEARING DTC [FORWARD SENSING CAMERA (FSC)].)</li> <li>Drive the vehicle at a vehicle speed of <b>20 km/h {12 mph} or more</b> for <b>3 min</b> or more.</li> <li>Perform the DTC inspection for the forward sensing camera (FSC) using the M-MDS. (See DTC INSPECTION [FORWARD SENSING CAMERA (FSC)].)</li> <li>Is DTC C1001:97 displayed?</li> </ul> | Yes | Repeat the inspection from Step 1.<br><ul style="list-style-type: none"> <li>If the malfunction recurs, replace the forward sensing camera (FSC), then go to the next step. (See FORWARD SENSING CAMERA (FSC) REMOVAL/ INSTALLATION.)</li> </ul> |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No  | Go to the next step.                                                                                                                                                                                                                             |
| 4    | <b>VERIFY IF OTHER DTCs DISPLAYED</b> <ul style="list-style-type: none"> <li>Are any other DTCs displayed?</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                          | Yes | Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [FORWARD SENSING CAMERA (FSC)].)                                                                                                                  |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No  | DTC troubleshooting completed.                                                                                                                                                                                                                   |