

DTC C0051:95 [START STOP UNIT]

id0902p6027700

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|------------------------------------|---|
| System malfunction location | Steering angle sensor assembly malfunction |
| Detection condition | <ul style="list-style-type: none">• The start stop unit receives the following signals with the ignition switched ON (engine off or on).<ul style="list-style-type: none">— Steering angle sensor assembly malfunction from EPS control module for 1 s or more— Improper assembly of steering angle sensor at 360°— Steering wheel angle of 720° or more for 0.048 s or more |
| Fail-safe | — |
| Possible cause | <ul style="list-style-type: none">• DTCs are stored in the EPS control module.• Improper assembly of steering angle sensor• Start stop unit malfunction |
| System wiring diagram | — |

Diagnostic Procedure

| Step | Inspection | Action |
|-------------|---|---|
| 1 | VERIFY EPS CONTROL MODULE DTCs <ul style="list-style-type: none">• Perform the DTC inspection for the EPS control module using the M-MDS. (See ELECTRIC POWER STEERING (EPS) ON-BOARD DIAGNOSIS.)• Is the DTC displayed? | Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See ELECTRIC POWER STEERING (EPS) ON-BOARD DIAGNOSIS.) |
| | | No Go to the next step. |
| 2 | VERIFY STEERING ANGLE SENSOR INSTALLATION CONDITION <ul style="list-style-type: none">• Verify the steering angle sensor installation condition. (See CLOCK SPRING REMOVAL/INSTALLATION.)• Is the steering angle sensor installed correctly? | Yes Go to the next step. |
| | | No Install the steering angle sensor correctly, then go to the next step. (See CLOCK SPRING REMOVAL/INSTALLATION.) |
| 3 | VERIFY THAT REPAIRS HAVE BEEN COMPLETED <ul style="list-style-type: none">• Clear DTC for the start stop unit using the M-MDS. (See CLEARING DTC [START STOP UNIT].)• Switch the ignition ON (engine off or on) and wait for 1 s or more.• Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION [START STOP UNIT].)• Is DTC C0051:95 displayed? | Yes Repeat the inspection from Step 1. <ul style="list-style-type: none">• If the malfunction recurs, replace the start stop unit, then go to the next step. (See START STOP UNIT REMOVAL/INSTALLATION.) |
| | | No Go to the next step. |
| 4 | VERIFY IF OTHER DTCs DISPLAYED <ul style="list-style-type: none">• Are any other DTCs displayed? | Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [START STOP UNIT].) |
| | | No DTC troubleshooting completed. |