

DTC B1C53:13 [START STOP UNIT]

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| System malfunction location | Windshield wiper switch circuit malfunction |
| Detection condition | • The start stop unit detects an open circuit, short to ground, or short to power supply in the windshield wiper switch circuit for 5 s or more with the ignition switched ON (engine off or on). |
| Fail-safe | — |
| Possible cause | <ul style="list-style-type: none"> • Start stop unit configuration error • The installations of the light switch and the wiper and washer switch are reversed. • Windshield wiper switch malfunction • Start stop unit malfunction |
| System wiring diagram | — |

Diagnostic Procedure

| Step | Inspection | Action |
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| 1 | PERFORM START STOP UNIT CONFIGURATION (AS-BUILT DATA USE) <ul style="list-style-type: none"> • Perform the start stop unit configuration using the M-MDS. (See START STOP UNIT CONFIGURATION (USING AS-BUILT DATA).) • Clear start stop unit DTCs using the M-MDS. (See CLEARING DTC [START STOP UNIT].) • Switch the INT volume switch to each step at 5 s intervals. • Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION [START STOP UNIT].) • Is DTC B1C53:13 displayed? | Yes Using the M-MDS, re-perform the start stop unit configuration using the As-Built data, then go to the next step. (See START STOP UNIT CONFIGURATION (USING AS-BUILT DATA).) |
| | | No Go to Step 5. |
| 2 | VERIFY IF INSTALLATIONS OF LIGHT SWITCH AND WIPER AND WASHER SWITCH ARE REVERSED <ul style="list-style-type: none"> • Verify the installation condition of the light switch and the wiper and washer switch. • Are the light switch and the wiper and washer switch installed correctly? | Yes Go to the next step. |
| | | No Install the light switch and the wiper and washer switch properly, then go to Step 4. |
| 3 | INSPECT WINDSHIELD WIPER SWITCH <ul style="list-style-type: none"> • Inspect the windshield wiper switch. (See WINDSHIELD WIPER AND WASHER SWITCH INSPECTION.) • Is the windshield wiper switch normal? | Yes Go to the next step. |
| | | No Replace the windshield wiper switch, then go to the next step. (See WIPER AND WASHER SWITCH REMOVAL/INSTALLATION.) |
| 4 | VERIFY THAT REPAIRS HAVE BEEN COMPLETED <ul style="list-style-type: none"> • Clear start stop unit DTCs using the M-MDS. (See CLEARING DTC [START STOP UNIT].) • Switch the INT volume switch to each step at 5 s intervals. • Perform the start stop unit DTC inspection using the M-MDS. (See DTC INSPECTION [START STOP UNIT].) • Is DTC B1C53:13 displayed? | Yes Replace the start stop unit, then go to the next step. (See START STOP UNIT REMOVAL/INSTALLATION.) |
| | | No Go to the next step. |
| 5 | 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. |