DTC U0433:00 [INSTRUMENT CLUSTER]

id0902e8016300

System malfunction location	**Error signal received from laser sensor**
Detection condition	• Instrument cluster detects the following conditions: — The smart city brake support operated normally in the past. — Malfunction of laser sensor or smart city brake support related system (laser sensor, DSC HU/CM, PCM) — Laser sensor control is temporarily inhibited.
Fail-safe	• Detection condition: The smart city brake support operated normally in the past. — Function not equipped. • Detection condition: Malfunction in laser sensor or smart city brake support related system (laser sensor, DSC HU/CM, PCM) — Inhibits the smart city brake support control. — Warning message related to the smart city brake support is displayed on the TFT LCD display. • Detection condition: Laser sensor control is temporarily inhibited. — Temporarily inhibits the smart city brake support control.
Possible cause	**Note** • The instrument cluster stores DTC U0433:00 as a record that the smart city brake support operated normally. • System related to the smart city brake support stores DTCs. • The laser sensor cannot temporarily function due to dirt on the windshield. • Laser sensor malfunction • Instrument cluster malfunction
System wiring diagram	—

Diagnostic Procedure

Step	Inspection		Action
1	**VERIFY ALL SYSTEM DTCs** • Switch the ignition to off. • Switch the ignition ON (engine off or on) and wait for **10 s or more**. • Perform a CMDTC self-test using the M-MDS. (See DTC INSPECTION [INSTRUMENT CLUSTER].) • Are any DTCs other than DTC U0433:00 displayed?	Yes	Repair the malfunctioning part according to the applicable system DTC troubleshooting. (See DTC TABLE [INSTRUMENT CLUSTER].)
		No	Go to the next step.
2	**VERIFY DTCs AGAIN** • Clear DTC for the instrument cluster using the M-MDS. (See CLEARING DTC [INSTRUMENT CLUSTER].) • Switch the ignition ON (engine off or on) and wait for **10 s or more**. • Perform a CMDTC self-test using the M-MDS. (See DTC INSPECTION [INSTRUMENT CLUSTER].) • Is DTC U0433:00 displayed?	Yes	Go to the next step.
		No	Go to Step 6.
3	**VERIFY TFT LCD DISPLAY** • Verify the TFT LCD display. • Is “SCBS Clear windshield completely” or “SCBS Not Available” displayed in the TFT LCD display?	Yes	Clean the windshield, then go to the next step.
		No	Go to Step 5.

Step	Inspection		Action
4	**PERFORM DTC INSPECTION AND VERIFY IF MALFUNCTION CAUSE IS LASER SENSOR** • Clear DTC for the instrument cluster using the M-MDS. (See CLEARING DTC [INSTRUMENT CLUSTER].) • Switch the ignition ON (engine off or on) and wait for **10 s or more**. • Perform a CMDTC self-test using the M-MDS. (See DTC INSPECTION [INSTRUMENT CLUSTER].) • Is DTC U0433:00 displayed?	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the laser sensor, then go to the next step. (See LASER SENSOR REMOVAL/INSTALLATION.)
		No	Go to Step 6.
5	**VERIFY THAT REPAIRS HAVE BEEN COMPLETED** • Clear DTC for the instrument cluster using the M-MDS. (See CLEARING DTC [INSTRUMENT CLUSTER].) • Switch the ignition ON (engine off or on) and wait for **10 s or more**. • Perform a CMDTC self-test using the M-MDS. (See DTC INSPECTION [INSTRUMENT CLUSTER].) • Is DTC U0433:00 displayed?	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the instrument cluster, then go to the next step. (See INSTRUMENT CLUSTER REMOVAL/INSTALLATION.)
		No	Go to the next step.
6	**VERIFY IF OTHER DTCs DISPLAYED** • Are any other DTCs displayed?	Yes	Repair the malfunctioning part according to the applicable system DTC troubleshooting. (See DTC TABLE [INSTRUMENT CLUSTER].)
		No	DTC troubleshooting completed.