

DTC U3003:17 [FORWARD SENSING CAMERA (FSC)]

id0902p9031000

System malfunction location	Forward sensing camera (FSC) high power supply input
Detection condition	<ul style="list-style-type: none"> Forward sensing camera (FSC) power supply circuit voltage of 16.8 V or more is detected for 5 s or more with the ignition switched ON (engine off or on).
Fail-safe	<ul style="list-style-type: none"> Inhibits the lane departure warning system (LDWS). Inhibits the high beam control system (HBC).
Possible cause	<ul style="list-style-type: none"> DTCs are stored in the PCM. Battery malfunction Generator malfunction Forward sensing camera (FSC) malfunction
System wiring diagram	—

Diagnostic Procedure

Step	Inspection	Action
1	VERIFY PCM DTCs <ul style="list-style-type: none"> Perform the DTC inspection for the PCM using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].) Is the DTC displayed? 	Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See DTC TABLE [SKYACTIV-D 2.2].)
		No Go to the next step.
2	INSPECT BATTERY <ul style="list-style-type: none"> Inspect the battery. (See BATTERY INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See BATTERY INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See BATTERY INSPECTION [SKYACTIV-D 2.2].) Is the battery normal? 	Yes Go to the next step.
		No Replace the battery, then go to Step 4. (See BATTERY REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See BATTERY REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
3	INSPECT GENERATOR <ul style="list-style-type: none"> Inspect the generator. (See GENERATOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See GENERATOR INSPECTION [SKYACTIV-D 2.2].) Is the generator normal? 	Yes Go to the next step.
		No Replace the generator, then go to the next step. (See GENERATOR REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See GENERATOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
4	VERIFY THAT REPAIRS HAVE BEEN COMPLETED <ul style="list-style-type: none"> Clear the forward sensing camera (FSC) DTCs using the M-MDS. (See CLEARING DTC [FORWARD SENSING CAMERA (FSC)].) Switch the ignition ON (engine off or on) and wait for 6.5 s or more. Perform the DTC inspection for the forward sensing camera (FSC) using the M-MDS. (See DTC INSPECTION [FORWARD SENSING CAMERA (FSC)].) Is DTC U3003:17 displayed? 	Yes Repeat the inspection from Step 1. • If the malfunction recurs, replace the forward sensing camera (FSC), then go to the next step. (See FORWARD SENSING CAMERA (FSC) 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 [FORWARD SENSING CAMERA (FSC)].)
		No DTC troubleshooting completed.