

**DTC U2005:86 [FORWARD SENSING CAMERA (FSC)]**

id0902p9030500

<b>System malfunction location</b>	<b>Error signal received from PCM</b>
<b>Detection condition</b>	• Forward sensing camera (FSC) receives vehicle speed signal error from the PCM for <b>1 s or more</b> .
<b>Fail-safe</b>	• Inhibits the lane departure warning system (LDWS). • Inhibits the high beam control system (HBC).
<b>Possible cause</b>	• DTCs are stored in the PCM. • PCM malfunction • Forward sensing camera (FSC) malfunction
<b>System wiring diagram</b>	—

**Diagnostic Procedure**

<b>Step</b>	<b>Inspection</b>	<b>Action</b>
1	<b>VERIFY PCM DTCs</b> • 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	<b>PERFORM DTC INSPECTION AND VERIFY IF MALFUNCTIONING PART IS PCM</b> • 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 <b>2.5 s or more</b> . • Perform the DTC inspection for the forward sensing camera (FSC) using the M-MDS. (See DTC INSPECTION [FORWARD SENSING CAMERA (FSC)].) • Is the DTC U2005:86 displayed?	Yes Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
		No Go to Step 4.
3	<b>VERIFY THAT REPAIRS HAVE BEEN COMPLETED</b> • 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 <b>2.5 s or more</b> . • Perform the DTC inspection for the forward sensing camera (FSC) using the M-MDS. (See DTC INSPECTION [FORWARD SENSING CAMERA (FSC)].) • Is the DTC U2005:86 displayed?	Yes 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.
4	<b>VERIFY IF OTHER DTCs DISPLAYED</b> • 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.