

**DTC U2005:86 [INSTRUMENT CLUSTER]**

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<b>System malfunction location</b>	<b>Error signal received from PCM</b>
<b>Detection condition</b>	• The instrument cluster receives vehicle speed signal error from the PCM for <b>1 s or more</b> with the ignition switched ON (engine off or on).
<b>Fail-safe</b>	—
<b>Possible cause</b>	• DTCs are stored in the PCM. • Instrument cluster malfunction
<b>System wiring diagram</b>	—

**Diagnostic Procedure**

<b>Step</b>	<b>Inspection</b>	<b>Action</b>
1	<b>VERIFY INSTRUMENT CLUSTER DTCs</b> <ul style="list-style-type: none"><li>• Perform the DTC inspection for the instrument cluster using the M-MDS. (See DTC INSPECTION [INSTRUMENT CLUSTER].)</li><li>• Is the DTC displayed?</li></ul>	Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [INSTRUMENT CLUSTER].)
		No Go to the next step.
2	<b>VERIFY PCM DTCs</b> <ul style="list-style-type: none"><li>• 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].)</li><li>• Is the DTC displayed?</li></ul>	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.
3	<b>VERIFY THAT REPAIRS HAVE BEEN COMPLETED</b> <ul style="list-style-type: none"><li>• Clear DTC for the instrument cluster using the M-MDS. (See CLEARING DTC [INSTRUMENT CLUSTER].)</li><li>• Switch the ignition ON (engine off or on) and wait for <b>20 s or more</b>.</li><li>• Perform the DTC inspection for the instrument cluster using the M-MDS. (See DTC INSPECTION [INSTRUMENT CLUSTER].)</li><li>• Is the DTC U2005:86 displayed?</li></ul>	Yes Replace the instrument cluster, then go to the next step. (See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION.)
		No Go to the next step.
4	<b>VERIFY IF OTHER DTCs DISPLAYED</b> <ul style="list-style-type: none"><li>• Are any other DTCs displayed?</li></ul>	Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [INSTRUMENT CLUSTER].)
		No DTC troubleshooting completed.