

DTC U2005:68

id080200881500

System malfunction location	PCM communication error (vehicle speed signal)
Detection condition	• The SAS control module receives vehicle speed signal error from the PCM for 5 s or more with the ignition switched ON (engine off or on).
Fail-safe	—
Possible cause	<ul style="list-style-type: none"> • PCM malfunction • SAS control module malfunction
System wiring diagram	—

Diagnostic Procedure

Step	Inspection	Action
1	VERIFY SAS CONTROL MODULE DTCs AGAIN <ul style="list-style-type: none"> • Clear SAS control module DTCs using the M-MDS. (See CLEARING DTC.) • Switch the ignition ON (engine off or on) and wait for 5 s or more. • Perform the SAS control module DTC inspection using the M-MDS. (See DTC INSPECTION.) • Is the DTC U2005:68 displayed? 	Yes Go to the next step.
		No Go to Step 5.
2	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.
3	PERFORM DTC INSPECTION AND VERIFY IF MALFUNCTIONING PART IS PCM <ul style="list-style-type: none"> • Clear SAS control module DTCs using the M-MDS. (See CLEARING DTC.) • Switch the ignition ON (engine off or on) and wait for 5 s or more. • Perform the SAS control module DTC inspection using the M-MDS. (See DTC INSPECTION.) • Is the DTC U2005:68 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 5.
4	VERIFY THAT REPAIRS HAVE BEEN COMPLETED <ul style="list-style-type: none"> • Clear SAS control module DTCs using the M-MDS. (See CLEARING DTC.) • Switch the ignition ON (engine off or on) and wait for 5 s or more. • Perform the SAS control module DTC inspection using the M-MDS. (See DTC INSPECTION.) • Is the DTC U2005:68 displayed? 	Yes Replace the SAS control module, then go to the next step. (See SAS CONTROL MODULE 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.
		No DTC troubleshooting completed.