

DTC P081D:2F [START STOP UNIT]

id0902p6023000

System malfunction location	Neutral switch signal mismatch
Detection condition	<ul style="list-style-type: none"> With the ignition switched ON (engine off or on), the start unit detects that the vehicle speed changes from 0 km/h {0 mph} to 10 km/h {6.2 mph} for a continuous 5 or more times even though the neutral signal from the PCM is being received.
Fail-safe	<ul style="list-style-type: none"> Perform the control with neutral switch signal turned off.
Possible cause	<ul style="list-style-type: none"> DTCs are stored in the PCM. Neutral switch malfunction PCM malfunction Start stop unit 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 NEUTRAL SWITCH <ul style="list-style-type: none"> Inspect the neutral switch. (See NEUTRAL SWITCH INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEUTRAL SWITCH INSPECTION [SKYACTIV-D 2.2].) Is the neutral switch normal? 	Yes Go to the next step.
		No Replace the neutral switch, then go to Step 4. (See NEUTRAL SWITCH REMOVAL/INSTALLATION [C66M-R, C66MX-R].) (See NEUTRAL SWITCH REMOVAL/INSTALLATION [D66M-R, D66MX-R].)
3	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.
4	VERIFY THAT REPAIRS HAVE BEEN COMPLETED <ul style="list-style-type: none"> Clear DTC for the start stop unit using the M-MDS. (See CLEARING DTC [START STOP UNIT].) Perform the following work 5 or more times. <ul style="list-style-type: none"> Drive the vehicle. Vehicle speed changes from 0 km/h {0 mph} to 10 km/h {6.2 mph}. Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION [START STOP UNIT].) Is DTC P081D:2F displayed? 	Yes Replace the start stop unit, then go to the next step. (See START STOP UNIT 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 [START STOP UNIT].)
		No DTC troubleshooting completed.