

DTC P0616:29 [START STOP UNIT]

id0902p6022600

System malfunction location	Starter relay signal malfunction
Detection condition	<ul style="list-style-type: none">• If the following CAN signals are unmatched for 0.5 s or more continuously, and this condition is detected for a continuous 5 or more times.<ul style="list-style-type: none">— Transaxle range sensor (ATX) or starter interlock switch (MTX) condition— Starter relay downstream circuit condition— PCM control result— CAN signal condition output from PCM
Fail-safe	—
Possible cause	<ul style="list-style-type: none">• PCM stores DTCs• 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	PERFORM DTC INSPECTION AND VERIFY IF MALFUNCTIONING PART IS START STOP UNIT <ul style="list-style-type: none">• Clear DTC for the start stop unit using the M-MDS. (See CLEARING DTC [START STOP UNIT].)• With the programmed remote transmitter in the vehicle, switch the ignition ON (engine off).• Depress the clutch pedal and release it. (MTX)• Operate the selector lever to positions from other than P or N and hold for 1 s or more, and perform this procedure 5 or more times. (ATX)• Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION [START STOP UNIT].)• Is DTC P0616:29 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.
3	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.