

NO.1 i-stop WARNING LIGHT (AMBER) ILLUMINATES [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

id1103a5000600

1	i-stop WARNING LIGHT (AMBER) ILLUMINATES
DESCRIPTION	<ul style="list-style-type: none"> i-stop warning light (amber) remains illuminated while engine is running.
POSSIBLE CAUSE	System off recognized due to false detection of i-stop OFF switch <ul style="list-style-type: none"> i-stop OFF switch malfunction <ul style="list-style-type: none"> i-stop OFF switch malfunction Instrument cluster malfunction <ul style="list-style-type: none"> i-stop warning light (amber) illumination circuit in instrument cluster disabled CAN communication line malfunction between PCM and instrument cluster

Diagnostic Procedure

STEP	INSPECTION	RESULTS	ACTION
1	VERIFY DTC <ul style="list-style-type: none"> Retrieve the PCM and instrument cluster DTCs using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See DTC INSPECTION [INSTRUMENT CLUSTER].) Are any DTCs present? 	Yes	Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See DTC TABLE [INSTRUMENT CLUSTER].)
		No	Go to the next step.
2	DETERMINE FALSE ILLUMINATION OF i-stop WARNING LIGHT (AMBER) <ul style="list-style-type: none"> Does the i-stop operate while the i-stop warning light (amber) is illuminated? 	Yes	False illumination of i-stop warning light (amber) can be considered the cause. Go to the next step.
		No	Go to Step 4.
3	DETERMINE IF MALFUNCTION CAUSE IS INSTRUMENT CLUSTER WARNING LIGHT ILLUMINATION CIRCUIT OR ERROR SIGNAL FROM PCM <ul style="list-style-type: none"> Switch the ignition ON (engine off). Access the instrument cluster PID WL+IL and illuminate and turn off the warning light in the instrument cluster using the M-MDS. (See ACTIVE COMMAND MODES INSPECTION [INSTRUMENT CLUSTER].) Does the i-stop warning light (amber) illuminate or turn off according to the M-MDS operation? (See ACTIVE COMMAND MODES TABLE [INSTRUMENT CLUSTER].) 	Yes	Repeat the inspection from Step 1. • If the malfunction is not resolved, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Go to Step 6.
		No	Replace the instrument cluster. (See INSTRUMENT CLUSTER REMOVAL/INSTALLATION.)
4	INSPECT i-stop OFF SWITCH <ul style="list-style-type: none"> Inspect the i-stop OFF switch. (See i-stop OFF SWITCH INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Is there any malfunction? 	Yes	Replace the cluster switch. (See SWITCH PANEL REMOVAL/INSTALLATION.)
		No	Go to the next step.
5*	DETERMINE IF MALFUNCTION CAUSE IS i-stop OFF SWITCH SIGNAL OR OTHER <ul style="list-style-type: none"> Switch the ignition off. Disconnect the cluster switch and instrument cluster connectors. Inspect for continuity between cluster switch terminal B (wiring harness-side) and body ground. Is there continuity? 	Yes	Repair or replace the wiring harness for a possible short to ground, then go to the next step.
		No	Replace the instrument cluster, then go to the next step. (See INSTRUMENT CLUSTER REMOVAL/INSTALLATION.)
6	Verify the test results. <ul style="list-style-type: none"> If normal, return to the diagnostic index to service any additional symptoms. (See SYMPTOM DIAGNOSTIC INDEX [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) If a malfunction remains, inspect the related Service Information and perform the repair or diagnosis. <ul style="list-style-type: none"> If the vehicle is repaired, troubleshooting is completed. If the vehicle is not repaired or additional diagnostic information is not available, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) 		