

NO.25 A/C IS NOT CUT OFF UNDER WIDE OPEN THROTTLE CONDITIONS [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

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25	A/C IS NOT CUT OFF UNDER WIDE OPEN THROTTLE CONDITIONS
DESCRIPTION	<ul style="list-style-type: none"> • A/C compressor magnetic clutch does not disengage under WOT.
POSSIBLE CAUSE	<ul style="list-style-type: none"> • APP sensor malfunction • Loosely installed APP sensor • PCM DTC is stored

Diagnostic Procedure

STEP	INSPECTION	RESULTS	ACTION
1	DETERMINE IF MALFUNCTION CAUSE IS A/C SYSTEM OR OTHER <ul style="list-style-type: none"> • Turn the A/C switch off. • Does the magnetic clutch disengage? 	Yes	Go to the next step.
		No	Perform the symptom troubleshooting "NO.24 A/C IS ALWAYS ON OR A/C COMPRESSOR RUNS CONTINUOUSLY". (See NO.24 A/C IS ALWAYS ON OR A/C COMPRESSOR RUNS CONTINUOUSLY [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
2	VERIFY PCM DTC <ul style="list-style-type: none"> • Retrieve any DTCs using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) • Are any DTCs present? 	Yes	Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
		No	Go to the next step.
3	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].) 		