

NO.29 A/C IS ALWAYS ON OR A/C COMPRESSOR RUNS CONTINUOUSLY [SKYACTIV-D 2.2]

id0103g1899600

29	A/C IS ALWAYS ON OR A/C COMPRESSOR RUNS CONTINUOUSLY
DESCRIPTION	• A/C compressor magnetic clutch does not disengage.
POSSIBLE CAUSE	• PCM DTC is stored. • A/C relay malfunction

Diagnostic Procedure

STEP	INSPECTION	RESULTS	ACTION
1	VERIFY DTC <ul style="list-style-type: none">• Retrieve the PCM, instrument cluster and climate control unit DTCs using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].) (See DTC INSPECTION [INSTRUMENT CLUSTER].) (See DTC DISPLAY [FULL-AUTO AIR CONDITIONER].)• Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-D 2.2].) (See DTC TABLE [INSTRUMENT CLUSTER].) (See DTC TABLE [FULL-AUTO AIR CONDITIONER].)
		No	Go to the next step.
2	INSPECT A/C RELAY <ul style="list-style-type: none">• Switch the ignition off.• Remove the A/C relay.• Inspect the A/C relay. (See RELAY INSPECTION.)• Is the A/C relay normal?	Yes	Go to the next step.
		No	Replace the A/C relay, then 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-D 2.2].)• 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-D 2.2].)		