
NO.24 EXCESSIVE BLACK SMOKE [SKYACTIV-D 2.2]

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24	EXCESSIVE BLACK SMOKE
DESCRIPTION	<ul style="list-style-type: none">• Compared to previously, black smoke in the exhaust gas abnormally high.
POSSIBLE CAUSE	<ul style="list-style-type: none">• PCM DTC is stored.• Diesel particulate filter loss

Diagnostic Procedure

STEP	INSPECTION	RESULTS	ACTION
1	VERIFY PCM DTC <ul style="list-style-type: none">• Retrieve PCM DTCs using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].)• Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-D 2.2].)
		No	Go to the next step.
2	INSPECT CATALYTIC CONVERTER <ul style="list-style-type: none">• Visually inspect the catalytic converter.• Is the catalytic converter normal?	Yes	Go to the next step.
		No	Replace the catalytic converter, then go to the next step. (See EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
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].)		