

DTC U3003:17

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DTC U3003:17	Battery power supply
DETECTION CONDITION	<ul style="list-style-type: none">• Voltage of 17.5 V or more detected by EPS CM internal battery voltage observation.
FAIL-SAFE FUNCTION	<ul style="list-style-type: none">• Control disabled• Power steering malfunction indicator light: Illuminated
POSSIBLE CAUSE	<ul style="list-style-type: none">• Generator malfunction• Poor connection at connectors
SYSTEM WIRING DIAGRAM	—

Diagnostic procedure

STEP	INSPECTION		ACTION
1	INSPECT CHARGING SYSTEM <ul style="list-style-type: none">• Are the generator and drive belt tension normal?	Yes	Go to the next step.
		No	Replace the generator and/or drive belt if necessary. Go to step 3. (See GENERATOR REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See GENERATOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) (See DRIVE BELT REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See DRIVE BELT REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
2	INSPECT WHETHER MALFUNCTION IS CAUSED BY POOR CONNECTION OF EPS CM OR PIN DEFORMATION <ul style="list-style-type: none">• Switch the ignition OFF.• Inspect connection of the EPS CM and wiring harness.• Disconnect the EPS CM connector.• Inspect whether malfunction is caused by bent or poorly connected EPS CM connector pin.• Are the connector connection, connector pins, and wiring harness normal?	Yes	Go to the next step.
		No	Repair or replace the faulty connector wiring harness, then go to the next step.
3	VERIFY THAT THE SAME DTC IS NOT PRESENT <ul style="list-style-type: none">• Make sure to reconnect all disconnected connectors.• Clear the DTC from the memory. (See ELECTRIC POWER STEERING (EPS) ON-BOARD DIAGNOSIS.)• Is the same DTC present?	Yes	Replace the EPS CM, then go to the next step. (See STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION.)
		No	Go to the next step.
4	VERIFY THAT NO OTHER DTCS ARE PRESENT <ul style="list-style-type: none">• Are any other DTCS output?	Yes	Go to the applicable DTC inspection. (See ELECTRIC POWER STEERING (EPS) ON-BOARD DIAGNOSIS.)
		No	DTC troubleshooting completed.