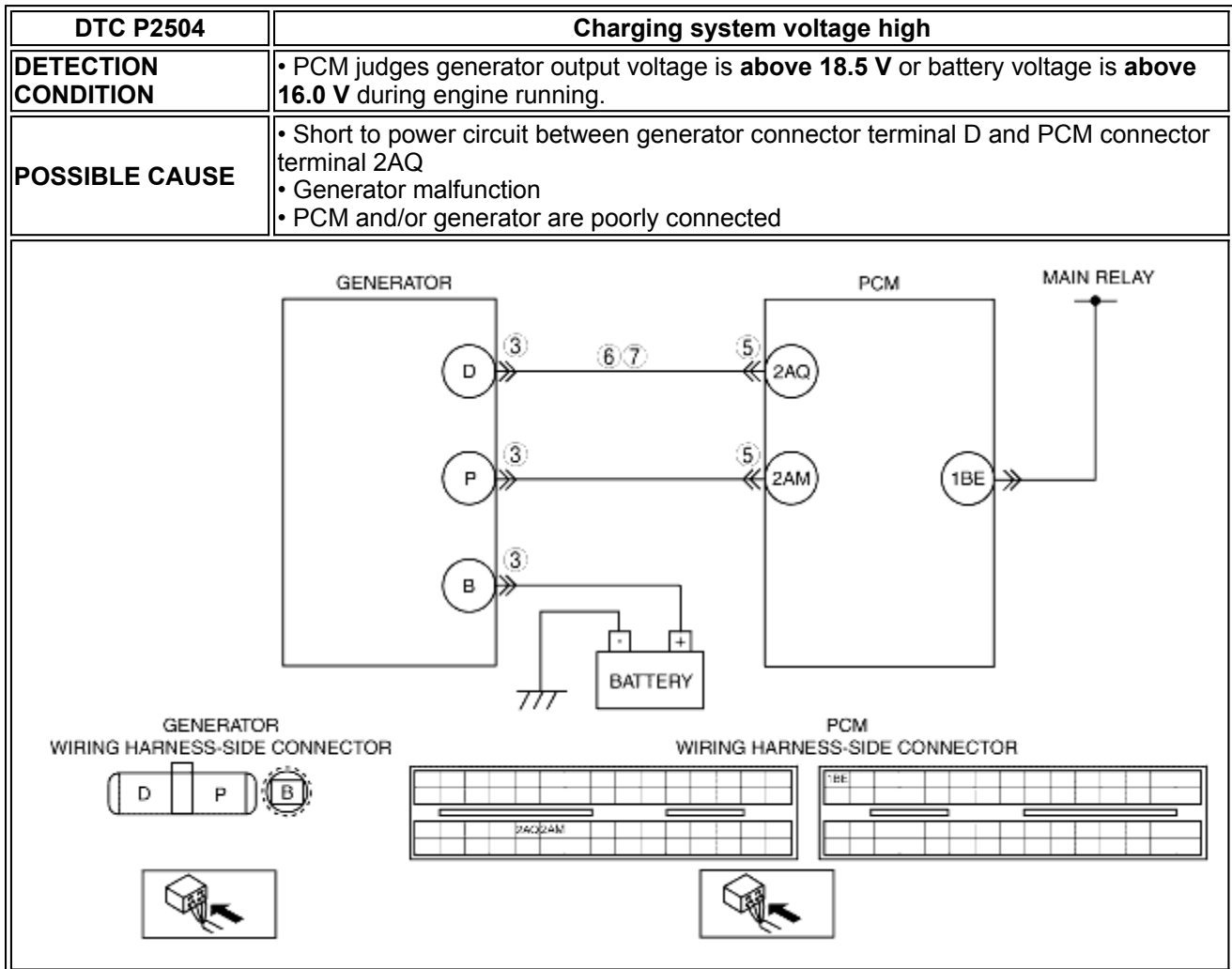


DTC P2504 [LF]

B3E010201083W05



Diagnostic procedure

STEP	INSPECTION		ACTION
1	VERIFY FREEZE FRAME DATA HAS BEEN RECORDED • Has FREEZE FRAME DATA been recorded?	Yes	Go to the next step.
		No	Record the FREEZE FRAME DATA on the repair order, then go to the next step.
2	VERIFY RELATED REPAIR INFORMATION AVAILABILITY • Verify related service repair information availability. • Is any related repair information available?	Yes	Perform repair or diagnosis according to the available repair information. • If the vehicle is not repaired, go to the next step.
		No	Go to the next step.
3	INSPECT POOR CONNECTION OF GENERATOR CONNECTOR • Turn the ignition switch to off. • Disconnect generator connector. • Inspect for poor connection (damaged, pulled-out terminals, corrosion, etc.). • Is there a malfunction?	Yes	Repair or replace terminals, then go to Step 8.
		No	Go to the next step.
	CLASSIFY GENERATOR MALFUNCTION OR		

4	OTHER MALFUNCTION <ul style="list-style-type: none"> • Turn the ignition switch to the ON position (Engine off). • Measure voltage between generator terminal D (wiring harness-side) and body ground. • Is the voltage B+? 	Yes	Go to the next step.
		No	Malfunction at generator. Go to Step 7.
5	INSPECT POOR CONNECTION OF PCM CONNECTOR <ul style="list-style-type: none"> • Turn the ignition switch to off. • Disconnect PCM connector. • Inspect for poor connection (damaged, pulled-out terminals, corrosion, etc.). • Is there a malfunction? 	Yes	Repair or replace pins, then go to Step 8.
		No	Go to the next step.
6	INSPECT GENERATOR CONTROL CIRCUIT FOR SHORT TO POWER <ul style="list-style-type: none"> • Turn the ignition switch to the ON position (Engine off). • Measure voltage between generator terminal D (wiring harness-side) and body ground. • Is the voltage B+? 	Yes	Repair or replace wiring harness for short to power supply, then go to Step 8.
		No	Go to Step 8.
7	INSPECT GENERATOR CONTROL TERMINAL FOR SHORT TO POWER <ul style="list-style-type: none"> • Measure voltage between generator terminal D (part-side) and body ground. • Is the voltage B+? 	Yes	Repair or replace generator, then go to the next step.
		No	Go to the next step.
8	VERIFY TROUBLESHOOTING OF DTC P2504 COMPLETED <ul style="list-style-type: none"> • Make sure to reconnect all connectors. • Clear DTC from PCM memory using WDS or equivalent. • Perform KOER self-test. Start the engine. <ul style="list-style-type: none"> • Is same DTC present? 	Yes	Replace PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [LF] .)
		No	Go to the next step.
9	VERIFY AFTER REPAIR PROCEDURE <ul style="list-style-type: none"> • Perform "After Repair Procedure". (See AFTER REPAIR PROCEDURE [LF] .) <ul style="list-style-type: none"> • Is there any DTC present? 	Yes	Go to applicable DTC troubleshooting. (See DTC TABLE [LF] .)
		No	Troubleshooting completed.