

CAR-NAVIGATION SYSTEM DOES NOT START OPERATION [CAR-NAVIGATION SYSTEM]

id0903e8100000

Possible DTC	Even if the NAVI mode is selected, the car-navigation system screen does not display.
POSSIBLE CAUSE	<ul style="list-style-type: none"> • NAVI switch malfunction • Power supply fuse (+B, ACC) burnt out • Open or short circuit in power supply (+B, ACC, GND) wiring harness • Open or short circuit in power supply (+B, ACC, GND) wiring harness • Open or short circuit in wiring harness between audio unit and car-navigation unit communication system • Car-navigation unit malfunction • Audio unit malfunction

Diagnostic Procedure

Step	Inspection	Action
1	VERIFY MALFUNCTION SYMPTOM <ul style="list-style-type: none"> • Switch the ignition ON (engine off or on). • Turn the audio unit power supply on and select the NAVI mode. • Does the car-navigation system launch and the map screen display? 	Yes Go to Step 6.
		No Go to the next step.
2	DETERMINE IF MALFUNCTION CAUSE IS SWITCH <ul style="list-style-type: none"> • Operate switches other than the NAVI switch. • Do the modes other than the NAVI mode switch normally? 	Yes Go to the next step.
		No Inspect the switch referring to the switch inspection procedure of the diagnostic assist function. (See DIAGNOSTIC ASSIST FUNCTION [AUDIO].)
3	INSPECT CAR-NAVIGATION UNIT POWER SUPPLY <ul style="list-style-type: none"> • Switch the ignition to ACC. • Measure the voltage at the following terminals: <ul style="list-style-type: none"> — Terminal 1H (+B) — Terminal 1G (ACC) • Is the voltage value the battery voltage? 	Yes Go to the next step.
		No <ul style="list-style-type: none"> • Inspect the AUDIO1 15 A or AUDIO2 7.5 A fuse. If the fuse is burned out: <ul style="list-style-type: none"> • Inspect for a short to ground in the wiring harness between the AUDIO1 15A fuse and car- navigation unit terminal 1H, or the AUDIO2 7.5 A fuse and car- navigation unit terminal 1G, and perform repairs. If the fuse is not damaged or burned out: <ul style="list-style-type: none"> • Inspect for an open circuit in the wiring harness between the battery and car-navigation unit terminal 1H or 1G.
4	INSPECT CAR-NAVIGATION UNIT GROUND <ul style="list-style-type: none"> • Switch the ignition off (LOCK). • Disconnect the audio unit connector. • Verify the continuity between ground and the following terminal connectors 1A, 1B, 1C, and 1D on the wiring harness side. • Is there continuity? 	Yes Go to the next step.
		No Inspect and repair the ground point for looseness, disengagement, or lifting. Inspect and repair the wiring harness for an open circuit.
5	INSPECT CAR-NAVIGATION UNIT COMMUNICATION <ul style="list-style-type: none"> • Switch the ignition off (LOCK). • Disconnect the audio unit connector. • Inspect for malfunction between the following wiring harnesses. <ul style="list-style-type: none"> — Audio unit terminal 5A and car-navigation unit terminal 2A — Audio unit terminal 5B and car-navigation unit terminal 2B — Audio unit terminal 5C and car-navigation unit terminal 2C — Audio unit terminal 5D and car-navigation unit terminal 2D • Is any malfunction verified? 	Yes Inspect and repair the wiring harness.
		No Go to the next step.

Step	Inspection		Action
6	DETERMINE IF MALFUNCTION CAUSE IS car-navigation UNIT <ul style="list-style-type: none"> • Switch the ignition ON (engine off or on). • Launch the audio unit diagnostic assist function. (See DIAGNOSTIC ASSIST FUNCTION [AUDIO].) • Select diagnostic assist code 16 external device connection information clearing. • Switch the ignition off (LOCK). • Switch the ignition ON (engine off or on). • Launch the audio unit diagnostic assist function. (See DIAGNOSTIC ASSIST FUNCTION [AUDIO].) • Select diagnostic assist code 15 vehicle NAVI signal verification. • Is NAVI (USB) NG displayed? 	Yes	Replace the car-navigation unit. (See CAR-NAVIGATION UNIT REMOVAL/INSTALLATION.)
		No	Replace the audio unit. (See AUDIO UNIT REMOVAL/INSTALLATION.)