

2012 - Mazda6 - Body and Accessories

NO.8 SPEECH RECOGNITION DOES NOT START [CAR-NAVIGATION SYSTEM]

8	Speech recognition does not start
POSSIBLE CAUSE	• Poor connection of car-navigation unit connector, terminal damage • Microphone malfunction • Open or short circuit in wiring harness between microphone and car-navigation unit. • Car-navigation unit malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	• Switch the ignition to ACC. • Start the navigation. • Display the map screen. • Press the Talk button (at audio control switch). • Is the speech recognition icon displayed on the screen upper left?	YesGo to the next step. NoGo to Step 4.
2	• Start diagnostic function and indicate "Microphone Check" screen. (See DIAGNOSTIC CHECK [CAR-NAVIGATION SYSTEM] .) • Speak greatly toward a microphone. • Inspect the "Microphone input level judging". • Is a judging "OK" (green display)?	YesThe system is normal. CAUTION: • Sound may not be recognized by the influence of the following. ▪ Speaker's utterance method ▪ Road noise

			Other noises
		No	Replace the microphone, then go to the next step.
3	Does the fault phenomenon improve?	Yes	Troubleshooting is completed.
		No	Replace the car-navigation unit. (See CAR-NAVIGATION UNIT REMOVAL/ INSTALLATION.)
4	- Start diagnostic function and indicate "Vehicle Signal" check screen. (See DIAGNOSTIC CHECK [CAR-NAVIGATION SYSTEM].) - Inspect the display of "Microphone" in vehicle signal screen. - Is it display "OK"?	Yes	Go to the next step.
		No	Go to Step 6.
5	- Turn on the audio function (RADIO or CD). - Press the Talk button (at audio control switch). - Does it mute?	Yes	Replace the car-navigation unit. (See CAR-NAVIGATION UNIT REMOVAL/ INSTALLATION.)
		No	Audio control switch related part malfunction. Go to the audio system troubleshooting.
6	- Switch the ignition to off. - Remove the microphone. - Inspect the connection of the microphone connector (6-pin). - Is the connector securely connected?	Yes	Go to the next step.
		No	Securely connect the microphone connector.
7	- Disconnect the microphone connector (6-pin). - Inspect both microphone connector and wiring harness-side connector for poor connection (such as damaged/pulled out pins, corrosion). - Are all the pins normal?	Yes	Go to the next step.
		No	If the microphone connector is wrong: Replace the microphone. (See MICROPHONE REMOVAL/ INSTALLATION.) If the wiring harness-

			side connector is wrong: Repair or replace the pins and/or the connector.
8	- Remove the car-navigation unit. (See CAR-NAVIGATION UNIT REMOVAL/ INSTALLATION.) - Inspect the connection of the car-navigation unit connector (6-pin). - Is the connector securely connected?	Yes	Go to the next step.
		No	Securely connect the car-navigation unit connector.
9	- Disconnect the car-navigation unit connector (6-pin). - Inspect both car-navigation unit connector and wiring harness-side connector for poor connection (such as damaged/pulled out pins, corrosion). - Are all pins normal?	Yes	Go to the next step.
		No	If the car-navigation unit connector is wrong: - Replace the car-navigation unit. (See CAR-NAVIGATION UNIT REMOVAL/ INSTALLATION.) If the wiring harness-side connector is wrong: - Repair or replace the pins and/or the connector.
10	- Inspect the following wiring harness between the microphone and Bluetooth unit. - Terminal A (6-pin, MIC+) — Terminal A (28-pin, MIC IN+) - Terminal B (6-pin, MIC-) — Terminal B (28-pin, MIC IN-) - Terminal C (6-pin, MIC B+) — Terminal C (28-pin, MIC +B) - Terminal E (6-pin, MIC detect) — Terminal E (28-pin, MIC detect) - Is there open or short circuit?	Yes	Repair or replace suspected wiring harness.
		No	Go to the next step.
11	Inspect the following wiring harness	Yes	Repair or replace suspected wiring harness.

	between the Bluetooth unit and car-navigation unit. ▪ Terminal G (28-pin, MIC OUT+) — Terminal A (6-pin, MIC+) ▪ Terminal H (28-pin, MIC OUT-) — Terminal B (6-pin, MIC-) ▪ Terminal E (28-pin, MIC detect) — Terminal E (6-pin, MIC detect) • Is there open or short circuit?		No Replace the car-navigation unit. (See CAR-NAVIGATION UNIT REMOVAL/ INSTALLATION.) Then go to the next step.
12	• Does the fault phenomenon improve?	Yes	Troubleshooting is completed.
		No	Replace the car-navigation unit. (See CAR-NAVIGATION UNIT REMOVAL/ INSTALLATION.)

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		No	If the microphone connector is wrong: Replace the microphone. (See MICROPHONE REMOVAL/ INSTALLATION.) If the wiring harness-

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8	- Remove the car-navigation unit. (See CAR-NAVIGATION UNIT REMOVAL/ INSTALLATION.) - Inspect the connection of the car-navigation unit connector (6-pin). - Is the connector securely connected?	Yes	Go to the next step.
		No	Securely connect the car-navigation unit connector.
9	- Disconnect the car-navigation unit connector (6-pin). - Inspect both car-navigation unit connector and wiring harness-side connector for poor connection (such as damaged/pulled out pins, corrosion). - Are all pins normal?	Yes	Go to the next step.
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