

2012 - Mazda6 - Body and Accessories

CONFIRMATION STEP 2: STEERING SWITCH CONFIRMATION [ENTIRE AUDIO SYSTEM]

- Verify the customer complaint and identify either the steering switch malfunction or audio unit/car-navigation unit malfunction.

STEP	INSPECTION	ACTION	
1	Is the symptom related to either the steering switch or audio panel/car-navigation unit operation?	Yes	Verify the customer complaint and then go to the appropriate symptom troubleshooting procedure.
		No	The symptom is related to the audio panel/ car-navigation unit operation: • Follow the "Confirmation Step 1" (with audio unit). • Replace the car-navigation unit. (See CAR-NAVIGATION UNIT REMOVAL/ INSTALLATION.) The symptom is related to the steering switch operation: • Go to the next step.
2	• Disconnect the audio unit/car-navigation unit connector (24-pin). • Inspect both the audio unit/car-navigation unit and wiring harness-side connectors for poor connection (such as damaged/pulled-out pins, corrosion). ▪ Terminal 1N (steering switch 1) ▪ Terminal 1P (steering switch 2) • Are all the pins normal?	Yes	Go to the next step.
		No	If the audio unit/ car-navigation unit side connector is wrong: • Replace the audio unit/car-navigation unit. (See AUDIO UNIT REMOVAL/ INSTALLATION.) (See CAR-NAVIGATION UNIT REMOVAL/ INSTALLATION.) If the wiring harness-

			side connector is wrong: Repair or replace the pins and/or the connector.
3	- Inspect the continuity between the audio unit/car-navigation unit wiring harness-side connector terminal 1N and 1P while operating the steering switch. - Does the resistance change?	Yes	Verify the customer complaint and then go to the appropriate symptom troubleshooting procedure.
		No	Go to the next step.
4	- Switch the ignition to off. - Remove the steering switch. - Inspect the continuity between the audio unit/car-navigation unit wiring harness-side connector (24-pin) terminal and the steering switch wiring harness-side connector (16-pin) terminal. - Terminal 1N (24-pin) — Terminal G (6-pin) - Terminal 1P (24-pin) — Terminal H (6-pin) - Is there the continuity?	Yes	Replace the steering switch. (See STEERING SWITCH REMOVAL/ INSTALLATION.)
		No	Repair or replace the suspect wiring harness.

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