

2012 - Mazda6 - Body and Accessories

NO.7 ALC FUNCTION IS INOPERATIVE [ENTIRE AUDIO SYSTEM]

7	ALC function is inoperative	
Possible DTC	Audio unit (without display)	16:Er11, 16:Er12
	Audio unit (with display) or car-navigation unit	Device code 16/error code 12
Possible cause	• Open or short circuit in vehicle speed signal wiring harness (e. g., instrument cluster) • CAN signal wiring harness malfunction • Audio unit/car-navigation unit malfunction NOTE: • Inspect the ALC function while driving the vehicle with playing the CD, etc.	

Diagnostic procedure

STEP	INSPECTION	ACTION	
1	• Turn the ALC function to ON. • Inspect the ALC function operation when driving the vehicle at ALC level 3. • Does the ALC system operate properly?	Yes	The system is normal. Explains the ALC function to the customer.
		No	Go to the next step.
2	NOTE: • For vehicles equipped with the audio system, go to the next step. • Switch the car-navigation unit to the diagnostic mode (service inspection). • Select the diagnostic check→the vehicle signal check. (See DIAGNOSTIC CHECK [CAR-NAVIGATION SYSTEM] .)	Yes	Replace the car-navigation unit. (See CAR-NAVIGATION UNIT REMOVAL/ INSTALLATION.)
		No	Go to the next step.

	• Verify the vehicle speed input condition. • Is the vehicle speed input condition normal while driving?		
3	• Retrieve the DTCs from all vehicle modules using the M-MDS. • Is there the following DTC displayed? ▪ Vehicle speed signal wiring harness ▪ CAN signal wiring harness	Yes	Go to the appropriate DTC inspection.
		No	Replace the audio unit/car-navigation unit. (See AUDIO UNIT REMOVAL/ INSTALLATION.) (See CAR-NAVIGATION UNIT REMOVAL/ INSTALLATION.)

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