

Audio Control Module (ACM) Self-Diagnostic Mode

NOTE: If the Audio Front Control Module (ACM) is inoperative (blank or does not power on), obtain the ACM part number by referencing the label attached to the Audio Front Control Module (ACM) chassis.

1. Turn the ACM on.
2. Operate the audio system in radio tuner AM/FM mode.
3. Press and hold preset buttons 3 and 6 for 3 seconds until the speaker walk around test begins.
 - The display indicates each speaker as it is tested.
4. **NOTE:** If the speaker walk around test is the only test required, this procedure can be stopped after Step 3 by turning the ACM off.

Before the speaker walk around test is complete, the following actions can be performed:

Preset Button Press	Diagnostic Function	Display	Diagnostic Function Description
1	<u>ACM</u> Self-Test	SELF TEST, SELF PASS, SELF FAIL	The <u>ACM</u> carries out a self-test. At the end of the self-test, the display indicates either SELF PASS, or SELF FAIL. If the self-test failed, DTCs can be accessed by pressing the TUNE UP button.
2	View DTCs	NO DTCS, DTCS FOUND	The <u>ACM</u> displays DTCS FOUND if DTCs are present. To scroll through the DTCs, press the TUNE UP button. If no DTCs are present, the <u>ACM</u> displays NO DTCS. To clear DTCs, press the EJECT, then TUNE UP button.
3	AM/FM Antenna Signal Strength	SIGNAL ###	The <u>ACM</u> displays the AM/FM antenna signal strength. To view the AM signal strength, the audio system must be in AM radio tuner mode before entering the <u>ACM</u> self-diagnostic mode. To view the FM signal strength, the audio system must be in FM radio tuner mode before entering the <u>ACM</u> self-diagnostic mode. If no antenna is present, a signal strength of 0 will be displayed.
4	Software Levels	SOFT LEVELS	The <u>ACM</u> displays software levels for various components of the audio system. Knowing the software levels may aid diagnostics. Press the TUNE UP button to scroll through the software levels.
5	Display Test	DISPLAY TEST, then all segments illuminate	All of the <u>ACM</u> display segments illuminate.
6	Retrieve <u>ACM</u> Part Number	RADIO CONFIG	The <u>ACM</u> displays the <u>ACM</u> part number and various configuration levels. Press the TUNE UP button to scroll to the desired function.

5. To exit the self-diagnostic mode, turn the ACM off.

mcx30.com