

## Document Information

**Location:** Electrical - Infotainment

**Topic:** Radio tuner operates in wrong frequency range

**Condition:** After replacement of Infotainment (ADI) ECU

**Diagnostic Trouble Codes:** N/A

In the ADI system the FM and AM tuners are located within the Infotainment ECU (ICU), which is located in the electric city. The ICU unit is available in four different configurations for different regions, Europe, Rest Of World, North America and Japan. Each region uses a different hardware part number. All ICU modules are delivered from Unipart with pre-configured tuner configuration, however if the frequency range is not suitable for your market it can be configured using the MDS Sequence named "Radio Configuration".

**Care Point:** Before making any adjustment to the tuner configuration the original configuration should be viewed using within the ADI Actual Values.

If the tuner is not configured correctly, the values will display the following:

**Radio\_Configuration\_Read**

FMMinFreq\_SCW 76.0 MHz

FMMaxFreq\_SCW 90.0 MHz

FMFreqStepSize\_SCW 50\_kHz

AMMinFreq\_SCW 520 kHz

AMMaxFreq\_SCW 1600 kHz

AMFreqStepSize\_SCW 9\_kHz

To configure the tuner, use the following procedure:

1. Using MDS - ADI - Sequences - Radio Configuration

2. Select the correct Region settings from the list
3. Then enter the HEX string that is for your market exactly as written all in capital letters and no spaces (see table below)
4. Press OK and wait for "Operation Successful" then return to sequence list
5. Run sequence "Set Configuration Defaults"
6. Select the button on the left "Reset" not the button on the right "Reset and Erase"
7. Clear all DTCs
8. Sleep the vehicle
9. Wake vehicle to Ignition State 5, check the Tuner is correct for your market (see table below)

Market/Region	FM Range	FM Step	AM Range	AM Step	HEX String
Australia/New Zealand	87.5 - 108.0 MHz	50 kHz	531 - 1701 kHz	9 kHz	2E02A273B4000B6500
EU	87.5 - 108.0 MHz	100 kHz	531 - 1602 kHz	9 kHz	2E02A273B4010B0200
Japan	76.0 - 99.0 MHz	100 kHz	522 - 1629 kHz	9 kHz	2E02A2005A01021D00
Brazil	76.0 - 108.0 MHz	50 kHz	531 - 1602 kHz	9 kHz	2E02A200B4000B0200
North America	87.9 - 107.9 MHz	200 kHz	530 - 1700 kHz	10 kHz	2E02A277B3020A6401
ROW	87.5 - 108.0 MHz	50 kHz	531 - 1602 kHz	9 kHz	2E02A273B4000B0200

## Parts Information

N/A

## Warranty Information

Resolution Category

Casual Part Number: N/A

Casual Part Name: N/A

Casual Issue: N/A

Rectification: N/A

Time: N/A

## Attachments

N/A

## KA Updates Information

N/A

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