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Document Information

Location: Electrical - Infotainment

Topic: How to configure that radio tuner when radio operates in the wrong frequency range for your market

Condition: After replacement of the ICU module or loss of frequency range post software update

Diagnostic Trouble Codes: N/A

Measure

Care Point: This KA is not applicable for the McLaren GT. Please refer to KA-01326 for this vehicle.

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

Attachments

N/A

KA Update Information

21/04/2021 KA Review

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