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SUBJECT:

No Sound From Radio Speaker/Amplifier When IOD Fuse Is Installed

OVERVIEW:

This bulletin involves a procedure that will reset the radio speaker amplifier after the IOD fuse has been installed.

MODELS:

2005 (WK/WH) Grand Cherokee

NOTE: This bulletin applies to vehicles equipped with Boston Accoustic Speakers (sales code RC6).

DISCUSSION:

A technician or customer may experience a condition where no sound is generated by the audio system (the radio amplifier and speaker) when the Ignition Off Draw (IOD) fuse is first installed. During this condition the radio display will illuminate as designed and the radio controls will appear to function correctly.

This condition may be experienced when a vehicle predelivery is being performed by the dealer technician or any time after the IOD fuse has been reinstalled following prior removal.

This condition may be caused by the radio amplifier. The **radio is** powered by the IOD fuse and will stop sending command messages to the radio amplifier when the IOD fuse is removed or when it is turned off. The **radio amplifier is not** powered by the IOD fuse and remains awake for a period of time waiting for command messages from the radio. Without command messages from the radio, the radio amplifier will remember the last known command message status from the radio which was "radio off". The radio amplifier will store the "radio off" command and may not generate sound until the amplifier is reset.

The radio amplifier can be reset so that it is operational using one of the following two procedures.

Radio amplifier reset procedure 1 (induced "sleep" mode):

1. Verify that the IOD fuse is fully installed.
2. Disconnect any diagnostic scan tools from the vehicle. Diagnostic scan tools when connected to the vehicle may keep some modules and the communication bus from going into "sleep" mode.



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3. Turn the ignition switch to the "OFF" position and remove the ignition key.
4. Make sure all doors, hood, liftgate are closed. Make sure all accessories are turned off. Open the driver side door and close it.
5. Wait one minute before performing any activity to the vehicle to allow the vehicle modules and communication bus to go into "sleep" mode.

Radio amplifier reset procedure 2 (battery disconnect):

1. Verify that the IOD fuse is fully installed.
2. Disconnect the negative battery terminal from the battery.
3. Wait five (5) seconds.
4. Connect the negative battery terminal to the battery.

POLICY:

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