

## **PERSONAL INJURY CAUTION**

*Appropriate service methods and proper repair procedures are essential for the safe, reliable operation of all motor vehicles, as well as for the personal safety of the person doing the repair. There are many variations in procedures, techniques, tools and parts for servicing vehicles, as well as in the skills of the people doing the work. This manual cannot possibly anticipate all such variations and provide advice or precautions for each. Anyone who deviates from the instructions provided in this manual must ensure their own safety and preserve the safety and integrity of the vehicle. The following list contains general precautions that should always be followed while working on a vehicle.*

- *Safety stands are required whenever a procedure calls for underbody work.*
- *Do not smoke when you work on a vehicle.*
- *To prevent serious burns, do not touch any hot metal parts.*
- *Set the parking brake when you work on the vehicle.*
- *Turn the ignition switch OFF unless a procedure states otherwise.*
- *The engine may operate only in a well-ventilated area.*
- *Avoid moving parts when the engine is running.*
- *Safety glasses must be worn for eye protection.*



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We support voluntary technician certification through the National Institute for Automotive Service Excellence.

# **NUBIRA/LACETTI**

## **Service Manual**

### **(MY2004)**

#### **FOREWORD**

This manual includes procedures for maintenance, adjustment, service operations, and removal and installation of components for the NUBIRA/LACETTI vehicle.

When reference is made in this manual to a brand name, number, or specific tool, an equivalent product may be used in place of the recommended item.

All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of publication approval. The right is reserved to make changes at any time without notice.

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# SECTION : 9F

## AUDIO SYSTEMS

**CAUTION :** Disconnect the negative battery cable before removing or installing any electrical unit or when a tool or equipment could easily come in contact with exposed electrical terminals. Disconnecting this cable will help prevent personal injury and damage to the vehicle. The ignition must also be in LOCK unless otherwise noted.

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## SPECIFICATIONS

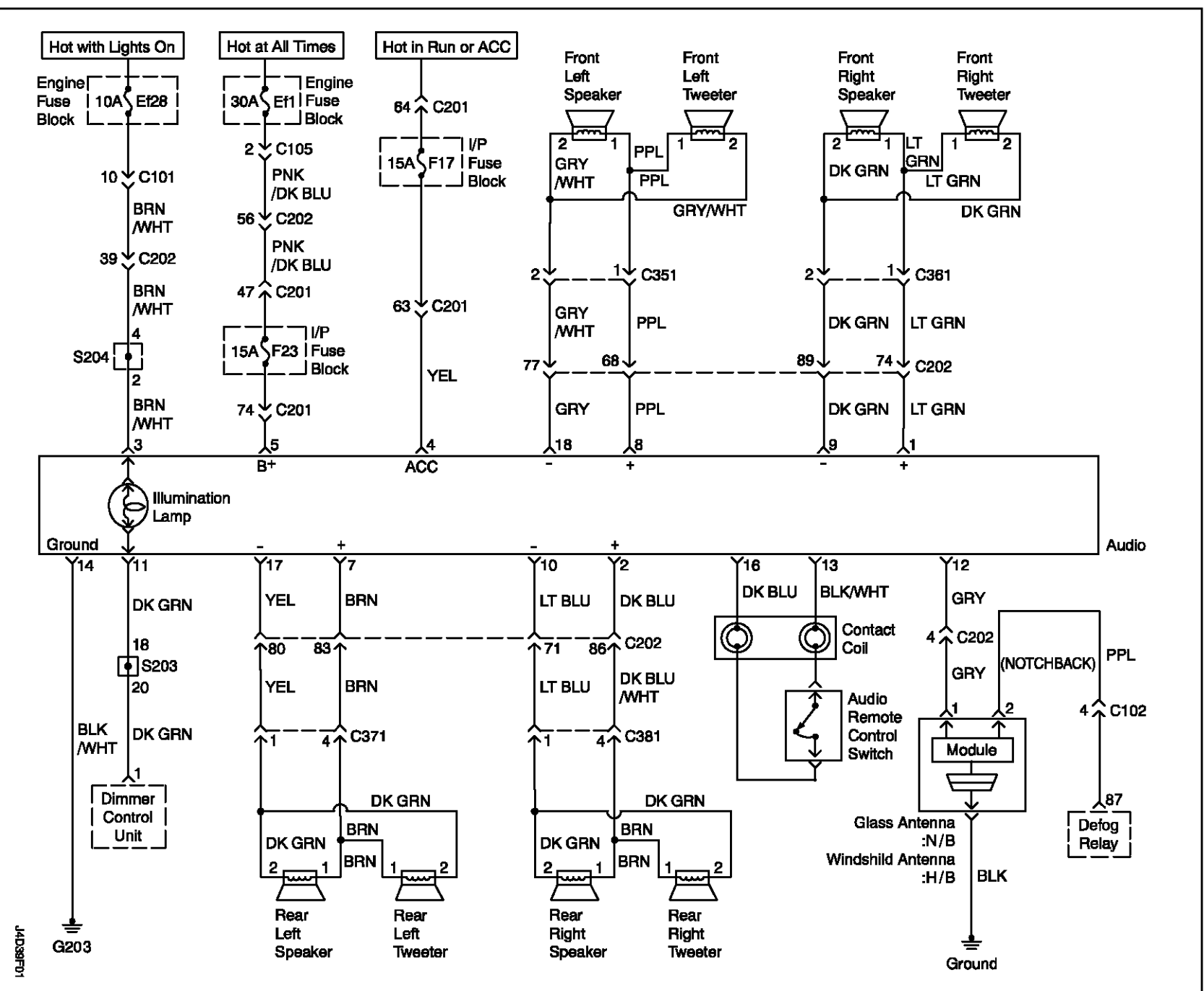
### FASTENER TIGHTENING SPECIFICATIONS

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## SCHEMATIC AND ROUTING DIAGRAMS

# AUDIO SYSTEM CIRCUIT



# DIAGNOSIS

## STEREO CASSETTE AM/FM RADIO

### CD Player Inoperative, AM/FM Functions OK

Step	Action	Value(s)	Yes	No
1	Using a good-quality CD, determine if the CD player performs poorly or is inoperative. Does the CD player function correctly?	–	Go to <i>Step 2</i>	Go to <i>Step 3</i>
2	Inform the customer that the problem is with the CD, not the CD player. Has the customer been informed?	–	System OK	–
3	Check the CD player for obstructions behind the tape door. Is an obstruction found?	–	Go to <i>Step 4</i>	Go to <i>Step 6</i>
4	Check to see if the obstruction can be removed. Can the obstruction be removed?	–	Go to <i>Step 5</i>	Go to <i>Step 6</i>
5	Remove the obstruction. Is the repair complete?	–	System OK	–
6	Replace the CD player. Is the repair complete?	–	System OK	–

### AM/FM Cassette Radio Inoperative

Step	Action	Value(s)	Yes	No
1	Check fuses F23 and F17. Are fuses F23 and F17 blown?	–	Go to <i>Step 2</i>	Go to <i>Step 3</i>
2	1. Check for a short circuit and repair it, if necessary. 2. Replace the blown fuses. Is the repair complete?	–	System OK	–
3	1. Use a voltmeter to test for battery voltage at fuse F23. 2. Turn the ignition ON and test for battery voltage at fuse F17. Does the battery voltage match the specified value at fuses F23 and F17?	11–14 v	Go to <i>Step 5</i>	Go to <i>Step 4</i>
4	Repair the power supply circuit to the fuses. Is the repair complete?	–	System OK	–
5	1. Remove the cassette radio. 2. Turn the ignition ON. 3. Use a voltmeter to test for battery voltage at the audio system connector terminals 4 and 5. Does the battery voltage match the specified value at both terminals?	11–14 v	Go to <i>Step 7</i>	Go to <i>Step 6</i>
6	Repair the open circuit between the audio system connector and the fuse. Is the repair complete?	–	System OK	–
7	Use an ohmmeter to test the ground circuit at the audio system connector terminal 14. Does the resistance match the specified value?	$\approx 0 \Omega$	Go to <i>Step 9</i>	Go to <i>Step 8</i>