

1998 Lexus ES300 stereo install

1. Before photo - stock stereo



LEXUS
PREMIUM SOUND SYSTEM

POWER



AM



SCAN P.SCAN

FM1/2



TAPE

CD

BASS MID TREBLE BALANCE FADER



AUTO * OFF < FAN > MODE A/C



1998 Lexus ES300 (without Nakamichi & with non-functional 6-disc CD changer in glove box)

2. Goodies to install!



Parts list:

1. Sony MEX-N5100BT
http://www.crutchfield.com/p_158N5100BT/Sony-MEX-N5100BT.html
 2. Metra 99-8155 Dash Kit
http://www.crutchfield.com/p_120998155/Metra-99-8155-Dash-Kit.html?tp=3121
 3. Metra 70-8112 Wiring Harness
http://www.crutchfield.com/p_120708112/Metra-70-8112-Receiver-Wiring-Harness.html?tp=2977
- Not pictured----
4. Four channel Ground Loop Isolator
http://www.monoprice.com/Product?c_id=108&cp_id=10844&cs_id=1084402&p_id=6909
 5. Auto trim removal kit

<http://www.amazon.com/dp/B009QLBDSW/>

6. Crimp connectors

<http://www.amazon.com/Install-Bay-CC2218-Connector-100-Pack/dp/B005HQ4T6I>

7. (Crimp) pliers

8. Electrical tape

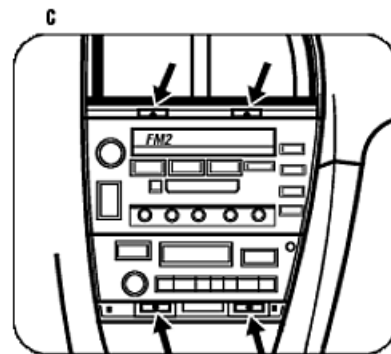
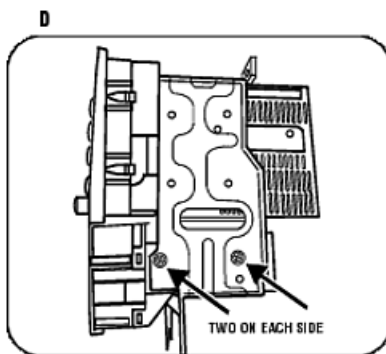
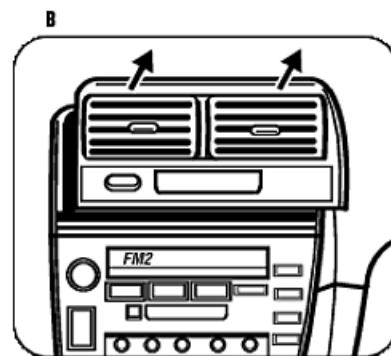
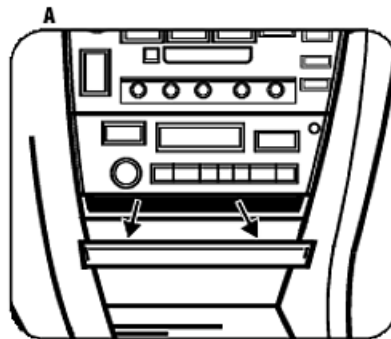
9. Zip ties

3. Metra 99-8155 Dash Kit Instructions



1997-2001 LEXUS ES SERIES

- 1 Disconnect the negative battery terminal to prevent an accidental short circuit.
- 2 Carefully pry out and remove small trim panel between ashtray and bottom of climate control. (Figure A)
- 3 Using a small flat blade screwdriver gently pry out on the top of the A/C vent assembly (including clock) and remove. (Figure B)
- 4 Remove (4) retaining screws securing factory radio/climate control assembly to remove. (Figure C)
- 5 Remove (4) retaining screws securing factory climate control to bracket assembly. (Figure D)



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Source: <http://www.carid.com/images/metra/stereo-dash-kit/pdf/metra-99-8155-installation-instructions.pdf>

4. Metra 70-8112 Wiring Harness Documentation



70-8112
INSTALLATION
INSTRUCTIONS

1992-1999

Toyota

AMP Integration Harness



REV. 110503

PIN	COLOR	FUNCTION
1	Blue / White	AMP Turn On
2	Orange	Illumination
3	Red	Accessory
4	Yellow	Constant 12V
5	Brown / White	Mute
6	White	Lt Front AMP input (+)
7	Gray	Rt Front AMP input (+)
8	Blue	Power Antenna
9	Not Used	N/A
10	Brown	Telephone Mute
11	Black	Ground
12	Black / White	Signal Ground
13	Brown / Yellow	Beep
14	Green	Lt Rear AMP input (+)
15	Purple	Rt Rear AMP input (+)

Source: <http://www.metraonline.com/files/products/INST70-8112.pdf>

5. Remove trim panel between climate control and ashtray



Carefully remove two exposed screws - do not let them drop into the console opening!

6. Remove A/C vent assembly



Carefully remove two exposed screws - do not let them drop into the console opening!

7. 4 10mm screws removed



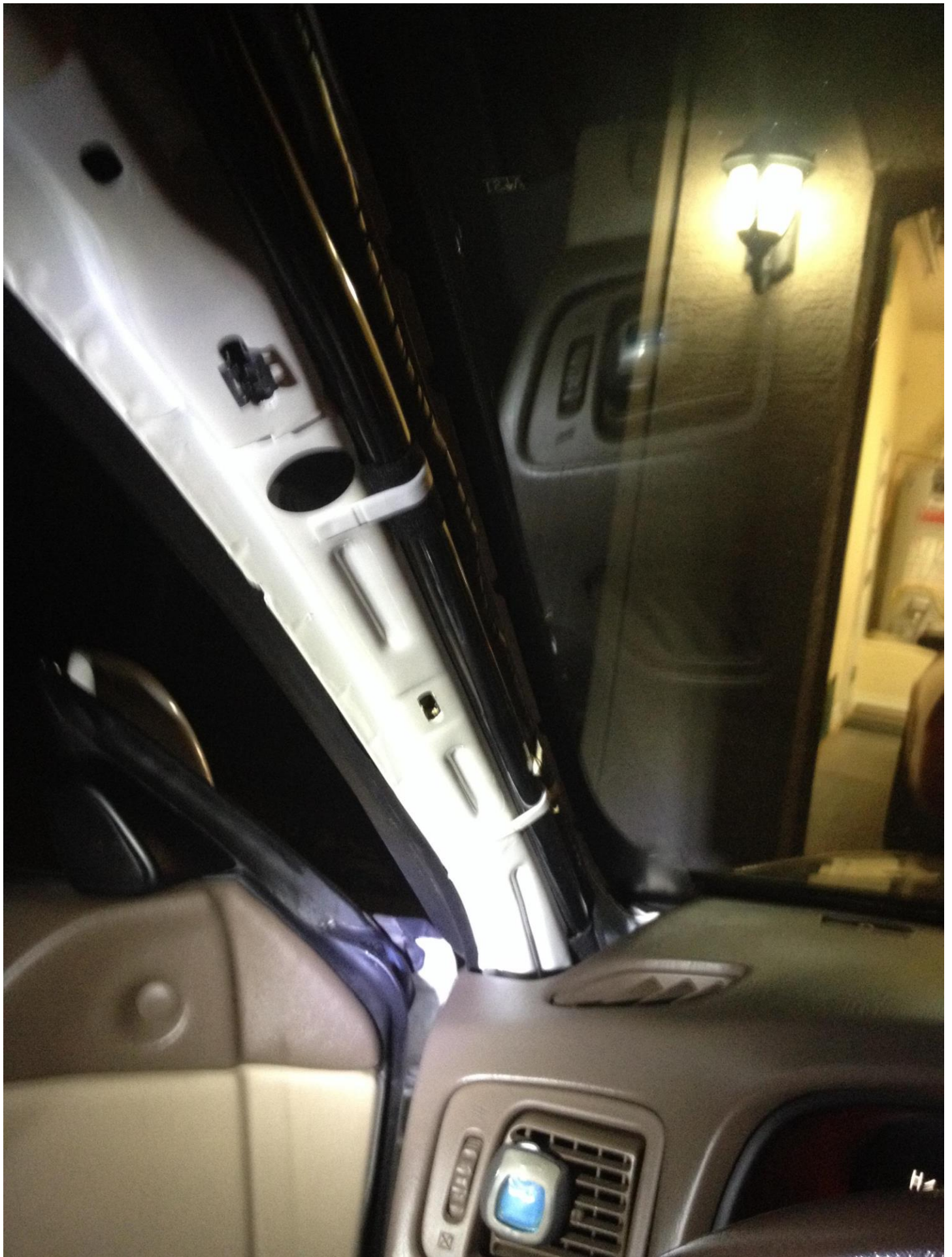
8. Unplug and remove factory stereo & climate control unit



9. Pry A-pillar cover off



10. A-pillar cover removed



11. Install Bluetooth mic



Run Bluetooth mic along existing wiring on the A-pillar

12. Fish Bluetooth mic wire into console opening



Zip tie excess BT mic wiring to remove slack

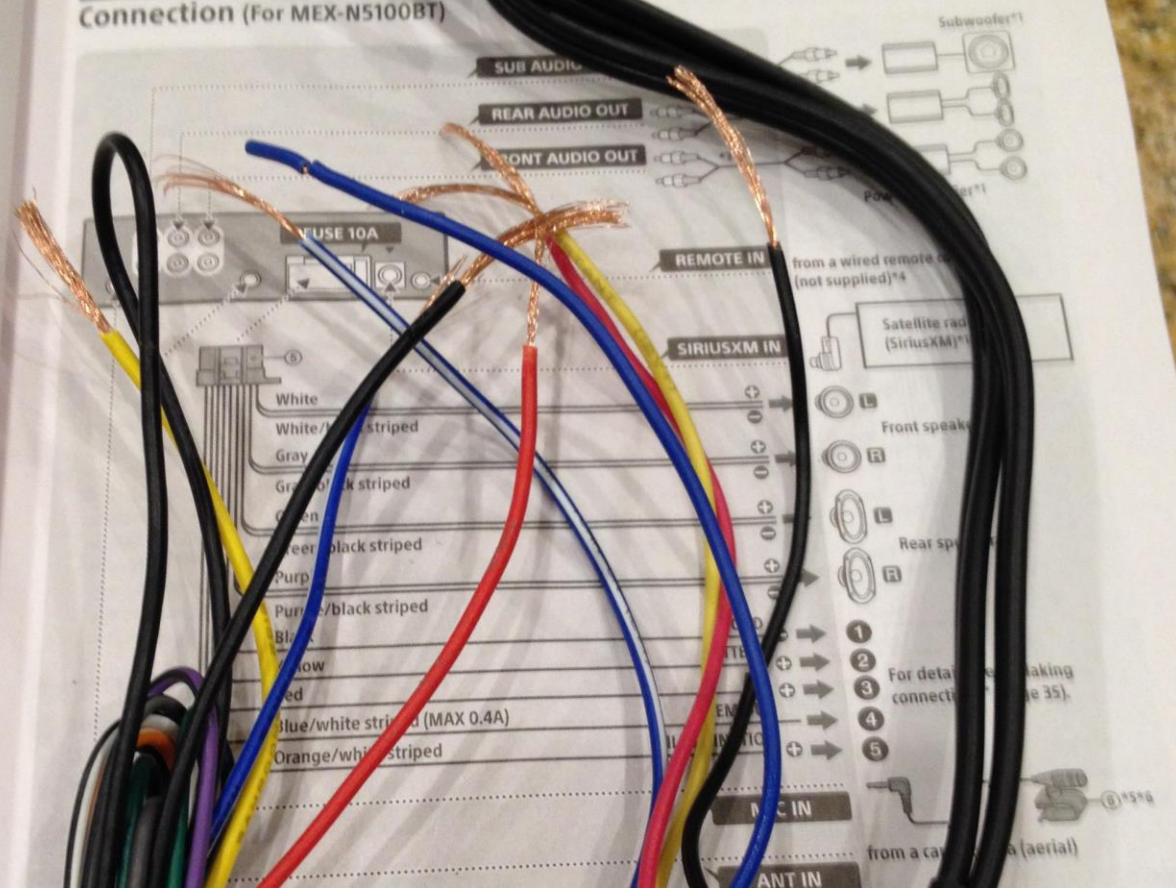
13. Assemble climate control and new stereo into Metra dash kit



14. Strip wires for the new stereo connector and Metra wiring harness

Installation

Connection (For MEX-N5100BT)



5 = max. 8 mm
(7/32 = max. 5/16 in)

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(not supplied)

*3 F...
...n the type of car, use an adaptor for a
...e control (not supplied).

5 Whether in use or not... the microphone input
...uch that it does not interfere with driving
...ptions. Secure... with a clamp, etc., if it is
...nsulated around... set.

*6 For details on... the microphone, see
...nstalling... microphone (MEX-N5100BT only)"
(page...)

Wires to strip & connect (caution - do not cut the RCA plugs!):

1. Black (ground) connects to black
2. Yellow (battery) connects to yellow
3. Red (accessory) connects to red
4. Blue/white striped (AMP turn on) goes to blue/white striped

15. The new wiring harness and ground loop isolator connected



The ground loop isolator was needed to eliminate alternator/engine whining noise. I tried connecting the stereo ground wire to a metal bracket (see <http://www.clublexus.com/forums/es-1st-to-4th-gen-1990-2006/317516-weird-whining-noise-from-speakers-2.html#post3058242>) but it did not eliminate the alternator/engine whining noise. The ground loop isolator worked.

16. Wiring harness & ground loop isolator connected to back of aftermarket stereo



17. Finished install



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PREMIUM SOUND SYSTEM



Ensure you have connected:

1. Radio antenna (only 1 needed - the larger one)
2. Bluetooth mic
3. Radio harness
4. Climate control connectors
5. Clock
6. Hazard indicator button