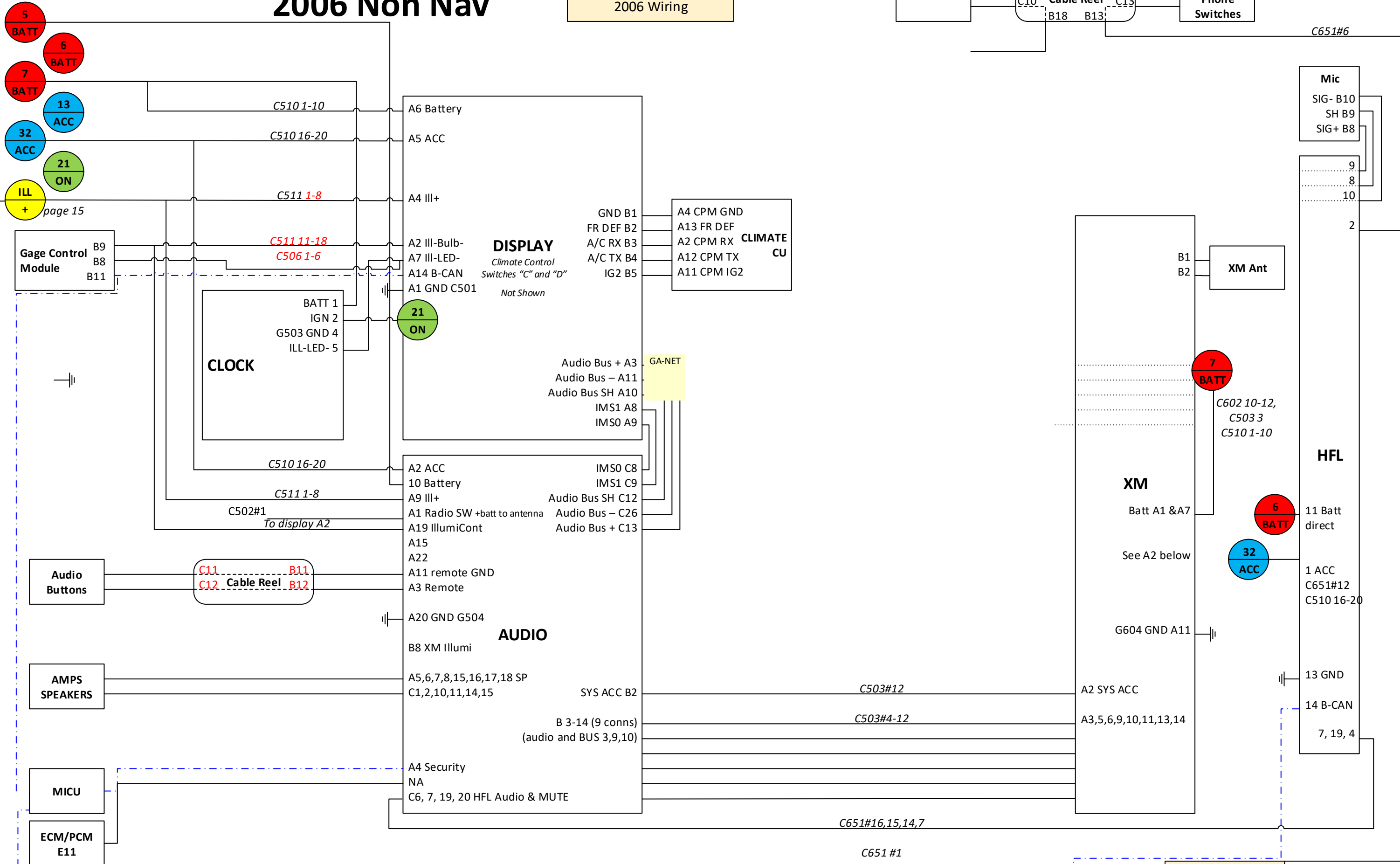


FUSES

# 2006 Non Nav

2006 Wiring



2006 Wiring

Acura TL  
2007-2008 Nav

# 2008 Nav

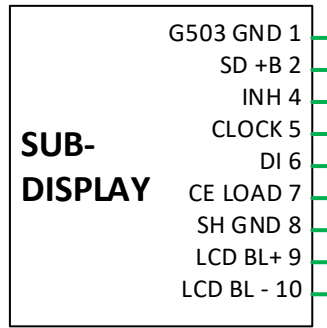
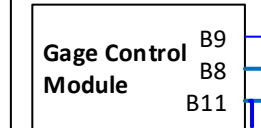
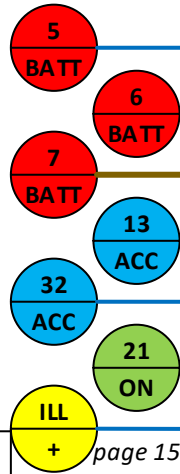
2008 Wiring

Talk/Back HFL  
Command  
Switches

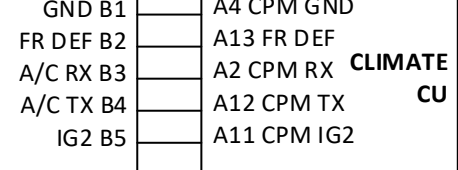
C10 Cable Reel  
B18 B10

Talk/Back  
Phone  
Switches

FUSES



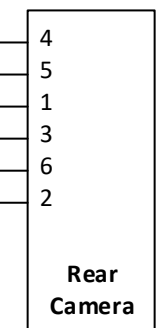
**DISPLAY**  
Climate Control  
Switches "C" and "D"  
Not Shown



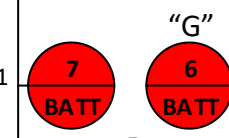
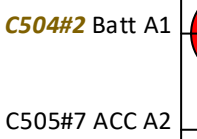
**NAV  
BOX**

Voice  
Commands

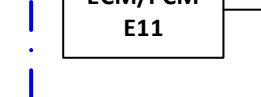
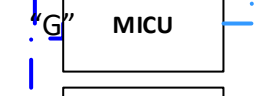
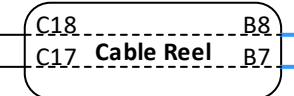
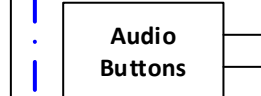
Buttons,  
Touch Screen,  
Display Data



**XM**

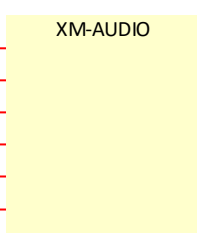
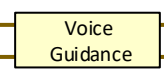


**HFL**



OBD #7 C509 group3

**AUDIO**



2006 Wiring

2008 Wiring

Acura TL  
2007-2008 Nav

Right Side

1 - At the right kick panel all 3 connectors, C503, C504, C601 will be configured for 2008 NAV and XM wiring. This means that wiring from these connectors back to the rear will all follow 2008 wiring. For my project, wiring from a 2008 Nav TL will be used for this front to back, right side run. This run is referred to as the floor wire harness right branch. If using 2008 wiring it is suggested to remove all non NAV/XM wiring from the floor harness. Note that the 2006 non-Nav does not have a C504 or C601 connector.

2- The C603 junction connector and the C832 AcuraLink reprogramming connector is part of the 2008 right floor branch in the rear and will be retained as part of the 2008 right floor wiring. Both are near the right rear C-pillar. C603 is YEL 20 positions and has only F-CAN and GA-NET connections.. Note that non-nav 2006 does not have either connector.

3 - The C602 junction connector is on the right floor. The 2006 C602 will remain as-is. The 2008 C602 will not be used since it only supplied 2 NAV/XM wires out of its 21 wires and keeping it would be confusing. These 2 wires are discussed in #4 below.

4 - In addition to the wiring above, the following are also required to have a 100% complete 2008 right floor branch trunk run for the XM and the NAV boxes.

- XM Fuse 21 – 2008 XM A12 taps into the wire from 2008 C602 to Fuse 21. In the 2006, that ACC power came from Audio/Radio B2 but that is not available with 2008 Audio. **For 2008 XM ACC power, connect 2008 XM A12 to 2006 TPMS A5 YEL which is the smaller BLU TPMS connector.** TPMS is behind the passenger seat back on the left. An optional 2006 connection is at the passenger seat belt connector, a BRN 2-connector position #1 the YEL/YEL+BLK wire.
- NAV Illumination Signal – 2008 NAV A5 RED/BLK connects to the 2008 C602. **This wire can be connected to 2006 wiring at a side marker, license plate or brake/tail light.** This wiring is RED/BLK for 2006.
- F-CAN Low and High are typically run together in a black jacket (2004 and 2005 are shielded wires).
  - F-CAN Low – 2008 F-CAN low goes from NAV A18 & XM A16 to 2008 C603 #1-4 then C521 #12 (left side of dash near the OBD) then C512 (under the middle of the dash) and ends at Gauge A14, all red. 2006 **F-CAN low is available at 2006 TPMS B10** which is the larger BLU TPMS connector, C515 (13-WHT at left side of dash near the OBD) #12, C512 G3, F3, E3, D3 or C3 (under the middle of the dash) and 2006 Gauge A14, all RED.
  - F-CAN High – 2008 F-CAN high goes from NAV A8 & XM A6 to 2008 C603 #11-14 then C521 #13 (left side of dash near the OBD) then C512 (under the middle of the dash) and ends at Gauge A13, all WHT. **2006 F-CAN high is available at 2006 TPMS B19** which is the larger BLU TPMS connector, C515 (13-WHT at left side of dash near the OBD) #13, C512 G2, F2, E2, D2 or C2 (under the middle of the dash) and 2006 Gauge A13, all WHT.

Right Side, continued

- XM B-CAN – 2008 XM C5 PNK connects to G1 at the under-dash fuse box. 2006 XM did not use B-CAN. 2006 B-CAN connects are at Gauge Control Module B11 BRN/YEL which is the smaller WHT connector behind the gauges. Also the **Display Panel A22** connector and the HFL connector has B-CAN connections.
- Backup Signal - 2008 NAV C5 GRN connects to C504#10 then to C506 (under left side of dash) #10. This is the same 12V power to the back-up lights GRN routed thru the 2008 C602. The 2006 NAV has similar wiring. **For a connection to 2006 non-nav, connect at a backup light GRN**, or at C701 (left rear C-pillar just below pillar trim piece) a 8-position WHT connector on position #5 – GRN wire, or at 2006 C602 #7-9.

5 - GA-NET – For 2008, the GA-NET (/en.wikipedia.org/wiki/IEBus) is a two-wire + shield connection between Audio/Radio, Display Panel, NAV and XM. The common connection for this bus is the 2008 C603. The 2008 C603 is wired up to NAV and XM and connects to Audio via C503 and Display via C504.

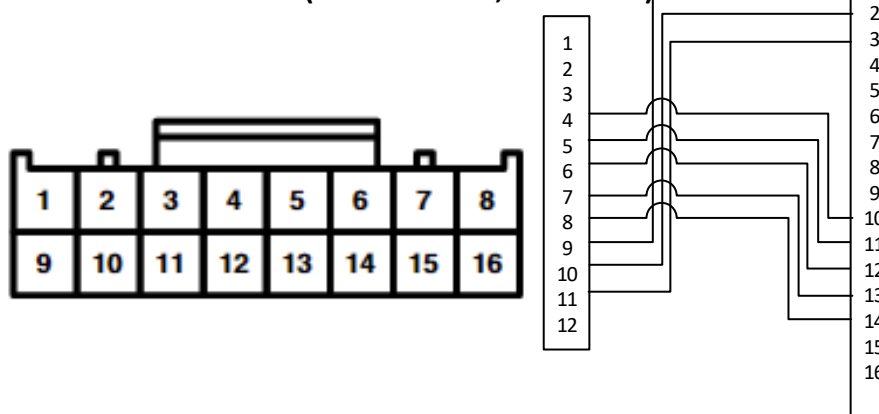
Right Front

**1 – C503** WHT 12 on 2006, 16 on 2008. **Use 2008 wiring, which mostly goes to Audio B, no adaptation at C503 except \*2.**

Name	2006	2008
Not Used	1,2	4,5,6,7,8,9,16
Fuse 7 to XM(keep?)	3 WHT/RED	NA
Audio to XM SH	4 GRY or BLK	10 GRY
Audio to XM L-	5 GRN	11 GRN
Audio to XM L+	6 RED	12 RED
Audio to XM R-	7 BLK	13 BLK
Audio to XM R+	8 WHT	14 WHT
Audio to GANET SH	9 BRN or BLK	1 BLK
Audio to GANET -	10 PNK	2 RED/BLU
Audio to GANET +	11 BLU	3 RED/WHT
Audio to XM ACC*1	12 ORN	NA
HIP MUTE	NA	15 YEL *2

\*1 - drop at radio conn B (if 2006 wiring used to Audio B)

\*2 - Goes to audio C8 (cut near C503, reconnect)



Right Front, continued

**2 – C504** NA on 2006, 21 BRN on 2008 Keep:

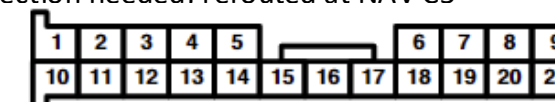
Name	2008	Connect in Front to
Not Used	8,9,20,21	
HFLCmmnd Voice Sw	1 BRN	Cable Reel B18*1
Fuse 7 Hot`	2 WHT/RED	C510 #1-10 then X35*2
Video G Signal	3 RED	Display E2
Video C Signal	4 BRN	Display E12
Display to GANET SH	5 GRY	Display E15
Audio to XM RG SH	6 LT GRN	Wiring SH– no connection
Fuse 32 ACC	7 YEL/RED	510 #16-20 then N36*3
Backup Signal	10 GRN	*4
Video SH Signal	11 BLK	Display E13
Video R Signal	12 WHT	Display E1
Video B Signal	13 BLU	Display E 11
Video GND Signal	14 BLU	Display E3
Display to GANET -	15 RED/BLU	Display E14
Display to GANET +	16 RED/WHT	Display E4
Audio to NAV RG GND	17 BLU/RED	Audio A12
Audio to NAV RG +	18 WHT	Audio A13
Vehicle Speed	19 LT BLU	see Audio C26

\*1 – See Cable Reel Voice Cntrl section. Remove steering wheel – ck B4/C4

\*2 – Option to tap into Display A10

\*3 – Option to tap into Audio A2 or Display A9

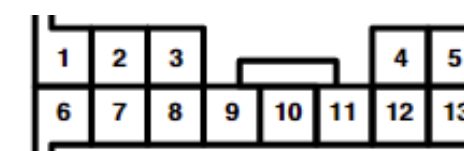
\*4 – no connection needed. rerouted at NAV C5

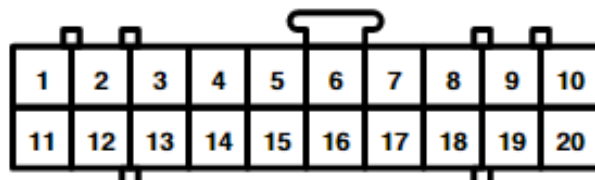


**3 – C601** NA on 2006, 13 WHT on 2008 Keep:

Name	2008	Connect to:
Not Used	4,5,8*	
TELM SIG SH	1 GRY	C652#1-6 - XM C2
TELM SIG -	2 RED	C652#7-9 - XM C11
TELM SIG +	3 GRN	C652#10-12 - XM C3
MIC SIG SH	6 GRY	HFL 26
MIC SIG +	7 BRN	HFL 27
NAV-HFL COMM 2	9 GRN	HFL 9 – XM C7
NAV-HFL COMM 1	10 RED	HFL 8 – XM C15
NAV-HFL COMM 4	11 BLK	HFL 22 – XM C8
NAV-HFL COMM 3	12 WHT	HFL 23 – XM C16
NAV-HFL COMM SH	13 GRY	HFL 24 – XM C6

\*2007 Has MIC GND 8 YEL that Service Bulletin 07-013 recommends cutting to reduce audio noise from the engine when HFL Talk is pressed





Audio (Radio)

1 - Connector A: Reuse 2006 Connector

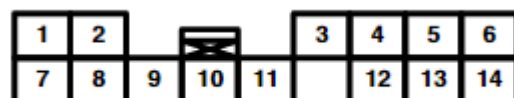
Name	2006 LT BLU 20	2008 LT BLU 20
Not Used	12,13,14	1,14
Power to Antenna	1 YEL/GRN	NA *1
Fuse 32 ACC	2 YEL/RED	2 YEL/RED
Audio Remote SW	3 GRN/RED	3 PNK
Security	4 RED/WHT	4 PUR
RR SP +	5 ORN	5 GRN/YEL
LR SP +	6 WHT	6 GRN/BLU
RF SP +	7 BLK	7 BLK
LF SP +	8 GRN	8 GRN
ILL +	9 RED/ BLK	9 RED/BLK
Fuse 5 Hot	10 WHT	10 WHT
Audio Remote GND	11 BRN	11 BRN
RR SP -	15 ORN	15 BLU/YEL
LR SP -	16 WHT	16 YEL/BLU
RF SP -	17 BLK	17 GRY
LF SP -	18 GRN	18 YEL/BLU
ILL - LED	19 RED	19 RED (disconnect to help dewire)
GND G504(brace)	20 BLK	20 BLK
Audio to RG GND		12 BLU/RED *2
Audio to RG L+		13 WHT *3

- \*1 - Cut 2006 A1 wire. Connect that loose wire that was going to the 2006 connector to the 2008 Audio D3 antenna connector (assumes 2006 antenna wiring reused).
- \*2 - Add 2008 Audio A12 pin and wire to/from C504 #17 (voice guidance)
- \*3 - Add 2008 Audio A13 pin and wire to/from C504 #18 (voice guidance)

2 - Connector B: Use 2008 Connector (most wires connect to C503)

Name	2006 WHT 14	2008 WHT 14
Not Used	1,7,8,11,12	1,2,7,11,12
SYS ACC	2 ORN	NA
Audio to GANET SH	3 BRN or BLK	3 GRY or BLK
Audio to XM SH	4 GRY or BLK	4 GRY
Audio to XM R+	5 WHT	5 WHT
Audio to XM L+	6 RED	6 RED
ILLUMI (XM)		8 RED/BLK *4
Audio to GANET +	9 BLU	9 RED/WHT
Audio to GANET -	10 PNK	10 RED/BLU
Audio to XM R-	13 BLK	13 BLK
Audio to XM L-	14 GRN	14 GRN

\*4 - Same ultimate electrical path as Audio A9 (just A9 is via C511 and B8 is tapped in on the fuse side of C511). Suggest take wire from 2008 B8 and tap that to 2006 Audio A9.

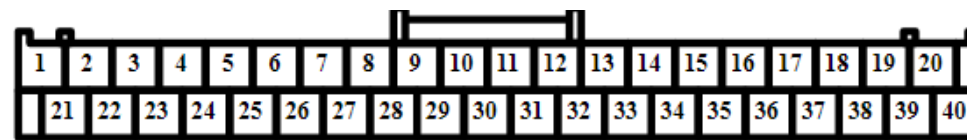


Audio (Radio), continued

3 - Connector C: diff pin sizes, use 2008 connector & splice into 2006 wiring.

Name	2006 GRY 26	2008 GRY 40
Not Used	3,4,6,16,17,18, 21,22,23,24,25	3,4,5,6,7,17,18,19,20,23,24, 36,37,38.39.40
CTR SP +	1 BRN	1 YEL/BLK
SUB WF +	2 RED/BLU	2 RED/BLU
HFL L+/TELM Sig+	6 BLU	13 GRN
HFL GND/TELM S-	7 PNK	12 RED
IMS0	8 GRN/ORN	28 BLK
IMS1	9 BLU/WHT	27 ORN
AMP MUTE	10 YEL/GRN	16 YEL/GRN
AMP ON	11 RED/YEL	15 RED/YEL
Audio bus SH to DSPY	12 WHT or BLK	10 GRY
Audio bus + to DSPY	13 BLU	9 BLU
CTR SP -	14 GRN/WHT	21 PNK/BLK
SUB WF -	15 WHT GRN	22 WHT/GRN
HFL SH/TELM SH	19 LTGRN/BLK or BLK	11 GRY
HFL MUTE	20 BLU/RED	14 RED
Audio bus - to DSPY	26 RED	29 PNK
HIP Mute		8 YEL *1
LET/K-line/Service Check		25 LT BLU *2
VSP (for speed volume compensation)		26 LT BLU *3
AUX		30-35 *4

- \*Utilizes C651 and/or C652 on the roof harness. C651 must be configured to 2008 wiring?. C652 is 2008 only.
- \*1 - Add to connect to C503 #15
- \*2 - Connect 2008 Audio C25 to 2006 TPMS B9 or C509 A3, B3, C3, D3, E3, F3, G3. same for C504
- \*3 - Connect 2008 Audio C26 to 2006 BLU/WHT: C512 C4,D4,E4,F4,G4 (middle of dash) or C302 #16 (left side of dash) or C651 #9 (left side of dash).
- \*4 - Keep these wires on the 2008 plug as-is



DISPLAY A 2006:



DISPLAY A & E 2008:



Display

Transfer Work Summary

Connector A: 2009 has larger connector and wiring rearranged. Compass not needed/used. Transfer work recommended: Unpin and pin in new connector at new locations.

1 - Connector A:

Name	2006 GRN 14	2008 LT BLU* vertical 22
Not Used	12,13	1,2,3,4,11,12,13,14,20,21
GND G501	1 BLK	5 BLK
ILL - BULB	2 RED	6 RED
AUD BUS +	3 BLU	7 BLU -keep conn to Audio C
ILL +	4 RED/BLK	8 RED/BLK
FUSE 32 ACC	5 YEL/RED	9 YEL/RED
FUSE 7 HOT	6 WHT/RED	10 WHT/RED
ILL - LED	7 RED/BLU	15 RED/BLU
IMS1	8 BLU/WHT	16 ORN-keep conn to Audio C
IMS0	9 GRN/ORN	17 BLK-keep conn to Audio C
AUD BUS SH	10 WHTorBLK	18 GRY-keep conn to Audio C
AUD BUS -	11 RED	19 PNK-keep conn to Audio C
B-CAN	14 LT BLU	22 LT BLU

\* Photo calls this connector "E" and connector view calls it GRN.

Connectors B, C and D: No changes needed.

Connector E: All new, use new/2008 wiring. This wiring goes to:

- Sub Display #1 to GND G503
- Nav via C504
- Bus via C504 & C603

2 - Connector E:

Name	2008 GRN* 22	Connects to
Not Used	5,6,7,16,17	
R SIG	1 WHT	C504 #12
G SIG	2 RED	C504 #3
GND SIG	3 BLU	C504 #14
GA-NET +	4 RED/WHT	C504 #16
SH GND	8 BLK	Sub Display 8
CE	9 BLU	Sub Display 7
DI	10 BLU/RED	Sub Display 6
B SIG	11 YEL	C504 #13
C SIG	12 BRN	C504 #4
SH SIG	13 BLK	C504 #11
GA-NET -	14 RED/BLU	C504 #15
GA-NET SH	15 BLK	C504 #5
LCD BL-	18 PUR	Sub Display 10
LCD BL+	19 ORN	Sub Display 9
SD +B	20 BLU/ORN	Sub Display 2
CL	21 YEL	Sub Display 5
INH	22 YEL/RED	Sub Display 4

\* Horizontal. Photo calls this connector "A" and GRN.



**HFL (Bluetooth)**

**1 - HFL:**

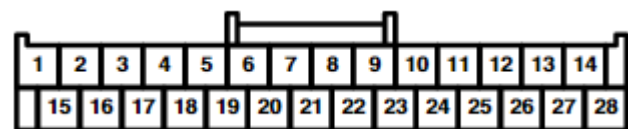
Name	2006 GRN 22	2008 GRY 28
Not Used	3,5,6,12,15,16,17,18,20,21,22	4,5,6,7,10,17,18,20,21,28*4
Fuse 32 ACC	1 YEL/GRN	16 YEL/RED
STRG SW	2 ORN	2 ORG *2
HFL MUTE	4 BLU/WHT	3 RED
HFL L+	7 BLU	11 GRN to C652 10-12
MIC SH	8 LTGRN or BLK	12 GRY
MIC +	9 RED	13 RED
MIC GND	10 GRN	14 GRN
Fuse 6 +B	11 GRY/BLU	15 GRY/BLU
GND G503&G601	13 BLK	1 BLK (left Floor)*3
B-CAN	14 RED/WHT	19 WHT
HFL GND	19 PNK	25 RED to C652 7-9
NAV-HFL COMM 4		8 GRN to C601 10
NAV-HFL COMM 3		9 BLK to C601 9
NAV-HFL COMM 1		22 RED to C601 11
NAV-HFL COMM 3		23 WHT to C601 12
NAV-HFL COMM SH		24 GRY to C601 13
MIC OUT to NAV SH		26 GRY TO C601 6
MIC OUT to NAV+		27 BRN TO C601 7

- \*1 – C652 (3 TELM signals) will need to be kept/added
- \*2 – to Cable Reel via 2006 C651 #6 (several wires via C651)
- \*3 – Same GND as roof console
- \*4 – Do NOT use #28. See Service Bulletin 07-013

Keep 2006 C651 and use 2006 wiring but:  
 All 2008 C601 wiring will be to be routed with 2008 wiring to roof.  
 Keep 2008 C652  
 Install adapter from 2006 male to 2008 female HFL using old 2005 HFL non-working modules

2006:

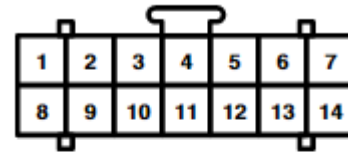
2008:



**Misc**

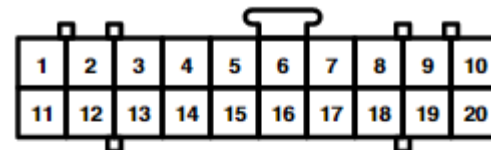
**3 – TPMS connections**

**Connector A**



- 1 RED/WHT (+B (Fuse 12 – Under-dash))
- 2 —
- 3 BLK (GND (G701))
- 4 —
- 5 YEL (IG1 (Fuse 21 – Under-dash))
- 6 —
- 7 —
- 8 PUR (LF LF PWR)
- 9 PNK (RF LF PWR)
- 10 GRN/ORN (LR LF PWR)
- 11 BLU (RR LF PWR)
- 12 —
- 13 —
- 14 —

**Connector B**



- 1 BLU (RF LF SIG)
- 2 WHT/RED (RR LF SIG)
- 3 ORN (LF LF SIG)
- 4 PNK/BLK (LR LF SIG)
- 5 —
- 6 —
- 7 —
- 8 —
- 9 LT BLU (K-LINE)
- 10 RED (CAN L)
- 11 —
- 12 —
- 13 GRN (LF LF GND)
- 14 RED (RF LF GND)
- 15 YEL/GRN (LR LF GND)
- 16 YEL (RR LF GND)
- 17 —
- 18 —
- 19 WHT (CAN H)
- 20 —

**AMP**

**1 – Connector A (Speaker Outs):**

Name	2006 GRY 14	2008 GRY 14
Not Used		
SUB WF -	1 LTGRN/RED	1 LTGRN/RED
SUB WF +	2 YEL/BLK	2 YEL/BLK
LR SP -	3 RED/YEL	3 RED/YEL
LR SP +	4 BRN/WHT	4 BRN/WHT
RR SP +	5 RED/BLU	5 RED/BLU
LF SP +	6 LT GRN	6 LT GRN
RF SP +	7 BLU	7 BLU
CTR SP -	8 BLU/YEL	8 BLU/YEL
CTR SP +	9 GRN/WHT	9 GRN/WHT
G506	10 BLK	10 BLK
B+ Fuse 5	11 WHT	11 WHT
RR SP -	12 YEL	12 YEL
LF SP -	13 PUR	13 PUR
RF SP -	14 RED	14 RED
ALL SAME		

**2 – Connector B (Ins From Audio):**

Name	2006 BLK/WHT 20	2008 BLK/WHT 20
Not Used	12,13,17,18,19,20 same	
RF SP +	1 BLK	1 BLK
LF SP +	2 GRN	2 GRN
RR SP +	3 ORN	3 GRN/YEL
LR SP +	4 WHT	4 GRN/BLU
SUB WF +	5 RED/BLU	5 RED/BLU
CTR SP +	6 BRN	6 YEL/BLK
AMP ON	7 RED/YEL	7 RED/YEL
RF SP -	8 GRY	8 GRY
LF SP -	9 BLU	9 BLU
RR SP -	10 RED	10 BLK
LR SP -	11 YEL	11 WHT
SUB WF -	14 WHT/GRN	14 WHT/GRN
CTR SP -	15 GRN/WHT	15 PNK/BLK
AMP MUTE	16 YEL/GRN	16 YEL/GRN
ALL SAME except some colors		