

## Premium and Luxury Amplifier Pin-outs

Premium Amplifier			
Pin	Description	Color	Comments
J1-1			
J1-2	Sub R (-)	L-BU/BK	
J1-3	Sub L (-)	L-GN/BK	
J1-4	PWR AMP	RD	
J1-5			
J1-6	Sub R (+)	D-GN	
J1-7	Sub L (+)	D-BU/WH	
J1-8	GND	BK	

J2-1	Audio RF SPK (-)	D-GN	
J2-2	Audio RF SPK (+)	L-GN	
J2-3	Audio LF SPK (-)	GY	
J2-4	Audio LF SPK (+)	TN	
J2-5	Audio RR SPK (-)	L-BU	Note 2
J2-6	Audio RR SPK (+)	D-BU	Note 2
J2-7	Audio LR SPK (-)	YE	Note 2
J2-8	Audio LR SPK (+)	BN	Note 2
J2-9			
J2-10			
J2-11			
J2-12			
J2-13			
J2-14			
J2-15			
J2-16			

J3-1			
J3-2			
J3-3			
J3-4	Audio RR IN (-)	TN	
J3-5	Audio LR IN (-)	BN	
J3-6	Audio RF IN (-)	OG/BK	
J3-7	Audio LF IN (-)	D-GN	
J3-8	ENT_RMT_EN_SIG	WH	Not needed for LUX Amp. This signal turns on the PREM Amp. LUX Amp does not use this signal.
J3-9			
J3-10			
J3-11	AMP Mute	OG	Not needed for LUX Amp. This signal mutes rear speakers when RSA is turned on. LUX Amp does not use this signal.
J3-12	Audio RR IN (+)	D-BU	
J3-13	Audio LR IN (+)	BN/WH	
J3-14	Audio RF IN (+)	L-GN/WH	
J3-15	Audio LF IN (+)	TN	
J3-16			

Luxury Amplifier			
Pin	Description	Color	Comments
J1-1	Sub L (+)	D-BU/WH	
J1-2	Sub L (-)	L-GN/BK	
J1-3	Sub R (-)	L-BU/BK	
J1-4	PWR	RD	
J1-5			
J1-6			
J1-7	Sub R (+)	D-GN	
J1-8	GND	BK	

J2-1	GMLS	D-GN	If you have a Rear Seat Audio (RSA) system you will already have a GMLS wire to the RSA Module passing through J/P108 at pin A6. If using a Y91 console wiring harness, this is a direct connection.
J2-2	Audio AUX (D-Pillar) R SPK (-)	OG	Note 1, Note 2
J2-3	Audio AUX (D-Pillar) R SPK (+)	TN/WH	Note 1, Note 2
J2-4	Audio LF SPK (+)	TN	
J2-5	Audio LF SPK (-)	GY	
J2-6	Audio RF SPK (-)	D-GN	
J2-7	Audio RF SPK (+)	L-GN	
J2-8	Audio RR SPK (-)	L-BU	Note 1
J2-9			
J2-10	Audio AUX (D-Pillar) L SPK (-)	WH	Note 1, Note 2
J2-11	Audio AUX (D-Pillar) L SPK (+)	TN	Note 1, Note 2
J2-12	Audio CTR SPK (-)	YE/BK	Route CTR SPK separate if used. Note 3
J2-13	Audio CTR SPK (+)	L-BU	Route CTR SPK separate if used. Note 3
J2-14	Audio LR SPK (-)	YE	Note 1
J2-15	Audio LR SPK (+)	BN	Note 1
J2-16	Audio RR SPK (+)	D-BU	Note 1

J3-1			
J3-2			
J3-3	Audio RF IN (+)	L-GN/WH	
J3-4	Audio RF IN (-)	OG/BK	
J3-5	AMP_AUD_PRM_SIG (-)	GY	See NAV comment below at J3-13.
J3-6	MIC IN (-)	BARE	See MIC comment below at J3-14.
J3-7			
J3-8			
J3-9			
J3-10			
J3-11	Audio LF IN (+)	TN	
J3-12	Audio LF IN (-)	D-GN	
J3-13	AMP_AUD_PRM_SIG (+)	PU	This shielded pair (J3-5, J3-6 & J3-13) is needed for NAV voice prompt function to work. If using a Y91 console wiring harness, this is a direct connection provided a shielded pair is run from the Radio to P108 (main 30-pin connector).
J3-14	MIC IN (+)	D-GN	MIC is needed for Vehicle Noise Control (VNC) function (P/N 15240415). If using a Y91 console wiring harness, this is a direct connection.
J3-15			
J3-16			

- Notes:
- 1) If using a Y91 console wiring harness (highly recommended and necessary in my mind) and want to use the OEM 8-pin connector for the four rear speakers, you can order an OEM Delphi female connector (P/N 15332145) and pins (P/N 12191812) from Mouser.com.
  - 2) The Y91 D-pillar speakers are different than the non-Y91 speakers which are wired parallel with the rear door speakers. Non-Y91 speakers are 12.5 OHM with crossover capacitors (P/N 15186673). The Y91 speakers are 3.2 OHM (P/N 15186672).
  - 3) The center speaker is 3.35 OHM (P/N 25797586).