

Pin-out for J/P108 Connector (30-pin main connector for center console wiring harness)

| Non-Y91 Wiring Harness J/P108 (PREM) | | |
|--------------------------------------|-----------------------------|-------|
| Pin | Description | Color |
| A1 | Audio L-IR RSA | OG/BK |
| A2 | AMP Mute | OG |
| A3 | ENT_RMT_EN_SIG | WH |
| A4 | PWR Power Outlets (2 wires) | RD/WH |
| A5 | GND Power Outlets (2 wires) | BK |
| A6 | GMLS RSA | D-GN |
| A7 | IR MOD SPLY RSA | PK |
| A8 | Blank | |

| Y91 Wiring Harness J/P108 (LUX) | | |
|---------------------------------|-----------------------------|-------|
| Pin | Description | Color |
| A1 | Audio L-IR RSA | OG/BK |
| A2 | Audio Center SPK (+) | L-BU |
| A3 | Audio Center SPK (-) | YE/BK |
| A4 | PWR Power Outlets (2 wires) | RD/WH |
| A5 | GND Power Outlets (2 wires) | BK |
| A6 | GMLS RSA & AMP (2 wires) | D-GN |
| A7 | IR MOD SPLY RSA | PK |
| A8 | Blank | |

| Modifications at J/P108 when using Y91 Harness (LUX) | | |
|--|--|----------------------|
| Pin | Description/Comments | J(male) or P(female) |
| A1 | | |
| A2 | Blank (pull male pin or cut wire at connector). Route CTR SPK wire separate if adding center speaker. In doing this, you can leave the AMP Mute and ENT_RMT_EN_SIG wires on the female side of J/P108. | J |
| A3 | "Ditto" | J |
| A4 | | |
| A5 | | |
| A6 | | |
| A7 | | |
| A8 | | |

| | | |
|-----|-------------------------|-------|
| B1 | Audio R-IR RSA | PU/WH |
| B2 | Audio L&R-IR RSA | BN/WH |
| B3 | Audio IR RSA Shield GND | BARE |
| B4 | Audio LR (+) | BN/WH |
| B5 | Audio LR (-) | BN |
| B6 | Audio RR (+) | D-BU |
| B7 | Audio RR (-) | TN |
| B8 | Rear Shield GND | BARE |
| B9 | Audio LF SPK (+) | TN |
| B10 | Audio LF SPK (-) | GY |
| B11 | Audio RF SPK (+) | L-GN |
| B12 | Audio RF SPK (-) | D-GN |

| | | |
|-----|---------------------------|-------|
| B1 | Audio R-IR RSA | PU/WH |
| B2 | Audio L&R-IR RSA | BN/WH |
| B3 | Audio IR RSA Shield GND | BARE |
| B4 | Audio LR (+) | BN/WH |
| B5 | Audio LR (-) | BN |
| B6 | Audio RR (+) | D-BU |
| B7 | Audio RR (-) | TN |
| B8 | Blank (no shield for Y91) | |
| B9 | Audio LF SPK (+) | TN |
| B10 | Audio LF SPK (-) | GY |
| B11 | Audio RF SPK (+) | L-GN |
| B12 | Audio RF SPK (-) | D-GN |

| | | |
|-----|--|--|
| B1 | | |
| B2 | | |
| B3 | | |
| B4 | | |
| B5 | | |
| B6 | | |
| B7 | | |
| B8 | | |
| B9 | | |
| B10 | | |
| B11 | | |
| B12 | | |

| | | |
|-----|------------------|---------|
| C1 | Audio LR SPK (+) | BN |
| C2 | Audio LR SPK (-) | YE |
| C3 | Audio RR SPK (+) | D-BU |
| C4 | Audio RR SPK (-) | L-BU |
| C5 | Audio LF (+) | TN |
| C6 | Audio LF (-) | D-GN |
| C7 | Audio RF (+) | L-GN/WH |
| C8 | Audio RF (-) | OG/BK |
| C9 | Front Shield GND | BARE |
| C10 | Blank | |
| C11 | Blank | |
| C12 | Blank | |

| | | |
|-----|---------------------|---------|
| C1 | Blank | |
| C2 | Blank | |
| C3 | Blank | |
| C4 | Blank | |
| C5 | Audio LF (+) | TN |
| C6 | Audio LF (-) | D-GN |
| C7 | Audio RF (+) | L-GN/WH |
| C8 | Audio RF (-) | OG/BK |
| C9 | Front Shield GND | BARE |
| C10 | AMP_AUD_PRM_SIG (-) | GY |
| C11 | AMP_AUD_PRM_SIG (+) | PU |
| C12 | Prompt Shield GND | BARE |

| | | |
|-----|--|---|
| C1 | Pull pins on female side and cut wire approx. 4" long for reuse to make the shielded pair for AMP_AUD_PRM_SIG (C10/C11/C12). Or leave as-is and make shielded pair with RCA cable and OEM Delphi pins, your call. I made a shielded pair reusing pins and wire cut from my non-Y91 wiring harness per Note 1 below. (Note 1) (Note2) | P |
| C2 | "Ditto" | P |
| C3 | "Ditto" | P |
| C4 | "Ditto" | P |
| C5 | | |
| C6 | | |
| C7 | | |
| C8 | | |
| C9 | | |
| C10 | Add GY wire from new shielded pair and route to J4-16 on Radio. (Note 1) | P |
| C11 | Add PU wire from new shielded pair and route to J4-8 on Radio. (Note 1) | P |
| C12 | Add Bare wire from new shielded pair and route to J4-15 on Radio. (Note 1) | P |

| | | |
|----|-----------------|-------|
| D1 | Video Aux (+) | PU |
| D2 | Video Aux (-) | BARE |
| D3 | PWR RSA | RD/WH |
| D4 | PWR AMP | RD |
| D5 | GND AMP | BK |
| D6 | Audio Aux Com | BARE |
| D7 | Audio Aux R (+) | WH |
| D8 | Audio Aux L (+) | YE |

| | | |
|----|-----------------|-------|
| D1 | Video Aux (+) | PU |
| D2 | Video Aux (-) | BARE |
| D3 | PWR RSA | RD/WH |
| D4 | PWR AMP | RD |
| D5 | GND AMP | BK |
| D6 | Audio Aux Com | BARE |
| D7 | Audio Aux R (+) | WH |
| D8 | Audio Aux L (+) | YE |

| | | |
|----|--|--|
| D1 | | |
| D2 | | |
| D3 | | |
| D4 | | |
| D5 | | |
| D6 | | |
| D7 | | |
| D8 | | |

Notes:

1) I made the shielded pair for NAV Voice Prompt from Radio to J/P108 by splicing together two shielded pairs removed from my non-Y91 console wiring harness. I used the Audio pair from the Audio/Video Jacks and the IR Audio pair (actually 3 wires plus bare, just don't use one) from the RSA Module. Each section was about 30" long. The Delphi pins for the IR Audio pair at the RSA connector are the same as the Radio connector pins, therefore, remove the pins AND wire from the connector (DO NOT CUT ON THE RSA END). Use these pins at the Radio, splice the Audio Jack pair to IR Audio pair, and splice the female connectors removed from P108-C1/C2/C3/C4 as noted above. Solder all splices and use heat shrink tubing. If you are careful to unwrap just enough foil wrap to slip on heat shrink tubing and solder, you will be able to re-wrap it and make a nice professional splice. Mine looks good and works great (see pictures). As mentioned above, you can make a new shielded pair with RCA cable and OEM Delphi connectors. However, you may have trouble finding the pins needed without having to buy a large lot. Good luck whichever route you choose.

2) So, why cut the rear speaker wires on the dash side? They are no longer needed. The Y-91 wiring harness makes the rear speaker connections with an 8-pin connector under the cup holder. You will want to reroute your rear speaker wires under the carpet and out just behind the subwoofer. To do this, remove the passenger side kick panel and you will see where the two (2) rear speaker wire pairs connect into the four (4) parallel rear speaker pairs at body connector J/P217. Cut the four (4) pairs at the connector and pull the wires out of the passenger door threshold wiring channel back to where they go under the passenger seat (see pictures). Now you have to remove the passenger seat and pull/feed the wires back under the seat and under the carpet on top of the hump for a factory install (or you can add wire and run under the passenger side carpet, your call). Once you pull the wires through and cut them to the desired length, install the female pins and 8-pin connector mentioned in Note 1 for PREM & LUX Amp Pin-outs. The job is a little tough, but well worth it because it is as close to a factory Y-91 install that you will get.

3) Note there are very few differences in the pin layout at J/P108. Therefore, it is highly recommended to use a Y91 console wiring harness. It was much easier to make the few changes shown here using the Y91 harness than having to re-pin the Non-Y91 connectors at the amplifier and add all the missing pins and wiring for D-Pillar speakers, Center speaker, GMLS, NAV Prompt and MIC.