



Wiring the OEM-2 and aftermarket stereo to a GM factory Bose Premium Sound System

Mobile Audio Interfacing Equipment

Important!

If you are using the supplied wire harness from Crutchfield, or other aftermarket wire harness either from Metra, Scosche or American International, you can not connect the audio signal wires of the supplied wire harness to the OEM-2 color for color (you may however, connect the red, black, blue, orange, and yellow wire color for color). The wire harness supplied by Crutchfield or other above mentioned wire harnesses are not designed for Bose Premium Sound Systems. You will need to trace the factory wire colors and match them over to the aftermarket harness. Connect the OEM-2 outputs according to the chart.

The factory wire colors given are typical of most GM vehicles with a Bose Premium Sound System. If the colors do not match up, you will need to obtain a wiring diagram of your vehicle from a dealer. In some vehicles the audio common wires could have a striped wire.

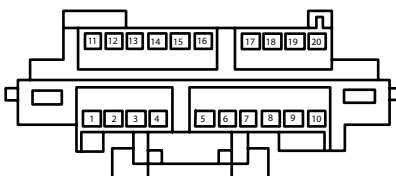
NOTES: 4 possible GM plug configurations.

GM21 and GM21A: has a bare shield wire for both front a rear speakers.

GM21B: has no bare shield wire and has common wires for front and rear.

GM21C: has a positive and negative wire for each speaker.

Use the shield wire(s) as a guide to determine which chart to use.



Factory GM 21 pin plug
Viewed from pin side not wire side

| Factory plug. Connect these wires to → | OEM-2 |
|--|---------------------------|
| 1 = front audio shield, bare wire | black wire |
| 2 = left front positive (LF+), tan | wht wire |
| 3 = right and left front common (-), lt. grn | wht/blk and gry/blk wires |
| 4 = right front positive (RF+), dark green | gry wire |
| 5 = chassis ground, black | black wire |
| 6 = illumination/dimmer, gray | orange wire |
| 7 = n/a | n/a |
| 8 = remote turn on, pink | blue/wht |
| 9 = 12 volt ignition/switched (+12), yellow | red wire |
| 10 = 12 volt battery/constant (+12), orange | yellow wire |
| 17 = rear audio shield, bare wire | black wire |
| 18 = right rear positive (RR+), dark blue | purple wire |
| 19 = right and left rear common (-), yellow | prp/blk and grn/blk wires |
| 20 = left rear positive (LR+), dark brown | grn wire |

| Factory plug. Connect these wires to → | OEM-2 |
|---|---|
| 1 = n/a | n/a |
| 2 = left front positive (LF+), tan | wht wire |
| 3 = n/a | n/a |
| 4 = right front positive (RF+), dark green | gry wire |
| 5 = chassis ground, black | black wire |
| 6 = illumination/dimmer, gray | orange wire |
| 7 = n/a | n/a |
| 8 = remote turn on, pink | blue/wht |
| 9 = 12 volt ignition/switched (+12), yellow | red wire |
| 10 = 12 volt battery/constant (+12), orange | yellow wire |
| 17 = audio common | prp/blk, wht/blk, gry/blk and grn/blk wires |
| 18 = right rear positive (RR+), dark blue | purple wire |
| 19 = n/a | n/a |
| 20 = left rear positive (LR+), dark brown | grn wire |

| Factory plug. Connect these wires to → | OEM-2 |
|--|---------------------------|
| 1 = left front positive (LF+), tan | wht wire |
| 2 = right and left front common (-), lt. grn | wht/blk and gry/blk wires |
| 3 = right front positive (RF+), dark green | gry wire |
| 4 = front audio shield, bare wire | black wire |
| 5 = chassis ground, black | black wire |
| 6 = illumination/dimmer, gray | orange wire |
| 7 = n/a | n/a |
| 8 = remote turn on, pink | blue/wht |
| 9 = 12 volt ignition/switched (+12), yellow | red wire |
| 10 = 12 volt battery/constant (+12), orange | yellow wire |
| 17 = right rear positive (RR+), dark blue | purple wire |
| 18 = right and left rear common (-), yellow | prp/blk and grn/blk wires |
| 19 = left rear positive (LR+), dark brown | grn wire |
| 20 = rear audio shield, bare wire | black wire |

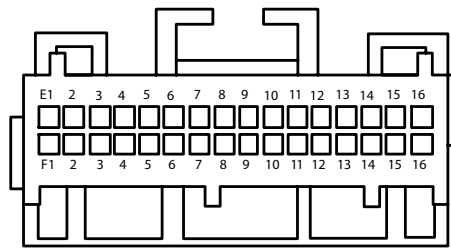
| Factory plug. Connect these wires to → | OEM-2 |
|---|--------------|
| 1 = left front negative (LF-), gray | wht/blk wire |
| 2 = left front positive (LF+), tan | wht wire |
| 3 = right front negative (RF-), dark green | gry/blk wire |
| 4 = right front positive (RF+), lt. green | gry wire |
| 5 = chassis ground, black | black wire |
| 6 = illumination/dimmer, gray | orange wire |
| 7 = n/a | n/a |
| 8 = remote turn on, pink | blue/wht |
| 9 = 12 volt ignition/switched (+12), yellow | red wire |
| 10 = 12 volt battery/constant (+12), orange | yellow wire |
| 17 = right rear negative (RR-), lt. blue | yellow wire |
| 18 = right rear positive (RR+), dark blue | purple wire |
| 19 = left rear negative (LR-), yellow | prp/blk wire |
| 20 = left rear positive (LR+), brown | grn/blk wire |

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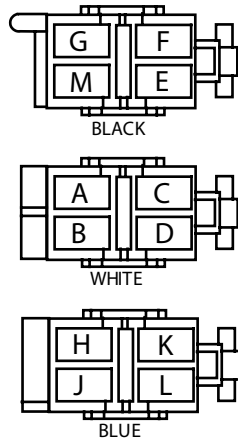
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NOTES: 2 possible plug configurations.
GM32: has one audio shield wire.
GM32A: has two audio shield wires.
 Use the shield wire(s) as a reference to select which chart to use.



Factory GM 32 pin plug
 Viewed from pin side not wire side

| GM32 | | GM32A | |
|---|---|---|---------------------------|
| Factory plug. Connect these wires to | OEM-2 | Factory plug. Connect these wires to | OEM-2 |
| Row E | | Row E | |
| 1 = n/a | n/a | 1 = n/a | n/a |
| 2 = n/a | n/a | 2 = n/a | n/a |
| 3 = remote turn on | blue/wht wire | 3 = remote turn on | blue/wht wire |
| 4 = n/a | n/a | 4 = n/a | n/a |
| 5 = n/a | n/a | 5 = n/a | n/a |
| 6 = n/a | n/a | 6 = n/a | n/a |
| 7 = n/a | n/a | 7 = n/a | n/a |
| 8 = n/a | n/a | 8 = n/a | n/a |
| 9 = n/a | n/a | 9 = n/a | n/a |
| 10 = n/a | n/a | 10 = n/a | n/a |
| 12 = left rear positive (LR+) | grn wire | 12 = left rear positive (LR+) | grn wire |
| 13 = n/a | n/a | 13 = rear audio shield, bare wire | black wire |
| 14 = n/a | n/a | 14 = rear audio common return (-) | prp/blk and grn/blk wire |
| 15 = right rear positive (RR+) | prp wire | 15 = right rear positive (RR+) | prp wire |
| 16 = chassis ground | black wire | 16 = chassis ground | black wire |
| Row F | | Row F | |
| 1 = constant 12 volts | yellow wire | 1 = constant 12 volts | yellow wire |
| 2 = accessory 12 volts | red wire | 2 = accessory 12 volts | red wire |
| 3 = antenna remote turn on | blue wire | 3 = antenna remote turn on | blue wire |
| 4 = illumination/dimmer | orange | 4 = illumination/dimmer | orange |
| 5 = n/a | n/a | 5 = n/a | n/a |
| 6 = n/a | n/a | 6 = n/a | n/a |
| 7 = n/a | n/a | 7 = n/a | n/a |
| 8 = n/a | n/a | 8 = n/a | n/a |
| 9 = n/a | n/a | 9 = n/a | n/a |
| 10 = n/a | n/a | 10 = n/a | n/a |
| 12 = left front positive (LF+) | wht wire | 12 = left front positive (LF+) | wht wire |
| 13 = audio shield, bare wire | black wire | 13 = front audio shield, bare wire | black wire |
| 14 = audio common return (-) | prp/blk,grn/blk,gry/blk and wht/blk wires | 14 = front audio common return (-) | gry/blk and wht/blk wires |
| 15 = right front positive (RF+) | gry wire | 15 = right front positive (RF+) | gry wire |
| 16 = n/a | n/a | 16 = n/a | n/a |



| GM12 | |
|--|--------------------------|
| Factory plug. Connect these wires to | OEM-2 |
| A = right front positive (RF+), lt. grn | gry wire |
| B = left front positive (LF+), tan | wht wire |
| C = front shield, bare wire | black wire |
| D = right front negative, left front negative | gry/blk and wht/blk wire |
| E = remote turn on, pink | blue/wht wire |
| F = 12 volt ignition/switched (+12), yellow | red wire |
| G = ground, black | black wire |
| H = left rear positive (LR+), brown | green wire |
| J = right rear positive (RR+), dark blue | prp wire |
| K = left rear negative, right rear negative | prp/blk and grn/blk wire |
| L = rear shield, bare wire | black wire |
| M = illumination/dimmer, gray | orange wire |
| on separate two pin, white plug, orange wire is constant 12 volts. | yellow wire |

Late 1984 and later models only

Viewed from pin side not wire side