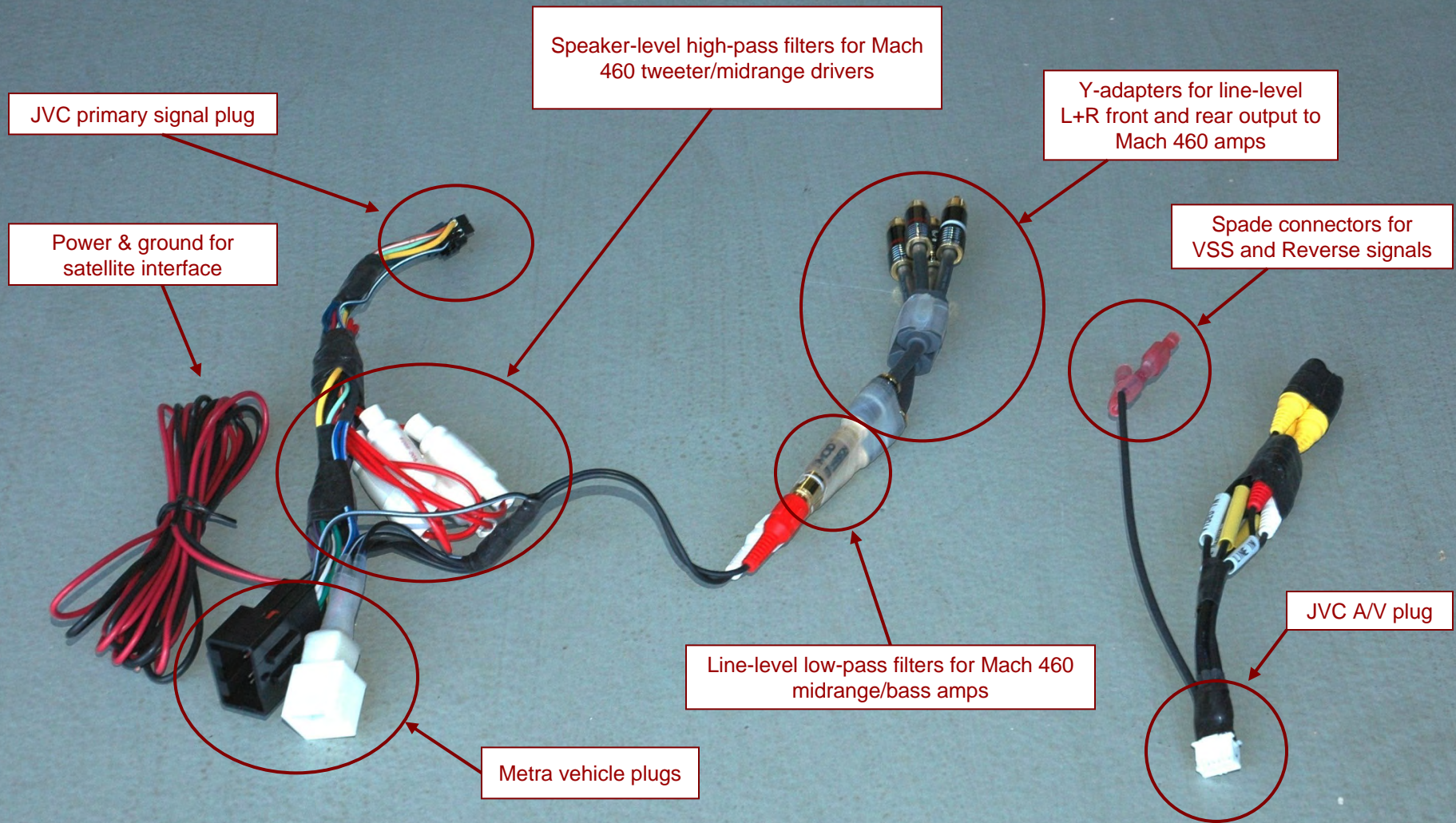


Annotated Project Photos

Head unit electrical installation parts needed:

- 1 ea. Metra # 70-5519 Mach 460 wiring harness adapter kit Parts Express # 265-790
- 4 ea. Bass Stopper speaker-level high-pass filters Parts Express # 266-205
- 2 ea. FMOD line-level low-pass filters Parts Express # 266-260



Satellite radio modules:

1 ea. SIRIUS # SCC1 satellite radio tuner w/ satellite antenna (not shown)

1 ea. JVC # KS-SRA100 SIRIUS Connect satellite radio interface kit



Subwoofer wire & connectors needed:

1 ea. Audiopipe # PB1044 power distribution block

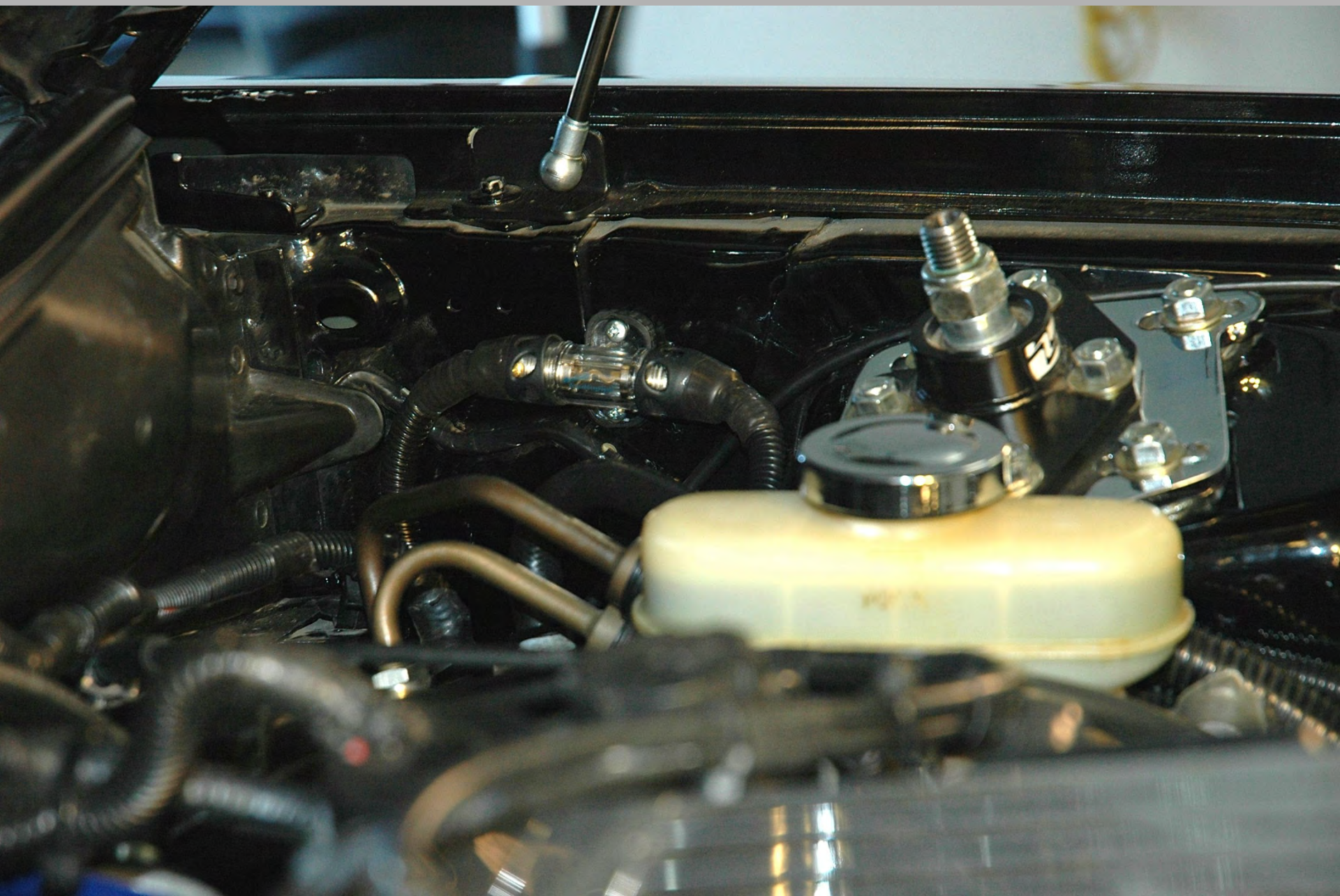
1 ea. Audiopipe # CQ6204 AGU inline fuse holder & 60-amp #AGU60 fuse pack

25' ea. Pyramid Power 4-gauge red and black wire

Assorted ring & spade connectors



AGU fuse holder w/ 60A fuse for subwoofer system mounted in engine bay and connected to battery junction box
NOTE: primary lead from output end of fuse holder was run through body grommet near GEM, along door sill to trunk



Subwoofer enclosure:

1 ea. Custom Boxman (eBay) 12" enclosure cut to fit right rear corner of trunk

NOTE: sound deadening material and internal 12-gauge Monster Cable wiring added as part of project



Subwoofer mounted in finished enclosure:

1 ea. Alpine # SWR-1243D 12" subwoofer

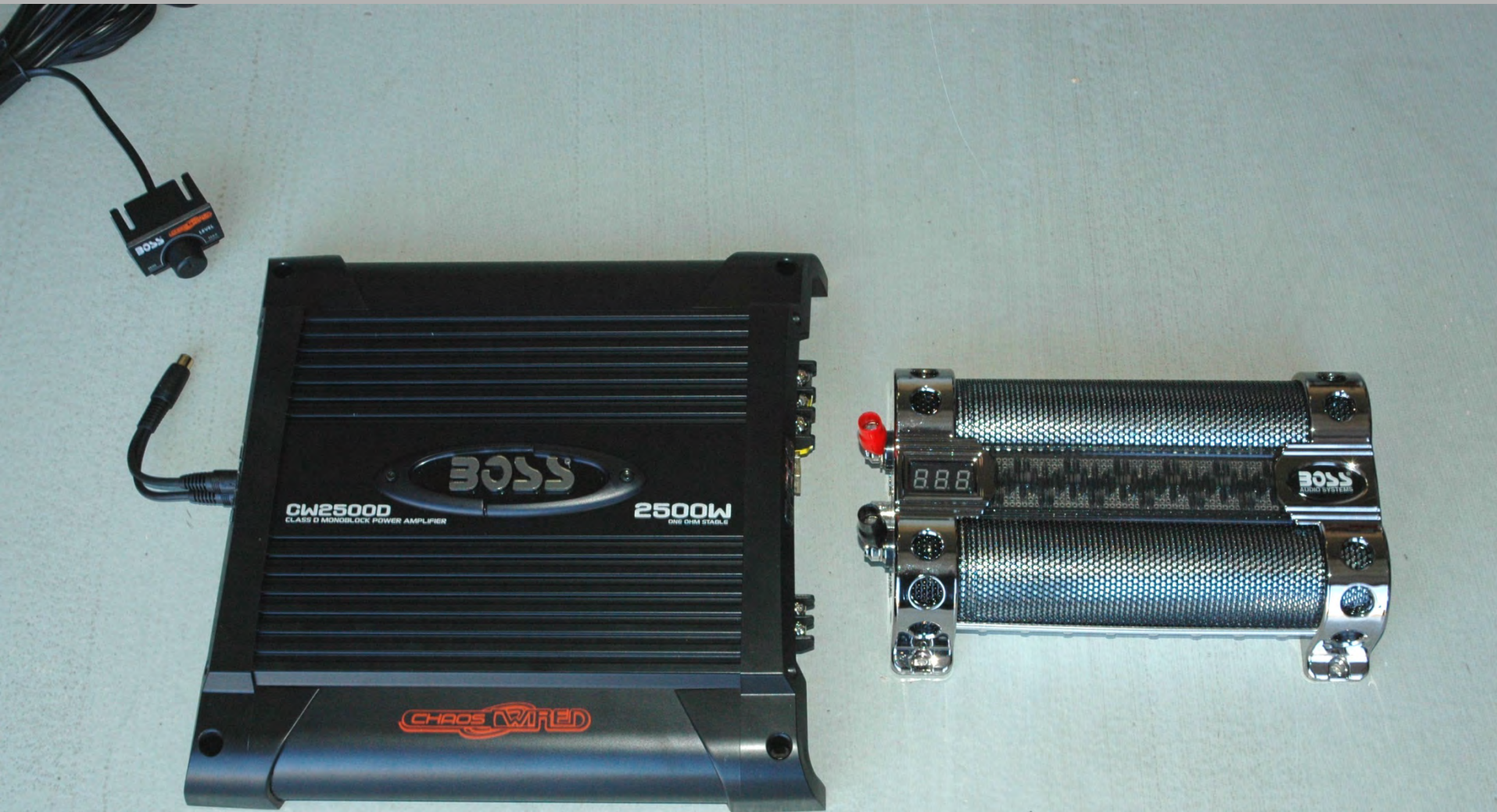
1 ea. Alpine # KTE-12WG matching 12" expanded speaker metal grille



Subwoofer electronics to be installed:

1 ea. BOSS # CW2500D monoblock amp w/ remote level control

1 ea. BOSS # CAP8 8-Farad stiffening capacitor



Level control for subwoofer mounted below dash, near hood release

NOTE: control cable routed under carpeting near door sill along with primary power wire for subwoofer system



Subwoofer component board:

3/8" finish grade plywood custom cut to fit trunk and covered with gray trunk carpeting

NOTE: rectangular notch in lower right to provide retention for subwoofer enclosure



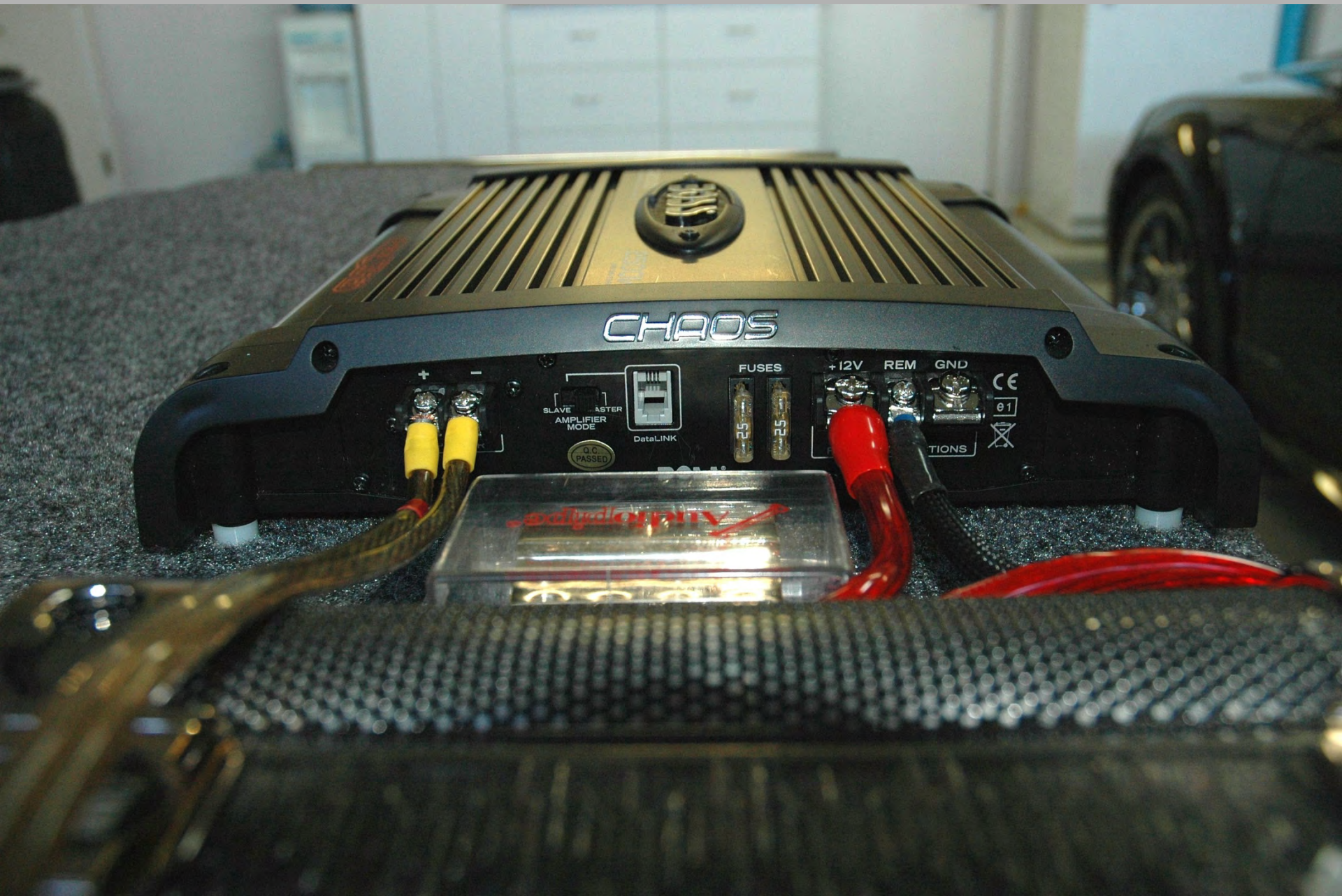
Subwoofer electronics mounted to component board

NOTE: amp & stiffening cap wired in parallel via distribution block



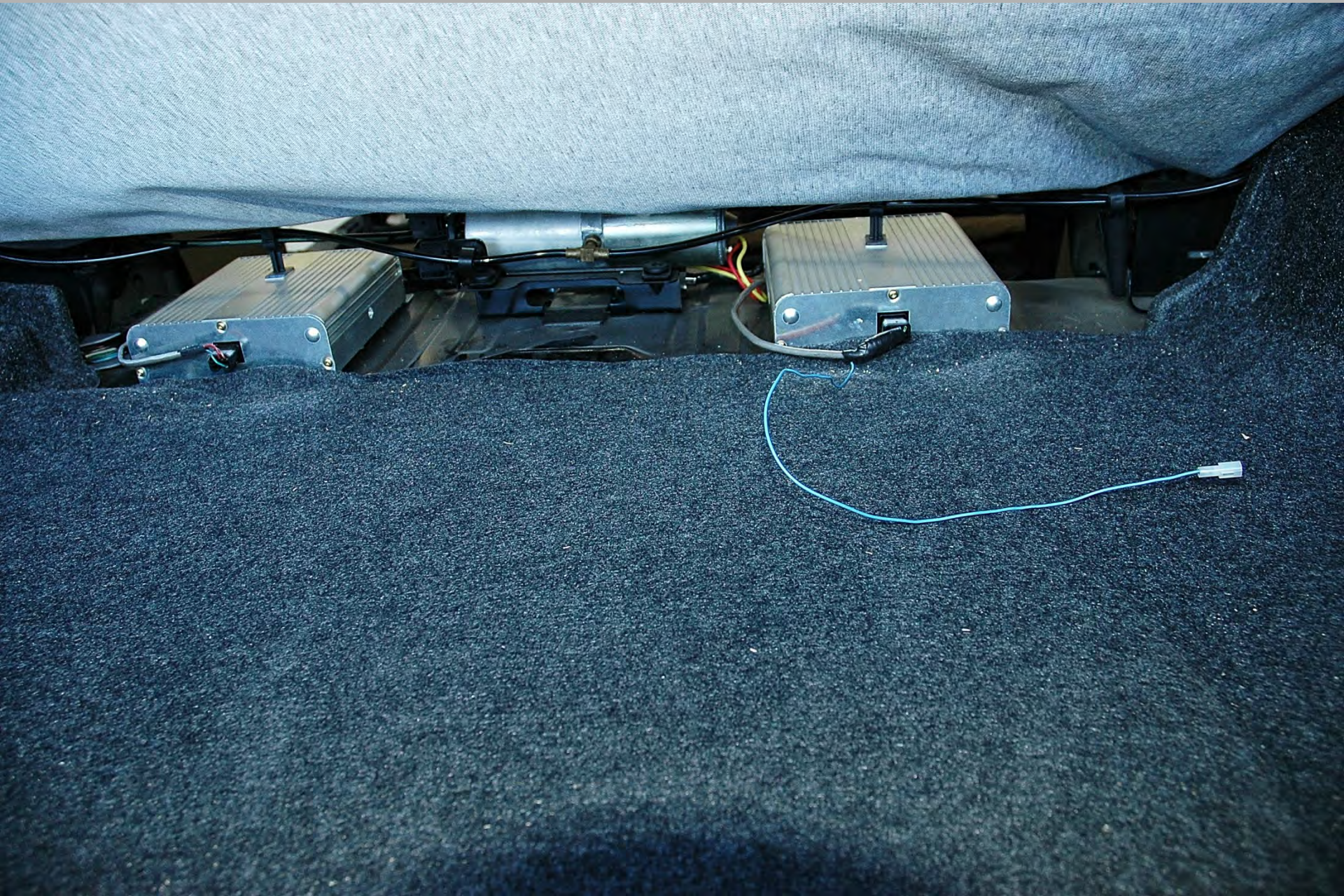
Amp wiring detail:

NOTE: 4-gauge ground wire not yet connected



Trigger wire for right Mach 460 amp tapped to also provide subwoofer system trigger

NOTE: Mach amps are energized by independent trigger wires. Either may be used for the subwoofer amp & cap.



Modification of trunk forward bulkhead panel to accommodate wiring for subwoofer system

NOTE: holes cut in panel with hole saw and 3/4" grommets added for protection against abrasion

Holes & 3/4" grommets added
to provide wiring pass-through



Subwoofer system installed

NOTE: red alligator clip visible in photo connected to charging resistor at power distribution block



Center stack w/ trim panel & OEM head unit removed

Previously installed yellow VSS wire from C294 at PCM reused w/ new head unit

Reverse wire from C352 at GEM will be added



VSS wire previously
installed

Satellite radio modules & extra cabling

Both satellite radio components and all extra cabling were installed below the head unit's location in the center stack



Remote-mounted microphone installation:

Left: Microphone mounted to windshield header near mirror

Right: Mic cable routed down the inside of the passenger A-pillar and into the dash



GPS & satellite radio antennas:

Both antennas painted to match dash and installed at base of windshield – GPS antenna (shown) mounted directly above center stack, satellite radio antenna mounted near base of driver A-pillar



Head unit installation:

Double-DIN head unit connected and installed in vehicle w/ Metra # 95-5026 mounting kit



Center stack following completion of navigation-media system installation

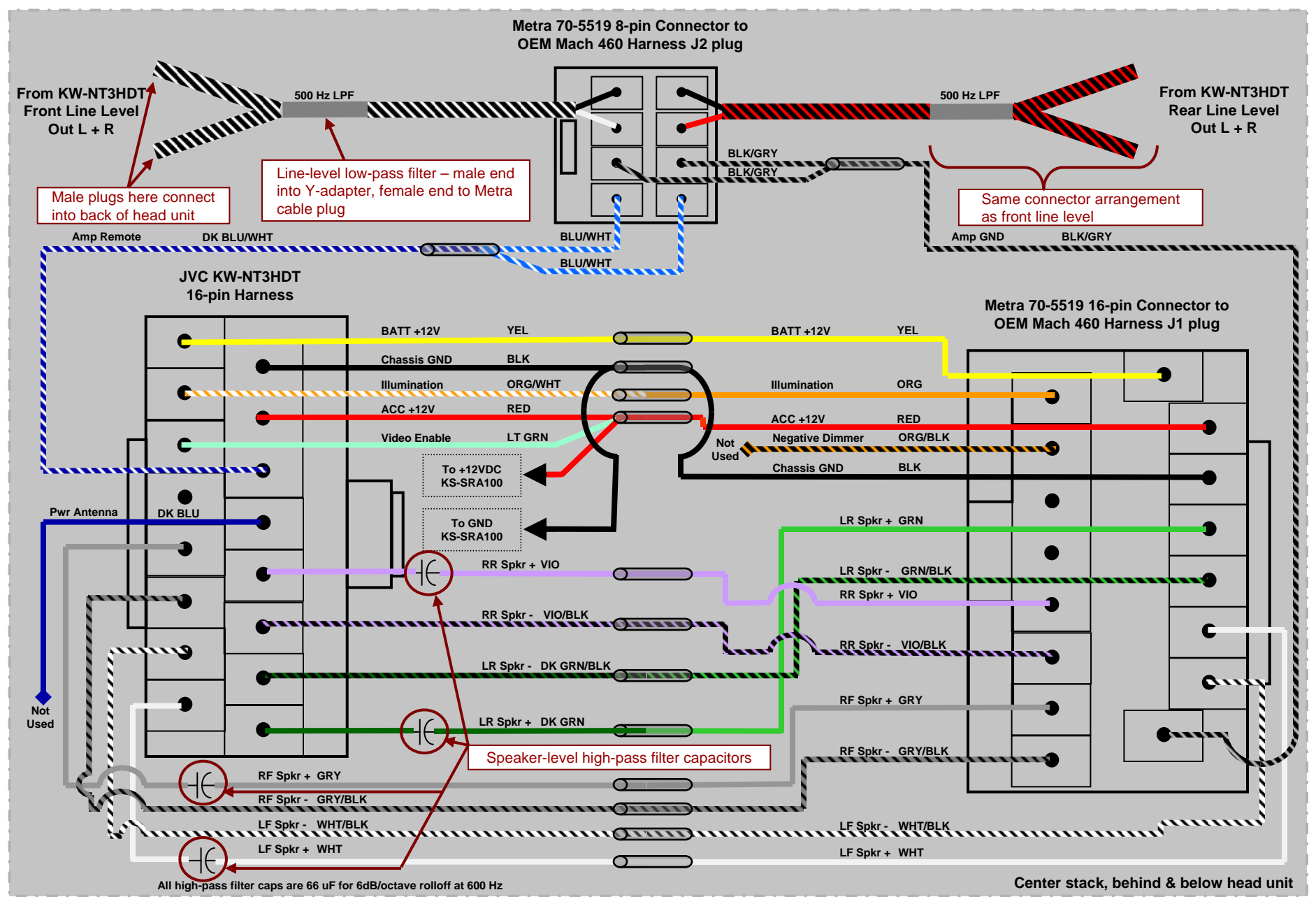
Left: navigation display

Right: HD radio station selection display



System Wiring Diagrams

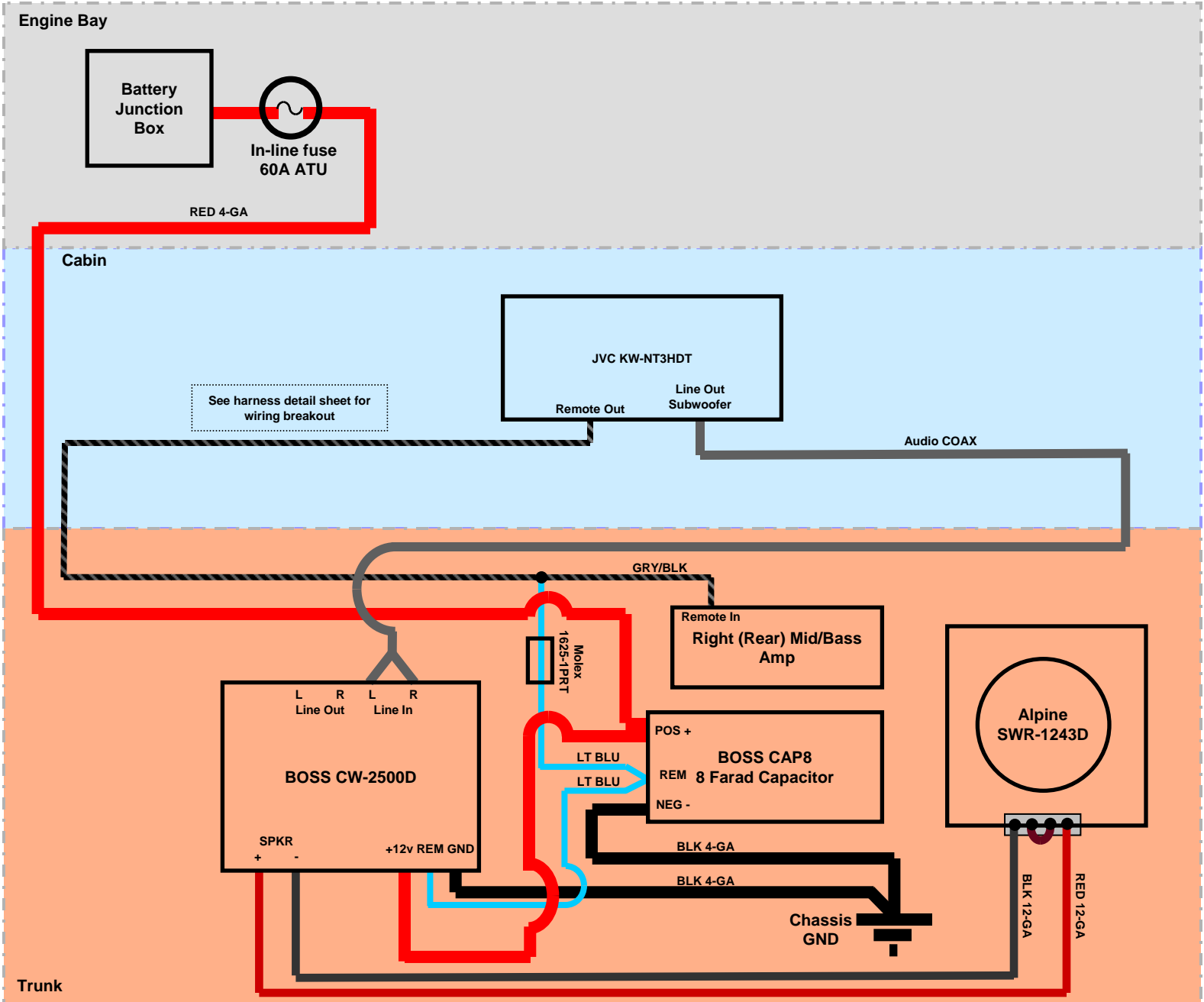
Wiring Harness Details --- Line-Level harness top, Speaker-Level harness bottom



All high-pass filter caps are 66 uF for 6dB/octave rolloff at 600 Hz

All connectors are shown from WIRE end

Subwoofer Circuit Detail



Nav/Media System Circuitry

