

602 Coach:

- 1) Run a new cable from the car end opposite the conductor-closet-end into the conductor's closet, evaluate running new "home run" cable from the exterior connections on the conductor's-closet-end to eliminate splices in the old 5-pin XLR junction box (see item 4).
- 2) Fabricate and install switch panel, secure amplifier and CD player (? Need shock/vibration mount?)
- 3) Fabricate and install new 70V-to-Mic adapter
- 4) Install new exterior connector on conductor-closet-end of the car, provide a temporary pigtail to the old-style inter-car connector

603 Coach:

- 1) Run a new cable from the car end opposite the conductor-closet-end into the conductor's closet
- 2) Fabricate and install switch panel, secure amplifier and CD player (? Need shock/vibration mount?)
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- 4) Install new exterior connector on conductor-closet-end of the car, provide a temporary pigtail to the old-style inter-car connector

501 Open Air:

- 1) Fabricate and install switch panel, make wall mounting for the amplifier
- 2) If the existing adapter is not transformer isolated, fabricate and install new 70V-to-Line adapter
- 3) Install an XLR microphone input
- 4) Eventually change the amplifier to a paging amplifier
- 5) Install new exterior connectors on both ends of the car
- 6) Keep, but secure, the additional cables that can feed the 502/503 for future use
- 7) If convenient, add light inside the closet
- 8) The closet would be more useful if the door opened outward

604 ADA:

- 1) Create the equivalent of the 602/603 conductor's closet in a cabinet - has A/C power, has cable from all of the speakers, has cable from bathroom-end exterior, has new cable from opposite end exterior, has new cable from local microphone XLR
- 2) Fabricate and install switch panel
- 3) Install paging amplifier from Dining car
- 4) Fabricate and install 70V-to-Line adapter
- 5) Install new exterior connectors

502 and 503 Open Air:

- 1) Add conduit and J boxes to accommodate new wiring
- 2) Install new exterior connectors
- 3) Plan a location for a booster amplifier in the 503
- 4) Bring a tap from the audio bus to the speakers (verify that the speakers have 70V operation selected), keep in mind that there may be a booster amp inserted in the future (so might be able to wire the speakers to the TALK switch)