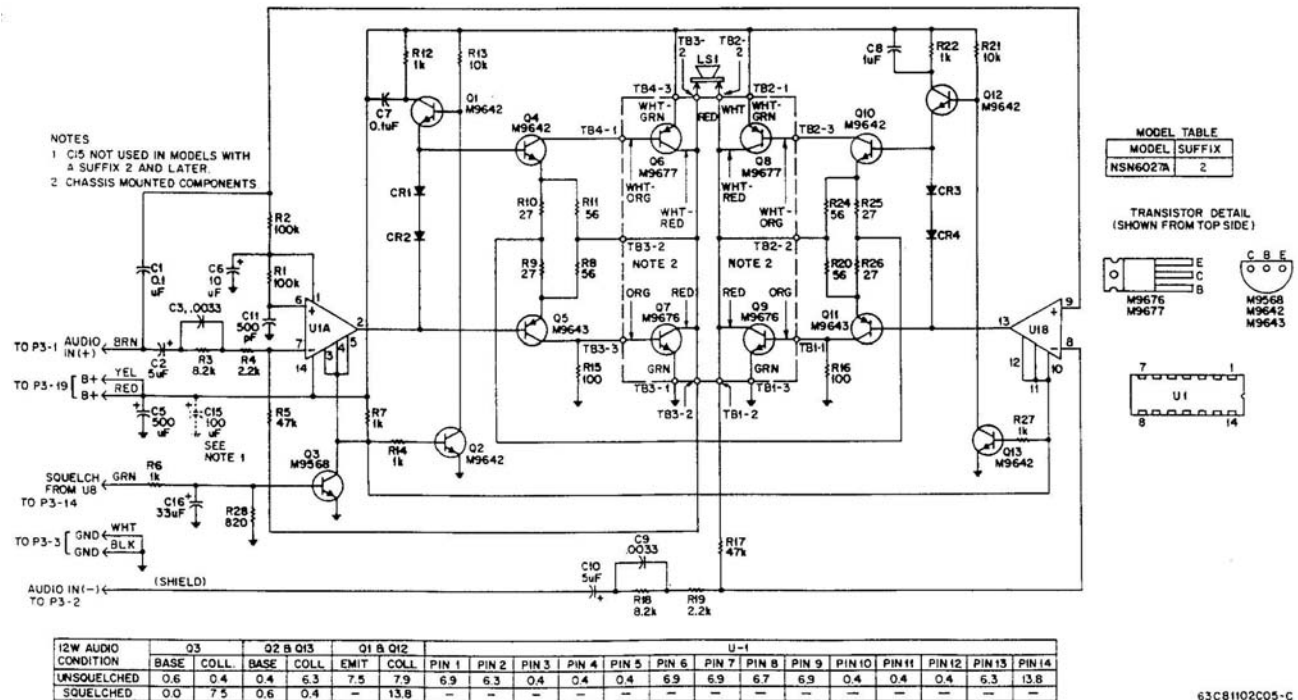


Motorola NSN-6027xx

Modification For Use as a General Purpose Amplified Speaker

SCHEMATIC DIAGRAM



To make the speaker operate, the Green wire must be tied to +12V.

Q3 is the switch that enables the entire amplifier. You can put a blob of solder across it's collector to emitter and that will turn the PA on all of the time.

If you have a convenient way of providing +12 or ground with carrier detect, the amplifier can be switched on and off to reduce average current demand.

Audio is fed on the Brown Wire referenced to ground.

+12 V is fed to the Yellow and Red Wires

Ground is applied to the White and Black Wires

I set mine up so that the cigarette lighter plug tethers the assembly as shown in Figure 1 Speaker Cabling. I use a suplus molded cable with the appropriate speaker plug on it. You can easily add a third line with power for a talkie or mobile.

Many of these are pretty dirty, so I pull the case apart and run it through the dishwasher. BEWARE You will find liberal quantities of silicon grease on the back cover.

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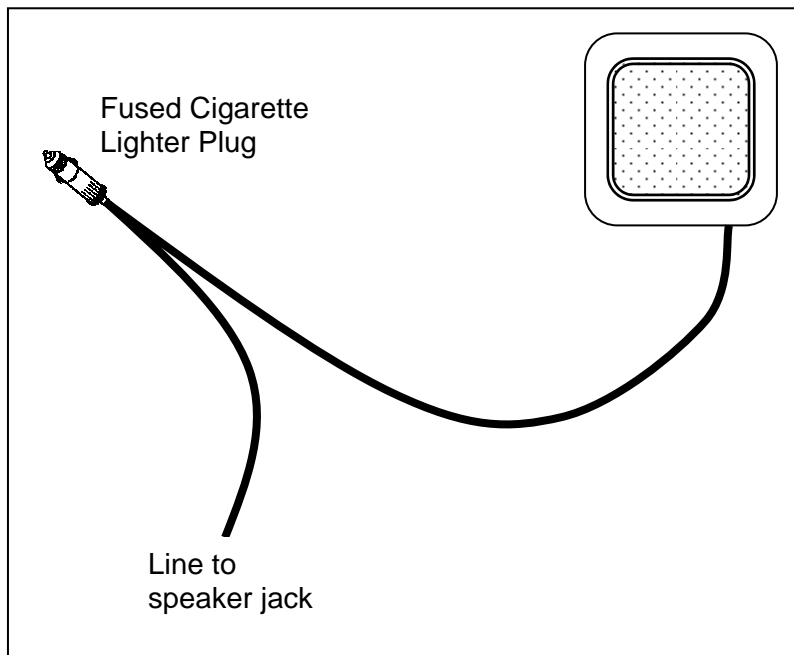


Figure 1 Speaker Cabling