



Figure 13 In a classic ground loop, the shield in the coaxial cable carries the power-supply current and interferes with the signal by inducing a series voltage drop in the outer conductor (a). You can also gather up the shields in a cable and solder a wire to them to pass the shield through a conventional amp-pin connector (b). You can use a wire to connect the hood of a car to the body, but RF signals easily pass through the gap between the hood and the fenders (c).