

## RESISTORS FOR LED TURN SIGNALS 28-90019



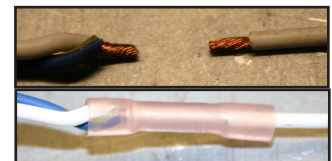
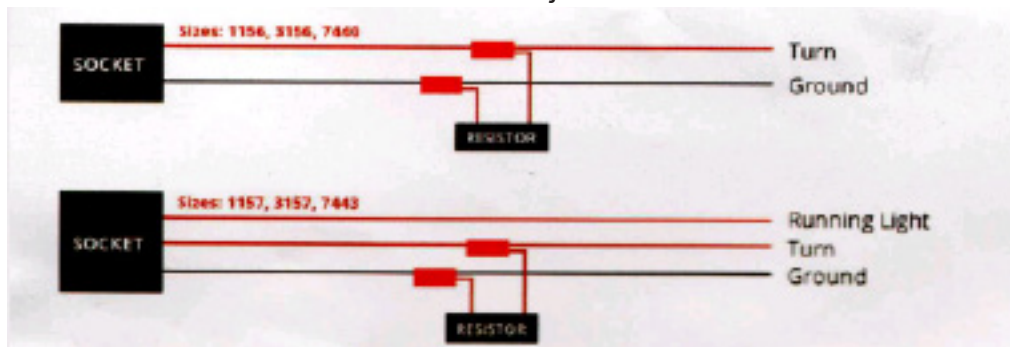
Thank you for your purchase. These resistors are used to prevent hyperflash when switching to LED turn signals. If you have any questions during installation or suggestions for improvement to the product or the instructions - please don't hesitate to call or email.

**WARNING: Not everyone can perform every installation. It is critical that you be honest with yourself in regards to your ability. We're more than happy to help, but there are only so many things we can do from the other end of a phone / computer. If in doubt, discuss the install with us before you dive in. Improper installation could cause injury and / or death!**

#### Required tools:

- Phillips screwdriver
- Small flat blade screwdriver
- Pliers
- Wire cutters, stripper, crimpers (optional)
- Heat gun (optional)

1. The resistors already come with some generic instructions. These instructions are intended to supplement them.
2. We have included some 3-way butt connectors to provide you with an alternative way of installation that we find to be far more reliable than vampire clamps.
3. Since the resistor will get hot with prolonged usage, use caution when determining where the resistor resides after installation. Zip ties are included for securing the resistor. Make sure to secure the resistor to an object that can tolerate heat.



4. Below are the wire colors for each model of Miata for your reference.
5. List of **NA** turn signal wire colors:
  - Left front: *Power* - Green/Orange (G/O) & *Ground* - Black (B)
  - Right front: *Power* - Green/Yellow (G/Y) & *Ground* - Black (B)
  - Left rear: *Power* - Green/Black (G/B) & *Ground* - Black (B)
  - Right rear: *Power* - Green/White (G/W) & *Ground* - Black (B)
6. List of **NB** turn signal wire colors:
  - Left (front/rear): *Power* - Green/Black (G/B) & *Ground* - Black (B)
  - Right (front/rear): *Power* - Green/White (G/W) & *Ground* - Black (B)
7. List of **NC** turn signal wire colors:
  - Left (front/rear): *Power* - Green/Black (G/B) & *Ground* - Black (B)
  - Right front: *Power* - Green/White (G/W) & *Ground* - Black/Red (B/R)
  - Right rear: *Power* - Green/White (G/W) & *Ground* - Black (B)
8. List of **ND** turn signal wire colors:
  - Left front: *Power* - White/Orange (W/O) & *Ground* - Black (B)
  - Right front: *Power* - Green/Orange (G/O) & *Ground* - Black (B)
  - Left rear: *Power* - Blue/Black (L/B) & *Ground* - Black (B)
  - Right rear: *Power* - White/Black (W/B) & *Ground* - Black (B)
  - **NOTE:** we have seen some variations in wire color amongst NDs. The wire colors provided are what is found in the factory service manual. Since there are only two wires for each ND turn signal bulb, the resistor just wires in between them, as illustrated in the diagram above.