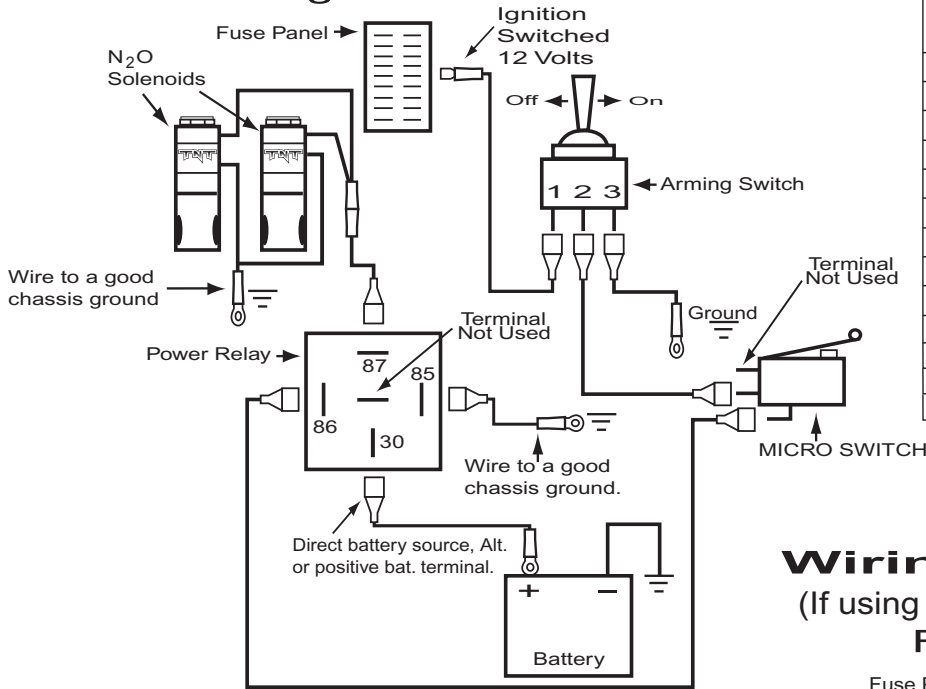


# Electrical System Installation (All Systems)

**Important:** Review the electrical system installation instructions before attempting the installations.

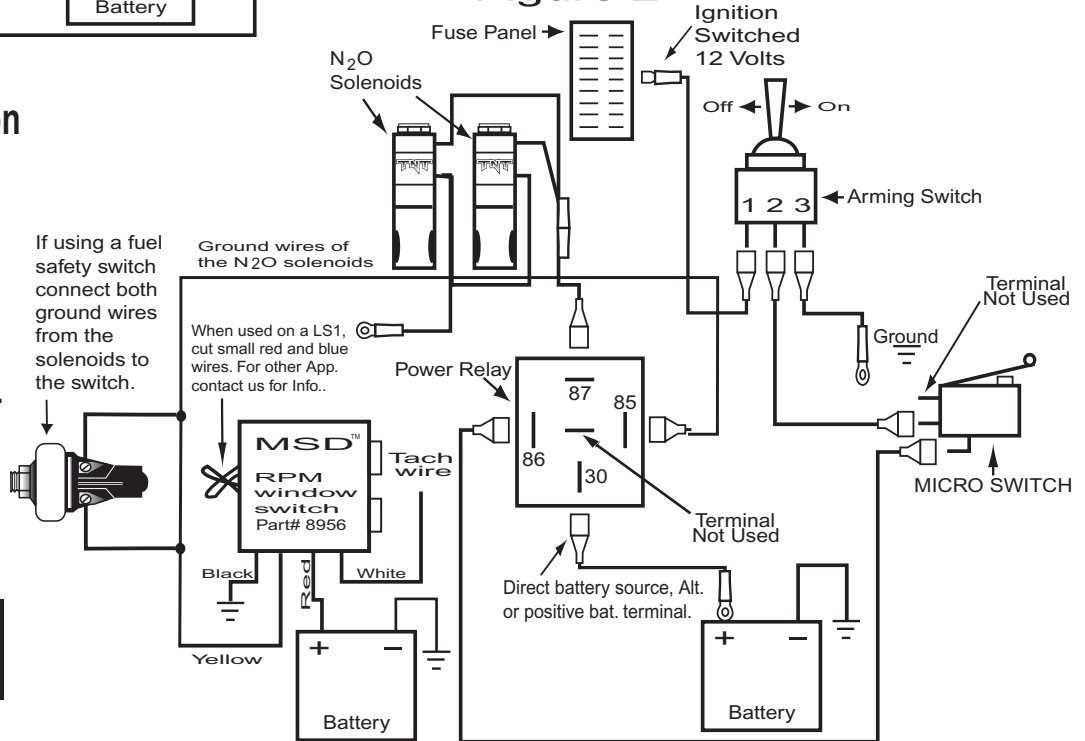
**Wiring diagram  
Figure 1**



**Parts List**

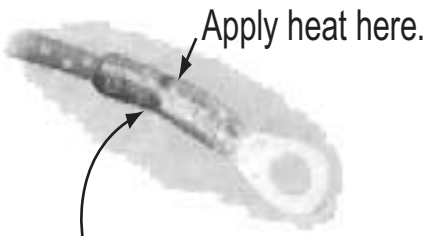
Item	Description	Qty
1	40Amp Power Relay	1
2	MICRO SWITCH	1
3	Arming Switch	1
4	Rubber Grommet	1
5	Female Push-On Terminal	9
6	Sleeved Eye Terminal	4
7	Sleeved Butt Connector	1
8	Male Push-On Terminal	1
9	Black Wire	1
10	Red Wire	1
11	Blue Wire	1
12	Yellow Wire	1
13	Green Wire	1

**Wiring diagram  
(If using a MSD part# 8956)  
Figure 2**

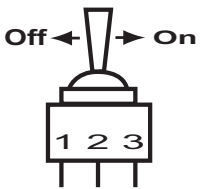
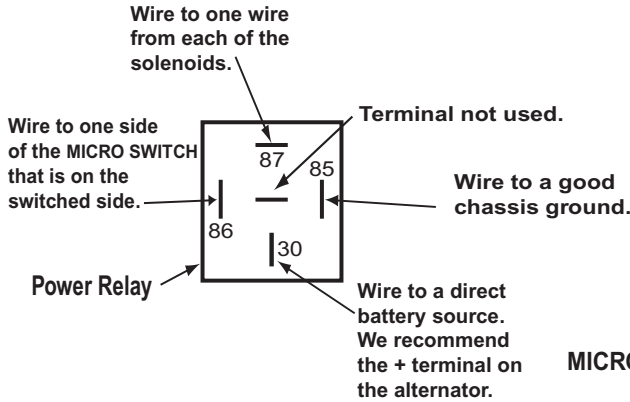
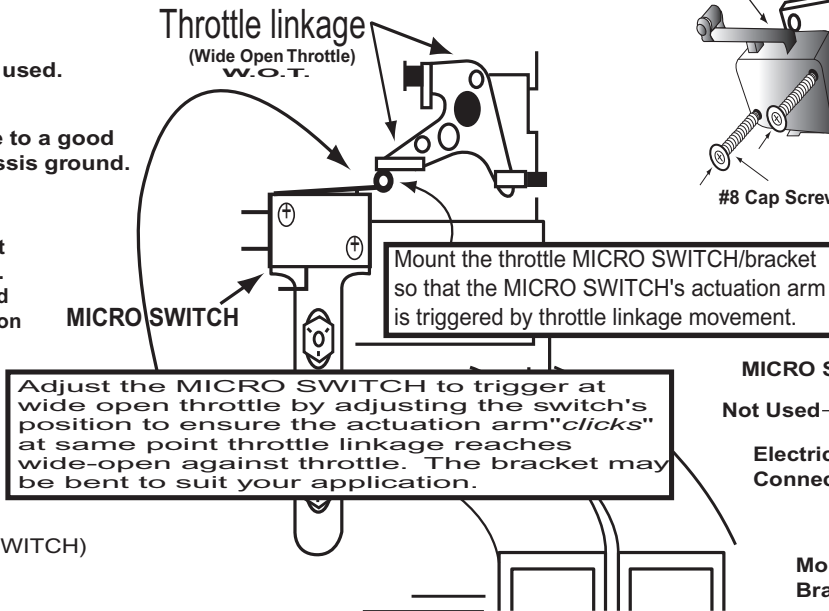
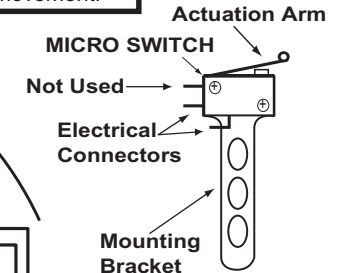
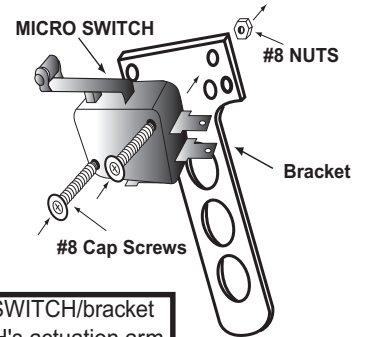


**Electrical Terminal Orientation  
(Figure 3)**

- Female Push-On Terminal
- Sleeved Butt Connector
- Sleeved Eye Terminal
- Male Push-On Terminal



TNT recommends using a heat gun or a hair dryer to apply heat to the terminals when heat shrinking.

**Power Relay Terminal Diagram**

**Arming Switch Terminal Diagram**
**Throttle MICRO SWITCH Installation (Figure 4)**

**MICRO SWITCH/Bracket Installation**

**MICRO SWITCH Orientation**

# WARNING

**Warning** Death, damage or injury may result from working on a energized electrical systems.

**Warning** When working on a electrical system always disconnect the car battery.

**Warning** Binding or dragging of the throttle linkage will create a potentially dangerous stuck-throttle condition. Ensure the MICRO SWITCH does not interfere with normal throttle linkage operation.

**Warning** When mounting the power relay make sure to mount the relay in such a manner that it will not move around or be in contact with any moving parts or working components.

**Warning** To run the power wire from the arming switch to the MICRO SWITCH you will have to drill a 1/8 inch hole through the fire wall. TNT supplies a rubber grommet that should be used to insure insulation of the wire from possible vibration wear resulting in arcing.

**Warning** When using an open flame for heat shrinking such as a cigarette lighter or any other open flame source, be sure not to come in contact with any material or objects that may catch on fire resulting in fire, damage, injury or death. TNT recommends using a heat gun or a hair dryer to apply heat to the terminals when heat shrinking.

**Warning** Failure to comply with instructions may result in damage to equipment.



## NOTE

- Solenoids are not polarized. Either wire will do. (See Figure 2.)
- TNT supplies a rubber grommet that should be used to ensure insulation of the wire from the arming switch through the fire wall to the micro-switch.
- TNT sends heat shrink terminals with their kits. These terminals are used where moisture and corrosion is a problem. After crimping these terminals heat is applied enabling the adhesive within each shrink tube terminal to melt and flow evenly to seal the connection against the harshest environments. TNT recommends using a heat gun or a hair dryer for heating the terminals. (See Figure 4.)
- For the arming switch light to work you must ground the switch to a good ground. (See Figure 4.)
- TNT recommends using a good chassis ground. We strongly urge you to clean the point before before connecting your ground wire or wires.
- The MICRO SWITCH may be mounted to the bracket in a variety of positions and on either side of bracket. The bracket may be bent to suit your application. (See MICRO SWITCH installation Figure 4.)

After you have read the **Warning** labels, notes, and looked over the wiring schematics use the following procedures to wire your nitrous oxide kit:

- 1 Disconnect the car battery.
- 2 Locate the best place for the relay. (TNT recommends mounting the relay such that it will not move around or be in contact with any moving parts or working components.)
- 3 After you have located the best place, mount the relay.
- 4 Mount the MICRO SWITCH to the bracket supplied with the hardware provided. (The MICRO SWITCH may be mounted to the bracket in a variety of positions and on either side. Figure 4)
- 5 Locate the best place to mount the MICRO SWITCH/bracket so the actuation arm is triggered by the throttle linkage movement at wide open throttle (WOT). The bracket may be bent to suit your application. (Figure 4)
- 6 Ensure the throttle and switch can reach activation position shown in Figure 4, by pressing the accelerator pedal to wide open position. Have an assistant slowly press the pedal to floor while you watch to see if the MICRO SWITCH activates at wide open throttle. (Use caution to be sure the MICRO SWITCH activates only at wide-open throttle and not before wide-open throttle.)



903 839 5498

[www.nitrous-power.com](http://www.nitrous-power.com)

- 7 Wire the relay as follows:
  - A: (86) wire to the #2 terminal of the MICRO SWITCH that is on the switched side. (Figure 1)
  - B: (87) Wire to one wire from each of the solenoids. (Figure 1)
  - C: (85) Wire to a good chassis ground. (Figure 1)
  - D: (30) Wire to a direct battery source. (We recommend the positive terminal on the alternator.) (Figure 1)
- 8 Next locate the arming switch in a location that will be easily accessible but out of high traffic areas to prevent accidental arming of the switch.
- 9 Mount the arming switch.
- 10 Wire the arming switch as follows:
  - A: Wire the power terminal (1) on the switch to a ignition switched 12volts. (We recommend using the fuse panel with the supplied connector. Figure 1)
  - B: Wire the ground terminal (3) to a good ground. (The ground terminal on the switch is for the light to work when the system is armed. Figure 1)
  - C: To run the acc. wire from the arming switch to the MICRO SWITCH, you must drill a 1/8 inch hole in the fire wall. Mark the hole and drill. (Be sure to check the back side of the location that you are drilling for lines, wires, or anything else that should not be drilled.)
  - D: Install the rubber grommet that is supplied.
  - E: Connect the acc. terminal (#2) to the normally closed side of the MICRO SWITCH (#3). (See Figure 1.)
- 11 Reconnect the Battery.