



Custom Dynamics® UTV Turn Signal Kit Installation Instructions

We thank you for purchasing the Custom Dynamics® UTV LED Turn Signal Kit. Our products utilize the latest technology and high quality components to ensure you the most reliable service. We offer one of the best warranty programs in the industry and we back our products with excellent customer support, if you have questions before or during installation of this product please call Custom Dynamics® at 1(800) 382-1388.

Part Number: CD-UTV-ARTS-KIT

Package Contents: (See Photo pg. 2)

- Amber LED Turn Signals (2)
- Red LED Turn Signals (2)
- Turn Signal Indicators (2)
- Flasher Relay (1)
- Ground Cable (1)
- CAN Adapter (2)
- Butt Connector (1)
- 9" Tie Wraps (25)
- Wire Taps (3)
- 3 Position Cage Clamps (4)
- 5 Position Cage Clamps (1)
- Steering Column switch (1)

Fitment: Universal fitment for UTV's requiring turn signals and 4-way hazards for on-road use.



ATTENTION



Please read all Information below before Installation

Warning: Disconnect negative battery cable from battery; refer to owner's manual. Failure to do so may result in electrical shock, injury, or fire. Secure negative battery cable away from positive side of battery and all other positive voltage sources on vehicle.

Safety First: Always wear appropriate safety gear including safety glasses when performing any electrical work. It is highly recommended that safety glasses be worn throughout this installation process. Be sure vehicle is on level surface, secure and cool.

Important: Some wiring knowledge will be needed for this installation. Consult your vehicle detailed service manual for wiring information and color codes. Use a meter or test light to verify wiring before cutting or tapping any vehicle wiring. If the steps contained within are beyond your skillset, do not attempt installation, contact a qualified mechanic or dealership to assist you.

Note: This kit is designed for universal fitment. The following instructions show installation on a specific Polaris model that may vary in construction, location of controls and features compared to yours. You should note the following for reference only. Ultimately, it is up to you to find the best locations for the devices, the best routes for the wiring and make sure that they do not interfere with any mechanical parts on the vehicle. Make sure they cannot be pinched, cut or frayed. Failure to do so can result in damage to the vehicle,

Tools Needed for Installation

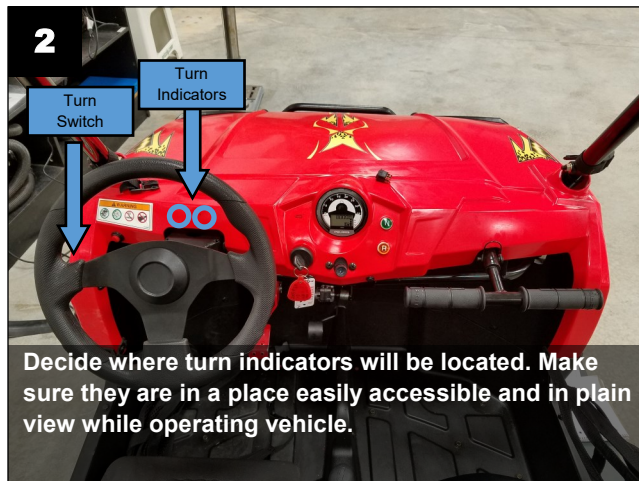
- Drill
- 3/8" Drill bit
- 1 3/8" (35 mm) hole saw
- Wire Cutters/strippers
- Electrical Stake-on Pliers
- Center Punch
- Measuring tape
- Vehicle Service Manual

Installation

1

Un-pack the contents of the kit. Use the photo diagram on page 2 to verify all parts are present.

2



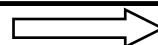
3

To ensure the turn indicators are level and centered, use a tape measure to find the desired location, then mark with a pen or pencil. Use a center punch at each marking to create a guide for the drill bit.

4

Install steering column switch by inserting clamp onto switch housing on the strapping bracket. Loop Clamp around the steering column at desired position. Engage the two ends of the clamp and tighten the screw until firmly mounted.

Instructions continued on page 3



Kit Parts List - Page 2



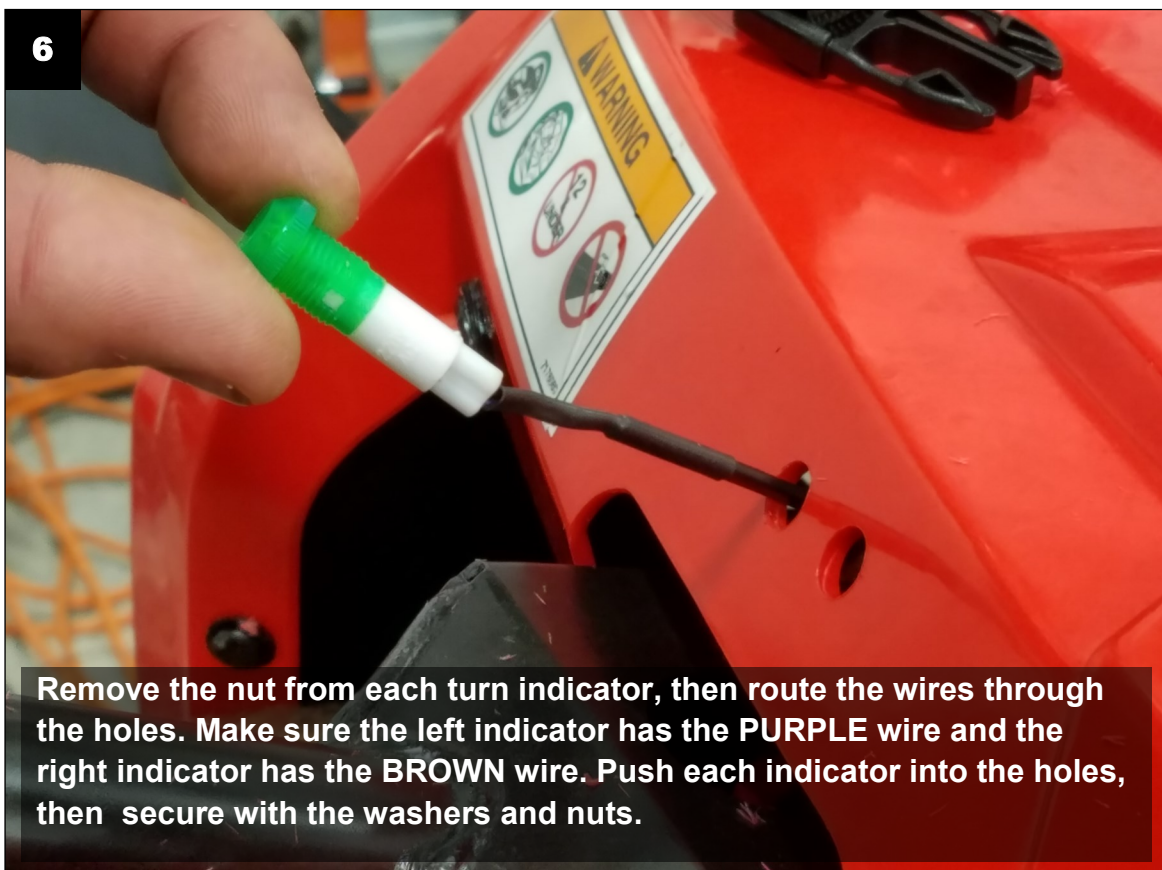
- 1. Amber LED Turn Signal x2
- 2. Red LED Turn Signals x2
- 3. Turn Signal Relay Harness with Fuse x1
- 4. Ground Cable x1
- 5. Can-Adapter x2
- 6. Turn Signal Indicators x2

- 7. Tie Wraps x25
- 8. Wire Taps x3
- 9. Butt Connectors x1
- 10. Steering Column Switch x1
- 11. 3 position Cage Clamps x4
- 12. 5 position Cage Clamps x1

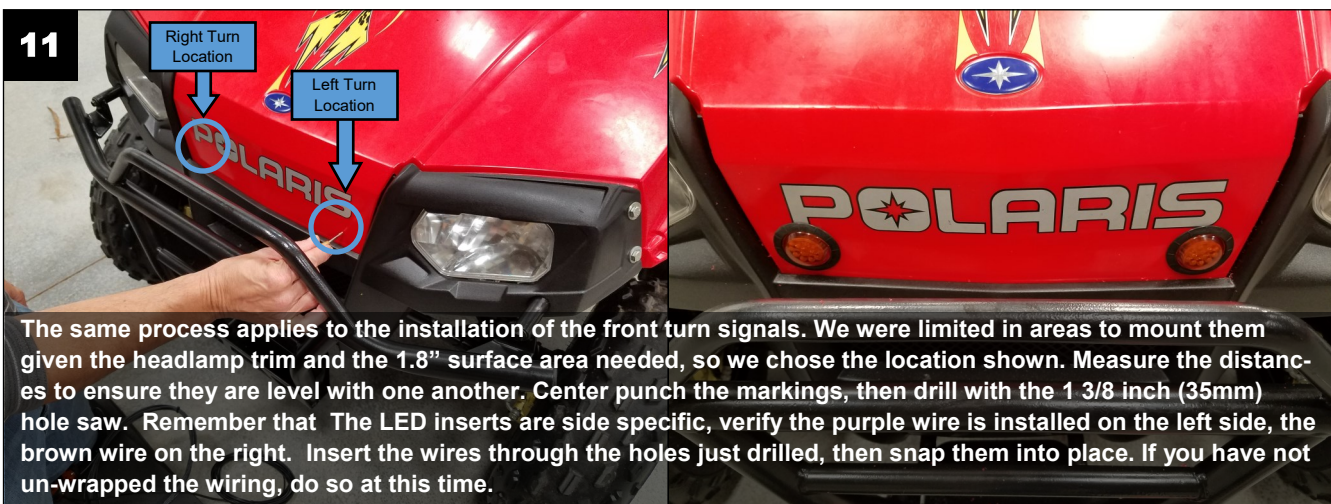
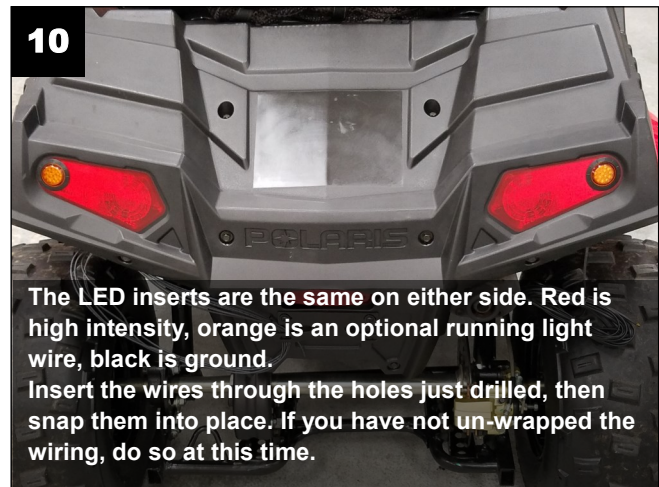
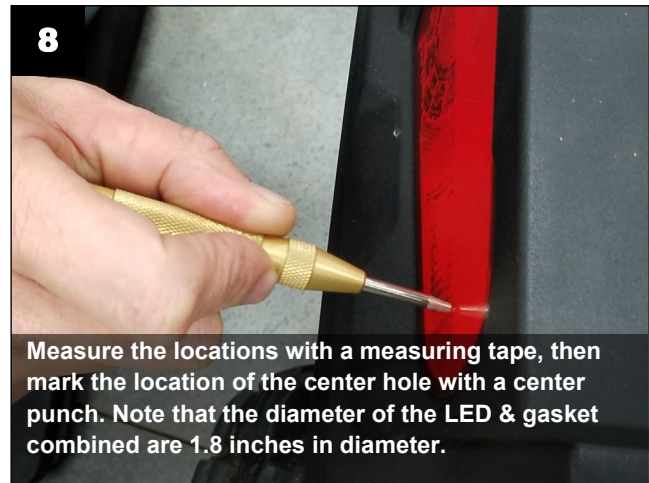
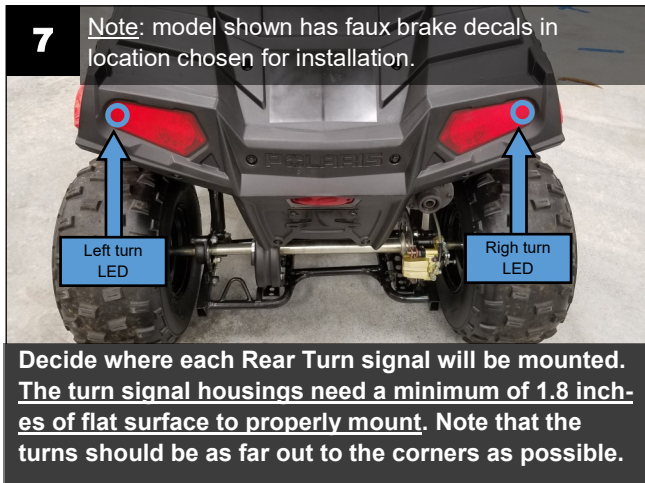
CD-JTV-TS-KIT - Parts List



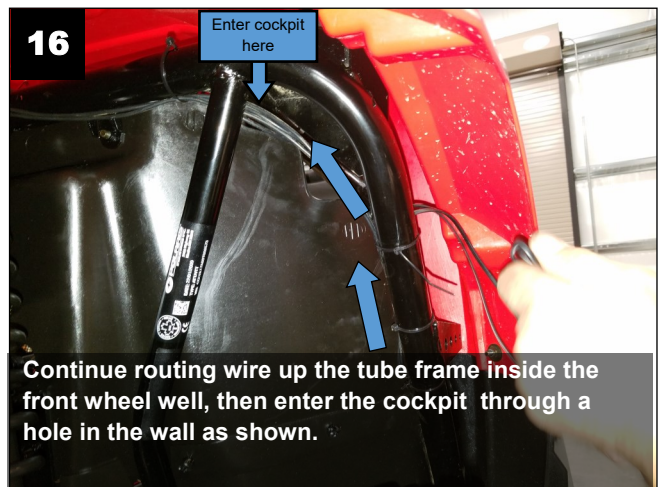
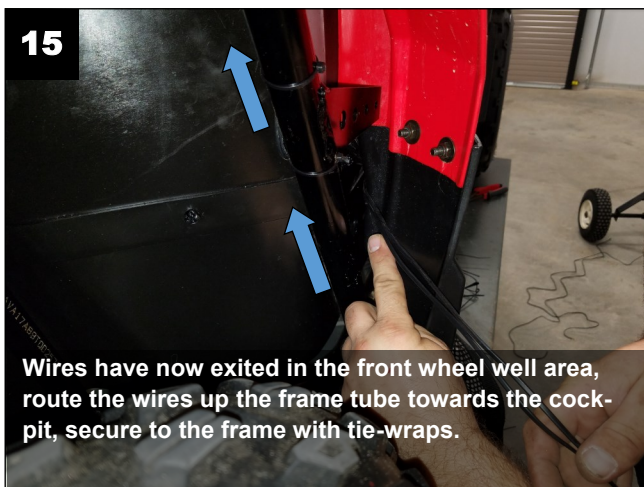
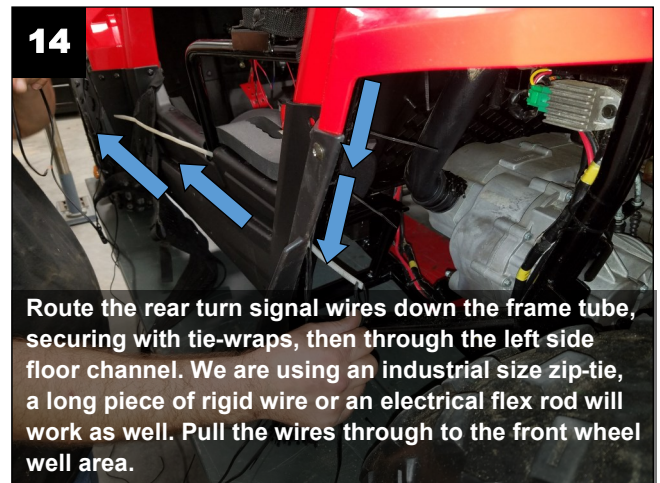
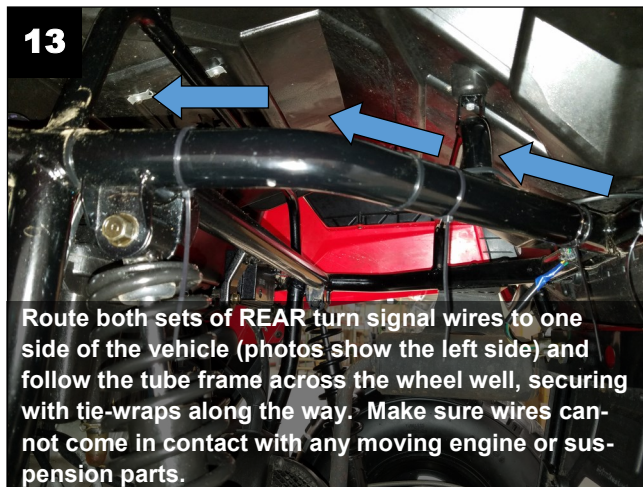
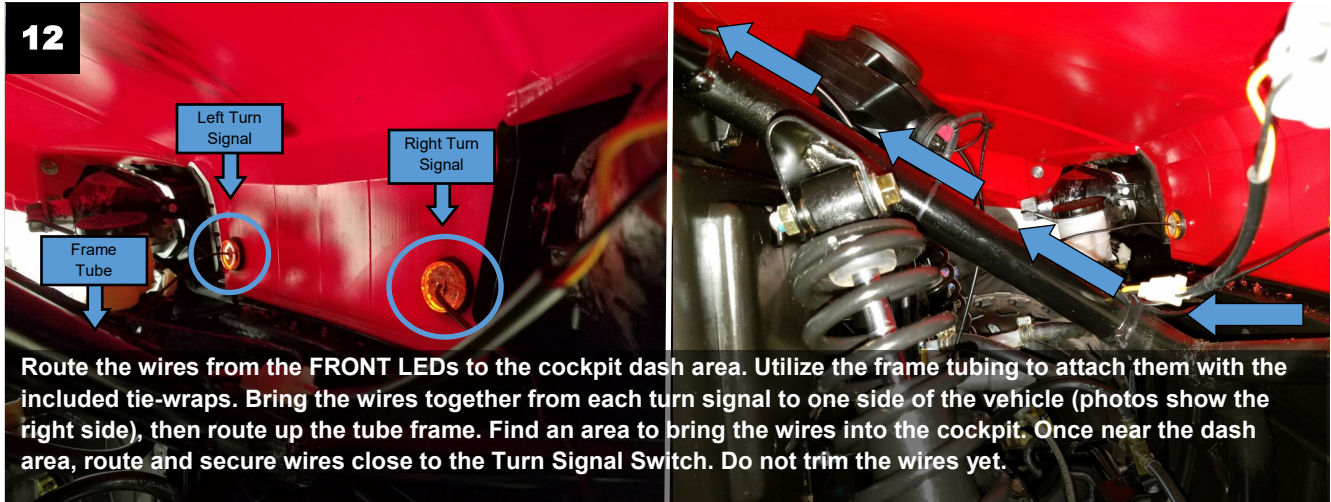
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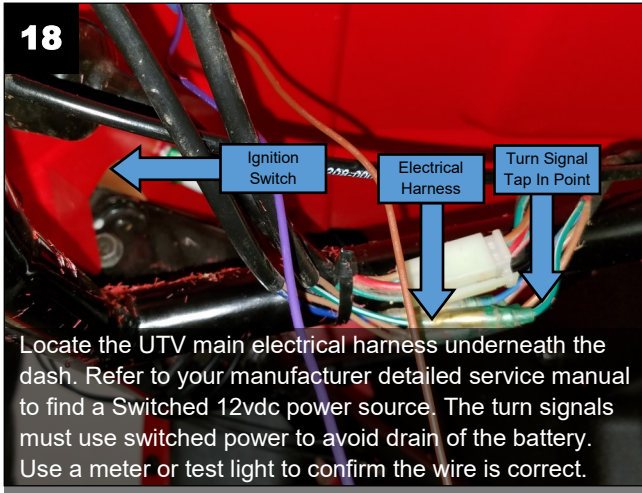


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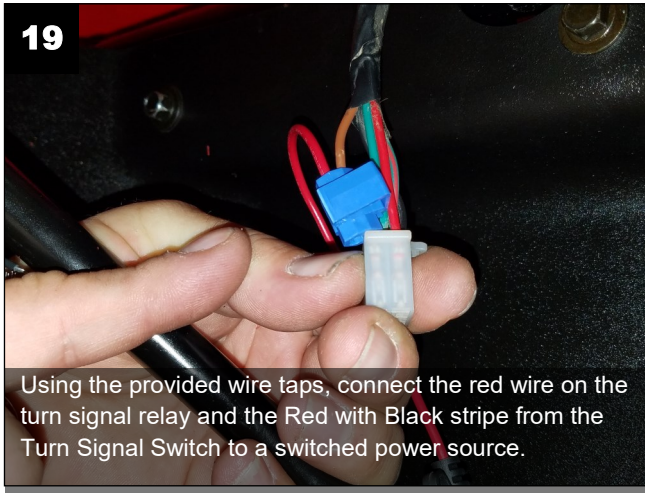
17

With all of the Turn signal wires inside the cockpit, measure the wires from the secure point on the frame to about 15-18 inches. This measurement should allow the wires to reach the brake pedal. Cut all four pairs of wires, then strip back the insulation using a pair of wire strippers. This wire length allows us to create what we call a "Service Loop". We will also wire in the turn signal relay harness and the diode harness in this loop. Further explanation of the loop will come shortly.

18



19



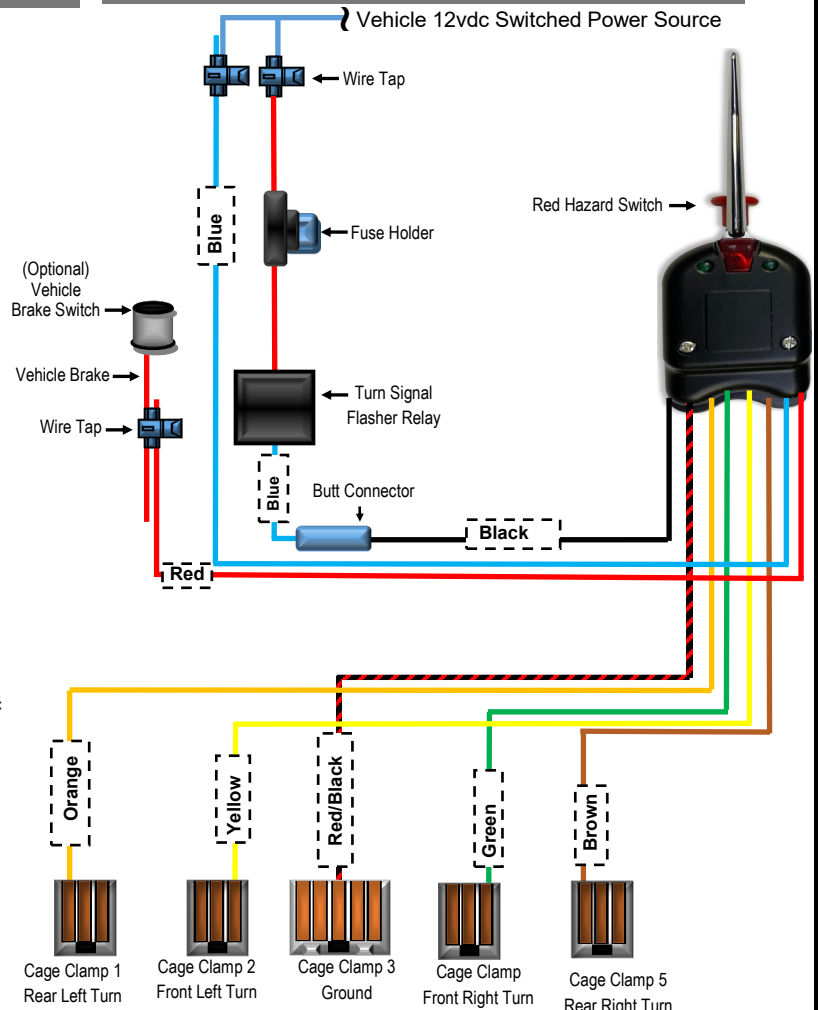
20

Referencing the wiring diagram at the right, identify the BLUE wire on the Turn Signal Relay. Using the provided blue butt connector, connect the blue wire on the Turn Signal Relay to the Turn Signal Switch's black wire.

21

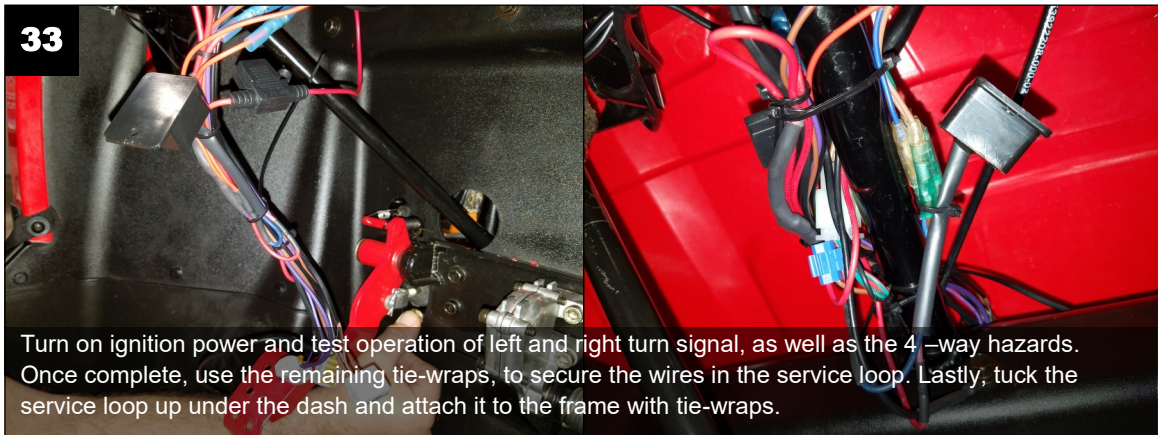
Referencing the wiring diagram at the right, configure the Turn signal Switch wiring:

- Red/Black– Connect to 5 Position Ground cage clamp #3
- Yellow– Connect to 3 position Cage Clamp #1 for Front Left turn signal power
- Orange –Connect to 3 position Cage Clamp #2 Rear Left turn signal power
- Green– Connect to 3 position Cage Clamp #4 Front Right turn signal power
- Brown-Connect to 3 position Cage Clamp # 5 Rear Right turn signal power
- Red (optional)-Connect using wire tap to vehicles brake output power to add brake to rear signals.



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- 25** The main harness is now assembled, trim the remaining harness wires to the length of the LED turn signal wires were cut earlier. Strip back the insulation on all wires in preparation for the next step.
- 26** The Turn Signals and Turn Signal Indicators will now need to be terminated into the Cage Clamps 1-5. Refer to the diagram on page 8,
- 27** Insert the positive PURPLE colored wire from the Left Rear Turn Signal into the number 1 Rear Left Turn cage clamp.
- 28** Twist the positive RED colored wires from the Left Front Turn Signal and Indicator together, insert them into the number 2 Front Left Turn cage clamp
- 29** Insert all of the BLACK colored ground wires into the number 3 Ground cage clamp. in order to fit all the wires, you will need to twist a couple of the BLACK wires together before inserting into the cage clamp, Using the provided Ground Cable, insert the wire end of the cable into the number 3 Ground cage clamp. Locate a suitable ground stud on the vehicle to attach the ring connector. Refer to the vehicle's detailed service manual if unsure of this location.
- 30** Twist the positive BROWN colored wires from the Front Right Turn Signal and Indicator, insert them into the number 4 Front Right Turn cage clamp.
- 31** Insert the positive RED colored wire from the Right Rear Turn Signal into the number 5 Rear Right Turn cage clamp.
- 32** Using one of the provided CAN-Adapters, Install the orange wire end into one of the slots of the number 2 Left Front turn cage clamp. Install the black wire end of the adapter into the number 3 Ground cage clamp. Using the remaining provided CAN-Adapter, Install the orange wire end into one of the slots of the number 4 Right Front turn cage clamp. Install the black wire end of the adapter into the number 3 Ground cage clamp.



Wiring Diagram - Page 8

