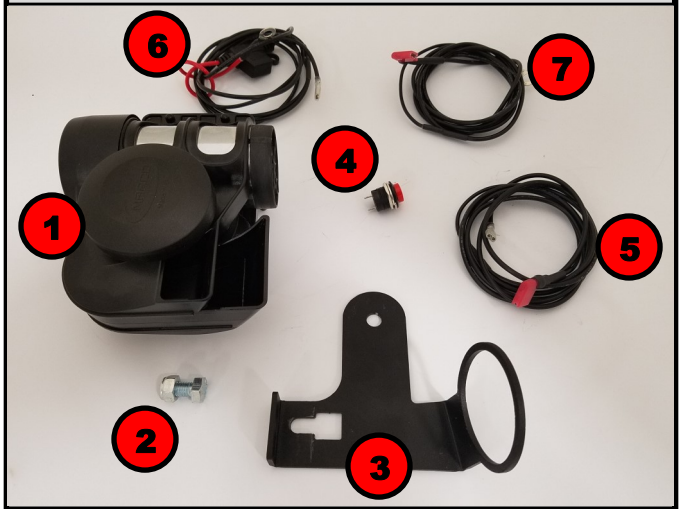
Custom Dynamics® UTV Universal Horn Kit Installation Instructions

We thank you for purchasing the Custom Dynamics® Universal UTV Horn 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-HORN-KIT

Package Contents:

1) Tornado™ Air Horn
2) Horn Bracket
3) Screw with Lock Nut
4) Momentary Switch
5-7) Harness Assembly Cables, A,B & C



⚠ ATTENTION ⚠

Please read all Information below before Installation

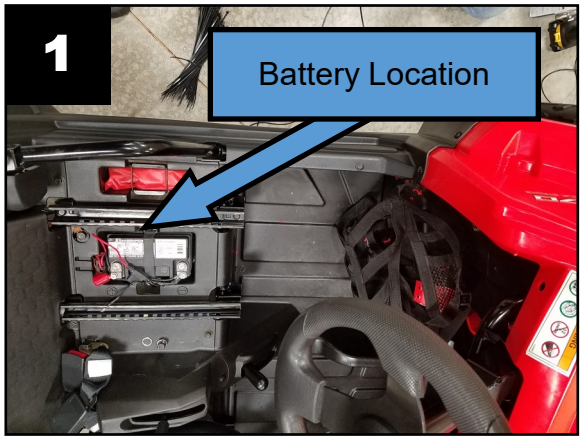
Warning: Disconnect negative battery cable from battery; refer to owner's manual. Failure do to so may result in electrical shock, injury, or fire. Secure negative battery cable away from positive side of battery and all other positive voltage sources on vehicle.

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.

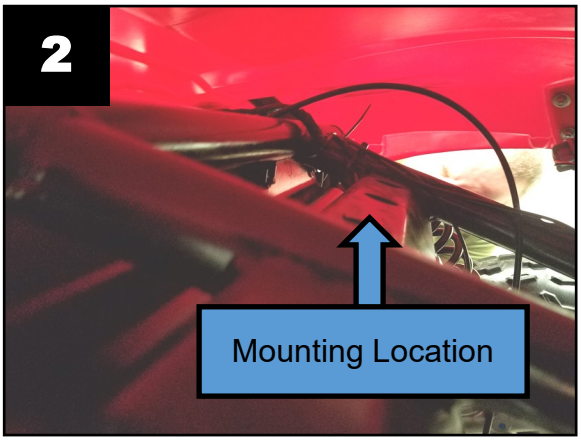
Note: Some minor wiring knowledge is needed for this installation. If the steps contained within are beyond your skillset, do not attempt installation, contact a qualified mechanic or dealership to assist you.

Supplies Needed: You will need a 9/16 drill bit, automotive grade black tie-wraps, mounting fasteners and hardware to secure bracket to the vehicle, a wire pull guide, and a liquid thread lock (loc-tite) for this installation.

Before Installation



Refer to your vehicle detailed service manual for the location of your UTV battery. The Polaris model we chose for our Instructions demonstration has the battery located under the driver's seat. If your battery is located in this area, removal of the seat may be necessary. Once access to the battery is completed move to step 2.



Determine the best location to mount the horn assembly. The front section of the frame under the nose panel is the perfect place to mount on this Polaris model, there is a cross member where we can attach the mounting bracket. Each manufacturer and model will be different, choose a location that will stay relatively dry, out of direct contact with mud and debris. The horn draws and expels air at a high rate and should not be obstructed.

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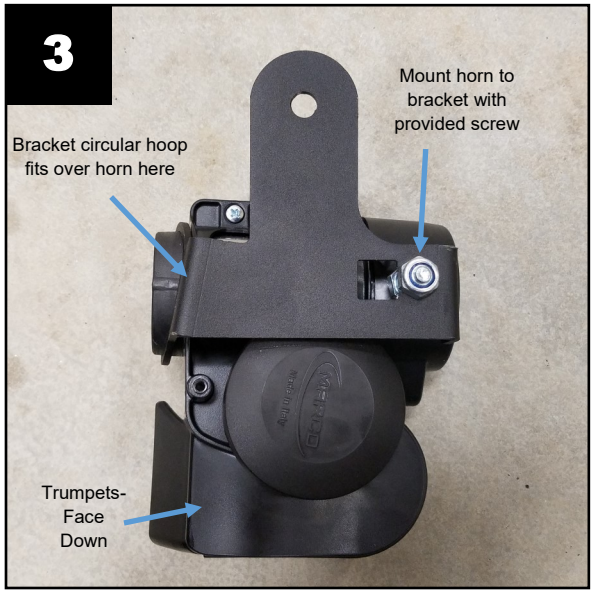


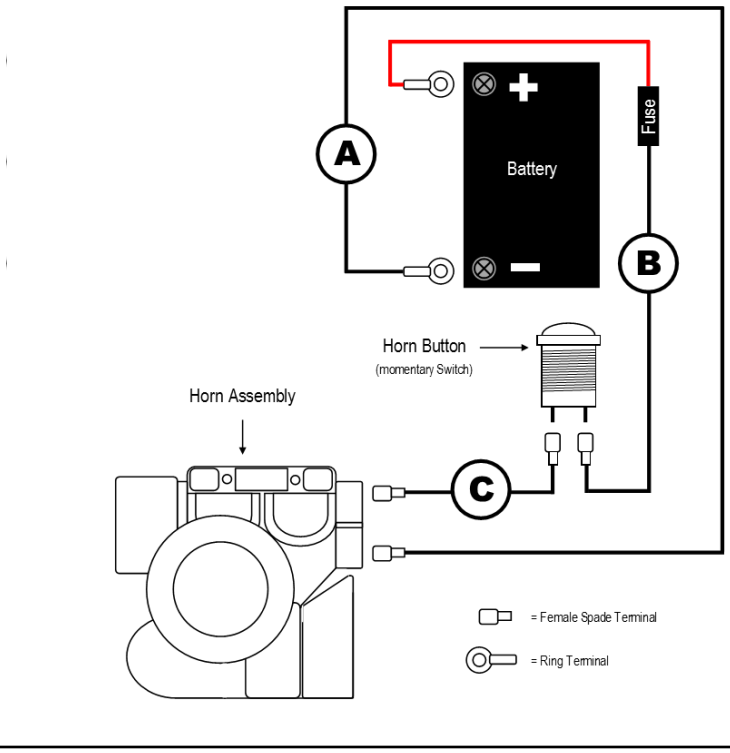
Remove the horn and kit components from the packaging. Take inventory of each part to ensure all are present before installation.

Step 3 centers on assembly of the horn to the included bracket. The parts for this step include the horn assembly, mounting bracket and mounting screw with nut.

Lay the horn down on a padded work surface with the horn trumpets facing down as shown in the photo. Attach the mounting bracket to the horn by inserting the circular opening of the horn (side with the power contacts) into the circular hoop of the mounting bracket as shown, then lining up the bracket with the mounting hole for the screw. Insert the head of the screw through the hole in the mounting bracket and insert into the mounting area of the horn. Secure the screw with the lock nut.

Note: Before securing the bracket screw, thread lock (Loctite®) should be applied to the screw threads.

4 Wiring Diagram/Harness cable Identification



Lay out all 3 cables in the kit. Find the Tag on each one which are Labeled A, B & C. Use the diagram to note wiring of each labeled cable. Below is the description for each cable:

A. 10 foot Negative ground cable -(black)
-Ring terminal connects to battery
-Spade terminal connects to horn Negative [-]

* It would be a good idea to also mark the spade end of this cable so that it will be identifiable during installation later.

B. 6 foot Positive Battery Cable - (red/black)
-Ring Terminal connects to battery
-Spade terminal connects to switch

C. 6 foot Positive Switch to Horn Cable - (black)
-Spade terminal connects to switch
-Spade terminal connects to horn Positive [+]

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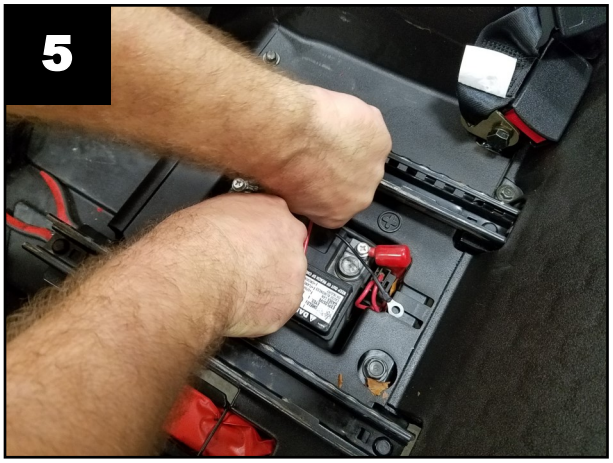
Cable Installation

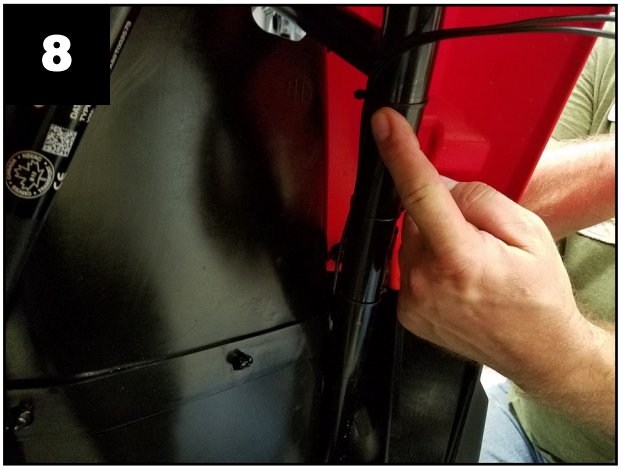
Important Note: This kit is designed for universal fitment. The following instructions show installation on a specific Polaris model that may vary in construction, location of controls and features compared to yours. You should note the following for reference only. Ultimately, it is up to you to find the best routes for the harness cables 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, the product or yourself.



Route cable A and cable B from the battery to the switch and horn locations. Align the ring terminals of the cables with the screw terminals of the battery. Determine the best line away from the battery. For this model we will run the wires down the drivers side body well.

We have routed the cables to the drivers side body well under the seat rails and have pulled the slack of the cables to the outlet point by the frame tube as shown in the photo.

You will need to fabricate some sort of a pull guide to get the cables from the driver's side body well to the front wheel well area. A long piece of rigid wire, a glow rod, or in our case, we used a super long industrial zip tie. Attach the cables to the end of the guide with electrical tape then insert it into the body well in the direction of the front wheel. Pull out the slack.



Run the cables following the frame tubing. We do this to keep them out of the way of suspension and other moving parts. You will want to secure the cables with clamps or tie-wraps (not included) as shown in the photo. At this point of the installation, the cables will separate from each other, cable A will be routed to the horn, and the cable B will route to the switch mounting location.

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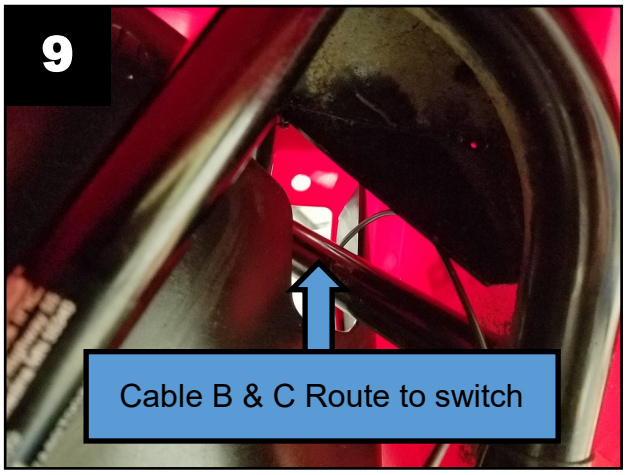
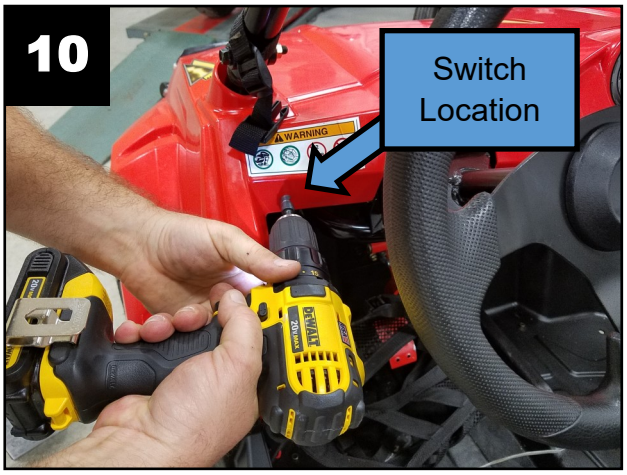
Switch Installation

Important 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 routes for the harness cables 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, the product or yourself.



Prepare cable C to route with cable B, they will both route up and into the driver compartment via a small frame hole in the body. Pull enough slack from both for the cables to reach the desired location on the dash where the switch will be mounted.



We selected this location to keep the wire routing simple in the cockpit, since it is right next to the frame where the cables come in. For the switch, since it is in between sizes, you will need to drill a 9/16” hole and then gently file the hole to fit the switch.

Remove the nut from the rear of the provided horn switch, and position it behind the hole in the dash. Next, insert both cable ends through the nut and through the dash. Install the spade connectors from both cables onto each pole of the horn switch. Insert the assembly into the hole, then tighten the nut. Inspect the cables behind the dash and secure to the frame and out of the way as needed.

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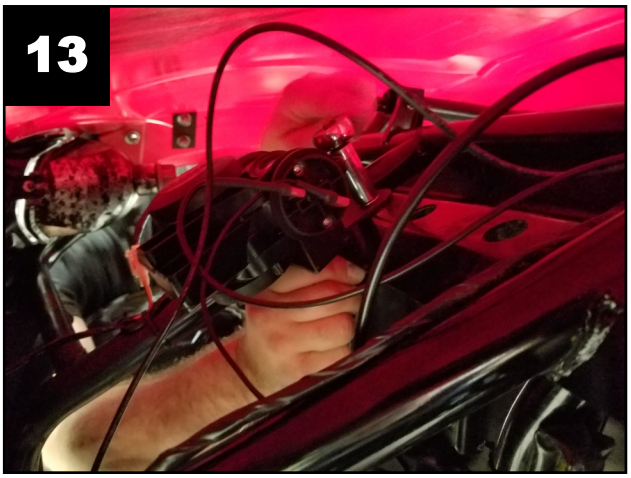
Horn Installation

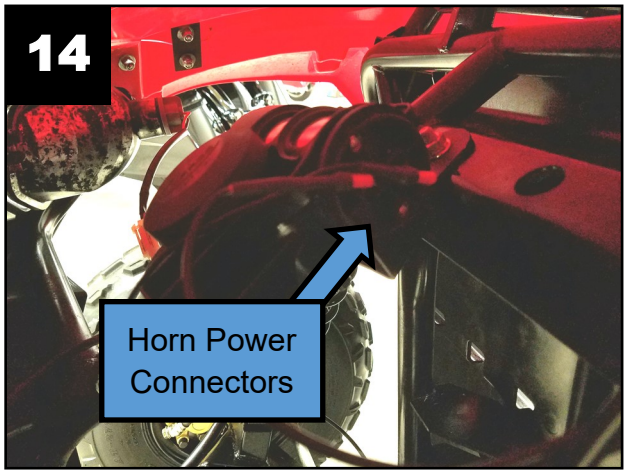
Important Note: This kit is designed for universal fitment. The following instructions show installation on a specific Polaris model that may vary in construction, location of controls and features compared to yours. You should note the following for reference only. Ultimately, it is up to you to find the best routes for the harness cables 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, the product or yourself.

Finish routing cables A & C to the horn mounting location, securing with tie-wraps along the way. Mount the horn assembly to the frame using your own fasteners. Due to the tight quarters under the front nose panel, we decided to use an existing hole and use washers as spacers to provide a secure mount. If you would rather drill a hole, this can be accomplished by removing the nose panel to give you drill access.

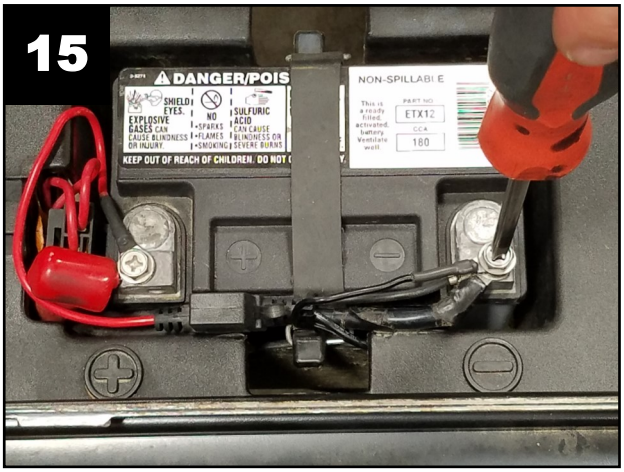


Position the horn so that the trumpets do not face an open wheel well, this is done to prevent mud splatters from entering the trumpets.

Note: Before securing the bracket screw, thread lock (Loctite®) should be applied to the screw threads.



Attach the spade connectors of cables A & C to the power connections on the side of the horn. Positive and negative markings are stamped bedside each terminal on the horn. Dress any remaining hanging cable and secure to the frame with tie-wraps.



Connect cables A & B to the battery by the ring terminals. Once secured, the horn is ready for testing. Press the installed horn switch on the dash. The horn will sound both trumpets simultaneously. If no sound emits from horn, go back and check the spade connections at the horn, swap them if needed. Re-test.