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Airdelete.com recommends a certified technician installs our products. Professional knowledge of disassembly and re-assembly as well as post installation checks must be followed. Attempts to install our products without expertise and knowledge may lead to unsafe operation of the vehicle. The purchaser expressly agrees to indemnify and hold harmless airdelete.com for all claims resulting from the purchase, ownership, or use of our products.

By installing our product, you agree to the above terms.

To help make the installation process as easy as possible, we have created a list of switch panel part numbers which is available at airdelete.com/pages/switch-panels

Please visit the website and scroll through the pictures to find a switch panel where the top row in the image matches the top row on your current switch panel. The part number for the corresponding switch panel is provided so that you may order the panel and complete your installation. You may order this part through your local RAM dealer or through one of many online parts vendors. We do not carry switch panels.

Ram Auxiliary Panel Installation Instructions

Remove your new relay box and wiring harness from the box. Identify the wires coming out of the relay box and familiarize yourself with them. The pair of red wires with ring terminals are the positive feed for the relays. The short set of 5 multicolored wires are the positive feeds for each of the five potential devices that will be wired to the switches. The long collection of control wires with the connectors on the end will go to the back of your new switch panel on the dash. Notice that this wire is split by five spade connectors. This is so that you can easily feed each wire through the hole you'll make in the firewall and will allow you to drill a much smaller hole vs if you had to fit the entire connector through.

Start by identifying the place you will drill the hole to route your control wires through. We recommend the small plastic panel approximately 6" directly above where the throttle cable goes through the firewall. See the picture below:



Unplug the spade connectors. We recommend a single $\frac{1}{2}$ " hole, you will be able to feed the spade connectors from the wires on the relay box one by one through to the inside of the truck. After the spade connectors are pushed through, go around to the drivers side and pull a couple of feet of the control wires into the truck.

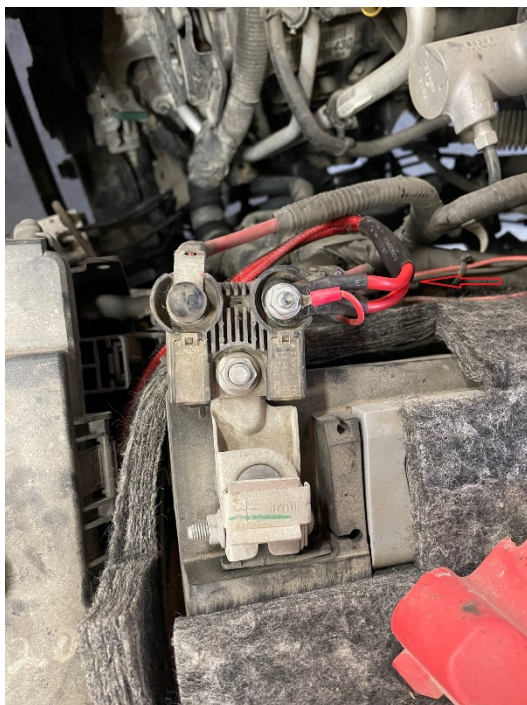
You must now identify where you would like to mount the relay box. Our recommended spot is pictured below, although you can mount the relay box anywhere you see fit, as long as you ensure there is sufficient wire length before mounting. We have designed the relay box with some extra wire length to accommodate various mounting locations.



There may be a small wire tied to the body of the truck near the mounting location in the image. If necessary, you may pull the mounting pin so that you can tuck this wire underneath the relay box. Hold the relay box up to the body of the truck, and use a marker to mark through the mounting holes. This will be your guide to drill holes for the mounting screws.

You may now drill holes. This may require removal of the battery to gain sufficient space to drill. Once the holes are drilled, use the supplied mounting screws to fasten the relay box to the body of the truck.

You may now proceed with attaching the feed wires (two red wires with ring terminals) to the positive battery terminal. See the images below for recommended routing and fastening.



You may now direct your attention to the control wires that need to be connected to the switch panel on the dash. Gently pull these wires through until you've taken up all the slack.

There are different variations of dash panels but most are removed in the same manner. We will go over the steps to remove the dash panel with a center console as this has the most steps. If you do not have a center console, you can ignore removal steps that involve the console.

Remove the rubber pads in the four spots indicated below.



Below these four pads are a combination of Philips screws, torx screws and one 9/32 screw. Remove these. Be sure to remove the torx screw at the back of the panel (above the outlet in the image).

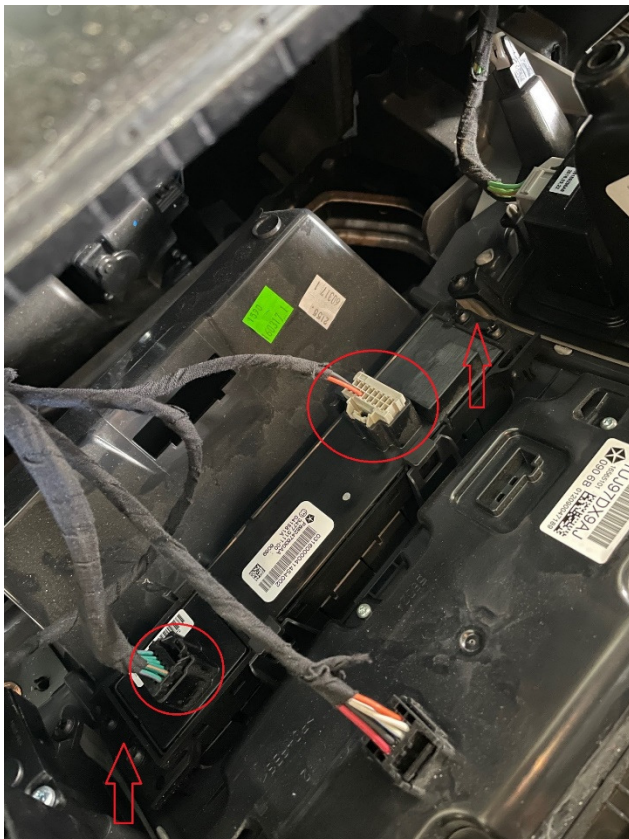
Once the screws have been removed, you may remove the console tray by pulling upwards on the console. We find this works best by placing your hands on the outsides of the console and pulling up where the silver portion of the console tray meets the black portion of the console itself. The image below shows the console panel removed:



Remember to remove the wiring for the cigarette lighter by depressing the tab on the connector and pulling the connector outwards.

You may now remove the radio trim panel. This can be tricky and a bit scary as it does require some force. Place your hands around the trim panel or on the coin tray at the top of the panel. Forcefully pull outwards to detach the locking clips.

There are some white clips that hold the trim panel to the dash, if you lose one of these the part number is 06510407AB and they come in bags of 7, but are inexpensive.



Fold the trim panel towards yourself and find the back of the button panel. There are two connectors, the white connector on the right is for the button panel and the black connector on the left is for the brake controller, if equipped. Unplug both of these connectors and remove the four Philips screws noted in the image to the left. Remove the button panel from the vehicle by depressing the tabs.



Remove the trailer brake controller(if equipped) or the blank panel by sliding a small screw driver between the brake controller and the housing as shown in the image. Gently work the brake controller forward and use the screw driver to depress the clips on the opposite side. You may slide the brake controller into your new aux switch panel.



You may now feed the control wires from the relay box up through the dash and into the area where the back of the aux button panel will be. We recommend through the hole circled in red in the image to the left. You will likely have some extra wire length. This is ok, once the dash panel is reassembled, this extra wire can be neatly tied up under the dash with the supplied zip ties.



You may now reinstall the Aux button panel back into the dash and fasten it into place with the four Philips screws removed earlier. Take the small section of control wiring that has not been used yet. You may plug the male connector into the back of your aux button panel and your stock connector will be plugged into the female connector on the wiring harness. See the image to the left.

You may now plug in each of the control wires. Simply match up the colors and plug the spade connectors into each other.

You may now reassemble the dash in reverse order.

Remember to neatly zip tie up any extra wiring and it is good practice to use a small amount of silicone to seal the gap between the wiring and the hole you drilled into the firewall. This will keep dust and debris from entering the cab through this hole.

Installation is now complete! The sticker on the inside of the relay box cover shows which aux switch corresponds to each wire color. You may wire the positive wire on your device to the appropriate wire for the aux switch that you would like to use for that device. The negative wire on the device can be attached to ground anywhere along the chassis of the vehicle. Each aux circuit has a corresponding fuse within the relay box, please ensure that you choose an appropriate aux circuit given the amperage of the device that you intend to use for that circuit.