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RG4-Q5VRC

2018-Up Polaris Ranger XP1000
with Ride Command
5 Speaker RGB LED Audio Kit



Ranger XP1000

pg 3

Panels and Dash
Disassembly



pg 5

Amp Tray
Installation



pg 8

LIT-CC RGB Controller
Installation



pg 9

Subwoofer
Installation



pg 12

RGB Kick Panel Speakers
Installation



pg 14

Rear RGB Cage Pod Speakers
Installation



WIRING DIAGRAM OF COMPLETE KIT

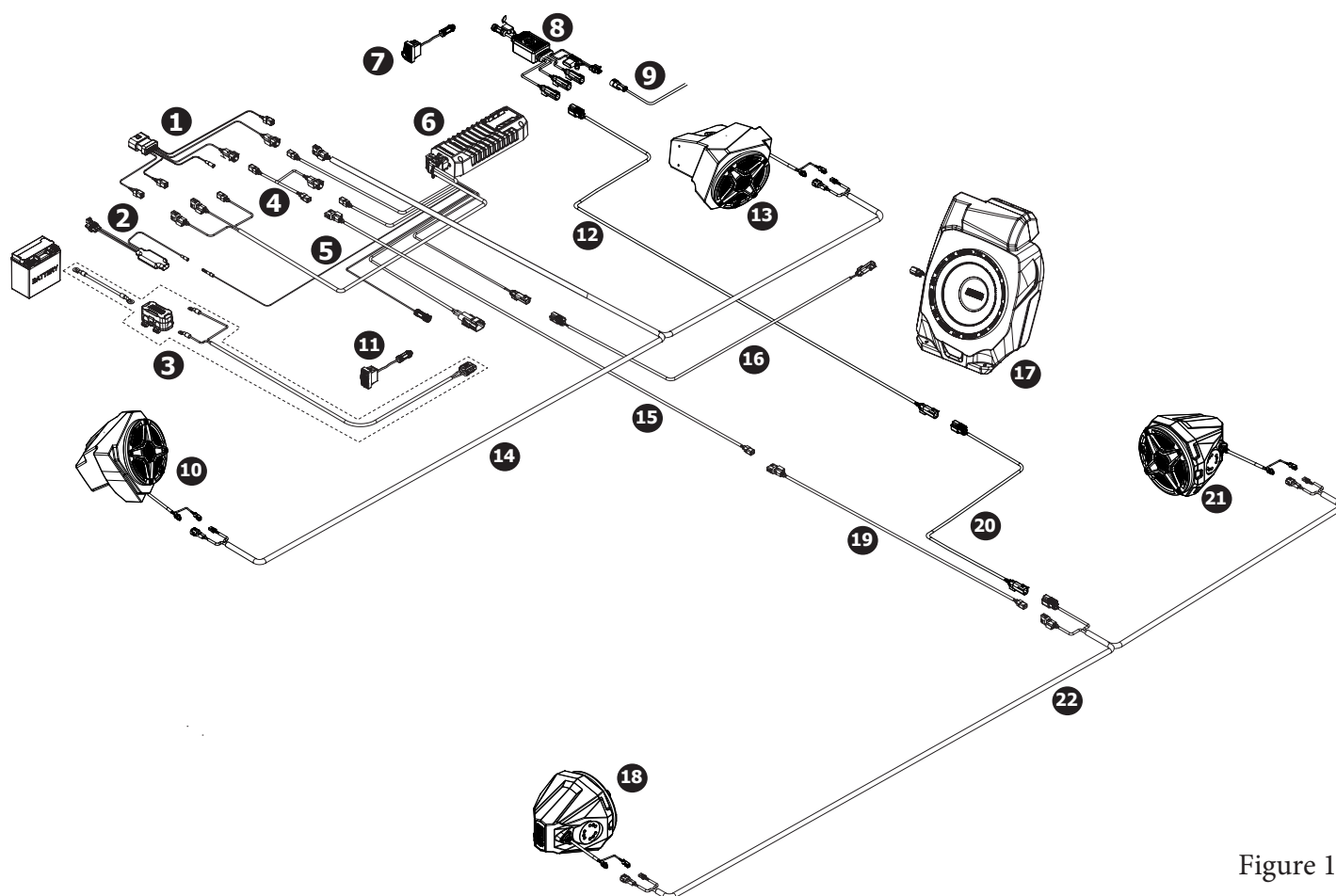


Figure 1

Figure 1 is designed to show the installer a reference overview of the complete 5 speaker RGB LED wiring diagram. Each installation section will have its own detailed wiring diagram.

	Description	Part #
1	Ranger Ride Command Harness	B-H3076
2	Ranger Amplifier Anti-POP Circuit	B-H2917
3	Amp Wiring Kit Assembly, 10 ft.	A-H1Q
4	4 Pin Audio "Y" Splitter	B-H1463
5	800.5 Amplifier 32-Pin Universal Harness	B-H2605
6	800 Watt 5 Channel Amplifier	B-A8005
7	RGB LED Controller Rocker Switch for 230-LIT-CC	230-LIT-CC
8	SWITCH Works RGB LED Controller Command Center	
9	230-LIT-CC Power Harness	
10	Front RGB Kick Pod Enclosure, Left	230-RG4-F65V
11	Amplifier Rocker Switch for B-A8005	B-AMPRS
12	RGB Extension, 8 ft.	B-H2933
13	Front RGB Kick Pod Enclosure, Right	230-RG4-F65V
14	RGB Front Speaker "Y" Harness, 4 ft.	B-H2935
15	4-Pin Audio Extension Harness, 8 ft.	B-H1913
16	2-Pin Audio, Sub Extension Harness, 8 ft.	B-H2702
17	Ranger Loaded Subwoofer Enclosure, 10" 2 ohms	230-RG4-SB10V
18	6.5" Loaded RGB Cage Pod, Left	USL-C65V
19	4-Pin Audio Extension Harness, 2 ft.	B-H1912
20	RGB Extension, 2 ft.	B-H2934
21	6.5" Loaded RGB Cage Pod, Right	USL-C65V
22	RGB Rear Speaker "Y" Harness, 7 ft.	B-H2936

PANELS AND DASH DISASSEMBLY

WARRANTY INFORMATION:

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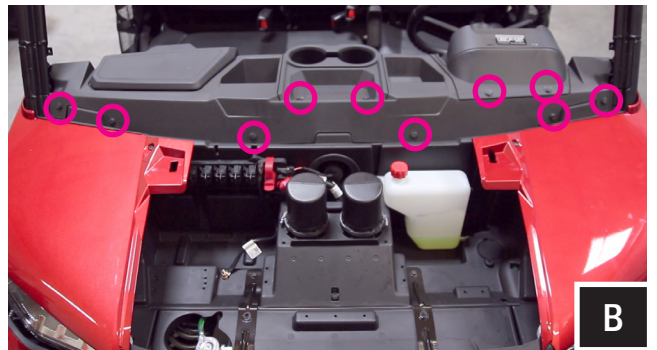
Please read and understand these instructions completely before installation to avoid possible injury, or damage to the accessory or vehicle.

TOOLS NEEDED FOR INSTALLATION

- T-40/30/25 Torx Driver - Phillips Screwdriver - Drill - 3/32" Bit - 9/16" Bit



A. Remove hood by turning locking pins and lifting up.



B. Use a panel tool to extract push pins circled in pink.



C. With push pins extracted, lift to remove the cup holder.



D. Lift and disconnect gauge cluster for removal.



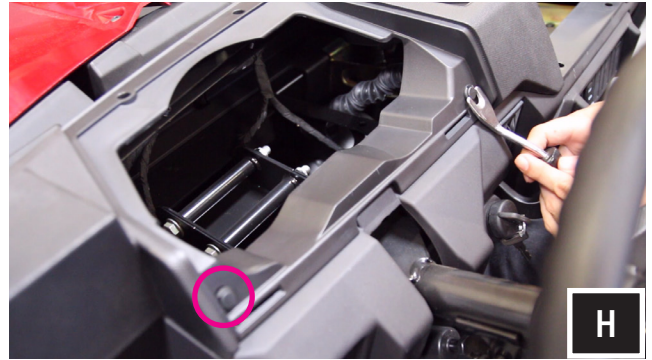
E. Unscrew (4) torx screws located in upper glove box and remove box.



F. Extract push pins that are now exposed from removing the upper glove box.



G. Extract push pins exposed from cup holder removal.



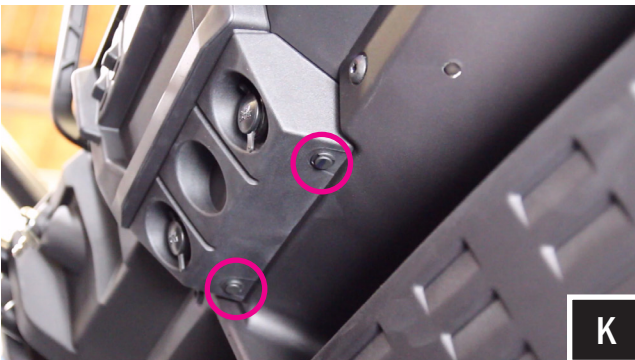
H. Extract push pins exposed from gauge cluster removal.



I. Extract push pins located above driver and passenger side cup holders.



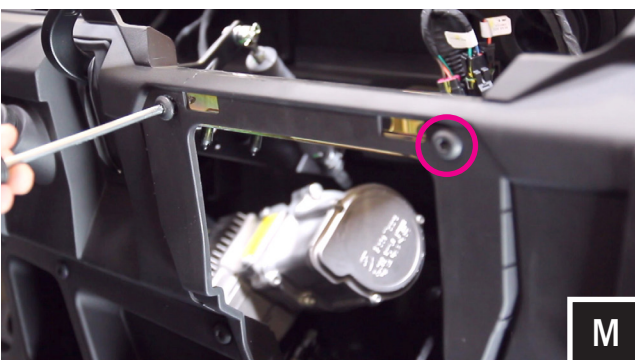
J. Lift to remove the dash.



K. Extract push pins located beneath 12v sockets.



L. Remove front dash panel and disconnect the 12v socket harness.



M. Unscrew (2) torx screws that were behind the front dash panel.

AMP PLATE INSTALLATION PARTS LIST

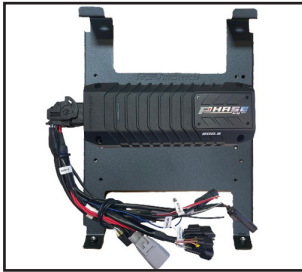
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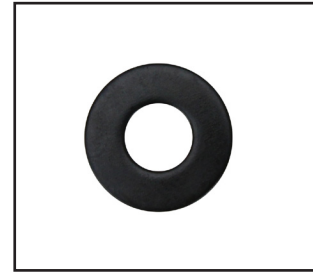
PARTS LIST IMAGES



1. Amp Tray (B-A2554)
pre-loaded with Phase EQ Amp



2. M6 x 1.0 Screw x4
(T-30 Torx) [B-S2187]

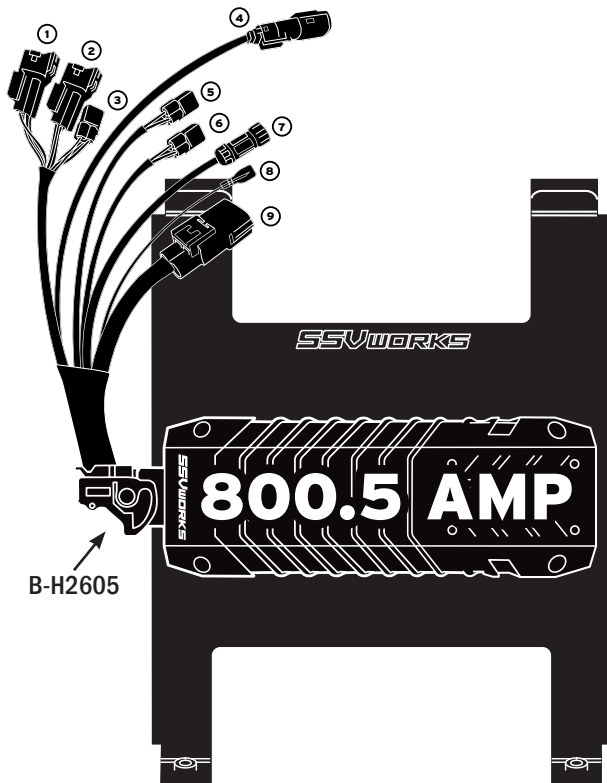


3. M6 Washer x4

AMP PLATE INSTALLATION

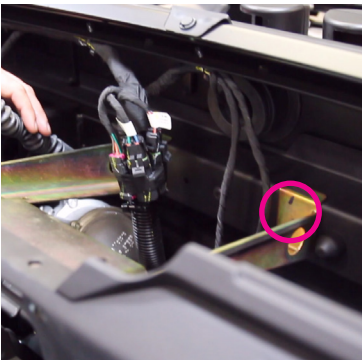
TOOLS NEEDED FOR INSTALLATION

- T25, T30 Torx Driver

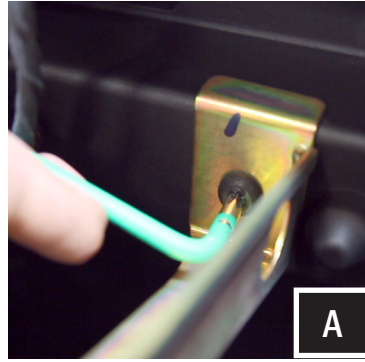


B-H2605 8005 Amplifier Harness

1. INPUT (FRONT) - CONNECT TO "TO: AMP INPUT" of B-H3076
2. INPUT (REAR) - CONNECT TO B-H1403 AUDIO "Y" SPLITTER
3. INPUT (SUB) - CONNECT TO B-H1403 AUDIO "Y" SPLITTER
4. OUTPUT (SUB) - CONNECT TO B-H2702 2-PIN SUB EXTENSION
5. OUTPUT (FRONT) - CONNECT TO "TO: AMP OUTPUT" OF B-H3076
6. OUTPUT (REAR) - CONNECT TO REAR SPEAKER AUDIO EXTENSION
7. EXT SWITCH - ROCK & RIDE ROCKER SWITCH
8. AMP TURN-ON - CONNECT TO ANTI-POP CIRCUIT [B-H2197]
9. POWER INPUT - CONNECT TO AMP WIRING KIT ASSEMBLY [A-H1Q]



A. Unscrew the two (2) torx screws connecting the dash bracket at the rear of the dash cavity. Remove the under dash bracket.
NOTE: IT WILL NOT BE RE-INSTALLED.



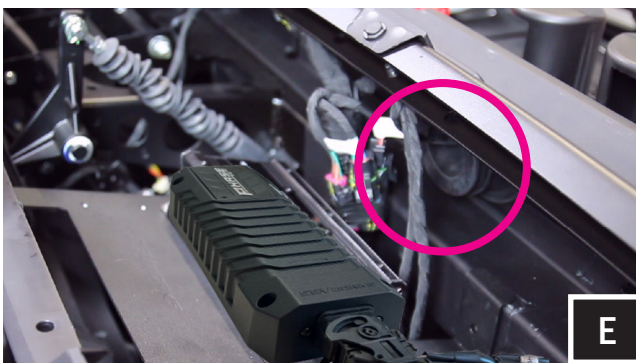
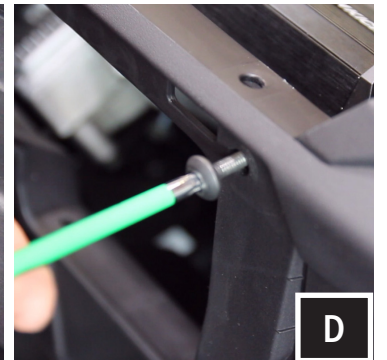
B. Move the factory wiring to the rear of the dash cavity. Place the RG4 Amp mounting plate in the former location of the factory bracket.



C. With the RG4 Amp mounting plate set in place, check for any pinched wiring.



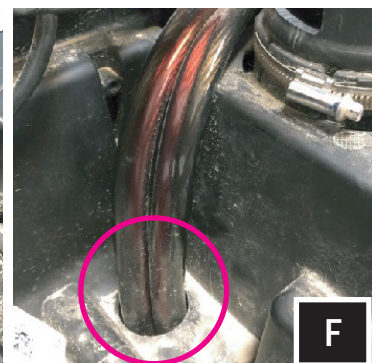
D. Fasten down the plate with the factory hardware.



E. Run amp power, and speaker extension cables out through the grommet that is fixed into the firewall (circled in pink). Be sure to run the correct end of the cable out through the firewall to avoid the inability to connect to the speakers.



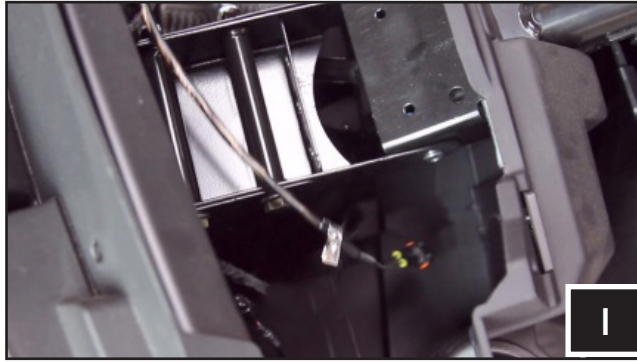
F. With the cables now through the firewall, route them down and into the vehicle cabin. **NOTE: A 1" hole will need to be drilled to run the cables down the front of the chassis.**



G. Feed power/ground cables down towards the center console until the wires are inside the vehicle.

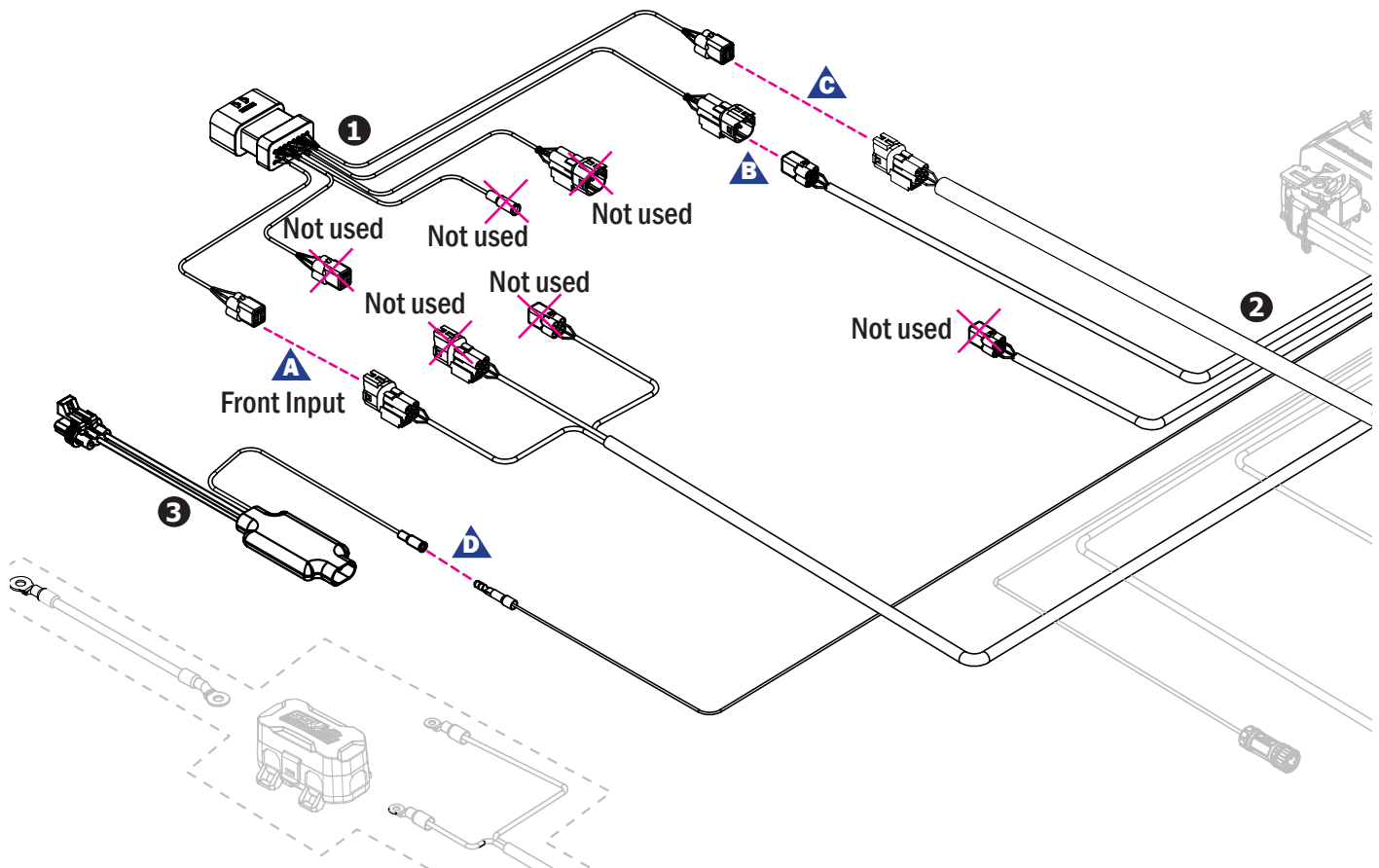


H. Follow the air ducts and factory wiring and feed cables towards the battery compartment. Use the provided zip ties to secure the cables to the factory wiring, away from the drive shaft.



I. Route the (B-H2935) Audio/RGB front harness towards the driver and passenger side of the dash. Secure the harness with zip ties away from any moving parts and sharp edges.

RZR PRO XP RIDE COMMAND WIRING CONNECTION



	Description	Part #
①	RG4 Ride Command Harness	B-H3076
②	800.5 Amplifier 32-Pin Universal Harness	B-H2605
③	Ranger Amplifier Anti-POP Circuit	B-H2917

Detail	Description
A	Connect B-H3076 Front [TO AMP INPUT] to B-H2605 8005 AMP Harness [INPUT (FRONT)]
B	Connect B-H3076 Front [TO AMP OUTPUT] to B-H2605 8005 AMP Harness [OUTPUT (FRONT)]
C	Connect B-H3076 [SPEAKER OUT FR2] to B-H2935 Front Passenger/Driver Speaker "Y" Harness
D	Connect B-H2917 Anti-Pop Circuit Amp Turn-On to B-H2605 800.5 32-Pin Harness Amp Turn-On

RGB LED CONTROLLER COMMAND CENTER PARTS LIST

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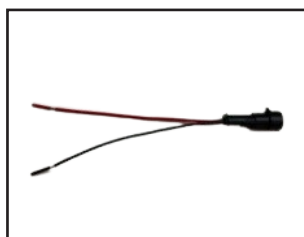
PARTS LIST IMAGES



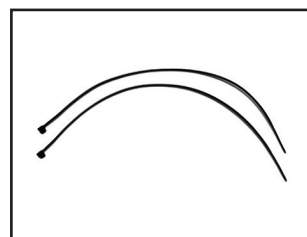
1. LIT-CC, 3 Output, RGB LED Controller Command Center



2. LIT-CC RGB LED Controller Rocker Switch



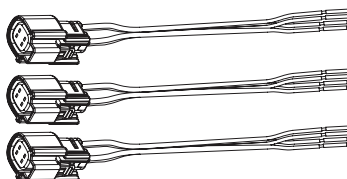
3. Power Pigtail



4. Zip Ties (x2)

NOTE:

Included Universal Controller Pigtails are NOT used in this installation.



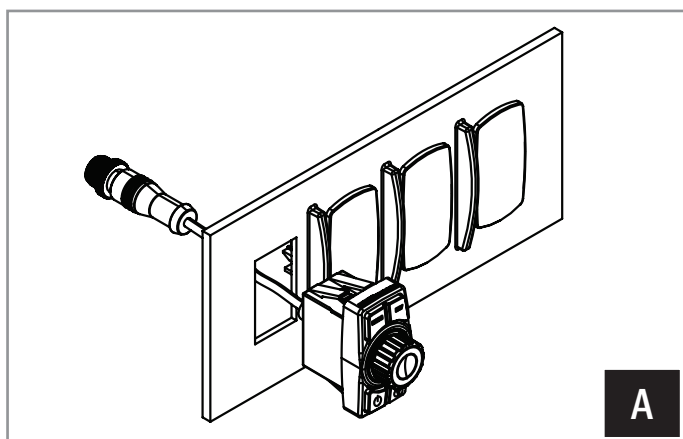
RGB LED CONTROLLER COMMAND CENTER INSTALLATION

TOOLS NEEDED FOR INSTALLATION

- Wire Cutter

- Wire Stripper

- Crimper



A

A. Install the LIT-CC RGB LED Controller Rocker Switch in an unoccupied rocker switch opening.

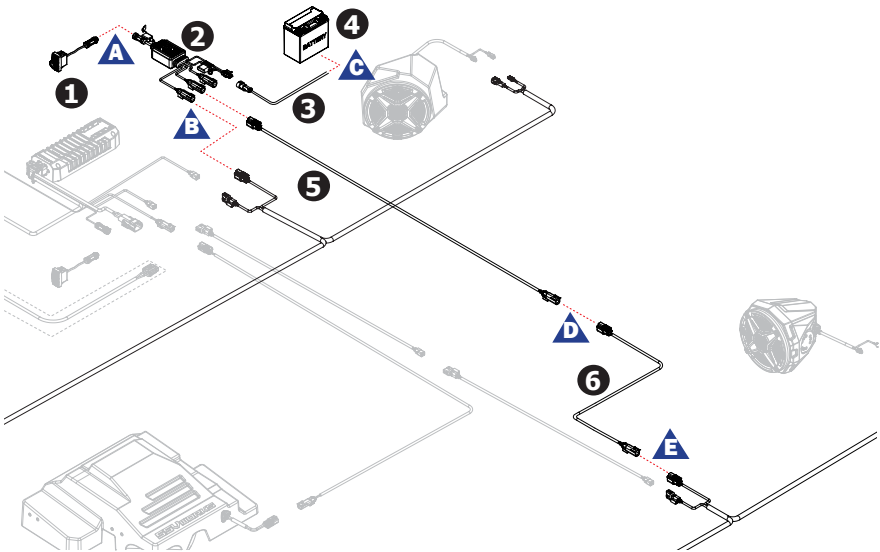


B

B. Mount the LIT-CC RGB LED Controller Command Center in the dash away from moving parts and secure with zip ties. Cut excess zip ties for a clean install.

NOTE: Refer to the 230-LIT-CC User Guide for detailed operation instructions.

RGB LED CONTROLLER COMMAND CENTER WIRING DIAGRAM



	Description	Part #
1	RGB LED Controller Rocker Switch for LIT-CC	B-H2367
2	LIT-CC RGB LED Controller Command Center	230-LIT-CC
3	LIT-CC Power Harness	
4	Battery	
5	RGB Extension, 8 ft.	B-H2933
6	RGB Extension, 2 ft.	B-H2934

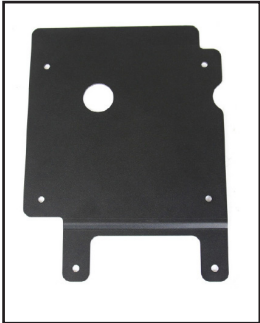
Detail	Description
A	Connect RGB LED Rocker Switch to LIT-CC
B	Connect Outputs to Front Speaker and Rear Extension Harnesses
C	Connect LIT-CC Power Harness to Battery or ACC
D	Connect RGB Extension B-H2933 to B-H2934 (for 4 door models)
E	Connect RGB Extension B-H2934 to RGB Rear Speaker Harness

SUBWOOFER ENCLOSURE PARTS LIST

PARTS LIST IMAGES



1. RG4-US10 Enclosures



2. Enclosure Bracket A



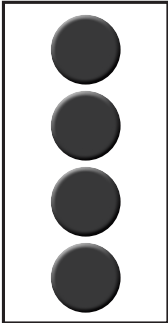
2. Enclosure Bracket B



4. M6 Flathead 4mm Hex Screws x4



5. M6 Allen Torx Screws x2



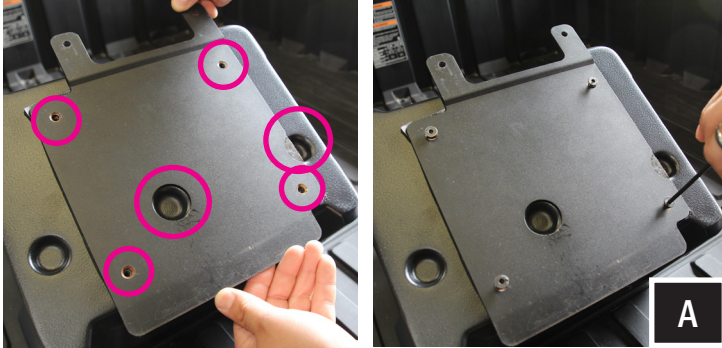
5. Foam Circles x4

NOTE: To avoid subwoofer damage, do not face the subwoofer down or rest the enclosure on the subwoofer when installing bracket to the bottom of the enclosure.

SUBWOOFER ENCLOSURE INSTALLATION

TOOLS NEEDED FOR INSTALLATION

- T-30 & T-40 Torx Driver - 4mm Allen Key - Panel Removal Tool - Drill - 13/64" Drill Bit



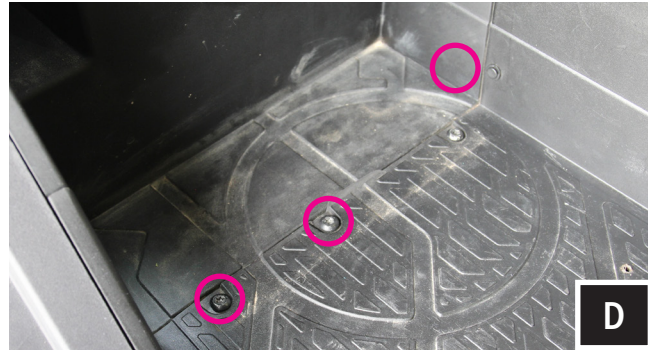
A. Align bracket A's holes with the dimples/recess' circled in pink on the bottom of the enclosure. Using four (4) flathead 4mm screws, mount the A bracket to the bottom of the enclosure. After the bracket is secure, cover the screw heads with the (4) foam circles.



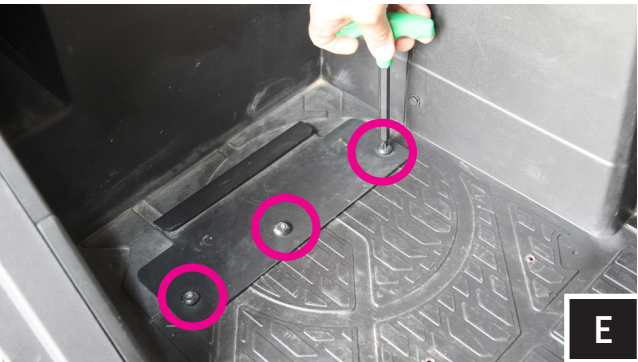
B. Flip up passenger seat and remove center tray to access battery. Disconnect the negative battery cable from the battery.



C. Using a panel removal tool, extract the (8) push pins to remove the center driveline center column cover.



D. Located on the floorboard to the right of the battery compartment, remove the (3) T40 torx screws circled in pink.



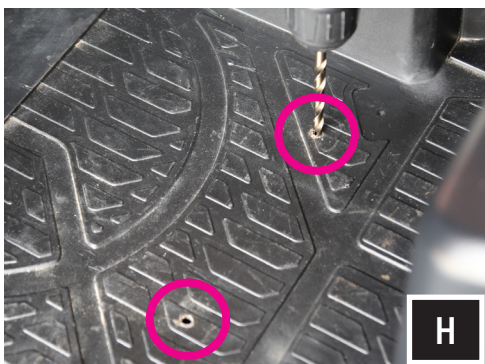
E. Place SSV bracket B over the factory screw holes and refasten down with the (3) factory T40 torx screws removed in the previous step.



F. With the bracket secured to the floorboard, place the enclosure in front of the floorboard bracket. To allow proper engagement, tilt the enclosure back slightly and slide its bottom bracket into the floorboard bracket catch.



G. With the brackets seated into one another, use the front mounting tabs as a template to mark with a scribe or punch the needed placement to drill pilot holes.



H. Once marked, remove the enclosure. Using a 13/64" drill bit, drill pilot holes at your marked points. Be sure to penetrate through the chassis lying beneath the floorboard.

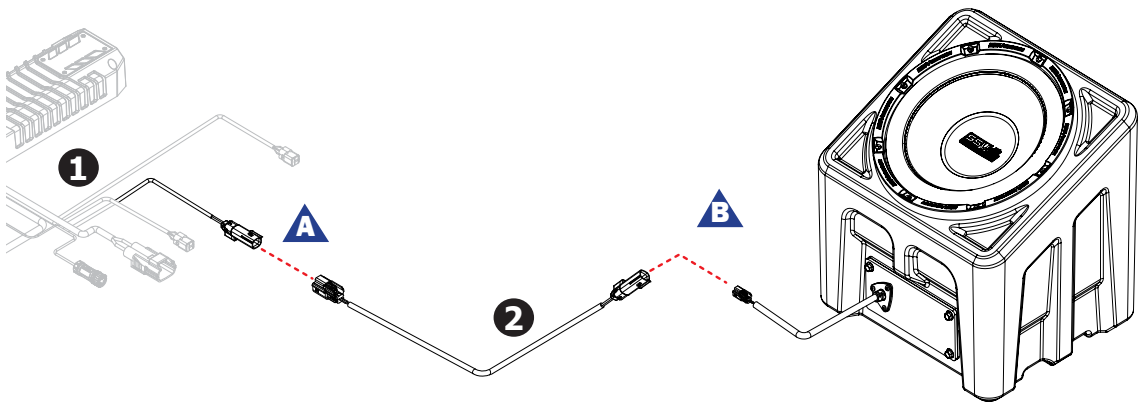


I. Re-install the sub-enclosure. Secure the front mounting tabs with the kit provide T30 torx self-tapping screws.



J. Connect sub to harness B-H2702.

SUBWOOFER WIRING DIAGRAM



	Description	Part #
1	800.5 Amplifier 32-Pin Universal Harness	B-H2605
2	2-Pin Audio, Sub Extension Harness	B-H2702

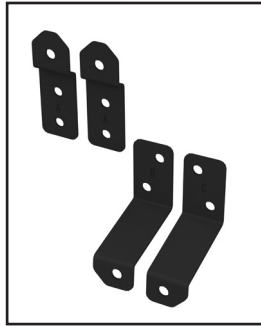
Detail	Description
A	Connect Subwoofer Output from B-H2605 to B-H2702
B	Connect B-H2702 to the Subwoofer

FRONT RGB LED KICK PODS PARTS LIST

PARTS LIST IMAGES



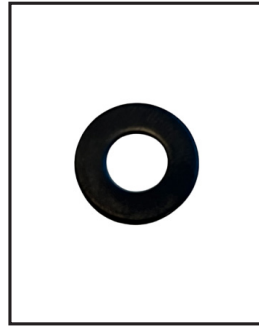
1. RG4-F65V Enclosures
(1 pair)



2. Enclosure Brackets x 4



3. M6 x 16mm Screws
x 10



4. M6 Washers x 8 (small)



4. M6 Washers x 2 (large)

RGB LED FRONT KICK PODS ASSEMBLY

TOOLS NEEDED FOR INSTALLATION

- T-30 Torx Driver

- Panel Removal Tool

- Phillips Screwdriver



A. Using the supplied M6 screws and small washers, install the brackets to kick pods.



B. Remove factory T40 torx screws located from the front of the dash next to the cup holders.

12



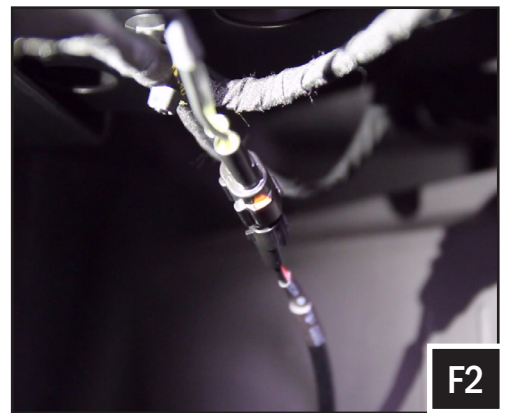
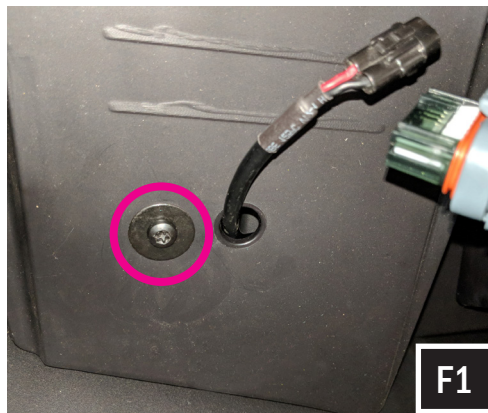
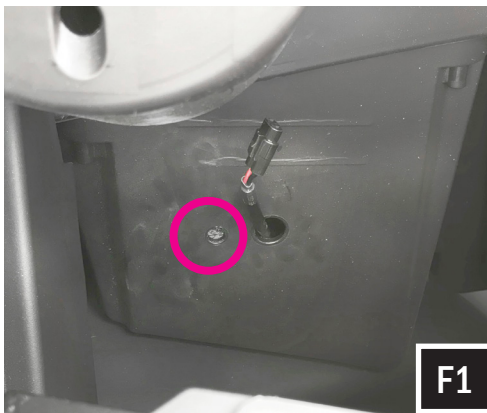
C. Remove factory T25 torx screws located underneath the dash.



D. Located on the inside top of the pocket you will have two holes, route speaker wire through the larger hole. The smaller hole will be used to mount the pod in Step P.

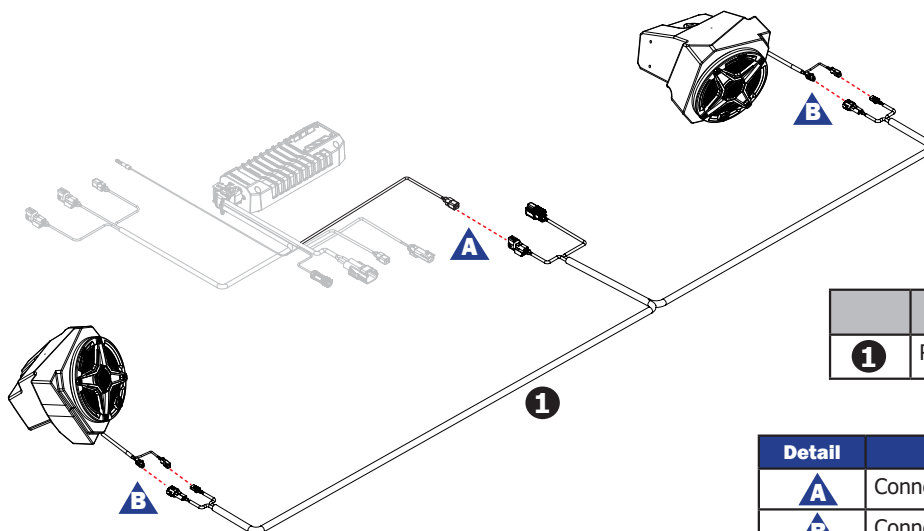


E. Place the speaker pod in location and resecure the factory screws through the pod brackets on the front and underneath the dash.



P. From the inside-top of the dash, secure the top mounting M6 screw and large washer to the pod through the smaller hole next to the routed speaker wire (figure F1). Then connect the B-H2935 Front Speaker "Y" harness to the speaker cable coming out of the speaker pods (figure F2).

RGB LED FRONT KICK PODS WIRING DIAGRAM



	Description	Part #
1	RGB Front Speaker Harness, 4 ft.	B-H2935

Detail	Description
A	Connect Front Output from B-H2605 to B-H1909
B	Connect Speaker Pods connectors to B-H2935

REAR RGB LED CAGE POD PARTS LIST

Placement of the speaker pods depends on what type of roll cage you have (factory or aftermarket) and your preference of where you want the pods to be installed. In these instructions, we have installed them on the outside vertical bars at the back of the roll cage.

PARTS LIST IMAGES



1. USL-C65V Enclosures (1 pair)



2. Ranger J Rail Clamp, Pair



3. RGB Rear Speaker Harness
(B-H2936)



4. M6 Set Screws X4



5. M6 Hex Head Bolts &
Washers x4



6. M6 Allen Socket Head Bolts
& Washers x4

REAR RGB LED CAGE POD INSTALLATION

TOOLS NEEDED FOR INSTALLATION

- 5mm Allen Key

- 8mm Open End Wrench



A. Find the best orientation for the speaker on your bar and screw in the Set Screws in the OPPOSITE holes of where the clamp will install into.



B. Loosely install the clamp base to the cage mount pod with the two (2) M6 Hex head bolts and washers, place the cage mount pod in the desired mounting location and tighten the hex head bolts using a 8mm wrench.



C. Position the clamp underneath the rear crossbar



D. Slide the top mount for the clamp into the top crossbar notch and line up screw holes.



E. Place screws in the clamp and use a 5mm hex driver to tighten the bracket



F. Plug the rear cage pod pigtail to the B-H2936 rear speaker harness.

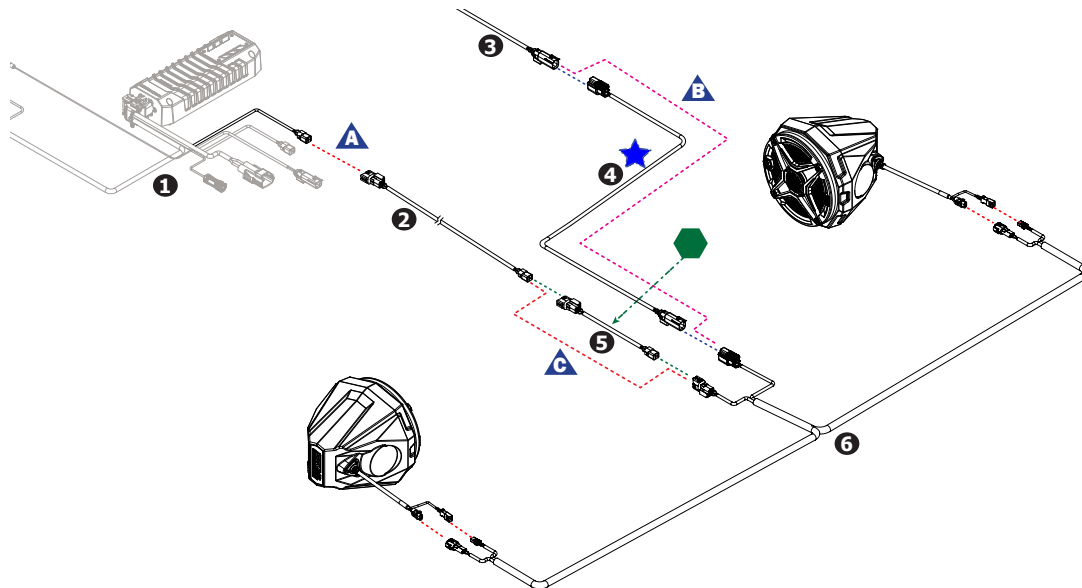


G. Take the B-H2936 rear speaker harness and plug into the B-H1913 & B-H1912 rear audio extension and RGB extension harnesses.



H. Route the rear speaker and RGB extension harnesses (B-H1913, B-H1912, B-H2934 & B-H2933) along the factory wires towards the amplifier and LIT-CC location.

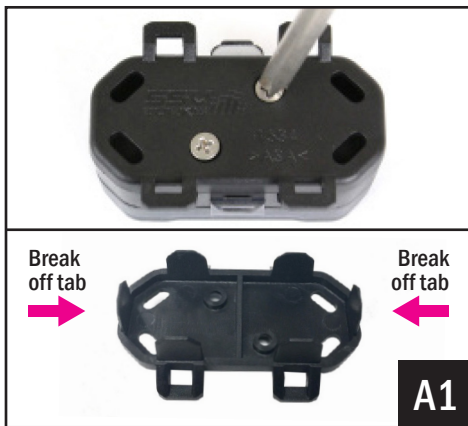
REAR RGB LED SPEAKER PODS WIRING DIAGRAM



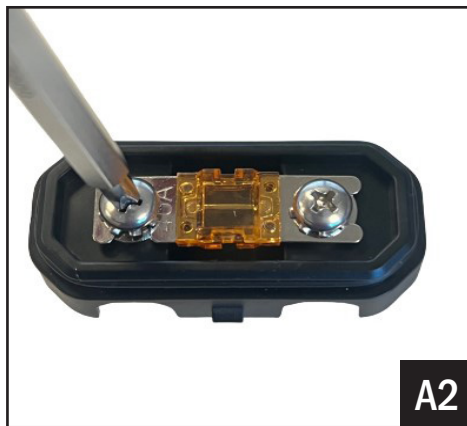
	Description	Part #
1	800.5 Amplifier 32-Pin Universal Harness	B-H2605
2	4-Pin Extension Harness, 8 ft.	B-H1913
3	RGB Extension, 8 ft.	B-H2933
4	RGB Extension, 2 ft. (for 4 door models)	B-H2934
5	4-Pin Extension Harness, 2 ft. (for 4 door models)	B-H1912
6	RGB Rear "Y" Speaker Harness, 7 ft.	B-H2936

Detail	Description
A	Connect B-H2605 8005 AMP Harness to B-H1913 4-Pin Ext. Harness, 8 ft.
B	Connect B-H2933 RGB Extension, 8 ft to B-H2936 RGB Rear "Y" Harness
★	Use B-H2934 RGB Extension, 2 ft. for 4 door models
C	Connect B-H1913 to B-H12936 Rear RGB "Y" Harness
●	Use B-H1912 4-Pin Audio Extension, 2 ft. for 4 door models
D	Connect B-H2936 RGB Rear "Y" Harness to the Left and Right Cage Pods

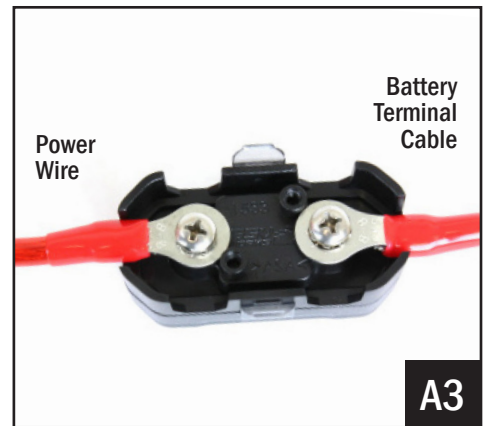
CONNECTING POWER & GROUND CABLE TO BATTERY



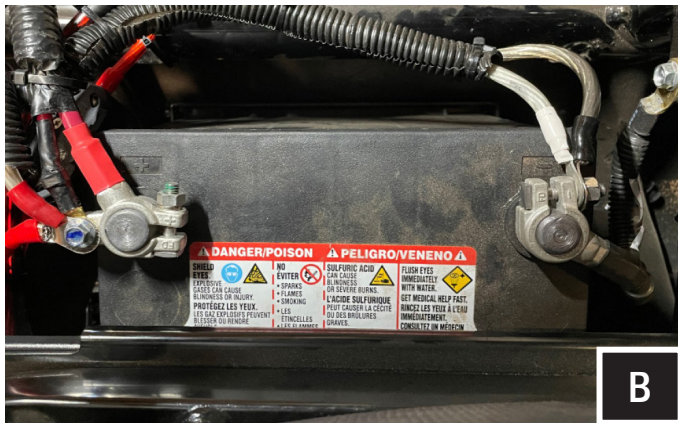
A1. Remove the bottom cover of the fuse holder by extracting the 2 screws. Break off the right and left side tabs on the bottom cover.



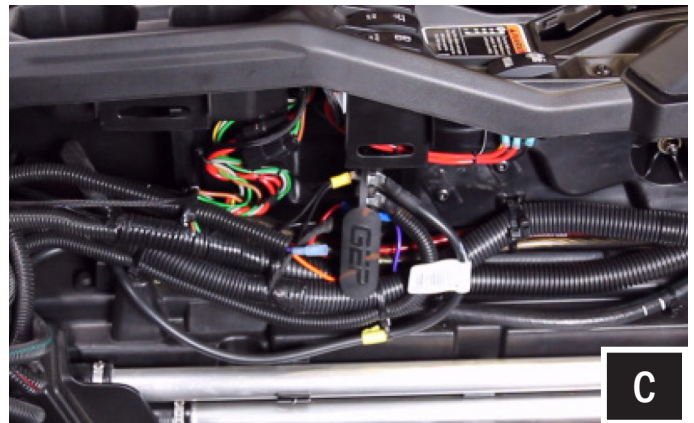
A2. Extract both fuse holder screws and fasten the fuse.



A3. Attach both the Power Wire and Battery Terminal Cable to the fuse holder. Reattach the bottom cover.

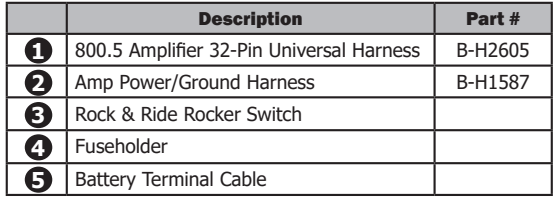


B. Connect the power and ground wires to the battery.



C. Zip tie all of the electrical cabling (factory and audio) along the center column away from the drive shaft.

AMP WIRING DIAGRAM



Detail	Description
	Connect B-H2605 (power/ground) to B-H1587
	Connect Rock & Ride rocker switch to "Ext. Switch"
	Install fuseholder between B-H1587 & battery terminal cable. Connect ground ring terminal to chassis ground.

**THIS CONCLUDES THE INSTALLATION PROCESS. REPLACE THE FACTORY PANELS AND SEATS.
QUESTIONS? PLEASE CONTACT SSV WORKS AT 818-991-1778 OR EMAIL SUPPORT@SSVWORKS.COM**

