

# SSV KIT - Light Mounting Kit

Part number (SKU) : 715003417

Product:	Side-by-side
Project no:	487801825_rev2
Instruction Sheet P/N:	487801825
Revision no:	2
Revision date:	January 2017
Item covered:	Light Mounting Kit

The following symbols may be used in this document:

## WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

**CAUTION:** Indicates a hazard situation which, if not avoided, could result in minor or moderate injury.

**NOTICE** Indicates an instruction which, if not followed, could severely damage vehicle components or other property.

## WARNING

- For safety reasons, this kit must be installed by an authorized BRP dealer.
- This kit is designed for specific applicable models only (authorized BRP dealers will confirm model(s)). It is not recommended for units other than the one (those) for which it was sold.
- If the installation of the kit requires a template, ensure that template is to scale..
- Should removal of a locking device (e.g. lock tabs, self-locking fasteners, etc.) be required when undergoing disassembly/assembly, always replace with a new one.
- Torque wrench tightening specifications must strictly be adhered to.

**NOTE:** USE TIGHTENING TORQUES IN THE FOLLOWING TABLE IF NOT OTHERWISE SPECIFIED.

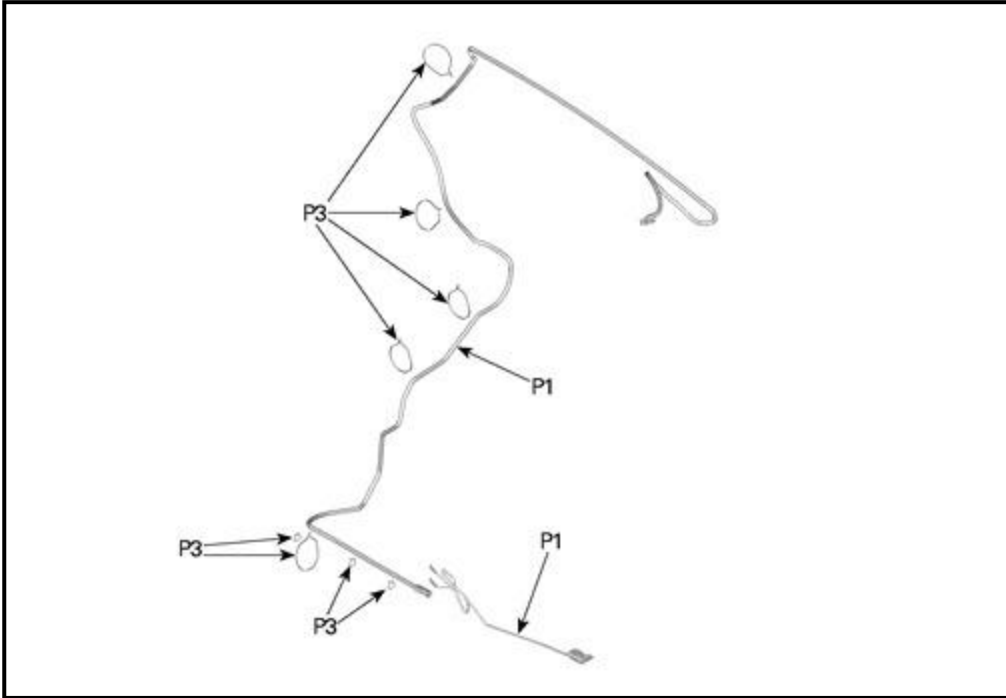
	GRADE			
	58	88	109	129
M4	1.8 ± 0.2 N•m (16 ± 2 lbf•in)	2.6 ± 0.2 N•m (25 ± 2 lbf•in)	3.8 ± 0.2 N•m (34 ± 2 lbf•in)	4.5 ± 0.5 N•m (40 ± 4 lbf•in)
M5	3.3 ± 0.2 N•m (29 ± 2 lbf•in)	5.0 ± 0.5 N•m (44 ± 4 lbf•in)	7.8 ± 0.7 N•m (69 ± 6 lbf•in)	9.0 ± 1.0 N•m (80 ± 9 lbf•in)
M6	7.5 ± 1.0 N•m (66 ± 9 lbf•in)	10.0 ± 2.0 N•m (89 ± 18 lbf•in)	12.8 ± 2.2 N•m (113 ± 19 lbf•in)	16.0 ± 2.0 N•m (142 ± 18 lbf•in)
M8	15.3 ± 1.7 N•m (135 ± 15 lbf•in)	24.5 ± 3.5 N•m (18 ± 3 lbf•ft)	31.5 ± 3.5 N•m (23 ± 3 lbf•ft)	40.0 ± 5.0 N•m (30 ± 4 lbf•ft)
M10	29 ± 3 N•m (21 ± 2 lbf•ft)	48 ± 6 N•m (35 ± 4 lbf•ft)	61 ± 9 N•m (45 ± 7 lbf•ft)	73 ± 7 N•m (54 ± 5 lbf•ft)
M12	52 ± 6 N•m (38 ± 4 lbf•ft)	85 ± 10 N•m (63 ± 7 lbf•ft)	105 ± 15 N•m (77 ± 11 lbf•ft)	128 ± 17 N•m (94 ± 13 lbf•ft)
M14	85 ± 10 N•m (63 ± 7 lbf•ft)	135 ± 15 N•m (100 ± 11 lbf•ft)	170 ± 20 N•m (125 ± 15 lbf•ft)	200 ± 25 N•m (148 ± 18 lbf•ft)
M16	120 ± 14 N•m (93 ± 10 lbf•ft)	205 ± 25 N•m (151 ± 18 lbf•ft)	255 ± 30 N•m (188 ± 22 lbf•ft)	305 ± 35 N•m (225 ± 26 lbf•ft)
M18	170 ± 20 N•m (125 ± 15 lbf•ft)	273 ± 32 N•m (201 ± 24 lbf•ft)	330 ± 25 N•m (243 ± 18 lbf•ft)	413 ± 47 N•m (305 ± 35 lbf•ft)

**NOTE:** The illustrations in this document show typical construction of the different assemblies and may not reproduce the full detail or exact shape of the parts; however, they represent parts that

have the same or similar function.

Installation time is approximately 1.0 hours.

## ITEMS IN KIT



Item	Description	Part number	QUANTITY
P1	LED Light Harness First Generation	Not Available Separately	1
	LED Light Harness Extension	Not Available Separately	1
P2	Locking Tie 368 mm	293750008	15
P3	Grommet	414036300	1

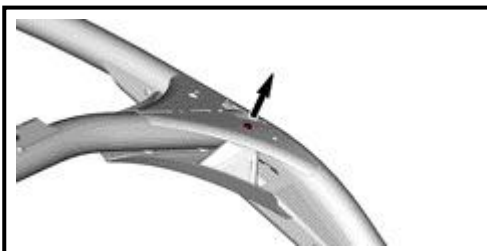
See BRP service parts catalog for part numbers and service kits.

## INSTRUCTIONS

### Vehicle Preparation

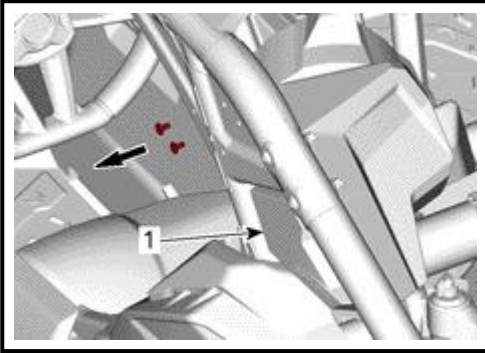
**NOTE:** This kit may be install on roof or on front accessory bumper. On roof, cable may be routed on both sides of top cage tube (left side is shown). Before front installation, locate mounting holes on bumper and check if lights can be install.

1. Remove roof.
2. Remove left decal support screw.



**Vehicle equipped with speaker**

4. Remove screws retaining left speaker on side frame.

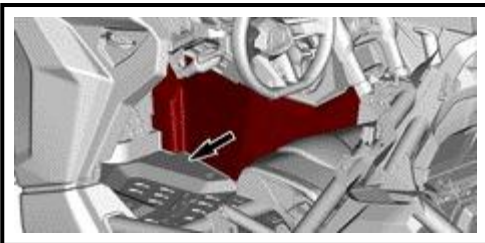


1. Rear LH speaker

**All models**

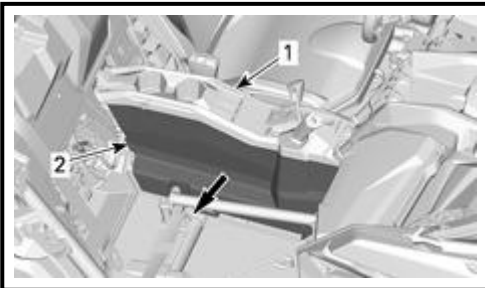
5. Gently lower speaker on frame.

6. Remove LH console lateral panel.



7. Remove passenger seat (see shop manual procedures).

8. Remove RH dashboard lateral panel.



9. Drill 14.3 mm (9/16 in) hole in roof as shown in image below.



TYPICAL - FRONT LEFT CORNER OF ROOF

Insert grommet [P3] in roof hole previously drilled.

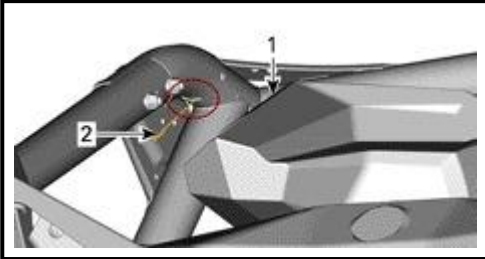
**Wire Routing for Roof Installation**

1. Insert fish wire in LH front frame as shown below.



1. Fish wire

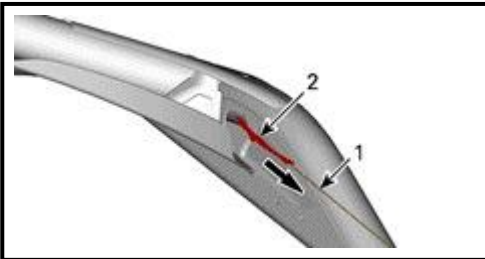
2. Push fish wire out from the LH rear frame near speaker position.



1. Rear LH speaker  
2. Fish wire

3. Attach harness on fish wire.

4. Pull fish wire from the front of the vehicle to bring the harness in the frame.

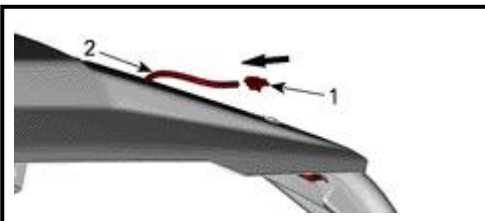


1. Fish wire  
2. Light harness [P1]

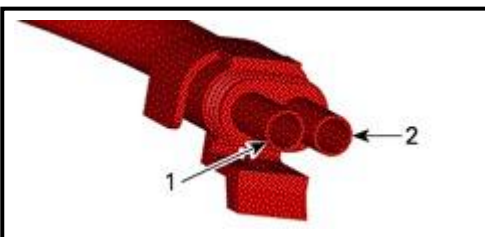
5. Install roof.

6. Pass harness through grommet [P3].

7. Install connector onto harness.



1. Connector  
2. Light harness [P1]



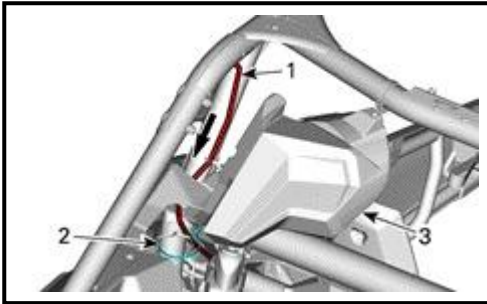
1. Connector pin B  
2. Connector pin A

8. Install connector terminals into connector.

9. Routing harness [P1].

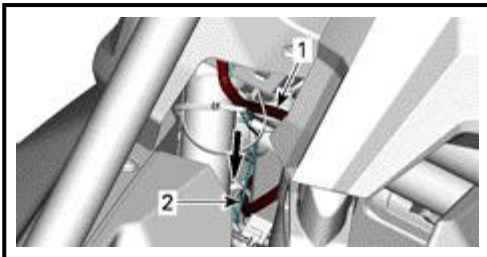
9.1. Route harness [P1] along frame. Secure with locking ties [P3].

**NOTE:** Respect the plugging order between the black wire PIN A and the white wire PIN B.



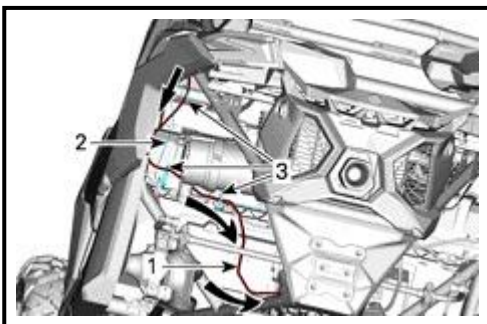
1. Light harness [P1]
2. Locking tie [P2]

9.2. Route harness [P1] along the speaker wire downward as shown in image below.



1. Light harness [P1]
2. Speaker wire

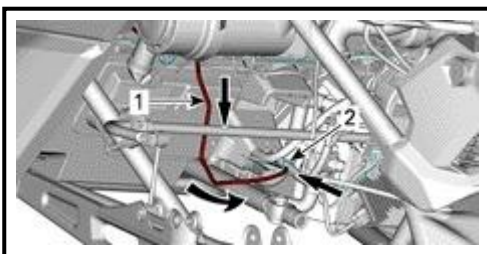
9.3. Route harness [P1] along speaker wire. Secure harness with locking ties [P2] with other wire.



REAR LEFT VIEW

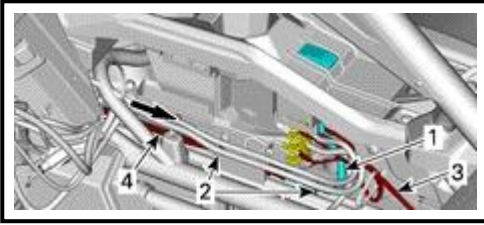
1. Light harness [P1]
2. Speaker wire
3. Locking tie [P2]

9.4. Run harness [P1] under vehicle. Secure with locking tie [P2].



1. Light harness [P1]
2. Speaker wire
3. Locking tie [P2]

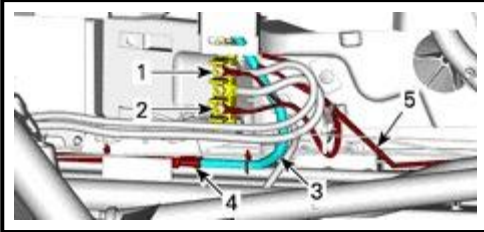
9.5. Run wire to switch connector



1. Switch harness
2. Locking tie [P2]
3. LED light harness extension [P1]
4. LED light harness first generation [P1]

9.6 Connect LED light harness [P1] with switch connector

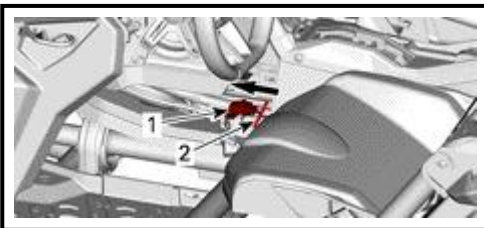
9.7. Connect connectors of LED light harness extension [P1] on terminal.



CONNECTIONS FOR KIT 715002884

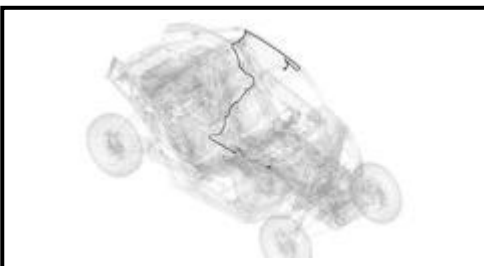
1. BLACK wire (negative post)
2. RED/BROWN wire (accessory positive post)
3. Switch Harness
4. LED light harness first generation [P1]
5. LED light harness extension [P1]

9.8. The fuse must be brought as far front as possible, so it can be accessed without removing the passenger seat. Secure with locking tie [P2].



TYPICAL FRONT BUMPER INSTALLATION

1. Fuse
2. Locking Tie [P2]



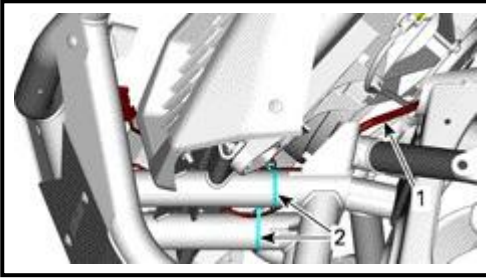
HARNES ROUTING

## Wire Routing For Front Bumper Installation

1. Route harness [P1] from front bumper to the terminal and secure with locking ties [P2] along the way onto frame and main harness.

1.1 Secure cables to front bumper using two (2) locking tie [P2].

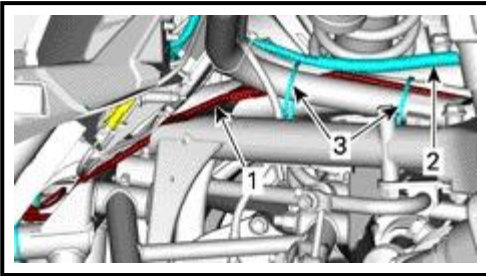
**NOTE:** Loop any excess cable of the Harness [P1] and secure using locking ties.



TYPICAL

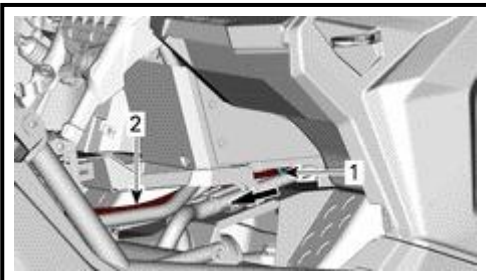
1. Harness [P1]
2. Locking tie [P2]

1.2 Route harness [P1] along vehicle principal harness and secure it with locking ties [P2]



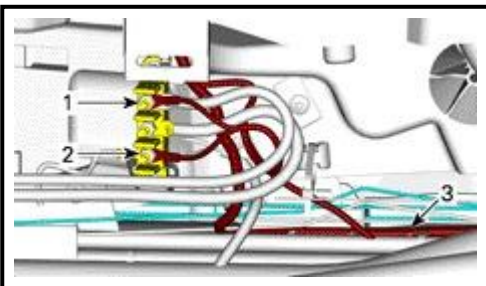
1. Harness [P1]
2. Vehicle principal harness
3. Locking tie [P2]

1.3 Route along radiator tube. Secure with locking tie [P2].

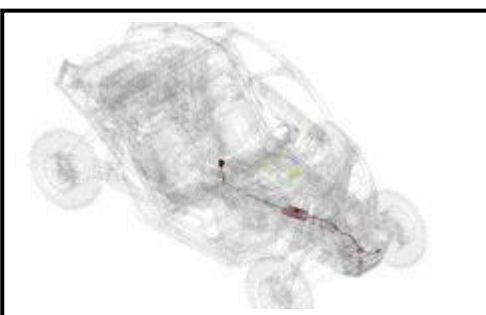


1. Locking tie [P2]
2. Harness [P1]

1.4 Run wire to the connectors.



1. BLACK wire (negative post)
2. RED/BROWN wire (accessory positive post)
3. Light harness [P1]



## Finishing Installation

1. Install parts previously removed.
  2. Install roof light support
  3. Connect harness [P1] with roof light.
  4. Secure harness on roof light support with locking tie [P2].
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