



**General Applicability:**

2016-19 Honda HR-V

**Issues**

**Kit Contents:**

Item#	Component Description
1	Stay Bar (Strut)(right)
2	Stay Bar (Strut)(left)
3	Upper Ball Mount washers (vehicle side)
4	Control Box
5	Front Switch (Factory Style)
6	Rear Switch (Factory Style)
7	Rear Buzzer
8	BUS Box w/Harness
9	Main Harness
10	Power Supply Harness
11	Rear Button / Buzzer Harness
12	Lock Control Harness
13	Hardware bag (Nuts and Bolts)






**Installation Kit Contents:**

Item#	Component Description
1	Warning Labels
	16mm drill bit
2	Wire Ties

**Recommended Tools:**

<b>Safety Tools</b>	
Seat/ Floor Covers	Blankets
<b>Installation Tools</b>	
10mm Socket / Ratchet	Side Cutters
12mm Socket / Ratchet	Wire fish
NRT-Nylon Removal Tool	Hook Tool
Pick	
<b>Special Tools</b>	

**Legend**

	<b>STOP:</b> Damage to the vehicle may occur. Do not proceed until process has been complied with.
	<b>OPERATOR SAFETY:</b> Use caution to avoid risk of injury.
	<b>CRITICAL PROCESS:</b> Proceed with caution to ensure a quality installation. These points will be audited on a completed vehicle installation.
	<b>TOOLS &amp; EQUIPMENT:</b> This calls out the specific tools and equipment required for this process.
	<b>REVISION MARK:</b> This mark highlights a change in installation with respect to previous issue.

**PRECAUTION / INSTALLATION NOTES:**

- After **Safety** mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation.
- When prying panels, use masking tape on all surfaces that a tool may come in contact with to prevent marring.
- After a wire tie is fully fastened, cleanly cut excess wire tie length with a pair of wire cutters.
- The wiring information is on an “as is” basis without any representation or warranty. It is the installer’s responsibility to verify any circuit before interfacing with it using a digital multi-meter.
- Manufacturer’s service documents can be used for any vehicle disassembly that may be depicted differently from what the instruction states.
- To ensure safety and normal usage of the liftgate, please let a professional complete the install. Do not dismantle the liftgate product, may cause damage to vehicle.
- Start engine before installation; check dashboard display function, check button operation, and check for scratches or damage to exterior and interior. Report any issues immediately.
- Check whether the Tailgate can normally open and close. Check that interior lights are working with tailgate operation.
- Do not change any wires with engine ON.

## Installation Update:

When installing the ADVLFTHR V kit into some low trim level 2020 Honda HRV models, the data communication wires (Can-H / Can-L) need to be relocated for 3x Unlock to function properly.

Remove the data communication wires (PURPLE & White) from the Radio T-Harness and make a wire to wire connection to the new location listed below. This can be found at the vehicle's Ignition Switch.

### Liftgate Wires

- Can-H: Purple
- Can-L: White

### Vehicle Wires

- Can-H: Gray, Pin 4
- Can-L: White, Pin 3



**A. Pre-Installation Precaution and Preparation**

1. 2016-19 Honda HR-V (Push to start or Key).  
(Figure A1a-b)
2. Familiarize yourself with the installation instructions. Inspect kit components to verify everything is present, there is no damage, and to familiarize yourself with the parts.
3. Use Seat and Floor protectors to avoid damage to vehicle surfaces.



**Disconnecting the battery prior to any ground or harness removal/ tapping to prevent possible vehicle damage is recommended. The battery may be temporarily reconnected and disconnected throughout the installation process to perform various tasks. However, prior to doing so all connectors and harnesses must be reassembled and reconnected. Once tasks are completed disconnect battery until installation is complete and Electric Tailgate system is ready to be tested. After testing, the vehicles interior may be re-assembled. Disconnecting the battery may cause certain vehicle settings to be lost. Manufacturer's recommendations for the battery removal should be followed.**

**B. Disassemble Vehicle Trim**


1. Detach upper tailgate cover by using a Nylon Removal Tool /NRT and prying along upper edge. (Figure B1a-b) 
2. By hand pull out on trim to release fasteners. (Figure B2a-b)

Figure A1a



Figure A1b



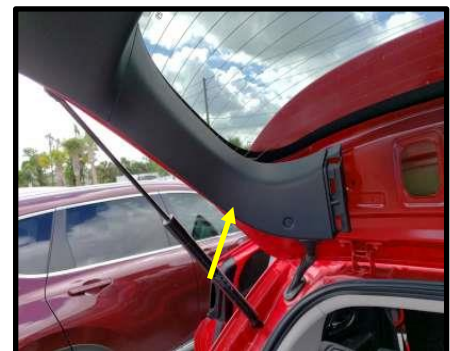
Figure B1a




Figure B1b



Figure B2a



3. Using an NRT and hand, remove the large liftgate trim piece. (Figure B3) 

4. By hand, reach behind the handle insert on the Liftgate. Press on the upper and lower sides to push out the handle. (Figure B4a-b)

5. Pry rubber harness gasket away from liftgate and vehicle panel. (Figure B5)

Figure B2b



Figure B3



Figure B4a



Figure B4b



Figure B5





6. Remove rear driver side rubber gasket. Remove only enough to loosen upper and lower trim panels. (Figure B6)

Figure B6



7. By hand, loosen upper and lower side trim panels. (Figure B7)

Figure B7



8. By hand, remove lower door sill panel. (Figure B8a-b)

Figure B8a



Figure B8b




9. By hand, remove driver door sill panel. Be careful around hood release when pulling out on panel. (Figure B9a-b)

Figure B9a



10. Remove the left IP trim panel, using an NRT and by hand. Then pull out on lower trim panel. You may disconnect harnesses to allow for more working room, but not necessary.

(Figure 10a-b) 


11. Using an NRT, remove Radio and vent surround. (Figure B11a-b) 

Figure B9b



Figure B10a



Figure B10b



Figure B11a

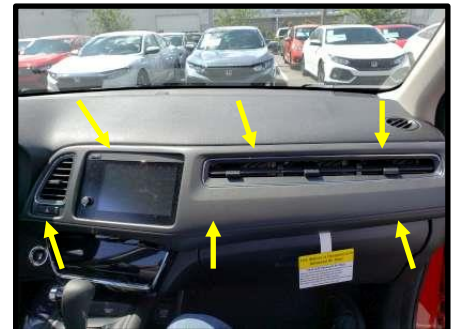


Figure B11b




12. Using an NRT, pry Push to Start button trim panel out, do not remove. Then pull-out on air conditioning trim panel. (Figure B12a-b) 

Figure B12a

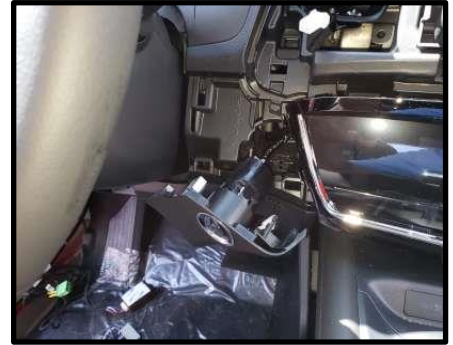


Figure B12b



Figure B13a




Figure B13b



Figure B13c




13. **NOTE: To perform this process the installer must have a second person to hold the tailgate up or jack stand to hold tailgate in place.** Using a hook tool pull out on retaining clips of the rear tailgate air struts. Do not remove clip completely, by wedging hook tool between clip and strut should allow removal of the strut.

(Figure B13a-c) 



### C. Electric Strut Bar Installation

- Using a 12mm socket/ratchet, remove the ball mount from the vehicle panel. Re-install the ball mount with the additional washer supplied.

(Figure C1) 

- Install new electric struts into place making sure that the strut marked **LEFT** is on the **Driver** side. Push upper and lower strut sockets onto strut ball with harness up and facing the liftgate.



Continue installing **Passengers/ Right** side strut and ball mount washer. (Figure C2a-c)



- Mark and drill 16mm hole approximately 3" behind upper mount. Check clearance behind drill area for any obstructions **CAUTION: check drill bit supplied for size and depth.**



(Figure C3) 

Figure C1



Figure C2a



Figure C2b



Figure C2c



Figure C3





4. Route harness through outer wall and plug bushing into hole. Continue routing cable to central part of rear liftgate. Drill and route opposite side strut cable in the same manner. (Figure C4a-c)

Figure C4a



Figure C4b



Figure C4c



**D. Control Box Location**

1. Using a 10mm socket/ratchet, remove the counter weight bracket from the liftgate. Align the Control Box/bracket with the 3 bolts of the counter weight and reinstall to liftgate. Leave the inside bolt loose, will be used for the grounding cable. (Figure D1a-c)

Figure D1a



Figure D1b



**E. Rear Cable Routing**

1. Locate Tailgate button connector, disconnect the connector and insert the Key-T-harness 3140122001016 (possible 2 different cables) which ever T-harness matches the correct connector. Reconnect factory connector into T-harness. Then connect the Key-T-Harness to the Lock-T-harness 3040122001187 and route down to the liftgate locking mechanism (Figure E1a-d)

Figure D1c



Figure E1a

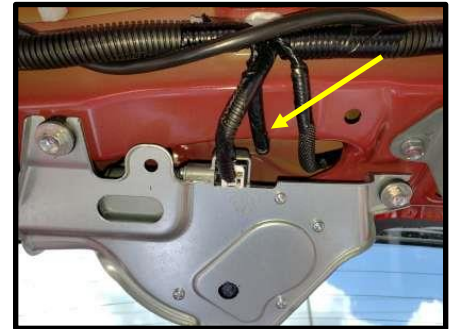


Figure E1b



Figure E1c

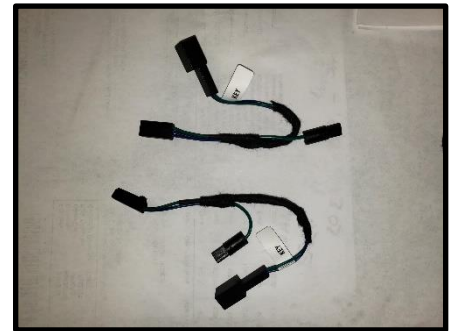


Figure E1d



2. Locate Tailgate lock connectors (there are 2).  
 Disconnect the connectors and insert Lock T harnesses of 3040122001187. Connect the factory connectors into the T-harnesses.  
 Continue routing cable towards Control Box.  
 (Figure E2a-c)

Figure E2a



Figure E2b



Figure E2c

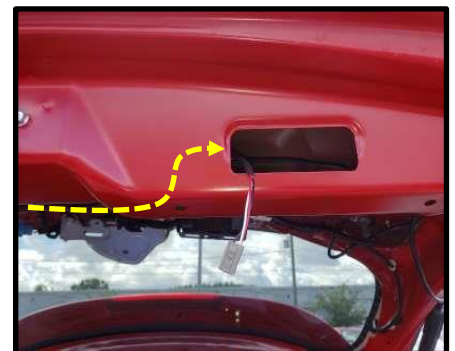


3. Mount buzzer (3190122001001) and switch harness (3140122001016) to rear tailgate in location that will not interfere with tailgate trim panel. This cable also routes into rear switch (PBB2807030000). Install switch and cable.  
 Continue routing cable to control box.  
 (Figure E3a-c)

Figure E3a



Figure E3b





4. Route the Main harness 3120122001043 from the rear passenger door rearward, between the rear trim panel to the liftgate opening. Continue routing the harness up to the harness gasket. (Figure E4a-c)

Figure E3c



Figure E4a



Figure E4b



Figure E4c



5. Route the main harness through the rubber gasket. Allow enough harness to extend towards rear of vehicle to reach Control box. **NOTE: use a wire puller to pull harness through gasket. Protect harness connectors by taping over them so they pass through easier.**

Figure E5



(Figure E5)



6. Continue routing main harness into liftgate.  
 Once inside liftgate, route harness following factory harness to rear of liftgate and Control box securing harness with supplied wire ties. Using an 10mm socket install ground terminal of the main harness to the bolt shown in figure.


(Figure E6a-b) 

Figure E6a

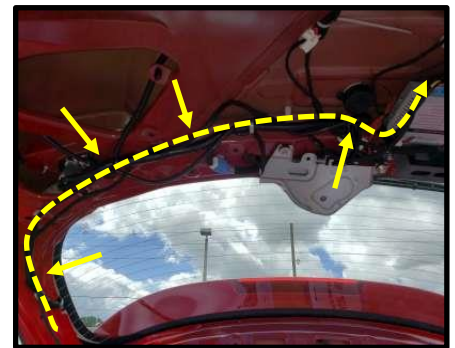
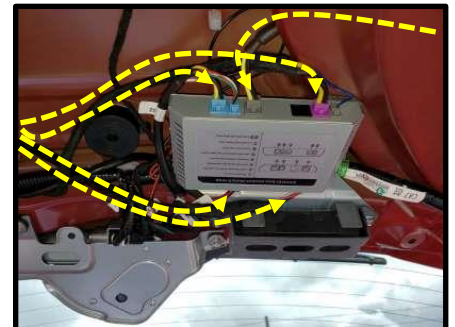


Figure E6b



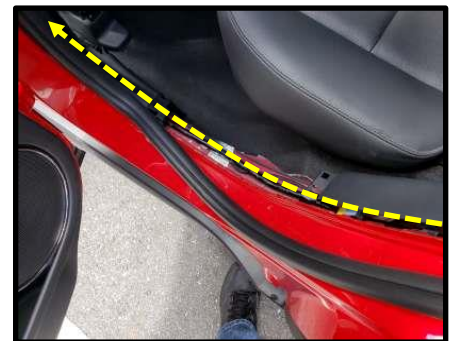
7. All rear harnesses should be routed to the control box. Make all connection except for main power. (Figure E7)

Figure E7



8. Going back to rear passenger door, tuck harness alongside lower trim panel and across sill area towards front of vehicle.  
 (Figure E8)

Figure E8



9. Continue routing cable forward tucked under lower B-pillar panel and into driver side sill area. Continue routing harness into front well area.  
 (Figure E9a-b)

Figure E9a



**F. Front Cable Routing**

1. Locate Main power supply connector at lower left of fuse box. (White and Pink wires/ White connector). Disconnect harness and plug it into Power T-harness. Connect T-harness connector into original position. **NOTE: Some trim levels and Key start, the Power wire may be in the wrong position of the harness. Installer should cut the T-Harness and wire directly to the factory wiring.** (Figure F1a-c)



2. Locate blank button on IP trim panel and remove by pushing out from backside of panel. Install new liftgate button (PBB2807100000) into vacant spot. Connect Blue connector of the CAN BUS Module harness to the liftgate button.


(Figure F2a-c) 

Figure E9b



Figure F1a



Figure F1b




Figure F1c



Figure F2a



3. With the air conditioner control panel pulled, disconnect the main harness. Connect T-harness into the receiving connector and to the air conditioner panel onnector. Route purple/white cable over to main harness behind lower trim panel and plug into CAN BUS connector. Secure cable with wire ties.

(Figure F3a-c) 

4. Connect ground connector of the main harness to the lower bolt of the hood release bracket. (Figure F4a-b)

Figure F2b



Figure F3a



Figure F3b

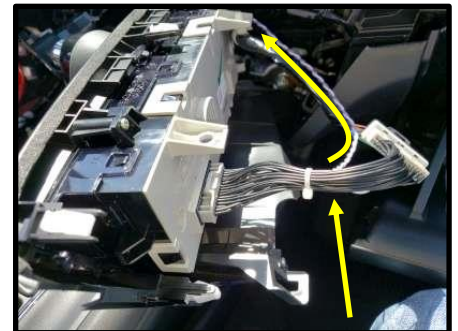


Figure F3c



Figure F4a

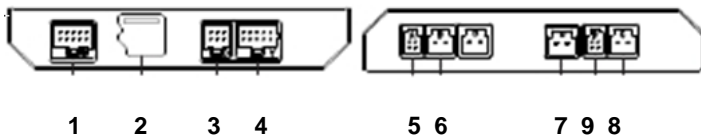




5. Mount CAN BUS Module to side wall of the driver well. (Figure F5)

**G. Control Box Connections**

1. Make sure all harnesses are connected per diagram. (Figure G1)



- 1.Tailgate Button/Lock harness
- 3.Button/Buzzer Harness
- 5.Main Harness
- 6.Main Harness
- 7.Passenger Stay Bar Harness
- 8.Driver Stay Bar Harness
- 9.Driver stay Bar Harness

Figure F4b



Figure F5



Figure G1





2. Use wire ties to clean up all routing making sure cables do not rattle or interfere with any other vehicle parts or operation.

3. Once main power is plugged in; the buzzer



will start beeping. **IMPORTANT: Manually**



**close the tailgate door to initialize the Power Lift Gate System. Function test the System to verify proper operation as follows.**

#### H. System Testing

1. With tailgate in the closed position, push the front button to open and close the liftgate.

2. Open tailgate using rear outer factory button.

3. Close tailgate using rear inner button.



4. **Vehicles with Push Start, with Keyless**



**Remote, press the UNLOCK button 3x (Slow) to open or close liftgate. Trim levels with Key start, press the unlock 4X (slow) to open and close liftgate.**

5. Check safety Intelligent anti-pinch. Close liftgate using button, put obstacle in path of closing door. Door will automatically stop and reverse position.

## I. System Adjustments

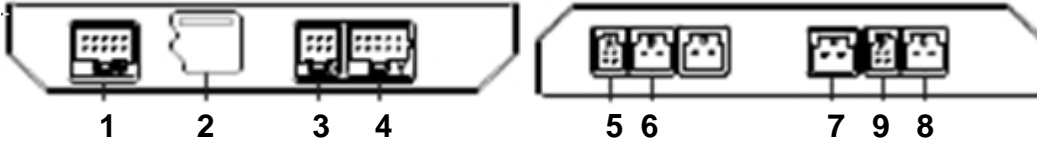
- 1. Height Adjustment:** Manually adjust tailgate to preferred height. Press and hold inside **TAILGATE BUTTON** until system beeps 2 times, then release. Cycle system to verify height adjustment.
- 2. Speed Adjustment:** Press and hold inside **TAILGATE BUTTON** until system beeps 5 times, then release 10 quick beeps= fast, 1 long beep=slow (default)
3. Video of adjustments available on YouTube @ <https://www.youtube.com/watch?v=HZY5rlysk4Y>

## J. Reassemble Trim and Complete Installation

1. Re-install rear tailgate trim panel.
2. Re-install all other trim panels previously removed.
3. Check all previously disconnected factory connectors and accessories to ensure they are all connected and operational.

**For Customer or Technical support please call VOXX Support:  
1-800-645-4994  
9 AM – 6 PM (EST -Eastern  
Monday - Friday**

**HARNESS CONNECTIONS:**



**POWER WIRE**

- A. Connect to Control box port. -5
- B. Connect to Control box port. -6
- C. Connect to BUS box wire -D
- D. Connect to Power supply unit -B
- E. Ground



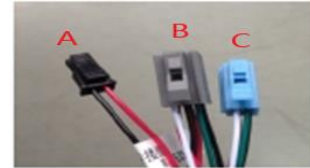
**POWER SUPPLY UNIT**

- A1-A2. Power out
- A. Ground
- B. Connector joint power wire -A



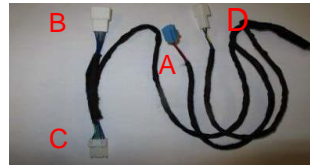
**REAR BUTTON WIRE**

- A. Buzzer -A
- B. Control box port -3
- C. Rear button port



**BUS BOX WIRE**

- A. Front button terminal
- B. Connect to CAN BUS connector
- C. Connect to CAN BUS terminal
- D. Connector joint power wire -B



**LOCK CONTROL WIRE**

- A. Tailgate button in
- B. Tailgate button out
- C. Lock control in
- D. Lock control out
- E. Control box port -1



**ELECTRIC STRUT**

- A. Connect to Control box port -8-9
- B. Connect to Control box port -7



**Buzzer**

- A. Connect to Rear button wire -A

