



**General Applicability:**

2017-19 Honda CRV

**Issues**

N/A

**Kit Contents:**

Item#	Component Description
1	Stay Bar (Strut)(right)
2	Stay Bar (Strut)(left)
3	Control Box
4	Control Box Bracket
5	Front Switch
6	Rear Switch
7	Rear Buzzer
8	BUS Box w/Harness
9	Main Harness
10	Power Supply Harness
11	Front Button Harness
12	Rear Button / Buzzer Harness
13	Lock Control Harness
14	16 mm drill bit

**Installation Kit Contents:**

Item#	Component Description
1	Warning Labels
2	Quick Splice Terminals
3	Wire Ties

**Recommended Tools:**

<b>Safety Tools</b>	
Seat/ Floor Covers	Blankets
<b>Installation Tools</b>	
10mm Socket / Ratchet	NRT-Nylon Removal Tool
Wire Puller	Side Cutters
Small Flat Screwdriver	Razor Knife
Hook Tool	#2 Phillips Screwdriver
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.

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

1. 2017-19 Honda CRV. (Figure A)
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. **NOTE: Disassemble may change due to different trim levels and model years.** Detach upper tailgate cover by using a Nylon Removal Tool / NRT and prying along upper edge.

(Figure B1a-b) 

2. Detach middle tailgate cover by using a Nylon Removal Tool /NRT and prying along edge. By hand pull out on trim to release fasteners.


Remove opposite side. (Figure B2a-b) 

Figure A1



Figure B1a



Figure B1b



Figure B2a



Figure B2b



3. Using a #2 Phillips screwdriver, remove the (1) screw holding the rear liftgate handle. Use an NRT to help remove handle insert.


(Figure B3a-b) 

Figure B3a



Figure B3b




4. By hand and NRT, pry the rear liftgate trim panel from the liftgate. (Figure B4) 

Figure B4



5. Pry rubber harness gaskets away from liftgate and vehicle panels. (Figure B5)

Figure B5



6. By hand, remove upper trim panel from rear tailgate opening. (Figure B6a-b)

Figure B6a




7. Remove the screws securing the tail lamps to the vehicle's body, using a #2 Philips screwdriver. Disconnect the wiring harness, remove and set aside where it will not get damaged. (Figure B7a-c) 

Figure B6b



Figure B7a



Figure B7b



Figure B7c



8. Remove rear luggage compartment cover. (Figure B8a-b)

Figure B8a



9. Remove luggage compartment strap.

(Figure B9)

Figure B8b



Figure B9



10. Using a #2 Phillips screwdriver, remove (2)

screws in trim panel between rear seats and luggage compartment. Pull up and remove


panel. (Figure B10a-b) 

Figure B10a



Figure B10b



11. By hand, pull back on lower panel and remove.


(Figure 11a-b) 

Figure B11a



12. By hand, remove lower rear luggage trim panel. (Figure 12a-b)

Figure B11b



Figure B12a



Figure B12b




13. Remove cover of handle. Using a #2 Phillips screwdriver to remove to (2) screws securing the handle to the wall. (Figure B13a-b) 

Figure B13a



Figure B13b



14. Using an NRT, push in on hidden button to release luggage net hook. **NOTE: some years**



**and trim levels may differ on extra trim**




**pieces.** (Figure B14a-b) 

Figure B14a



Figure B14b



15. By hand, remove driver side rear seat door sill trim panel. (Figure B15a-b)

Figure B15a



Figure B15b




16. Using an NRT, remove the (2) trim panel clips from the side panel. (Figure B16) 

Figure B16



17. By hand, carefully pull out on left side quarter panel. Disconnect interior light and handle cable. Remove panel completely from the vehicle. (Figure B17a-d)

Figure B17a

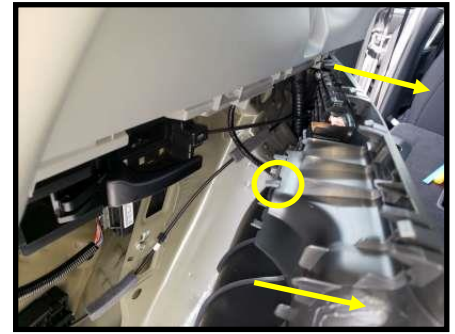


Figure B17b

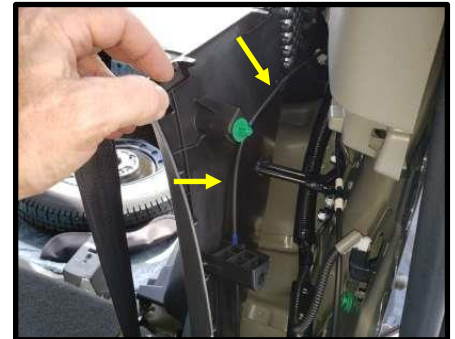


Figure B17c



Figure B17d



18. By hand, carefully pull out on left side upper trim panel. It is not necessary to remove trim completely. Figure shows completely removed for better view. (Figure B18a-b)

Figure B18a





19. By hand, remove front driver door sill panel.  
(Figure B19a-b)

Figure B18b



Figure B19a



Figure B19b



20. By hand, remove front kick panel.  
(Figure B20a-b)

Figure B20a



Figure B20b



21. By hand, remove lower dash panel.  
 (Figure B21a-b)

Figure B21a



Figure B21b



22. Using an NRT, remove and disconnect air conditioning panel below radio. Remove (2) #2 Phillips screws below radio. Pull radio out and set aside for wiring connections.


(Figure B22a-c) 

Figure B22a



Figure B22b



Figure B22c



23. 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.



**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.** (Figure B23a-e) 

Figure B23a



Figure B23b



Figure B23c



Figure B23d



Figure B23e



**C. Electric Strut Bar Installation**

1. Install new electric struts into place making sure that the strut marked **RIGHT** is on the Passenger side. Push upper and lower strut sockets onto strut ball with harness down and facing the vehicle. Continue installing Driver/**Left** side strut. (Figure C1a-d)



Figure C1a



Figure C1b



Figure C1c



Figure C1d



2. Route strut cable through small opening below the lower strut mount and out through tail light opening. (Figure C2)

Figure C2



3. Remove the tape securing the wire loom to the tail lamp rubber boot. Route the power lift gate harness through the boot, to the interior of the vehicle. Once through the boot, re-tape with electrical tape and re-install. (Figure C3a-b)

Figure C3a



Figure C3b



4. Route passengers' harness in the same manner. Continue routing cable from passenger side to driver following illustrated path. Secure harness along the path. Both harness ends should rest in rear quarter on left side. (Figure C4a-b)

Figure C4a



Figure C4b



**D. Rear Cable Routing**

1. Locate tailgate switch harness and buzzer harness (3140122001002/ 41204240 & 43607300). Route single connector up through vehicle body to the harness boot leading to tailgate. (Figure D1a-b)

Figure D1a



2. Continue routing harness through vehicle boot into tailgate. Once in the tailgate, route harness following factory harness around to liftgate handle. From inside the vehicle, route harness down rear pillar to lower rear quarter panel.



**NOTE: use a wire puller to pull harness through gasket. Protect harness connectors by taping over them so they pass through easier.** (Figure D2a-d)

Figure D1b



Figure D2a

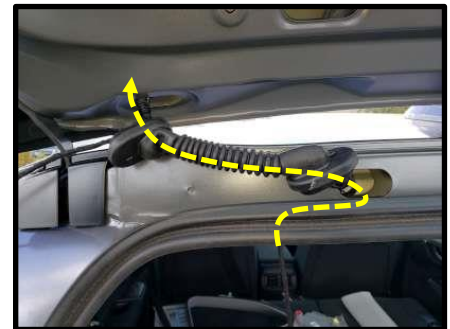


Figure D2b



Figure D2c



Figure D2d



3. connect buzzer and mount to inner wall of rear quarter panel in location that will not interfere with trim panel. Temporarily leave switch hooked up for testing. (Figure D3a-b)

Figure D3a



Figure D3b



4. Locate connector junction in rear upper quarter panel and disconnect. (Figure D4a)

Figure D4a

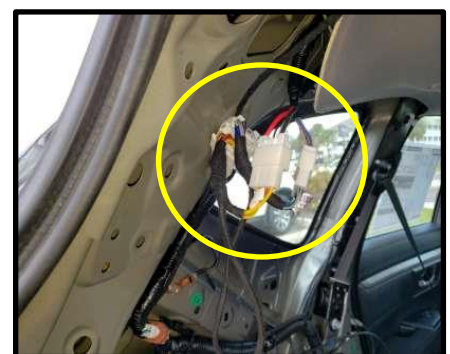


Figure D4b



5. Connect the supplied T-Harnesses (41204230) to the OEM liftgate latch/lock connector. Continue routing harness to lower quarter panel area. (Figure D5a-b)

Figure D5a



**E. Front Cable Routing**

1. Begin routing the main harness from the driver side kick panel (pink and white connectors) reward along sill panel. Continue routing back to rear quarter panel following factory harnesses.



**DO NOT route harness where it may interfere with seat belt.** (Figure E1a-c)



2. Locate the large harness up near the dash brace. Locate the large white wire within this harness. Use the supplied splice clip and attach the Yellow power wire to the factory white wire. (Figure E2a-d)

Figure D5b



Figure E1a



Figure E1b



Figure E1c



Figure E2a





Figure E2b



Figure E2c



Figure E2d



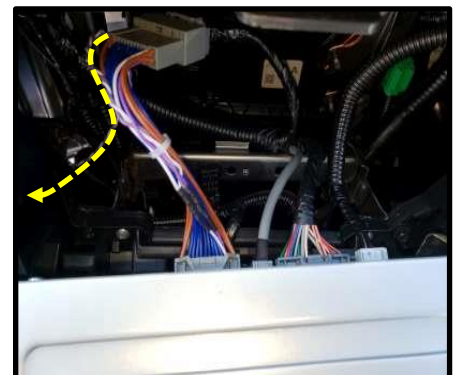
3. Connect ground connector at frame using a 10mm socket/ratchet. Continue routing cable downward into kick panel. (Figure E3)

Figure E3



4. Connect Radio T-harness to back of radio and route harness over to kick panel. Secure harness along the route. (Figure E4a-b)

Figure E4a



5. Route switch harness from switch area down to kick panel. Install new switch into switch panel by removing a dummy cover. Connect switch to harness and re-install middle dash panel. (Figure E5a-b)

Figure E4b



Figure E5a



Figure E5b



6. Make all connections to main harness and CAN Bus module. Mount CAN Bus Module to inner kick panel. (Figure E6a-b)

Figure E6a



Figure E6b



**F. Control Box Location**

1. Make all appropriate connections to the Control module. Using the supplied mounting bracket secure the control module to the vehicles body structure in the LH rear quarter panel. **NOTE:**



**depending on year and other accessories installed, the bracket and position may need to be changed to fit properly.** Connect ground wire to grounding stud where illustrated.

(Figure F1a-c)

Figure F1a

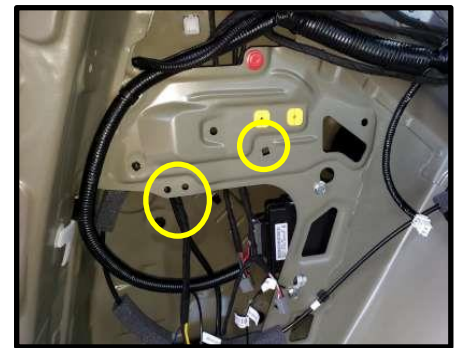


Figure F1b

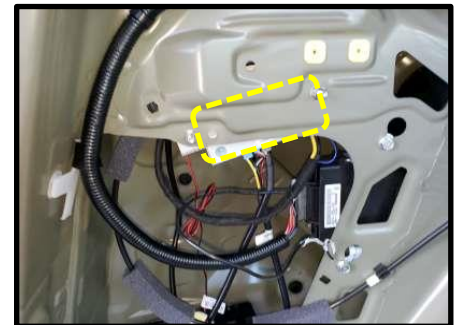


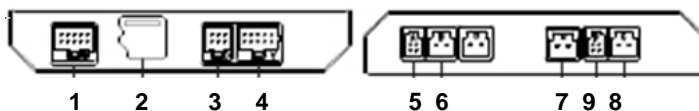
Figure F1c



**G. Control Box Connections**

1. Attach harnesses per diagram and connector fit.

(Figure G1a-c)



- 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

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. Connect rear button for proper testing.  
(Figure G3)



4. **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. **With Keyless Remote, press 3X the Unlock button. Sometimes speed of pushing button can affect the results.**



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

#### H. 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.

Figure G3



**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>

### I. Reassemble Trim and Complete Installation

**1.** Re-install rear tailgate trim panel with rear button installed. Drill using 16mm bit and install switch /cable 4540012 into handle trim panel

where indicated. **CAUTION: Drill bit is**

**supplied for this switch, check size and clearance before drilling.** (Figure I1a-b)

**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.

Figure I1a



Figure I1b



Figure I1c



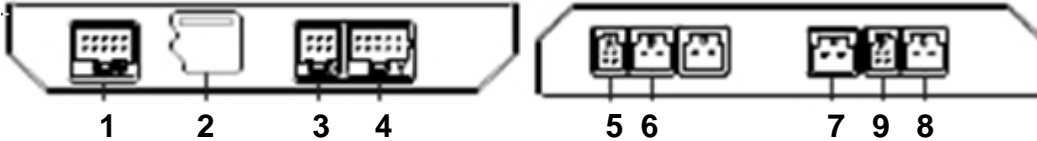
**For Customer or Technical support please call VOXX Support:**

**1-800-645-4994**

**9 AM – 6 PM (EST -Eastern**

**Monday – Friday**

**HARNESS CONNECTIONS:**



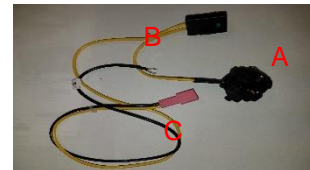
**POWER WIRE**

- 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 (If available)



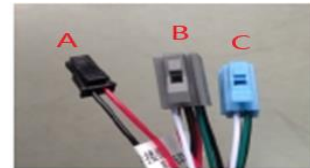
**POWER SUPPLY UNIT**

- A. Power out
- B. Ground
- C. 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 harness
- B. Connect to BUS box
- C. Connect to communication -C
- D. Connector joint power wire -B



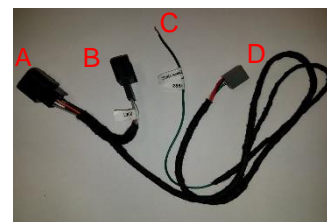
**OBD ADAPTER**

- A. OBD out
- B. Connect to BUS box wire -C
- C. OBD in



**LOCK CONTROL WIRE**

- A. Tailgate button in
- B. Tailgate button out
- C. Lock control in
- D. 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

