Chrysler Pacifica Minivan

Service Manual

2017-2019 Model Year

Main: (800) 956-6668
Local: (952) 890-7851
Fax: (952) 808-2775

Your Life. Your Ride.™

6591 W. Hwy 13
Savage, MN 55378
www.rollxvans.com

Chrysler Pacifica Minivan
2017-2019 Model Year
Service Manual

#17227-004
September 2018

Table of Contents

For all warranty or reimbursement needs, **YOU MUST HAVE PRIOR AUTHORIZATION** by the Rollx Vans Service Department.

1. Call **1-800-956-6668**, and a Rollx Vans Customer Service Representative will assist you in any concerns or issues you have with your van.

2. The Service representative will evaluate what repair is needed, and either set up an appointment with an "At Home" service technician or direct you to a nearby service facility. An authorization number **must** be issued.

After Hours Emergency Service: If you experience an after-hours service emergency, please call: **(612) 670-8409** and a service technician will assist you.

Warranty Coverage Information

Rollx Vans will work with many repair facilities. Rollx Vans reserves the right to approve a repair shop or recommend an alternative.

Rollx Vans may request that defective parts be returned to our Customer Service department for inspection. If parts are found to be defective because of abuse or neglect, reimbursement for the new replacement parts may be denied. Rollx Vans reserves the right to use rebuilt components.

Rollx Vans will ship all warranted replacement parts by nationwide carrier. In most cases, shipment will be by ground transport and absorbed by Rollx Vans. Any other mode of transportation will be at the expense of the customer.

Rollx Vans Conversion

Including - Dropped Floor, Sliding Door Modifications, Power Ramp, and Electric Kneeling. Other options are not included in this warranty. See manufacturer's warranty for factory options.

Rollx Vans Limited Warranty (3 yrs/36,000 miles)

Rollx Vans is pleased to provide its customers with exceptional warranty coverage. The Rollx Vans coverage begins the day the van is delivered, at the current mileage. Rollx Vans will cover any repair due to any defective parts or workmanship done during or resulting from the conversion process. The Rollx Vans Warranty is good for 3 yrs/36,000 miles; whichever one comes first.

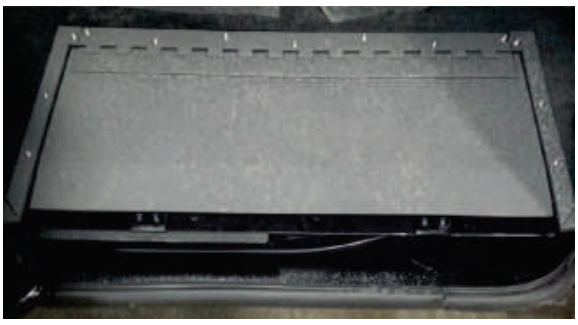
Except for the items listed below:
Interior, Rollx Vans Remotes, Exhaust, Paint/Body, EZ Lock Power Tiedown, Rollx Vans 6-Way Transfer Seat, Dual Battery System, Zero/Reduced Effort Steering, Hand Controls, Touch pads and Voice Scans (All items listed are covered for 1 yr/12,000 miles).

Structural integrity for Ramp and Frame/Floor components (covered for 7 yrs/100,000 miles).

**For information regarding extended warranty plans, please call the Rollx Vans finance department*

Periodically make sure the lower sliding door tracks are free of debris and vacuum track out.

Spray the ramp cover plate hinge with a Silicon or Teflon base lubricant **(NOT WD40)** every 6 months.



Note: Ramp hinges and door tracks need to be kept clean and free from debris at all times. Check this every time you fill your van with gas.

BATTERY MAINTENANCE

FIAT CHRYSLER AUTOMOTIVE states that a vehicle that has not been operated for approximately twenty days may discharge the battery to an inadequate level. Rollx Vans recommends starting your van every 3-4 days, and drive the van 15-20 minutes to keep the battery at a sufficient state of charge.

Lightly lubricate the kneeling chain with chain oil every 6 months. This is located by the right rear tire. Periodically make sure that the kneel actuator compartment is free of debris. This is located under rear bench seat.

Power Tiedown: Periodically check power tiedown for wear and tear. Make sure the power tiedown is free of debris at all times. Ensure that the power tiedown alarm and release button are.

6-Way: Periodically tighten and lubricate 6-way seat with light lithium grease. Make sure that the tracks are free of debris at all times.

Car Wash Information

Preferably have your van hand washed. If this is not available, use a touchless car wash only if it has a stop bump and not double rails. DO NOT USE A PULL THROUGH CAR WASH!

Warning: Using a car wash that pulls a vehicle through or slides a vehicle on rails may cause damage to the ground effects.

Note: For the Rollx Vans system to operate, the Overhead ON/OFF switch needs to be in the ON position.

Sliding Door ON/OFF Overhead Switch
(Blue light must be off)

To **open** the door and deploy the ramp, press and release any of the Rollx Vans user buttons pictured.

User Remote Button

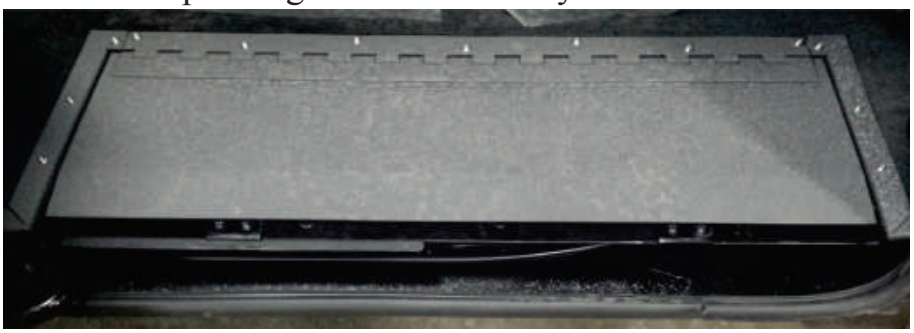
Center Dash User Button

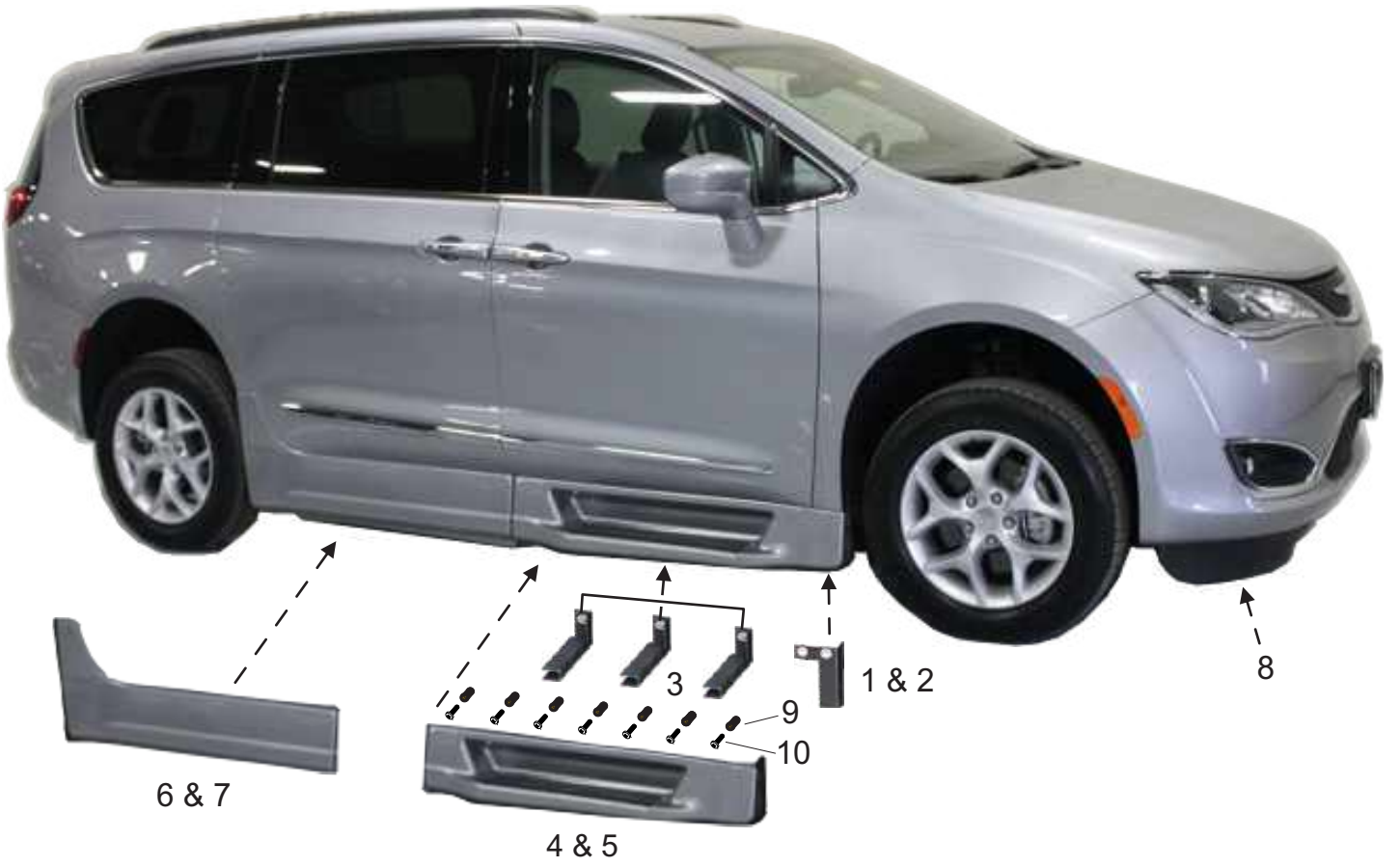
C-Pillar User Button

D-Pillar User Button

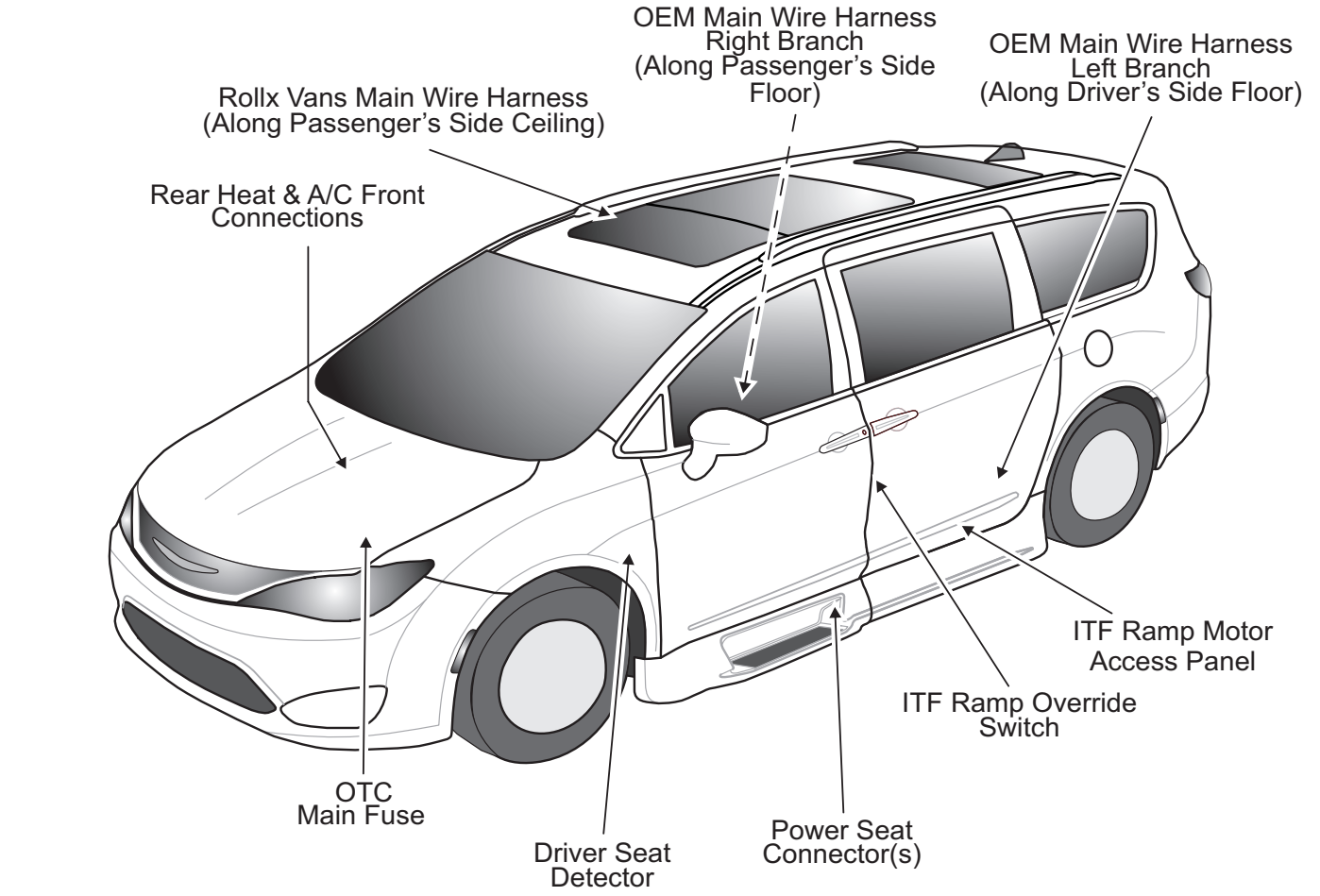
To **close** the door and stow the ramp, press and release any of the user buttons pictured.

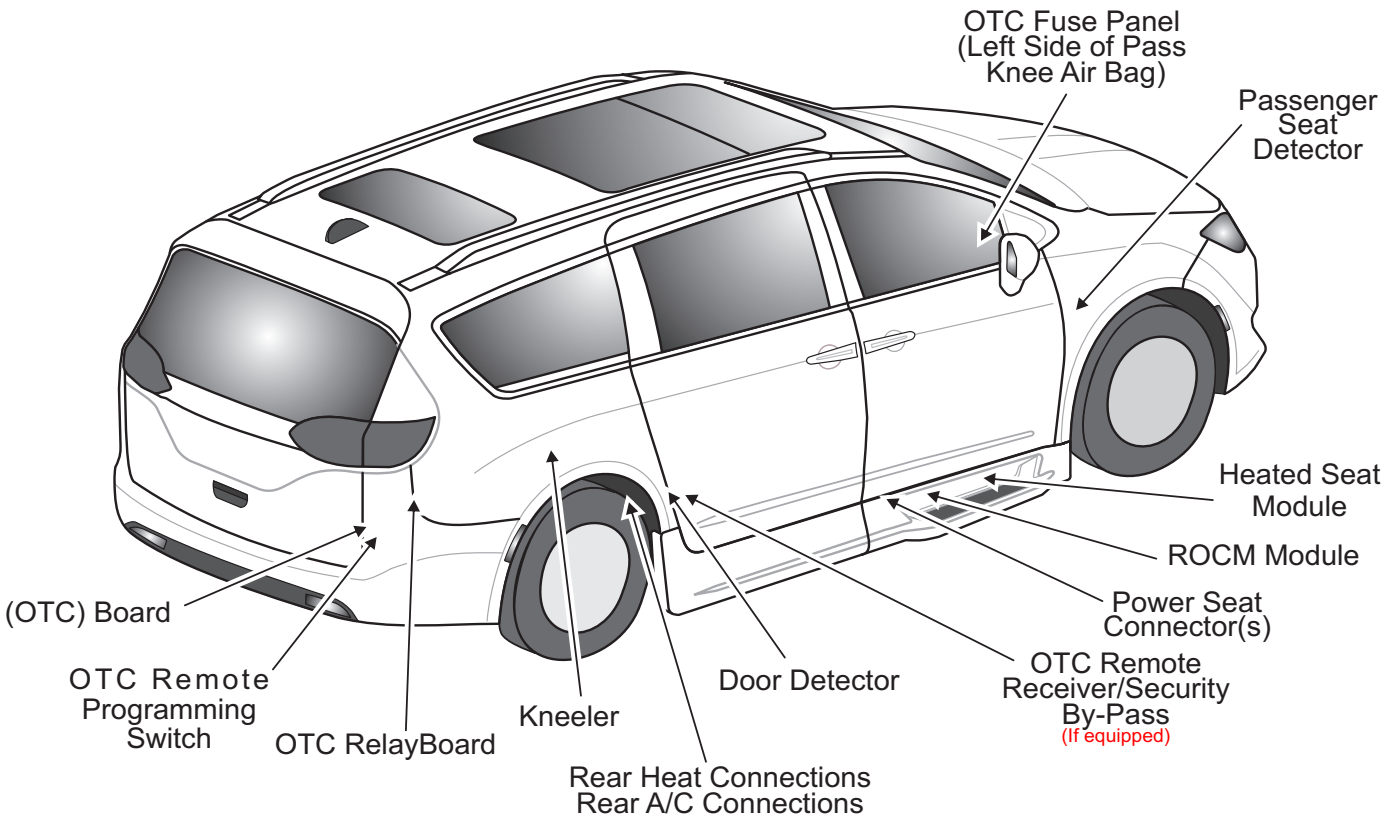
Make sure there is no pressure on the cover plate when operating the Rollx Vans system.



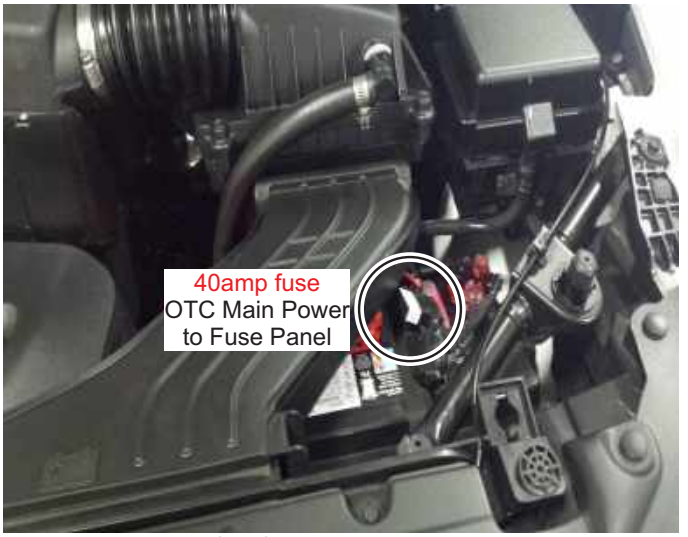


Item	P.N.	Description	QTY
1	B17061	Dr. Front GFX Bracket	1
2	B17064	Pass. Front GFX Bracket	1
3	B17099	GFX Step Brackets	6
4	B17180-P1	Pass. Front Door GFX	1
5	B17180-D1	Dr. Front Door GFX	1
6	B17180-P2	Pass. Slider Door GFX	1
7	B17180-D2	Dr. Slider Door GFX	1
8	B17180-F	Front Facia	1
9	0162804	10-32 WellNuts	14
10	11252705	10-32X1/2 Screw full thread BLK Zinc	14

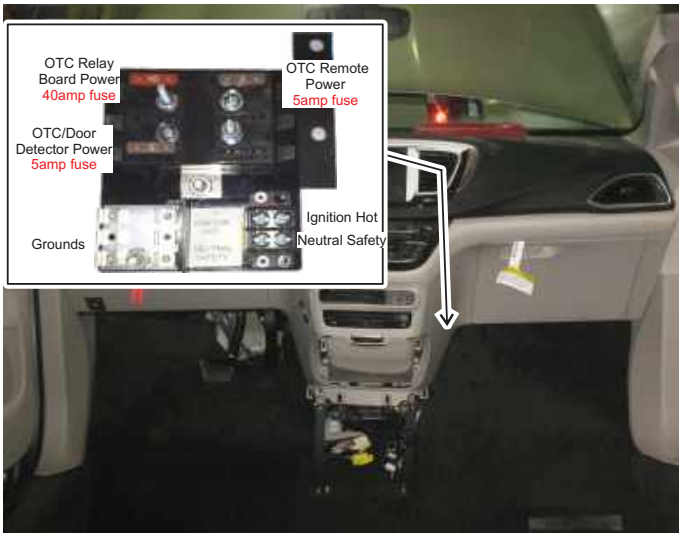




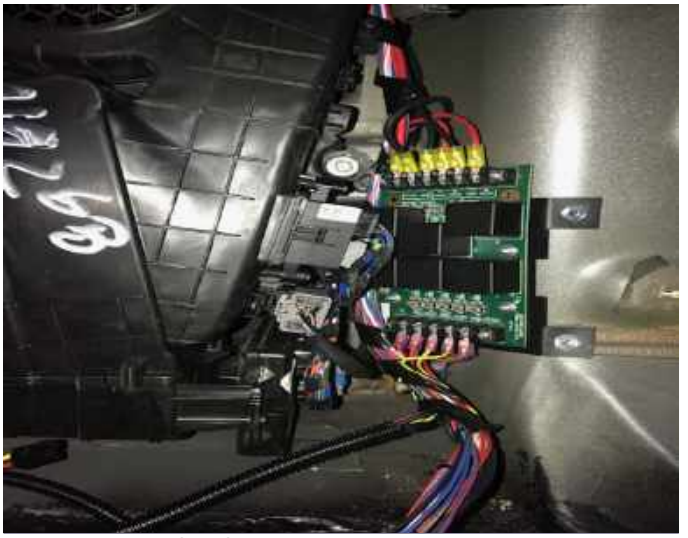
Main Power Fuses
(Engine Compartment)



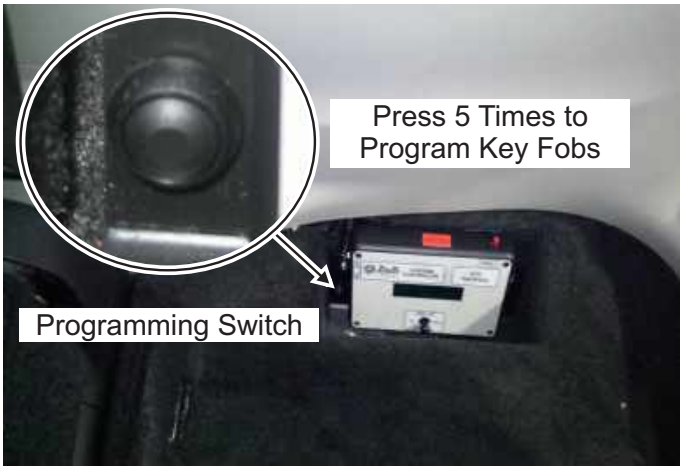
OTC Fuse Panel
(Left Side Of Passenger Knee Airbag)



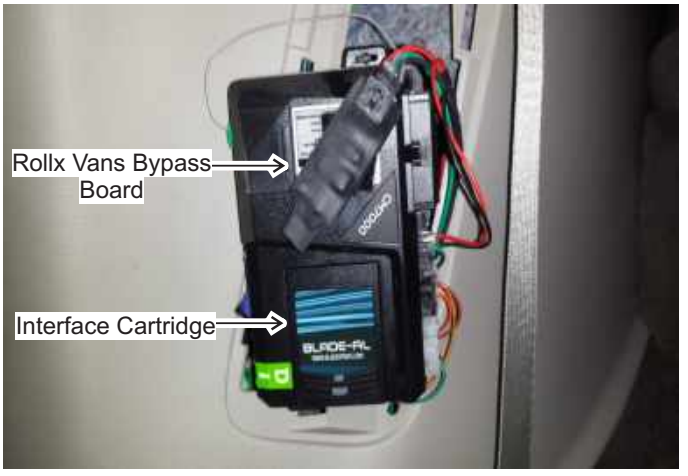
OTC Relay Board
(Behind Rear Passenger Quarter Panel)



OTC Board/Remote Programming Switch
(Passenger Side Rear Cargo Area)

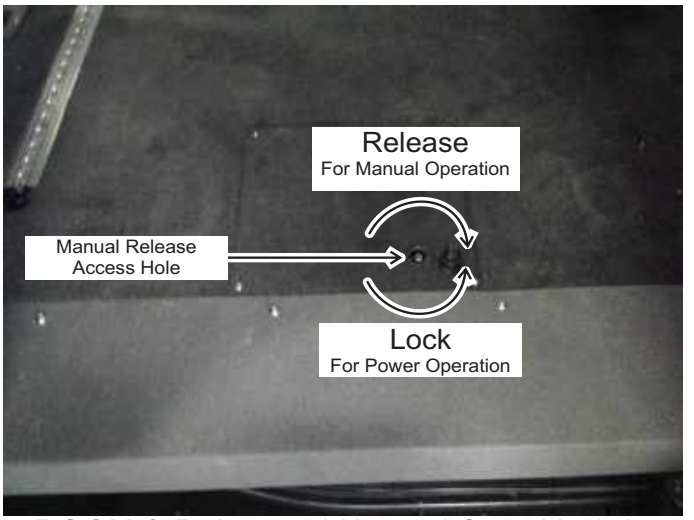


OTC Remote Receiver
(Passenger Side C-Pillar)



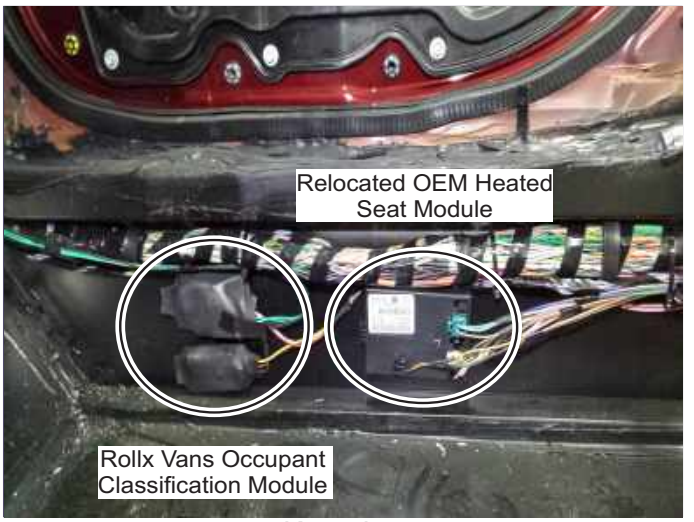
OTC Door Detector
(Passenger Side C-Pillar)

ITF Motor Manual Release
(Driver's Side Floor Behind Seat)



ITF Ramp Override Switch
(Driver's B-Pillar)

ROCM & Relocated Heated Seat Module
(Passenger's Side Z)



Seat Detectors
(Driver & Passenger Under Dash)

Kneeler
(Under Rear Sofa, Remove Front Cover)

OTC Reset & User Switches

Passenger Sliding Door Troubleshooting

Note: Using the “Debug Mode” on the OTC board is a good resource to assist you in trouble shooting. Refer to the “One Touch System Interface Debugger” section and verify all the Inputs (limit switches) are functioning normally.

Symptom	Possible Cause	Remedy
Ramp sliding door **does NOT OPEN** with interior Rollx Vans user switch / Rollx Vans remote.	Van is NOT in park.	Place van into park..
	Overhead on/off switch is in the OFF position.	Turn switch to ON position.
	OTC program failure.	Press OTC reset button.
	Rollx Vans Fuses are blown.	Replace Rollx Vans fuses.
	OEM B-Pillar Switch Failure (switch needs to be functioning for our system to work).	Replace OEM B-Pillar switch.
	Defective Rollx Vans Remote.	See Remote Troubleshooting section.
	Broken wires in the door harness.	Test & repair open circuit or Replace harness.
	Door lock actuator failure.	Replace door lock actuator.
	Bad user switch.	Try another user switch/ replace defective switch.
	Low voltage.	Check or replace the van's battery.
	Bad OTC board.	Replace OTC board.
	Defective door detector.	Replace the door detector
Ramp sliding door **does NOT OPEN** with interior OEM switches after pressing OTC reset button.	OEM overhead ON / OFF switch is OFF.	Turn switch to ON position.
	Defective OEM door track assembly.	Replace modified power sliding door track.
Ramp sliding door **does NOT latch OPEN** all the way.	Obstructions in upper, middle or lower door tracks.	Inspect and remove obstructions.
	Door hold open latch, bracket or cable	Adjust or replace door hold open latch, bracket or cable.
Ramp sliding door **kicks back when opening.**	Obstruction.	Check door track for any debris and remove.
	Door not latching in full open position.	Adjust or replace the door open bracket, latch or cable.
Ramp sliding door **kicks back when closing.**	Door out of adjustment.	Adjust door and strikers.
	Ramp is not fully stowed.	Stow ramp & trouble shoot reason.
	OEM door module needs software update.	Update software from Chrysler or Rollx Vans.
	Excessive cabin pressure.	Shut off AC/Heater fan, and open a window.
Ramp sliding door **does NOT CLOSE** after ramp stows.	Defective door detector.	Replace the door detector.
	Door hold open latch or cable.	Adjust or replace door hold open latch or cable.
	Ramp up limit switch is not being activated.	Adjust or Replace the ramp up limit.
Ramp sliding door **attempts to close** (door motor runs) after ramp stows, but door does not move.	Door hold open latch, bracket or cable	Adjust or replace door hold open latch, bracket or cable.
	Defective OEM door track assembly.	Press OTC reset button, press interior OEM push button to see if door will close automatically. If door still does not respond, replace door track assembly.
	Defective OEM cinch latch.	Replace cinch latch.
Ramp sliding door **does NOT OPEN manually**.	Door is locked.	Unlock door.
	Child safety lock is activated.	Deactivate child safety lock.
	Faulty door track assembly.	Replace modified power sliding door track.
	Defective interior handle cable.	Adjust or replace cable.
Ramp sliding door **does OT CLOSE manually.**	Door handle is not releasing.	Pull handle, disengage latch and slide to close.
	Obstruction.	Check door track for any debris and remove.
	Defective OEM door track assembly.	Replace modified power sliding door track.

Symptom	Possible Cause	Remedy
Ramp **will NOT DEPLOY** after door opens automatically.	Door is not fully open.	Check the upper or lower door tracks for obstructions, ensure door opens freely and latches.
	Blown fuse or Defective door detector.	Replace fuse or the door detector.
	Faulty OEM cinch latch.	Replace OEM cinch latch.
	OEM Door Ajar Switch (Door Closed signal) is never deactivated when door begins to open.	If the OTC thinks the door is open and closed it will end the cycle. Examine switch / wiring.
	Ramp motor not engaged.	Engage ramp motor. Refer to the "Important Items location" section of this manual.
	Ramp down limit switch may be activated or wiring is bad.	See limit switch adjustment and OTC wiring diagram.
	Bad ramp motor or chain is too tight.	Check wiring, loosen chain or replace motor.
Ramp **will NOT STOW** automatically.	Ramp motor not engaged.	Engage ramp motor. Refer to the "Important items location" section of this manual.
	Bad ramp motor or chain is too tight.	Check wiring, loosen chain or replace motor.
	Ramp up limit switch may be activated.	See limit switch adjustment and OTC wiring diagram.
	Low voltage from the battery.	Start vehicle. Press OTC reset button and press Rollx Vans user button again.
Ramp **deploys before door is all the way open.**	Door hold open latch, bracket or cable	Adjust or replace door hold open latch, bracket or cable.
	Obstructions in upper, middle or lower door tracks.	Inspect and remove obstructions.
	Faulty door detector or wiring is bad.	Replace door detector or trouble shoot & repair wiring. See OTC Wiring diagrams.
Ramp **will STOP** mid-cycle.	Obstacle is detected.	Clear obstruction and press Rollx Vans user button.
	Chain is too tight.	Loosen chain by adjusting tensioner.
Ramp **will start** to deploy or stow **then stop** functioning.	Pressure on cover plate or chain is too tight.	Ensure that there are no objects on top of cover plate or loosen chain.

Symptom	Possible Cause	Remedy
Van **does NOT LOWER** to ground while door is opening after Rollx Vans user button is pressed.	Kneel on / off switch is turned OFF.	Turn kneel switch to the ON position.
	Kneel motor.	Review display board. Turn kneel switch to the OFF position and press OTC reset button. Temporarily operate system without kneel option enabled.
	Kneel chain is broken.	Replace Chain.
After van is lowered to ground the kneeler makes a loud **ratcheting sound.**	Kneel down limit switch was not activated.	Adjust kneel down limit switch. Replace if broken.
Van **will NOT RAISE** when ramp is stowed.	Kneel on / off switch is turned OFF.	Turn kneel switch to the ON position.
	Kneel motor.	Review display board. Manually un-kneel van, turn kneel switch to the OFF position and press OTC reset button.
	Kneel up limit switch is activated incorrectly.	Adjust kneel up limit switch. Replace if broken. Contact customer service.
Van raises and while door closing the kneeler ratchets.	Kneel up limit switch is not activated.	Once door is closed and van is at normal height, turn kneeling switch to the OFF position.

Important: See OTC Wiring Diagram for more information.

Symptom	Possible Cause	Remedy
NO POWER to One Touch Controller (OTC).	OTC shut off.	Check that OTC ON/OFF switch is on. The power toggle switch is on the actual OTC board itself.
	Connectors disconnected.	Ensure the connections on the back of the OTC connected.
	Blown fuses.	Check the OTC 40 amp main fuse (engine compartment). Check the fuses on the Rollxvans fuse panel (under dash).
	OTC needs to be reset.	Reset the OTC.(The reset is located on the left side of the dash by the drivers left knee and on the OTC board (red button).
	Dead battery.	Check battery voltage.
OTC will **NOT RUN A CYCLE**. Display is showing low battery, when battery is fully charged.	Defective OTC board.	Replace OTC board.
OTC will not run a cycle. Display shuts off within 10 seconds or when going into set up mode.	Open/short in neutral safety circuit.	Repair neutral safety circuit.
	Faulty ROCM.	Replace ROCM.
	Defective OTC board.	Replace OTC board.
OTC beeps 4 times when the user tries to run a normal open/close cycle.	Battery is low.	Turn off the OTC and charge battery. Note: The alarm will sound when the battery voltage is below 11.4 VDC. This is to prevent the OTC system from draining the battery far enough as to prevent the vehicle from starting. This level is adjustable in the boards Setup menu.
The van's battery is dead.	Bad battery due to lack of use.	Charge the battery or replace the battery if necessary. Rollx Vans recommends starting your van every 3-4 days, and drive the van 15-20 minutes in order to keep the battery at a sufficient state of charge.
	Accessive current draw.	Check the current draw by placing an ammeter in series with the negative terminal on the battery with all doors closed and engine off. The draw varies, but awake, the system should be less than .850 amps and when sleeping, less than .050 amps. Additional equipment installed will also vary these numbers. See batery section for more information.
The OTC display is garbled	OTC needs to be reset.	Reset the OTC. The reset is located on the dash by the drivers left knee and on the OTC board (red button).

Alarm Warning Codes		
3 Beeps - Pause - 1 Beep		Sliding Door Error
3 Beeps - Pause - 2 Beep		Kneel System Error
3 Beeps - Pause - 3 Beep		Ramp System Error
3 Beeps - Pause - 4 Beep		Memory Error
3 Beeps - Pause - 5 Beep		Com Error
3 Beeps - Pause - 6 Beep		Power Supply Error
4 Beeps - 4 Beeps - 4 Beeps		Low Battery Voltage

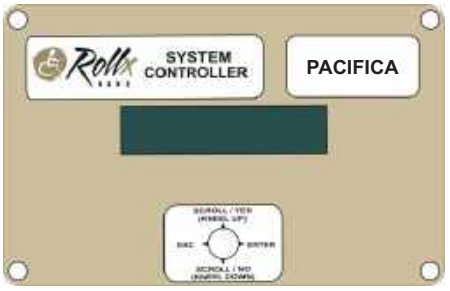
The Rollx Vans One Touch Controller, known as the OTC, is a Single Board Computer specifically designed for the Rollx Vans system.

The OTC system was designed to be independent to the operation of the Chrysler computer system. When power is removed from the OTC, it has no effect on the operation of the Chrysler system.

The OTC is a low power system. When the OTC is in Sleep Mode with the Display disabled, it typically draws less then 10ma of current from the battery. When awake in Idle Mode (not running a cycle) with the Display enabled, it typically draws less than 200ma of current from the battery.

The current state of the OTC can be determined by viewing the Display. During open or close operation the progress of the system can be tracked by watching the Display.

OTC V8.0



Sequence of Operation

Open Cycle

1) The OTC is activated by any Rollx Vans User Switch or Remote being pressed.
2) Door unlock command sent (1 sec.) To Front Passenger Door Control Module to unlock all doors.
3) Door open command sent to OEM B-Pillar Door Open/Close Button to open the passenger sliding door.
4) Door starts to open.
5) Kneeler motor is turned on and starts to lower van.
   *If door fails to open within 2 seconds of User Switch being pressed, cycle stops (van unkneels and cycle is ended)
6) Door reaches open position and activates Rollx Vans Door Open Limit Switch.
7) Passenger sliding door is disabled by OTC interrupting the CAN Bus signal with built in relay.
8) Ramp motor is turned on and starts to deploy.
9) Kneeler stops lowering when Kneel Down Limit Switch is activated.
10) Ramp stops deploying when Ramp Down Limit Switch is activated.
11) OTC enters Idle Mode.
12) OTC enters Sleep Mode.

Close Cycle

1) The OTC is activated by any Rollx Vans User Switch or Remote being pressed.
2) Ramp motor is turned on and starts to stow.
3) After a few seconds (ramp is off the ground and begun to slide into van) kneeler motor is turned on and starts to raise the van.
4) Kneeler stops raising when Kneel Up Limit Switch is activated.
5) Ramp stops stowing when Ramp Up Limit Switch is activated.
6) Passenger sliding door is enabled by OTC reconnecting the CAN Bus signal with built in relay.
7) Door close command sent to OEM B-Pillar Door Open/Close Button to close the passenger sliding door.
8) OTC receives signal from OEM Door Ajar Pin Switch that door is closed.
9) OTC enters Idle Mode.
10) OTC enters Sleep Mode.

Note: There are “Watch Dogs” programmed in the OTC software that act as timers to end a function if the function does not complete within a certain amount of expected and very reasonable time.

INPUTS

KNEEL DISABLE SWITCH (Violet wire) Allows the user to enable (the "I" position) or disable (the "O" position) the kneeling system. There is no display for this input.

OTC CONTROLLER POWER (2 White/Red wires) Supplies power to the OTC Board

USER SWITCH INPUT (Blue wire) Active while any Rollx Vans user button or Rollx Vans remote is pressed.

NEUTRAL INPUT (Green wire) Indicates the status of the gear shifter. When active, the van is in park. The OTC system will not run a operational cycle unless the van is in park.

DOOR OPEN LIMIT INPUT (Orange/Red wire) Active when the right side sliding door is fully open.

DOOR CLOSE LIMIT INPUT (Violet/Yellow wire) Active when the right side sliding door is fully shut.

RAMP UP LIMIT INPUT (Red/Green wire) Active when the ramp in the up position.

RAMP DOWN LIMIT INPUT (Red/White wire) Active when the ramp is in the down position.

KNEEL DOWN LIMIT INPUT (Yellow/Green wire) Active when the kneeler is in the down position.

KNEEL UP LIMIT INPUT (Yellow/White wire) Active when the kneeler is in the up position.

OUTPUTS

System Status: Indicates if the system is ready to except a command. It is off when the OTC is in sleep mode. V8.0 Display will show Rollx Vans: Idle.

RAMP DOWN MOTOR OUTPUT (Red wire) Active when the OTC is driving the ramp down (OTC boards have obstacle detection monitoring this output).

RAMP UP MOTOR OUTPUT (Red/Black wire) Active when the OTC is driving the ramp up (OTC boards have obstacle detection monitoring this output).

KNEEL DOWN MOTOR OUTPUT (Yellow/Black wire) Active when the OTC is driving the kneeler up

KNEEL UP MOTOR OUTPUT (Yellow/Red wire) Active when the OTC is driving the kneeler up.

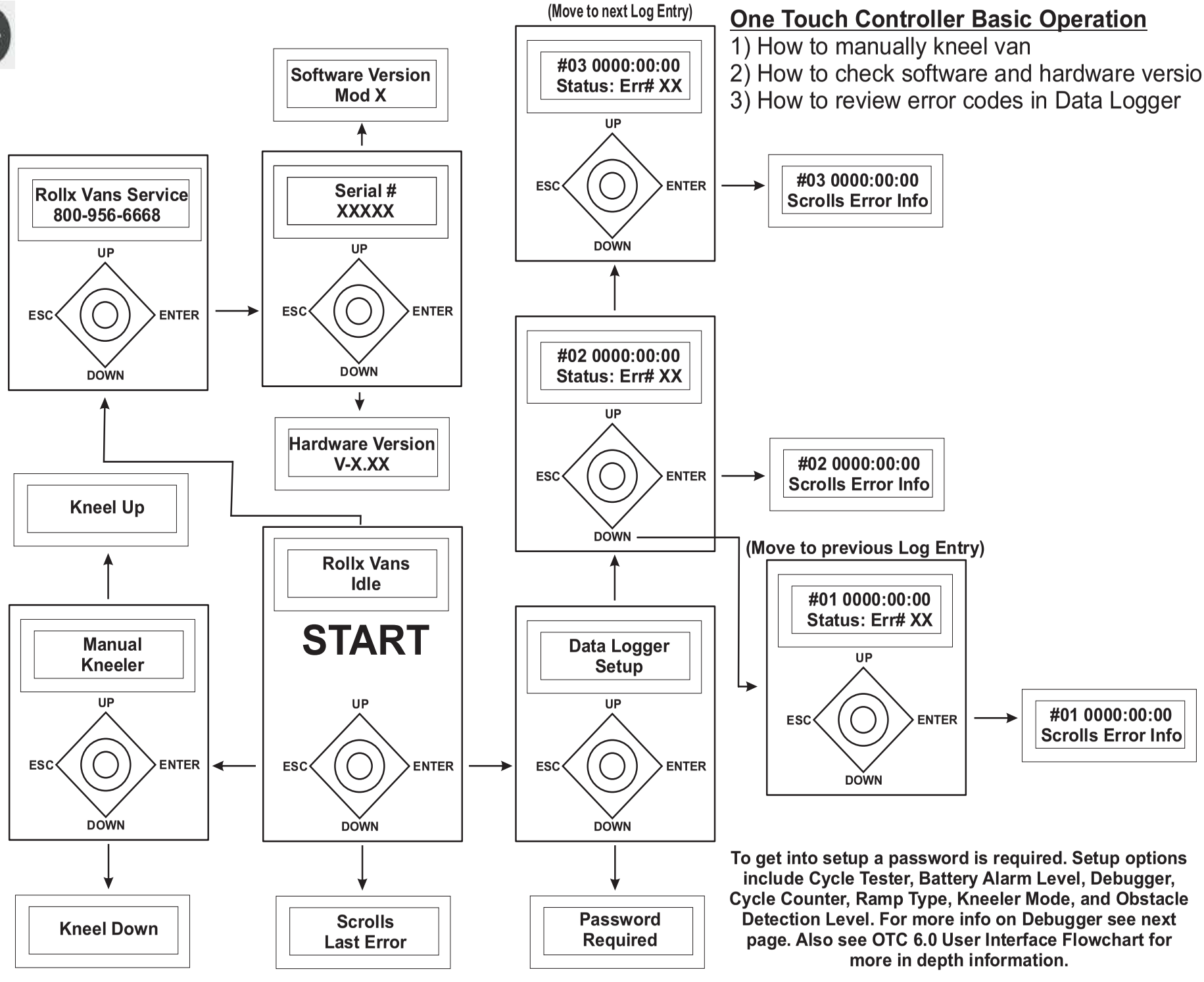
DOOR CONTROL OUTPUT (Violet/Yellow wire) OTC sends a command to the Chrysler system to open or close the right side sliding door.

RAMP ENABLE OUTPUT (Red/Blue wire) Active anytime when the OTC is driving the ramp up or down. It indicates the ramp manual mode is disabled.

DOOR UNLOCK OUTPUT (Violet/Dark Green) OTC sends a command to the Chrysler system to unlock the doors at the beginning of an open cycle.

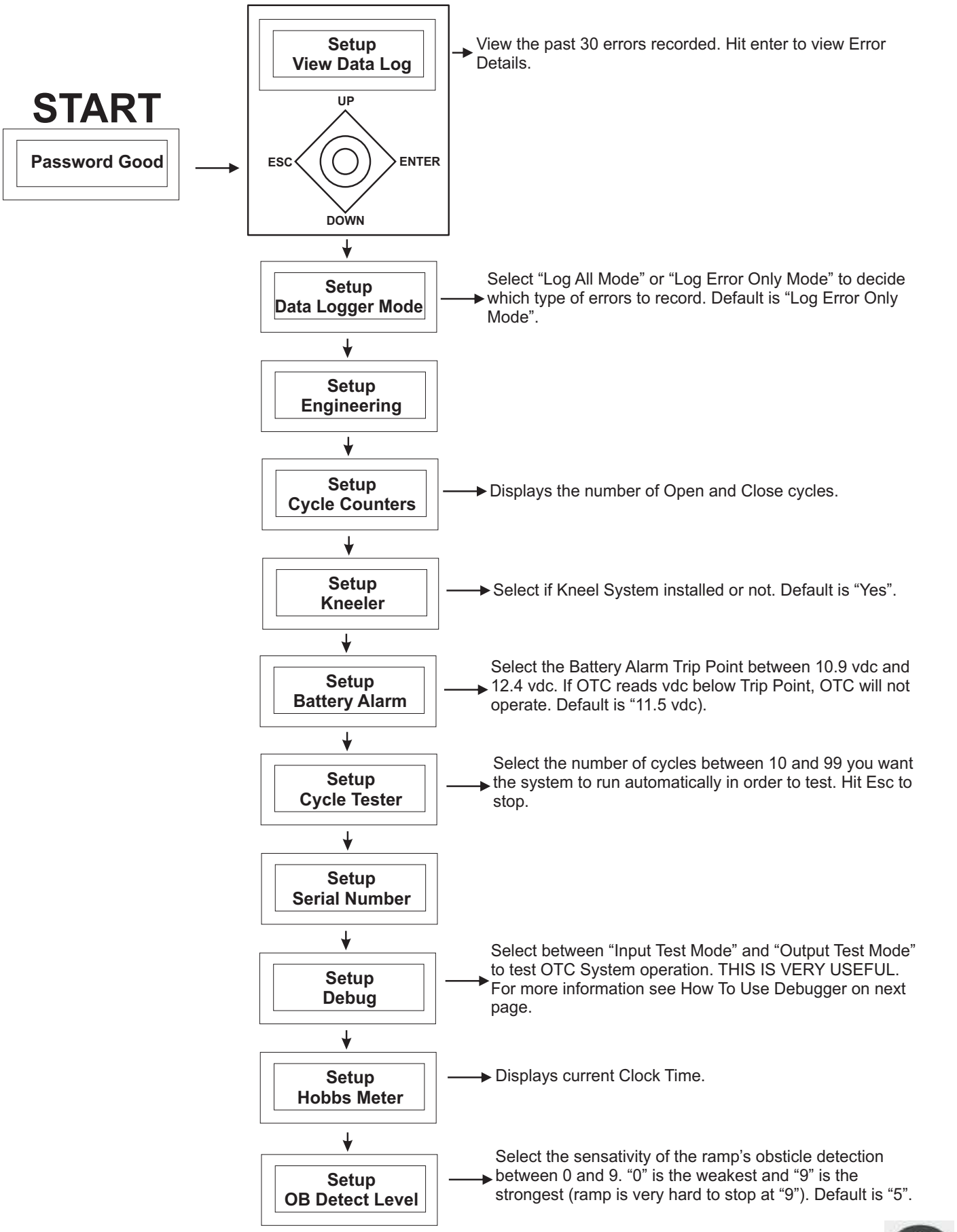
One Touch Controller Basic Operation

1) How to manually kneel van
2) How to check software and hardware versions
3) How to review error codes in Data Logger



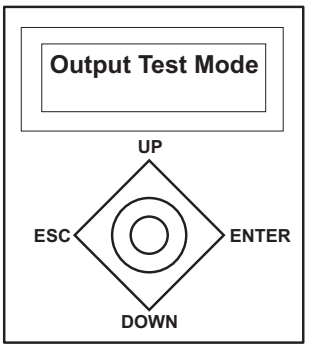
To get into setup a password is required. Setup options include Cycle Tester, Battery Alarm Level, Debugger, Cycle Counter, Ramp Type, Kneeler Mode, and Obstacle Detection Level. For more info on Debugger see next page. Also see OTC 6.0 User Interface Flowchart for more in depth information.

Options within Setup



How to Use Debugger (Output Test Mode)

Use extreme caution when using the Output Test Mode. The Output Test Modes sends the signal directly to the OTC Relay Board which results in power going to the called motor. No safeties are in place (ie. The Ramp Down will operate the ramp regardless if the door is open or closed.



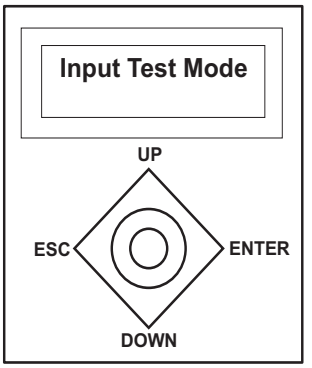
- **Output Test Mode Ramp Down** → Relay should click and ramp should go out.
- **Output Test Mode Door Unlock** → All OEM Doors should unlock.
- **Output Test Mode Door Close** → Closes the passenger sliding door.
- **Output Test Mode Door Open** → Opens the passenger sliding door.
- **Output Test Mode Kneel Down** → Press and hold to operate the kneeler and lower the van. Relay should click.
- **Output Test Mode Kneel Up** → Press and hold to operate the kneeler and raise the van. Relay should click.
- **Output Test Mode Ramp Enable** → Relay should click.
- **Output Test Mode Ramp Up** → Relay should click and ramp should go out.

How to Use Debugger
(Input Test Mode)

The Input Test mode is very useful for testing the various limit switches the systems requires. To operate:

1) Select a Limit Switch (Input) you would like to test from the list below.
2) Notice if the Switch is “On” or “Off” when it is suppose to be. The audible beeps let you test the switch by hand without looking at the OTC Board.
   - On (activated) = Double Beeps
   - Off (not activated) = Single Beeps

START



- **Input Test Mode Ramp Up** → ON when ramp is all the way in.
- **Input Test Mode Neutral** → ON when van is in Park or Neutral.
- **Input Test Mode Door Close** → ON when passenger sliding door is closed.
- **Input Test Mode Door Open** → ON when passenger sliding door is all the way open.
- **Input Test Mode Kneel Sw** → ON when Dash Kneel On/Off switch is on.
- **Input Test Mode Kneel Down** → ON when kneeler is all the way down (knelt).
- **Input Test Mode Kneel Up** → ON when kneeler is all the way up (normal).
- **Input Test Mode Ramp Down** → ON when ramp is all the way out.

For information about OTC Interface and how to use the Debugger, please refer to 'One Touch System - v8.0 Advanced Interace' section. Remember, in Input Test Mode, double beeps indicate the switch is on or activated and single beeps indicate that it is not. Also refer to the 'One Touch System - Relay Board Troubleshooting' for more information about the Relay Board, its Overide Switches and LED Indicator Lights.

Code	Description - What Caused the Code
Error 1 - Battery Low Error	Everytime before the OTC cycles, it checks the Main Battery's voltage. If reading is below the value set in the OTC Setup, the OTC will continue to operate, but will indicate a low battery warning. The default value is 11.5 volts.
Diagnostic Tests	**More Information**
Perform a Draw Test Follow instuctions in 'Battery Information - Draw Test Procedure' Section	Rollx Vans recommends starting your van every 4-5 days, allow it to run 15-20 minutes to keep the battery at a sufficient state of charge.
	A timer is included on the OTC that will shut it off after 5 minutes UNLESS in Setup Mode. Update OTC if needed.

Code	Description - What Caused the Code
Error 11 - Door Control Error	Door Control Output failure (The OTC did not successfully control the door to open or close). The OTC did not receive the signal that the door came off the OEM Door Ajar Switch when opening or did not receive the signal that the door came off the Rollx Vans Door Open Switch when closing. Once the OTC sends the signal to open the door, it waits about 2 seconds to see if the Door Ajar Switch is not activated. If the Door Ajar Switch is still active, this message will appear.
Diagnostic Tests	**More Information**
Output Test Place OTC in Debug - Output Test Mode to verify OTC operates the door correctly by sending signal to OEM B-Pillar Switch and/or OEM Front Passenger Door Unlock Switch. 1) Check Door Open. 2) Check Door Close. 3) Check Door Unlock. 4) Check Ramp Enable. This closes a relay on the OTC Relay Board that enables the ramp to run (prevents the ramp from running if the door is not open, door open enables ramp enable).	**OEM B-Pillar Switch / Door On/Off** If off, the OEM Overhead Power Sliding Door On/Off Switch will prevent the door from operating from the OEM B-Pillar Switch. The OTC uses this switch to open or close the door. When off, the OTC can not control the door. Make sure the switch is on and try hitting the OEM B-Pillar switch. If the door still does not work, likely an OEM issue. If OEM function works, but OTC does not check wiring.
Input Test Place OTC in Debug - Input Test Mode to verify limits operate correctly. 1) Check Door Open (Rollx Vans Door Open Switch), by opening door all the way in Door Open. 2) Check Door Close (OEM Door Ajar Switch), by close door all the way in Door Close. Rollx Vans taps into OEM Door Ajar Switch in Lower B-Pillar (See OTC Wiring for more information).	**Door Unlock Switch** Door must be unlocked to open. First try OEM Unlock Switch in Passenger Front Door. The OTC uses this switch to unlock all the doors before an Door Open Command is sent. If OEM Switch does not unlock doors, likely an OEM issue. If OEM functions, but OTC does not check wiring.
	Door Ajar Switch If the OEM Door Ajar Switch is not deactivated within 2 seconds of the start of the cycle, Door Control Error will be returned.

Code	Description - What Caused the Code
Error 18 - Ramp Obstacle Detection Error	OTC detected that the ramp may have hit an obstruction on the in or out cycle. The OTC detects an obstruction by measuring the current generated from the ramp motor. The obstruction could be something in the way or a Ramp Limit is not recognized. If this current exceeds the set limit in the OTC Setup (default is 5, scale is 1-10 with 1 being the most sensative)
Diagnostic Tests	**More Information**
Check Error Log for multiple Obstactle Detection Errors. If there are many, raise the level in Setup.	Setup - OB Detect Level (default is 5, scale is 1-10 with 1 being the most sensative)
Input Test Place OTC in Debug - Input Test Mode to verify limits operate correctly. 1) Check Ramp Up [Limit Switch] by operating the ramp with Power Overide Switch (ITF Ramp) or manually raising (Folding Ramp). 2) Check Ramp Down [Limit Switch] by operating the ramp with Power Overide Switch (ITF Ramp) or manually raising (Folding Ramp).	If a Ramp Limit Switch fails, the Obstacle Detection should activate and cause an error. If the Obstacle Detection does not activate, the Ramp Watchdog Timer should. This will also cause an error (Error 27) and end the cycle.

Code	Description - What Caused the Code
Error 23 - Neutral Status Error	Everytime before the OTC cycles, it checks to make sure the van is in Park. This is for safety and can not be changed.
Diagnostic Tests	**More Information**
Input Test Place OTC in Debug - Input Test Mode to verify OTC recognizes if the van is in Park correctly 1) Check Neutral by placing the van in and out of Park and listening for the double beeps from the debugger.	Refer to Important Item Information or OTC Wiring Diagram for more information about where Rollx Vans gets this signal.

Code	Description - What Caused the Code
Error 25 - Emergency Stop Error	Anytime a Rollx Vans User or Remote Button is pressed during an open or close cycle, the system will stop immediately. If a Hard Wired User Button is held down long enough, the OTC will think it has been pressed twice and thus, cause an error.
Diagnostic Tests	**More Information**
Operate User Button to verify working correctly.	This is a safety feature and can not be changed.

Code	Description - What Caused the Code
Error 27 - Ramp Watchdog Error	Once the OTC sends the signal to start running the ramp motor in or out, a timer starts. If enough time passes before the proper limit switch is activated at the end of the cycle, the OTC will return this error. This is a safety feature to limit power to the motor in case of mulitple failures.
Diagnostic Tests	**More Information**
Operate the In-The-Floor ramp with Power Overide to help determine if motor and ramp are functioning correctly.	Not available on Folding Ramps.
Output Test Place OTC in Debug - Output Test Mode to verify OTC operates the ramp motor correctly. 1) Check Ramp Open. 2) Check Ramp Close.	Several factors such as low battery, cold weather or debris can prevent the motor from operating correctly. If low battery, very cold or a bad motor, the motor may run too slow causing this watchdog to activate. Debris can also prevent the motor or ramp operating at correct speed, also causing this error.
Input Test Place OTC in Debug - Input Test Mode to verify limits operate correctly. 1) Check Ramp Up [Limit Switch] by operating the ramp with Power Overide Switch (ITF Ramp) or manually raising (Folding Ramp). 2) Check Ramp Down [Limit Switch] by operating the ramp with Power Overide Switch (ITF Ramp) or manually raising (Folding Ramp).	If a Ramp Limit Switch fails, the Obstacle Detection should activate and cause an error (Error 18). If the Obstacle Detection does not activate, the Ramp Watchdog Timer should. This will also cause an error. If OTC Debug Output Test does not activate the motor being tested, try the overides located on the OTC Relay Board. This will inidicate a communication problem between the One Touch Controller and One Touch Relay Board.

Code	Description - What Caused the Code
Error 28 - Door Watchdog Error	Once the OTC sends the signal to operate the OEM Door, a timer starts. If enough time passes before the proper limit switch is activated at the end of the cycle, the OTC will return this error.
Diagnostic Tests	**More Information**
Operate the OEM Door with the OEM B-Pillar Switch to determine of OEM Door is functioning properly.	If OEM B-Pillar Switch is not working, try the OEM Overhead Door Switch and make sure the OEM Overhead Door On/Off Switch is on.
Input Test Place OTC in Debug - Input Test Mode to verify limits operate correctly. 1) Check Door Open (Rollx Vans Door Open Switch), by opening door all the way in Door Open. 2) Check Door Close (OEM Door Ajar Switch), by close door all the way in Door Close. Rollx Vans taps into OEM Door Ajar Switch in Lower B-Pillar (See OTC Wiring for more information).	If Door Limits function correctly and door cycles open and close okay, the issue is with the door taking too long to open or close. Check alignment or motor.
Output Test Place OTC in Debug - Output Test Mode to verify OTC operates the door correctly by sending signal to OEM B-Pillar Switch and/or OEM Front Passenger Door Unlock Switch. 1) Check Door Open. 2) Check Door Close.	If an Output is an issue, the Door Control Error (Error 11) will likely display.

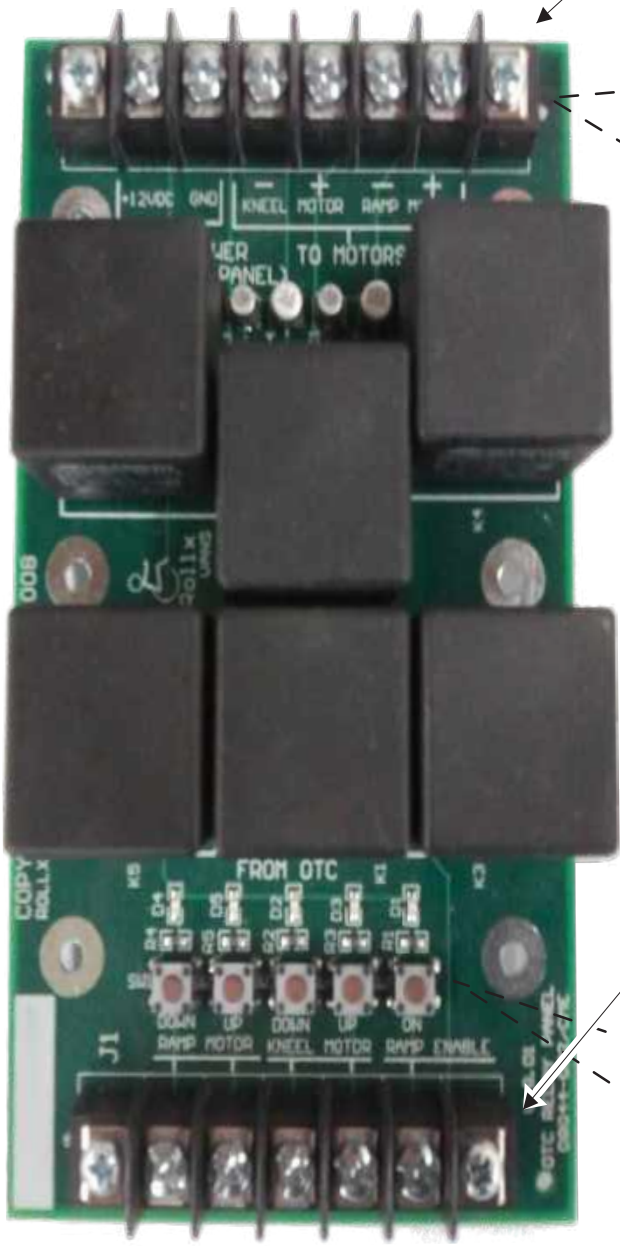
Code	Description - What Caused the Code
Error 29 - Kneeler Watchdog Error	Once the OTC sends the signal to operate the Kneeler, a timer starts. If enough time passes before the proper limit switch is activated at the end of the cycle, the OTC will return this error.
Diagnostic Tests	**More Information**
Operate the Kneeler with Power Overide to help determine if motor is functioning correctly.	Reset - Esc - Kneel Up/Kneel Down
Input Test Place OTC in Debug - Input Test Mode to verify limits operate correctly. 1) Check Kneel Up [Limit Switch], by raising Kneeler until switch is activated or activate switch by hand. 2) Check Kneel Down [Limit Switch], by Lowering Kneeler until switch is activated or activate switch by hand.	Testing with Power Overide is preferreed since it will incidicate if Limit Switch is being properly activated by Actuator's Guide. When Kneel Actuator reaches its run limit, it will begin to ratchet making a terrible sound. This is simply the motor's clutch mechanism, is not damaging but should try and be minimized.
Output Test Place OTC in Debug - Output Test Mode to verify OTC operates the Kneeler correctly. 1) Check Kneel Up. 2) Check Kneel Down.	If OTC Debug Output Test does not activate the motor being tested, try the overides located on the OTC Relay Board. This will inidicate a communication problem between the One Touch Controller and One Touch Relay Board. Also a low battery, bad motor or cold weather causing the motor to run very slowly can return this error.

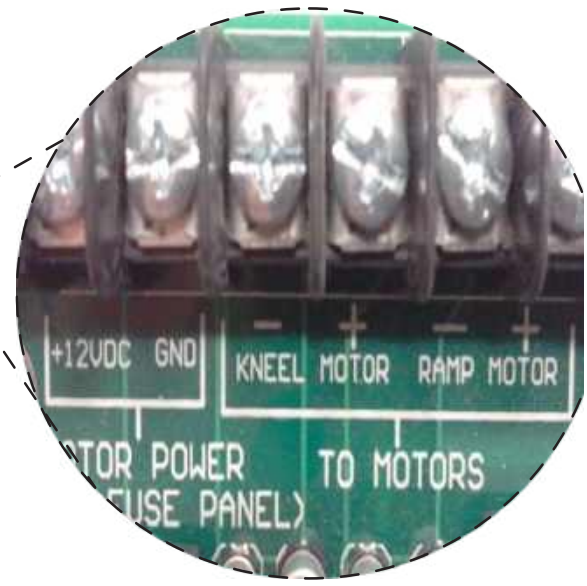
Code	Description - What Caused the Code
Error 33 - Door Ajar Error	The OTC will not run a Cycle if the door is Ajar (Not fully opened or closed). If Ramp deployed, open door fully. If ramp stowed, fully close and latch door.
Diagnostic Tests	**More Information**
Operate the OEM Door with the OEM B-Pillar Switch to determine of OEM Door is functioning properly.	If OEM B-Pillar Switch is not working, try the OEM Overhead Door Switch and make sure the OEM Overhead Door On/Off Switch is on.
Input Test Place OTC in Debug - Input Test Mode to verify limits operate correctly. 1) Check Door Open (Rollx Vans Door Open Switch), by opening door all the way in Door Open. 2) Check Door Close (OEM Door Ajar Switch), by close door all the way in Door Close. Rollx Vans taps into OEM Door Ajar Switch in Lower B-Pillar (See OTC Wiring for more information).	

RELAY BD OTC VERSION 2
P.N. 08044-003
ORDER #OTCV8 RELAY BD

OUTPUTS

Run to the Kneeler and Ramp Motors

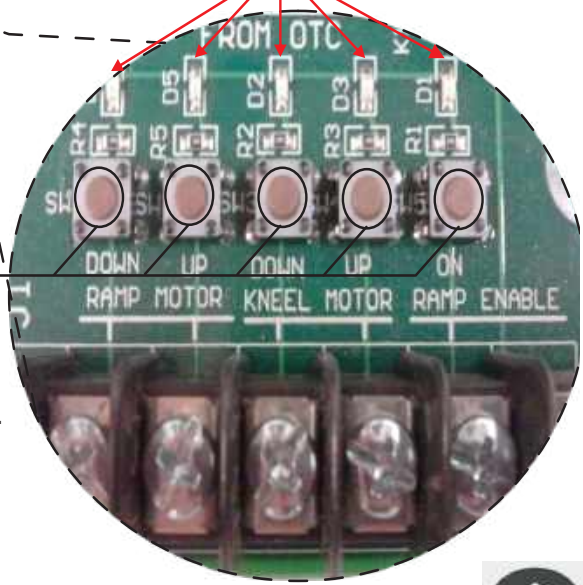




INPUTS

Run from the OTC Control Board

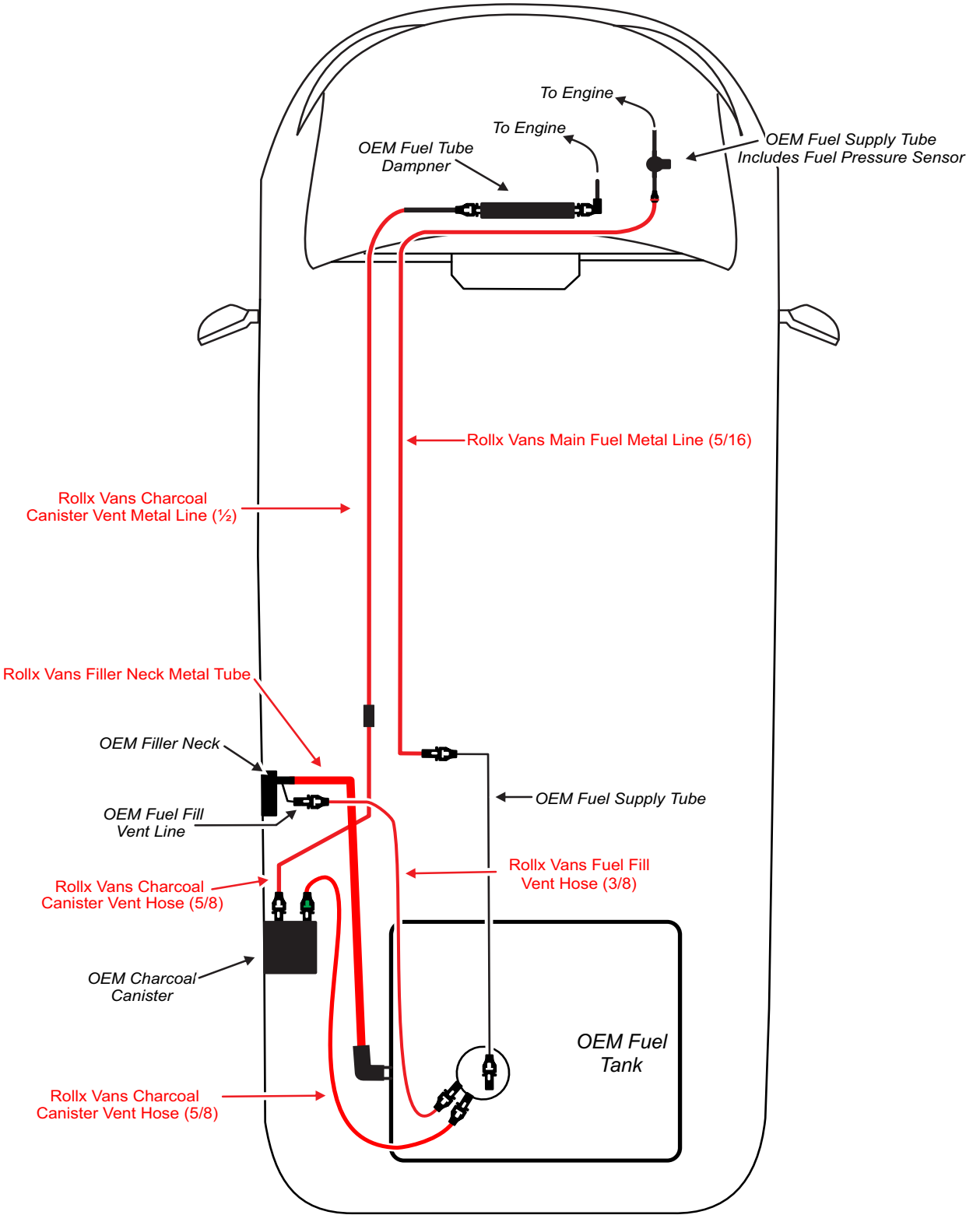
LED Indicator Lights

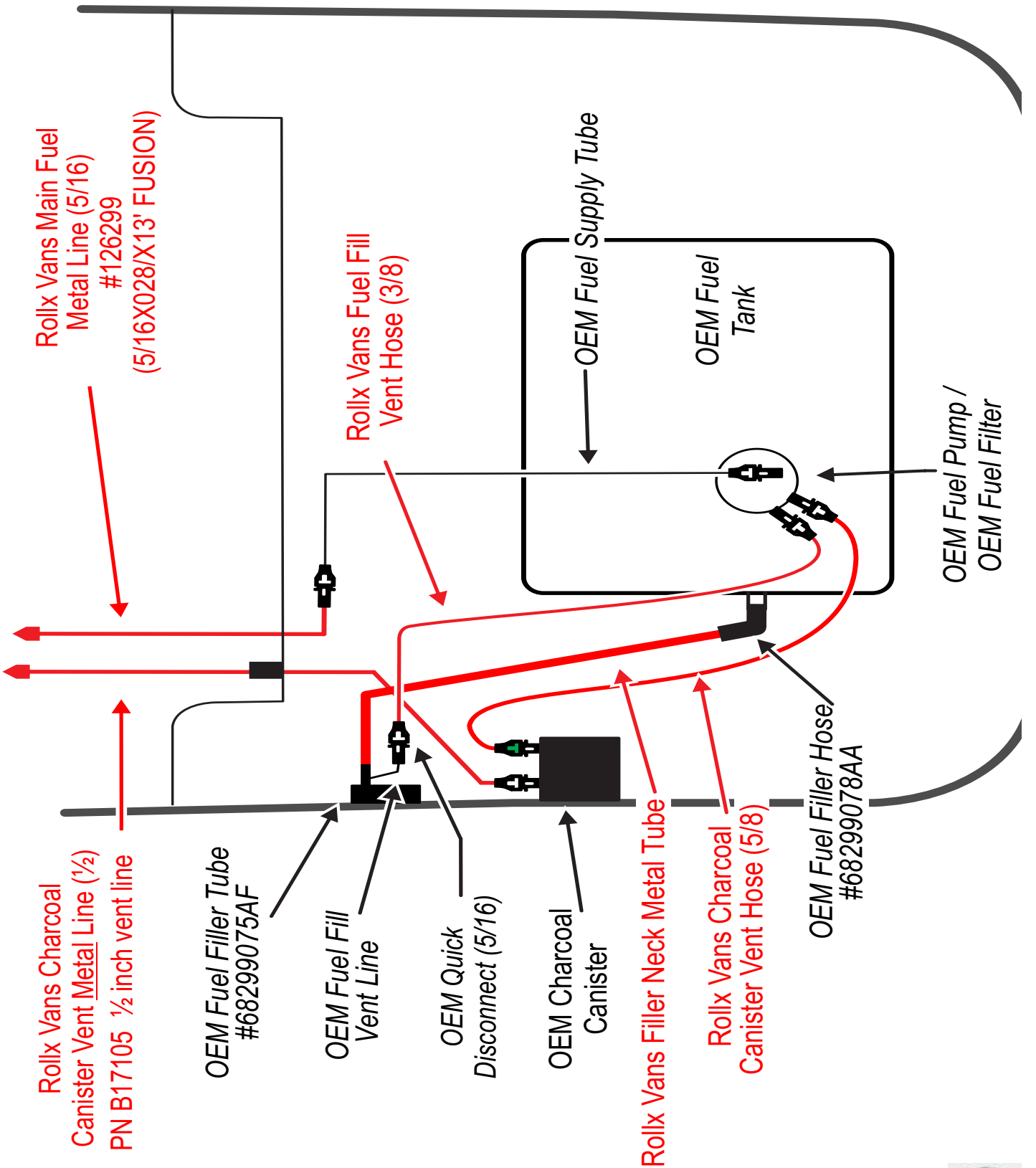


Manual push button test switches

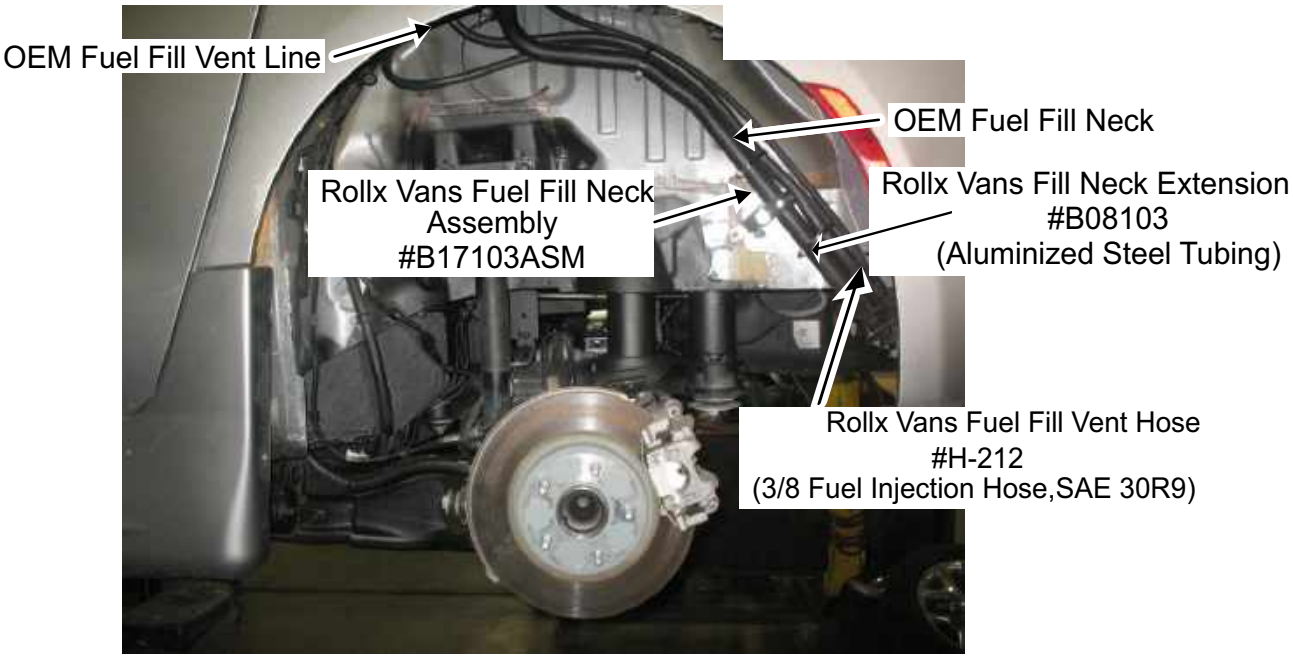
*Pressing the switches should operate each function as shown on the board as long as the board is working properly. Remember, in order to run the ramp, the Ramp Enable must also be pressed at the same time. Pressing a switch is the same as sending a ground to the terminal.

Chrysler Pacifica (3.6L Pentastar) EVAP/ORVR Family HCRXR0140RPO (lev 3)
Rollx Vans Fuel / Emission System Overview





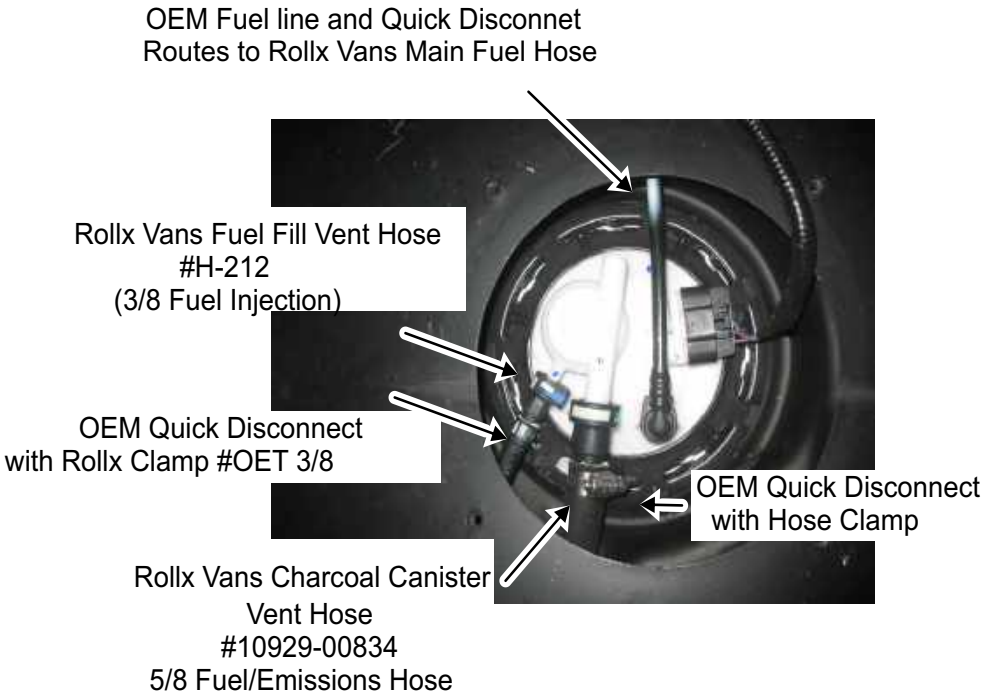
PACIFICA FUEL FILL LINE



Rollx Vans welds a Fill Neck Extension onto OEM Fuel Fill Neck to extend the OEM Fuel Fill Neck to the OEM Fill Neck Hose that attaches to the tank. The Rollx Vans part number is #B17103ASM that includes the OEM Fuel Fill Neck welded to the Rollx Vans Fill Neck Extension. The modified filler neck is smoke tested for possible pin hole leaks.

Rollx Vans attaches a Fuel Fill Vent Hose that begins at the gas tank to the OEM Fuel Fill Vent Line with a 9/16 clamp. This hose and the filler neck tube are routed underneath the frame to the OEM tank.

OEM Tank Connection



Rollx Vans reuses the OEM Gas Tank.

Rollx Vans replaces OEM Fuel Fill Vent Hose with Rollx Vans Fuel Fill Vent Hose that runs to OEM Fuel Vent Line near Filler Neck top (Gas Cap).

Rollx Vans replaces OEM Charcoal Canister Vent Hose with a Rollx Vans Charcoal Canister Vent Hose that runs to OEM Charcoal Canister. Rollx Vans does not modify the OEM Charcoal Canister or its mounting.

Rollx Vans replaces OEM Main Fuel Hose with a Rollx Vans Main Fuel Hose that runs to Rollx Vans Main Fuel Metal Line where it is attached to the flared metal line with the OEM Quick Disconnect.

OEM Filler Neck and Charcoal Canister

PACIFICA FUEL LINE

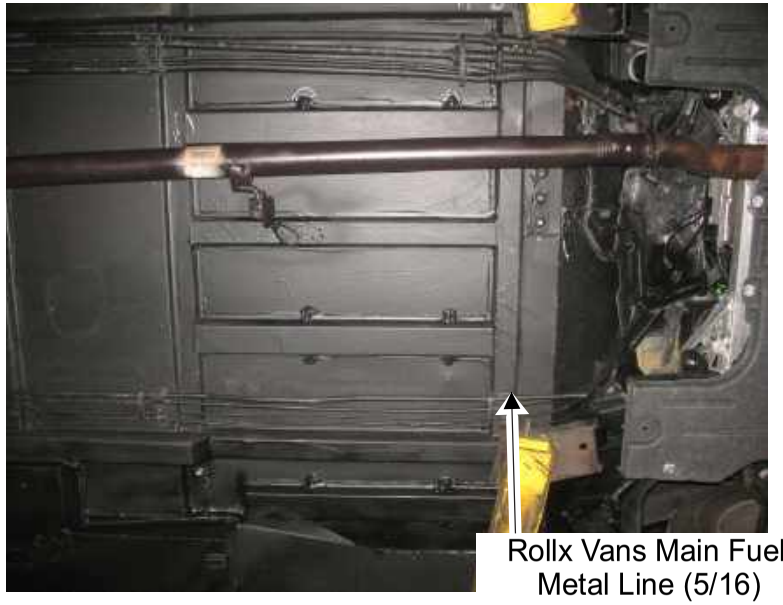
A) Rollx Vans runs the Main Fuel Metal Line (5/16) under the driver side of the van using P-Clamps to secure.

B) The Rollx Vans Main Fuel Metal Line (5/16) is routed up the rear z, flared and attached to OEM Quick Disconnect.

C) The Rollx Vans Main Fuel Metal Line (5/16) is routed up under the engine compartment, flared and attached to OEM Quick Disconnect.

D) The OEM connectors are used in conjunction with a fuel hose and oetiker clamps for a fuel line from the main line to the engine.

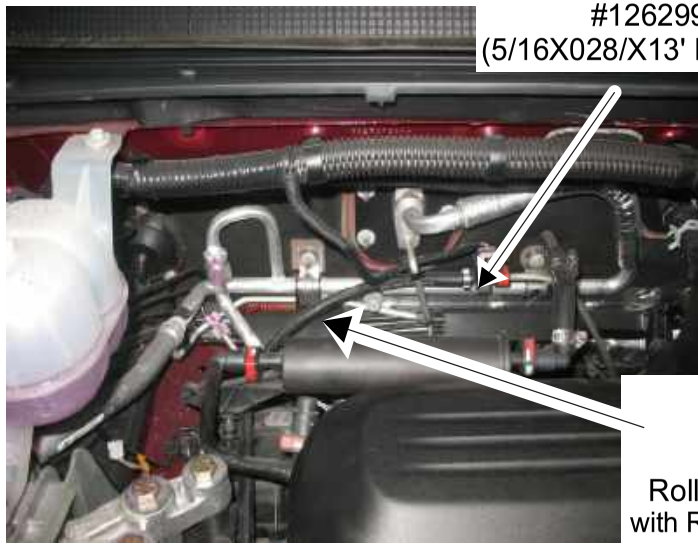
A



Rollx Vans Main Fuel
Metal Line (5/16)
#126299
(5/16X028/X13' FUSION)

B

C



D

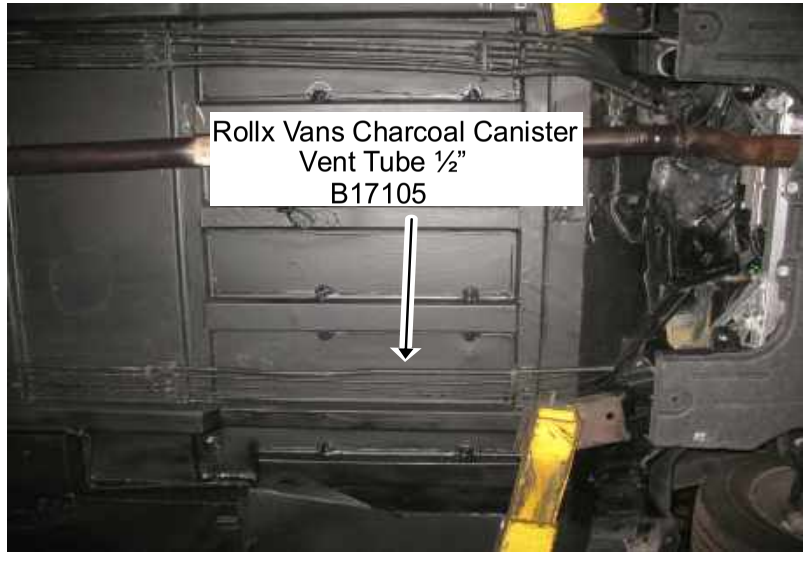
Rollx Vans Engine Fuel
5/16 rubber hose
With OEM connectors
Rollx Vans part number b17107
with Rollx Vans Clamp #OET 1315 (5/16)

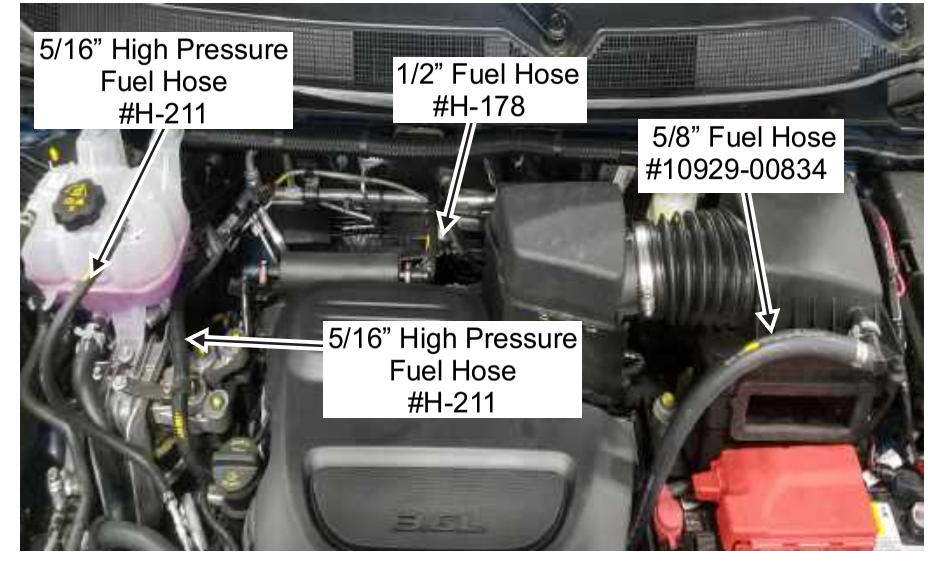
2017 PACIFICA VENT LINE

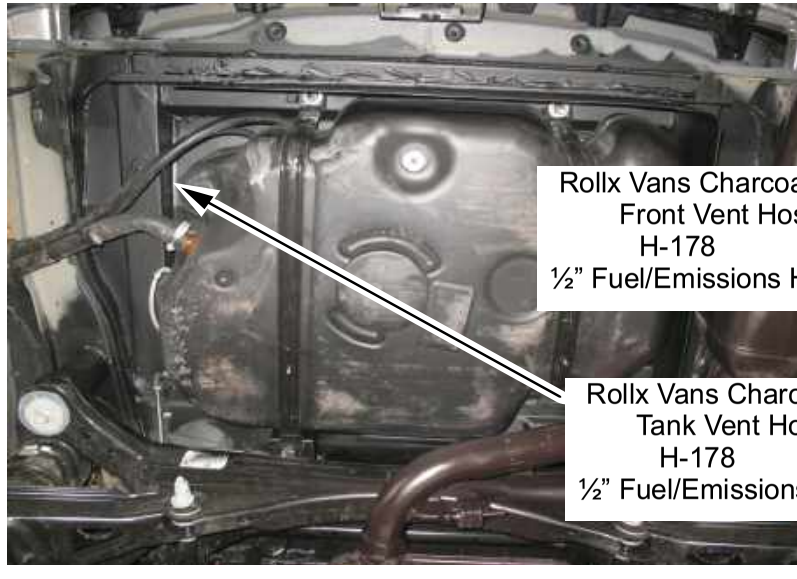
A) Rollx Vans runs the Canister Vent Metal Line (½") under the passenger side of the van using P-Clamps to secure.

B) The Rollx Vans Canister Vent Metal Line (½") is routed up under the engine compartment, flared and attached to OEM Quick Disconnect

C) The Rollx Vans Canister Vent Metal Line (½") is routed up the rear z, flared and attached to OEM Quick Disconnect.







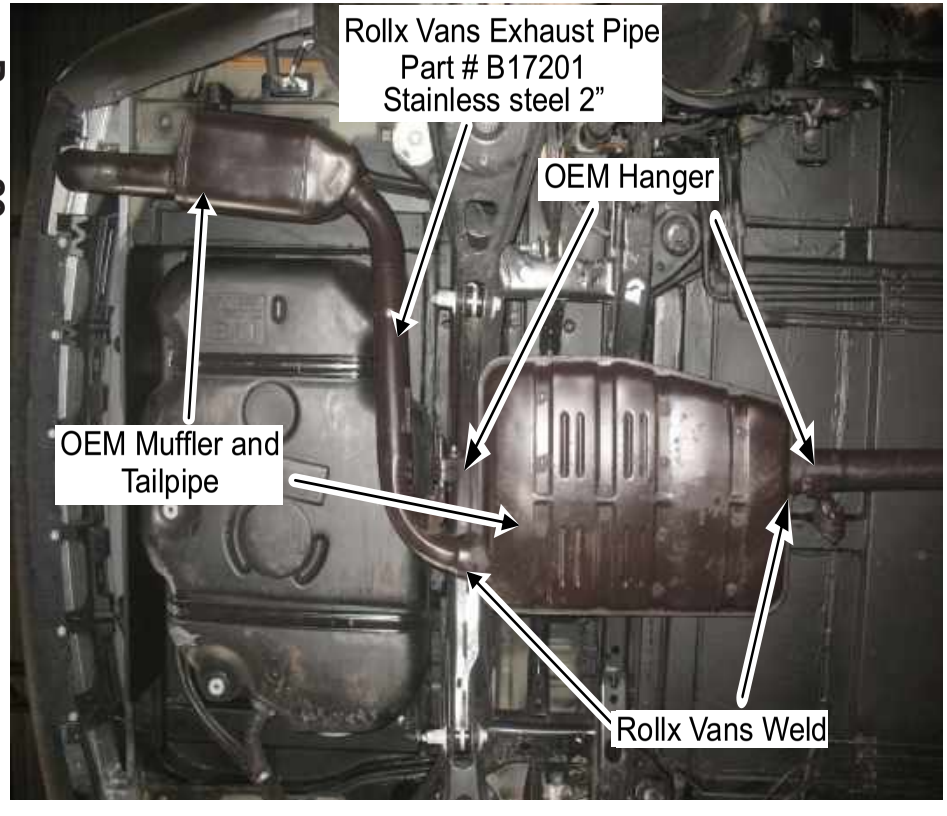
PACIFICA EXHAUST

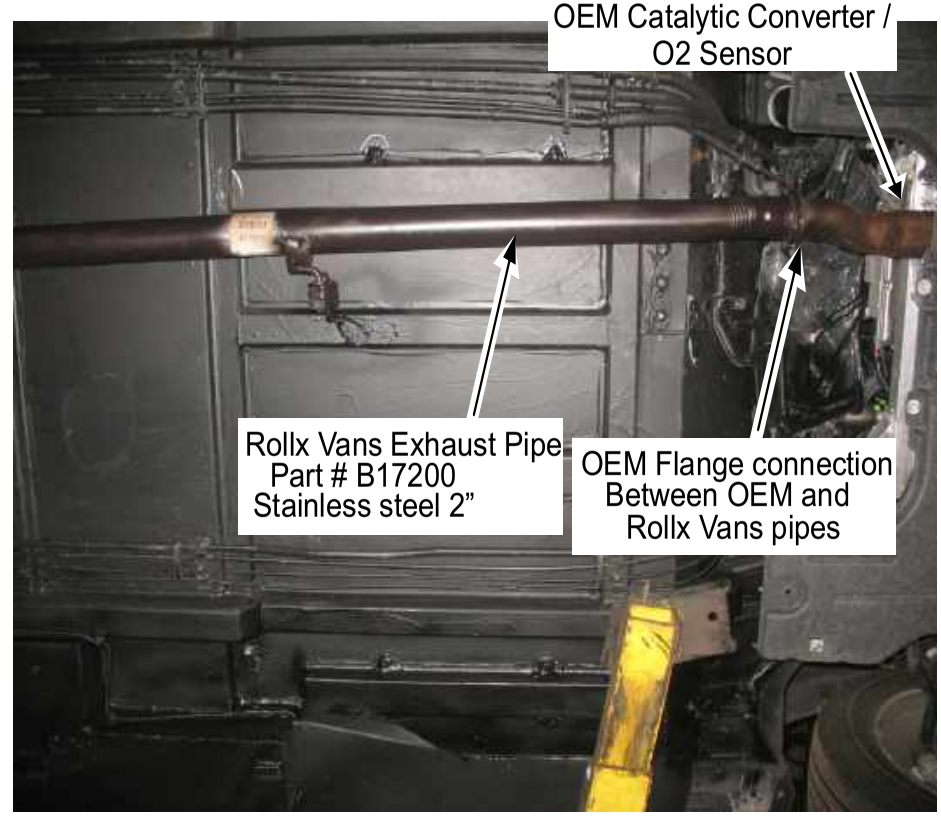
Rollx Vans Exhaust continues over the rear axle and is welded to the OEM Muffler and Tailpipe.

Rollx Vans eliminates the OEM Resonator.

Rollx Vans begins their exhaust from the OEM Catalytic Converter (Rollx Vans does not modify the OEM Catalytic Converter or OEM 02 Sensor). Rollx Vans Exhaust is welded to the OEM Catalytic Converter and runs down the passenger side of the van.

Rollx Vans reuses the OEM Hangers to support the exhaust. Rollx Vans Exhaust pipe is 2-1/4 inch diameter aluminized tubing and replaces the OEM 2-1/2 inch tubing.





Power Rear Sofa Operations & Modifications

Operation:

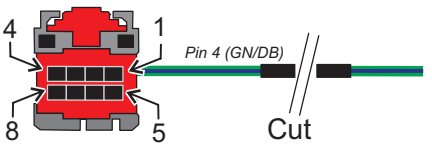
Due to the conversion process the rear sofa *STOW* feature is no longer operational. The *RECLINE* function is still fully operational.
To adjust the rear sofa back position, use the switches located on the passenger side rear D-Pillar switch bank, or the switches located on either side of the rear trim panels.

Power Folding Seat D-Pillar Switch

Right & Left Recline Switch

Wiring Modifications:

D-Pillar Switch



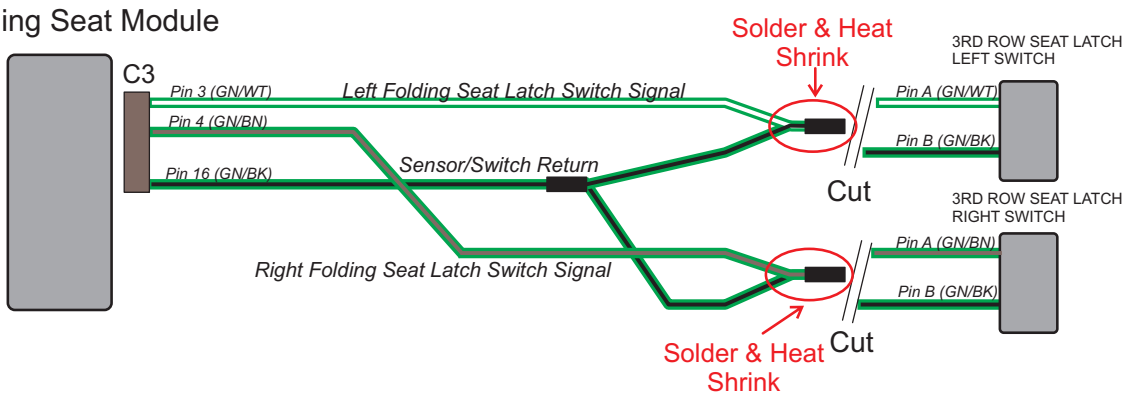
D-Pillar Switch

Pin	Wire Color	Guage	Function
2	GN/YE	.35	Folding Seat Select Switch Mux Signal
3	GN/BG	.35	Folding Seat Recliner Switch Mux Signal
4	GN/DB	.35	Folding Seat Normal/Stow Switch Mux Signal (ELIMINATED)
5	GN/BK	.35	Sensor/Switch Return

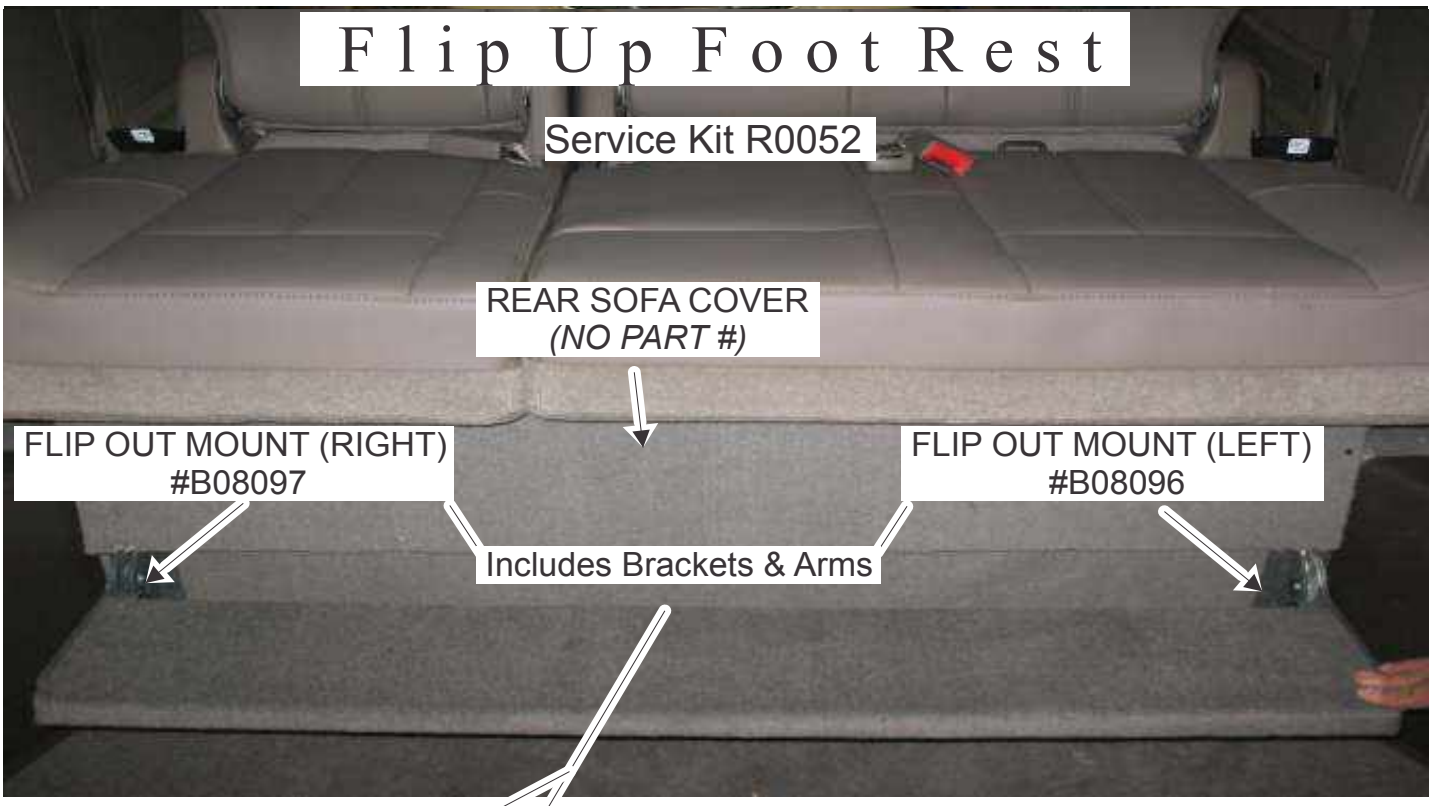
Seat Latch Switches Under Seat

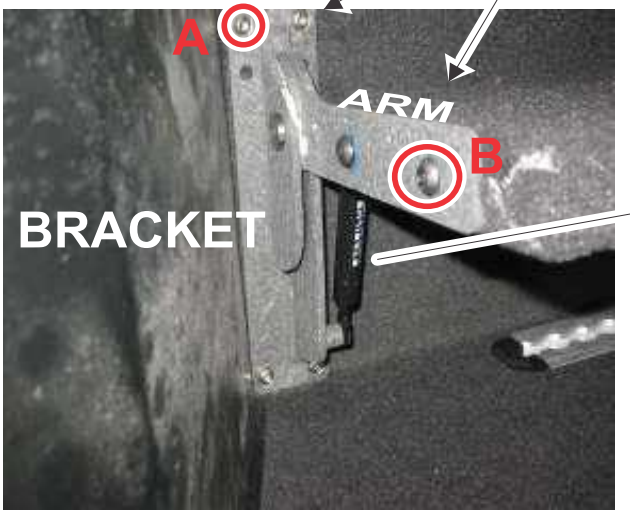
On both rear sofa seats the *Folding Seat Latch Switches* are removed.
The *Folding Seat Latch Switch Signals are then shorted to the Sensor/Switch Return Circuit.*

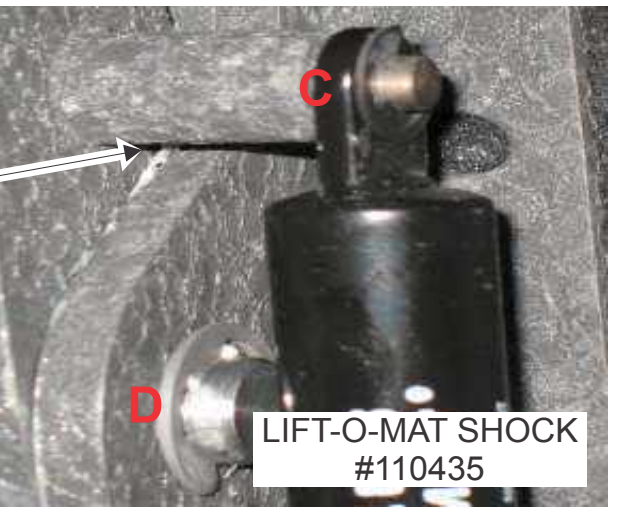
Folding Seat Module



Flip Up Foot Rest



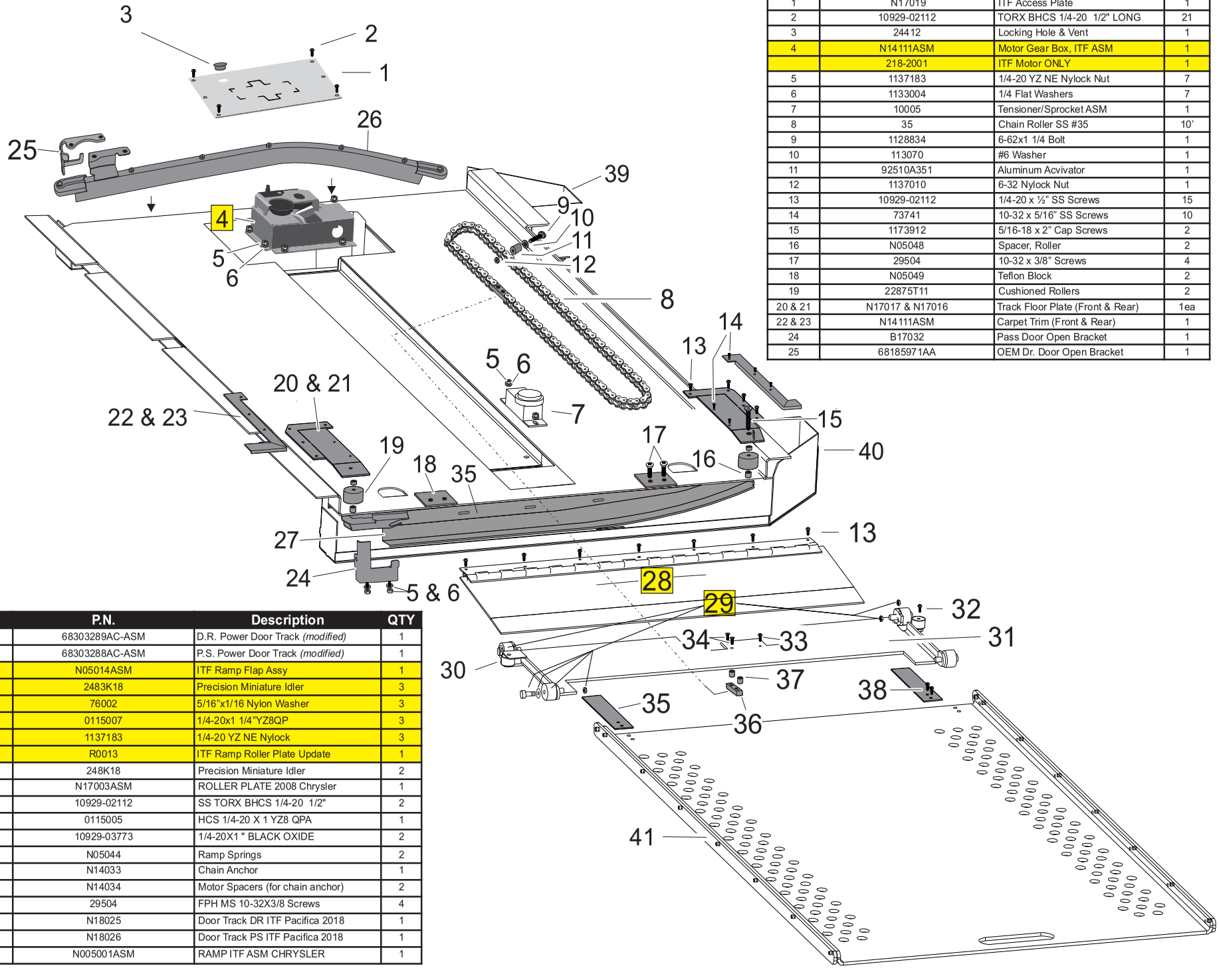




MOUNTING HARDWARE

ITEM	P.N.	DESCRIPTION	QTY
A	10929-02112	1/4 - 20 X ½ TORX BOLT	8
B	173780	5/16 - 18 X 1 ALLEN BOLT	4
C	1168077	1/4 E CLIP	2
D	1168081	½ E CLIP	2

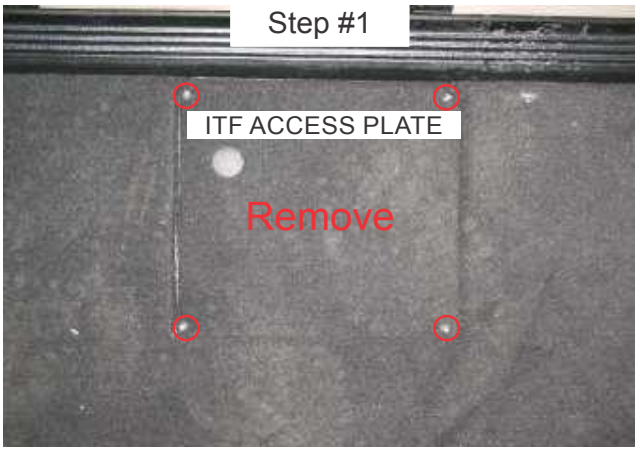
This page was intentionally left blank



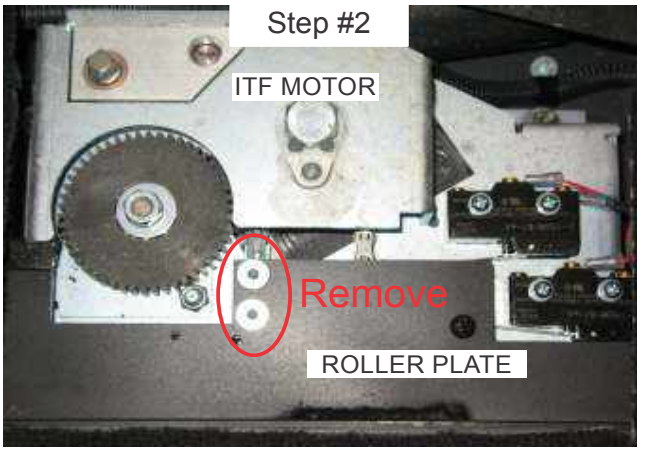
Item	P.N.	Description	QTY
1	N17019	ITF Access Plate	1
2	10929-02112	TORX BHCS 1/4-20 1/2" LONG	21
3	24412	Locking Hole & Vent	1
4	N14111ASM	Motor Gear Box, ITF ASM	1
	218-2001	ITF Motor ONLY	1
5	1137183	1/4-20 YZ NE Nylock Nut	7
6	1133004	1/4 Flat Washers	7
7	10005	Tensioner/Sprocket ASM	1
8	35	Chain Roller SS #35	10'
9	1128834	6-62x1 1/4 Bolt	1
10	113070	#6 Washer	1
11	92510A351	Aluminum Acvivator	1
12	1137010	6-32 Nylock Nut	1
13	10929-02112	1/4-20 x ½" SS Screws	15
14	73741	10-32 x 5/16" SS Screws	10
15	1173912	5/16-18 x 2" Cap Screws	2
16	N05048	Spacer, Roller	2
17	29504	10-32 x 3/8" Screws	4
18	N05049	Teflon Block	2
19	22875T11	Cushioned Rollers	2
20 & 21	N17017 & N17016	Track Floor Plate (Front & Rear)	1ea
22 & 23	N14111ASM	Carpet Trim (Front & Rear)	1
24	B17032	Pass Door Open Bracket	1
25	68185971AA	OEM Dr. Door Open Bracket	1

Item	P.N.	Description	QTY
26	68303289AC-ASM	D.R. Power Door Track *(modified)*	1
27	68303288AC-ASM	P.S. Power Door Track *(modified)*	1
28	N05014ASM	ITF Ramp Flap Assy	1
	2483K18	Precision Miniature Idler	3
	76002	5/16"x1/16 Nylon Washer	3
	0115007	1/4-20x1 1/4"YZ8QP	3
	1137183	1/4-20 YZ NE Nylock	3
29	R0013	ITF Ramp Roller Plate Update	1
30	248K18	Precision Miniature Idler	2
31	N17003ASM	ROLLER PLATE 2008 Chrysler	1
32	10929-02112	SS TORX BHCS 1/4-20 1/2"	2
33	0115005	HCS 1/4-20 X 1 YZ8 QPA	1
34	10929-03773	1/4-20X1 " BLACK OXIDE	2
35	N05044	Ramp Springs	2
36	N14033	Chain Anchor	1
37	N14034	Motor Spacers (for chain anchor)	2
38	29504	FPH MS 10-32X3/8 Screws	4
39	N18025	Door Track DR ITF Pacifica 2018	1
40	N18026	Door Track PS ITF Pacifica 2018	1
41	N005001ASM	RAMP ITF ASM CHRYSLER	1

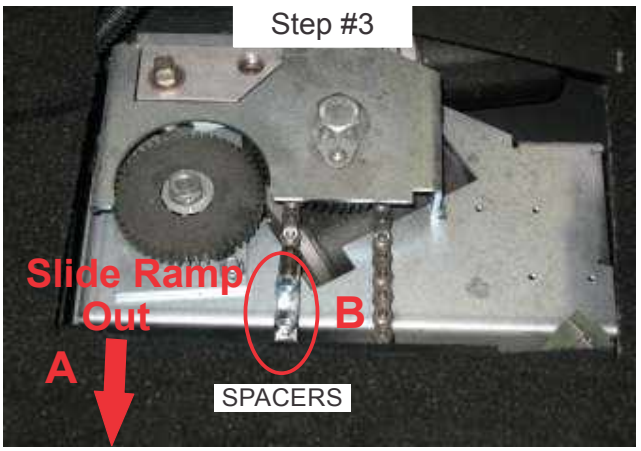
ITF Ramp Motor Removal



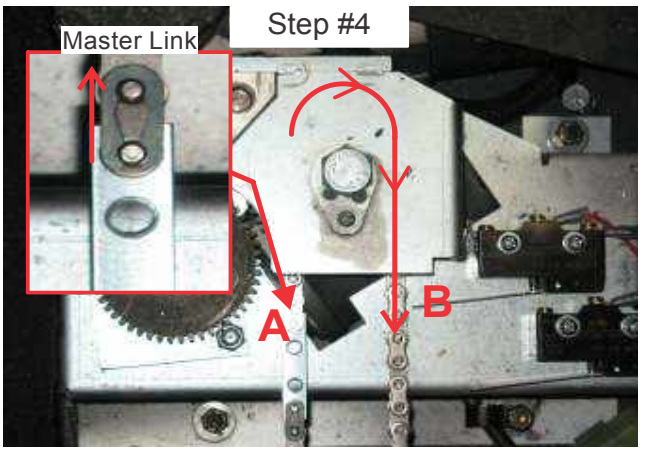
** With the ramp in and passenger slider door open.
A) Remove the 4 bolts securing the ITF motor access plate using: **T27 torx bit.**



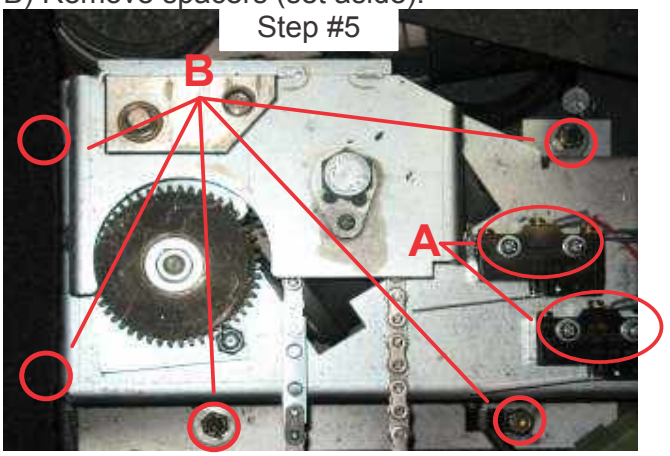
A) Remove the 2 allen bolts that attach the roller plate to the chain anchor using a **5/32" allen bit.**



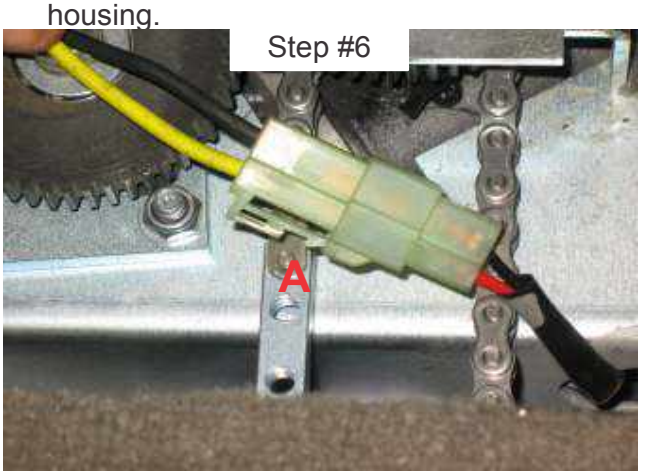
A) Lift up on the roller plate and slide the ramp out slightly to gain access to the chain anchor.
B) Remove spacers (set aside).



A) Remove the master link closest to the gear, then disconnect the anchor from the chain.
B) Pull the chain out of the motor housing.



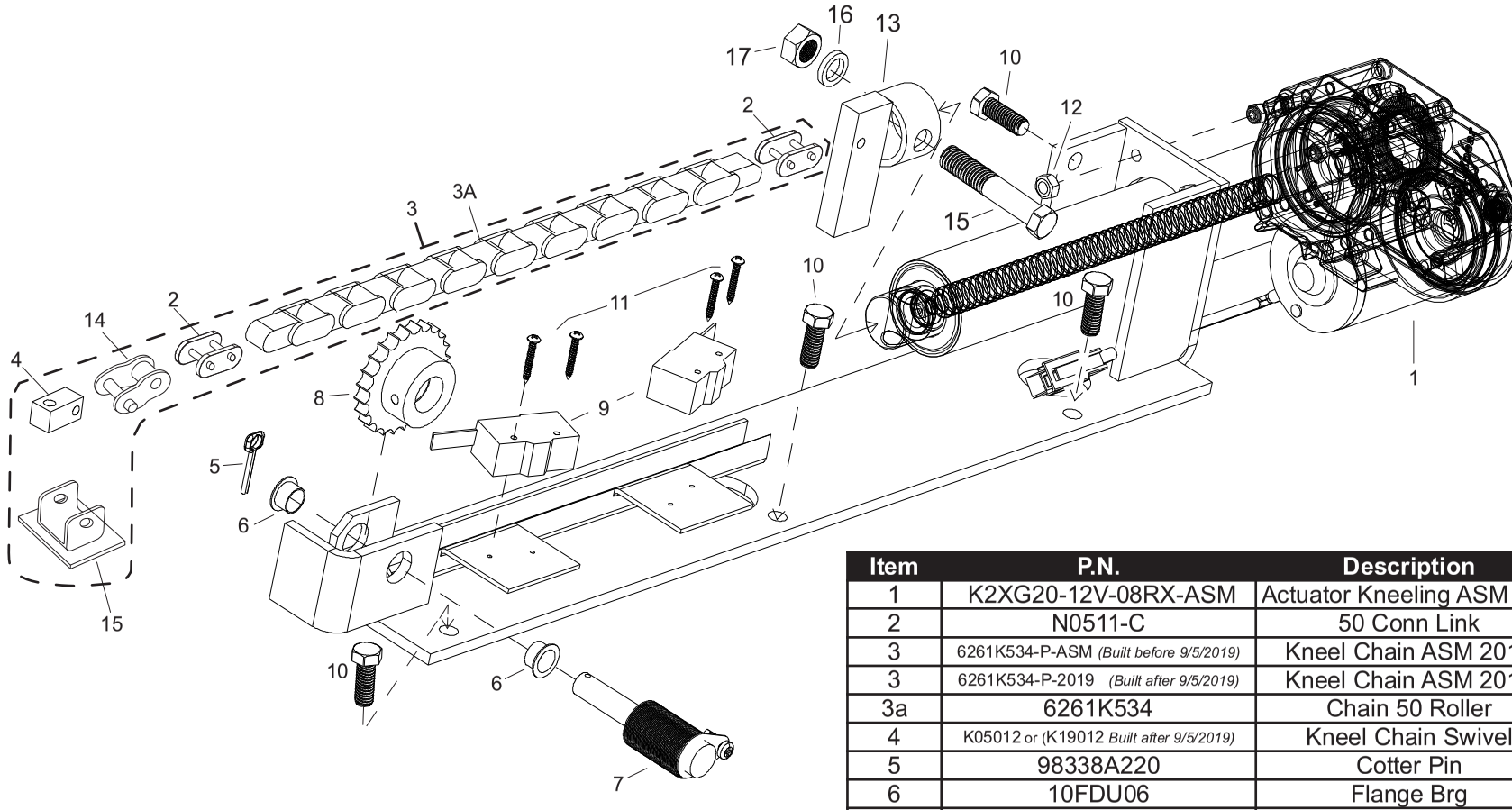
A) Remove the 4 limit switch screws and remove switches from motor housing.
B) Remove the (5) 1/4" mounting nuts for the motor using a 7/16" socket w/ extension.



A) Unplug the connector for the motor and remove motor from van.

*Install new motor in reverse order.

KNEELER ASSEMBLY
#KNEEL 2017 PACIFICA



Item	P.N.	Description	QTY
1	K2XG20-12V-08RX-ASM	Actuator Kneeling ASM	1
2	N0511-C	50 Conn Link	2
3	6261K534-P-ASM *(Built before 9/5/2019)*	Kneel Chain ASM 2017	1
3	6261K534-P-2019 *(Built after 9/5/2019)*	Kneel Chain ASM 2019	1
3a	6261K534	Chain 50 Roller	9.5”
4	K05012 or (K19012 *Built after 9/5/2019)*	Kneel Chain Swivel	1
5	98338A220	Cotter Pin	1
6	10FDU06	Flange Brg	2
7	LTR-075M-6-5ASM	Spring Torsion ASM	1
8	6280K249	Sprocket for #50 Chain	1
9	6X284	Switch Tang BZ-2RW80-A2	2
10	0115105	Bolts HCS 3/8-16 X 1YZ8 QPA	3
11	1128838	Screws PPH MS 6-32 X 1 1/2Z	4
12	1137015	Nuts 10-32 NYLOCK NMZ	4
13	K05006ASM	Actuator Guide ASM	1
14	1400-02580	Offset Link #50	1
15	011521	Bolt ½” - 13 x 2”	1
16	1133895	½” Lock Washer	1
17	1136410	Nut ½” x 13	1
Parts on Van			
15	B08022 + Plate	Kneel Axle Mount	1
	800-0072	Ratchet Reversible	1
	4PW71	3/8” Socket	1

This page was intentionally left blank

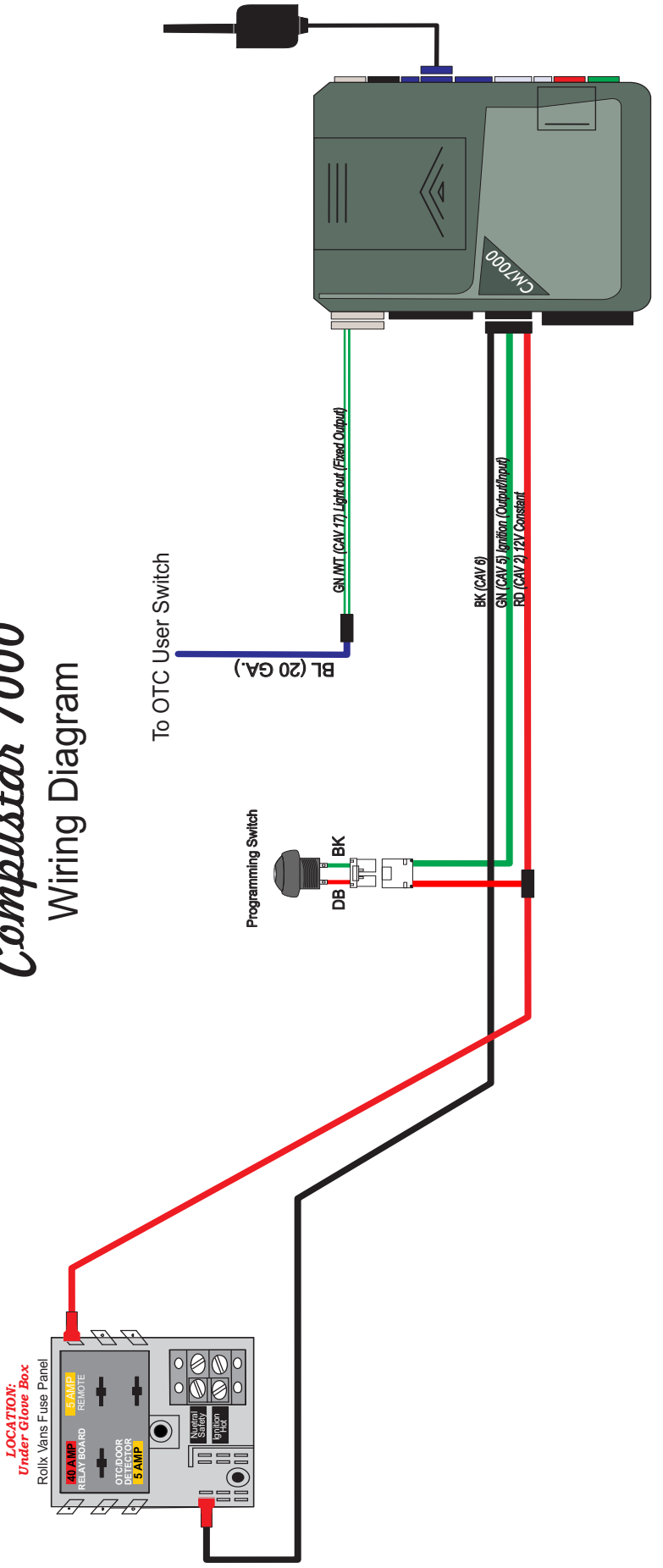
* If remote does not work first try to operate door and ramp from any interior Rollx Vans user button. If interior Rollx Vans user button operates normally, see below for remote system troubleshooting		
Symptom	**Possible Cause**	**Remedy**
Remote does not open the door..	Receiver out of range.	Try remote within 10 feet of van.
	Overhead on/off switch is turned to the OFF position.	Turn switch to ON position.
	Key fob lost programming.	Reprogram the key fobs.
	Blown Fuse.	Replace 5amp fuse located on the OTC Fuse Panel.
	Remote batteries are dead.	Replace batteries.
Remote does not unlock the passenger sliding door.	Settings in the radio are not set correctly.	Change settings to unlock All Doors- Settings > Doors & Locks > Remote Door Unlock; Select "All Doors".
Door opens, ramp starts to come out then stops. Remote is continuously clicking during the open cycle.	Bad Rollxvans By-Pass Board.	Replace Rollxvans By-Pass Board. This problem can be tested by removing the By-Pass Board and running an open cycle without the security set.
Remote locks the doors instead of unlocking the doors.	Faulty diode on the door unlock mux circuit, located behind the passenger's side front door panel.	Replace diode with an SB150-E3/54GICT-ND.
Remote does not disarm the security.	Remote receiver lost programming.	Perform remote programming procedure.
Remote does not disarm the security (after performing the remote programming procedure).	Programming not performed correctly. Or Wrong settings in the interface cartridge or the remote receiver.	Double check the additional settings in the interface cartridge and the remote receiver.
Horn chirps during a closed cycle.	Settings in the radio are set to "Sound horn on 1st press".	Change settings to OFF or 2nd PRESS - Settings >Doors & Locks > Sound horn with lock

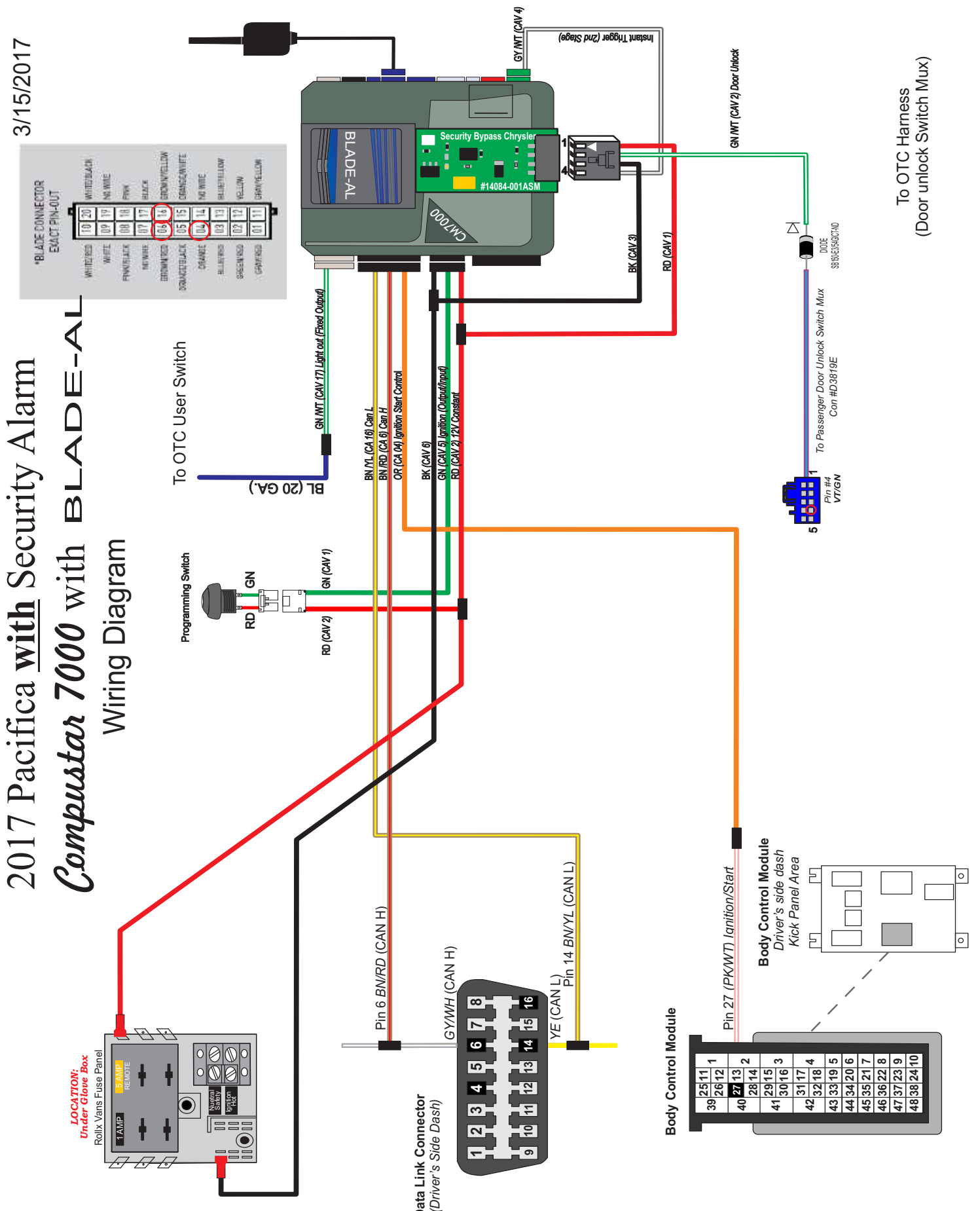
4/17/2018

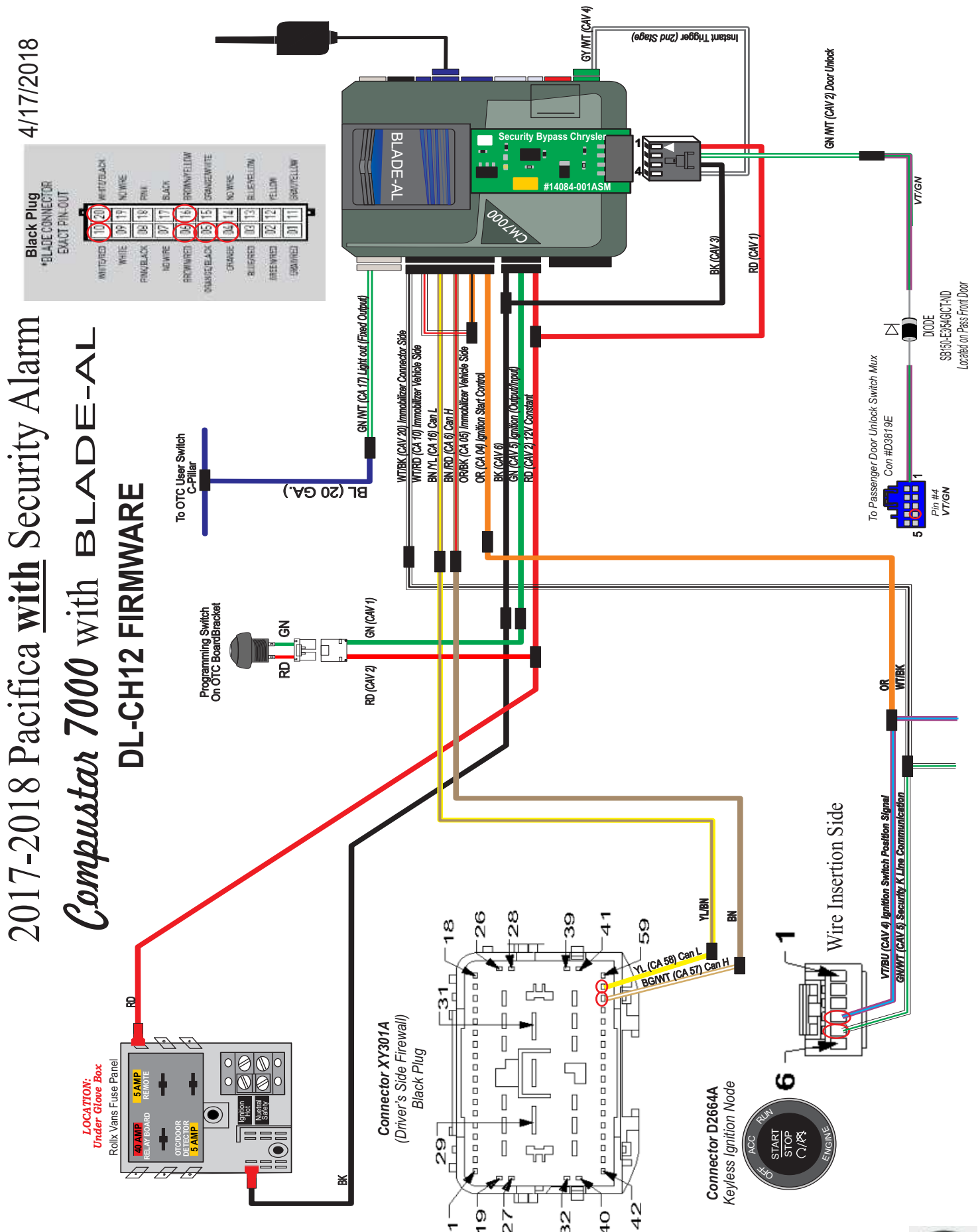
2017-2018 Pacifica **without** Security Alarm

Compustar 7000

Wiring Diagram



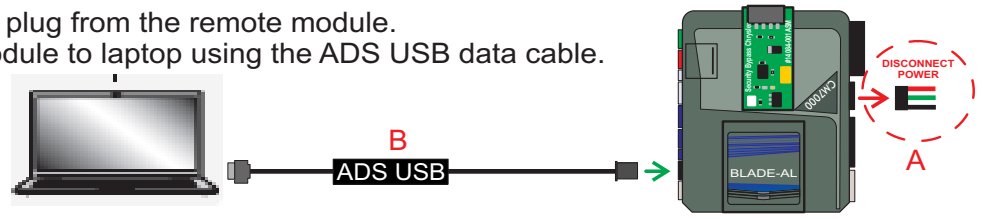




Compustar 7000 Remote W/ Security

Section 1 PROGRAMING PROCEDURE

Step 1 A) Disconnect the power plug from the remote module.
B) Plug in the remote module to laptop using the ADS USB data cable.

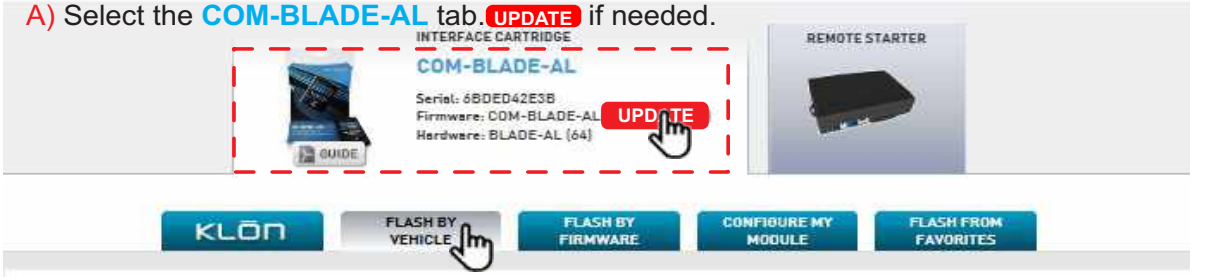


Step 2 A) Log into the *http://compustar.idatalink.com/weblink/*
B) User Name: jhodgkins@rollxvans.com
C) Password: associated

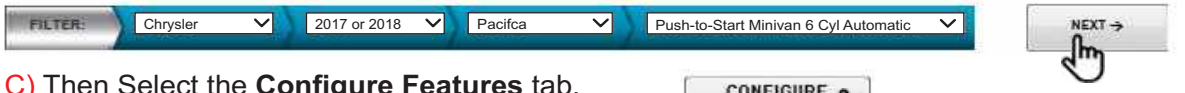
Step 3 A) Select the **REMOTE STARTER TAB** / **CONFIGURE MY STARTER**.

B) In **OPTION GROUP #3**- Change "**Factory Alarm Option**" to **OFF**, then **SAVE NOW**.
C) In **OPTION GROUP #4**- Change "**Auxiliary Input 1 - Green CN**" to **(-) Disarm**, then **SAVE NOW**.

Step 4 A) Select the **COM-BLADE-AL** tab. **UPDATE** if needed.



B) Select "**Flash By Vehicle**", enter the Make/Year/Model/Trim-Click **Next**, Select firmware-Click **Next**.



C) Then Select the **Configure Features** tab.

D) Under the **Feature Selection** tabTurn the following features from ON **to OFF**

*Door Lock — Off
*Door Stat Output — Off
*Trunk Stat Output — Off
*Hood Stat Output — Off

E) Then Under the **Advanced Features** tab select:
"**Force unlock ALL on first press**" (change from NO to **YES**).

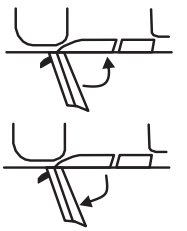
F) **Then go back towards the top and click on** → 

Compustar 7000 Module Programming to Van

Section 2

Step 1 Reconnect power plug to remote module.

Step 2



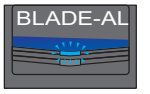
Close driver door.

Re-open driver door to wake up data bus.

Step 3

Press UNLOCK on keyfob.

Step 4



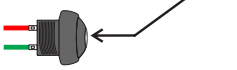
Wait, LED will flash BLUE once.

Step 5

x2

Push start button twice to RUN/START position.

Then **push and hold** the remote programming button next to the OTC.



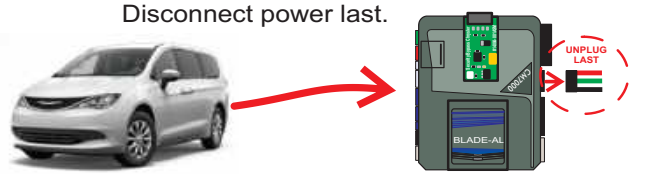
*The LED light turns from RED to a rapidly flashing BLUE.

Step 6

x1

Push start button once to OFF position.

WARNING:
Disconnect module from van.
Disconnect power last.



KLON Proceedure

Step 1 Connect module Laptop using the ADS USB data cable.

Step 2

Select **RE-DETECT** to re-detect the module.

Step 3

A) Select **FLASH BY VEHICLE**
B) Then -Click **PROCEED**.

Compustar 7000 Module Programming to Van

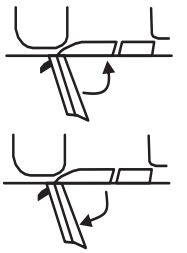
Section 3

(Continued)

Step 1

Reconnect power plug to remote module.

Step 2



Close driver door.

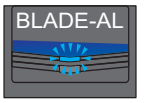
Re-open driver door to wake up data bus.

Step 3

x2

Push start button twice to RUN/START position.

Then **push and hold** the remote programming button next to the OTC.



*Wait, LED will turn solid BLUE for **2 seconds.**

Step 4

x1

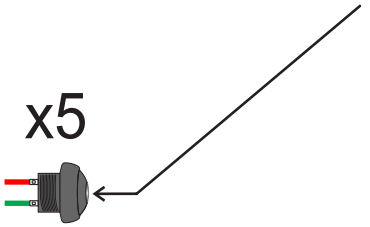
Push start button once to OFF position.

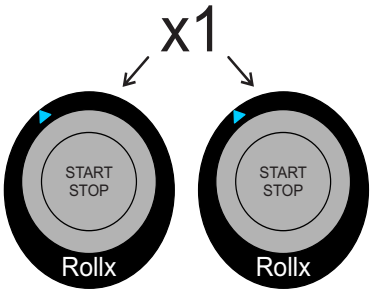
Section 4

Programming Key Fobs

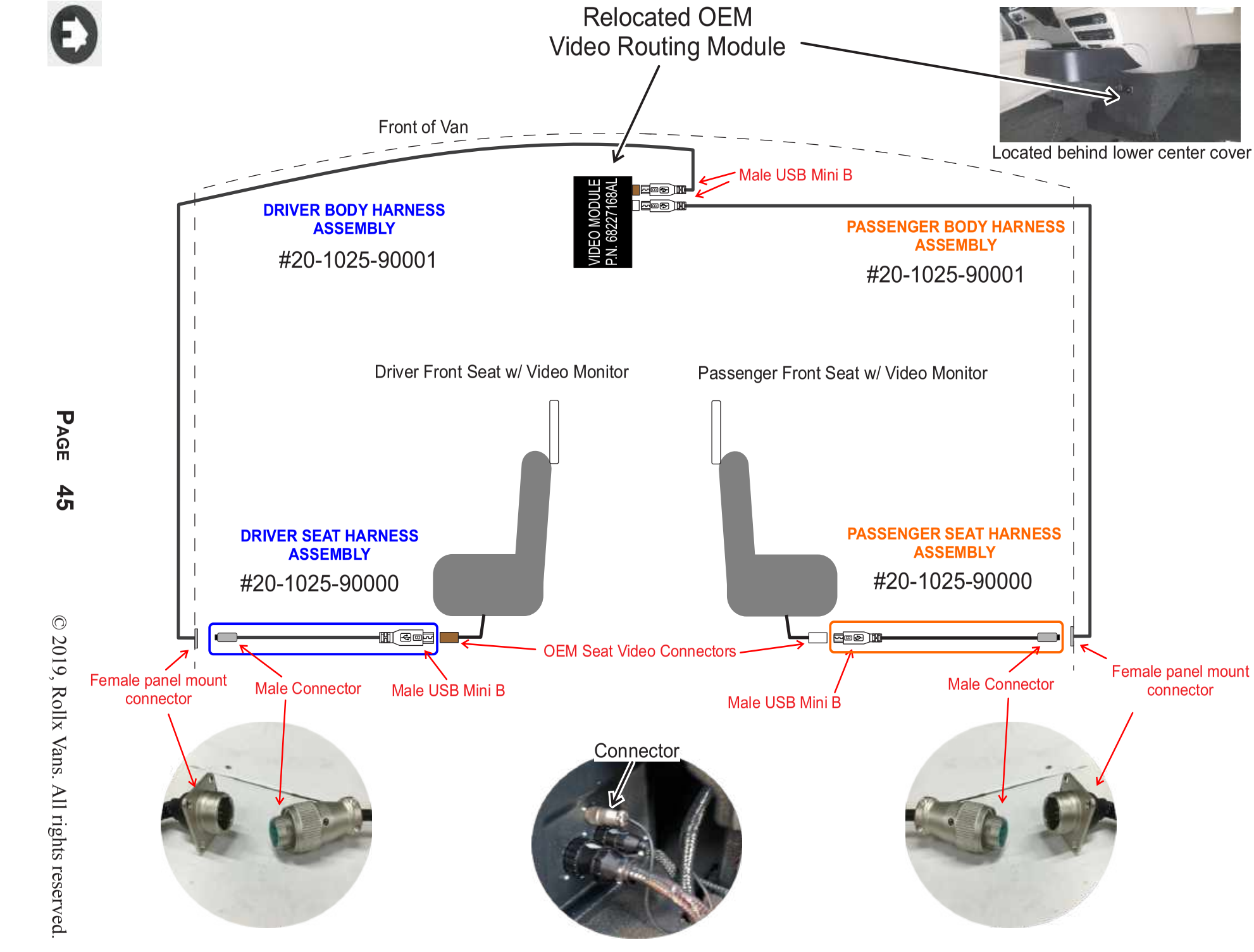
Step 1

Push the remote programming button 5 times. Then quickly push each Rollx Vans key fob once.





This page was intentionally left blank



This page was intentionally left blank

Seat Detectors & R.O.C.M. Description & Operation

(**R**ollx Vans **O**ccupant **C**lassification **M**odule)

DESCRIPTION:

The Rollx Vans Seat Detectors and the R.O.C.M. essentially simulate the components located in the Driver and the Passenger front seats, which are integrated within the Supplemental Restraint System (SRS). The R.O.C.M. also provides a Park Signal for the Rollx Vans OTC system as well as
other adaptive equipment regardless if there is a seat installed or not.

-In the event were either or both of the front seats are removed, this system ensures that the Airbag and Seatbelt Warning indicators (on the instrument panel) do not turn on.
-When the seats are installed and plugged in, the corresponding detector shuts off and the seats operate as designed by the OEM.

OPERATION:

-When the Driver's Front Seat is removed, the Driver's Seat Detector turns ON.
-When the Driver's Front Seat is installed and plugged in, the Driver's Seat Detector turns OFF.

-When the Passenger's Front Seat is removed, the Passenger's Seat Detector as well as the R.O.C.M. (Rollx Vans Occupant Classification Module), turn ON.
-When the Passenger's Front Seat is installed and plugged in, the Passenger's Seat Detector as well as the R.O.C.M., turn OFF.

Driver's Seat Detector Simulates:

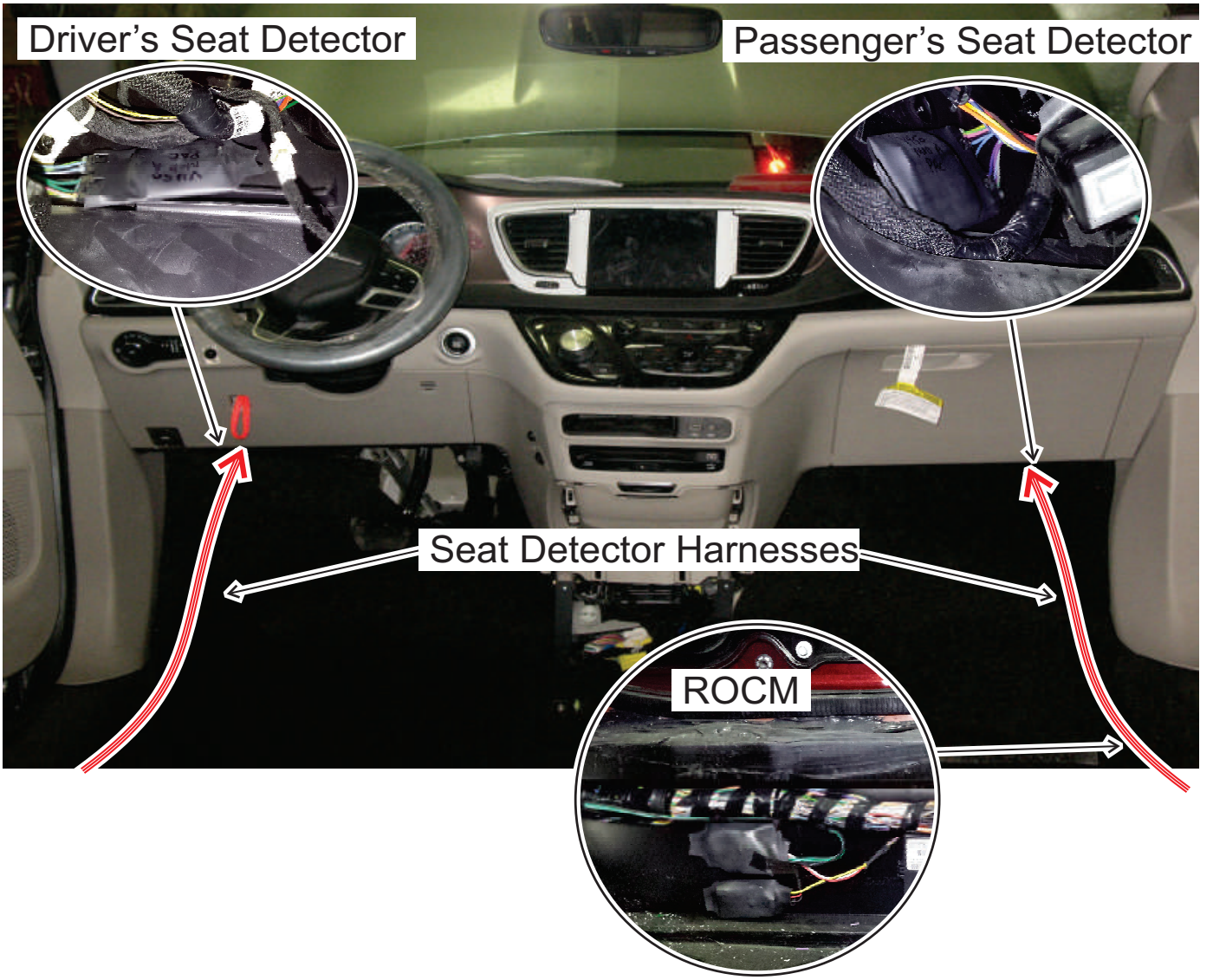
-Seat Position Sensors
-Seat Airbag
-Seat Belt Buckle Switch

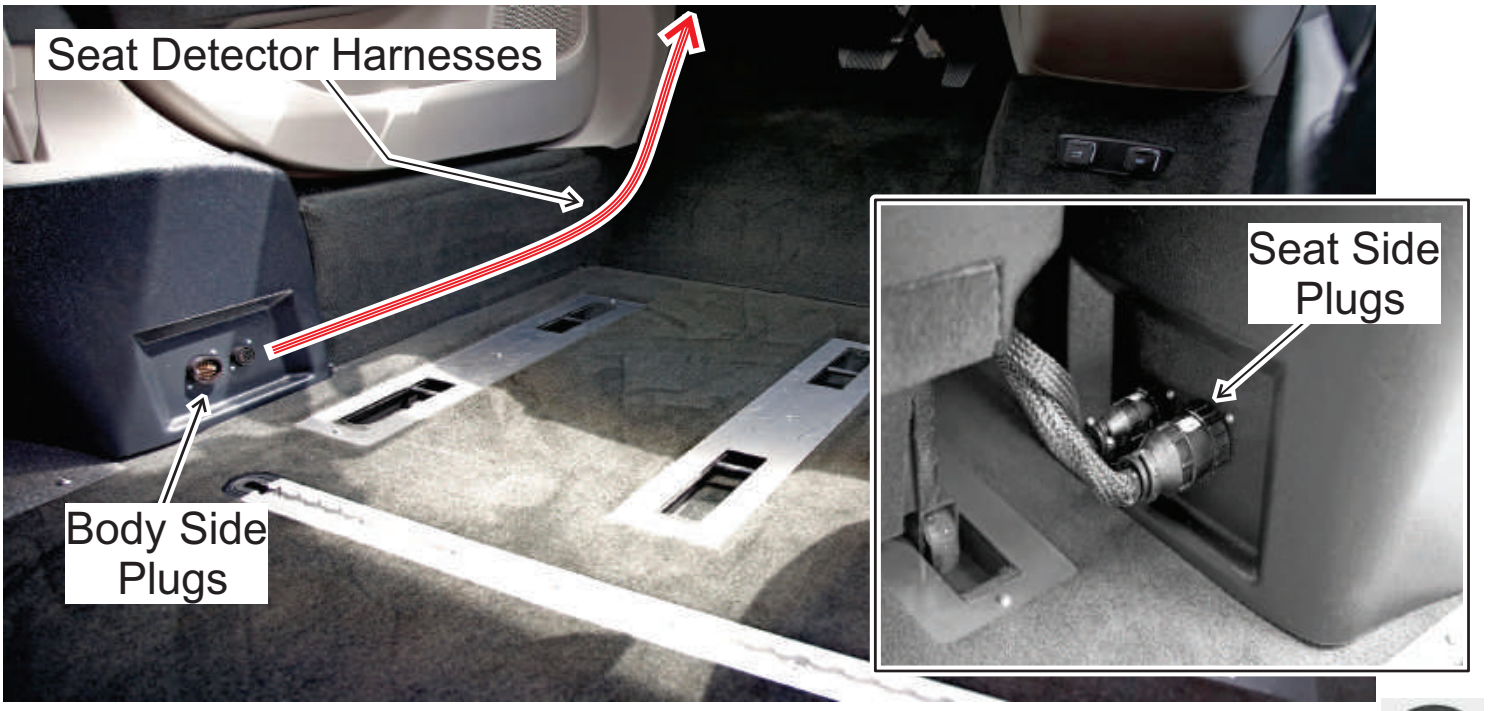
Passenger's Seat Detector Simulates:

-Seat Position Sensors
-Seat Airbag
-Seat Belt Buckle Switch

R.O.C.M. Simulates:

-Passenger Occupant Classification Module
-Provides a park signal for the OTC System & other adaptive equipment





Heated/Vented Seat Module Description & Operation

(If Equipped)

DESCRIPTION:

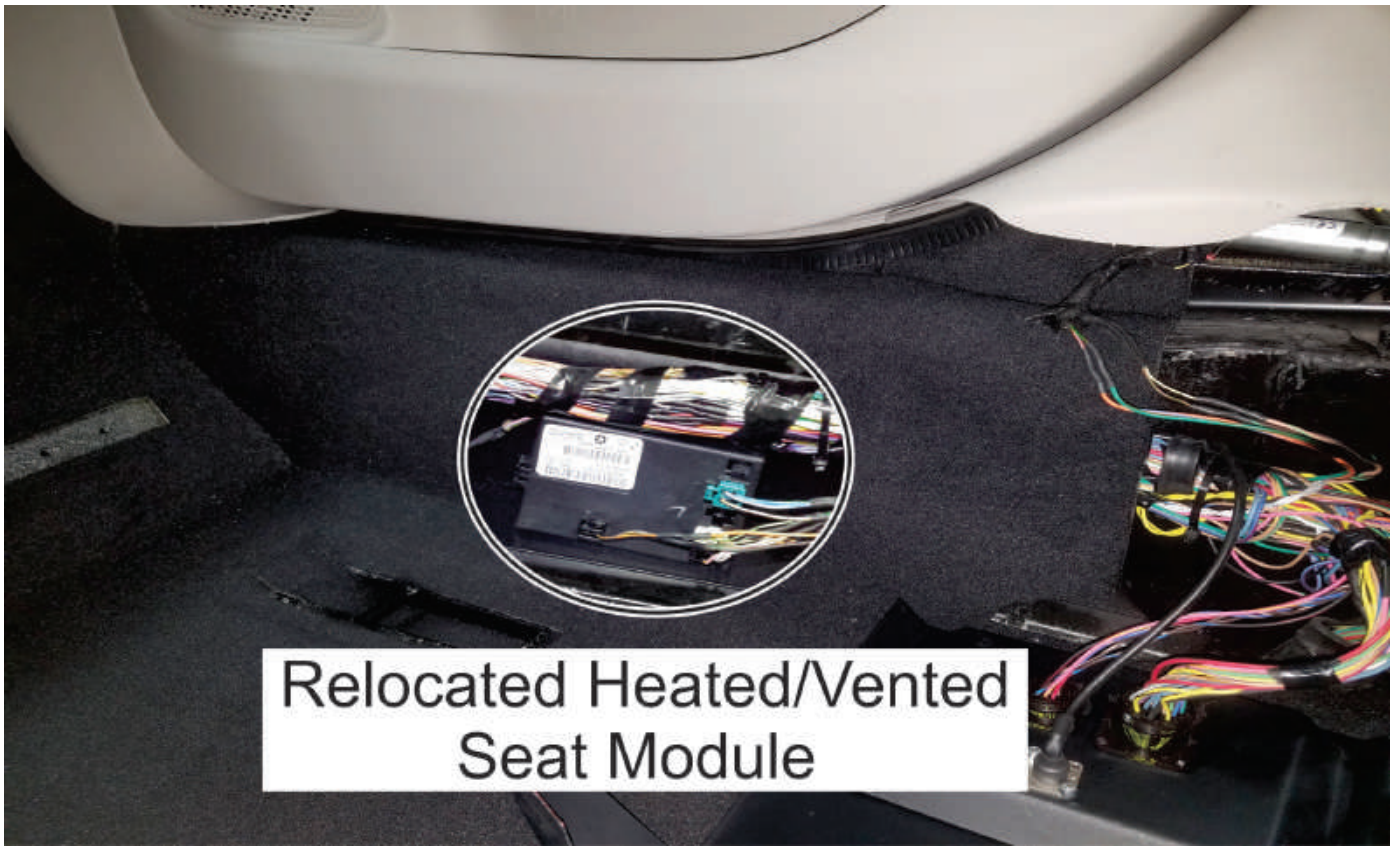
The Heated Seat Module (HSM) is originally located under the passenger front seat. Rollx Vans removes the HSM and relocates it to the body of the van. This module is relocated to maintain the heated/vented seat functions in the event one of the front seats are removed. It is reinstalled behind the carpet under along the passenger front door rocker panel.

OPERATION:

The HSM controls the Heated Seat System, the Heated Steering Wheel, and the Vented Seat System (if equipped).

*If the either the driver or passenger front seats are removed, the remaining seat, as well as the heated steering wheel will have full functionality.

*If both front seats are removed the only the heated steering wheel will remain functional.



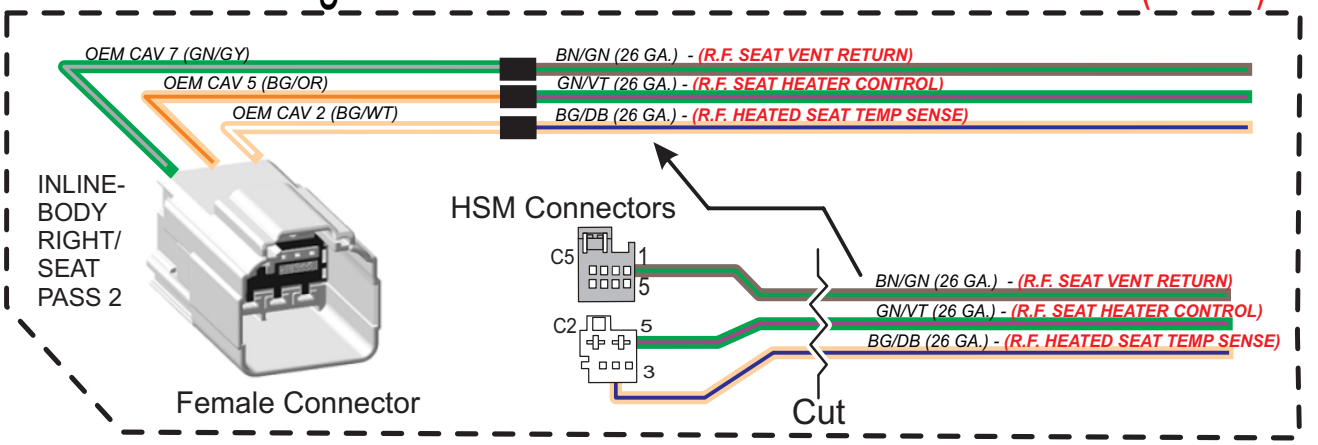
Updated on 10/9/2018

2017 - 2018 Chrysler Pacifica

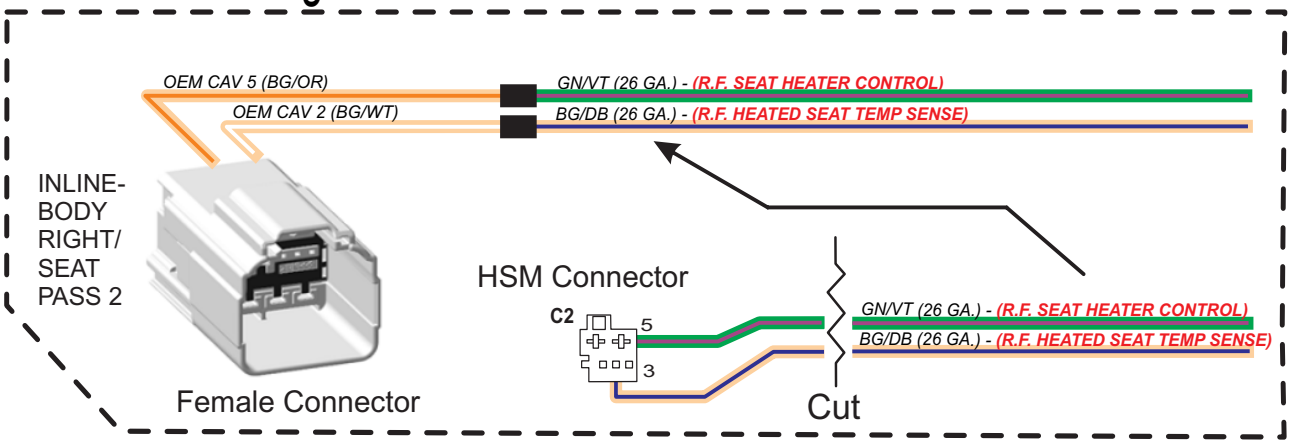
VANS WITH HEATED AND OR VENTED FRONT SEATS

Wiring Under Pass Front Seat

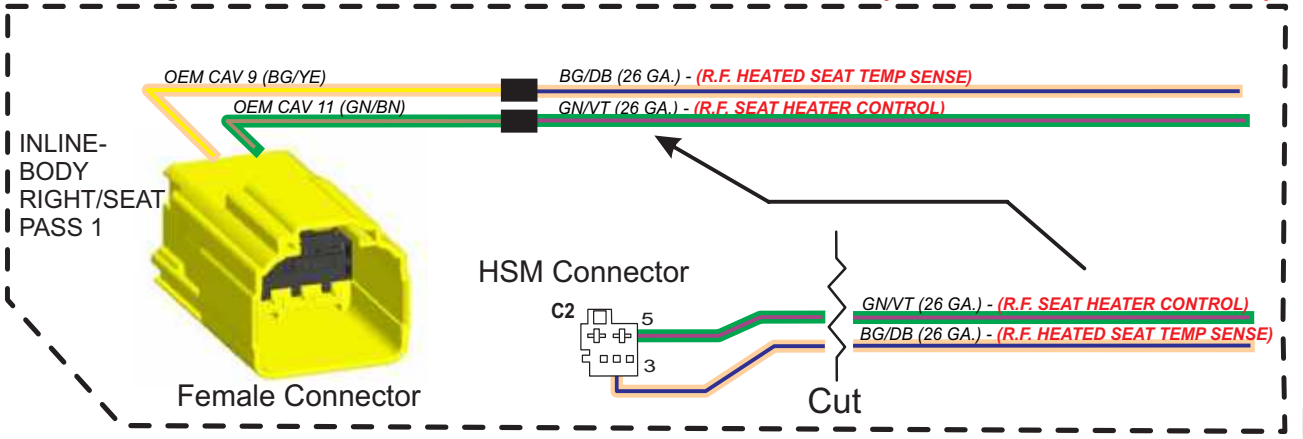
Passenger SEAT SIDE with POWER / HEAT / VENT (Video)



Passenger SEAT SIDE with POWER / HEAT / VIDEO

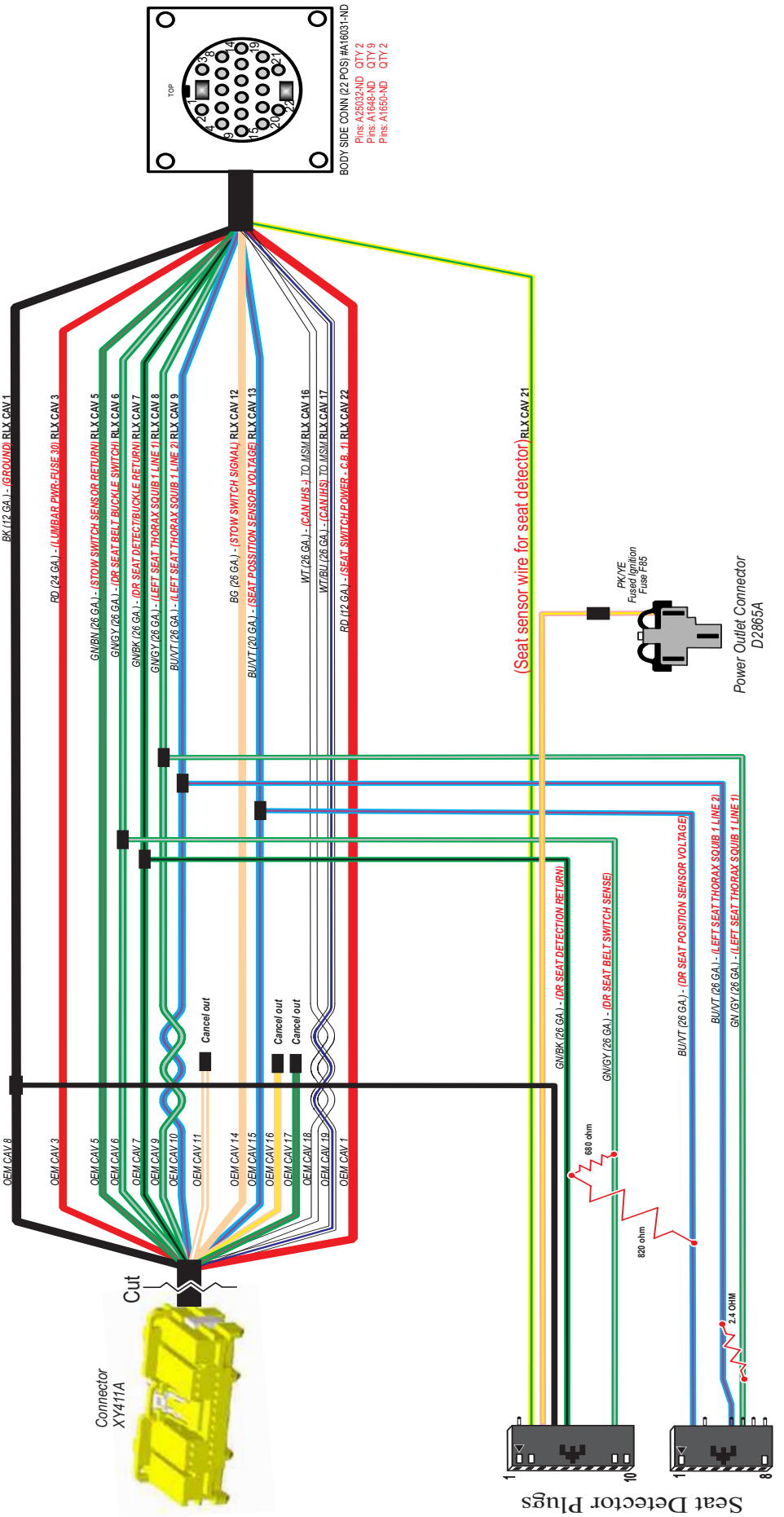


Passenger SEAT SIDE with Manual / HEAT Only & Power / Heat Only



2017-2018 Chrysler Pacifica

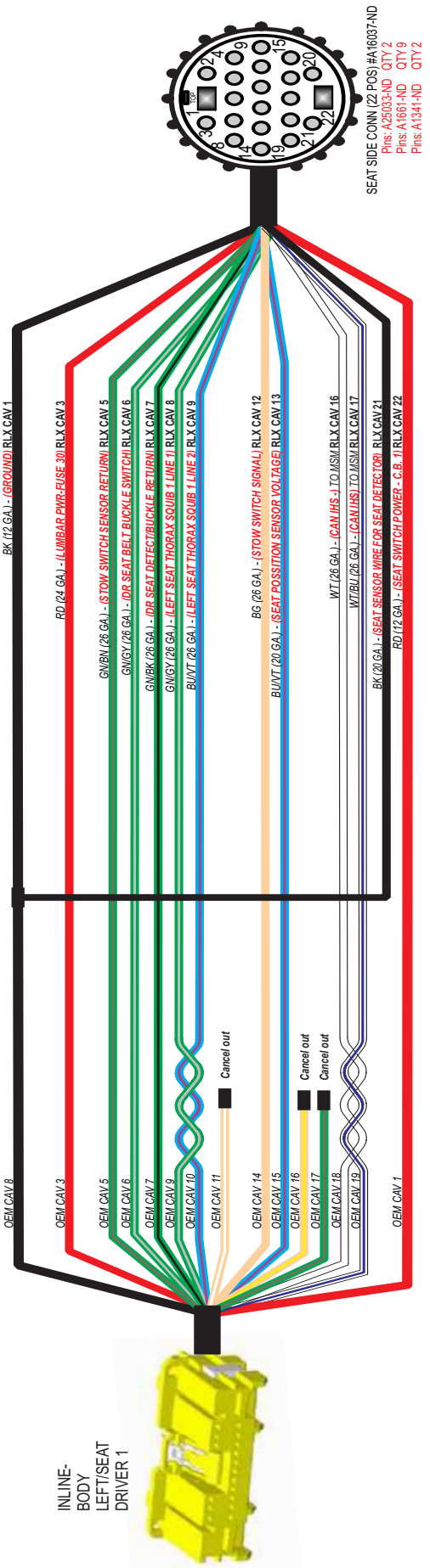
Driver BODY SIDE with POWER Only



Updated on 12/7/2017

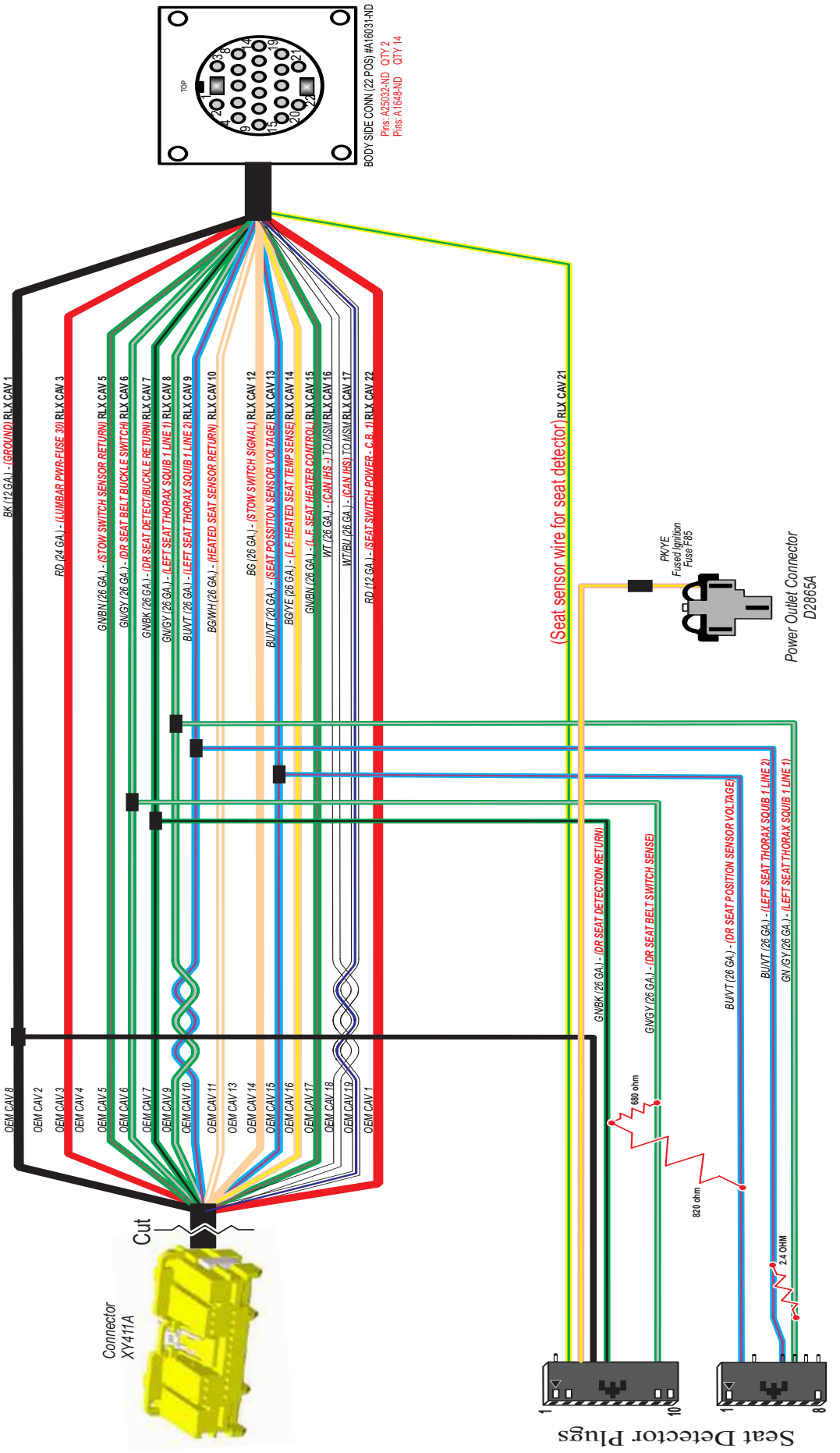
2017-2018 Chrysler Pacifica

Driver SEAT SIDE with POWER Only



Updated on 12/7/2017

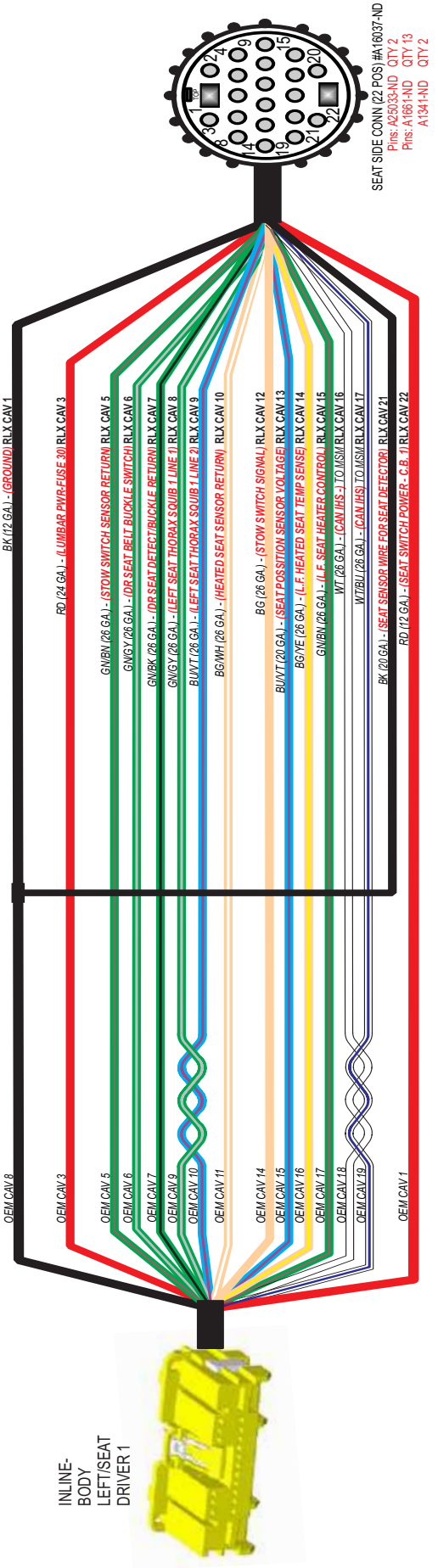
2017-2018 Chrysler Pacifica
Driver BODY SIDE with POWER / HEAT Only



Updated on 4/3/2017

2017-2018 Chrysler Pacifica

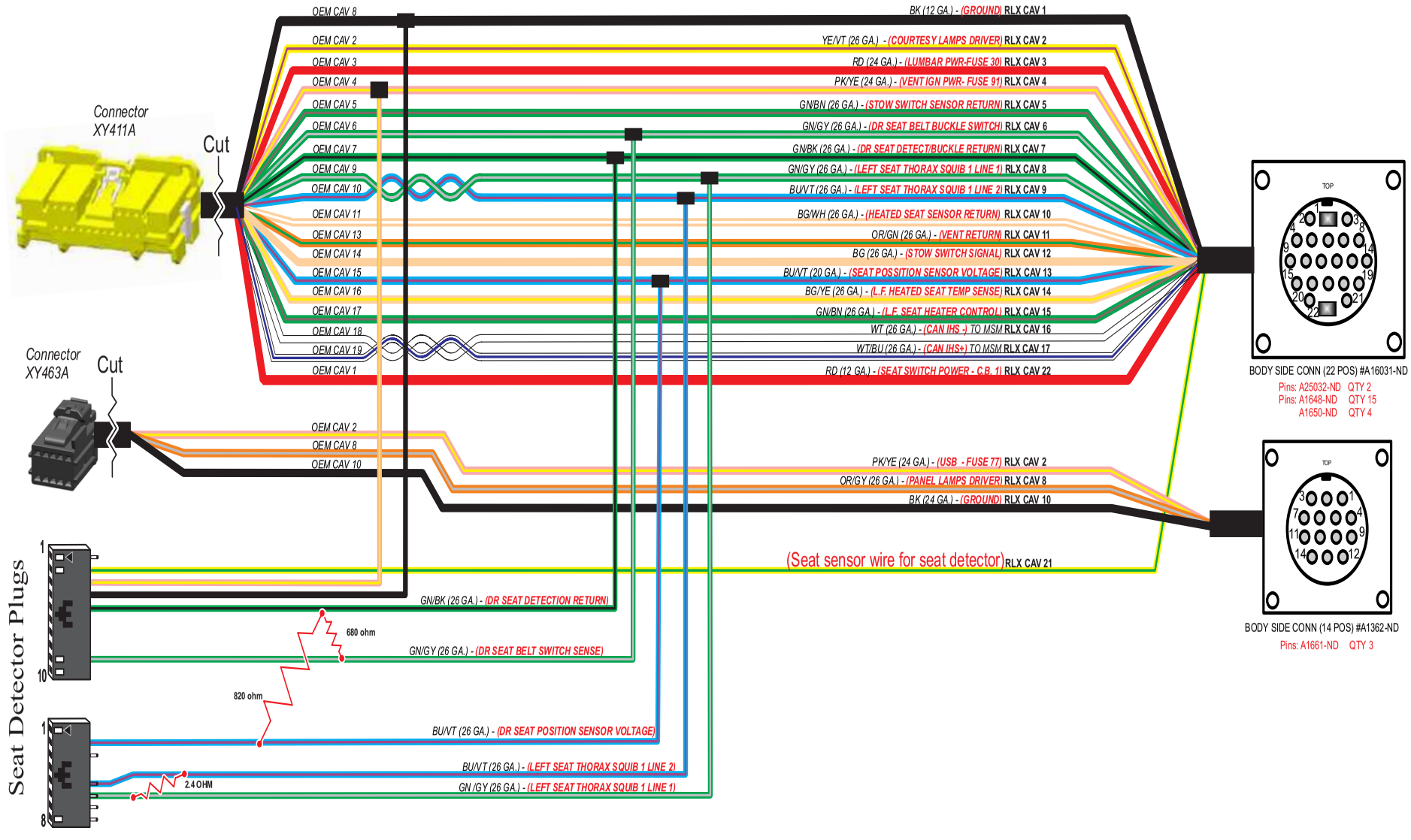
Driver SEAT SIDE with POWER / HEAT Only



Updated on 4/3/2017

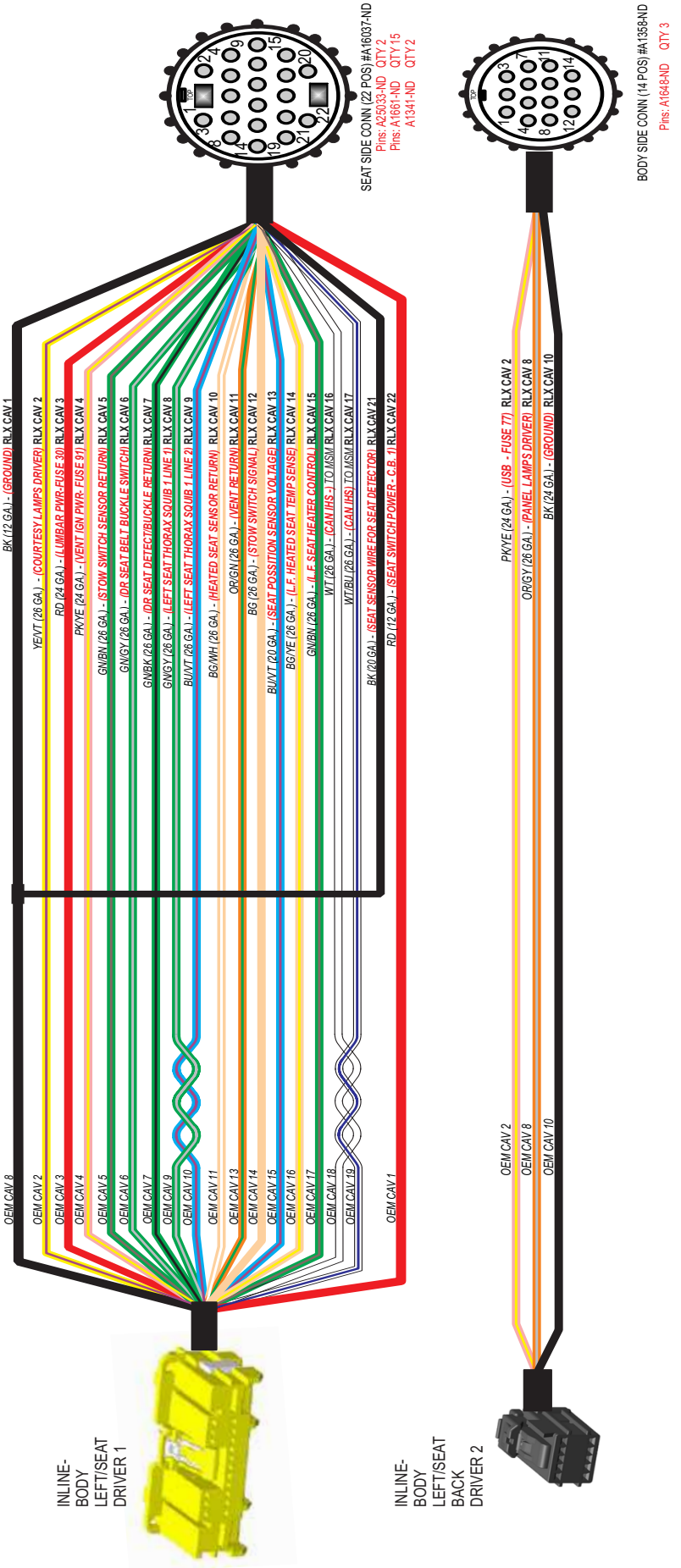
2017-2018 Chrysler Minivan

Driver BODY SIDE with POWER / HEAT / VENT / USB



2017-2018 Chrysler Pacifica

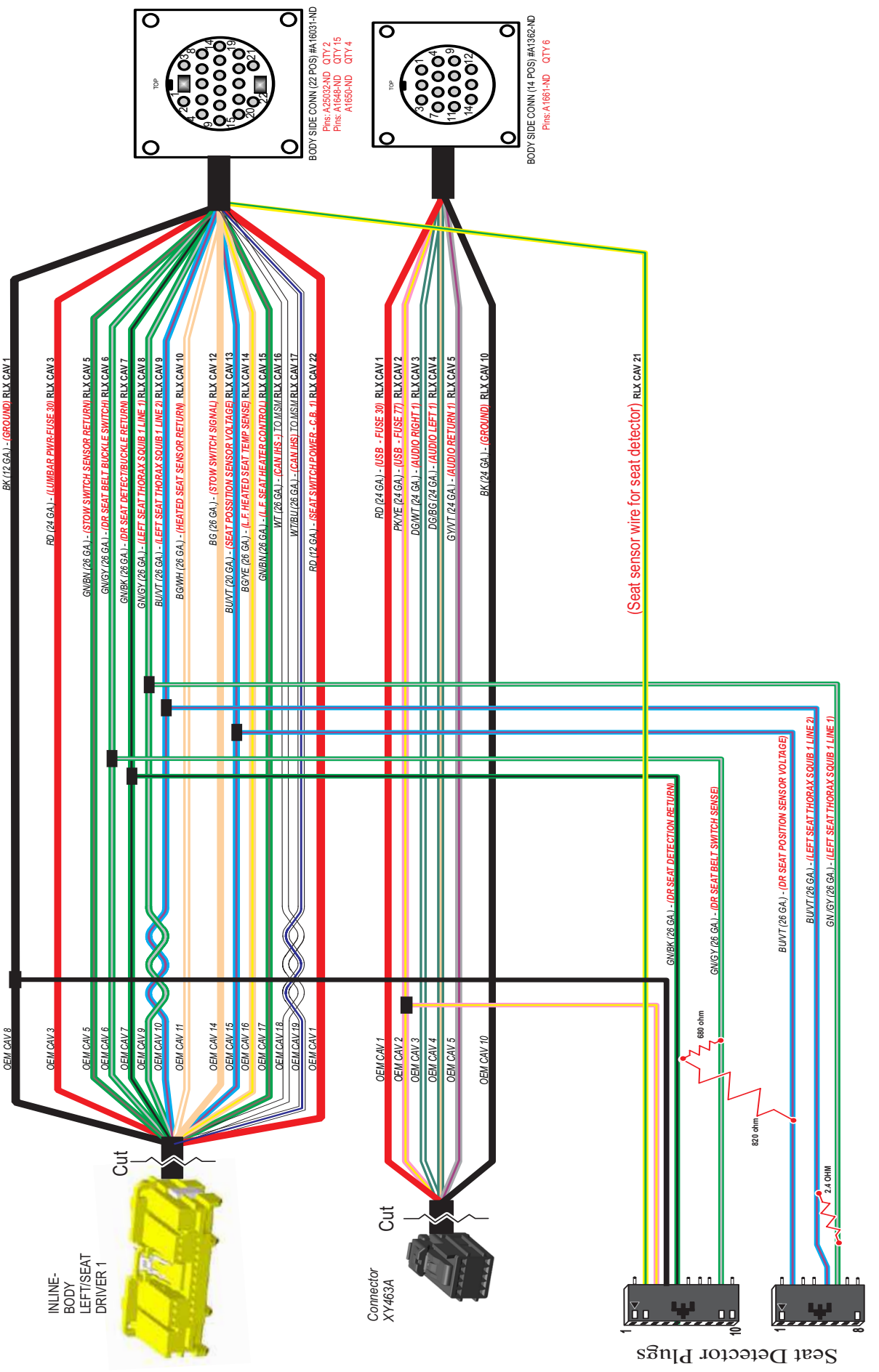
Driver SEAT SIDE with POWER / HEAT / VENT / USB



Updated on 2/13/2018

2017-2018 Chrysler Pacifica

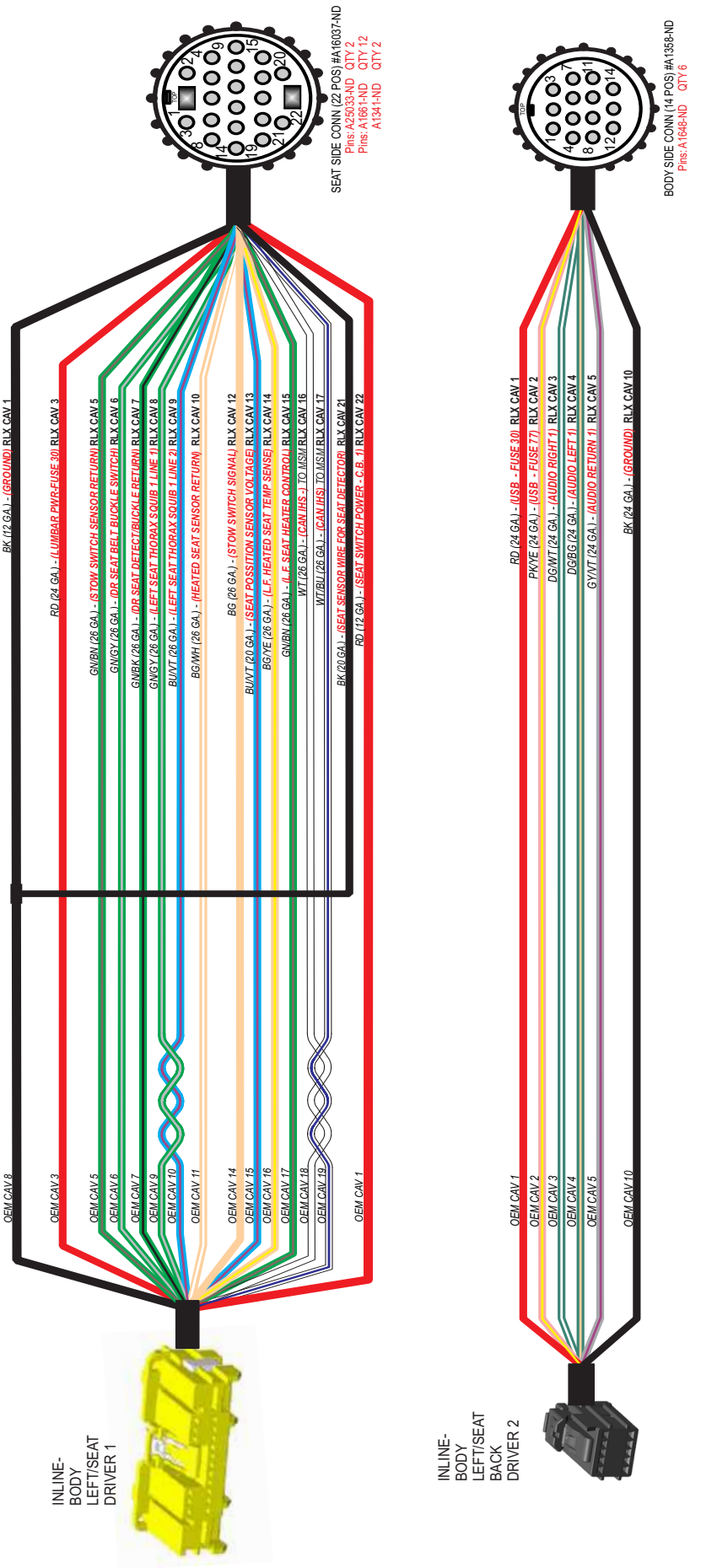
Driver BODY SIDE with POWER / HEAT / VIDEO / USB



Updated on 3/16/2017

2017-2018 Chrysler Pacifica

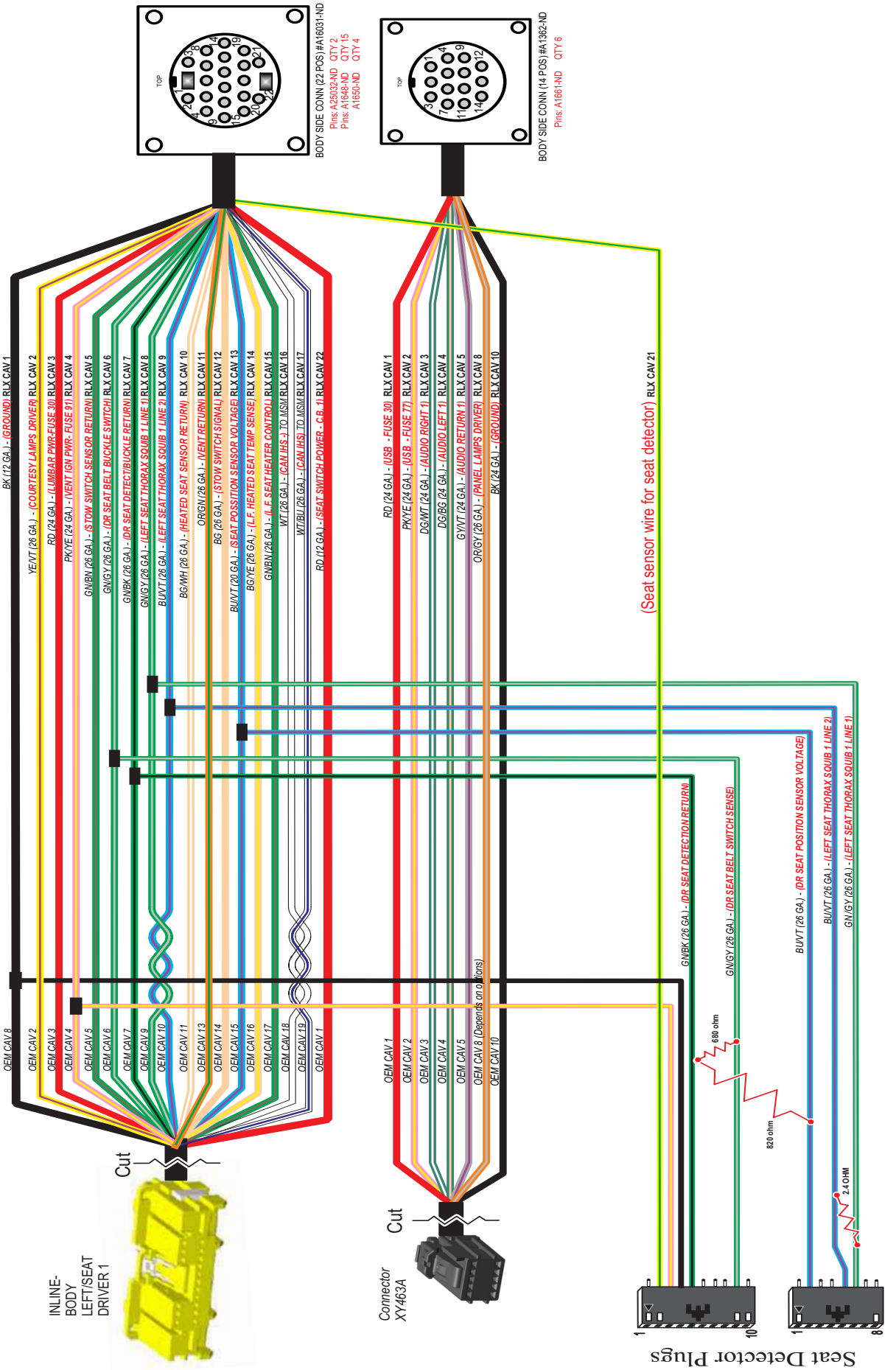
Driver SEAT SIDE with POWER / HEAT / VIDEO / USB



Updated on 5/7/2019

2017-2018 Chrysler Pacifica

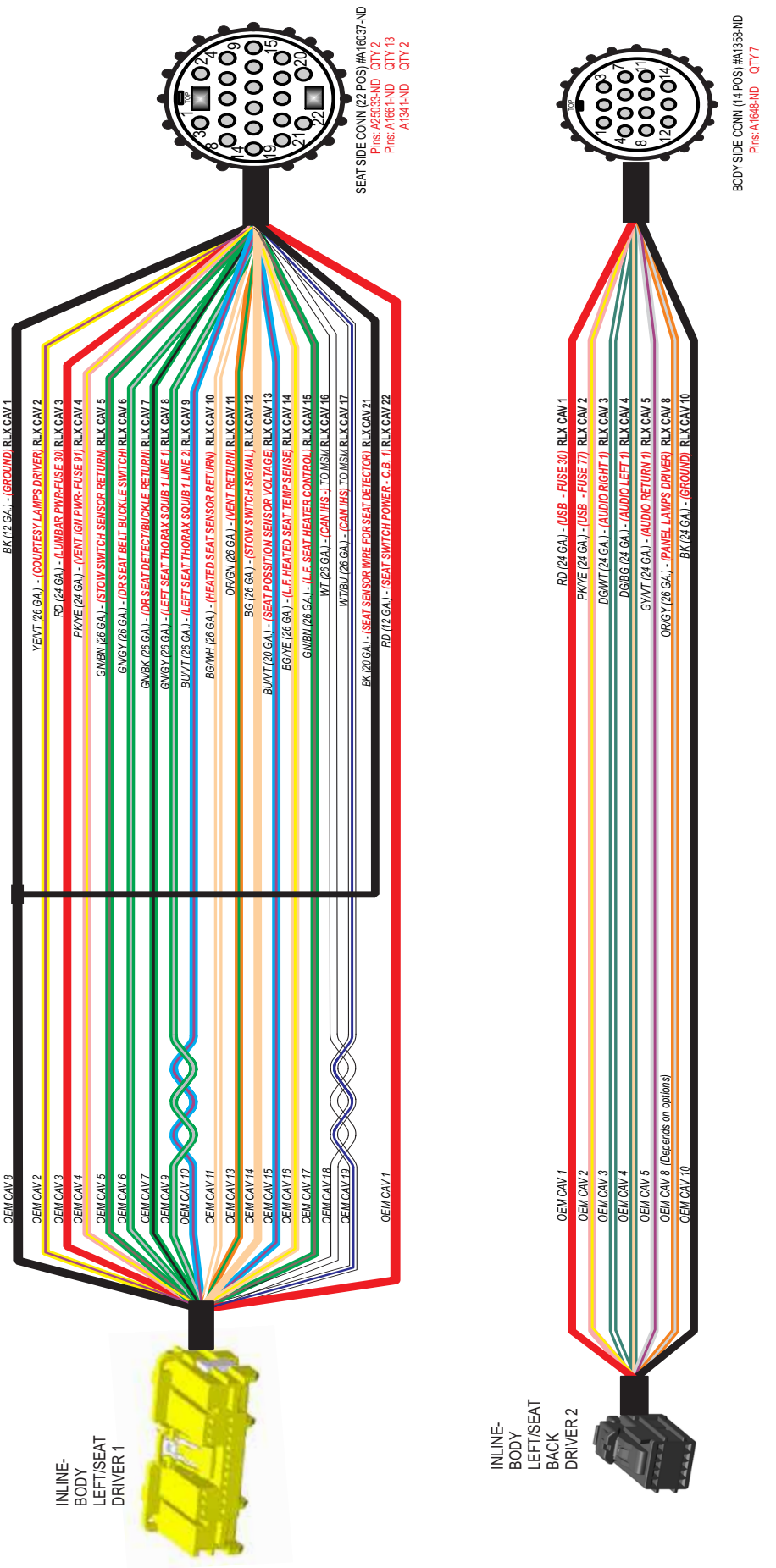
Driver BODY SIDE with POWER / HEAT / VENT / VIDEO / USB



Updated on 3/16/2017

2017-2018 Chrysler Minivan

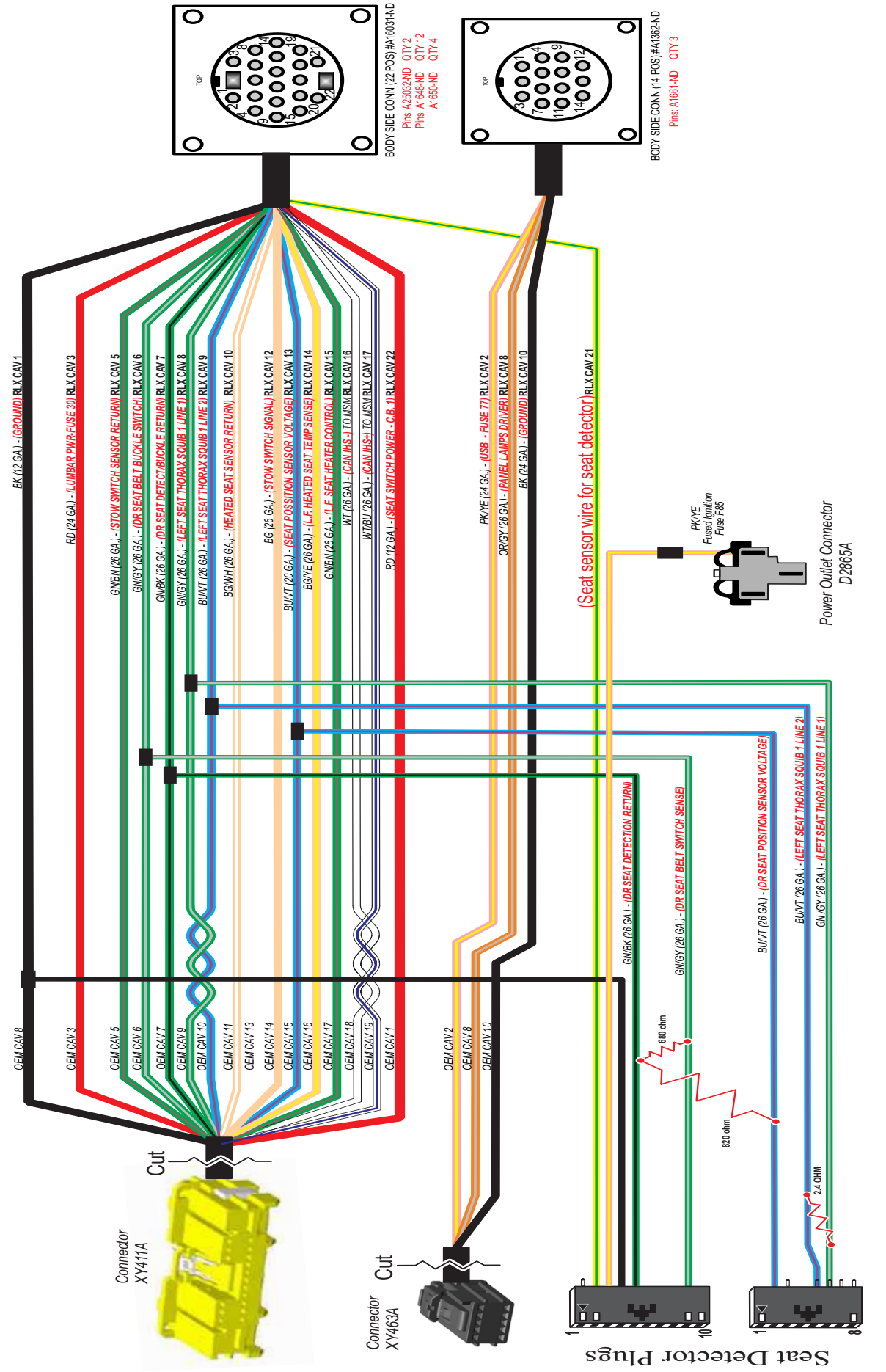
Driver SEAT SIDE with POWER / HEAT / VENT / VIDEO / USB



Updated on 3/2/2017

2018 Chrysler Pacifica

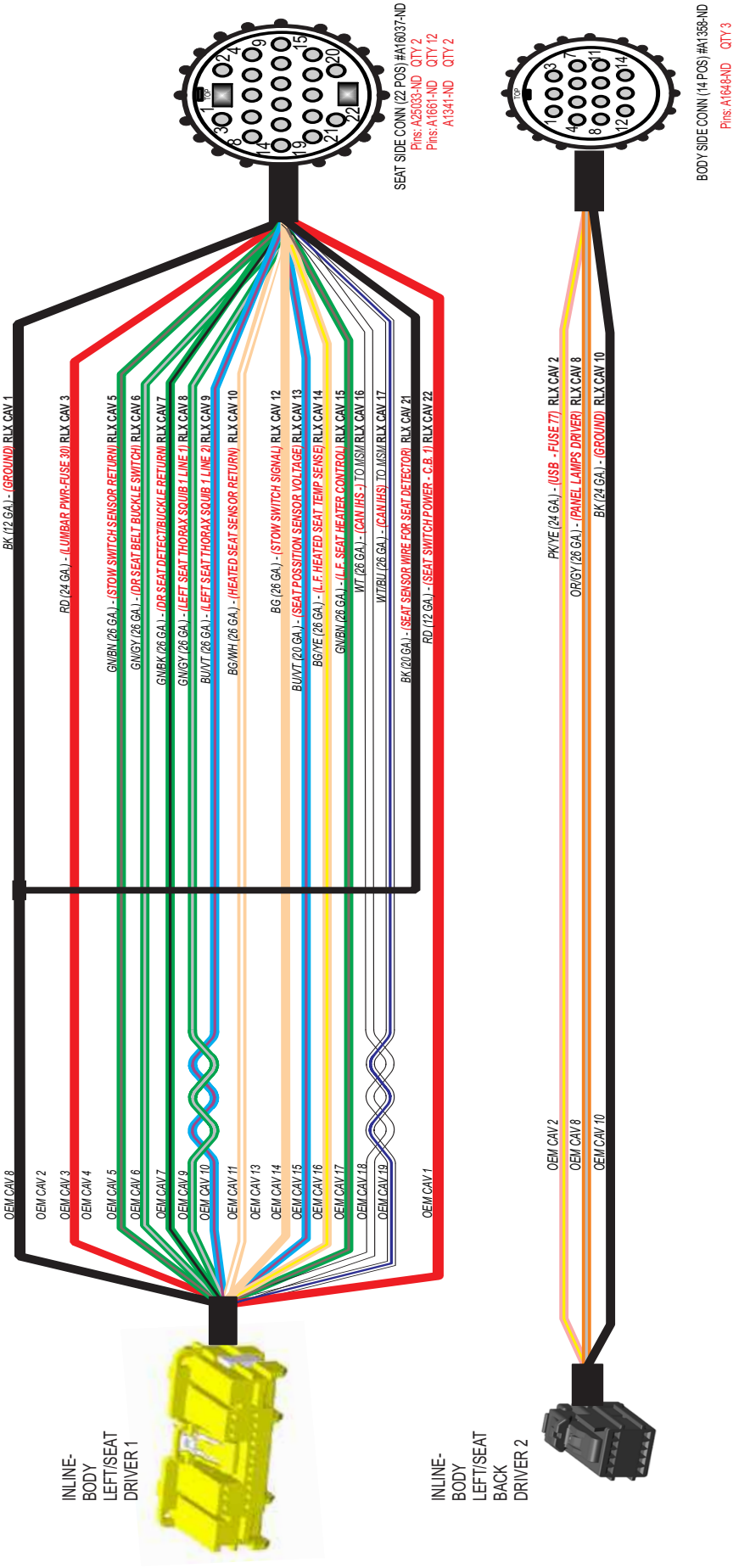
Driver BODY SIDE with POWER / HEAT / USB



Updated on 4/17/2018

2018 Chrysler Pacifica

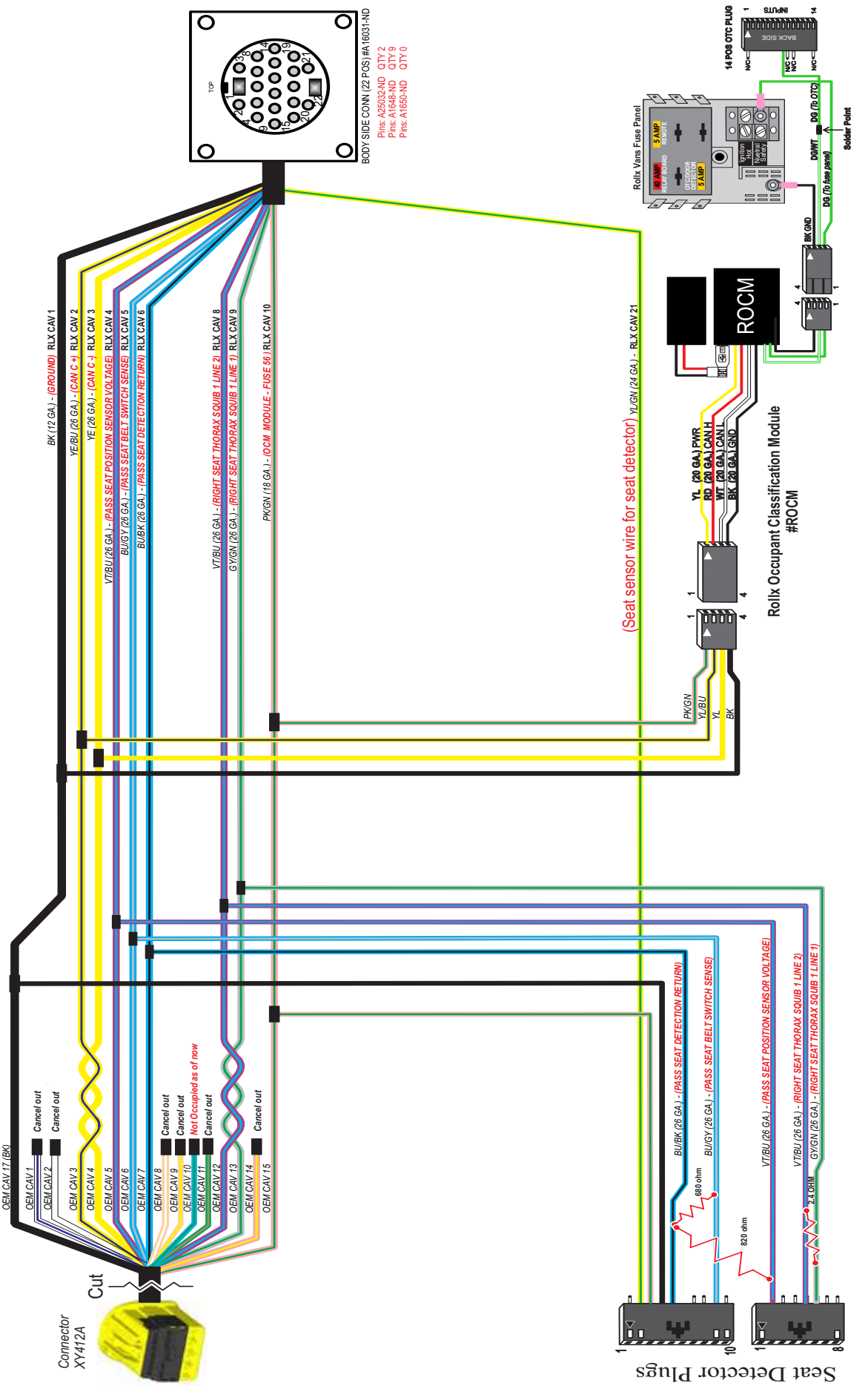
Driver SEAT SIDE with POWER / HEAT / USB



Updated on 4/17/2018

2017-2018 Chrysler Pacifica

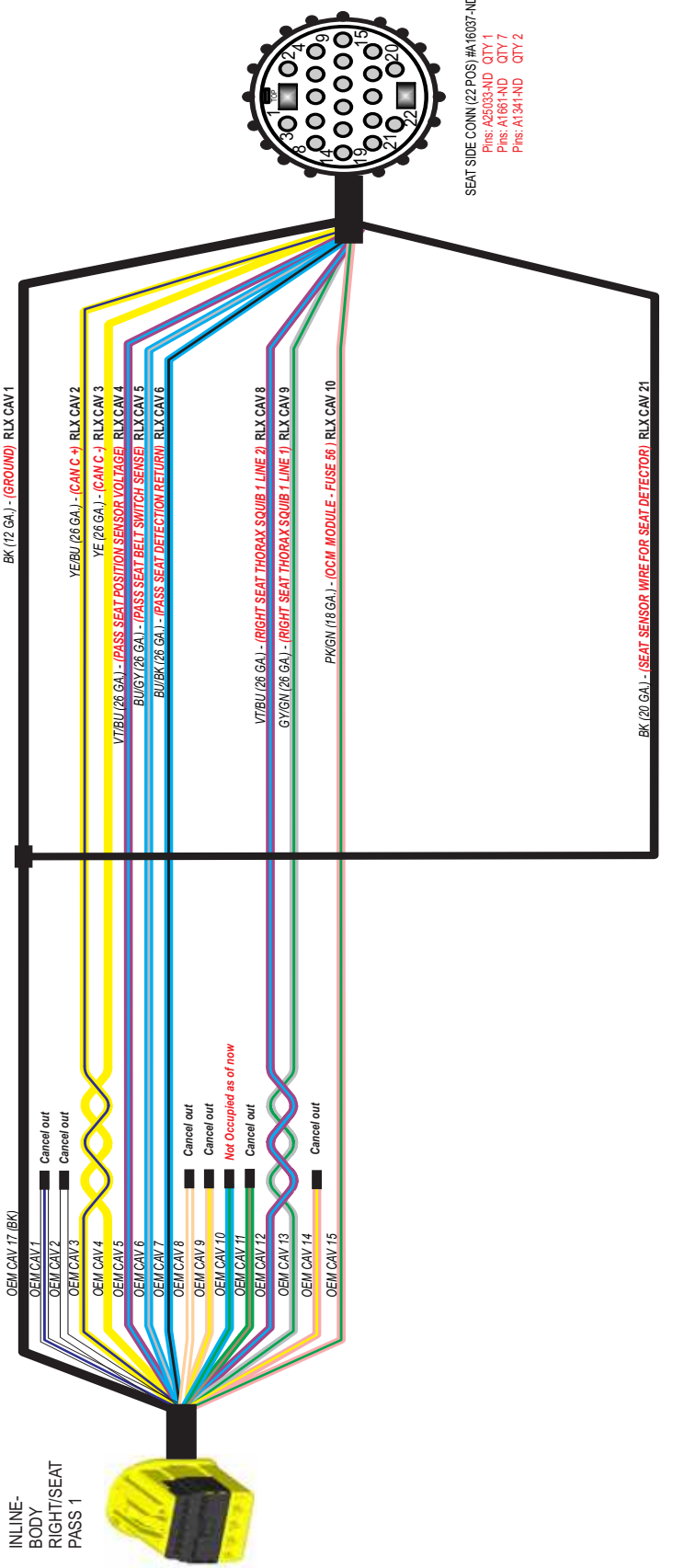
Passenger BODY SIDE with MANUAL SEAT



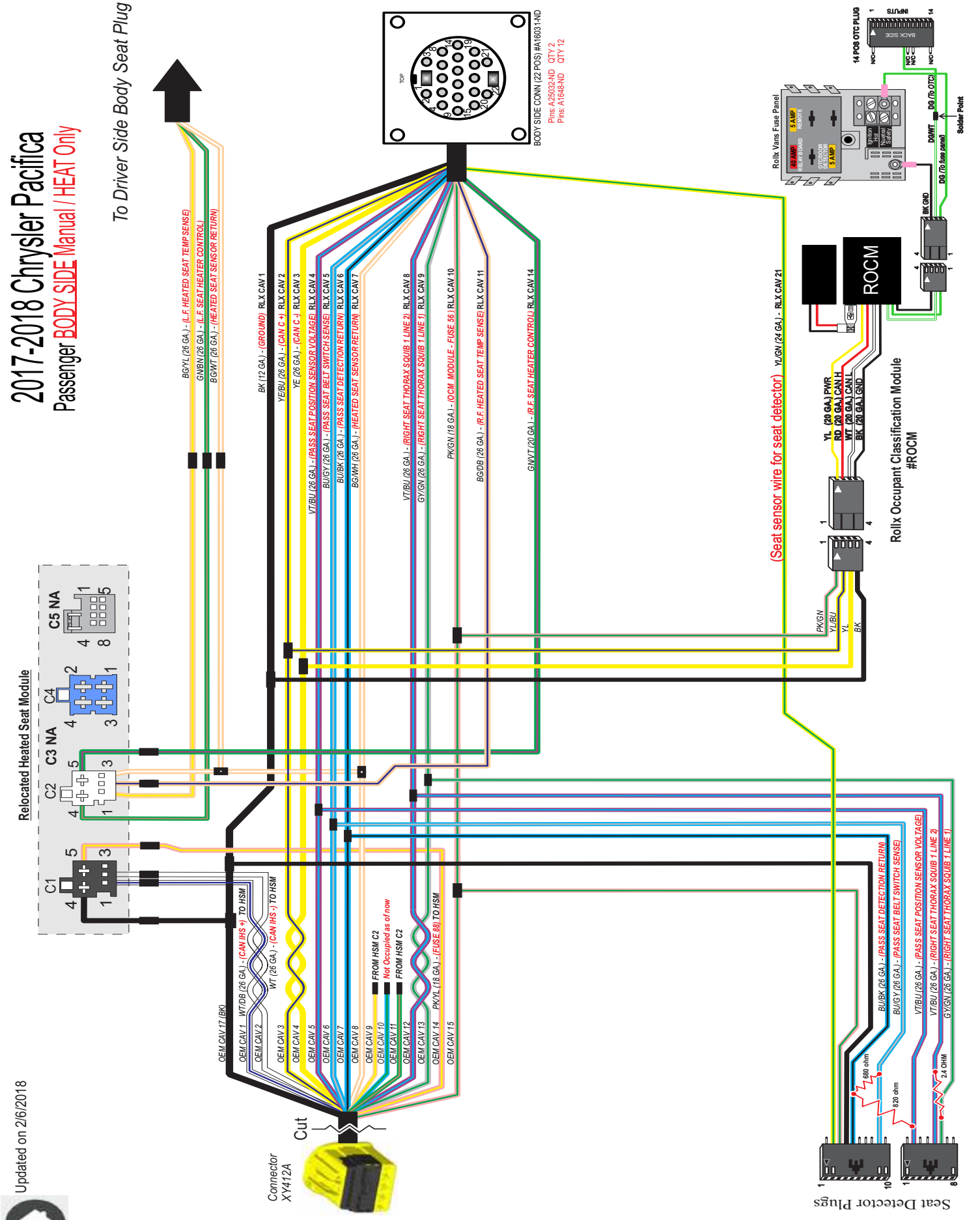
Updated on 2/6/2018

2017-2018 Chrysler Pacifica

Passenger SEAT SIDE with MANUAL SEAT



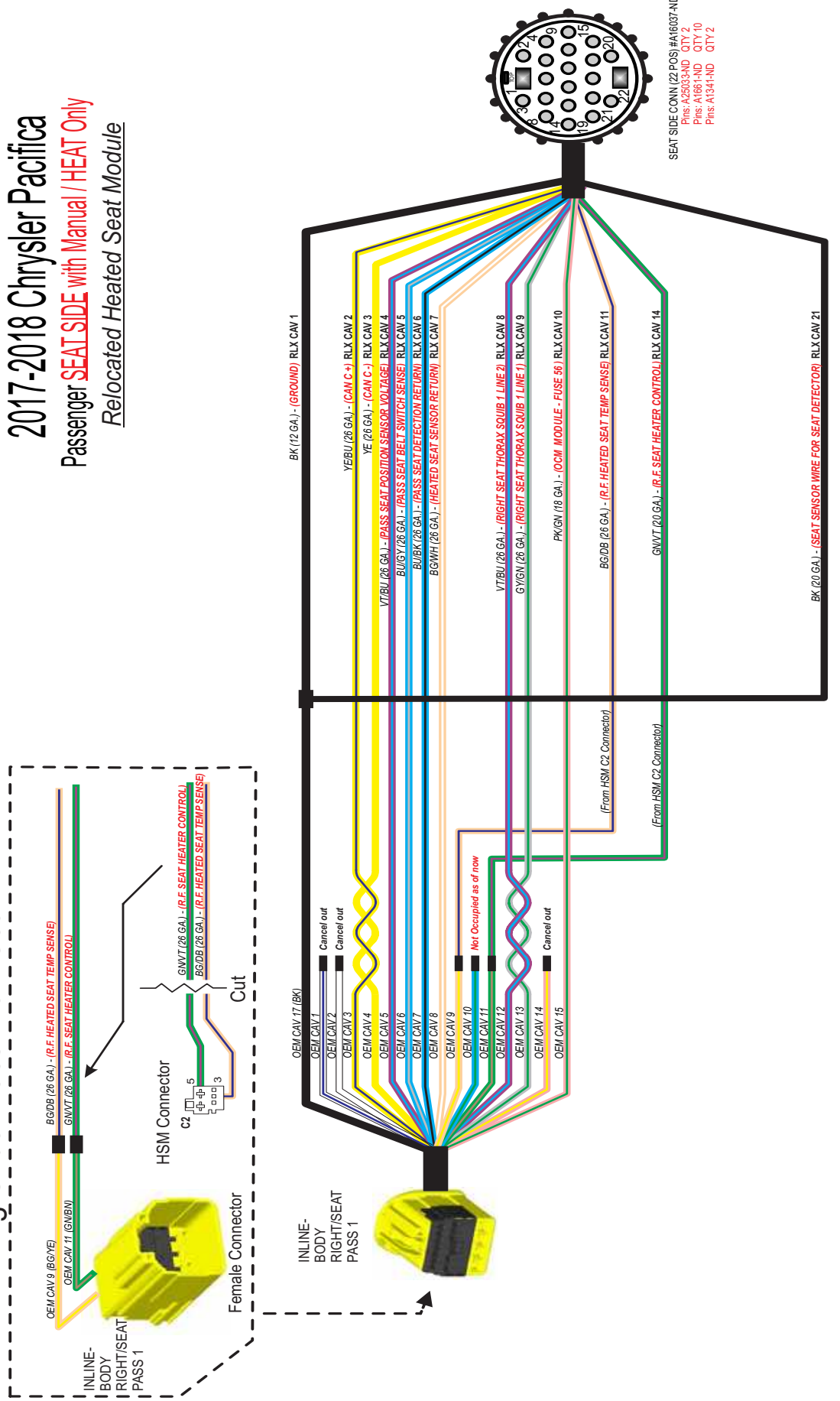
Updated on 12/7/2017



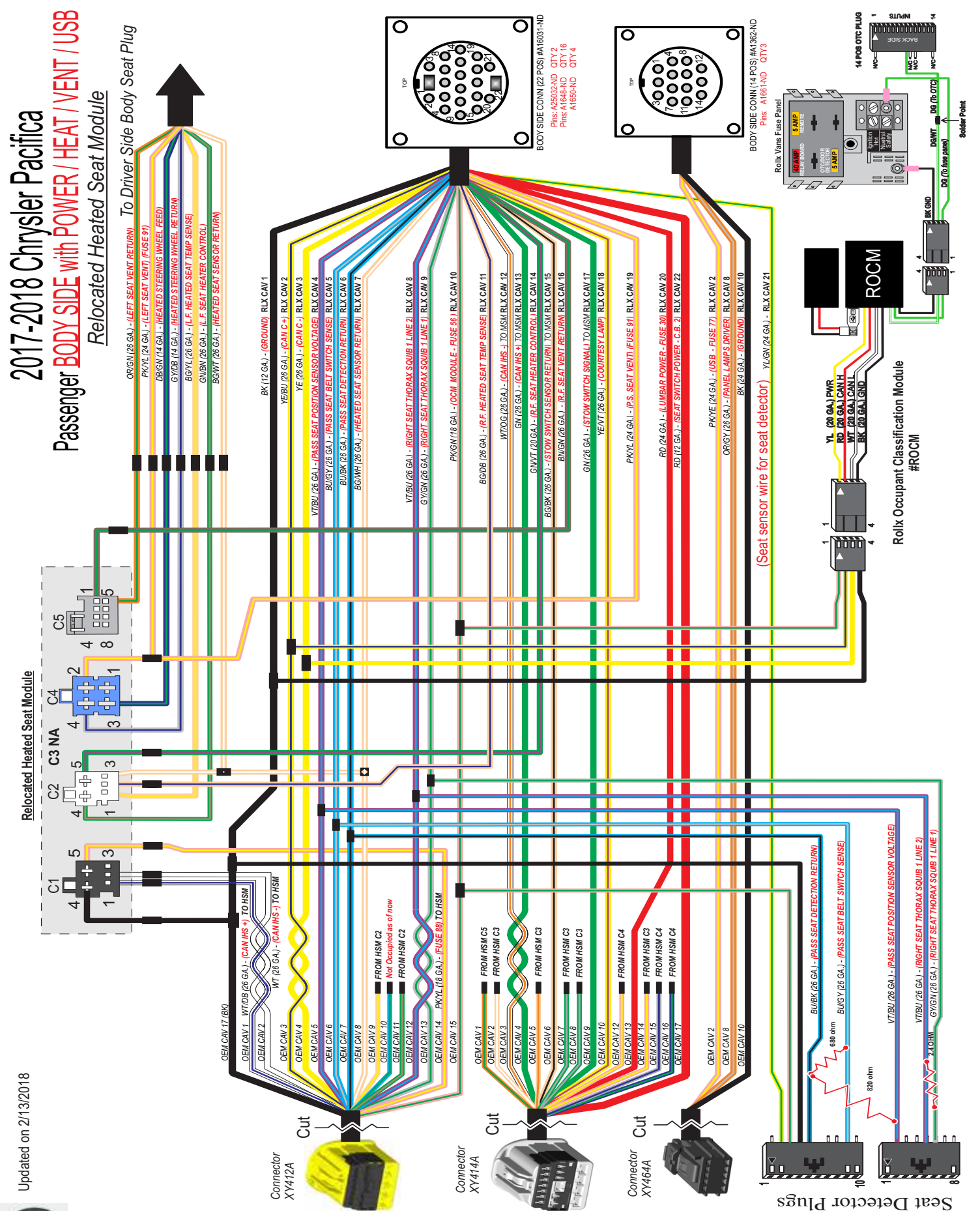
2017-2018 Chrysler Pacifica

Passenger SEAT SIDE with Manual / HEAT Only

Relocated Heated Seat Module



Updated on 4/3/2017



Updated on 2/13/2018

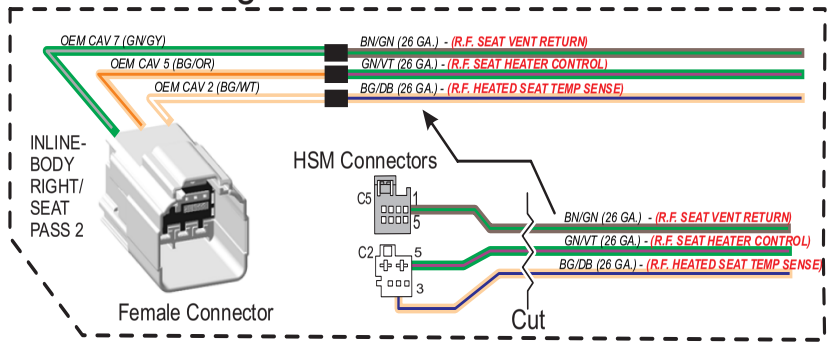
Updated on 2/13/2018

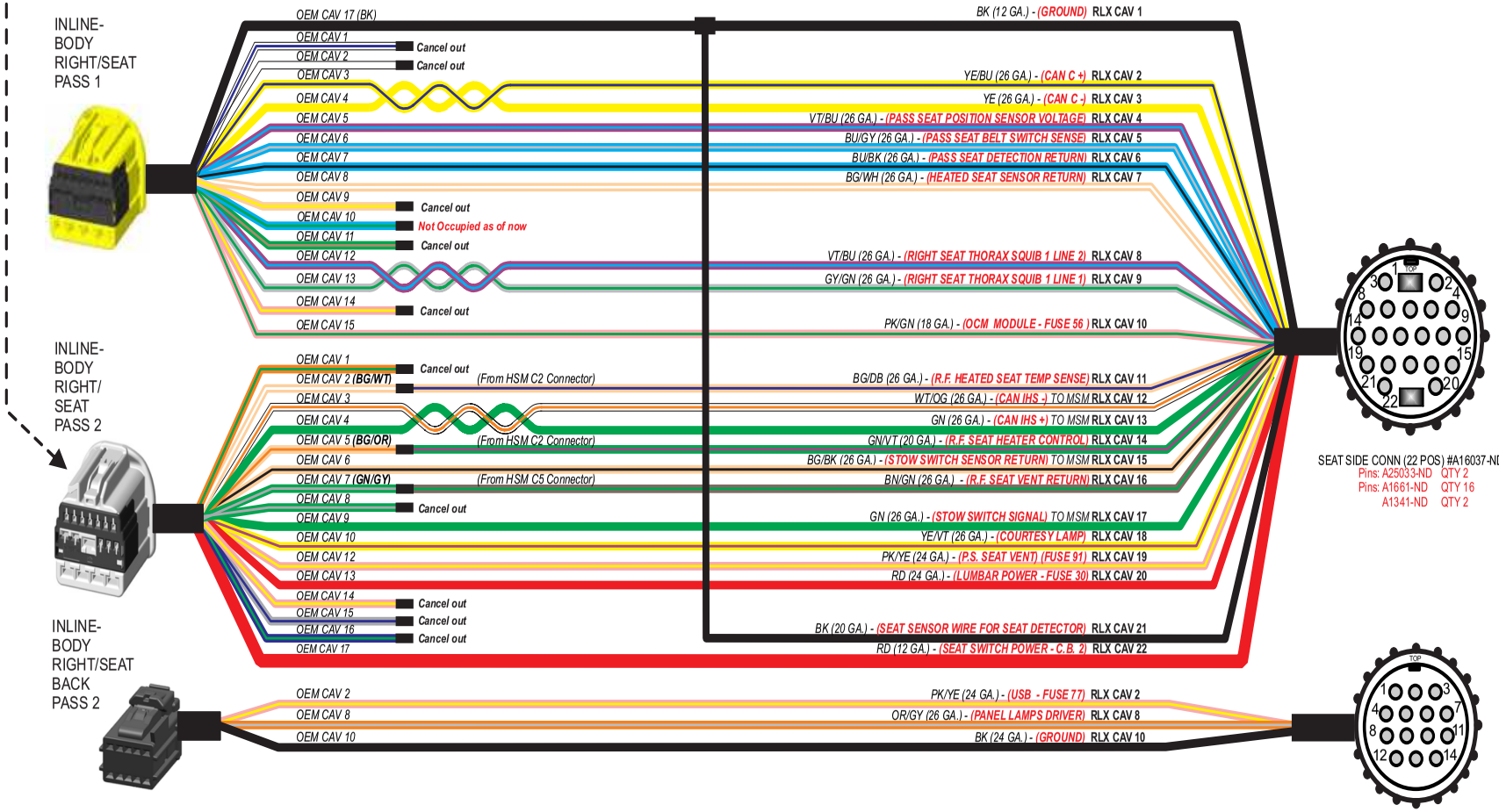
2017-2018 Chrysler Pacifica

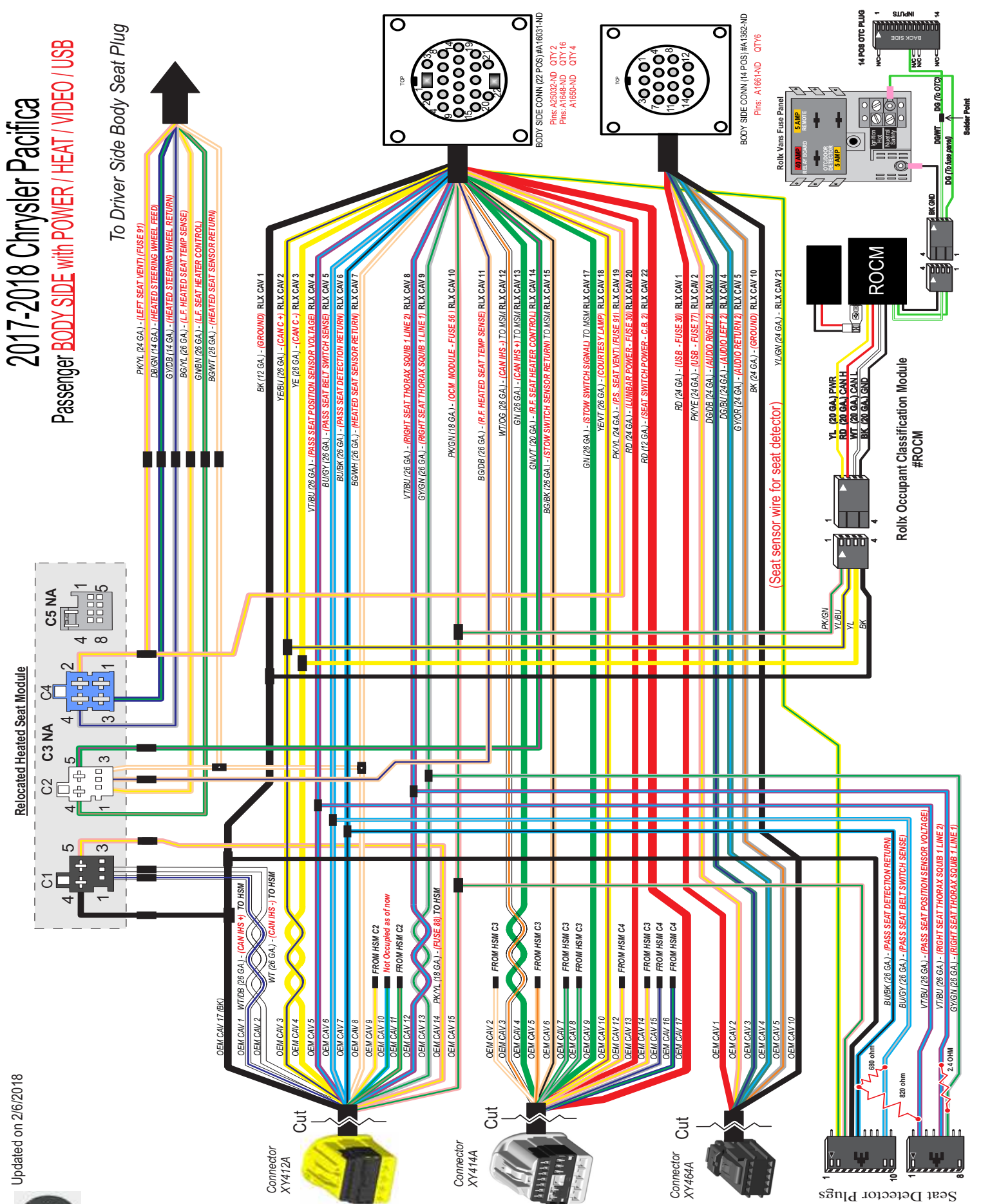
Passenger SEAT SIDE with POWER / HEAT / VENT / USB

Relocated Heated Seat Module

Wiring Under Pass Front Seat





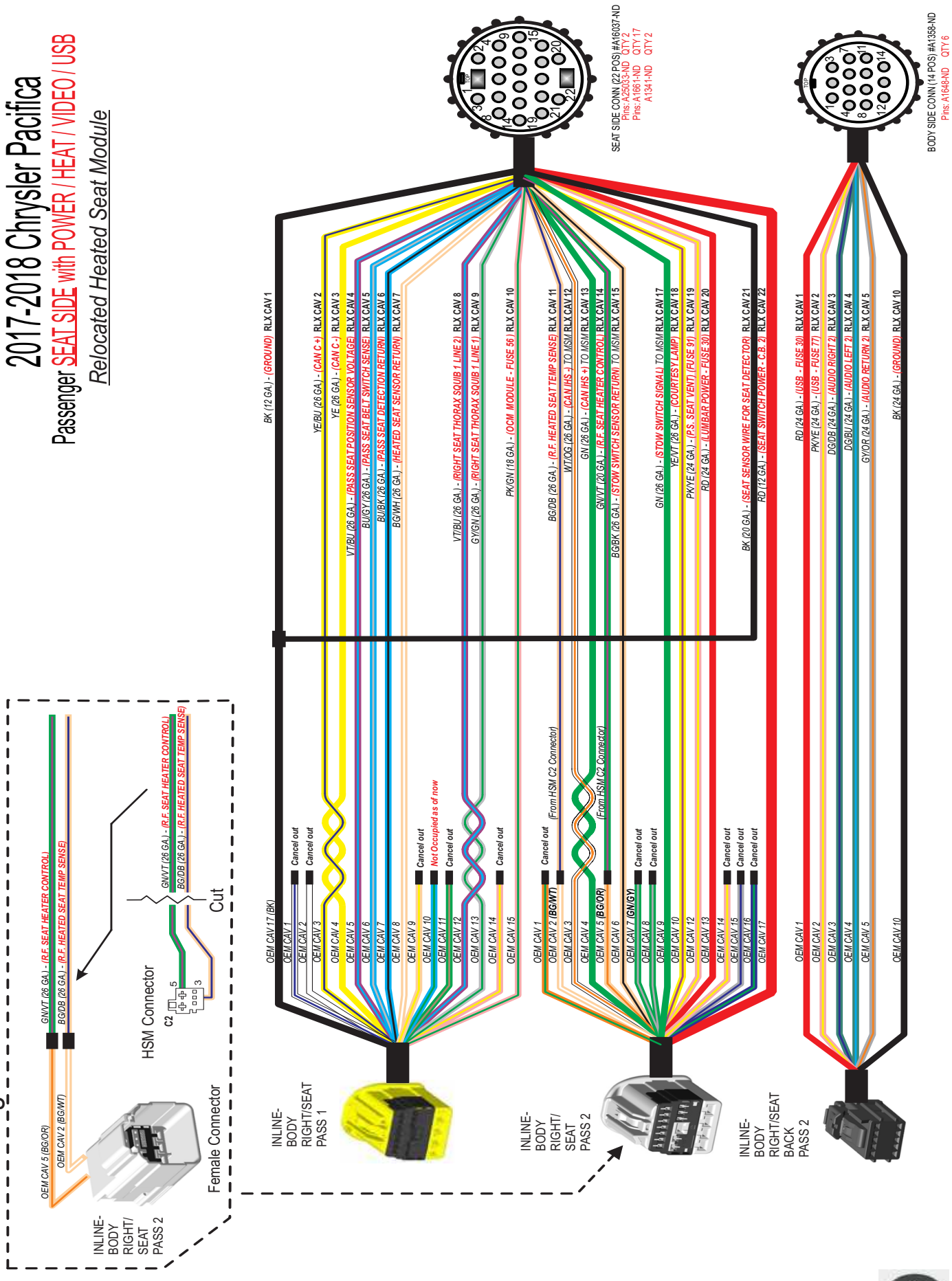


Updated on 2/6/2018

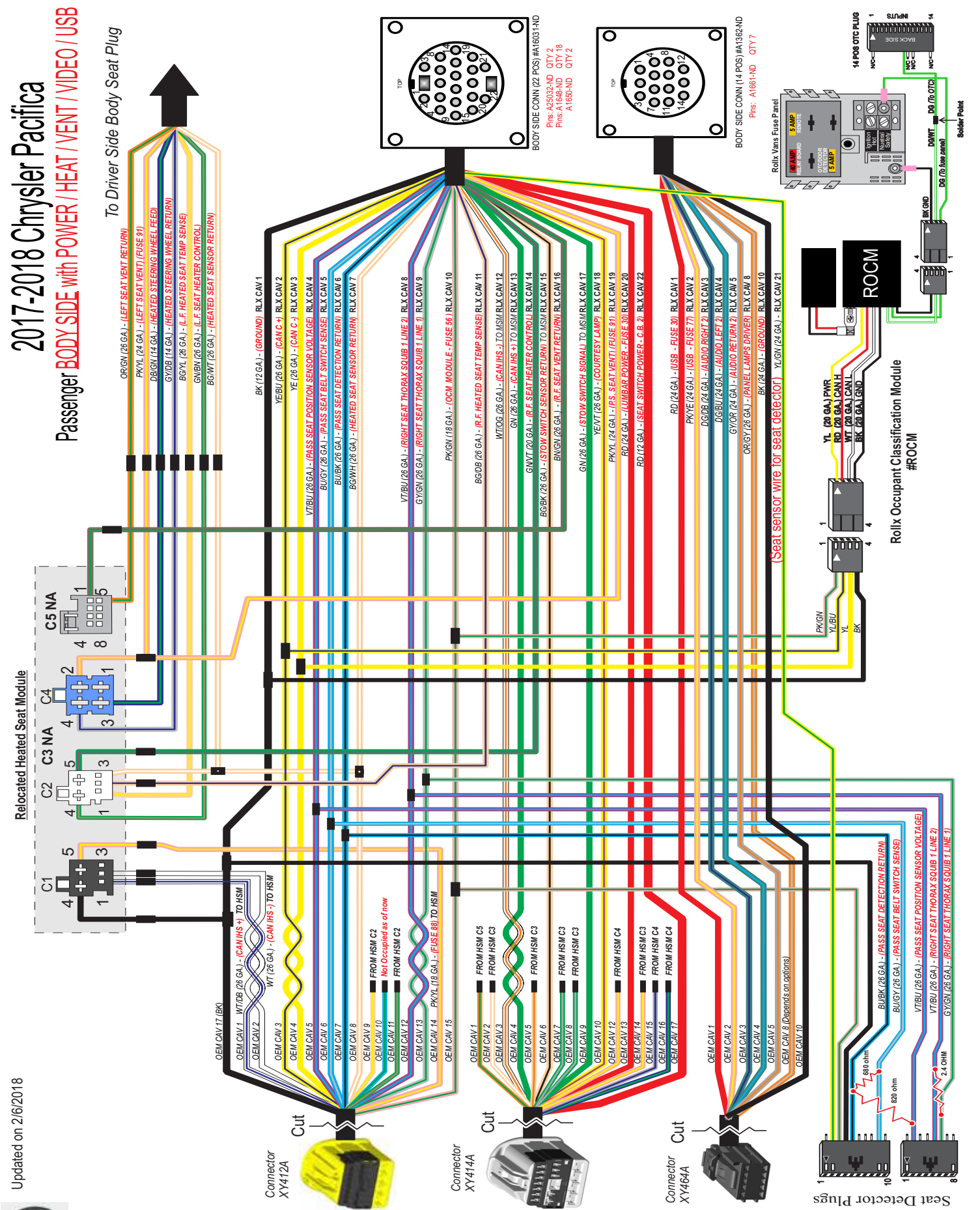
2017-2018 Chrysler Pacifica

Passenger SEAT SIDE with POWER / HEAT / VIDEO / USB

Relocated Heated Seat Module



Updated on 5/8/2019

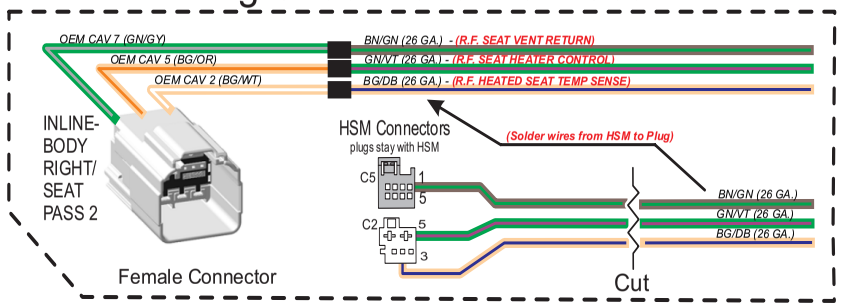


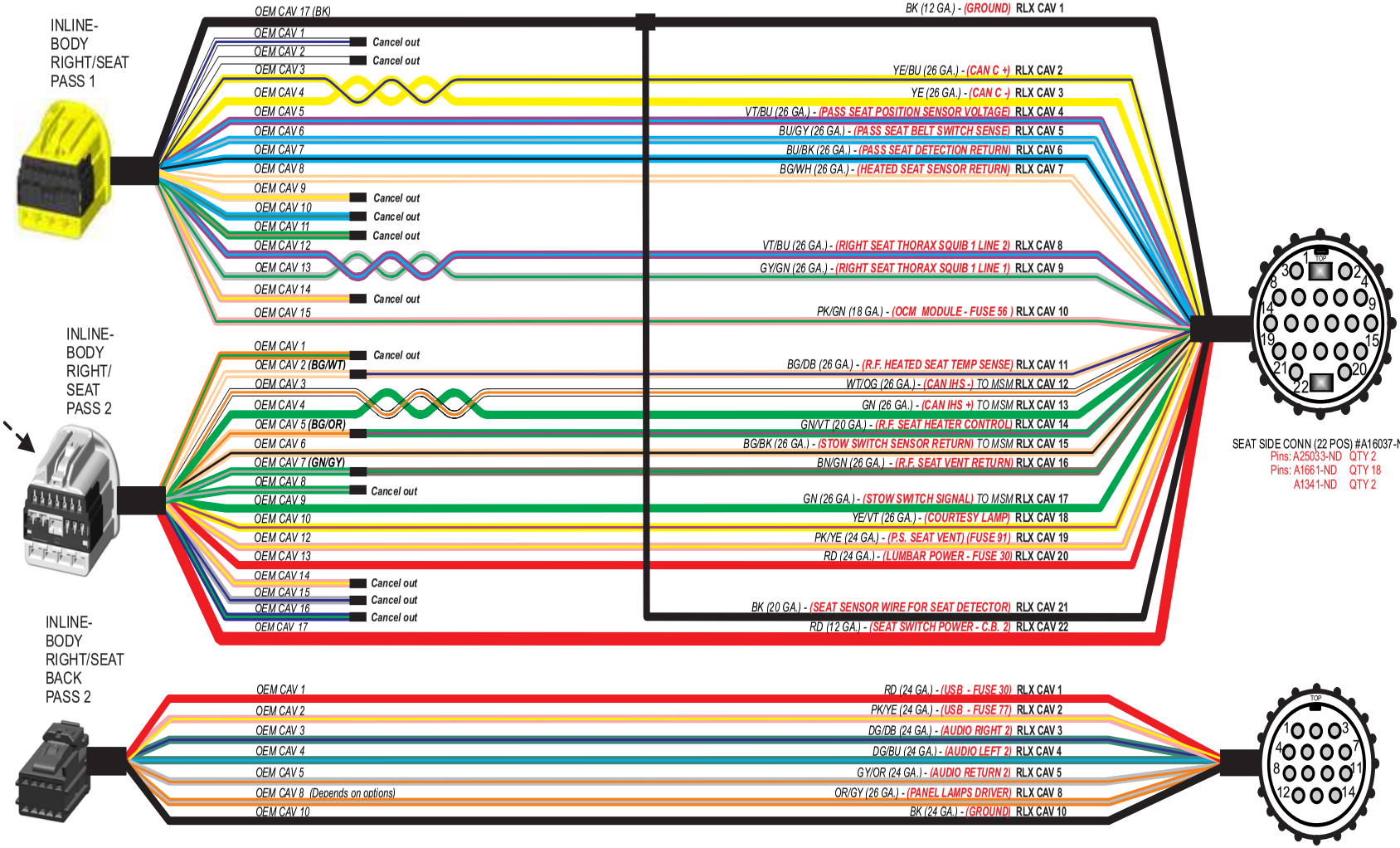
Updated on 2/6/2018

Updated on 3/2/2017

2017-2018 Chrysler Pacifica

Passenger SEAT SIDE with POWER / HEAT / VENT / VIDEO / USB



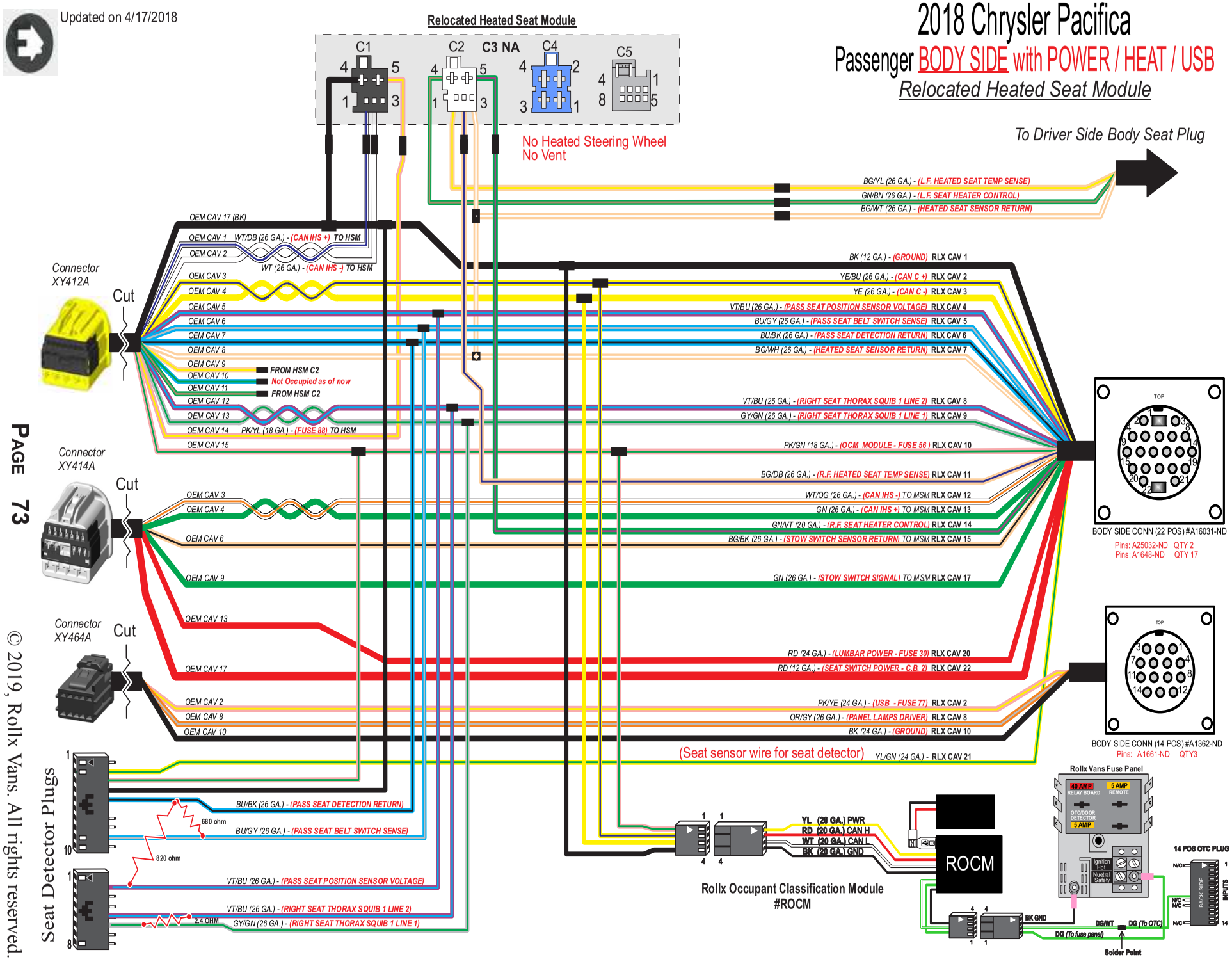


Updated on 4/17/2018

2018 Chrysler Pacifica

Passenger BODY SIDE with POWER / HEAT / USB

Relocated Heated Seat Module

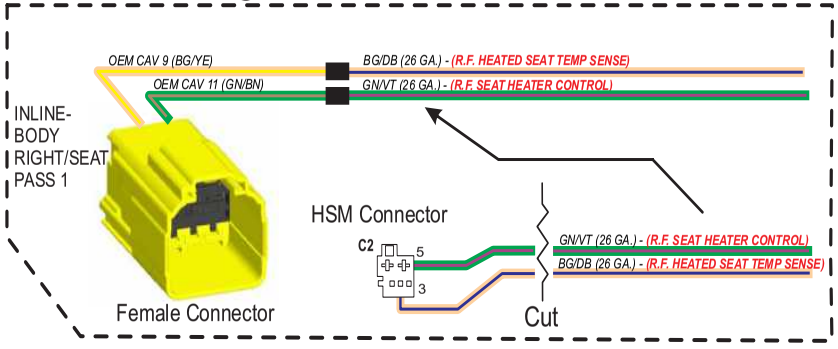


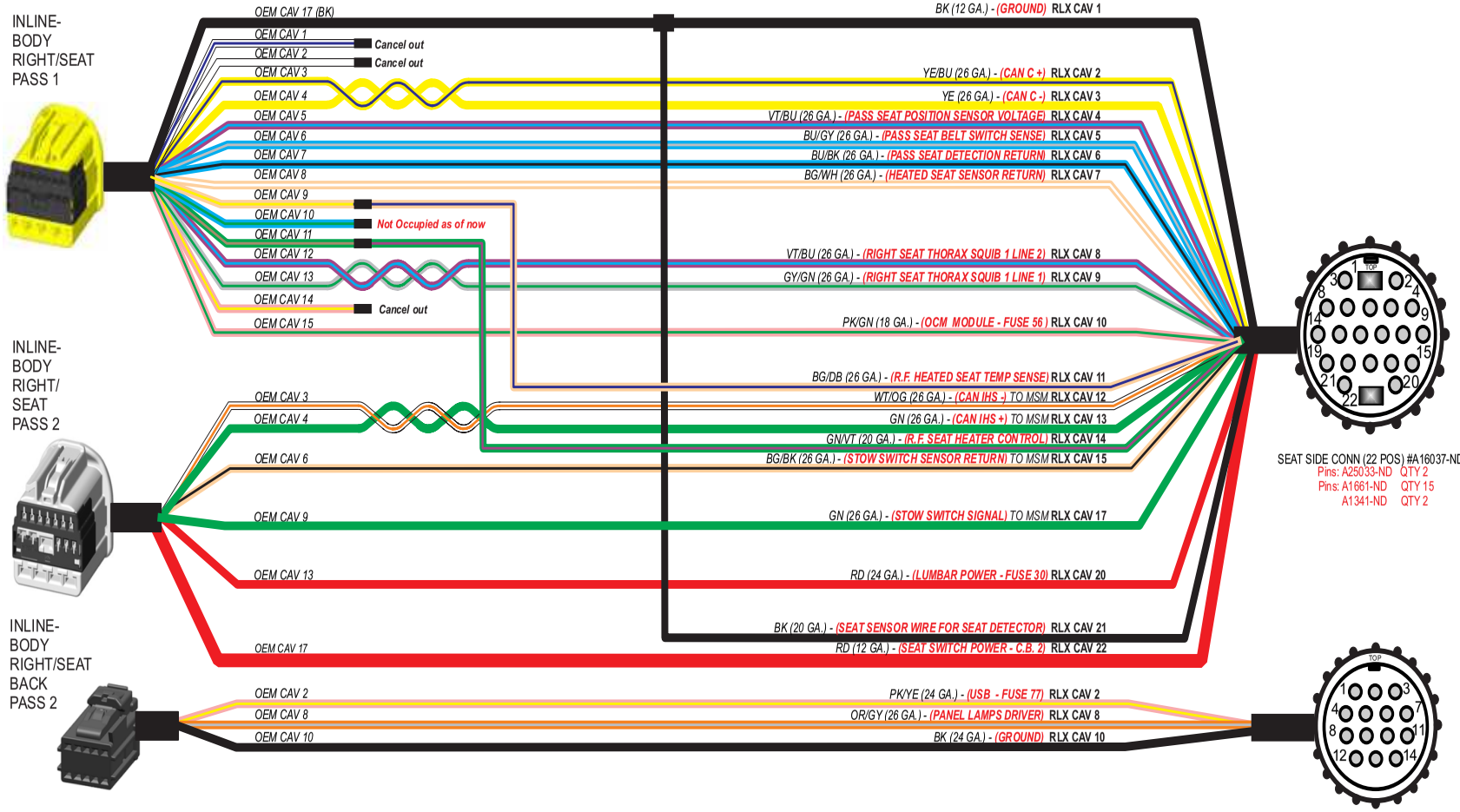
2018 Chrysler Pacifica

Passenger SEAT SIDE with POWER / HEAT / USB

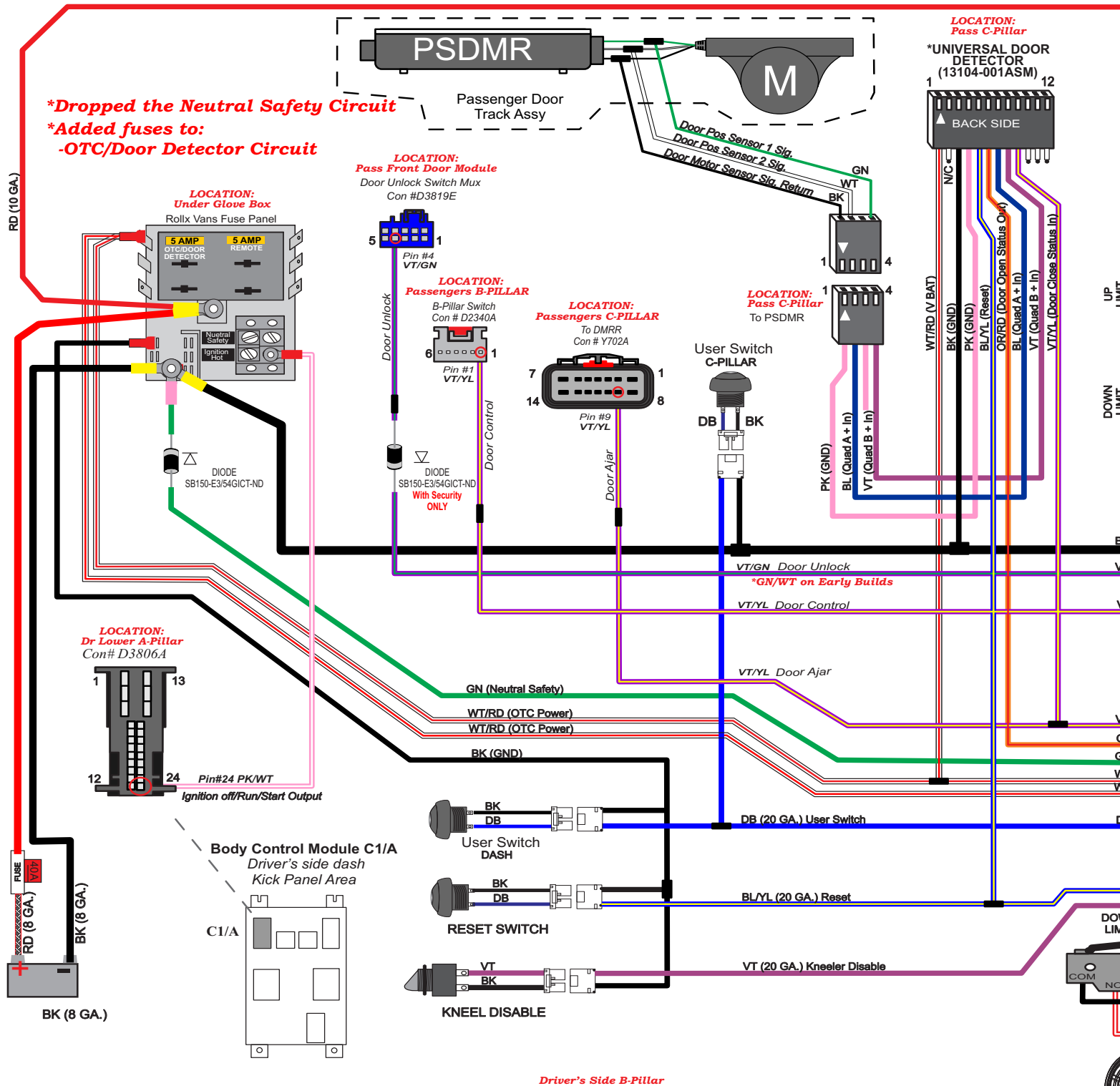
Relocated Heated Seat Module

Wiring Under Pass Front Seat





ROLLX VANS OTC W
ITF Harness V6/ OTC Board V

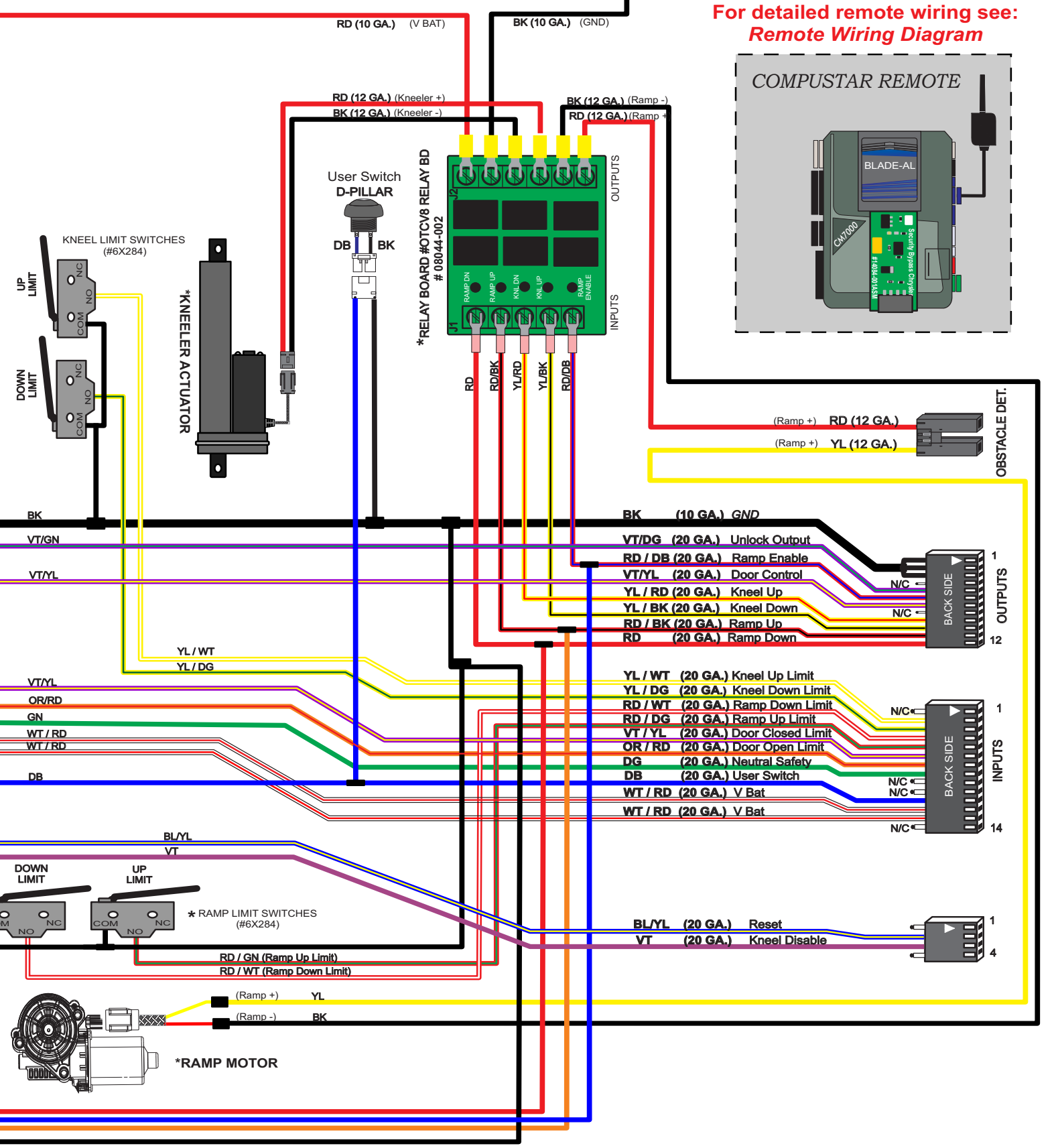


ECN #	Rollx Vans, Inc.
Effective Stock #: 48950	6591 West Highway 13
Effective Start Date: 11.9.2016	Savage, MN 55378
DRAWING #: 16332	952.890.7851
DRAWN BY: Jason Hodgkins	COPYRIGHT 2008
REVISION HISTORY: 16332-002 INITIAL RELEASE. 11/28/2016	

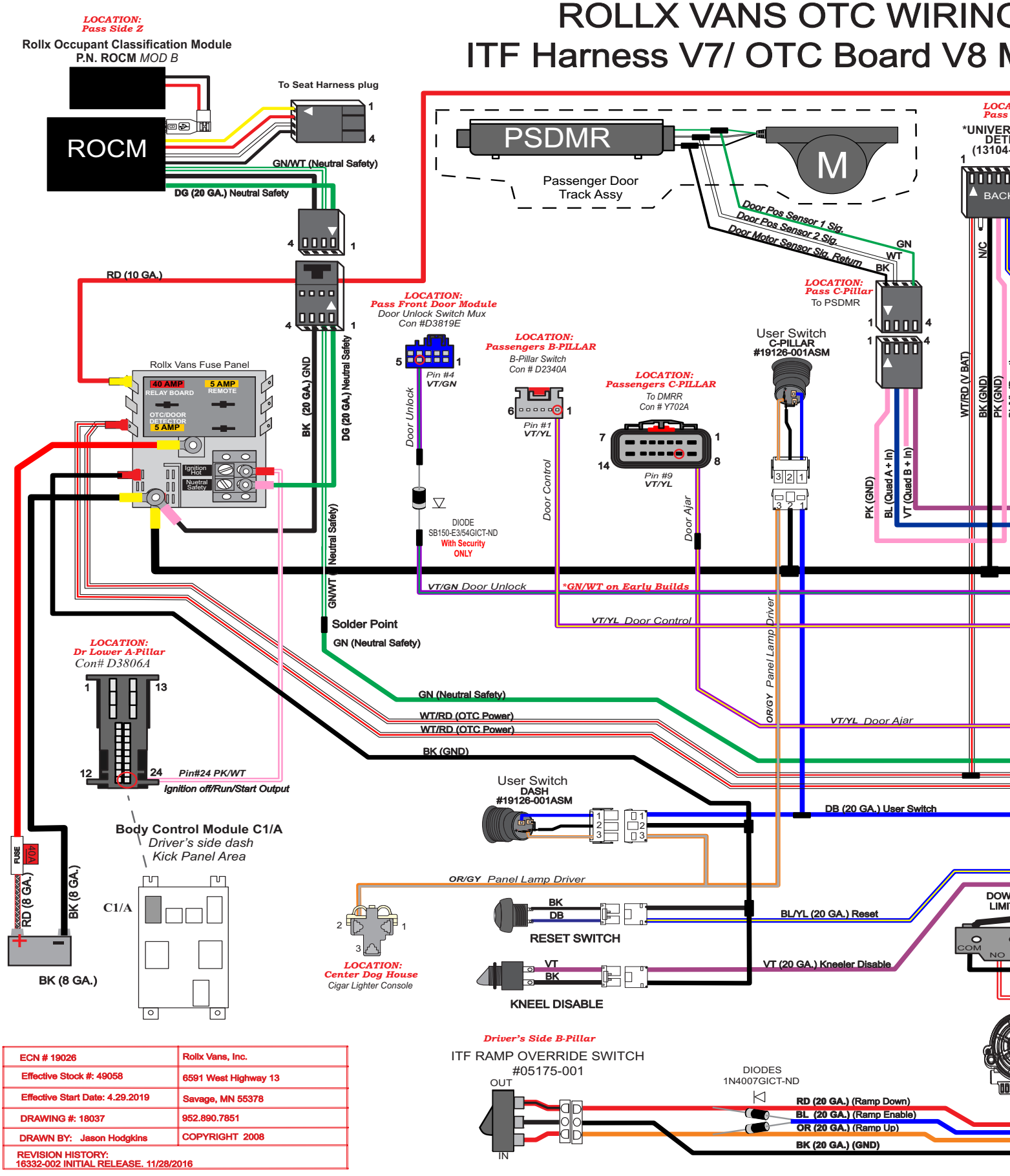
C WIRING DIAGRAM

H V8 MOD J-L (Pacifica 2017)

10/18/2018



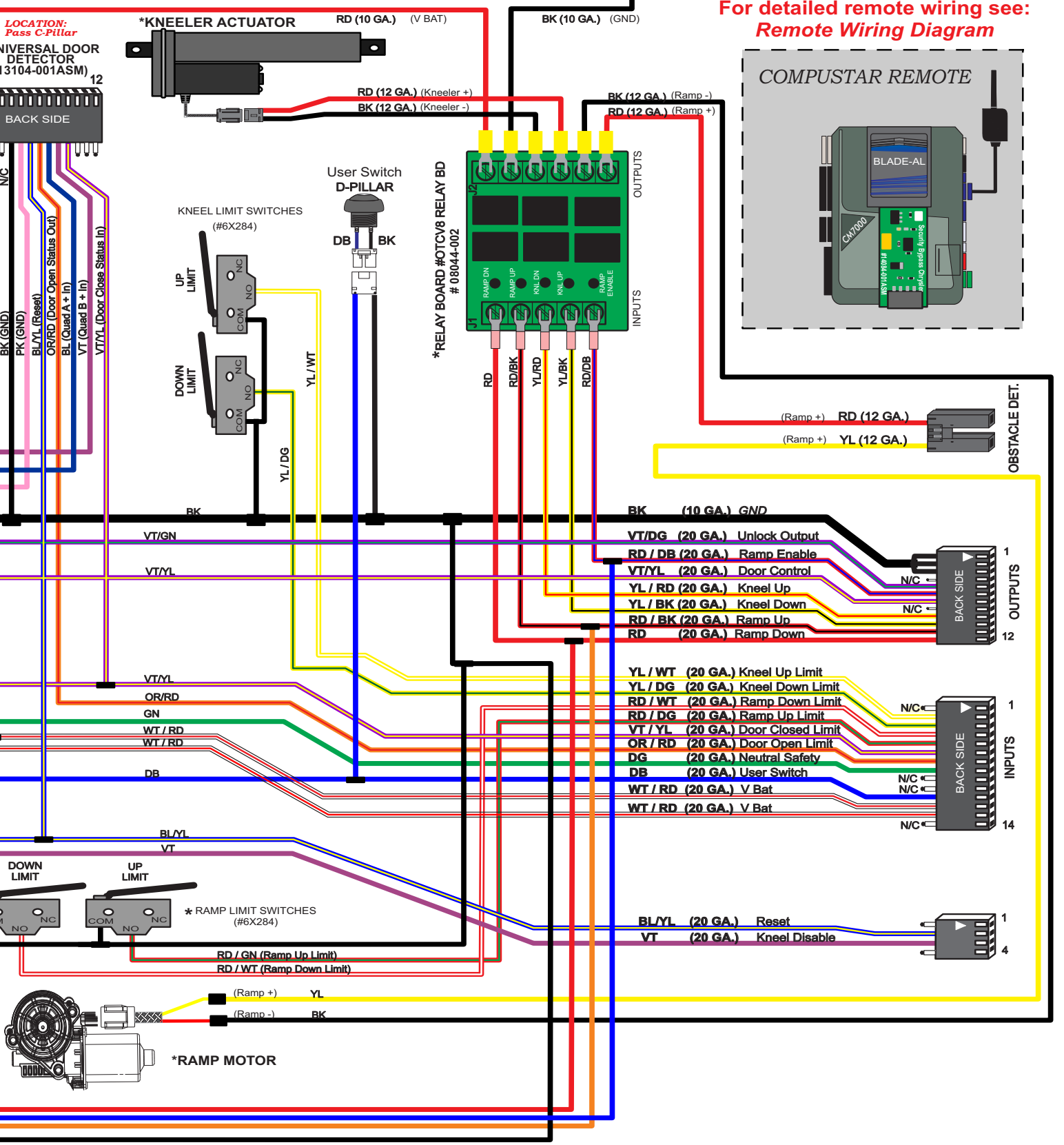
ROLLX VANS OTC WIRING
ITF Harness V7/ OTC Board V8 M



ECN # 19026	Rollx Vans, Inc.
Effective Stock #: 49058	6591 West Highway 13
Effective Start Date: 4.29.2019	Savage, MN 55378
DRAWING #: 18037	952.890.7851
DRAWN BY: Jason Hodgkins	COPYRIGHT 2008
REVISION HISTORY: 16332-002 INITIAL RELEASE. 11/28/2016	

NG DIAGRAM with ROCM
3 MOD J-L (Pacifica 2017-2019)

5/3/2019



Doors

Door track - Periodically make sure lower door track is free of debris and vacuum track out. Make certain to clear out any water and ice that may be present. In the front of each door track there are plugs that can be removed to allow an air hose to be inserted to help remove debris.

Rollx Vans power door (If equipped) - Every 6 months lube the gear rack (bar) with a high quality white lithium grease. Make sure to clean off any old grease first.

Kneel System

Kneel chain - Every 6 months spray the chain inside the rubber boot with a high quality oil to lubricate and protect. DO NOT USE WD40.

Ramps

Folding ramp - Every 6 months spray the ramp's lower and upper hinge with high quality silicon lubricant.

In The Floor ramp - Every 6 months spray the ramp access cover's flap hinge with a high quality silicon lubricant. Also spray the two silver strips on the underside of the ramp to reduce friction.

New Rollx Vans Van Warranty Coverage Information

Rollx Vans provides a limited warranty on its minivan against defects in material or workmanship for a period of 3 years or 36,000 miles, whichever comes first. For warranty specifics please refer to an Owner's Manual or contact Rollx Vans Customer Service.

For all warranty or reimbursement needs, you must have prior authorization by the Rollx Vans Service Department.

1. Call 1-800-956-6668, and a Rollx Vans Customer Service Representative will assist you in any concerns or issues you have with your van.

2. The service representative will evaluate what repair is needed, and either set up an appointment with an "At Home" Service Technician or direct you to a nearby service facility. An authorization number must be issued.

Rollx Vans will work with many repair facilities. Rollx Vans reserves the right to approve a repair shop or recommend an alternative.

Rollx Vans may request that defective/damaged parts be returned to our Customer Service Department for inspection. If parts are found to be damaged because of abuse or neglect, reimbursement for the new replacement parts may be denied. Rollx Vans reserves the right to use rebuilt components.

Rollx Vans will ship all warranted replacement parts by nationwide carrier. In most cases, shipment will be by ground transport and absorbed by Rollx Vans. Any other mode of transportation will be at the expense of the customer.

Our Mission

To improve the quality of life of people with disabilities of all income levels by delivering the best modified vehicle.

We intend to keep that customer for life by following up with a level of service that exceeds all of their expectations.

Our Values

Quality • Compassion • Honesty • Integrity • Fairness