

DESCRIPTION > AUTOMATIC DIMMING MIRRORS SYSTEM DESCRIPTION CONTROL/FUNCTION (2013-18)

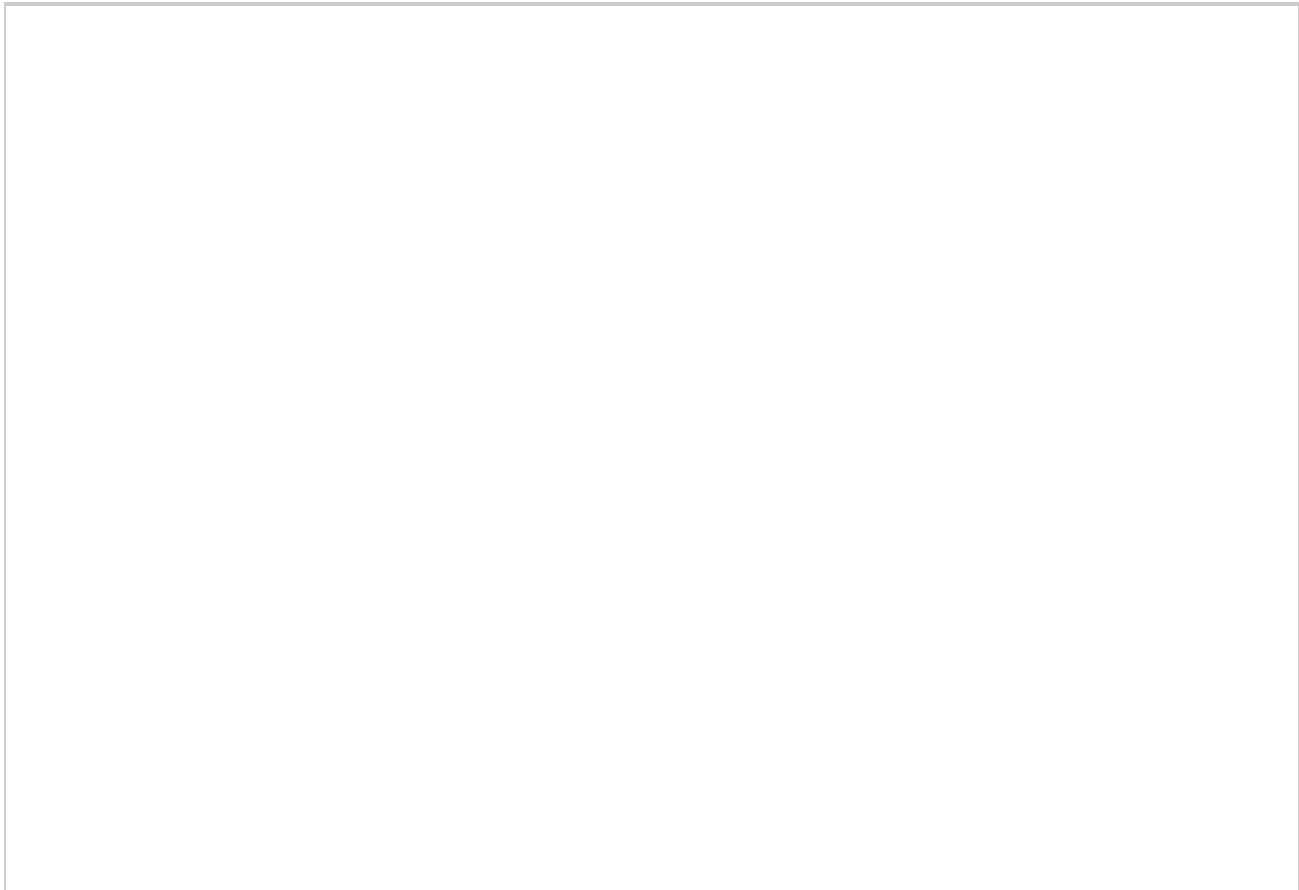
Basic Control/Function

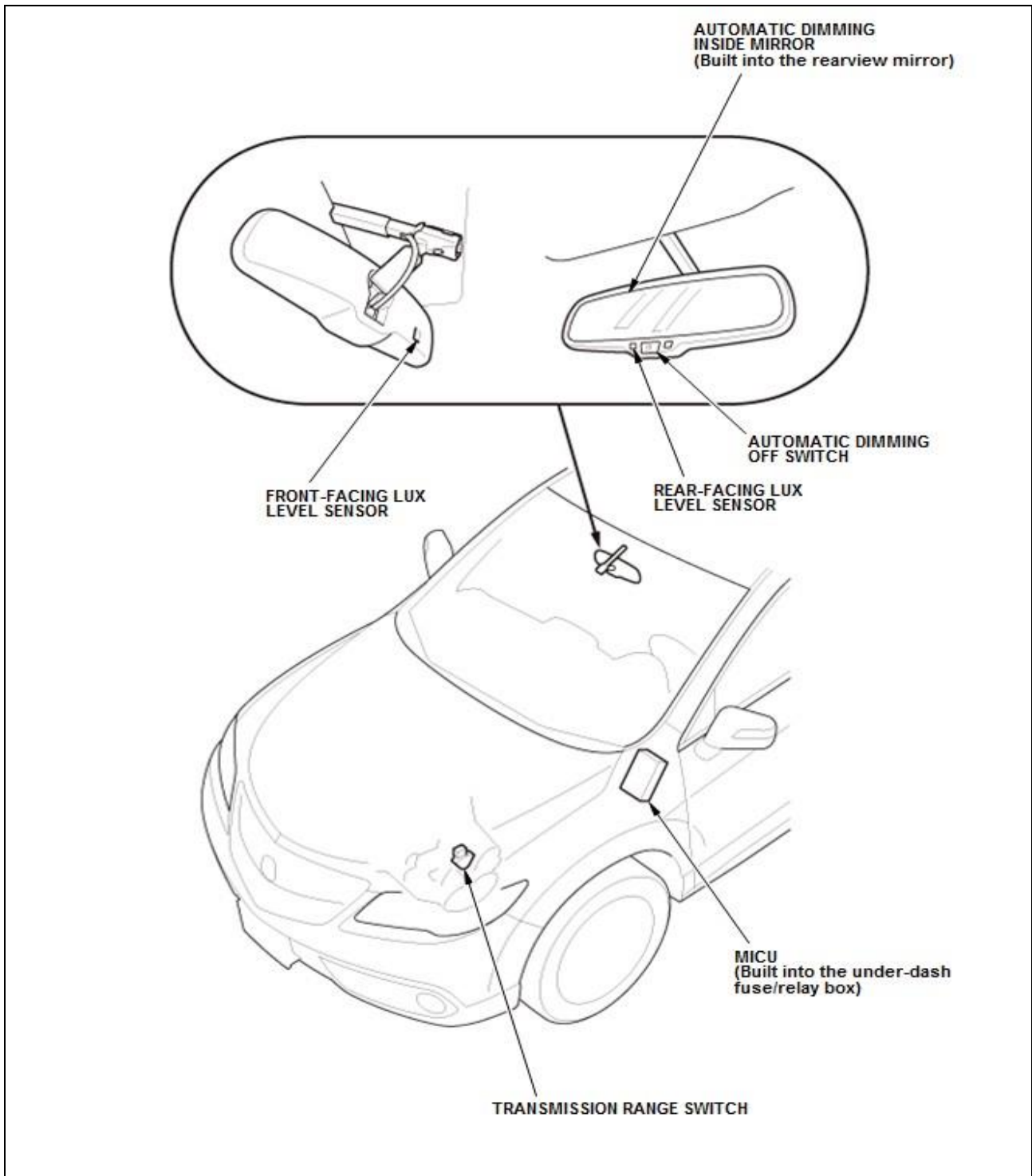
Based on each signal, the control unit judges whether the light at the rear of the vehicle is stronger than the light sensed at its front. The control unit judges if the light sensed by the rear-facing lux level sensor is brighter than the light from the front-facing lux level sensor, it transmits a signal relaying that information to the drive circuit. When shifting the transmission to R position/mode, the while automatic dimming control is in operation, the automatic dimming is turns off. When shifting the transmission out of R position/mode, the automatic dimming control function is reactivated.

When the automatic dimming off button is turned ON, the control unit receives signals from each sensor. Based on the difference between the two lux levels (the light outside the vehicle and the light from the headlights of the other vehicle, etc.) the control unit controls the electro-chromic gel to reduce glare.

DESCRIPTION > AUTOMATIC DIMMING MIRRORS SYSTEM DESCRIPTION OVERVIEW (2013-15)

The automatic dimming inside mirror has a front-facing lux level sensor, rear-facing lux level sensors, and control unit. This dimming function is canceled when the shift lever is in R position, or when the automatic dimming off button is turned OFF.

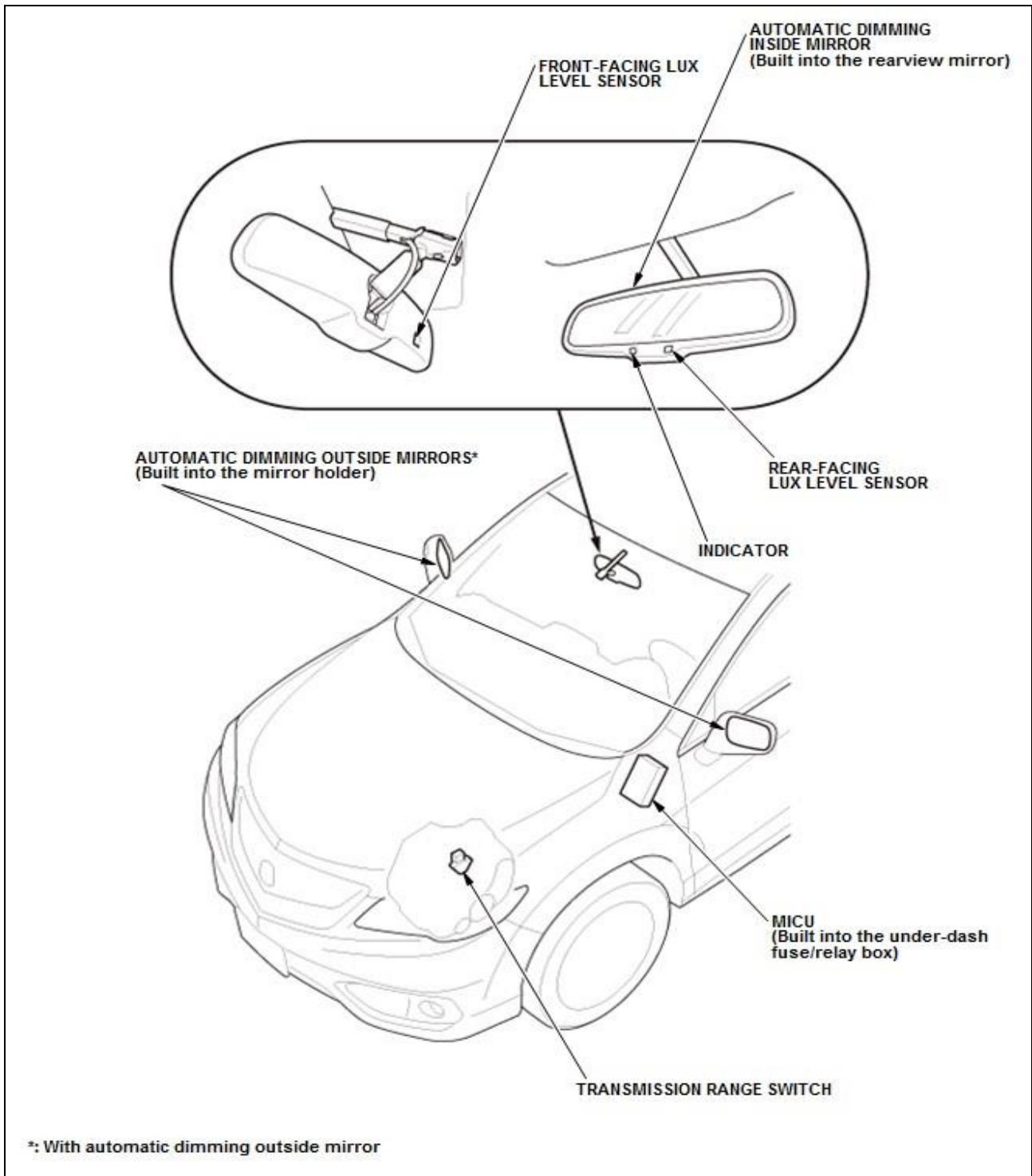




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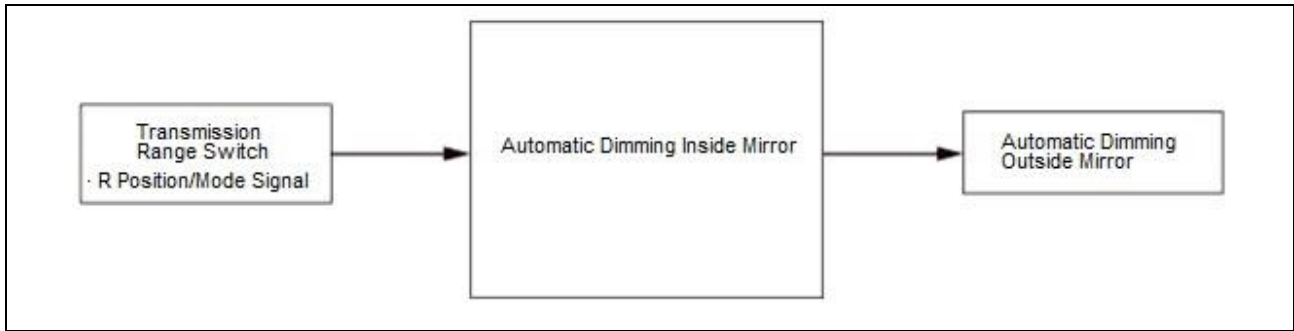
DESCRIPTION > AUTOMATIC DIMMING MIRRORS SYSTEM DESCRIPTION OVERVIEW (2016-18)

The automatic dimming inside mirror has a front-facing lux level sensor, rear-facing lux level sensors, and control unit. This dimming function is canceled when the shift position is in the R position/mode.



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DESCRIPTION > AUTOMATIC DIMMING MIRRORS SYSTEM DESCRIPTION - SYSTEM DIAGRAM (2016-18)



Courtesy of HONDA, U.S.A., INC.

DESCRIPTION > POWER MIRRORS SYSTEM DESCRIPTION - COMPONENTS (201318)

Power Mirror

The power mirror has built into the power mirror actuator and power mirror defogger.

Power Window Master Switch

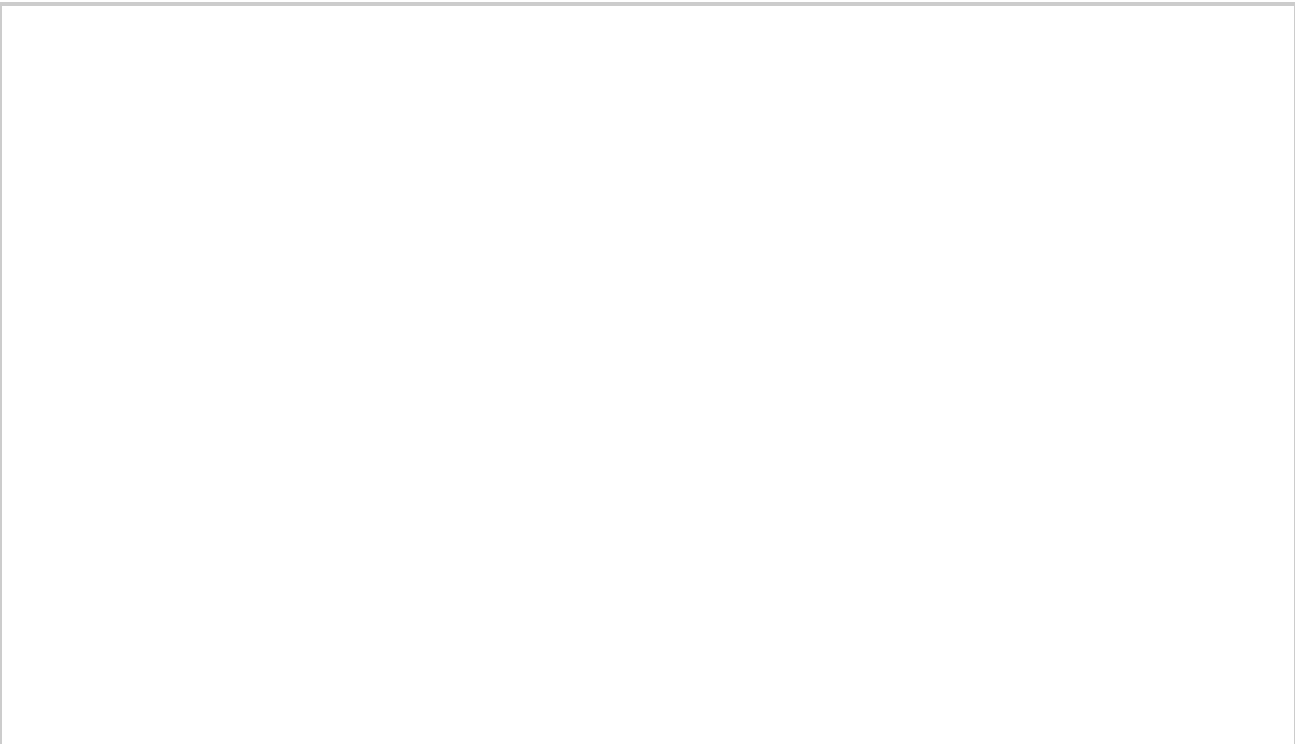
The power window master switch is installed in the driver's door panel, and door multiplex control unit built into the power window master switch.

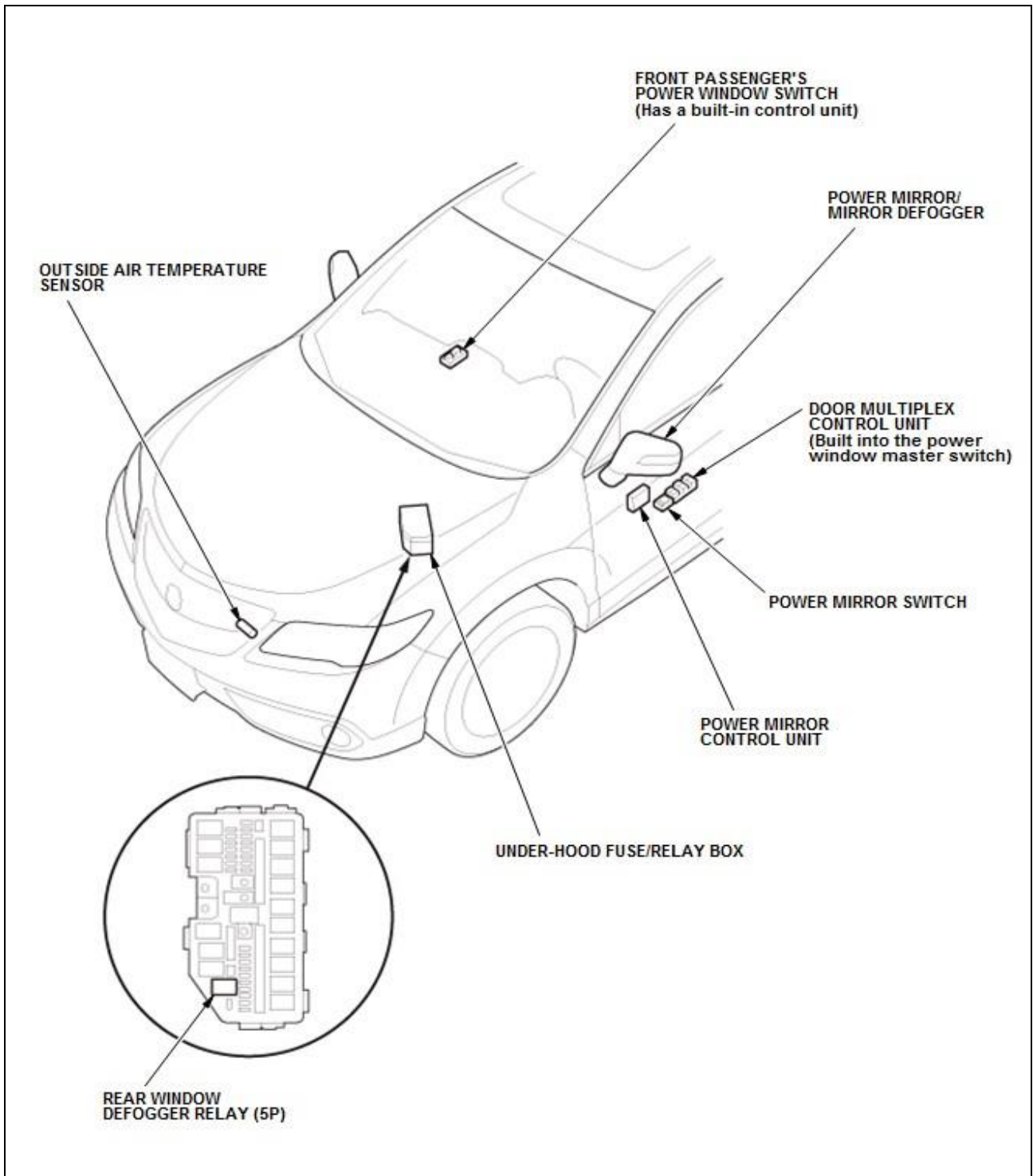
Front Passenger's Power Window Switch

The front passenger's power window switch controls the front passenger's side power mirror actuator, and installed front passenger's door panel, and control unit built into the front passenger's power window switch.

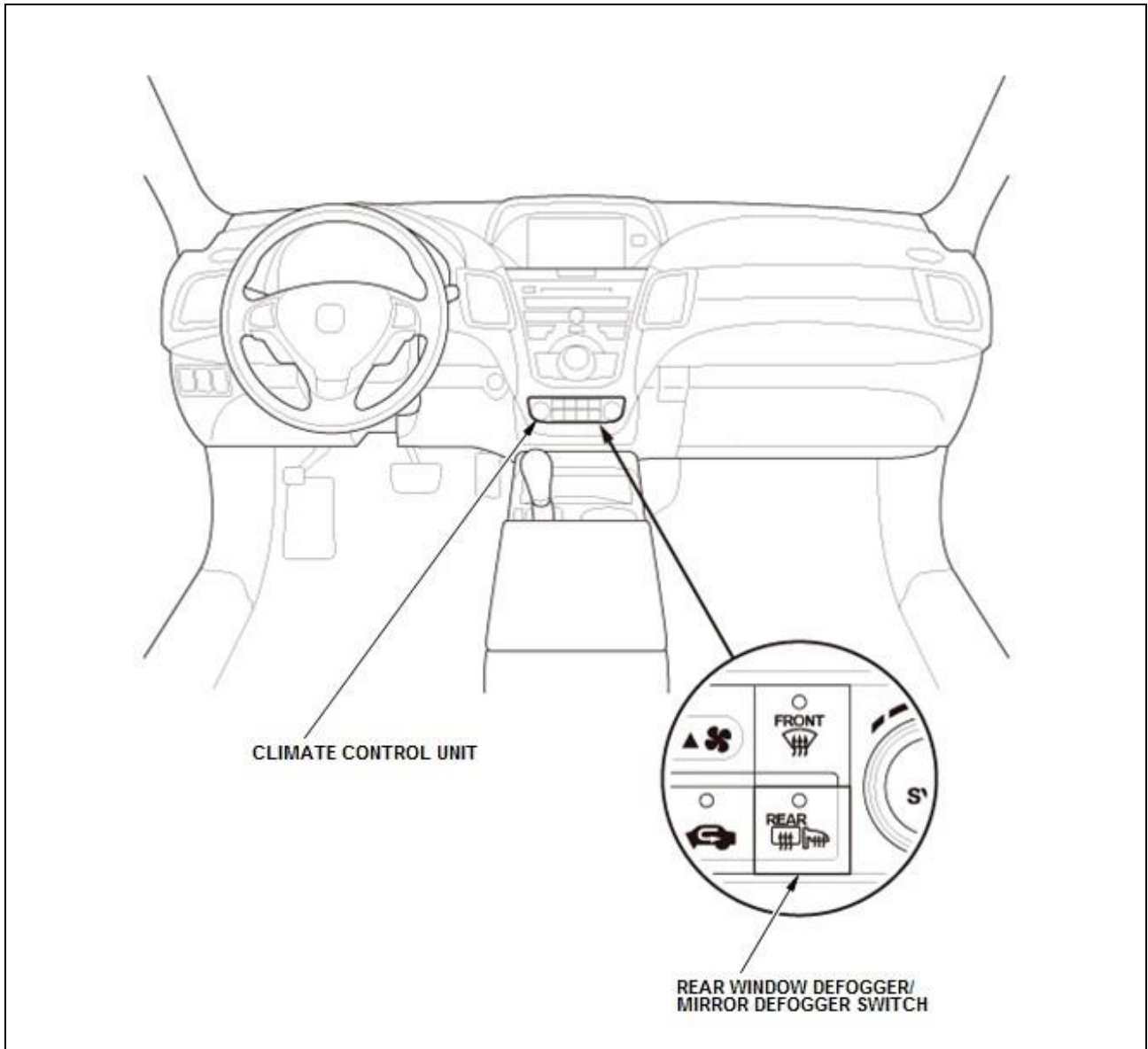
DESCRIPTION > POWER MIRRORS SYSTEM DESCRIPTION - OVERVIEW (2013-18)

All cars of this model come equipped with the remote controlling door mirrors and mirror defogger.



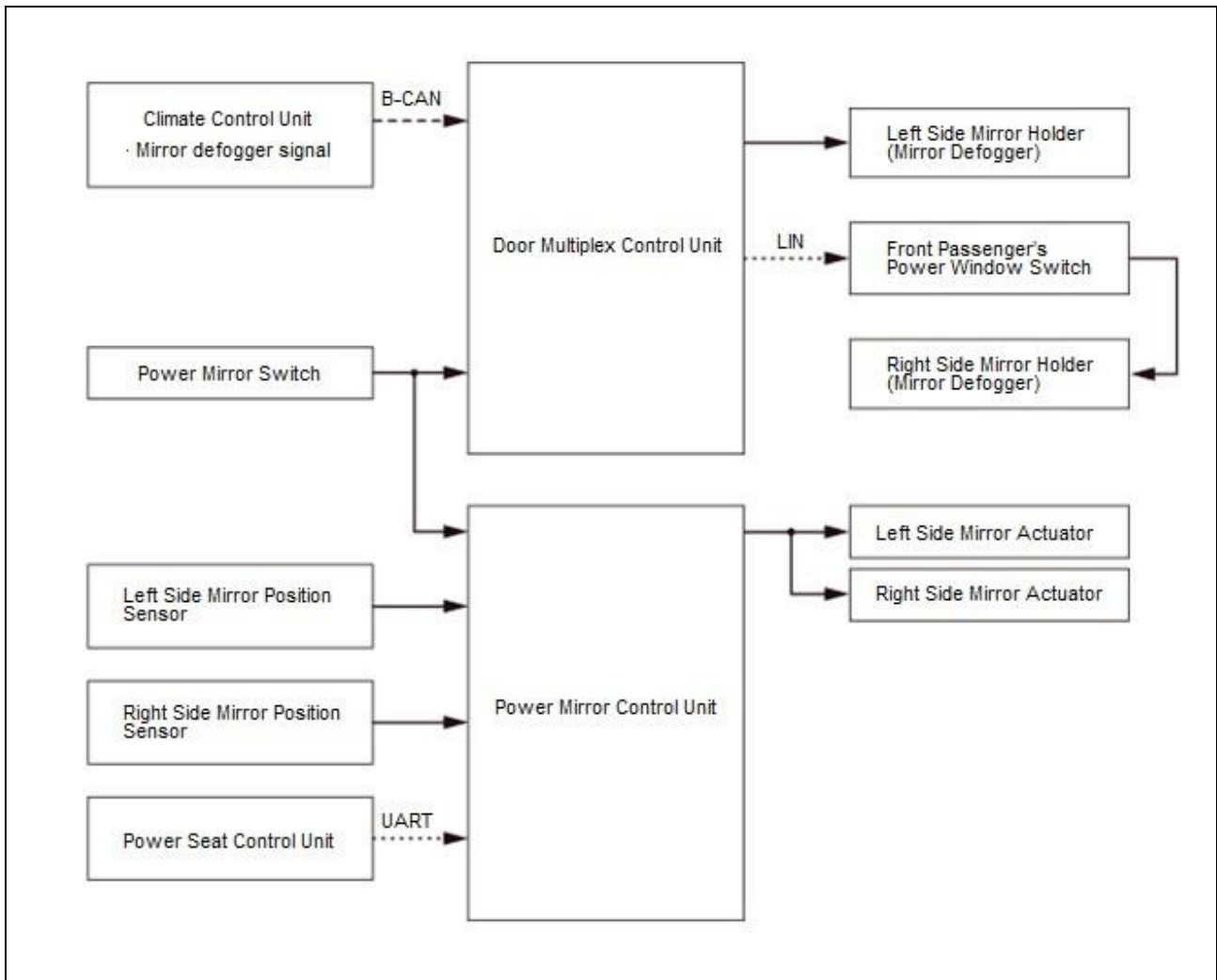


Courtesy of HONDA, U.S.A., INC.



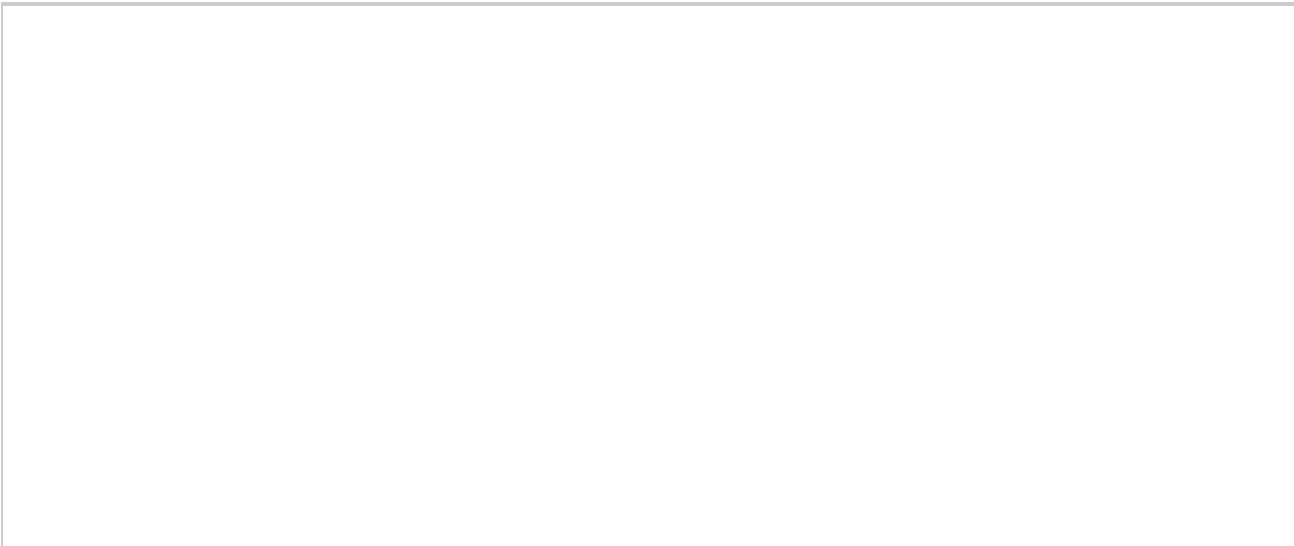
Courtesy of HONDA, U.S.A., INC.

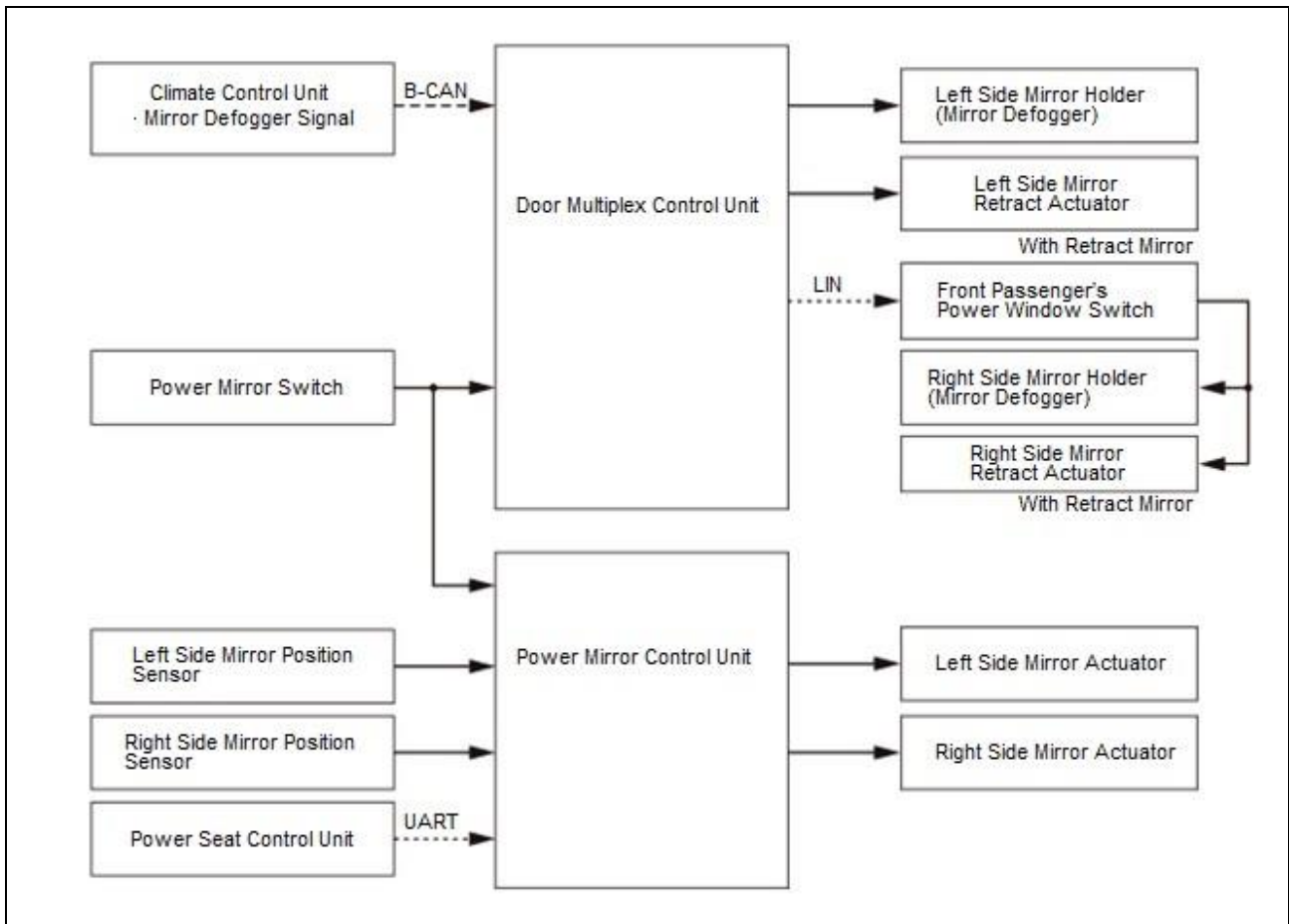
**DESCRIPTION > POWER MIRRORS SYSTEM DESCRIPTION - SYSTEM DIAGRAM
(2013-15)**



Courtesy of HONDA, U.S.A., INC.

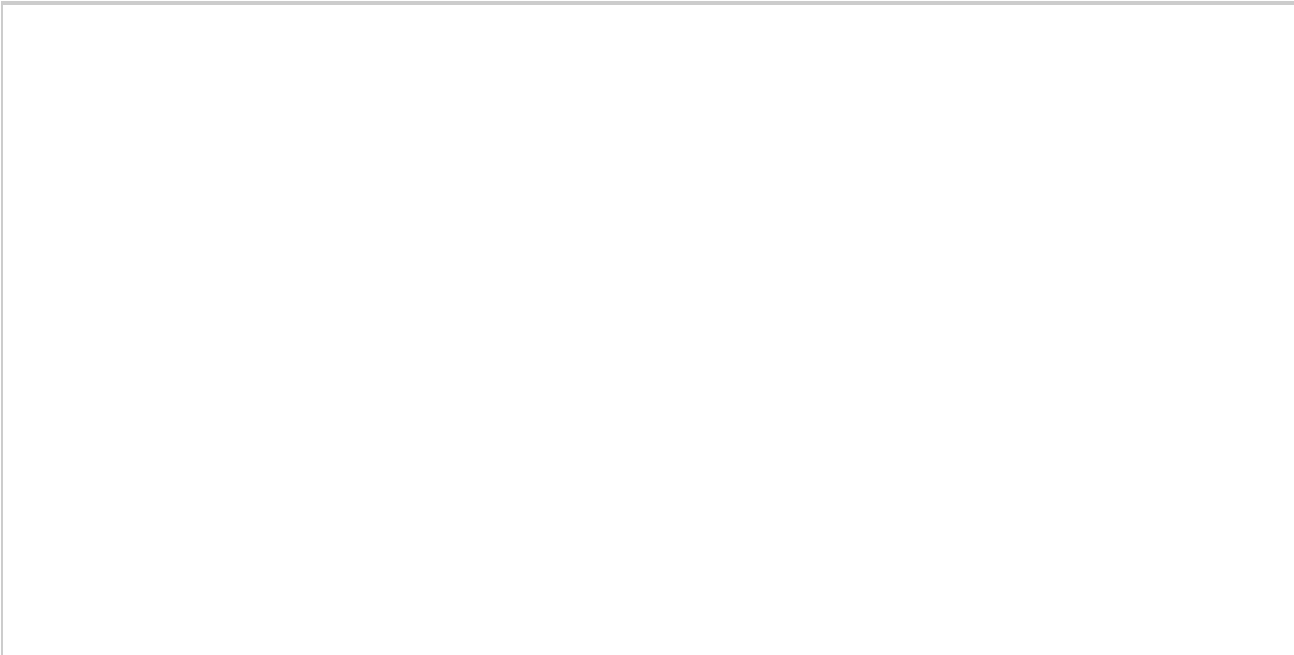
DESCRIPTION > POWER MIRRORS SYSTEM DESCRIPTION - SYSTEM DIAGRAM (2016-18)

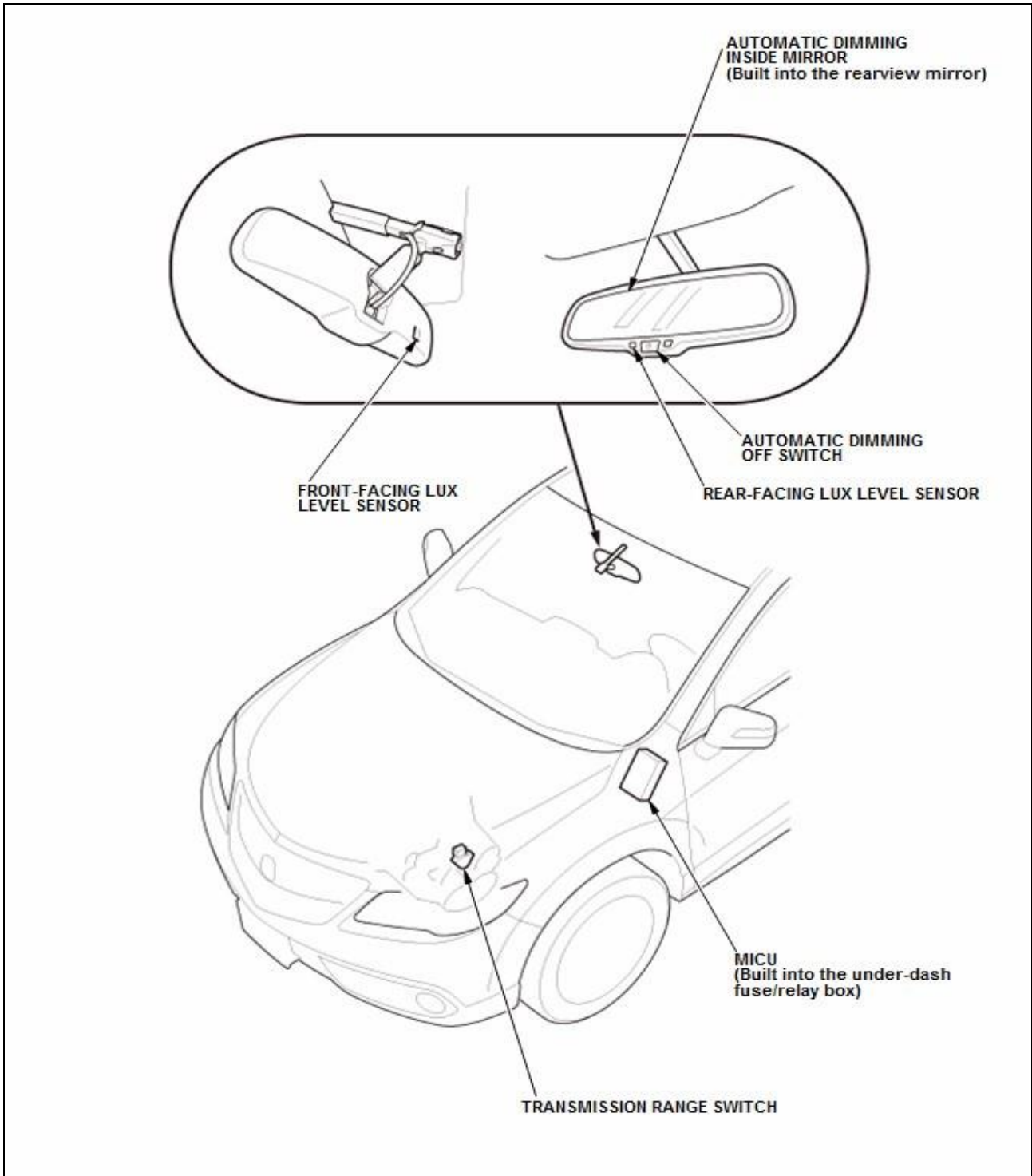




Courtesy of HONDA, U.S.A., INC.

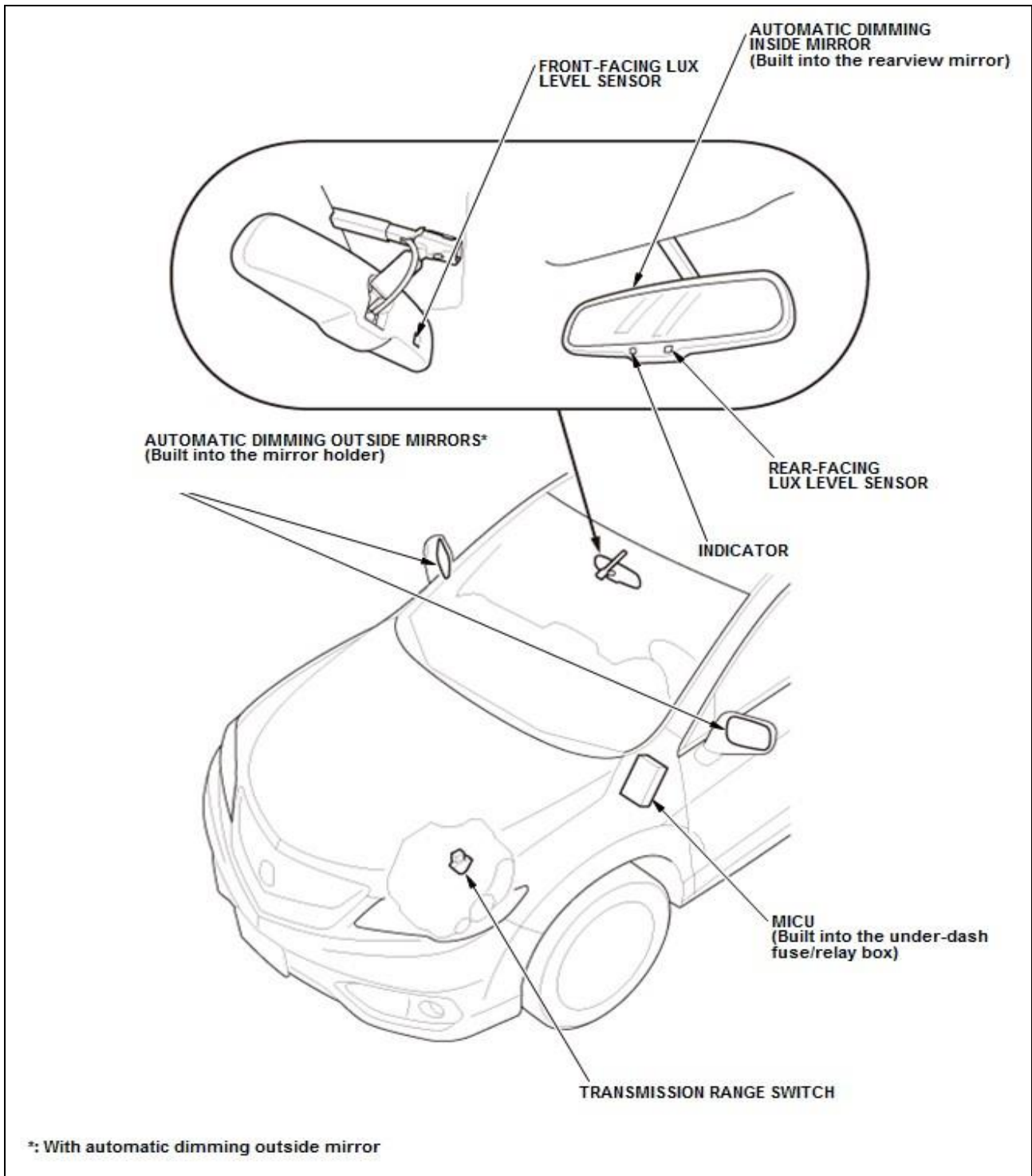
**COMPONENT LOCATION INDEX > AUTOMATIC DIMMING MIRRORS ELECTRICAL
COMPONENT LOCATION INDEX (2013-15)**





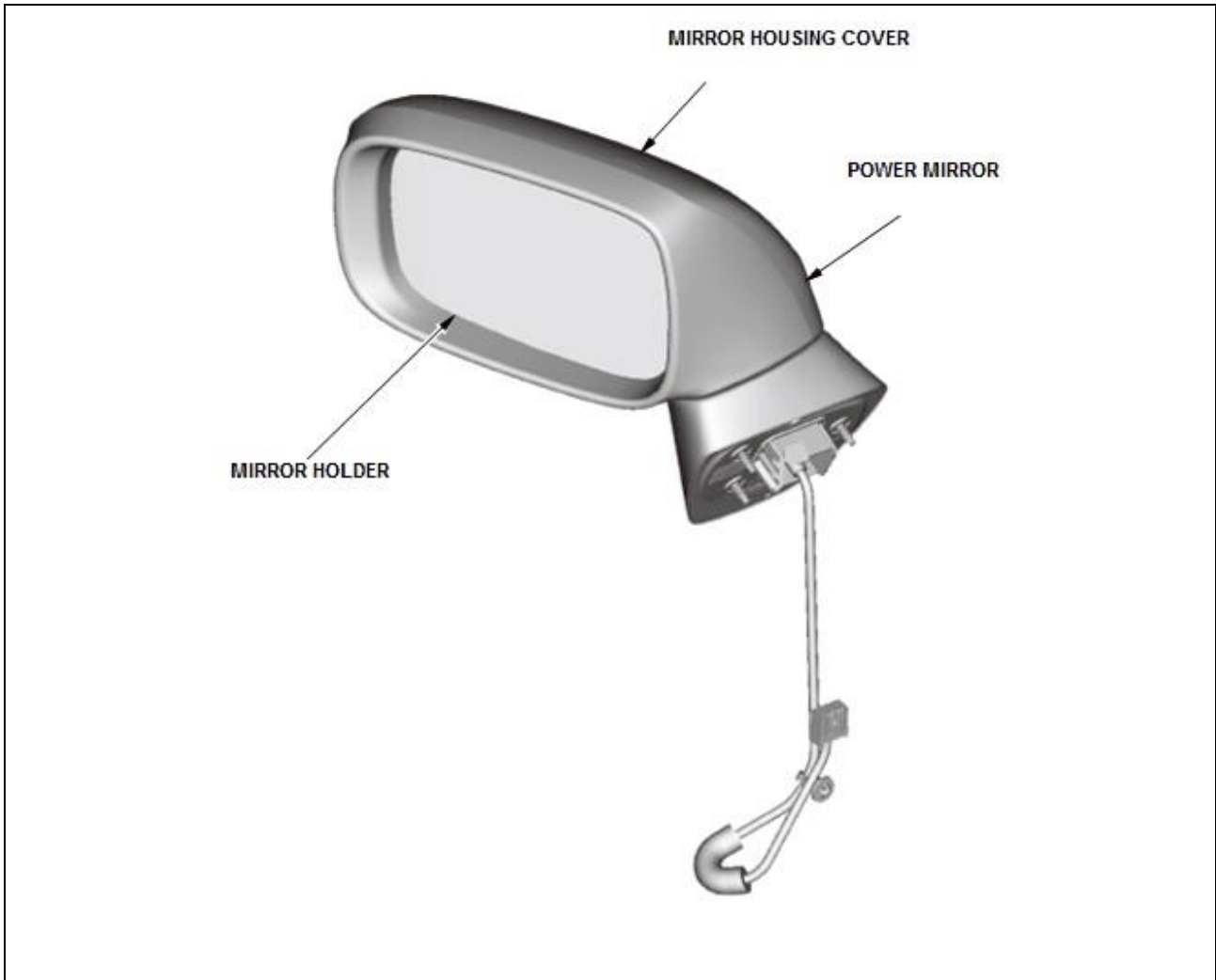
Courtesy of HONDA, U.S.A., INC.

COMPONENT LOCATION INDEX > AUTOMATIC DIMMING MIRRORS ELECTRICAL COMPONENT LOCATION INDEX (2016-18)

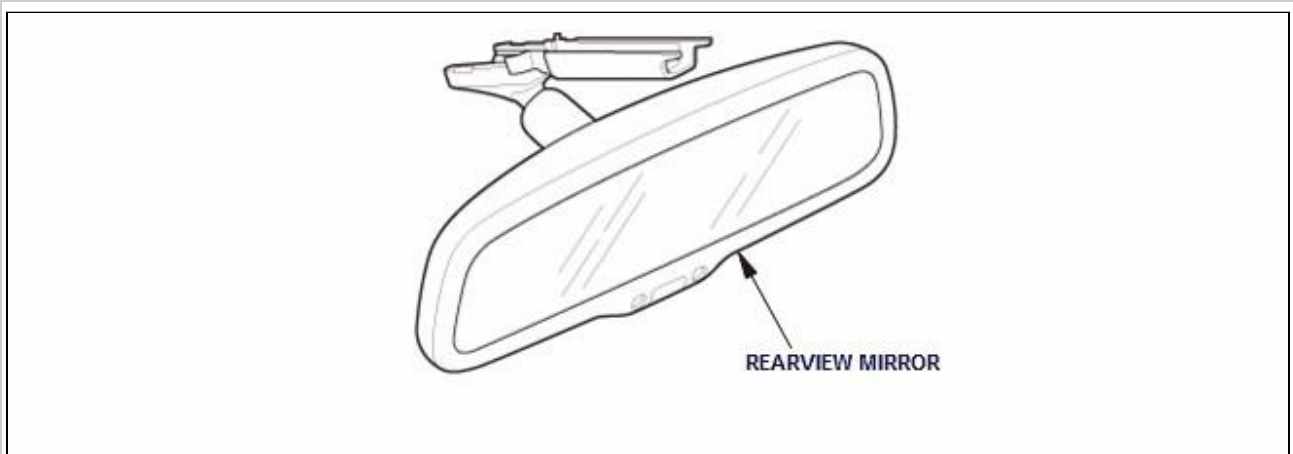


Courtesy of HONDA, U.S.A., INC.

COMPONENT LOCATION INDEX > MIRRORS COMPONENT LOCATION INDEX (201318)

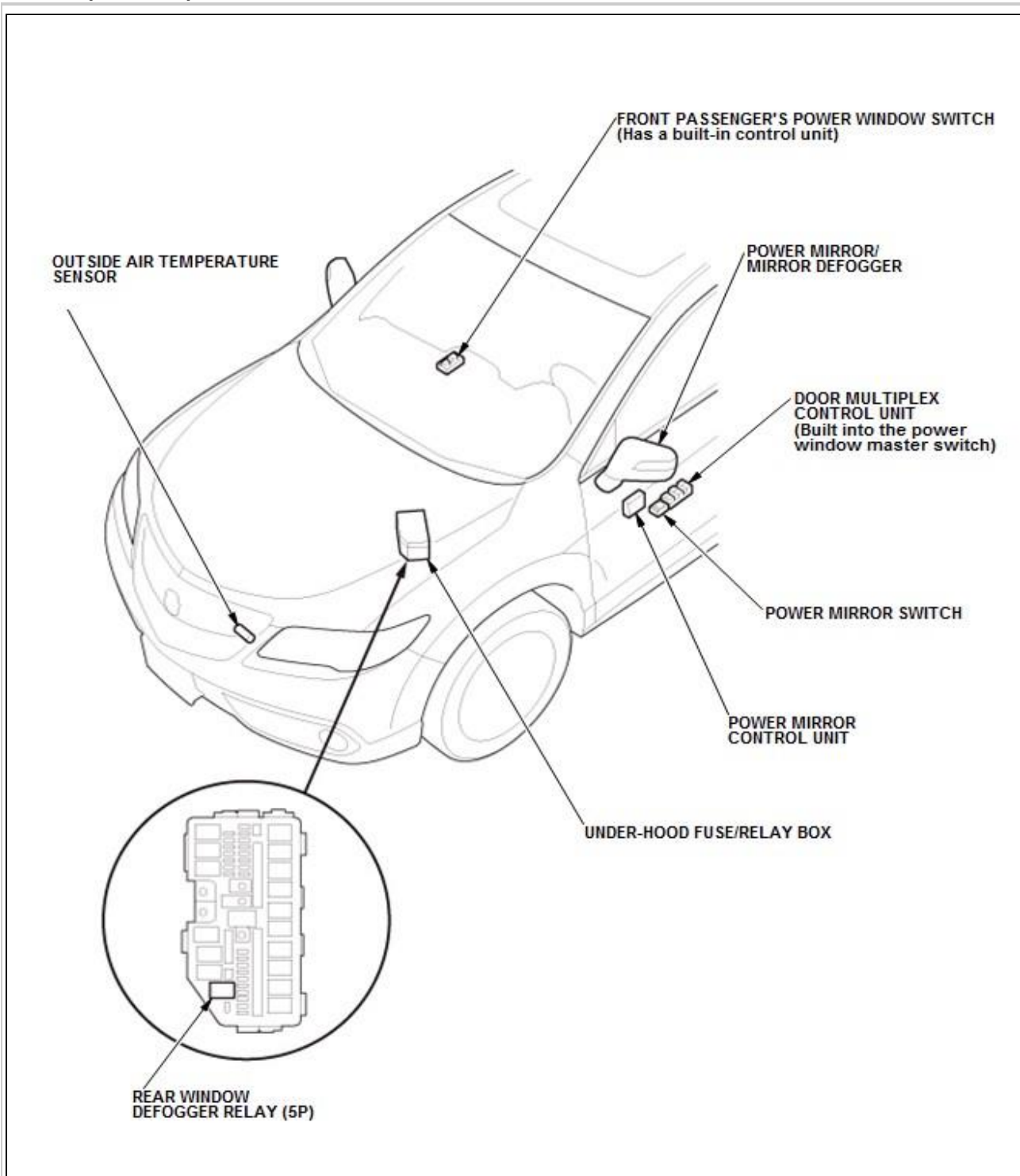


Courtesy of HONDA, U.S.A., INC.

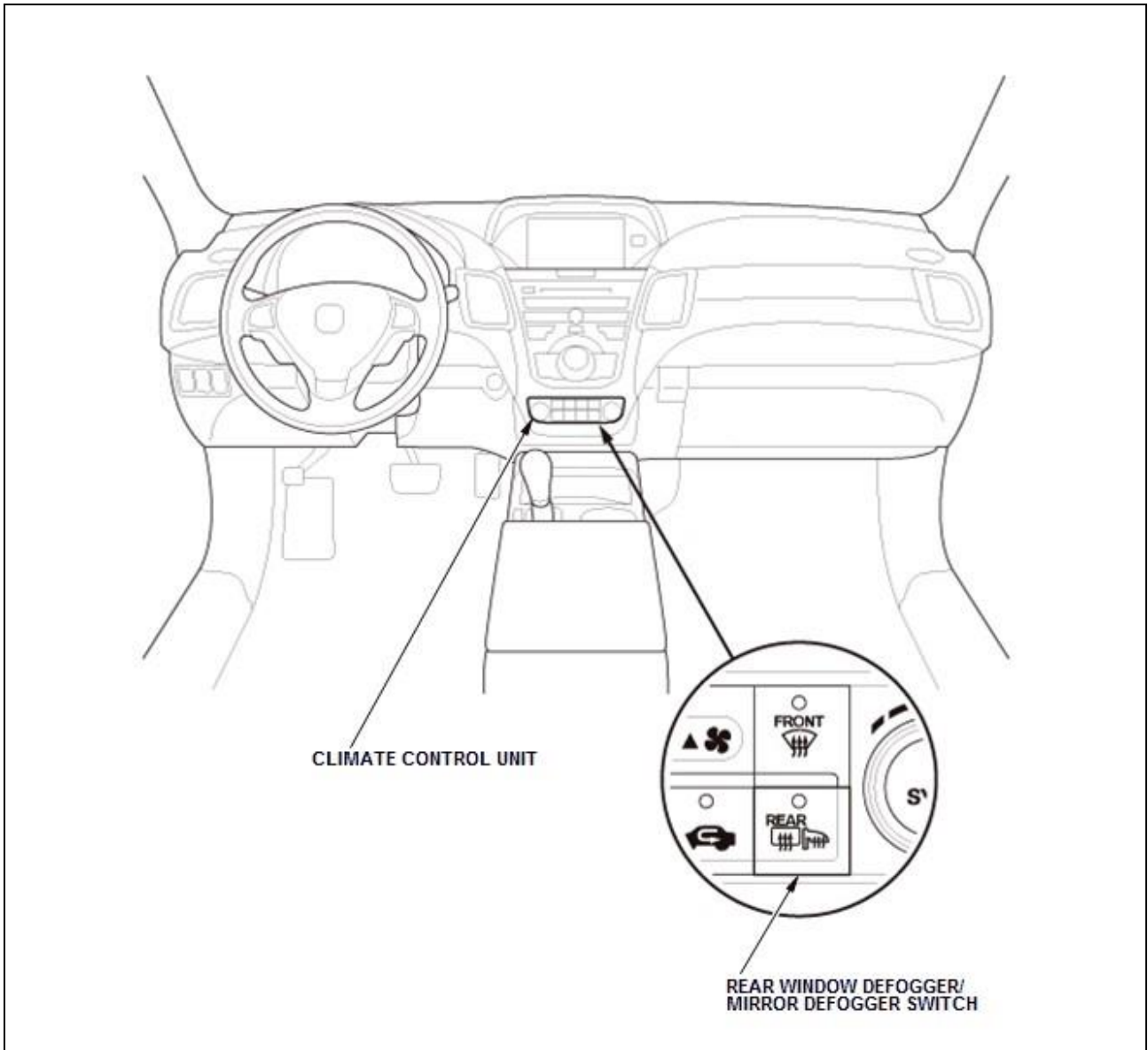


Courtesy of HONDA, U.S.A., INC.

COMPONENT LOCATION INDEX > POWER MIRRORS COMPONENT LOCATION INDEX (2013-15)

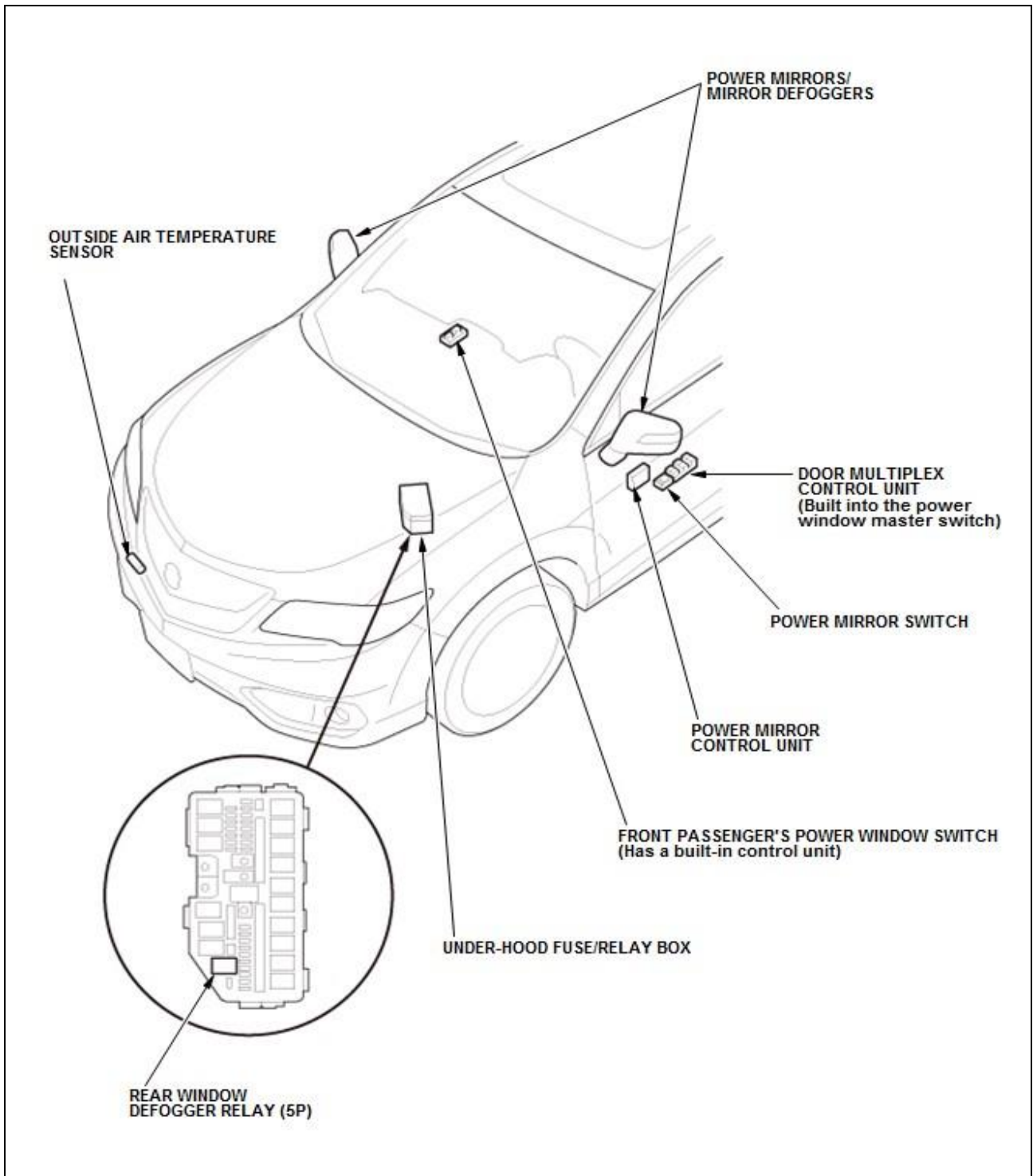


Courtesy of HONDA, U.S.A., INC.

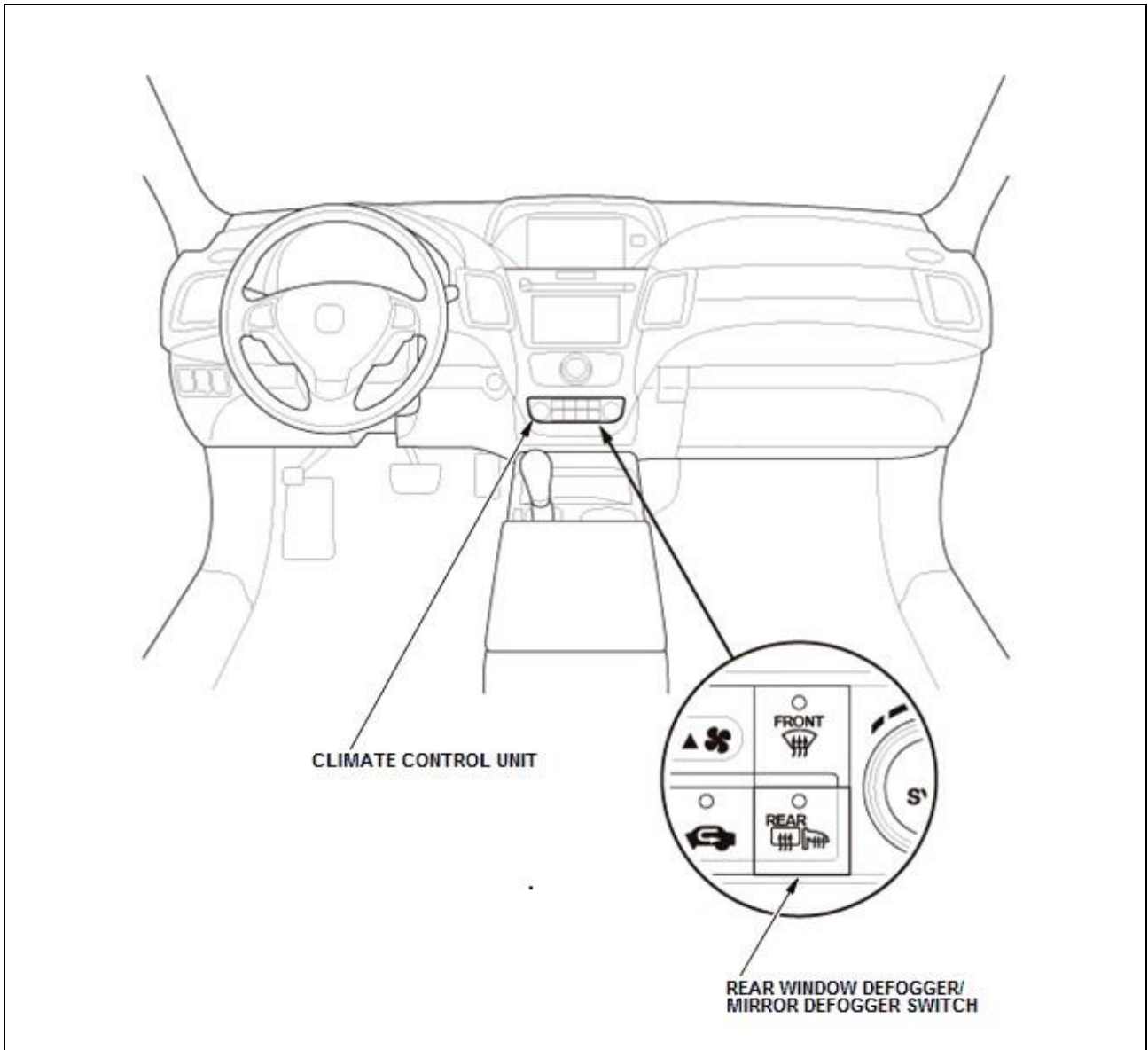


Courtesy of HONDA, U.S.A., INC.

COMPONENT LOCATION INDEX > POWER MIRRORS COMPONENT LOCATION INDEX (2013-18)

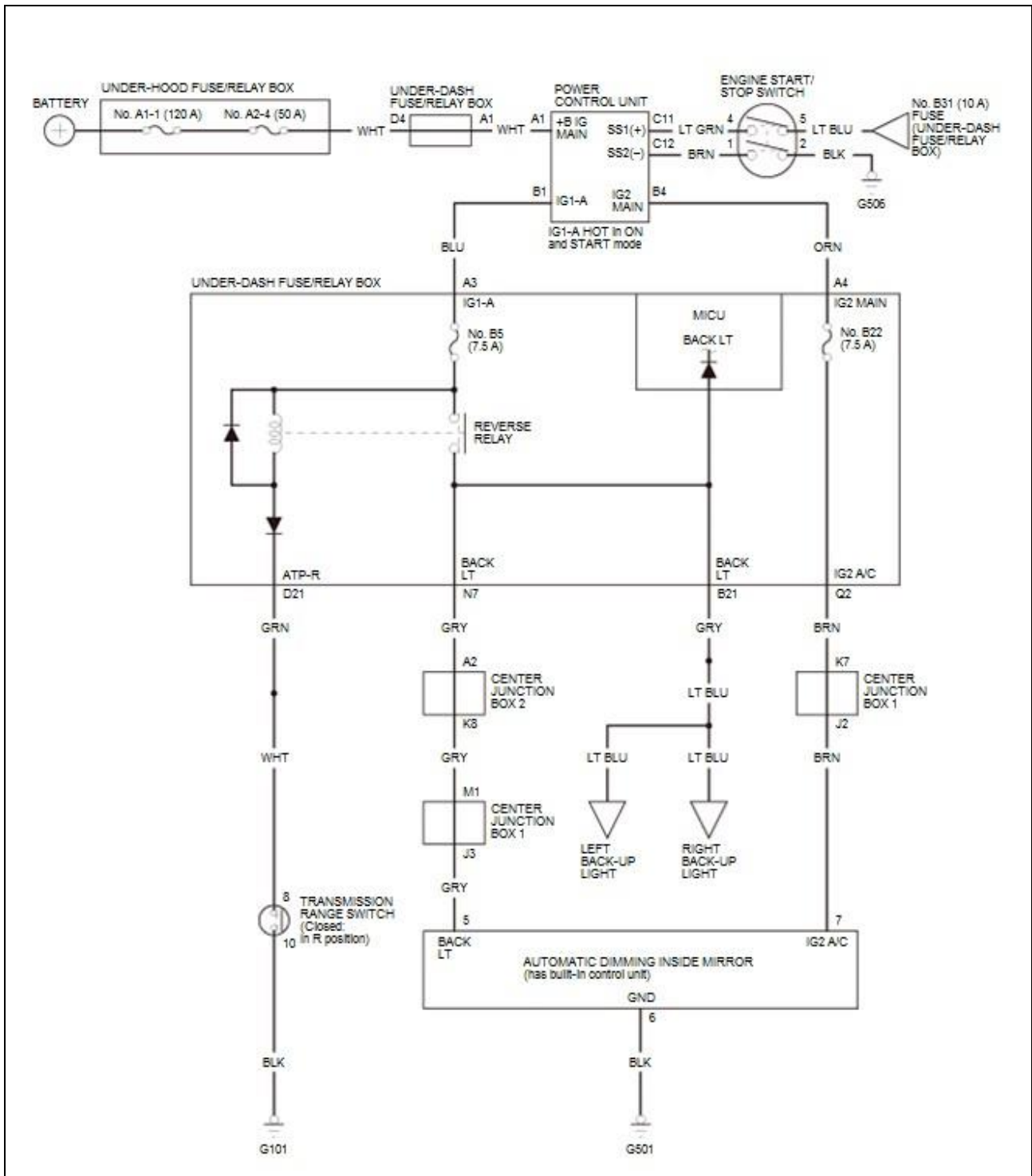


Courtesy of HONDA, U.S.A., INC.



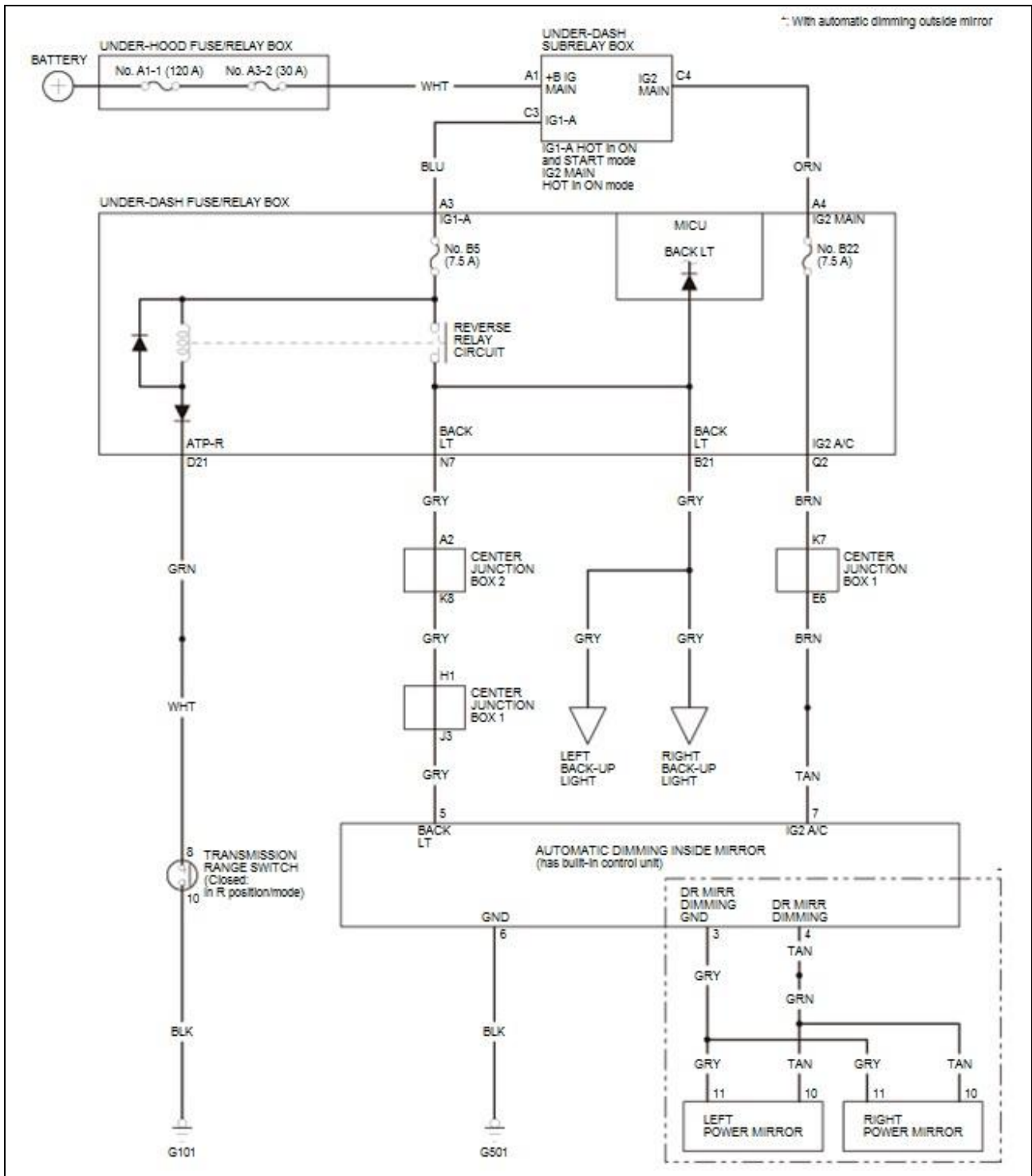
Courtesy of HONDA, U.S.A., INC.

CIRCUIT DIAGRAM > AUTOMATIC DIMMING MIRRORS CIRCUIT DIAGRAM (2013-15)



Courtesy of HONDA, U.S.A., INC.

CIRCUIT DIAGRAM > AUTOMATIC DIMMING MIRRORS CIRCUIT DIAGRAM (2016-18)



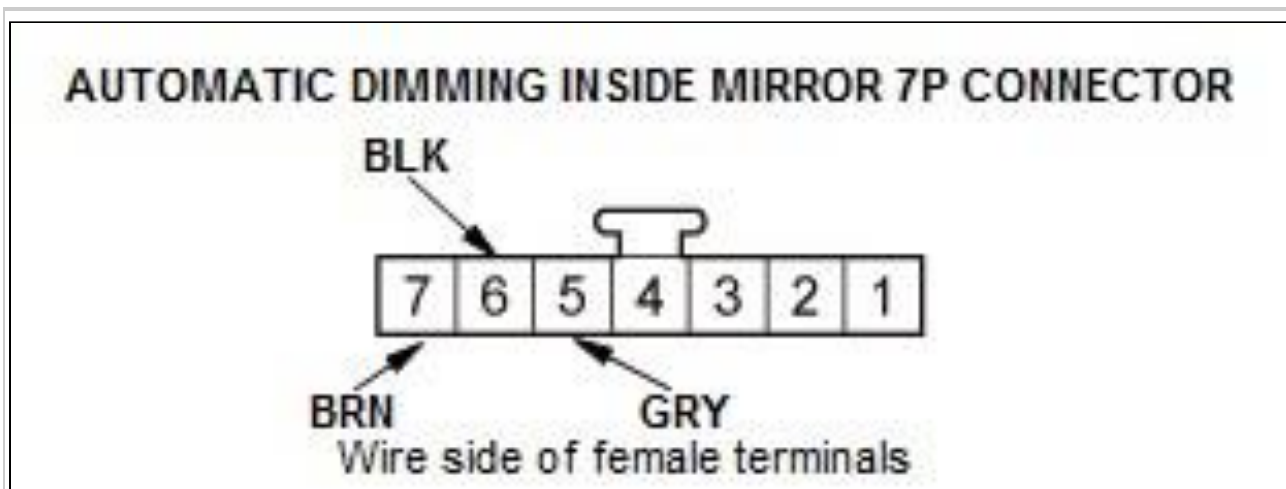
Courtesy of HONDA, U.S.A., INC.

TESTING > AUTOMATIC DIMMING MIRRORS TEST (2013-15)

1. Press the engine start/stop button to select the ON mode
2. Measure the voltage between terminal No. 7 and body ground.

- If there is battery voltage, go to step 3.

- If there is no voltage, check for:
 - Blown No. B22 (7.5 A) fuse in the under-dash fuse/relay box.
 - An open or high resistance in the wire.



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3. Measure the voltage between terminal No. 6 and body ground.

- If there is less than 0.2 V, go to step 4.
- If there is voltage more than 0.2 V, check for:
 - An open or high resistance in the ground wire.
 - Poor ground (G501).

4. Measure the voltage between terminal No. 5 and body ground with the transmission range switch in R position.

- If there is battery voltage, replace the rearview mirror .
- If there is no voltage, check for:
 - Faulty under-dash fuse/relay box.
 - Faulty transmission range switch.
 - An open or high resistance in the wire.

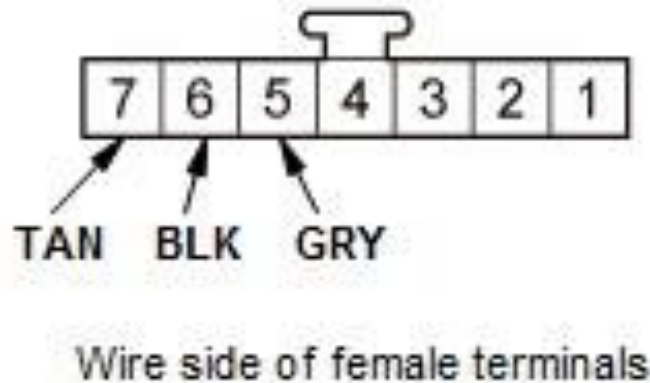
TESTING > AUTOMATIC DIMMING MIRRORS TEST (2016-18)

1. Press the engine start/stop button to select the ON mode

2. Measure the voltage between terminal No. 7 and body ground.

- If there is battery voltage, go to step 3.
- If there is no voltage, check for:
 - Blown No. B22 (7.5 A) fuse in the under-dash fuse/relay box.
 - An open or high resistance in the wire.

AUTOMATIC DIMMING INSIDE MIRROR 7P CONNECTOR



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3. Measure the voltage between terminal No. 6 and body ground.
 - If there is less than 0.2 V, go to step 4.
 - If there is voltage more than 0.2 V, check for:
 - An open or high resistance in the ground wire.
 - Poor ground (G501).
4. Measure the voltage between terminal No. 5 and body ground with the transmission range switch in R position/mode.
 - If there is battery voltage, replace the rearview mirror - Refer to: Rearview Mirror Removal and Installation (2013-18), or Rearview Mirror Removal and Installation(With Camera Cover) (2016-18)
 - If there is no voltage, check for:
 - Faulty under-dash fuse/relay box.
 - Faulty transmission range switch.
 - An open or high resistance in the wire.

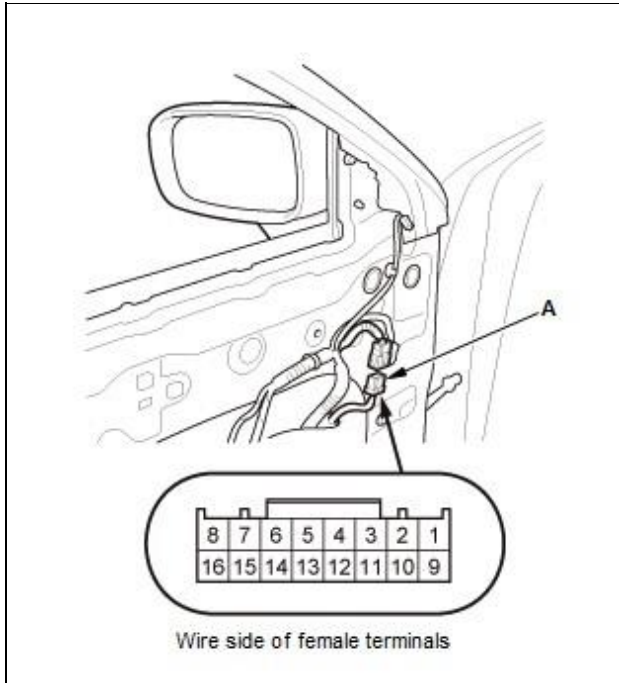
TESTING > POWER MIRROR ACTUATOR TEST (2013-15) > TEST

1. Front Door Panel - Remove

1. Remove the front door panel .

2. Power Mirror Actuator - Test

1. Disconnect the power mirror actuator connector (A).
--



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Left Power Mirror Actuator

Terminal Operation	14	15	16
TILT UP		⊕	⊖
TILT DOWN		⊖	⊕
SWING LEFT	⊖	⊕	
SWING RIGHT	⊕	⊖	

Terminal Operation	14	15	16
TILT UP	⊕		⊖
TILT DOWN	⊖	⊕	
SWING LEFT		⊕	⊖
SWING RIGHT		⊖	⊕

Courtesy of HONDA, U.S.A., INC. HONDA, U.S.A., INC.

Right Power Mirror Actuator

Terminal Operation	14	15	16
TILT UP		⊕	⊖
TILT DOWN		⊖	⊕
SWING LEFT	⊖	⊕	
SWING RIGHT	⊕	⊖	

Actuator Test

2. Check the actuator operation by connecting power and ground according to the table.
3. If the mirror fails to work properly, check for an open or high resistance in the wire between the connector and the mirror holder. If the wire is OK, replace the actuator .

Defogger Test

4. Check for continuity between power mirror actuator connector terminals No. 7 and No. 8. There should be continuity.
5. If there is no continuity, check for an open or high resistance in the wire between the connector and the mirror holder. If the wire is OK, replace the mirror holder .
6. Connect the power mirror actuator connector.

Terminal Operation	14	15	16
TILT UP	⊕		⊖
TILT DOWN	⊖	⊕	
SWING LEFT		⊕	⊖
SWING RIGHT		⊖	⊕

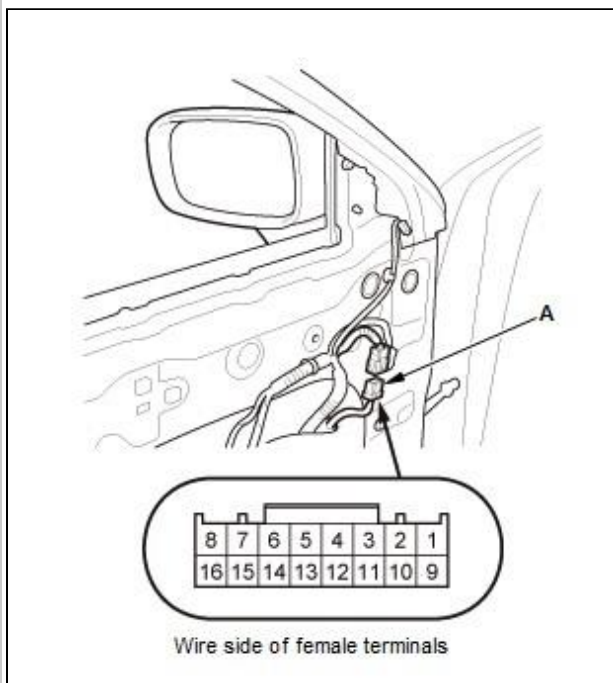
Courtesy of HONDA, U.S.A., INC. HONDA, U.S.A., INC.

3. Front Door Panel - Install

1. Install the front door panel .

TESTING > POWER MIRROR ACTUATOR TEST (2016-18) > TEST

1. Driver's Door Panel - Remove
2. Power Mirror Actuator - Test



1. Disconnect the power mirror actuator connector (A).

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Left Power Mirror Actuator**Actuator Test**

2. Check the actuator operation by connecting power and ground according to the table

3. If the mirror fails to work properly, check for an open or high resistance in the wire between the connector and the mirror holder. If the wire is OK, replace the actuator(s).

1. Power mirror actuator - Refer to: Power Mirror Actuator Removal and Installation (2013-18), or Power Mirror Retract Actuator Removal and Installation (2016-18)

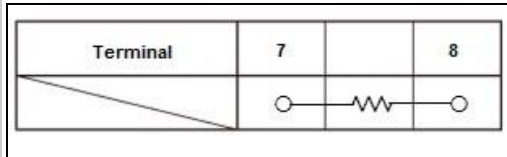
2. Power mirror retract actuator - Refer to: Power Mirror Actuator Removal and Installation (2013-18), or Power Mirror Retract Actuator Removal and Installation (2016-18)

Defogger Test

Terminal Operation	14	15	16
TILT UP		⊕	⊖
TILT DOWN		⊖	⊕
SWING LEFT	⊖	⊕	
SWING RIGHT	⊕	⊖	

Terminal Operation	14	15	16
TILT UP	⊕	⊖	
TILT DOWN	⊖	⊕	
SWING LEFT		⊕	⊖
SWING RIGHT		⊖	⊕

Terminal Operation	1	2
Mirror retract from extend position	⊖	⊕
Mirror extend from retract position	⊕	⊖



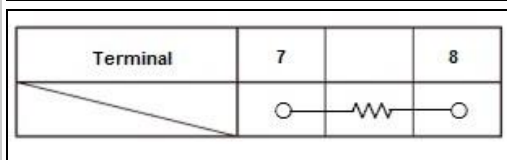
Courtesy of HONDA, U.S.A., INC.HONDA, U.S.A.,
INC.HONDA, U.S.A., INC.HONDA, U.S.A., INC.

Right Power Mirror Actuator

Terminal Operation	14	15	16
TILT UP		⊕	⊖
TILT DOWN		⊖	⊕
SWING LEFT	⊖	⊕	
SWING RIGHT	⊕	⊖	

Terminal Operation	14	15	16
TILT UP	⊕	⊖	
TILT DOWN	⊖	⊕	
SWING LEFT		⊕	⊖
SWING RIGHT		⊖	⊕

Terminal Operation	1	2
Mirror retract from extend position	⊖	⊕
Mirror extend from retract position	⊕	⊖



Courtesy of HONDA, U.S.A., INC.HONDA, U.S.A.,
INC.HONDA, U.S.A., INC.HONDA, U.S.A., INC.

4. Check for continuity between the terminals according to the table. There should be continuity.

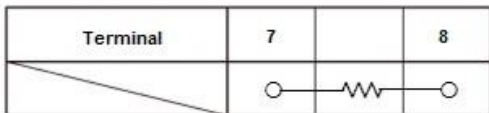
5. If there is no continuity, check for an open or high resistance in the wire between the connector and the mirror holder. If the wire is OK, replace the mirror holder. Refer to: Mirror Holder Removal and Installation (2013-18), or Mirror Holder Removal and Installation (With Automatic Dimming Mirror) (2016-18) .

Left and Right Power Mirror Retract Actuator(With retract power mirror)

Terminal Operation	14	15	16
TILT UP		⊕	⊖
TILT DOWN		⊖	⊕
SWING LEFT	⊖	⊕	
SWING RIGHT	⊕	⊖	

Terminal Operation	14	15	16
TILT UP	⊕	⊖	
TILT DOWN	⊖	⊕	
SWING LEFT		⊕	⊖
SWING RIGHT		⊖	⊕

Terminal Operation	1	2
Mirror retract from extend position	⊖	⊕
Mirror extend from retract position	⊕	⊖



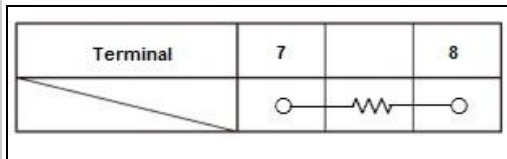
Courtesy of HONDA, U.S.A., INC.HONDA, U.S.A.,
INC.HONDA, U.S.A., INC.HONDA, U.S.A., INC.

Defogger

Terminal Operation	14	15	16
TILT UP		⊕	⊖
TILT DOWN		⊖	⊕
SWING LEFT	⊖	⊕	
SWING RIGHT	⊕	⊖	

Terminal Operation	14	15	16
TILT UP	⊕	⊖	
TILT DOWN	⊖	⊕	
SWING LEFT		⊕	⊖
SWING RIGHT		⊖	⊕

Terminal Operation	1	2
Mirror retract from extend position	⊖	⊕
Mirror extend from retract position	⊕	⊖



Courtesy of HONDA, U.S.A., INC.HONDA, U.S.A.,
INC.HONDA, U.S.A., INC.HONDA, U.S.A., INC.

3. All Removed Parts - Install

1. Install the parts in the reverse order of removal.

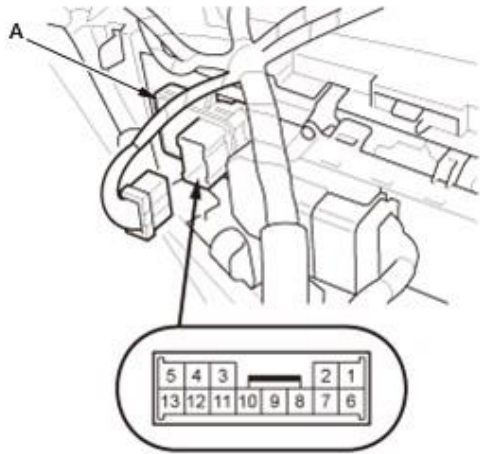
TESTING > POWER MIRROR SWITCH TEST (2013-15) > TEST

1. Front Door Panel - Remove

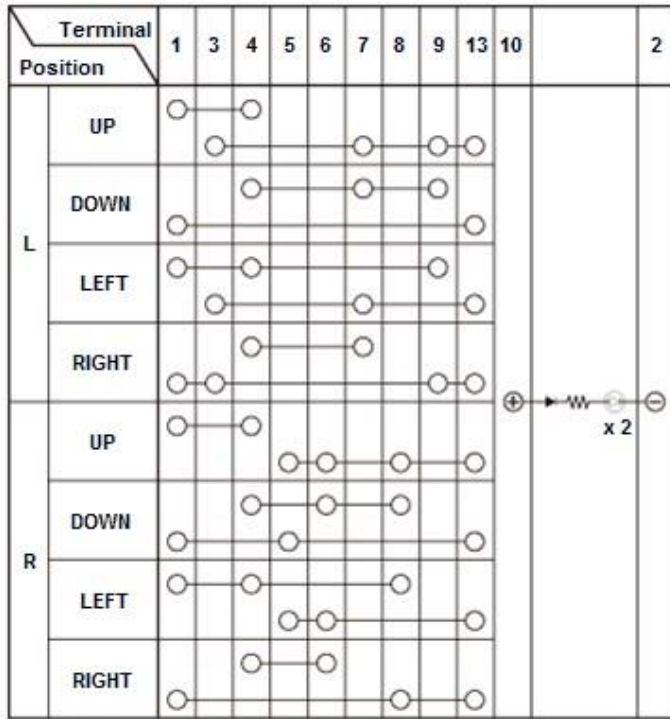
1. Remove the driver's door panel .

2. Power Mirror Switch - Test

1. When an LED is located between terminals, check if the LED lights up by connecting power and ground to the LED.
2. Note this important operating characteristic; diode bias causes a diode to fully conduct electricity in one direction (forward), while not at all in the opposite direction (reverse).



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○ = Continuity check, ⊕ and ⊖ = Voltage for LED

Courtesy of HONDA, U.S.A., INC.

2. If the result is not as specified, replace the power mirror switch .

3. Front Door Panel - Install

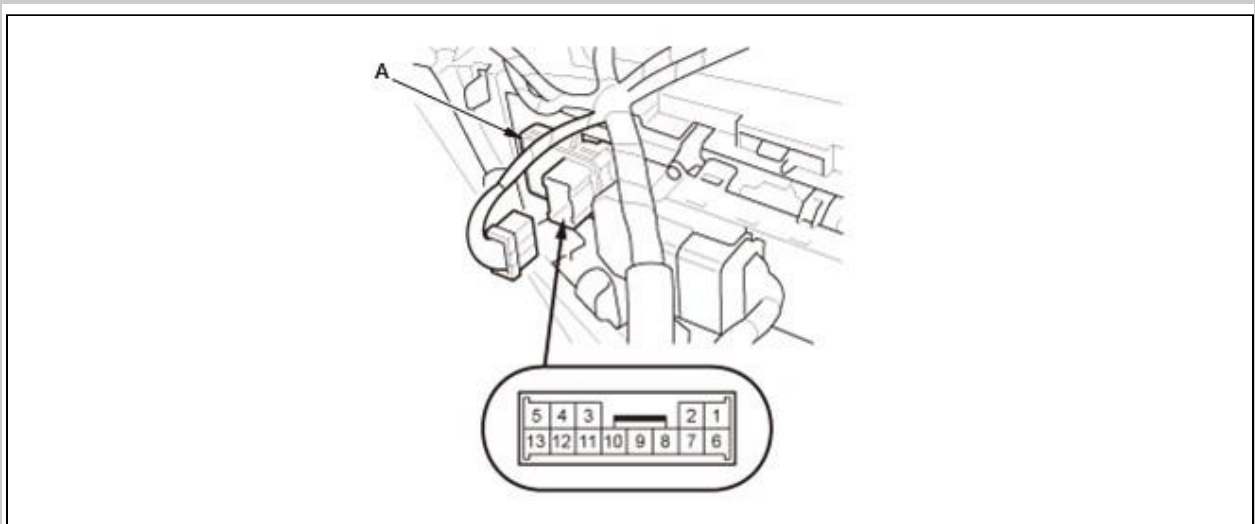
1. Install the driver's door panel .

TESTING > POWER MIRROR SWITCH TEST (2016-18) > TEST

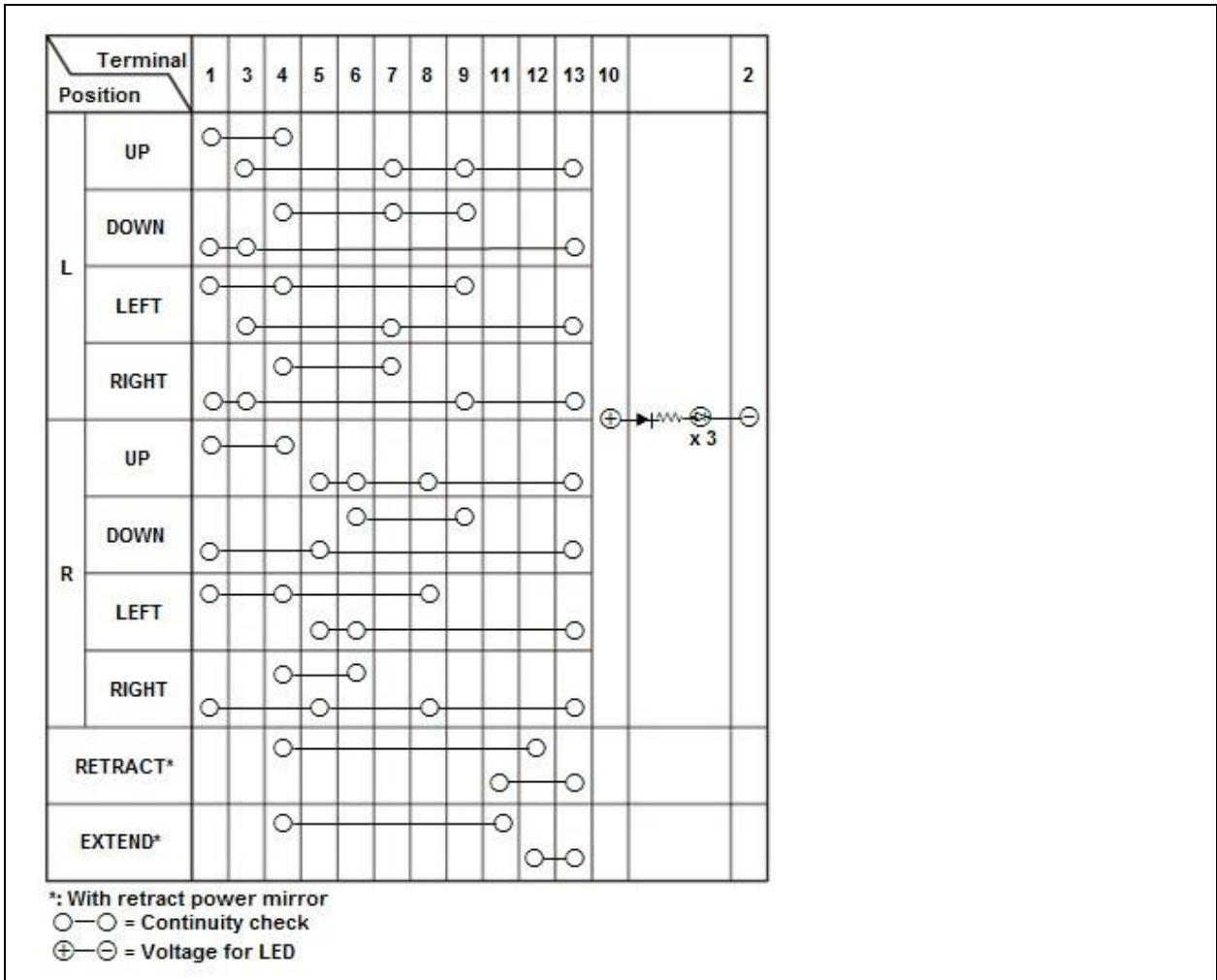
1. Driver's Door Panel - Remove

2. Power Mirror Switch - Test

1. When an LED is located between terminals, check if the LED illuminates by connecting power and ground to the LED.
2. Note this important operating characteristic; diode bias causes a diode to fully conduct electricity in one direction (forward), while not at all in the opposite direction (reverse).



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Courtesy of HONDA, U.S.A., INC.

2. If the result is not as specified, replace the power mirror switch .

3. All Removed Parts - Install

1. Install the parts in the reverse order of removal.