

# Genuine Accessories



Vehicle Model: **Santa Fe**

Model Year 2019~  
 Part No. S2F62 AU000 (DIO)  
S2F62 AU600 (PIO)  
 Language English  
 Rev. Date 4/8/2019

Accessory: **Mirror, Auto-dimming w/ HomeLink 4, Bluelink and Compass**

Difficulty: ( B )

**Note:** Difficulty stated above reflects the minimum level of expertise required to install the accessory:  
 (A) Customer  
 (B) Dealer Technician  
 (C) Master Technician or Specialist

### Electronic Installation Instructions



If this is a printed copy of the installation instructions, ensure you have the latest revision by scanning the QR code or by entering the website address listed below before beginning installation. Use the latest revision date as noted by "Rev. Date" above.

[www.hyundaiaccessories.com/admin\\_media\\_uploads/installationSheets/s2f62\\_au000.pdf](http://www.hyundaiaccessories.com/admin_media_uploads/installationSheets/s2f62_au000.pdf)

### Application Notes

**This accessory mirror kit is only applicable to vehicles built AFTER 22 Oct. 2018, VIN ...055982 with prewired factory 10-Pin mirror connector.**

### Instructional Symbols / Definitions

	Denotes warnings that may lead to serious physical injury or vehicle damage		Denotes quality processes to be checked prior to moving to the next step		Denotes personal protective equipment (PPEs) that may be required for a step. Examples of safety equipment icons noted below:
	Denotes cautions to be taken to avoid physical injury or electronic component damage		Denotes specific tools that are necessary to complete a step		Gloves
	Denotes cautions to be taken to avoid vehicle and component damage	<b>N O T E</b>	Denotes important information to be reviewed during the step		Mask
					Hearing Protection

### Basic Required Hand Tools

Ratchet	10mm Deepwell Socket	Torque Wrench	T20 Torx Driver	T20 Torx Socket	Nylon Panel Removal Tool

### Part Weight (Gross)

<b>1.32</b>	lbs
<b>0.60</b>	kg

### FMVSS 110 Compliance Information

All dealers must determine if the Net weight they have added in the form of all options or accessories, when added to the weight of all Port/Dealer Installed options or accessories, exceeds the lesser of 1.5% of GVWR or 100lbs. If the additional weight does exceed the lesser of the indicated thresholds, a "Load Carrying Capacity Reduced" label must be installed. A black, fine-point, indelible marker must be used to write by hand onto the label, the reduced carrying capacity in kilograms or pounds, which is the total weight of all added options and accessories.  
**Load Label Part Number: NP070 - 09003**

### Part Weight (Net)

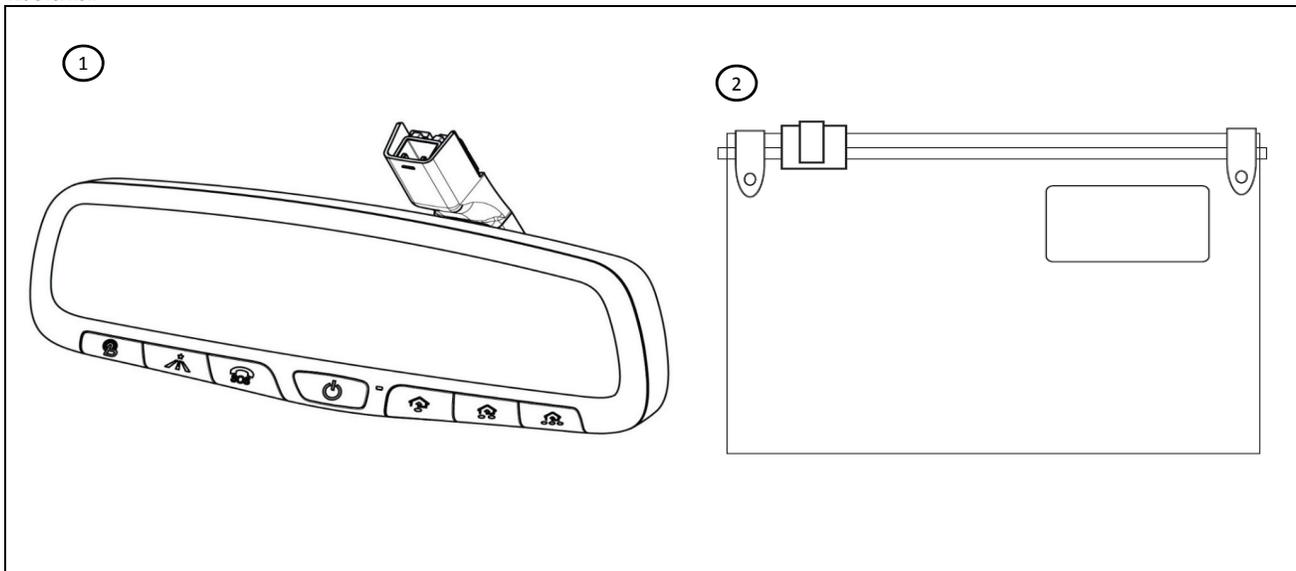
<b>0.27</b>	lbs
<b>0.12</b>	kg

### Notes to the installer:

- 1) Read the entire Installation Instructions prior to beginning the installation of the part.
- 2) Make sure the vehicle is completely clean and dry in the area(s) the part is to be installed.
- 3) Ensure the vehicle is properly protected in the area(s) that the accessory is to be installed.
- 4) NEVER place tools on painted surfaces, seating surfaces, dash pad, console or floor carpet/mats.
- 5) Always wear appropriate personal protective equipment, including gloves, safety glasses, etc., when required.
- 6) Record radio presets prior to disconnecting battery power, if needed.
- 7) Roll down the driver's window prior to disconnecting battery power, if needed.

# Genuine Accessories

## Kit Overview



No.	Qty	Description
1	1	Mirror, Auto-dimming w/ HL4, BL & Compass
2	1	Hardware Kit

### Hardware Kit Contents

A		B		C	
1	Quick Reference Guide	1	Jumper Harness	1	Foam Tape

Follow instructions for proper placement of each component.

Hardware Total
3

### Radio Presets - record customer preset frequencies if disconnecting battery power

FM1 \_\_\_\_\_ FM2 \_\_\_\_\_ FM3 \_\_\_\_\_ FM4 \_\_\_\_\_ FM5 \_\_\_\_\_  
 FM6 \_\_\_\_\_ FM7 \_\_\_\_\_ FM8 \_\_\_\_\_ FM9 \_\_\_\_\_ FM10 \_\_\_\_\_  
 AM1 \_\_\_\_\_ AM2 \_\_\_\_\_ AM3 \_\_\_\_\_ AM4 \_\_\_\_\_ AM5 \_\_\_\_\_  
 SAT1 \_\_\_\_\_ SAT2 \_\_\_\_\_ SAT3 \_\_\_\_\_ SAT4 \_\_\_\_\_ SAT5 \_\_\_\_\_

Electrical Connection Procedure

**WIRE CODES**

Wires are either solid color or striped wires. The first color in the description indicates the base color of the wire, the second indicates the color of the stripe (or tracer).

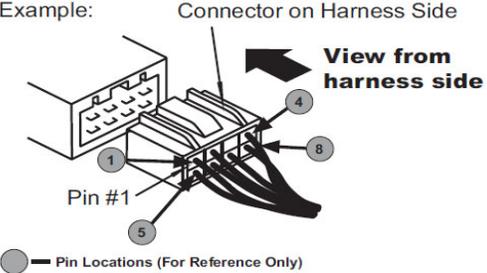
Example:

Solid Color Wire	Striped Wire
	
Black	White (Base Color) Red (Stripe Color)
Black wire	White w/ Red Tracer wire

**CONNECTOR DIAGRAMS**

Connector diagrams show the harness side view. **The pin numbers are from the harness side view.**

Example:

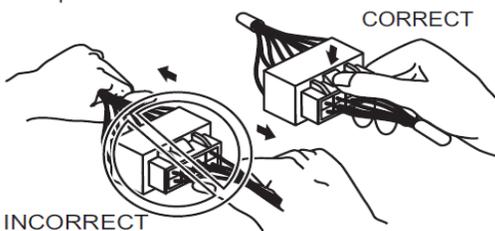


Pin Locations (For Reference Only)

**DISCONNECTING CONNECTORS**

When disconnecting the wires, grasp the connectors, not the wires.

Example:



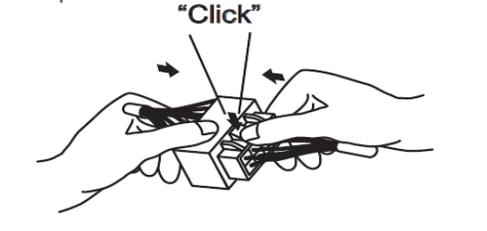
INCORRECT

CORRECT

**LOCKING CONNECTORS**

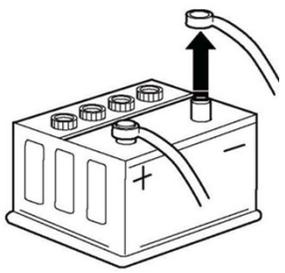
When locking connectors, listen for a click, indicating they are securely locked.

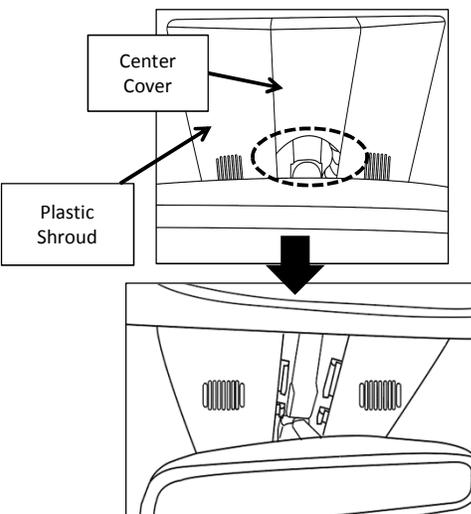
Example:

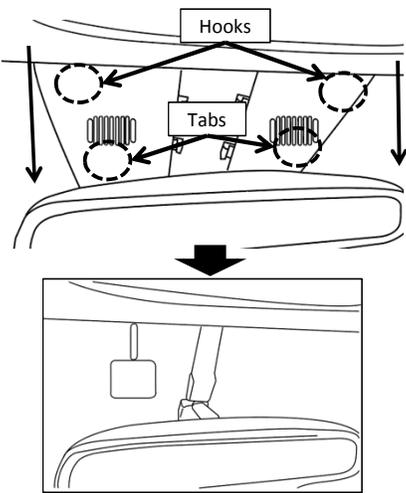


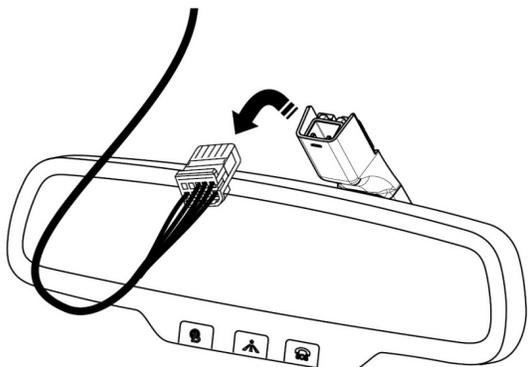
"Click"

# Genuine Accessories

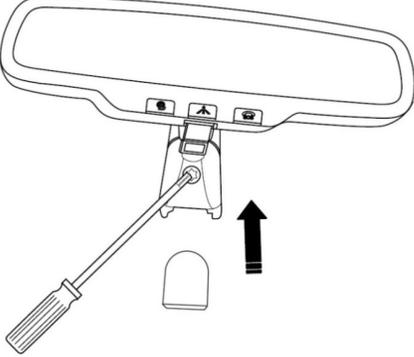
1		Ratchet and 10mm Deepwell Socket
		
		
N O T E	<p>A. Ensure the correct part is being installed. Verify the part number on the installation order with the part number on the kit box label.</p> <p>B. Record all pre-set radio stations, if applicable.</p> <p>C. Open the vehicle hood and remove the negative (-) battery terminal cover, if applicable.</p> <p>D. Disconnect and isolate vehicle's negative (-) battery cable.</p>	
 <p><b>WARNING: Shock Hazard!</b> Do not touch vehicle's negative battery terminal to vehicle's positive battery terminal. Serious injury and damage to the vehicle may occur.</p>		

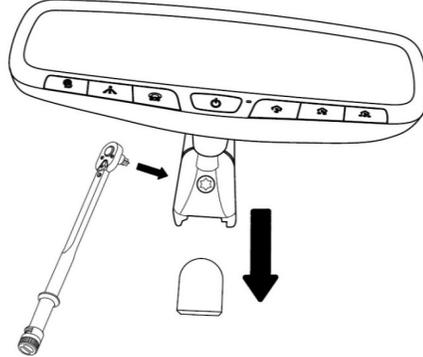
2		Nylon Panel Removal Tool
		
N O T E	<p>A. Gently tilt the mirror head downward to expose upper portion of plastic shroud.</p> <p>B. Remove center cover of plastic shroud by inserting your finger or Nylon panel removal tool into the upper radius of the hole and gently pulling the center cover away from the windshield.</p> <p>C. Set aside in a safe location.</p>	
 <p><b>CAUTION:</b> Do not damage plastic shroud, center cover, or headliner.</p>		

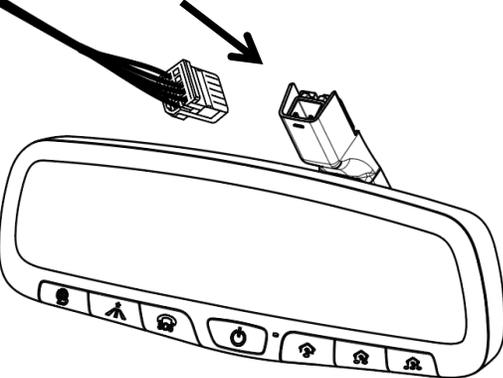
3		
		
N O T E	<p>A. Using your thumbs from inside of the shroud, push out at the top to release two (2) upper retention hooks and pull away slightly from the windshield.</p> <p>B. Grasp both sides of the plastic shroud and gently slide it down from the windshield until it disengages from two (2) lower tabs.</p> <p>C. Remove plastic shroud from windshield and store in a safe location.</p>	
 <p><b>CAUTION:</b> Do not scratch or damage plastic shroud. Do not break the retaining hooks/tabs on the plastic shroud or windshield.</p>		

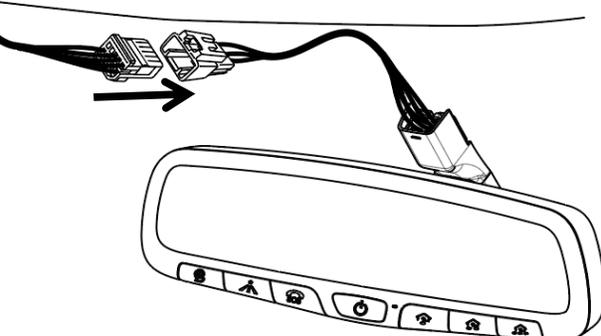
4		
		
N O T E	<p>A. Disconnect the 10-Pin connector and harness from the factory mirror.</p>	

# Genuine Accessories

5		T20 Torx Driver
		
N O T E	<p>A. Using a T20 Torx Driver, loosen the screw on the mirror mount.                  B. Gently slide the mirror upwards in a parallel direction to the windshield.                  DO NOT pull the mirror away from the windshield.</p>	
	<p>CAUTION: Take care to avoid damaging the mirror mount, windshield, or headliner.</p>	

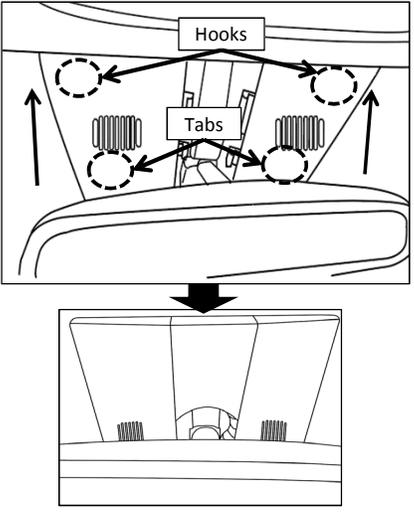
6		T20 Torx Socket & Torque Wrench
		
N O T E	<p>A. Slide new mirror onto windshield button and torque the T20 Torx screw to: <b>1.76 N.m (0.18 Kgf.m, 15.6 lb-in)</b>.</p>	
	<p>WARNING: Do not over-tighten screw. Over-tightening the screw won't properly secure the mirror and could cause the mirror to break loose and injure the vehicle's occupants.</p>	

7		
		
N O T E	<p>A. Connect the female end of the 10-Pin jumper harness into mirror connector. Make sure connector is fully locked into mirror.</p>	
	<p>CAUTION: Ensure 10-Pin connector is securely installed.</p>	

8		
		
N O T E	<p>A. Connect the 10-Pin vehicle connector disconnected in step 4, into the male jumper harness connector. Make sure connector is fully locked into the jumper harness.                  B. Wrap connector with one (1) piece of foam tape.                  C. Carefully tuck connector and excess harness into headliner, make sure there is no bulges in the headliner.</p>	
	<p>CAUTION: Ensure 10-Pin connector is securely installed.</p>	

# Genuine Accessories

9 

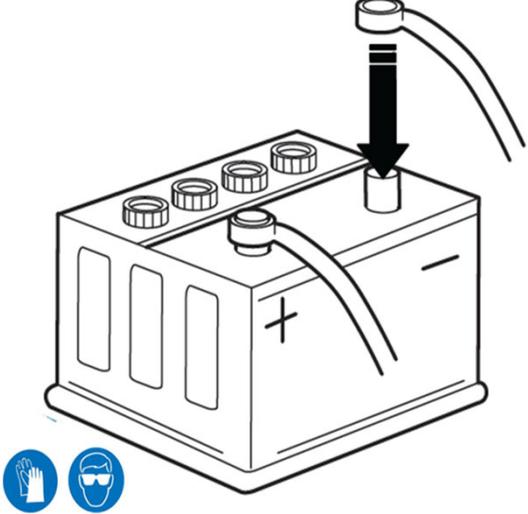


**NOTE**

- Reinstall the plastic shroud by sliding up under mirror, engaging the top retaining tabs on both sides and then gently snapping the lower tabs of the cover in place.
- Reinstall the Center Cover.
- Make sure there are no gaps between shroud and windshield.

**CAUTION:** Do not scratch or damage plastic shroud or center cover. Do not break the hooks/retaining tabs on the windshield/plastic shroud.

10  Ratchet, 10mm Deepwell Socket, and Torque Wrench



**Function Check Preparation:**

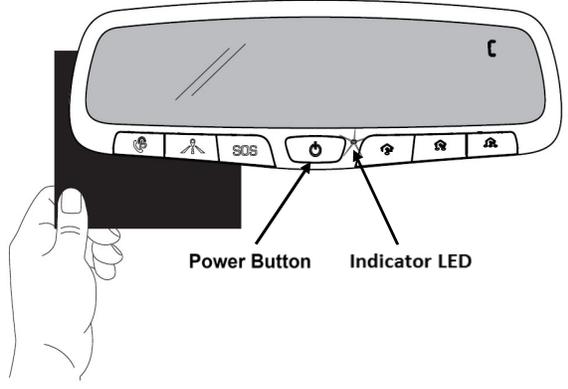
- Reconnect the negative (-) battery cable, and torque to: **5.0 ~ 6.0 N.m (0.50 ~ 0.60 kgf.m, 45 ~ 52 lb-in)**.
- Reinstall battery terminal cover, if applicable and close hood.
- Program radio pre-sets recorded in step 1, if applicable.

**NOTE**

**WARNING:** Shock Hazard! Do not touch vehicle's negative battery terminal to vehicle's positive battery terminal. Serious injury and damage to the vehicle may occur.

11 

**Function Check**

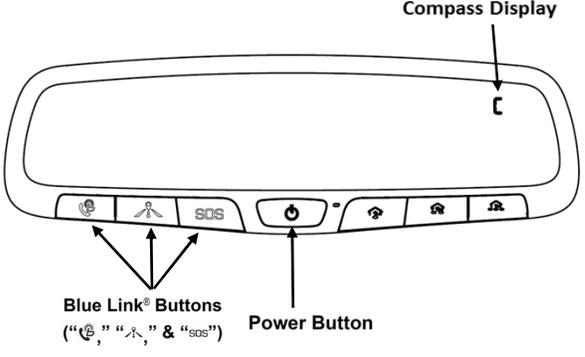


**NOTE**

- Cover the forward-facing photocell with a dark cloth or towel.
- Turn the ignition to "ON".
- Verify that the green LED (light right of center) is on. If not, press and hold the power button to turn the green LED on.
- With the dark cloth in place, and the power on, the mirror will darken.
- Remove the dark cloth, and the mirror will return to normal.

12 

**Function Check**



**NOTE**

- Verify that either a direction (such as "NE" or "SW") is displayed in the display window. If not, ensure the compass feature is turned on by pressing the power button.
- Ensure that the radio is ON.
- Press each of the three (3) Blue Link buttons one at a time. The appropriate Blue Link message will display on the radio after each button is pressed.

13		<b>Function Check</b>
<p style="text-align: center;">Indicator LED - Red</p> <p style="text-align: center;">HomeLink Buttons (, , &amp; )</p>		
N O T E	<p>A. Turn the ignition to "OFF"</p> <p>B. Ensure the compass display is no longer visible, and the green LED is no longer on.</p> <p>C. Press each HomeLink button, one-at-a-time, and verify that the LED indicator to the right of the center button illuminates with a red LED when buttons are pressed.</p>	

14		
N O T E	<p>A. Place the provided Quick Reference Guide in vehicle glove box.</p> <p>B. Remove fingerprints, smudges, etc. from mirror and windshield.</p>	
	<p><b>CAUTION: DO NOT</b> spray glass cleaner or other cleaning liquid directly on the mirror as it may damage the electronics.</p>	

A		<b>Dealer Only</b>
<b>COMPASS CALIBRATION</b>		
N O T E	<p>A. If the compass displays "C", it will need to be calibrated.</p> <p>B. To calibrate, drive the vehicle in up to three (3) complete circles, at less than 5mph.</p>	

B		<b>Dealer Only</b>
<b>COMPASS CALIBRATION</b>		
N O T E	<p>A. Identify your approximate compass region on the above map.</p> <p>B. Press and hold the power compass button for more than 6 seconds, and the current compass region code will display.</p> <p>C. Press the compass button until your desired compass region is displayed. Release the button, and the correct compass direction appear.</p>	

## Genuine Accessories

### Visual Check

Item to be Checked		Result
	Negative battery terminal re-tightened (Refer to step 10 on page 6).	Battery cable is correctly fastened to the negative terminal. Nut is properly torqued to 5.0 ~ 6.0 N.m (0.50 ~ 0.60 kgf.m, 45 ~ 52 lb-in).
	Mirror Torx screw reinstalled and re-tightened	Screw is tightened and properly torqued to: 1.76 N-m (0.18 Kgf-m, <b>15.6 lb-in</b> ).
	Mirror Jumper Harness 10-Pin connectors	Mirror Jumper Harness 10-Pin connectors are properly connected and locked into accessory mirror and factory harness.
	Plastic Shroud and Center Cover	Plastic Shroud is fully engaged with windshield anchor clips and Center Cover is engaged with Plastic Shroud.
	Auto-Dimming	Mirror dims with ignition in the "ON" position when the forward looking photocell is covered. Mirror is clear and does NOT dim with ignition in the "OFF" position.
	Compass Display	Compass display reads either "C" or a directional heading with ignition in the "ON" position only and NOT in the "OFF" position.
	HomeLink	HomeLink indicator LED illuminates when each button is pushed with ignition in the "OFF" position.

### Troubleshooting

Item to be Checked		Result
	Mirror does not power up.	Confirm constant power circuit is properly connected. Circuit should have 12V power with ignition in "OFF".  -Check that factory harness is properly connected to jumper harness. -Check that jumper harness is properly connected to the mirror. -Check that wires are not damaged.
	†	Confirm ignition-switched power circuit is properly connected. Circuit should NOT have power with ignition in "OFF", but should have 12V power when ignition is switched to "ON".  -Check that factory harness is properly connected to jumper harness. -Check that jumper harness is properly connected to the mirror. -Check that wire is not damaged.
	Homelink does not work (LED does not illuminate).	-Check vehicle interior lamp fuse.
	Homelink does not work (LED does not illuminate when all HL buttons pressed).	-Replace the mirror.
	Compass does not illuminate.	-Check that the Compass feature is "ON" with the power button. -Check vehicle interior lamp fuse.
	Auto-dimming function does not work properly (LED does not illuminate).	-Check that the mirror power is "ON" with the main power button. -Check vehicle interior lamp fuse.
	Auto-dimming function does not work properly (LED illuminates, but mirror does not darken).	-Replace the mirror.
	Blue Link buttons do not trigger audio or visual message from radio/navigation unit.	-Check that the mirror power is "ON" with the main power button. -Check harness to ensure connection is made between factory harness and auto-dimming mirror. -Reinstall factory mirror and ensure Blue Link functions correctly.

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## Wiring Diagram

### Jumper Harness Wiring Diagram

