

GENUINE PARTS

INSTALLATION INSTRUCTIONS

1. DESCRIPTION: Auto-Dimming Inside Mirror with Compass and Homelink®									
2. APPLICATION: Rogue (2008-2013) Rogue Select (2014)									
3. PART NUMBER: 999L1 VW102									
4. KIT CONTENTS:									
ltem	Qty	Description Service Part Num							
A	1	Auto-Dimming Mirror with Compass and Homelink®	999L1 VZ000						
В	1	Parts Kit 999L1 VW103							
С	1	Harness Assembly							
D	1	Wire Cover-Short							
E	1	Wire Cover-Long							
F	1	Posi-Tap™ 999M1 VT000							
G	7	Wire Tie							
Н	9	Foam Tape							
I	2	A-Pillar Clip 76988 3DN0A							
J	1	Homelink® User Guide							
К	1	Manual, Installation Instruction Download	999V2 AW000						
5. PRE-IN	ISTALI	LATION CAUTION / NOTES:							
A		B C D E	F G						
Н		I J K							
• Disconnect vehicle battery before installing EC mirror to prevent possible shock injury during installation.									
 Dealer installation recommended. This installation instruction will reference the service manual. Cut the excess wire tie(s) as flush with the head as possible. Face head of cable tie away from sheet metal and other objects. Use caution when removing / re-installing interior components to avoid damage, scratches, or breaking of mounting clips. For HomeLink Troubleshooting refer to page 14 or call 1-800-355-3515. 									

HOMELINK® AND THE HOMELINK HOUSE® ARE REGISTERED TRADEMARKS OF GENTEX CORPORATION.

6. TOOLS REQUIRED:

- 1. Clean Rag
- 2. Needle Nose Pliers
- 4. 3mm Flat Screwdriver
- 5. Panel Removal Tool
- 6. Phillip's Screwdriver
- 7. Side Cutters

3. T-20 Torx Head Driver

7. VEHICLE PREPARATION:

- 1) Apply parking brake.
- 2) Record the customer radio presets.

Presets	1	2	3	4	5	6	
А							
В							
С							

- 3) Make sure that the shift lever is engaged in the "P" position.
- 4) Turn the ignition switch OFF.
- 5) Open engine hood.
- 6) Disconnect negative battery terminal.
- 7) For service parts only, identify the generation of the mirror as either HomeLink 3 or HomeLink 4 by looking at laser marking on the back of the mirror. HomeLink 4 can be identified with a large "IV" as shown in (Fig. 1a) and by a yellow label on harness assembly (Fig. 1b). HomeLink 3 can be identified with a large "E11" with a circle as shown in (Fig. 2a). No harness label is present on HomeLink 3 harness assembly. If replacing a HomeLink 3 mirror, the harness will also need to be replaced during installation.



8. INSTALLATION PROCEDURE:

• Do not use excessive force when removing OE mirror from windshield. The window button may separate from windshield or the windshield could break.



- 1) Removal of OE rearview mirror
 - a) Tape the end of a 3mm screwdriver with electrical tape (or equivalent) to prevent damage to windshield. (Fig. 3)
 - b) Insert the flat end of a 3mm screwdriver into the opening at the bottom of the mirror mount.
 - c) Push screwdriver up into the mount to disengage locking tab.
 - d) While still applying upward pressure with the screwdriver, grasp the mirror bracket and lift the mirror up towards the headliner and off the mirror mounting bracket.









11)Route harness down driver-side A-pillar and secure to existing vehicle harness with 4 wire ties. (Fig. 13)

• Do not tie wrap harness to clear drain tube.



12) Pull power and ground wires apart approximately 24 inches. (Fig. 14)

- Fig. 15 Black Wire Support Bracket So
- Carefully route Black ignition wire without ring terminal through center dash panel, over the support bracket and out of the access port near the power mirror switch. (Fig. 15)





- 17) Tap Accessory Wire. (Fig. 19)
 - a) Remove tap (non-pierce) side from tap.
 - b) Remove the protective stub.
 - c) Insert wire through the non-pierce side.
 - d) Spread the individual strands into fan shape.
 - e) Insert wire into the tap body and ensure that it is all the way in.
 - f) Tighten the tap **<u>TIGHT</u>** with finger pressure.
 - g) Tighten by another quarter turn.
- 18) Confirm the Tapped Accessory Wire (Fig. 09)
 - h) Pull on wire lightly to ensure connection.
 - i) Inspect the tap to ensure correct installation.
 - j) Test the signal to ensure it is working.

NOTE:

Avoid putting pressure on the vehicle wire, tap, and accessory wire for the rest of the installation.

- 19) Forming strain relief loop (always required). (Fig. 21)
 - k) Gently bend the end of the pierced wire (where it exits the cap) down toward the body of the posi-tap.
 - On the tapped wire of the non-piecrce side; starting at point b1) measure 50.8mm(2in.) to point b3). Make the first bend of the loop b2), half the distance measured 25.4mm(1in.), and up toward the body of the posi-tap, make the second bend of the loop b3).
- 20) Bundle excess Black wire **without** ring terminal and secure to plastic dash inner with 1 piece of foam tape. (Fig. 22)



(Fig. 24)

ACCESSORY CHECK:				
Note: If errors are encountered during testing and compass calibration, see diagnostic flow charts,				
Testing				
Tighten negative battery terminal nut to 5.4 Nm (47.8 in-lb).				
Turn the ignition switch to ON.				
Push each Homelink® button one at a time and verify that the LED indicator to the left of the center switch illuminates with a red LED (Fig. 28).				
Ensure vehicle is in well lit area.				
Check to see that the green LED is illuminated. If it is not, press the " 🕁 " button to turn it on.				
the back of the mirror) with a dark cloth or towel. After a few seconds, the mirror should begin to darken. Timing will vary with ambient light levels and a flashlight may be shined on the rearward				
Fig. 27 Fig. 28				
Compass Compass				
Green Photocell				
Red LED Red LED				
Bemave the cover from the forward leaking photocall and the mirror will begin to clear				
and that it can be turned ON and OFF.				
Testing is now complete.				
Set Compass Zone				
play (numbers correspond to regional compass zones).				
Press and release " $-\hat{\mathbf{N}}$ -" button to scroll through zone numbers.				
Release "-N-" button when correct zone number is displayed (Fig. 29). Zone number will disappear and display will return to showing either a directional heading or a "C" after 5 seconds of no switch				
activity.				
$\begin{array}{ c c c c c }\hline\hline & & & & & \\ \hline & & & & & \\ \hline & & & & &$				
June June Instant				
Survey Charles Contraction Con				
- La Asygen - La As				
Prevails Anderever Calarian Ford Andere Calarian Control Contr				
Drive vehicle in circles (360%) at 5 mph or loss until compass display window shows a direction				
Chock all Critical Installation Stops				
Auto-Dimming mirror, pg. 4, step 6, Fig. 9				

ACCESSORY CHECK:					
Verify all wiring is secure and not exposed.					
Trim all excess cable ties flush.					
Check all vehicle electrical systems that the accessory interfaces with.					
Power mirror switch.					
Traction control switch.					
Hood Release					
Fuel Door Release					
RE-INSTALLATION OF REMOVED PARTS:					
A CAUTION					
Use caution when re-installing interior components to avoid damage, scratches, or breaking of mounting clips. Refer to the vehicle service manual for more information.					
LH front pillar garnish.					
Insert new clip (P/N 76988 3DN0A) into garnish hole ensuring long hook faces down. (Fig. 29)					
Fig. 29					
$\sum M$					
Faces Down					
Insert base of finisher.					
Insert panel removal tool between front pillar garnish bottom side and body side and press clips					
into body.					
FINAL INSPECTION:					
Verify re-installed trim parts for proper flush fit (no gap, no waviness, etc).					
Verify all clips are fully engaged and locked.					
Verify re-installed trim parts are free from cracks, scratches, or stress cracks.					
Verify vehicle headliner, seat, steering wheel, center console, floor carpets, etc. are not soiled.					
Verify interior and exterior is not damaged.					
Turn ignition switch to "ON" and confirm proper operation of Vehicle Systems.					
If equipped, verify all window and sunroof one touch operation and perform the reset procedure if necessary. Refer to the vehicle service manual for more details.					
Confirm proper audio function (AM, FM, SAT, CD and AUX).					
Re-program radio presets and other vehicle settings to the recorded settings.					
Start engine and verify that there are no new Diagnostic Trouble Codes. Turn ignition switch to " OFF ".					
Place the Owner Manual, Quick Reference Guide, and/or other Manual in the glove box.					





