

9002-9651 Installation Instructions (Slimline 3.5" Auto Dimming Display Twist Off Mount Mirror with HomeLink)

IMPORTANT: Check kit contents and read instructions before installing. For the latest full color instructions please visit www.brandmotion.com

Kit Contents

Slimline Auto Dimming Mirror with 3.5" Display & HomeLink
 Homelink Programming and Information Guide

Mirror Harness
 These Instructions

Mirror Removal & Mounting

1. Remove the existing vehicle mirror by twisting it approximately 30 degrees.
2. Carefully twist on the supplied Mirror approximately 30 degrees until it clicks into place.
3. Connect supplied Mirror Harness to supplied Mirror.

Mirror Wiring

1. Use a multimeter to test for vehicle Ignition (+) and Reverse (+) signals. Typical locations are behind the driver or passenger side kick panel or under the dash. Set parking brake, start vehicle, and have an assistant shift into Reverse while you test for Ignition and Reverse signals.
2. Plug Mirror Harness into Mirror and route beneath headliner and down the A-pillar closest to the Ignition and Reverse signal locations.
3. Splice Mirror Harness wires to the following required connections:

Red - Ignition controlled power 12v+ when key is ON

Black - Chassis ground. A ground bolt is commonly found in the front kick panel area with other wires attached; in some cases you may need to supply a new screw.

Green - Connect to Reverse (+) 12V power.

NOTE: While not a required connection, connecting Reverse disables the vehicle's auto dim function while vehicle is in reverse.

4. Connect female RCA plug on supplied Mirror Harness to male camera RCA.

Mirror & Mirror Harness Pinout			
PIN	MIRROR WIRE COLOR	MIRROR HARNESS WIRE COLOR	FUNCTION
1	Purple	White	Video (+)
2	White	Brown	Video (-)
3	N/A	N/A	Not used
4	N/A	N/A	Not used
5	N/A	N/A	Not used
6	Red	Red	Ignition (+)
7	Orange	Green	Reverse (+)
8	Black	Black	Ground
9	N/A	N/A	Not used
10	N/A	N/A	Not used

These instructions only pertain to functions on the supplied mirror and do not support other vehicle features.

Camera Requirements

The camera signal must be strong enough for the mirror to detect signal when reverse is engaged. We recommend that the camera be connected to mirror prior to installation to confirm compatibility. Best results are on cameras that have a 0.8- 1.6v DC coming out of video composite lead (commonly a yellow RCA jack). Depending on camera output it may require reverse to be supplied by a 12v switched ignition rather than reverse feed. To test this use a multimeter set to DC and connect the (-) lead to the camera RCA shield and the (+) lead to the camera RCA tip with the camera powered ON.

Powering Up the Camera

The mirror stays ON for over 1 second when reverse is disengaged, and if the camera is connected to the reverse tail lamp then the screen will flash Blue. If the camera does not power up instantly when the vehicle is shifted into reverse, the screen will not detect the camera and will not display an image. For these reasons we recommend that the camera be connected to Ignition (+).

Test Mirror

Set parking brake, start vehicle, and shift into Reverse. If image appears in the LCD display, all connections have been made properly.

Temporary Monitor Manual Shut Down:

If while in reverse you require to turn OFF the camera monitor, simply press and release the POWER button on the back side of the mirror. (Note: once reverse is disengaged the mirror will go back to normal operation and will turn ON next time reverse is engaged).

NOTE 1: Mirror Voltage Requirements

The supplied Mirror must see a voltage of 12.5v DC or better on the Reverse trigger lead. In the event that the signal is too low the signal quality may be affected drastically when the vehicle is running.

To correct low Reverse signal power, the voltage must be raised using a Single Pull Dual Throw Relay.

Relay Wiring:

30	To mirror Reverse trigger (Green lead)
85	Chassis Ground
86	Reverse trigger from vehicle (reverse lamp)
87	High current Ignition controlled power lead +
87a	Not used

Connect the rest of the Mirror Harness wires as instructed above.

NOTE 2: For Ford vehicles only

If the vehicle has a separate display on the IP for the compass and it displays "--" after the OE mirror is removed, further steps are necessary in order for it to function again. You must supply two 9' 20-gauge wires (recommended: one red and one yellow). Splice the wires to the location from which you removed the vehicle's mirror connector and splice their opposite ends to the vehicle's mirror connector that will be relocated along with the mirror circuit board. For more details, refer to Section 6 of 1008-9520 kit instructions at www.brandmotion.com

HomeLink Set Up and Operation

1. Refer to supplied HomeLink "Programming and Information Guide."
2. Keep HomeLink "Programming and Information Guide" in vehicle for future reference.

This HomeLink device is approved for use only in the United States and Canada.