

REARSIGHT OnStar Compatible Mirror Adapter Harness 250-8822

Vehicle Preparation

Before beginning your installation, familiarize yourself with the installation instructions and the harness and RearSight Mirror system components.

To ensure your safety, (A) apply the emergency brake and (B) read this entire manual before beginning.



CAUTION: It is advisable to disconnect the negative battery cable for 3 minutes before beginning installation to avoid unintended airbag deployment. **Note and record any anti-theft radio codes before disconnecting.**

NOTE: THIS HARNESS IS ONLY COMPATIBLE WITH ROSTRA 250-8820 AND 250-8821 ONSTAR COMPATIBLE MIRRORS.

Installation:

1. Locate the supplied mirror adapter harness.
2. Determine if you are replacing an OnStar equipped mirror that has Temp and Compass or does not.
NOTE: The video signal wires are reversed in these two different models. See the chart below and follow instructions for connecting the video wires.
3. After confirming the application and consulting the chart below for proper connection, insert the video positive (**red**) and negative (**grey**) leads into the mirror adapter harness open ports as listed below. Do not force the connectors; they will slide in and lock in place.
4. Connect the mirror extension harness to the mirror.
5. Attach the mirror to the factory windshield lug securing it in place by tightening its mounting screw to the lug.
6. Connect the adapter harness to the factory wire harness. Place the wiring above/behind the roof liner /trim.

Testing

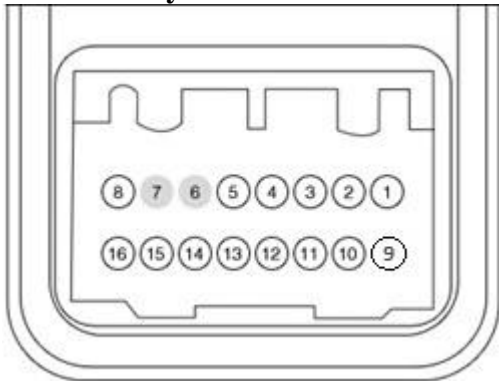
1. Reconnect the negative battery cable and torque to 3 ft-lbs.
2. Re-enter any theft deterrent information (if applicable).
3. Turn the ignition switch to the ON position.
4. Shift the vehicle into reverse and confirm video feed to your device.

Reassembly

1. Once the video is confirmed to be displayed in the mirror when in reverse, attach the new mirror to the windshield.
2. Reinstall all trim pieces taking special care to ensure harnesses and wiring connections are properly secured.
3. Make sure no harnesses are bent or pinched by trim pieces.

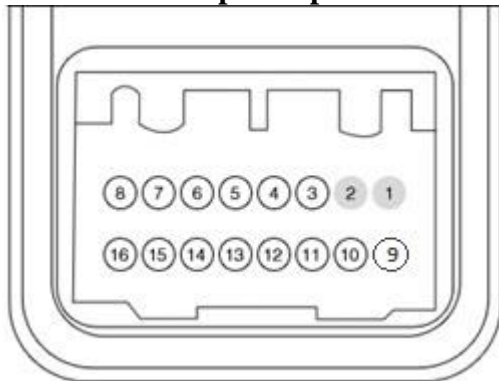
Use the chart below to determine where the two camera video leads should go for your application.

Monitor only Pin Insertions



| Pin | Circuit Description |
|-----|---|
| 1 | NOT USED |
| 2 | NOT USED |
| 3 | NOT USED |
| 4 | NOT USED |
| 5 | SINGLE OUTSIDE DRIVE EC (+) |
| 6 | <u>CAMERA NTSC/PAL VIDEO (+) (Insert RED bullet connector)</u> |
| 7 | <u>CAMERA NTSC/PAL VIDEO (-) (Insert GREY bullet connector)</u> |
| 8 | VEHICLE GROUND |
| 9 | REVERSE INPUT (ACTIVE HIGH) |
| 10 | NOT USED |
| 11 | ONSTAR KEYPAD OUTPUT |
| 12 | ONSTAR KEYPAD POWER |
| 13 | IGNITION (RUN LINE ONLY) |
| 14 | ONSTAR LED GREEN |
| 15 | ONSTAR LED RED |
| 16 | SINGLE OUTSIDE DRIVE (-) |

Monitor w/Temp Compass Pin Insertions



| Pin | Circuit Description |
|-----|---|
| 1 | <u>CAMERA NTSC/PAL VIDEO (+) (Insert RED bullet connector)</u> |
| 2 | <u>CAMERA NTSC/PAL VIDEO (-) (Insert GREY bullet connector)</u> |
| 3 | CAMERA VIDEO SHIELD |
| 4 | NOT USED |
| 5 | SINGLE OUTSIDE DRIVE EC (+) |
| 6 | OUTSIDE TEMPERATURE (+) |
| 7 | OUTSIDE TEMPERATURE (-) |
| 8 | VEHICLE GROUND |
| 9 | REVERSE INPUT (ACTIVE HIGH) |
| 10 | NOT USED |
| 11 | ONSTAR KEYPAD OUTPUT |
| 12 | ONSTAR KEYPAD POWER |
| 13 | IGNITION (RUN LINE ONLY) |
| 14 | NOT USED |
| 15 | NOT USED |
| 16 | SINGLE OUTSIDE DRIVE (-) |

Troubleshooting

Condition: The vehicle will not start.

Solution: Installer must cut and isolate the wire in pin location 3 to remove the LAN communication circuit from the new mirror.

Condition: Mirror/monitor does not power on.

Solution: Check for 12-volts of power at the **yellow** ignition wire. Check for less than 5 Ohms resistance to the **black** ground wire. Check for 12-volts of power at pin location 13 when the ignition is on. Refer to the pin diagram above for pin locations and use.

Condition: Monitor image displays momentarily and then powers off.

Solution: Verify that **Green** reverse wire from mirror/monitor has 12-volts of power when the vehicle is shifted into reverse.