# Table of Contents

- About Rostra/Installer Notes .................................................. Page 2
- Fleet Safety Equipment Additions ........................................... Page 3
- Rearview Mirror Adapters ...................................................... Page 4
- Factory LCD Interface Cameras .............................................. Page 5
- Vehicle Camera Systems .......................................................... Page 7
  - Magna/RearSight® LCD Mirrors and Monitors ......................... Page 7
  - 3rd Brake Light Cameras ........................................................ Page 9
  - Universal CCD and CMOS Color Cameras ............................... Page 10
  - Tailgate-Handle Integrated Cameras ....................................... Page 11
- Infinity RearSight Rearview Mirrors ......................................... Page 13
- DashCam Dashboard Video Recording Cameras ......................... Page 14
- BackZone/FrontZone Parking Assistance Systems .................... Page 15
- Con-Verse Hands-Free Bluetooth® Systems ............................ Page 16
- SoftTouch™ Navigation Systems ............................................. Page 17
- ComfortHeat/ComfortSeat Seat Heaters & Lumbar Supports ........ Page 18
- Drive-By-Wire Cruise Control Systems .................................... Page 19
- Global Cruise Universal Cruise Control System ....................... Page 20
- Interior/Exterior LED Lighting Assemblies ............................... Page 21
- Vehicle-Specific LED Daytime Running Light (DRL) Systems ....... Page 22
- Universal LED Daytime Running Light (DRL) Systems ............... Page 23

**In this issue...**

Don’t miss our new line of OE LCD interface cameras on page 5!

---

**Pictured:** 250-8407-PRO
About Rostra Precision Controls

Rostra, an ISO 9001/TS 16949 Certified company, in addition to supplying OEM components to some of the world’s largest auto and truck component manufacturers, is also North America’s single largest supplier of cruise controls and transmission products to the automotive aftermarket. We are continuously pioneering the development and marketing of innovative automotive accessories. Backed by nearly 150 years of experience in precision manufacturing, we have earned our reputation as an ideal partner throughout the automotive industry.

Fast Facts

At our Laurinburg, NC headquarters, Rostra currently maintains a staff of over 100 employees between our manufacturing and business development teams.

Our product validation facilities allow us to simulate extreme real-world conditions including tests for hot and cold temperatures, along with ingress protection (IP).

Our ability to scale production lines and add new products is largely due to our facility size. Our manufacturing plant measures over 80,000 square-feet.

Our shipping and receiving department is available for shipments Monday-Friday from 9:00 AM until 4:00 PM. Six loading docks allow for easy loading and unloading.

Maintaining on-site technical support means you get answers to complicated questions quickly and from technicians that helped develop the products you install.

Rapid prototyping allows us to create new products per customer specifications at an incredibly fast pace with very little delay between product design and shipping.

Our Specialities

- Universal and vehicle-specific electronic cruise control systems.
- Vehicle rear obstacle sensing and parking assist systems.
- Universal backup camera systems with CCD or CMOS cameras.
- Transmission solenoids, automotive sensors and controls, vacuum modulators, and transmission wire harnesses.
- Comfort products including lumbar supports and seat heaters.

Design, Engineering, and Prototyping

Our innovative Design and Engineering Department works with virtually all phases of the manufacturing process, right up through customer technical support. This hands-on approach allows us to respond to the changing demands of the marketplace.

Our sophisticated Prototype Department has an expert staff, working with today’s most advanced equipment. They can bring a product from concept into full reality in astonishingly little time.

We make sure that every single product undergoes the most rigorous durability testing. When a product passes our test, you can be sure it’s the best. Our testing facilities include:

- Thermo-Shock Chamber
- Environmental Chamber
- Hydraulic and Air Tests
- Force Displacement
- Dust Chamber
- Salt Spray Chamber
- Vibration Analysis
- Life Cycle Testing

In addition to supplying U.S. customers from our North Carolina plant, we currently export to: Australia, Belgium, Brazil, Canada, China, Denmark, Finland, France, Germany, Holland, Israel, Japan, Korea, Malaysia, Mexico, New Zealand, Norway, South Africa, Sweden, Switzerland, Turkey and the United Kingdom.

Installer Notes

The information in this manual has been carefully compiled through actual vehicle testing and manufacturers service manual research, and to the best of our ability is accurate. However, we do not warrant the accuracy of this information against changes in vehicle design, the use or misuse of this information, or typographical errors. It is the responsibility of the installer to verify the signal and color on the wire attachments prior to and after the installation of the accessory to assure proper operation of the accessory and the vehicle through a road test. We do not accept any responsibility for damage to the vehicle or injury to its occupants caused by the use of this information. Connection of incorrect wires could cause accessory or vehicle malfunctions and component damage. These conditions can cause a major risk while driving for you, your passengers and other motorists, exposing all of you to the risk of accident and injury.
New For 2015 - Fleet Safety Equipment Additions

250-8211
Monitor Specifications
5-inch LCD monitor
480 x 272 resolution
Matte finish reduces glare
Dual video inputs
Includes pedestal mount
Auto day/night dimming
Adjustable brightness/contrast
Built-in speakers for audio

250-8213
Monitor Specifications
5-inch LCD monitor
480 x 272 resolution
Matte finish reduces glare
Dual video inputs
Includes stem/pedestal mounts
Auto day/night dimming
Adjustable brightness/contrast
Built-in speakers for audio

250-8212
Monitor Specifications
7-inch LCD monitor
800 x 480 resolution
Matte finish reduces glare
Quad video inputs
Includes pedestal mount
Auto day/night dimming
Adjustable brightness/contrast
Built-in speakers for audio

250-8214
Monitor Specifications
7-inch LCD monitor
800 x 480 resolution
Matte finish reduces glare
Quad video inputs
Includes stem/pedestal mounts
Auto day/night dimming
Adjustable brightness/contrast
Built-in speakers for audio

250-8148-10M and 250-8148-20M
Camera Specifications
Super CMOS sensor
580 TV Lines resolution
170-degree wide view
Threaded connectors
10 or 20 meter harnesses
.1 Lux daytime illumination
0 Lux night vision illumination
Built-in microphone for audio

250-8149-10M and 250-8149-20M
Camera Specifications
1/4" CCD image sensor
420 TV Lines resolution
130-degree wide view
Threaded connectors
10 or 20 meter harnesses
.1 Lux daytime illumination
0 Lux night vision illumination
Built-in microphone for audio
Adapt a vehicle’s original equipment rearview mirror mount to accommodate any of Rostra’s RearSight® LCD-equipped rearview mirrors or monitors with one of our custom mirror stem adapters. Please visit rostra.com for a complete application listing and updates.

250-8604
Multiple Dodge/Mercedes/Smart applications

250-8605
Multiple Volkswagen/Audi applications

250-8606
Volkswagen Passat (2012-2014)

250-8608
Multiple Dodge/Ram/Chrysler applications

250-8609
Multiple Honda/Scion/Subaru applications

New For 2015 - BedLights LED Truck Bed Lighting

Coming soon from Rostra - an innovative way of illuminating the bed of a pickup truck or cargo area of a car or SUV. Stay tuned for more information about the release of our new BedLight product line!
Factory LCD Screen Interface Cameras

250-8407-PRO 2014+ Ram ProMaster Uconnect 5.0 screen interface camera system.
250-8407-W (most 2014+ Chrysler/Jeep/Dodge)

250-8408-W (most 2011-2014 Chrysler/Jeep/Dodge)

250-8409-W (most 2011-2014 Chrysler/Jeep/Dodge)

Wedge camera system for 5" and 8.4" Radios.

250-8415-W (most 2013-2014 Mazda vehicles)

Wedge camera system for MyGig Radios.

250-8413 (most 2012-2015 MyFord Touch)

Wedge camera system for CTP, RE4, RE2 Radios.

250-8414 (most 2013-2015 GM IntelliLink/MyLink/CUE)

Wedge camera system for factory 5.8" LCD screens.

Base Camera Installation System for MyFord Touch. Add any RCA-equipped camera to factory 8" screens.

Base Camera Installation System for GM vehicles. Add any RCA-equipped camera to factory 4.2" & 8" screens.
Please visit [rostra.com](http://rostra.com) for a complete application listing and updates.

### Chevrolet

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>Part Number</th>
<th>Camera</th>
<th>DAR</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007-2011</td>
<td>Avalanche</td>
<td>250-8039</td>
<td>CMOS</td>
<td>Yes</td>
<td>Requires factory navigation radio.</td>
</tr>
<tr>
<td>2014</td>
<td>Impala *</td>
<td>250-8414-W</td>
<td>CMOS</td>
<td>No</td>
<td>Requires factory 8&quot; touch screen with MyLink system.</td>
</tr>
<tr>
<td>2007-2011</td>
<td>Silverado</td>
<td>250-8569-NAV</td>
<td>CMOS</td>
<td>Yes</td>
<td>Requires factory navigation radio.</td>
</tr>
<tr>
<td>2014-2015</td>
<td>Silverado *</td>
<td>250-8414-NAV</td>
<td>CMOS</td>
<td>No</td>
<td>Requires factory 4.2&quot; or 8&quot; screen with MyLink or IntelliLink.</td>
</tr>
<tr>
<td>2007-2011</td>
<td>Suburban</td>
<td>250-8039</td>
<td>CMOS</td>
<td>Yes</td>
<td>Requires factory navigation radio.</td>
</tr>
<tr>
<td>2015</td>
<td>Suburban *</td>
<td>250-8414-W</td>
<td>CMOS</td>
<td>No</td>
<td>Requires factory 8&quot; screen with MyLink.</td>
</tr>
<tr>
<td>2007-2011</td>
<td>Tahoe</td>
<td>250-8039</td>
<td>CMOS</td>
<td>Yes</td>
<td>Requires factory navigation radio.</td>
</tr>
<tr>
<td>2015</td>
<td>Tahoe *</td>
<td>250-8414-W</td>
<td>CMOS</td>
<td>No</td>
<td>Requires factory 8&quot; screen with MyLink.</td>
</tr>
</tbody>
</table>

### Dodge

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>Part Number</th>
<th>Camera</th>
<th>DAR</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>Durango</td>
<td>250-8407-W</td>
<td>CMOS</td>
<td>Yes</td>
<td>Requires factory 5&quot; or 8.4&quot; screen.</td>
</tr>
</tbody>
</table>

### Ford

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>Part Number</th>
<th>Camera</th>
<th>DAR</th>
<th>Notes</th>
</tr>
</thead>
</table>

### Ram Trucks

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>Part Number</th>
<th>Camera</th>
<th>DAR</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>ProMaster</td>
<td>250-8407-PRO</td>
<td>CMOS</td>
<td>Yes</td>
<td>Requires factory 5&quot; touch screen (Uconnect 5.0)</td>
</tr>
<tr>
<td>2013-2015</td>
<td>Ram Truck</td>
<td>250-8407-LC</td>
<td>CMOS</td>
<td>Yes</td>
<td>For use with 5&quot; and 8.4&quot; touch screens.</td>
</tr>
<tr>
<td>2013-2015</td>
<td>Ram Truck</td>
<td>250-8407-LC-C</td>
<td>CMOS</td>
<td>Yes</td>
<td>For use with 5&quot; and 8.4&quot; touch screens. Chrome handle.</td>
</tr>
<tr>
<td>2009-2012</td>
<td>Ram Truck</td>
<td>250-8408-LC</td>
<td>CMOS</td>
<td>Yes</td>
<td>Requires MyGIG Multimedia System.</td>
</tr>
</tbody>
</table>

### Scion

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>Part Number</th>
<th>Camera</th>
<th>DAR</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>xB</td>
<td>250-8410</td>
<td>CMOS</td>
<td>No</td>
<td>Requires OE 6.1&quot; touch screen.</td>
</tr>
</tbody>
</table>

### Subaru

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>Part Number</th>
<th>Camera</th>
<th>DAR</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-2014</td>
<td>BRZ</td>
<td>250-8410</td>
<td>CMOS</td>
<td>No</td>
<td>Requires OE 6.1&quot; touch screen.</td>
</tr>
</tbody>
</table>

DAR = Dealer Activation Required
* Vehicle cannot be equipped with factory rear-seat entertainment or be prewired for factory rear-seat entertainment with Blue-ray player and motorized screen.
Today’s drivers are more safety conscious than ever. With the popularity of SUVs, trucks and larger vehicles, blindspot areas behind and beside the vehicle are an increasing problem. Sophisticated video technology now makes it affordable for drivers to have an added dimension of safety. A RearSight® Automotive Rear View Backup Camera System makes backing up easier and less prone to accidents. Nearly every kind of vehicle can benefit from a RearSight Camera System. And with the many systems and options Rostra offers, RearSight® is sure to be one of the most desirable safety products in the aftermarket.

**250-8208**

**Mirror Specifications**

- 4.3-inch TFT LCD monitor.
- LCD dims automatically.
- 400 x 234 resolution.
- 16:9 aspect ratio.
- Anti-glare coated glass.
- Two video inputs.
- Reverse override.
- Adjustable LCD brightness.

**250-8072**

**Mirror Specifications**

- 4.3-inch TFT LCD monitor.
- 480 x 272 resolution.
- Anti-glare coated glass.
- Two video inputs.
- Reverse trigger override.
- Selectable parking gridlines.
- Adjustable brightness
- Adjustable contrast.

**250-8209**

**Mirror Specifications**

- 4.3-inch TFT LCD monitor.
- LCD dims automatically.
- 400 x 234 resolution.
- 16:9 aspect ratio.
- Anti-glare coated glass.
- Two video inputs.
- Reverse override.
- Trilobe stem for Dodge vehicles.

**250-8210**

**Mirror Specifications**

- 4.3-inch TFT LCD monitor.
- LCD dims automatically.
- 400 x 234 resolution.
- 16:9 aspect ratio.
- Anti-glare coated glass.
- Two video inputs.
- Reverse override.
- Trilobe stem for Ford vehicles.
250-8800
Mirror Specifications
3.5-inch TFT LCD display. 4:3 aspect ratio Auto-dimming mirror glass.
High resolution display. OEM approved.

250-8801
Mirror Specifications
3.5-inch TFT LCD display. 4:3 aspect ratio Auto-dimming mirror glass. High resolution display. OEM approved. Compass/Temp. readout. * Available with universal wire harness and temperature probe as part number 250-8801TP.

250-8802
For General Motors vehicles
Mirror Specifications
3.5-inch TFT LCD display. 4:3 aspect ratio Auto-dimming mirror glass.
High resolution display. OEM approved. Built-in OnStar™ controls. **

250-8803
For General Motors vehicles
Mirror Specifications
3.5-inch TFT LCD display. 4:3 aspect ratio Auto-dimming mirror glass.
High resolution display. Compass/Temp. readout. * Built-in OnStar™ controls. **

250-8804
Mirror Specifications
3.5-inch TFT LCD display. 16:9 aspect ratio Auto-dimming mirror glass.
High resolution display. OEM approved. Slimline design for car/SUV. * Requires factory temperature sensor for plug-n-play installation. Temperature probe and harness available for universal applications. ** Requires OnStar hardware and service for operation.

Mirror Stem Mount Adapters Available
Adapt a vehicle’s original equipment rearview mirror mount to accommodate any of Rostra’s RearSight® LCD-equipped rearview mirrors.

250-8604
Multiple Dodge/Mercedes/Smart
250-8605
Multiple Volkswagen/Aud
250-8606
Volkswagen Passat (2012-2014)
250-8608
Multiple Dodge/Ram/Chrysler applications
250-8609
Multiple Honda/Scion/Subaru applications
Sentry Pro-Grade Heavy-Duty Fleet Safety Equipment

250-8118
Monitor Specifications
4.3-inch LCD monitor. 480x272 resolution. Matte finish reduces glare. Four video inputs. Includes stem/dash mounts. Adjustable brightness/contrast. Touch-based controls. Selectable parking grid lines.

250-8143-A
Camera Specifications
1/3-inch CMOS color camera. 0 Lux light sensitivity. 24-LED infrared ring. 33’ harness included. Versatile mounting options. Includes RCA adapters. Mounting hardware included.

3rd Brake Light Integrated Infrared Cameras
3rd brake light cameras provide some of the most popular fleet vehicles in the automotive industry with an innovative way of overcoming their notorious blindspots. Now available for Dodge and Mercedes Sprinter vans, Chevrolet Express and GMC Savana vans, the Nissan NV, and new Ram ProMaster, Rostra’s line of 3rd brake light cameras add the safety benefits of a rear vision system while retaining the original brake lamp functionality.

3rd Brake Light Camera Features (applies to 250-8144, 250-8145, 250-8146, 250-8148)
- IP67/IP68 Water Proof
- Super CMOS Image Sensor
- 170-degree Viewing Angle
- Built-in Microphone
- 648 x 488 Effective Pixels
- 480 Resolution (TV Lines)
- Extension Harness Included
- 0 Lux with Infrared Night Vision

250-8144
2007-2014 Dodge/Mercedes Sprinter

250-8145
2004-2013 Chevrolet/GMC Express/Savana

250-8146
2012-2014 Nissan NV (all trim levels)

250-8407-PRO
ProMaster camera adapter
- 1/4-inch CMOS camera
- 160-degree view
- .5 Lux light sensitivity
- Overlaid parking gridlines
- Waterproof case
- Anti-fog lens
- Includes hardware

250-8148-10M and 250-8148-20M
Universal mount 33’ and 66’ harness kits
**250-8082A**

**Camera Specifications**
1/4-inch CMOS camera.  
160-degree view.  
.5 Lux light sensitivity.  
Standard S-Video plugs.  
Includes RCA adapter.  
Includes tab/hinge mounts.  
Overlaid parking gridlines.  
Waterproof case/anti-fog lens.  
Includes 30-foot harness.

---

**250-8083A**

**Camera Specifications**
1/4-inch CMOS camera.  
160-degree view.  
.5 Lux light sensitivity.  
Standard S-Video plugs.  
Includes RCA adapter.  
Flush-mounts to flat surface.  
Overlaid parking gridlines.  
Waterproof case/anti-fog lens.  
Includes 30-foot harness.

---

**250-8092A**

**Camera Specifications**
1/4-inch CMOS camera.  
160-degree view.  
.5 Lux light sensitivity.  
Includes RCA adapter.  
Includes 30-foot harness.  
Built-in license plate bracket.  
Can mount behind license plate.  
Waterproof case/anti-fog lens.  
Includes all mounting hardware.

---

**250-8105A**

**Camera Specifications**
1/4-inch CCD camera.  
160-degree view.  
.5 Lux light sensitivity.  
Includes RCA adapter.  
Includes 30-foot harness.  
Includes tailgate handle shroud.  
Drill-in style for flush mounting.  
Waterproof case/anti-fog lens.

---

**250-8112A**

**Camera Specifications**
1/4-inch CCD camera.  
160-degree view.  
.5 Lux light sensitivity.  
Includes RCA adapter.  
Includes 30-foot harness.  
'Teardrop' mount for liftgates.  
Includes license plate bracket.  
Includes tailgate handle shroud.  
Waterproof case/anti-fog lens.

---

**250-8147**

**Camera Specifications**
1/4-inch CMOS camera.  
160-degree view.  
.5 Lux light sensitivity.  
RCA video plugs.  
30-foot harness length.  
Overlaid parking gridlines.  
Drill-in style for flush mounting.  
Lip or tailgate mountable.  
Waterproof case/anti-fog lens.  
Includes all mounting hardware.

---

**250-8110A**  **250-8110ABLK**

White  
Black

CCD color camera with 1/4-inch lens.  
150-degree peripheral view.  
.5 Lux light sensitivity.  
Standard RCA video connections.  
Includes manually adjustable lens hood.  
Includes swiveled hinge mount.

Infrared LED ring provides night vision.  
Includes 49-foot extensions harness.  
Built-in microphone for in-cab audio.  
IP 68 weatherproof rating.  
Available in white and black.
Rostra's complete line of tailgate handle integrated cameras provides a unique way of adding a backup camera system to many of the most popular pickup trucks on the road. Each tailgate handle is available with either a CCD or CMOS camera, and each CMOS camera comes equipped with selectable parking gridlines that can be turn on or off depending upon your preference. As always, every tailgate handle camera offered by Rostra includes a 30-foot extensions harness, weatherproof plugs, universal RCA connectors, and our industry-leading 3-year/36,000 mile warranty.

2007-2013 * Chevrolet Silverado and GMC Sierra

250-8569
1/4-inch CMOS camera.
160-degree view.
.5 Lux light sensitivity.
Standard S-Video plugs.

250-8618
Chrome/CMOS version
Includes RCA adapter.
Overlaid parking gridlines.
Waterproof case/anti-fog lens.
Includes 30-foot harness.

2010-2015 Dodge Ram Trucks

250-8586
CCD version
1/4-inch CMOS camera.
160-degree view.

250-8601
CMOS version
.5 Lux light sensitivity.
Standard S-Video plugs.

250-8614
Chrome/CMOS version
Includes RCA adapter.
Overlaid parking gridlines.
Waterproof case/anti-fog lens.
Includes 30-foot harness.

2004-2014 Ford F-Series (See application notes below)

250-8595
CCD version
1/4-inch CMOS camera.
160-degree view.
2004-2014 F150 **

250-8600
CMOS version
.5 Lux light sensitivity.
Standard S-Video plugs.
2008-2014 F250/F350/450/550 **

250-8612
Chrome/CMOS version
Includes RCA adapter.
Overlaid parking gridlines.
Waterproof case/anti-fog lens.
Includes 30-foot harness.

* Also fits 2014 HD model Silverado and Sierra
** Not for use with Heritage model trucks.
2005-2015 Toyota Tacoma

**250-8610**
CMOS version
1/4-inch camera.
160-degree view.
.5 Lux light sensitivity.

**250-8616**
Chrome/CMOS version
Includes RCA adapter.
Waterproof case/anti-fog lens.
Includes 30-foot harness.

2007-2013 Toyota Tundra

**250-8587**
CCD version
1/4-inch camera.
160-degree view.
.5 Lux light sensitivity.

**250-8599**
CMOS version
Includes RCA adapter.
Waterproof case/anti-fog lens.
Includes 30-foot harness.

2014+ Chevrolet Silverado & GMC Sierra

**NEW**

**250-8622**
1/4-inch CMOS color camera.
150-degree wide angle lens view.
.5 Lux light sensitivity for low-light.

RCA adapter included (camera works with any monitor)
Waterproof case and anti-fog lens for extended life
30-foot extension harness included has enough length for any truck.
Introducing Infinity RearSight®, Rostra’s all-new line of deluxe rearview mirror systems. With Infinity mirrors, you’ll see things in a whole new way. With their edge-to-edge mirror glass, the rearview mirror no longer stands out from the windshield, but blends seamlessly into the forward-facing environment—all while providing extra depth and enhanced visibility over a traditional mirror.


**250-8705** Infinity Electrochromic Edge-to-edge glass. Auto-dimming.

**250-8706** Infinity Electrochromic Edge-to-edge glass. Auto-dimming. Compass.


HomeLink® is a registered trademark of Gentex Corporation.
Introducing DashCam - a series of compact, fully-featured digital video capture systems that use a standard Clas 10 SD or microSD card for storage and record on-road video while you drive. The DashCam recording units and their associated accessories are specifically designed with mobility in mind. Their compact form factor means they blend seamlessly into most vehicle dashboards and windshields while providing easy access to their many features including video playback, starting and stopping recordings, and turning audio capture on or off. The software suite included with each Dashboard Video Recording System provides a sophisticated means of extracting video to a personal computer for editing, as well as providing access to many other features including overlaying GPS coordinates onto a Google Map to view driving patterns, and viewing telemetry data such as in-car G-forces experienced while driving.

**250-8918**

**DashCam Specifications**
1-Channel video recording with front-facing camera.
Front camera: 105-degree, 1080p video resolution.
Built-in 2.5-inch LCD screen for video playback.
Navigate video settings built built-in user interface.
Automatically records with ignition power.
Microphone and speaker for audio recording/playback.
IR remote control included.

**250-8919**

**DashCam Specifications**
2-Channel video recording with dual cameras
Front camera: 120-degree, 720p video resolution
Interior camera: 170-degree, VGA video resolution
Interior camera includes infrared LEDs for night vision
Solid-mount and suction cup mounts included.
Records GPS location for route mapping (Google Maps)
Automatically records with ignition power
Microphone and speaker for audio recording/playback

**250-8919HD**

Same feature set as part number 250-8919.
SD card security panel with security screws.
Includes hard-wired mini USB power supply.

8GB Class 10 microSD card included for recording video.
IR remote and video-out cable available separately.
The BackZone Plus and FrontZone are revolutionary automotive reverse parking assist systems developed by Rostra Precision Controls and designed to give every driver peace-of-mind while parking their vehicle in cramped quarters. The BackZone Plus and FrontZone units provide both visual and audible alerts to the potential dangers of nearby obstacles through the use of an included buzzer built into a digital display that can be mounted on your sun visor or dashboard.

Included in every BackZone Plus and FrontZone ultrasonic parking assist system, you will find four bumper-mountable ultrasonic sensors with additional 6-degree and 12-degree angled bezels added to accommodate curved bumpers (see photos). Likewise, each kit includes four rubber sleeves to be used to reduce sensor vibration when mounting the ultrasonic sensors in steel bumpers. These sensors provide information to the main control module via the vehicle-length wiring harness, also included. The sensors included with each BackZone Plus arrive with a flat-black finish that can be painted to match the vehicle’s exterior.*

**BackZone Plus and FrontZone Advantages**

**Safer Parking Decision**

Make safer parking decisions by using an automotive parking assist to alert you to obstacles nearing your vehicle while parking.

**Ultrasonic Detection**

BackZone Plus and FrontZone’s ultrasonic-based technology means consistency on targets of all densities with fewer false alarms.

**Paintable Bumper Sensors**

The flat black sensors included with each BackZone Plus or FrontZone kit can be painted to match the factory fit and finish of your car!

**Audible Alarm**

The audible alarm included in each automotive parking assist kit provides a unique way of alerting drivers to nearby unseen obstacles.

**BackZone Plus and FrontZone Detection Zones**

[child:96_inches]
Good driving requires two hands! Rostra Precision Controls is proud to offer an innovative product that is going to change the way you use your cellular phone while driving. The Con-Verse Automotive Bluetooth® Hands-Free System allows you to keep both hands on the wheel while driving, keeping you alert and aware of your surroundings, ready to react without any distractions.

Customized Bluetooth® kits include factory look-alike switches designed to fit directly into the knock-out plugs currently on your vehicle’s dashboard. They allow you to retain your automobile’s factory finish, all while adding the benefits of a hands-free, voice-activated calling system and include wiring harnesses designed to tie directly into your vehicle’s radio.

Plug and Play

- Custom-fit and vehicle-specific wiring harnesses included in every Bluetooth® kit makes for quick and easy installations normally involving no cutting or splicing of existing vehicle wiring.

Full Duplex DSP

- Full Duplex Digital Signal Processing of audio by every Bluetooth® system means you are assured the very best sound quality throughout every phone call or every streamed song.

Multi-Pairing

- Utilizing the internal memory in every Bluetooth® module allows for the memorization of up to 5 different cellular phones! Extra phones can be added in just a few short steps, if needed.

Rapid Call Transfer

- Phone calls already in progress are transferred between the Bluetooth® module and your cell phone seamlessly when your vehicle’s ignition is turned on or off.

Volume Control

- With the single-button volume control built into every Bluetooth® control switch, the audio playing over your vehicle’s speakers is centralized, easy to find and easy to use.

Incoming Call Rejection

- Got a call coming in that you don’t want to take? Built into our control switches and modules is the functionality to reject a call, transferring it safely to your voicemail.

Upgradeable Software

- Software upgradeability within the Bluetooth® module means that as the Bluetooth® standard grows within the cellular phone industry, your Con-Verse by Rostra system will be able to keep pace.

Multiple Switch Options

- Rostra offers a variety of switches to be connected to your Bluetooth® system allowing you to keep the original fit and finish of your vehicle’s interior. See above for images.

250-7503 3rd Gen Toyota
250-7504 Nissan
250-7505 Honda
250-7565 Mazda
250-7566 Subaru
250-7526 Universal
SoftTouch™ Navigation Interface Systems

Adding a navigation system to your General Motors, Toyota, or Ford vehicle has never been easier than with the SoftTouch Navigation Interface System from Rostra Precision Controls, Inc. Designed to be used with GM’s MyLink system, Ford’s MyFord Touch, and Toyota vehicles equipped with a factory 6.1-inch touch screen, a SoftTouch navigation system provides a way of adding a seamless navigation interface to your vehicle without the hassle or cost of dealership re-programming, or the danger of software and firmware re-flashing. Please visit www.rostra.com to view all products and vehicle-specific applications.

250-7610
Multiple General Motors vehicles.

250-7613
Multiple Toyota applications

250-7616
2013-2014 Toyota RAV4 *

250-7614
Multiple 2012-2015 Ford vehicles

250-7615
Multiple 2012-2015 Ford vehicles

250-7618/250-7619
Honda Accord/Crosstour/Odyssey applications
Demand is heating up! Experience the gentle, therapeutic warmth of a Rostra ComfortHeat automotive carbon-fiber seat heating system with dual-zone heating for soothing lower back pain and adding car seat comfort that works with cloth or leather vehicle seats. The therapeutic seat heater is fast-heating providing warmth in less than a minute. Treat yourself to the ultimate in comfort by installing both the ComfortSeat Lumbar Support and therapeutic ComfortHeat heated seats in your vehicle today!

**ComfortHeat Seat Heating Features (applies to all)**
- Feel heat in less than a minute with rapid heat-up.
- Easy-to-locate LED backlit control switches.
- Control switches designed to match factory interiors. Includes all wiring and connectors for installation.
- FMVSS 302 material burn resistance compliant.
- Wires protected by thick insulating material.
- Two-wire installation (12V ignition power and ground).
- Locking harness ends ensure stable wire connections.
- Includes modifiable 10” x 19” heating elements.
- Element temperatures range from 91°F to 127°F.
- Elements controlled individually with built-in thermostat.
- Elements held in place with heat-resistant adhesive.

**Cruise in comfort!** With the ComfortSeat Lumbar Support System, you can set the amount of lower back muscle support you need for your individual comfort while driving. Tucked away inside the driver or passenger seat, the Lumbar Support System provides the precise amount of extra lumbar support to your lower back, decreasing lumbar strain at your command. With just the touch of a finger, the seat or console-mounted switch activates a pneumatic motor filling the bladder within the seat. Make every drive a comfortable drive.

**ComfortSeat Lumbar FAQ**

**How long does it take to install the Automotive Lumbar Support?**
The Lumbar Support has universal application and is easy to install. Estimated installation time is approximately 1 hour or less.

**Will I need to remove the seat?**
No. The Lumbar Support can be installed without removing the seat. The seat cover needs only to be pulled up, not removed.

**What is the difference between a “front mount” and a “rear mount”?**
A “front mount” fits between the foam and upholstery. A “rear mount” fits behind the foam.

**Part Numbers**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>250-1453</td>
<td>Front-mount support</td>
</tr>
<tr>
<td>250-1454</td>
<td>Rear-mount support</td>
</tr>
<tr>
<td>250-1752</td>
<td>Toyota lumbar support</td>
</tr>
</tbody>
</table>
Drive-by-Wire Cruise Control Systems

Drive-by-wire add-on cruise control systems by Rostra are available for many popular vehicle platforms from manufacturers like Toyota/Scion, General Motors, Suzuki, Dodge, Mitsubishi and Chrysler. Each cruise control system is designed with ease of installation in mind and more often than not consists of hardware meant to be completely plug-and-play.

What is included with a Rostra cruise control system?

A typical add-on cruise control system by Rostra includes an intelligent electronic control module with a built-in firmware package designed to deliver specific commands to a vehicle’s onboard computer system or accelerator pedal position sensor. When combined with the fashionable control switch, an accelerator pedal interface harness, and primary system power harness, Rostra’s cruise control systems provide a carefree way of maintaining highway driving speeds.

Popular Applications for 2015

- **250-9610**
  Ford  
  2011-2015 Fiesta

- **250-9612**
  Ford  
  2014-2015 Transit Connect  
  1.6L engine only

- **250-9613/250-9614**
  Chevrolet/GMC  
  2011-2015 Cruze (A/T or M/T)  
  2015 Colorado/Canyon (A/T or M/T)

- **250-1836**
  Toyota  
  Multiple 2006-2015 vehicles

- **250-9604**
  Nissan  
  2007-2015 Sentra

- **250-9633**
  Mitsubishi  
  2014-2015 Mirage

View our complete list of electronic cruise controls at [www.rostra.com](http://www.rostra.com)!

Coming soon...

In 2015, our electronic cruise control systems take a giant leap forward with the addition of our latest control switch allowing you to access the expanded potential of Rostra’s cruise control modules. Stay tuned for more details!
Global Cruise Universal Cruise Control

Set your speed with a touch of your finger! Once selected your cruise control constantly measures changes in the engine loading and vehicle speed in order to maintain a constant speed on the highway. Easily set the controls and avoid unintended speeding. Slow down or accelerate, you don’t have to touch the pedal. Use your RF switch and have that same functionality built right into your steering wheel!

**Improved Operation**
- Set Speed
- Coast/Reduce Speed
- Resume/ Accel
- Tap-Up, 1 MPH per tap
- Tap-Down, 1 MPH per tap
- Controlled Resume Rate

**Enhanced Features**
- Modular Design
- Wiring Harness with Lock
- Redesigned Water Sealing
- Self Diagnostics
- Smaller Module

**Enhanced Adaptability**
- Works with 3, 4, 5, 6 or 8 Cylinders
- Select Square or Sine Wave Speed
- Signal Source
- Select Acceleration Rate
- Select Gain Control
- Select M/T or A/T

**Easier Installation**
- No Vacuum Required
- No Clutch Switch Needed
- VSS Wire Already in Harness
- Compatible with Neutral Safety
- Compatible with Direct Fire Ignition

**250-1223** (Universal)

Designed to work with any vehicle incorporating the use of a mechanically-operated throttle, a Rostra Universal Cruise offers a great deal of flexibility when it comes to adding a cruise control system to your vehicle. Whether you're restoring a classic hot-rod, prepping the family minivan for holiday traveling or looking to save on the cost of fuel for your motorhome, a universal cruise control from Rostra is the only way to go!

---

**Universal and Vehicle-Specific Cruise Control Switches**

- **250-3020** Early GM-style lever (1981 and earlier).
- **250-3021** Early Ford-style lever (1983 and earlier).
- **250-3026** GM/AMC switch with dimmer.
- **250-3304** “Stubby” universal mount with non-adjustable arm.
- **250-3032** “Cut Off” installs over existing turn signal lever shaft.
- **250-3421** “Slim Arm” universal left-hand mount with adjustable arm.
- **250-3446** “Slim Arm” universal right-hand mount with adjustable arm.
- **250-3742** Universal left-hand mount with On/Off LED.
- **250-3743** Universal right-hand mount with On/Off LED.
- **250-3743** Universal right-hand mount with On/Off LED.
- **250-3002** “Piggy Back” installs on existing lever.
- **250-1483** Universal bottom mount RF with bracket.
Introducing CiteLites, a unique new way of illuminating your vehicle's interior. With their high-power LEDs, CiteLites provide improved visibility over classic halogen lighting during low-light conditions, and can be powered either by the same wiring that illuminates your other interior lighting, or powered to different lighting color temperatures - a warm light to match your current interior lighting, or a cool, white light for extra clarity. Contact your regional sales manager, or visit rostra.com to learn more!

CiteLite LED assembly and headliner bezel

**CiteLite Part Numbers and Descriptions**

- **260-1029** One set (2 lights) warm CiteLites.
- **260-1030** One set (2 lights) cool CiteLites.
- **260-1035** One CiteLite, warm.
- **260-1030** One CiteLite, cool.

Introducing Rostra's all-new 260-1034 StarLight LED Lighting System - a first-of-its-kind universal solution for adding a series of ultra-bright LED lights to a vehicle's interior or exterior. With ease of installation in mind, we've developed an amazingly versatile lighting system that leverages the efficiency of LED lights in a package designed to provide more illumination than traditional halogen lighting assemblies.
260-1024-JEEP
2007-2015 Jeep Wrangler (JK)
- Two 5-LED lamps
- Two black custom bezels
- Fender cut-out templates
- All mounting hardware
- Black interior finish
- Weatherproof connectors
- Intensive illumination
- 4800K color temperature

260-1004-FJ2
2007-2014 Toyota FJ Cruiser
- Two 5-LED lamps
- Two custom bezels
- H11 and H8 halogens *
- All mounting hardware
- Chrome interior finish
- Weatherproof connectors
- 4800K color temperature

* Available without halogen lamps as part number 250-1024-FJ1

260-1024-CAMSE
2012-2014.5 Toyota Camry SE
- Two 5-LED lamps
- Two black custom bezels
- All mounting hardware
- Black interior finish
- Weatherproof connectors
- 4800K color temperature

260-1026-CAMLE
2012-2014.5 Toyota Camry LE
- Two 6-LED lamps
- Two black custom bezels
- All mounting hardware
- Chrome interior finish
- Weatherproof connectors
- 4800K color temperature

260-1020-CRUZ
2012-2014 Chevrolet Cruze
- Two 5-LED lamps
- Two black custom bezels
- All mounting hardware
- Black interior finish
- Weatherproof connectors
- 4800K color temperature

View our complete list of vehicle-specific DRL systems at rostra.com!
LED Daytime Running Light Systems (Universal)

Be seen! With an all-new, high-powered LED aftermarket automotive Daytime Running Light system by Rostra, you’re sure to get noticed! Every unit includes a color-matched set of LED lamps to ensure uniform color. Trim bezels and bracketry are also included to ensure secure fitment presenting an OEM finish to your vehicle. Each DRL assembly is powered by a waterproof ballast module that ensures clean, stable voltage to the LED lamp allowing each LED to reach their maximum lifetime potential.

**DRL Features**
- Available with 4 and 5-LED ultra-bright lamps
- Chrome interior finish enhances look of vehicle
- 1-Watt LED’s provide intensive illumination
- Pulse-Width Modulated ballast included
- Wire harness lengths cover all application

- Glass and aluminum superior build construction
- LED’s built for maximized lifespan
- Weatherproof ballast module for stable power
- Weatherproof plugs protect against corrosion
- Every kit includes all mounting hardware *

**260-1000-UNI**
- 5-LED lamp, chrome interior finish, 211mm x 33mm

**260-1002-UNI**
- 4-LED lamp, chrome interior finish, 140mm x 30mm

**260-1004-UNI-M**
- 5-LED lamp, chrome interior finish, 200mm x 20mm

**260-1006-UNI**
- 4-LED lamp, chrome interior finish, 228mm x 20mm

**260-1008-UNI**
- 5-LED lamp, chrome interior finish, 199mm x 20mm

**260-1012-UNI**
- 1-LED lamp, chrome interior finish, 70mm x 70mm

* Mounting hardware not included
### CCD and CMOS Color Cameras

<table>
<thead>
<tr>
<th>Camera Code</th>
<th>Mirror/monitor Code</th>
<th>Camera Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>250-8001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>250-8002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>250-8003</td>
<td></td>
<td></td>
</tr>
<tr>
<td>250-8004</td>
<td></td>
<td></td>
</tr>
<tr>
<td>250-8005</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Any camera listed in the left-hand column above will connect to any mirror/monitor listed along the top row above.

* Add "TP" to the end of the part number to also receive a universal temperature probe to use this kit on any vehicle.