Rostra Precision Controls, Inc.

2017 Product Guide

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From the cover... 250-8419-FDL15 2015+ Ford F150 OE Screen Interface System (for 4.2" screens)

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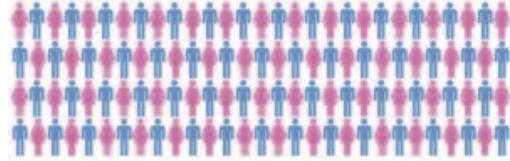
At our Laurinburg, NC headquarters, Rostra currently maintains a staff of over 100 employees between our manufacturing and business development teams.

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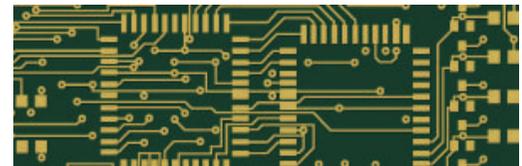
Rapid prototyping allows us to create new products per customer specifications at an incredibly fast pace with very little delay between product design and shipping.

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
- Dust Chamber
- Environmental Chamber
- Salt Spray Chamber
- Hydraulic and Air Tests
- Vibration Analysis
- Force Displacement
- 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.

SoftTouch OE

Add-On OE GPS Navigation Systems

At Rostra Precision Controls, we are pleased to announce the expansion of our SoftTouch™ Navigation Systems product line. Available for immediate purchase, we're excited to now offer an OE-grade solution to upgrading the factory infotainment system in your Ford or General Motors vehicle to include GPS and turn-by-turn directional mapping technology from HERE.

Originally available for vehicles with upper trim level packages only, these navigation control modules allow installers to easily upgrade popular Ford and GM cars, trucks, and SUVs with factory-installed 8" LCD screens and *MyFord Touch*, *MyLink*, *IntelliLink* and *CUE* systems. Installed in just minutes for most applications, our SoftTouch OE systems require no invasive deconstruction of the factory radio and LCD screen and connect to wiring already pre-installed on the vehicles listed below.

Part Number 250-7714D Vehicle Applications

Note: VIN confirmation is required for applications listed below with a picture of the vehicle's window sticker, inner driver-side door sticker, or VIN plate.

Ford	Ford	Lincoln
2013-2015 C-Max	2013-2015 Flex	2015 MKC
2011-2015 Edge	2012-2015 Focus	2013-2015 MKS
2013-2015 Escape	2013-2016 Fusion	2013-2016 MKT
2015 Expedition	2015 Mustang	2011-2015 MKX
2011-2016 Explorer	2013-2015 Taurus	2013-2016 MKZ
2013-2015 F-150	2015 Transit	2015 Navigator
2015-2016 F250/F350	2014-2016 Transit Connect	
2014-2015 Fiesta		

Part Number 250-7715D Vehicle Applications

Note: VIN confirmation is required for applications listed below with a picture of the vehicle's window sticker, inner driver-side door sticker, or VIN plate.

Ford	Ford	Lincoln
2016 C-Max	2016 Flex	2016-2017 MKC
2016 Edge	2016 Focus	2016 MKS
2016-2017 Escape	2017 Fusion	Late 2016* MKT
2016-2017 Expedition	2016-2017 Mustang	2016-2017 MKX
2016 F-150	2016 Taurus	Late 2016-2017* MKZ
2017 F-250/350	2016-2017 Transit	2016 Navigator
2016 Fiesta		

250-7716D

Buick
2014-2015 Lacross
2014-2015 Regal
Cadillac
2014-2015 ATS
2013-2015 CTS
2013-2015 SRX
2014-2015 XTS
Chevrolet
2014-2015 Colorado
2014-2015 Corvette
2014-2015 Impala
2014-2015 Silverado
2014-2015 Suburban
2014-2015 Tahoe
GMC
2015 Sierra 1500
2015 Sierra 2500
2015 Yukon

250-7717D

Buick
2013-2017 Enclave ***
2013-2016 Encore ***
2013-2017 Verano ***
Chevrolet
2011-2015 Camaro ***
2013-2016 Cruze ***
2013-2017** Equinox ***
2013-2015 Malibu ***
2013-2017 Traverse ***
2011-2015 Volt ***
GMC
2013-2016 Acadia ***
2013-2017 Terrain ***

*** This is a complete radio exchange (NOT an HMI module).

250-7718D

Buick
2017 Encore
2016-2017 Lacross
2016-2017 Regal
Cadillac
2016-2017 ATS
2016-2017 CTS
2017 CT6
2016 SRX
2016 XTS
2017 XT5
Chevrolet
2016-2017 Camaro
2016 Colorado
2016-2017 Corvette
2017 Cruze
2016-2017 Impala (Late 2016)
2016*-2017 Malibu
2016-2017 Silverado 1500-3500
2016-2017 Suburban
2016-2017 Tahoe
2016-2017 Volt
GMC
2017 Acadia
2016 Canyon
2016-2017 Sierra 1500
2016-2017 Sierra 2500
2016-2017 Yukon

New Product - Multi-Camera Video Interface Systems for OE LCD Screens

The most extensible camera interface and mobile phone screen sharing devices on the market for General Motors and Ford vehicles equipped with factory-installed 8" LCD screens are now available and only from Rostra! These all-new video interfaces allow for the installation of multiple cameras around the vehicle providing unparalleled safety through added driver awareness. Covering a wide variety of the most popular Ford and GM trucks and cars, camera options include rearview, sideview/blindspot, forward-facing, cargo/trailer and any other camera mounting location that you choose! As well, drivers can connect their mobile phone to the included HDMI input and instantly share their phone's screen to the dashboard of their vehicle.

GM NOTE: Requires vehicle be equipped with Radio / HMI module combination (RPO Code IO5 & IO6). Vehicles with one-piece radio systems are not applicable.
Ford NOTE: Requires vehicle be equipped with SYNC3 system.

Part Numbers and Vehicle Applications

Chevrolet (Part # 250-8450)		GMC (Part # 250-8451)	
2014-2016 Colorado	2014-2017 Silverado 1500	2017 Acadia	2017 Sierra Denali
2014-2016 Corvette	2014-2017 Silverado 2500	2014-2016 Canyon	2015-2017 Yukon
2017 Cruze	2014-2017 Silverado 3500	2014-2017 Sierra 1500	2015-2017 Yukon Denali
2014-2017 Impala	2014-2017 Suburban	2014-2017 Sierra 2500	2015-2017 Yukon Denali XL
2014-2017 Tahoe	2016 -2017 Volt	2014-2017 Sierra 3500	

Ford (Part # 250-8452)	Ford (Part # 250-8453)
Vehicles equipped with SYNC 3 system v. 2.1 or lower	Vehicles equipped with SYNC 3 system v. 2.2 or higher

Product Features

- Completely plug and play with the factory entertainment system. Module installation takes less than 30 minutes.
- Allows connection of four cameras to the factory screen in addition to the OEM backup camera.
- Allows monitoring of any connected camera at any time while driving (not including OEM backup camera).
- Right and Left Blind spot camera inputs automatically triggered by the turn signals.
- Included HDMI video input allows mobile phone screen mirroring to the in-dash monitor.
- Included USB port charges your mobile devices when connected.
- Easy to use menus in the factory UI with operational choices such as English, French, or Spanish language.

Product Photos

Pictured - Part Number 250-8450

Speed-Controlled Forward Camera

A front-facing camera can be triggered to power on automatically when the vehicle is in motion at less than 10 MPH or manually with a long press of the **BACK** button on the face of the radio.

Turn Signal-Activated Side-View Cameras

Side-view cameras integrated into the vehicle's mirrors can easily display video from the vehicle's blindspots when the left or right turn signals are active. Blindspot cameras can also be powered on manually via the touch screen's **Camera** icon.

Reverse-Triggered Bed-View Camera

Real-time monitoring of the bed or cargo area of the vehicle can be achieved using the selectable reverse camera option to display video while on the road or when the vehicle is placed in reverse - an ideal solution for fifth-wheel trailer connectivity.
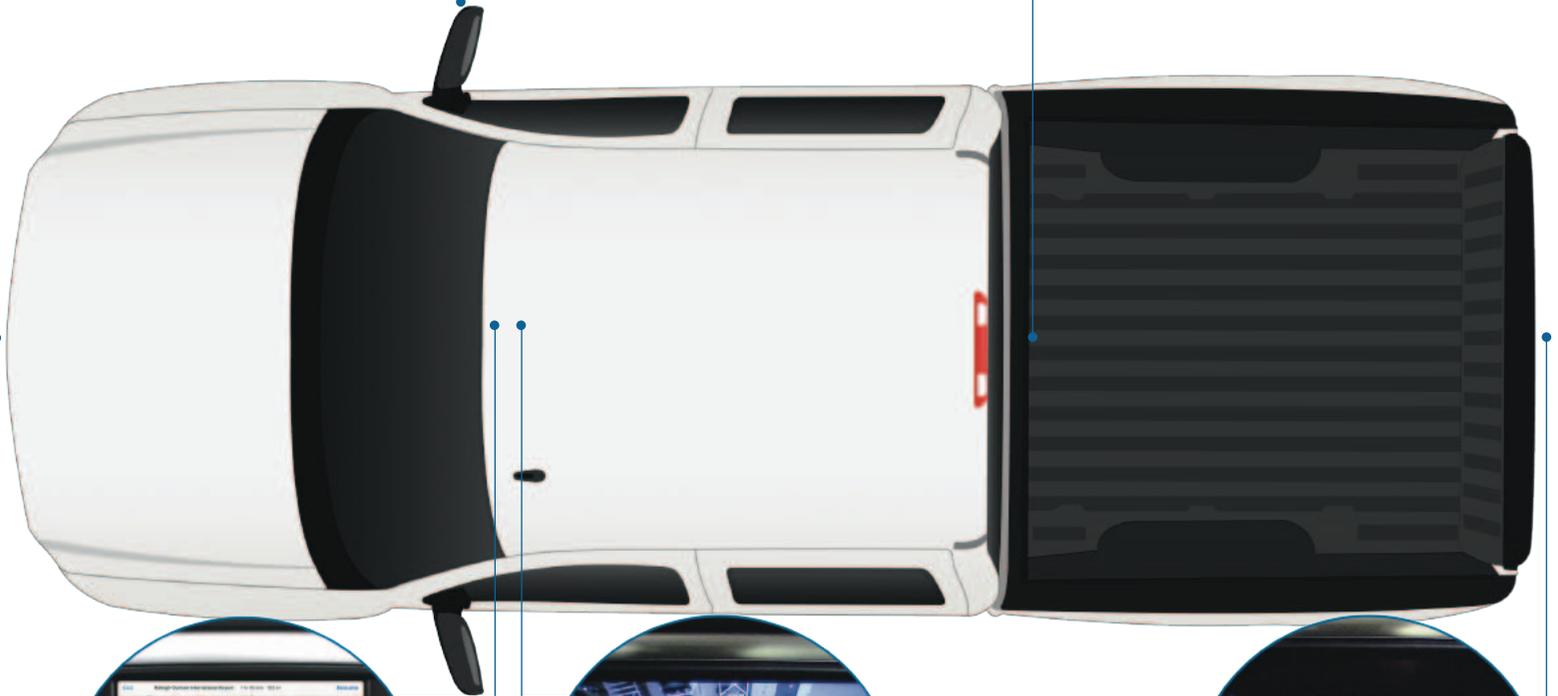
Mobile Device Screen Sharing

The included HDMI input allows mirroring of an Android™ or iOS™ device's screen directly to the dash of the vehicle while the USB port provides charging of the device when connected. Audio from the device streams via the vehicle's Bluetooth system providing an OE feel.

Factory Information Control Overlay

The Rostra GM and Ford video interfaces are a unique in that feedback for the factory infotainment system like radio volume and A/C controls are available on-screen even when video from a camera or mobile device is active further adding to the OE-style of integration.

Rear-View Camera Video Input

The device's rear camera input can be used to add an aftermarket backup camera to vehicles without an existing camera or to display video from a factory-installed camera. Drivers can easily alternate the function of shifting the vehicle into reverse to display a Bed/Cargo Area or rear-view camera in the factory-style *Settings* menu.

Android is a registered trademark of Google, Inc. | iOS is a registered trademark of Apple, Inc.

At Rostra Precision Controls, we are pleased to announce the availability of an innovative new product that will change the way you use an action camera in your vehicle. Available for immediate shipment, part number **250-8648** is an adapter that allows drivers to take advantage of the factory rearview mirror mounting point in most vehicles in order to mount their action camera. This adapter installs between the rearview mirror and windshield glass and provides a permanent, solid mounting location for action cameras sold by GoPro and other manufacturers. This mount is the ideal solution for filming when off-road, on a racetrack, or while driving on the highway.

Features

Attaches directly to the lug between rearview mirror and windshield.
Solid, vibration-free video when in use with perfectly centered action video.
Avoids unsightly rings on your windshield glass caused by suction cups

Action camera not included

Will This Mount Work With My Action Camera?

The **250-8648** mount allows for the attachment of action camera housings that incorporate a universal two-hole and thumb screw design. This base simply slides between the feet of the mount and affixes the camera in place using the thumb screw and cap nut provided with the action camera from the manufacturer.

Product Photos

1 Loosen the screw on the mirror.

2 Remove the factory rearview mirror.

3 Attach the *250-8648* mount.

4 Tighten mount to the windshield lug.

5 Align action camera with mount.

6 Use thumb screw to secure camera.

7 Replace the rearview mirror and tighten its attachment screw.

At Rostra, we are proud to introduce the following innovative video mirror/monitor systems to our RearSight® line of backup camera systems:

Part Number **250-8208** 4.3" LCD Mirror/Monitor (Two Video-In)

Manual Dimming Tab
Rotate the tab upwards to reduce headlight glare

Featuring the same functionality that our customers have come to expect from the previous version of this mirror, this update increases the usability of this item by adding the following:

- Manual-dimming for nighttime driving.
- Quick-Touch Front/AUX camera view with auto-off *.
- Includes standard lug mount and Hyundai/Kia adapter.

* Exclusive Rostra feature.

- Adjustable parking grid lines.
- Remote control for accessing built-in functionality.
- Dual RCA video inputs with individual triggers.
- 9-foot video cable provides easier connectivity.

Part Number **250-8273** 7.3" LCD Mirror/Monitor (Three Video-In)

- 7.3" wide screen monitor (1280 x 390 resolution)
- Anti-glare coated glass reduces light reflection
- Built-in touch screen controls for accessing cameras
- Right and Left blindspot camera inputs
- Full or split view screen options available
- Camera inputs automatically or manually triggered
- Remote control for configuring parking grid lines
- Includes full-color Install and Owner's Manuals

- LCD brightness adjusts to external environment
- Mirror stem includes universal lug base
- Hyundai/Kia windshield lug adapters included
- 9' harness for easy connections below dashboard
- TFT-LCD screen with 1000cd/m^2 brightness
- 10-16VDC operating voltage
- -20°C - +65°C working temperature
- PAL/NTSC Compatible with Video Auto-Select

Part Number **250-8243** 4.3" LCD Mirror/Monitor (Four Video-In)

Features manual dimming tab and triggers to process up to four video sources (reverse, front, left and right blindspot cameras, for example) on its 4.3" LCD display.

Manual Dimming Tab
Rotate the tab upwards to reduce headlight glare

- 4.3" TFT LCD display with auto-dimming LCD panel
- 16:9 Aspect Ratio
- 480 x 272 Resolution
- 1000 Cd/m^2 LCD Brightness (with user adjustable dimming)
- NTSC/PAL/AUTO Video compatibility
- 12V DC Power supply / 3.6W (working)
- 9-foot Video cable for easier connectivity

- Four RCA video inputs with individual triggers built-in for each source including Left and Right blindspot cameras
- Quick-Touch Front/AUX camera view with auto-off after 20 seconds *
- Manual mirror dimming for nighttime driving
- Adjustable parking grid lines via supplied remote control

* Exclusive Rostra feature

Part Number **250-8240** 4.3" LCD Mirror/Monitor (Two Video-In)

- 4.3" TFT LCD display with auto-dimming LCD panel
- 16:9 Aspect Ratio
- 480 x 272 Resolution
- 1000 Cd/m^2 LCD Brightness (with user adjustable dimming)
- NTSC/PAL/AUTO Video compatibility

- Dual RCA Video Inputs with individual triggers
- Quick-Touch ON/OFF Front/AUX camera control
- Tinted anti-glare glass
- 12V DC Power supply / 3.6W (working)
- 9-foot Video cable for easier connectivity

Quick-Touch Power Button (available with mirrors 250-8208, 250-8240, and 250-8243

The face of the 250-8208 RearSight® mirrors include a power button that controls different functions when the mirror is powered on depending on how it is pressed by the driver.

A

B

When in reverse, a quick press of the power button will manually increase the overall brightness of the built-in LCD screen. Once maximum brightness has been reached, the brightness will reset.

When the vehicle is not in reverse, the power button can be held for two seconds to display video from an auxiliary camera such as a forward-facing or blindspot unit.

Turn Signal Activated Side-View/Blindspot Video Display (available with mirrors 250-8273 and 250-8243)
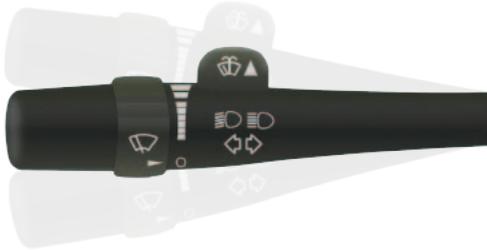
While the rear-facing video input of the 250-8273 mirror/monitor provides drivers with peace-of-mind when maneuvering their vehicle in reverse, the mirror includes options for both *Left* and *Right* video displays which can be triggered automatically by the vehicle's turn signal switch or activated manually as-needed by the driver using the on-screen **CH** button. With Rostra's 250-8273, no external relays are required to activate these inputs.

Auto-Dimming LCD Screen (available with mirrors 250-8208, 250-8240, 250-8243, and 250-8273)

The mirror's built-in photo sensor automatically dims the LCD screen in low light conditions to ease strain on the driver's eyes while increasing illumination of the LCD during the day to make the screen easier to see in daylight.

Night

Day

Built-in photo sensor detects light and adjusts LCD for maximum viewing comfort

Part Number **250-8820** 4.3" LCD Mirror/Monitor (Two Video-In)

Auto-dimming mirror glass

Part Number **250-8821** 4.3" LCD Mirror/Monitor (Two Video-In, Comp/Temp)

Auto-dimming mirror glass

Kit Contents

Pictured: 250-8821

Features

OnStar™ access through built-in buttons
4.3" TFT auto-dimming LCD display
16:9 aspect ratio
480 x 272 resolution
1000 Cd/m² LCD Brightness
Auto-dimming mirror glass
NTSC/PAL/AUTO Video compatibility
Dual RCA video inputs
9-foot cable for easier installation
Adjust parking grid lines with remote
Includes 16-to-10 pin adapter harness
Includes temperature sensor *
Includes custom stem shrouds

* Applies to 250-8821 only.

Part Number - 250-8208-TL 4.3" Tri-Lobe LCD Mirror/Monitor

For use on Chrysler/Ford vehicles with twist-off tri-lobe windshield/rearview mirror mount. Same features as 250-8208.

Tri-Lobe Base Mount

Part Number - 250-8804 3.5" Auto-Dim LCD Mirror/Monitor (1 Video-In)

3.5-inch TFT LCD display.
16:9 aspect ratio
Auto-dimming mirror glass.

High resolution display.
OEM approved.
Slimline design for car/SUV.

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.

250-8709 Infinity Electrochromic
Edge-to-edge glass. Auto-dimming. Compass.
Built-in HomeLink® controls.

HomeLink® is a registered trademark of Gentex Corporation

250-8147-HD

Camera Specifications

1/4-inch CMOS camera	Selectable parking grid lines
160-degree view	Waterproof case/anti-fog lens.
.5 Lux light sensitivity	Includes all mounting hardware
4-pin weatherproof plug	**250-8147-HD-10M** (33' harness)
Lip or tailgate mountable	**250-8147-HD-20M** (66' harness)

250-8117A

Camera Specifications

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

250-8082-HD

Camera Specifications

1/4-inch CMOS camera	Selectable parking grid lines
160-degree view	Waterproof case/anti-fog lens
.5 Lux light sensitivity	**250-8082-HD-10M** (33' harness)
4-pin weatherproof plug	**250-8082-HD-20M** (66' harness)
Includes tab/hinge mounts	

250-8105A

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

250-8083-HD

Camera Specifications

1/4-inch CMOS camera.	Selectable parking grid lines
160-degree view	Waterproof case/anti-fog lens
.5 Lux light sensitivity	**250-8083-HD-10M** (33' harness)
Requires 20mm holesaw	**250-8083-HD-20M** (66' harness)
Flush-mounts to flat surface	

250-8143

Camera Specifications

1/3-inch CMOS color camera	Includes RCA adapters
0 Lux light sensitivity	Mounting hardware included
24-LED infrared ring	**250-8143-10M** (33' harness)
Versatile mounting options	**250-8143-20M** (66' harness)

RearSight® Multi-Mount Backup Camera with Integrated Microphone

Part Number 250-8199

The **250-8199** replaces the popular 250-8092 license plate bracket camera and is adaptable to an even larger variety of vehicles thanks to included hinge and tab style mounting brackets. The new camera boasts superior image quality and the addition of an integral microphone for use with speaker-equipped monitors. Ten selectable parking grid line options enable owners to configure this versatile camera for a wide range of passenger car, light truck and commercial vehicles.

Product Specifications

1/3" CMOS Camera	Selectable Parking Gridlines	16.4' (5m) Video Cable with RCA
480 Lines Horizontal Resolution	Built-in Microphone	Plugs IP 68 Ingress Protection
160° Wide Angle View	License Plate, Hinge and Tab Mounts	-30° to 85° C Operating Range
Normal / Reverse Image	Adjustable Vertical Camera Angle	6V to 16V Operating Voltage
0.1 Lux Minimum Illumination	Anti-theft Camera Mounting Hardware	**Available with HD 4-pin connector**

On-Screen Parking Grid Line Options

Complete Installation Components

At Rostra Precision Controls, we are pleased to announce the availability of our all-new <u>dual-camera</u> blindspot vision system, part number **250-8160-BSC**. The low-profile CMOS color cameras included with this system blend neatly into the underside of the vehicle's sideview mirrors and provide drivers with an unparalleled view of the obstructed areas typical to the reduced line-of-sight most modern vehicles.

Specifications

Two 1/4" CMOS color cameras	Front view option	6V-16V operating voltage
756 x 504 (600 TVL) resolution	Selectable grid lines	-20°C to 70°C operating temp
150-degree viewing angle	.2 Lux minimum illumination	IP67 weatherproof

Product Photos

23' video extension harnesses

3M VHB tape

6.5' pigtail

Rotating lens for vertical or horizontal mounting ↻

Rostra's newly-updated line of tailgate handle integrated color cameras provides a unique way of adding a backup camera system to many of the most popular light-duty trucks on the road today. Every RearSight® tailgate handle camera is custom molded to be a direct replacement to the factory handle and comes equipped with an advanced *CMOS III* camera/sensor that includes selectable parking grid lines that have been accurately measured to match the grid lines available from the OE component. Likewise, each RearSight® tailgate handle camera includes a 30-foot vehicle extension harness, 4-pin thread-together/weatherproof connector, convoluted tubing protective wire loom, and RCA video output connector to supply video to any RCA-equipped video monitor.

As always, every tailgate handle camera offered by Rostra includes our industry-leading 3-year/36,000 mile warranty.

RearSight® Tailgate Handle Camera Specifications (applies to all)

Image Sensor	Viewing Angle	3-Element Lens Construction
Advanced CMOS III	Diagonal 168°/Horizontal 130°/Vertical 100°	IR Filter with Scratch Protection Coating
Resolution	**Parking Grid Lines**	Anti-Fog Coating
640 x 480	Matching OEM Design, Selectable On/Off	IR Protective Coating
Waterproofing	**Video System**	**Working Temperature / Storage Temperature**
IP 67 Rated	NTSC, Full Color Output	-20°C - +70°C / -40°C - +85°C
Operating Voltage	**Minimum Illumination**	
6V-32V	0.1 LUX	

250-8651
2007-2013 * Chevrolet Silverado and GMC Sierra
* Also fits 2014 **HD** model Silverado and Sierra

250-8655
2014+ Chevrolet Silverado & GMC Sierra

250-8645 2015+ Ford F150

Available with screen interface module for Ford 4.2" display. Part number **250-8419-FDL15** includes module and latch camera.

REARSIGHT
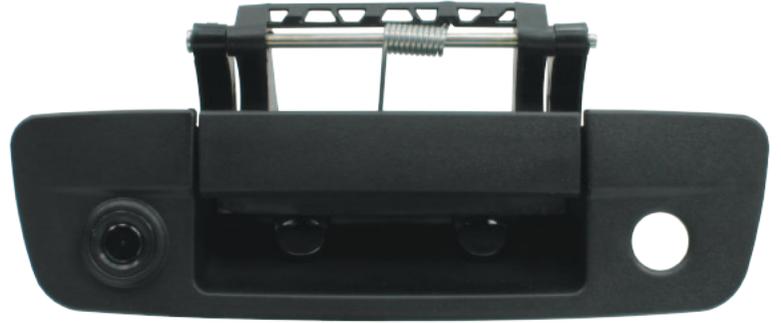
250-8650
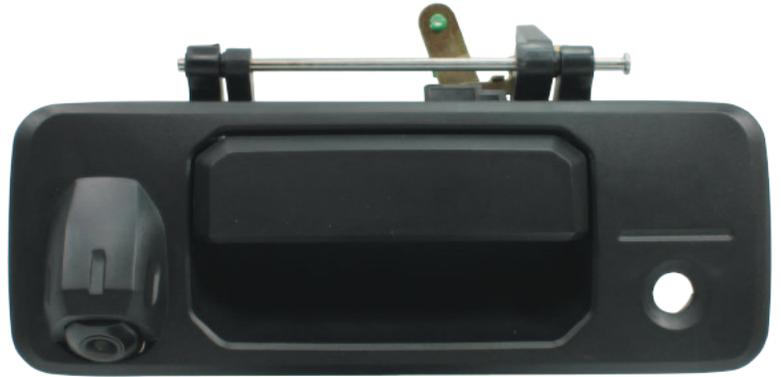**2004-2014 Ford F-Series**
** Not for use with Heritage model trucks.

250-8652
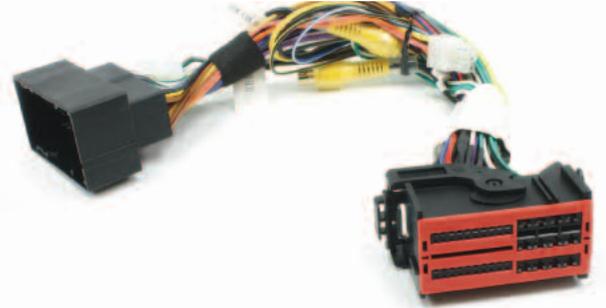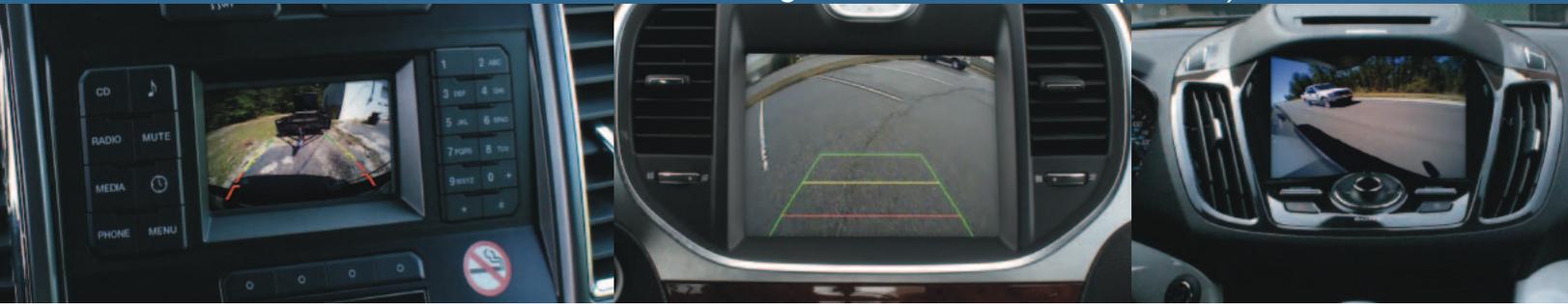**2010-2017 Dodge Ram Trucks**

250-8653
2005-2015 Toyota Tacoma

250-8657
2007-2013 Toyota Tundra

Pictured: 250-8645 Ford F150

Chrysler
250-8418-MOD
All applications require 5" or 8.4" display

2015-2017 Chrysler 300	2015-2017 Dodge Charger	2014-2017 Jeep Grand Cherokee
2014-2017 Dodge Durango	2015-2017 Dodge Challenger	2013-2017 RAM Trucks

Ford/Lincoln 4" Screen
250-8419-MOD

All applications require 4" display

2013-2017 Ford C-Max	2013-2017 Ford Flex	2013-2017 F150	2013-2017 Ford Taurus
2011-2017 Ford Edge	2012-2017 Ford Focus	2017 Ford F250	2014-2017 Ford Transit
2013-2017 Ford Escape	2013-2017 Ford Fusion	2017 Ford F350	2014-2017 Ford Transit Connect
2015-2017 Ford Expedition	2015-2017 Ford Mustang	2017 Ford F450	
2011-2017 Ford Explorer		2017 Ford F550	

Ford/Lincoln 8" Screen
250-8420-MOD

Note: 250-8420 video interface only for use on vehicles with factory-installed rear camera and allows for single auxiliary camera input.
Applications require 8" display & factory camera

2013-2017 Ford C-Max	2014-2017 Ford Fiesta	2014-2017 Ford Transit
2011-2017 Ford Edge	2013-2017 Ford Flex	2014-2017 Ford Transit Connect
2013-2017 Ford Escape	2012-2017 Ford Focus	2011-2017 Lincoln MKX
2015-2017 Ford Expedition	2013-2017 Ford Fusion	2013-2017 Lincoln MKS
2011-2017 Ford Explorer	2015-2017 Ford Mustang	2013-2017 Lincoln MKT
2013-2017 Ford F150-F550	2013-2017 Ford Taurus	2013-2017 Lincoln MKZ

250-8423-LC (2014+ Silverado/Sierra with MyLink/IntelliLink)

Tailgate-handle-integrate CMOS camera and interface

250-8423-W (multiple GM MyLink/IntelliLink/CUE)

Video interface module for use with RearSight cameras

250-8407-W (most 2014+ Chrysler/Jeep/Dodge)

Wedge camera system for 5" and 8.4" Radios.

250-8408-W (most 2011-2016 Chrysler/Jeep/Dodge)

Wedge camera system for MyGig Radios.

250-8407-PRO 2014+ Ram ProMaster Uconnect 5.0 screen interface camera system.

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 us online at **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

250-8602

Front View   Rear View
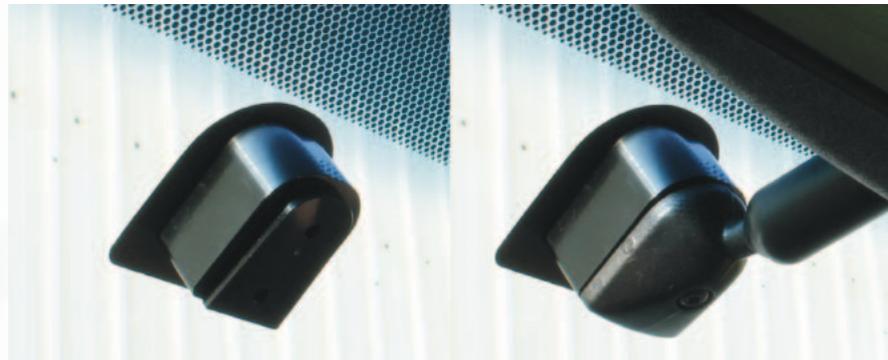
Mirror spacer **250-8602** is the ideal solution for adding clearance between the top of the mirror and the console or roof of the vehicle. Installation time generally takes less than 1 minute.

At Rostra Precision Controls, we are pleased to announce an upgrade to our **250-8532** 4-channel video multiplexer. Available for immediate purchase, this device has been updated with a more robust user interface providing innovative new ways of displaying multiple on-screen images from up to four camera placed around a vehicle.

Product Features

Displays up to 4 cameras on screen.
Triggered video input overrides.
Rugged exterior housing.
Thread-together connections.
Includes mounting screws.
Four audio/video inputs.
Single audio/video output.
Provides power for attached cameras.
Includes IR remote for manual switching.
Ideal for use with Rostra HD cameras.

5" and 7" LCD monitors available separately.

Front
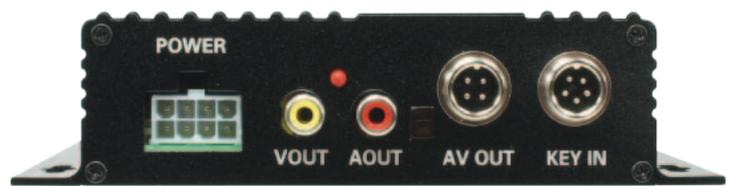
Back

At Rostra Precision Controls, we are pleased to announce an exciting update to our *Sight AddVantage* line of lower cost, high-quality backup camera systems. Available for immediate shipment, the built-in features of the four rear-view cameras below are sure to impress your customers.

Part Number
300-LPB
Universal license plate mountable camera.
Includes hinge mount for liftgate or trunk lid mounting.

Selectable Grid Lines

Features

Image Sensor: 1/4" Color CMOS
Viewing Angle: 160-degree Wide Angle
Resolution: 648(H)×488(V) 420 Lines
Video Output Format: PAL/NTSC
Minimum Illumination: 0.2 Lux

Lens SPEC: IP69 Waterproof
Image Gain Control: Auto
White Balance: Auto
Working Voltage: DC 6V-16V
Working Temperature: -20°+70°

Included Components

License Plate Mountable Camera
Hinge Mount for Trunk or Liftgate
30-foot RCA Cable with Built-In Power
All Mounting Hardware

300-LPB Installed

Part Number
300-BAR Universal license plate mountable camera.

Selectable Grid Lines

Reversible Image

Features

Image Sensor: 1/3" Color CMOS
Viewing Angle: 160-degree Wide Angle
Resolution: 648(H)×488(V) 420 Lines
Video Output Format: PAL/NTSC
Minimum Illumination: 0.2 Lux

Lens SPEC: IP69 Waterproof
Image Gain Control: Auto
White Balance: Auto
Working Voltage: DC 6V-16V
Working Temperature: -20°+70°

Included Components

License Plate Mountable Camera
Swivel Camera Up or Down to Adjust View
30-foot RCA Cable with Built-In Power
All Mounting Hardware Included

Part Number
300-LIP Universal lip-mount camera.

Selectable Grid Lines   Reversible Image

Features

Image Sensor: 1/3" Color CMOS
Viewing Angle: 160-degree Wide Angle
Resolution: 648(H)×488(V) 420 Lines
Video Output Format: PAL/NTSC
Minimum Illumination: 0.2 Lux

Lens SPEC: IP69 Waterproof
Image Gain Control: Auto
White Balance: Auto
Working Voltage: DC 6V-16V
Working Temperature: -20°+70°

Included Components

Base Mounts to SUV/Van Liftgate
30-foot RCA Cable with Built-In Power
All Mounting Hardware Included

Part Number
300-FLSHMNT
Universal flush-mount camera.

Parking Grid Lines

Features

Image Sensor: 1/4" Color CMOS
Viewing Angle: 160-degree Wide Angle
Resolution: 648(H)×488(V) 420 Lines
Video Output Format: PAL/NTSC
Minimum Illumination: 0.3 Lux

Lens SPEC: 1.12mm, Waterproof (IP69)
Image Gain Control: Auto
White Balance: Auto
Working Voltage: DC 12V-24V
Working Temperature: -20°C - +70°C

Included Components

Flush-Mount Camera
Custom Hole Saw
20-foot RCA Cable
Male DC Power Harness

Part Number
300-CUBE
Universal LED hinge-mount camera.

Parking Grid Lines

Features

Image Sensor: 1/4" Color CMOS
Viewing Angle: 120-degree Wide Angle
Resolution: 648(H)×488(V) 420 Lines
Video Output Format: PAL/NTSC
Minimum Illumination: 0 Lux

Lens SPEC: 1.12mm, Waterproof (IP68)
Image Gain Control: Auto
White Balance: Auto
Working Voltage: DC 12V-24V
Working Temperature: -20°C - +70°C

Included Components

Hinge-Mount Camera
LED Array for Illumination
20-foot RCA Cable
Male DC Power Harness
Mounting Hardware

Part Number
300-EYEBALL
Universal flat-mount camera.

Parking Grid Lines

Features

Image Sensor: 1/4" Color CMOS
Viewing Angle: 160-degree Wide Angle
Resolution: 648(H)×488(V) 420 Lines
Video Output Format: PAL/NTSC
Minimum Illumination: 0.3 Lux

Lens SPEC: 1.12mm, Waterproof (IP69)
Image Gain Control: Auto
White Balance: Auto
Working Voltage: DC 12V-24V
Working Temperature: -20°+70°

Included Components

Multi-Axis Flat-Mount Camera
Custom Hole Saw
20-foot RCA Cable
Male DC Power Harness

Sample video of each of these cameras available at **youtube.com/rostra**

The Rostra Difference

At Rostra Precision Controls, precision manufacturing is at the heart of all that we do. As a company with an intense focus on quality control, we openly submit our manufacturing processes to annual inspections and are proud to carry both **ISO 9001:2008** and **TS 16949:2009** certifications. As well, Rostra employees receive training in Six Sigma process improvement strategies. Our customers know that when they buy a Rostra products, they are getting quality components every time.

Our product validation facilities allow us to simulate extreme real-world conditions including tests for hot and cold temperatures, along with ingress protection (IP) and vibration. Rostra parts go through 400+ of hours of testing in our lab environment.

Our ability to scale production lines and add new products is due to our facility's size. Our Laurinburg, NC manufacturing plant measures over 80,000 square-feet and employs over 100 team members between our *12-Volt Accessories* and *Powertrain* divisions.

Maintaining on-site technical support means you get answers to complicated questions quickly and from technicians that were heavily involved in the development the products you install. Support Technicians are available M-F 8:00AM - 5:00PM at 1-800-732-4744.

EcoDrive Acceleration Control
by Rostra

Heavy acceleration and hard braking have been known to reduce fuel mileage by up to 33% on the highway[1]. Classically a fleet owner's only way of mitigating the aggressive driving habits of their employees has been after-the-fact when money has already been spent on wasted fuel.

Now, with Rostra's *EcoDrive Acceleration Control System*, a driver's ability to heavily accelerate a vehicle is governed by an advanced algorithm specific to a vehicle's engine and transmission type. This software-based solution to aggressive driving habits balances input from the gas pedal with on-road demands to provide a stable ramp up in speed while decreasing wear and tear on vehicle components.

EcoDrive Product Benefits

- Vehicle-specific software applications
- Custom harnesses for plug-n-play install
- Reduces per-vehicle fuel consumption *

- Provides peace of mind to fleet owners
- Control aggressive driving in real-time
- Available for the most popular fleet cars

Ideal Uses for EcoDrive Systems

- In the vehicle of first-time drivers
- In vehicles owned by rental companies
- On large, inefficient fleet trucks

- In vehicles with multiple drivers
- In areas with heavy stop-and-go traffic
- When a telematics package is too expensive

How to Purchase

EcoDrive Acceleration Control Systems are programmed per vehicle. To order these fuel-saving devices, contact us with the vehicle's year, make, model and quantity of EcoDrive systems needed.

EcoDrive Acceleration Control Systems Module

* Cannot be guaranteed by vehicle and is dependant upon the operating environment and mechanical condition of the vehicle itself.
[1] Many Factors Affect Fuel Economy. https://www.fueleconomy.gov/feg/factors.shtml

by Rostra

Idle Control Management

The advent of all-electronic throttle control systems presents many options for increasing the usability of a vehicle by adding devices such as Rostra's drive-by-wire cruise control systems and our latest EcoDrive Acceleration Control technology.

At Rostra Precision Controls, we are pleased to now offer a fully-electronic solution for controlling engine idle speed when a vehicle operator needs to provide consistent, stable RPMs for devices like power take-off units. Introducing *Idle Control Management* (ICM).

Idle Control Management

Every ICM system includes a custom control module with vehicle-specific firmware designed to communicate RPM requirements to the onboard computer.

To activate the ICM unit, the driver simply parks the vehicle (the gear shift selector must be in the *Parked* position) and switches the included control switch to the *On* position. Once activated, engine RPM will hold steadily.

With *Idle Control Management* by Rostra, we take the guesswork out of installing a mechanical throttle-locking device by having our advanced control module talk directly to the vehicle's onboard computer to establish and hold a predetermined engine RPM level. The included two-position control switch allows for easy On/Off activation of the ICM system.

ICM Product Benefits

- Vehicle-specific software applications
- Custom harnesses for plug-n-play install
- One button, easy-to-use configuration
- Accurately controls engine idle speed
- No mechanical modification of throttle
- Built-in safeties to disengage system

How to Purchase

ICM system are programmed per vehicle. To order these time-saving devices, contact us with the vehicle's year, make, model and quantity of *Idle Control Management* systems needed.

250-8211 and 250-8213

Includes pedestal mount   Includes stem mount

Monitor Specifications

5-inch LCD monitor	Dual video inputs
480 x 272 resolution	Auto day/night dimming
Matte finish reduces glare	Adjustable brightness/contrast

250-8212 and 250-8214

Includes pedestal mount   Includes stem mount

Monitor Specifications

7-inch LCD monitor	Auto day/night dimming
800 x 480 resolution	Adjustable brightness/contrast
Matte finish reduces glare	Built-in speakers for audio
Three video inputs	

250-8220

Includes pedestal mount

Monitor Specifications

7-inch LCD monitor	Adjustable brightness/contrast
800 x 480 resolution	Built-in speakers for audio
Matte finish reduces glare	Sunshade for daytime viewing
Dual video inputs	5" stem 250-8088 available

250-8149-10M and 250-8149-20M
Camera Specifications

1/4" CCD image sensor	10 or 20 meter harnesses
420 TV Lines resolution	.1 Lux daytime illumination
130-degree wide view	0 Lux night vision illumination
Threaded connectors	Built-in microphone for audio

250-8150-10M and 250-8150-20M
Camera Specifications

1/4" CCD image sensor	10 or 20 meter harnesses
420 TV Lines resolution	.1 Lux daytime illumination
130-degree wide view	0 Lux night vision illumination
Threaded connectors	Built-in microphone for audio

250-8215-IR
250-8215 Wireless Monitor with 250-8153 Wireless Camera

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.

View full specifications by visiting us online at **rostra.com**.

250-8162
2007-2016 Dodge/Mercedes Sprinter

250-8145
2004-2016 Chevrolet/GMC Express/Savana

250-8146
2012-2016 Nissan NV (all trim levels)

250-8148-10M and 250-8148-20M
Universal mount 33' and 66' harness kits

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

250-8639 Windshield lug adapter for 2015+ ProMaster City utility vans

Rear View
(ProMaster City lug)

Front View
(classic D-shaped lug)

Adapts any RearSight® mirror or monitor to proprietary windshield lug.

250-8309-CITY 250-8208 mirror/monitor, 250-8083HD, 33' harness for 2015+ ProMaster City

Flush-mount CMOS color camera installed into ProMaster City factory camera mounting location

250-8155
2013+ Nissan NV200 and Chevrolet City Express
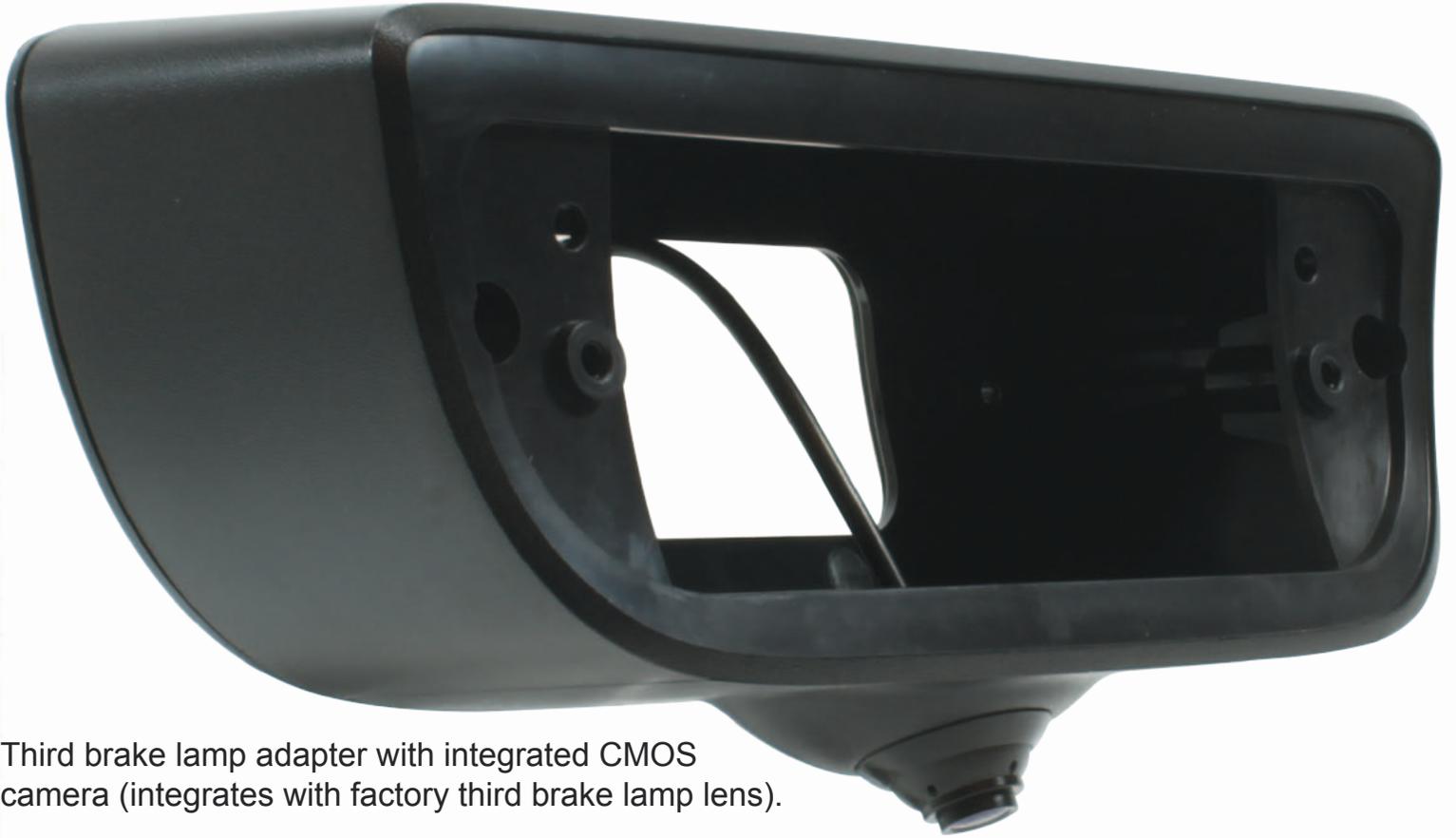
Third brake lamp adapter with integrated CMOS camera (integrates with factory third brake lamp lens).

250-8212-NV200 250-8155 Nissan NV200/Chevrolet City Express camera with 250-8212 7" LCD screen.

CMD-III (CMOS) camera	16:9 widescreen image	U:40/D:60 L/R:60 viewing angles
7-inch LCD screen	170-degree wide angle view	Dashboard multi-mount included
Three video inputs	RCA adapter plug included	One-button video source switching
	16' extension harness	

250-8154
2014-2016 Ford Transit Full-Size

Third brake lamp adapter with integrated CMOS camera (replaces factory third brake lamp lens).

250-8154 third brake lamps camera installed into Ford Transit Full-Size

250-8212-TTFS 250-8154 Ford Transit Full-Size camera with 250-8212 7" dashboard mount LCD screen.

Mercedes-Benz OE LCD Screen Camera Interface (Bring Your Own Camera)
Adapts any RCA-equipped camera to factory-installed 5.8" LCD screen

250-8424SPT
2014+ Mercedes-Benz Sprinter

250-8425MET
2016+ Mercedes-Benz Metris

Rostra is pleased to announce the expansion of our DVR video capture product category to include the following equipment that enables the recording of on-road audio, video and location data* through hardware available for a host of vehicles including cars, trucks, SUVs and buses.

* Requires **-GPS** suffix listed below

250-8930 or **250-8930-GPS** (includes GPS antenna)

4-channel DVR system. Includes three hinge-mount and one dome-shaped infrared LED-equipped cameras with weatherproof 4-pin harnesses and built-in microphone for audio recording.

250-8931 or **250-8931-GPS** (includes GPS antenna)

4-channel DVR system. Includes two hinge-mount and two dome-shaped infrared LED-equipped cameras with weatherproof 4-pin harnesses and built-in microphone for audio recording.

250-8932 or **250-8932-GPS** (includes GPS antenna)

4-channel DVR system. Includes one hinge-mount and three dome-shaped infrared LED-equipped cameras with weatherproof 4-pin harnesses and built-in microphone for audio recording.

250-8933 or **250-8933-GPS** (includes GPS antenna)

4-channel DVR system. Includes four dome-shaped infrared LED-equipped cameras with weatherproof 4-pin harnesses and built-in microphone for audio recording.

250-8934 or **250-8934-GPS** (includes GPS antenna)

4-channel DVR system. Includes four hinge-mount infrared LED-equipped cameras with weatherproof 4-pin harnesses and built-in microphone for audio recording.

250-8901

4-channel DVR system. Includes IR remote control and harnesses for video-out, 4-channel video-in, power/ground input, and GPS input (GPS antenna available separately).

Park-Pro HD

Heavy-duty, digital ultrasonic parking assistance system

Rostra's Park-ProHD commercial grade ultrasonic parking systems offer a choice of 3 different harness lengths, under the bumper mounting options and amplified analog sensors with a digital electronic control module for fleet and heavy duty applications.

Product Features

Ultrasonic technology with Triangulation Detection Software.
Automatic bypass of the tow hitch or rear mounted spare tire.
Alerts drivers to objects as far away as 6 feet behind the vehicle.
Assists drivers in making safer parking decisions.
Helps prevent costly vehicle body repairs.
Three main warning zones.
Under bumper mounting brackets.

Consistent performance on targets of all densities.
Audible alarm with Hi/Lo function.
3 Year/36,000 Mile Warranty
Optional harnesses with waterproof connections
Fits virtually all fleet applications up to 25 feet.
Dual drill tools for both plastic & metal bumpers.

Included Items

Four paintable black sensors.
Waterproof sensor connectors.
Quick disconnect sensors for ease of installation.
Dual degree (6 & 12) angled bezels for adjustable sensitivity.
Four rubber sleeves included for metal bumper applications.
Amplified analog sensors with digital ECU for heavy duty applications.
Features built-in diagnostics in the event of damage or malfunction.

Part Numbers

250-5110: Includes 25-foot harness.
250-5109: Includes 10.3-foot harness.
250-5108: Includes 19.7-foot harness.

Fleet Vehicle Object Detection

RearSentry is an economical accessory for industrial and commercial vehicles that uses sophisticated microwave technology to alert drivers of objects up to 12 feet behind the vehicle. A RearSentry system eliminates hazardous blind spots and allows for safer and easier vehicle reversing. Use RearSentry on: Utility Vehicles, Box Vans, Commercial Vehicles, Delivery Trucks, and other industrial and commercial vehicles Class 2-8.

A small investment in a RearSentry can prevent costly damage from common accidents. Thousands of potential repair and legal bills can be avoided, and the ease of using RearSentry will allow drivers to save money in another way - by reducing vehicle downtime and enabling them to return to the road quicker to continue their days' work.

When the vehicle is moving in reverse and an obstruction is detected in the sensor's coverage area, the sensor determines the distance to the obstacle. This information is then instantaneously converted into a tricolor display and an audible alert. The RearSentry™ is not affected by adverse weather conditions such as extreme heat or cold, rain, sleet, snow, hail, mist or fog.

Safe Zone | Alert Zone | Hazard Zone | Danger Zone

12 feet (3.7 meters)

Distance
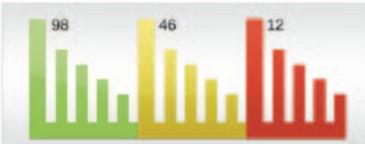
The RearSentry vehicle reversing system is designed to alert drivers to objects at the rear of the vehicle as far away as twelve feet away. This includes objects beyond the vehicle's corners.

Reduce Costly Repairs

With the ability to detect unseen objects, a RearSentry reversing system helps to save on costly cosmetic repairs and could reduce insurance and legal claims.

Reduce Maintenance

With their ability to "see through" mud, snow or glaring sun, the RearSentry sensors make sure you have more time to pay attention to what is most important.

Automatic Reset

Once you have safely maneuvered your vehicle around any detected obstacles, the RearSentry will automatically reset itself to begin looking for other objects that might be in your way.

Analog Controller - Manual Reset
250-2522-1 Base Kit with Light Duty Fit Kit
250-2524-1 Base Kit with Box Bumper Fit Kit <30'
250-2525-1 Base Kit with Lift Style Fit Kit <30'
250-2533-1 Base Kit with Lift Style Fit Kit <40'
250-2557 Class 7 or 8 Trailer Kit
250-2558 Class 7 or 8 Complete Tractor-Trailer Kit

Ramp Style Digital Controller - Automatic Reset
250-2524 Heavy Duty Ramp, Box Bumper Fit Kit <30'
250-2524-1 Base Kit with Box bumper Fit Kit <30'
250-2526 Heavy Duty Ramp Style Fit Kit <40'
250-25261-1 Base Kit with Ramp Style Fit Kit <40'

Lift Style Digital Controller - Automatic Reset
250-2525 Heavy Duty Lift Style Fit Kit <30'
250-2525-1 Base Kit with Lift Style Fit Kit <30'
250-2533 Heavy Duty Lift Style Fit Kit <40'

Digital Controller - Automatic Reset
250-1728 Base Kit (Standard)
250-2522 Light Duty Fit Kit
250-2522-1 Base Kit with Light Duty Fit Kit

BACKZONE Plus By Rostra

Rear-Mount Parking Assist

The BackZone Plus is an industry-leading automotive reverse parking assist system developed by Rostra Precision Controls and designed to give every driver peace-of-mind while maneuvering their vehicle in situations where space is narrow. The BackZone Plus provides 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. When the vehicle is shifted into reverse, the system will automatically engage and output a single "beep" alerting the driver it has been activated. The system will further alert the driver to the presence of obstacles within each of its detection zones. From a pulsing beep to a steady tone, the BackZone Plus system works to keep drivers aware of their surroundings. The system goes silent again only when an obstacle is no longer in range of contacting the vehicle.

250-1903-BZP (2015 Hyundai Elantra Installation)

Now featuring OBD cap for Vehicle Speed Signal and On/Off control switch

FRONTZONE
By Rostra

250-1920-FZ

The FrontZone is a revolutionary automotive forward-facing parking assistance system developed by Rostra Precision Controls and designed to give every driver peace-of-mind while parking their vehicle in cramped quarters. The FrontZone unit 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 and engages automatically when the vehicle is travelling at low speeds.

FrontZone Detection Zones

Safety Zone   Caution Zone   Danger Zone

60 Inches
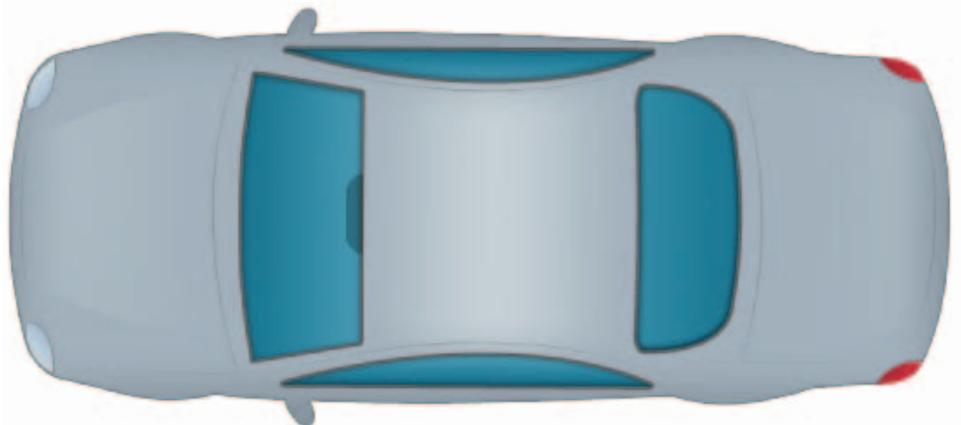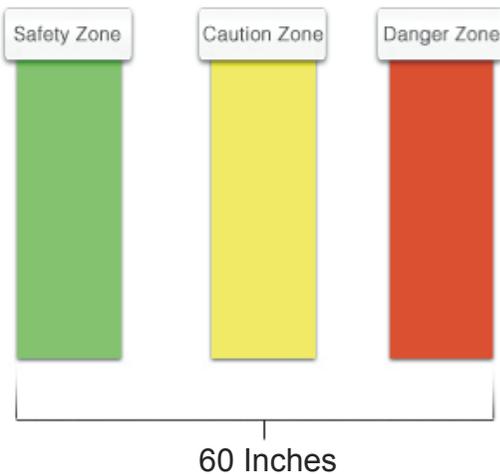
BACKZONE TRUCK
By Rostra

Introducing **BackZone Truck (250-1903-BZTRK)**, Rostra's latest innovation in vehicle parking assistance systems. Designed around the reliable components that customers have come to expect from the BackZone name, BackZone Truck advances the usability of the product line for light-duty trucks. Key features of this new system include the following:

25-Foot Truck Harness

Ultrasonic parking assistance systems typically require the use of harness extensions when being installed onto light duty trucks. These extensions introduce multiple points of failure and signal interference. That all changes with BackZone Truck. Each BackZone Truck system includes a weather-proof 25' harness designed to connect the four bumper-mounted ultrasonic sensors to the BackZone control module in a single run.

Redesigned BackZone Control Module

The BackZone control module packaged with the BackZone Truck system includes an internal electronics redesign necessary to transmit interference-free signals from the bumper-mounted ultrasonic sensors along the 25-foot harness - an industry first.

Smaller Audible/Visual Display

Compared to Rostra's standard BackZone Plus and FrontZone parking assistance systems, the BackZone Truck includes a dashboard/visor mount display with a smaller overall footprint designed to more seamlessly blend into a vehicle's interior.

3.8"

Full-Color Retail Packaging

Every BackZone Truck system ships with full-color retail packaging. This box design acts as a "silent salesman" in your showroom detailing the myriad features of the BackZone Truck system. Likewise, the box was redesigned with warehouse distributors in mind providing ample blank panel space for multiple UPC label sizes allowing easy storage and quick retrieval from a warehouse.

BACKZONE TRUCK
By Rostra

What's Included with the BackZone Truck?

- Full-color retail packaging
- Glossy installation/owner's manual.
- Bumper drilling template.
- Four flush-mount ultrasonic sensors.
- Four rubber sensor sleeves.
- Four under-bumper sensor mounts.
- Under-bumper mounting hardware.
- 25-foot sensor extension harness.
- BackZone Truck control module.
- Dashboard/Visor audio-visual display *.
- Standalone buzzer with 19' harness **.
- 21.5 mm hole saw.
- 24.5 mm hole saw.
- Two-wire power/ground harness.
- Cable ties.
- Four 6-degree angled sensor bezels.
- Four 12-degree angled sensor bezels.
- 3M VHB mounting tape for module.
- 3M VHB mounting tape for display.
- Two quick splice connectors.

* Options for Off, Visual Display Only, or Visual Display and Audio Output (90 dB).

** Options for High Audio Output (105 dB) and Low Audio Output (90 dB).

BACKZONE Pro
By Rostra

Introducing **BackZone Pro (250-1903-BZPRO)**, Rostra's latest innovation in vehicle parking assistance systems. Developed specifically for passenger cars and designed around the reliable components that customers have come to expect from the BackZone name, BackZone Pro advances the usability of the product line by easing installation and providing options for audio-visual or audible-only object detection alerts through the included dashboard or visor mountable display or a standalone buzzer. Key features of this new system include the following:

Smaller Audible/Visual Display

Compared to Rostra's standard BackZone Plus and FrontZone parking assistance systems, the BackZone Pro includes a dashboard/visor mount display with a smaller overall footprint designed to more seamlessly blend into a vehicle's interior.

3.8"

Sun visor-mountable with on-screen alerts rotated to match.

Extended Sensor Leads

17.5" leads on each ultrasonic sensor means it is easier to connect the weather-proof ends of the sensors to the extension harness on any vehicle.

Flush-Mount Ultrasonic Sensors

Stylish, low-profile, paintable ultrasonic sensors allow you to keep the factory fit and finish of your vehicle while adding an extra dimension of driving safety.

Full-Color Retail Packaging

Every BackZone Pro system ships with full-color retail packaging. This box design acts as a "silent salesman" in your showroom detailing the myriad features of the BackZone Pro system. Likewise, the box was redesigned with warehouse distributors in mind providing ample blank panel space for multiple UPC label sizes allowing easy storage and quick retrieval from a warehouse.

BackZone Pro Retail Packaging

BACKZONE Pro
By Rostra

What Is Included with the BackZone Pro?

- Full-color retail packaging
- Glossy installation/owner's manual.
- Bumper drilling template.
- Four flush-mount ultrasonic sensors *.
- Four rubber sensor sleeves.
- 8-foot sensors extension harness.
- BackZone Pro control module.
- Dashboard/Visor audio-visual display **.
- Standalone buzzer with 19' harness ***.

- 21.5 mm hole saw.
- 24.5 mm hole saw.
- Two-wire power/ground harness.
- Cable ties.
- Four 6-degree angled sensor bezels.
- Four 12-degree angled sensor bezels.
- 3M VHB mounting tape for module.
- 3M VHB mounting tape for display.
- Two quick splice connectors.

* Sensors include 17.5" wire leads.

** Options for Off, Visual Display Only, or Visual Display and Audio Output (90 dB).

*** Options for High Audio Output (105 dB) and Low Audio Output (90 dB).

Introducing DashCam - a series of compact, fully-featured digital video capture systems that use a standard Clasd 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.

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.

250-8919HD

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 base with VHB tape included.

Records GPS location for route mapping (Google Maps)
Automatically records with ignition power
Microphone and speaker for audio recording/playback SD card security panel with security screws
8GB Class 10 microSD card included for recording video

At Rostra Precision Controls, we are pleased to announce that major upgrades have been made to our Con-Verse Hands-Free Bluetooth® systems that we think your customers will enjoy. Along with these updates, you'll find a list of new part numbers when viewing the *Vehicle Specific Con-Verse Bluetooth®* webpage or when using our vehicle search drop-down menu on **rostra.com**. Read further for details about these updates...

Con-Verse Bluetooth® Module Updates

4-Channel Audio Streaming *

Two additional relays internal to each Con-Verse module means audio streaming is no longer limited to just the front two speakers of the vehicle. Users of Con-Verse systems can now experience high fidelity A2DP audio streaming from all speakers during every phone call, song, or video.

An upgraded Bluetooth® chip provides enhancements to mobile device interactivity including easier access to functions like voice commands, music control, and application launching.

Flat Black Surface-Mount Control Switch (250-7598)

Face view.   Control switch 250-7598 rear view.

Included with every new Con-Verse Hands-Free Bluetooth® System is our new **250-7598** flat black surface-mount control switch. Designed with ease of installation in mind, the ribbon cable style connector can be routed through a body trim panel crease for installation where drilling a hole is not an option and can be permanently attached using the included 3M double-sided foam pad. As with all other Con-verse Bluetooth® control switches, this new switch incorporates a cool blue backlight.

* 4-channel audio streaming available for vehicles equipped with base model sound systems only.

ComfortHeat® Carbon-Fiber Seat Heating Systems

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. ComfortHeat® seat heaters have rapid warm-up times that provide warmth in less than a minute. Treat yourself to the ultimate in comfort by installing both the ComfortSeat® Lumbar Support and therapeutic ComfortHeat® universal seat heaters in your car, truck, or SUV today!

Why choose ComfortHeat® seat heaters?

At Rostra, we pride ourselves on real-world product testing and validation in the harshest of environments. Our 80,000 square-foot manufacturing plant in Laurinburg, N.C. includes a battery of equipment that allows us to test every item that we sell against extreme hot and cold temperatures and ingress from dust and particulates that could shorten the life of our products on your vehicle. But we don't stop there - we submit each of our seat comfort components to outside laboratories for independent testing against the National Highway Traffic Safety Administration's ***Federal Motor Vehicle Safety Standards and Regulations*** Standard No. 302 *. Because our seat comfort items are all ***FMVSS 302*** compliant, we trust in their quality enough to provide an industry-leading 3-year/36,000 mile warranty on each kit sold. The only remaining question: Why wouldn't you use a ComfortHeat® seat heater or ComfortSeat® lubar support system from Rostra?

* from www.nhtsa.gov - This standard specifies burn resistance requirements for materials used in the occupant compartments of motor vehicles. Its purpose is to reduce deaths and injuries to motor vehicle occupants caused by vehicle fires, especially those originating in the interior of the vehicle from sources such as matches or cigarettes.

250-1870-TOY (2016-2017 Toyota Tacoma Installation)

Part Number: 250-1870

Seat heating system for one seat. 3-position rocker switch.

Part Number: 250-1870-TOY

Seat heating system for one seat. Toyota-specific.

Part Number: 250-1871

Seat heating system for one seat. 5-position thumb switch.

Part Number: 250-1872

Seat heating system for two seats. 5-position thumb switch.

Part Number: 250-1899

Seat heating system for one seat. 2-position rocker switch. Single seat heating element.

Part Number: 250-1900

Seat heating system for one seat. 2-position rocker switch. Two seat heating elements.

ComfortSeat® **Pneumatic Lumbar Support Systems**

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 ComfortSeat® 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.

Features:

Dual-position control switch (inflate/deflate).
Sound-dampening pouch minimizes pump noise.
Perfect addition to a leather seat upgrade.
Includes all hardware for a complete installation.

Expandable air bladder provides lumbar support.
Universal wiring for installation in all cars, trucks, and SUVs.
In-line 5 amp fuse provides short-circuit protection.

Part Numbers

250-1453 (Rear Mount)   **250-1454** (Front Mount)   **250-1752** (Rear Mount - Small Seat Apps)

Air Bladder - 250-1453

Air Bladder - 250-1454

Universal control switch

Universal wire harness

Under-seat pneumatic motor/pouch assembly

Sold in an attractive clamshell package, constructed from die-cast aluminum and a rugged, abrasion resistant UV-protected lens, Rostra's **260-2070** 7" sealed lamp provides vehicle owners with a simple way of replacing aging halogen assemblies with state of the art LED technology.

DOT approved 2D1 Par 56 headlamp.
Die-cast aluminum body dissipates heat buildup.
Black powder coated finish resists corrosion.
Impact-resistant polycarbonate lens.
Industry-standard H4, 3-pin connector.

Built-in high beam and low beam functionality.
600 lumen low beam, 1085 lumen high beam.
One low beam LED. Four high beam LEDs.
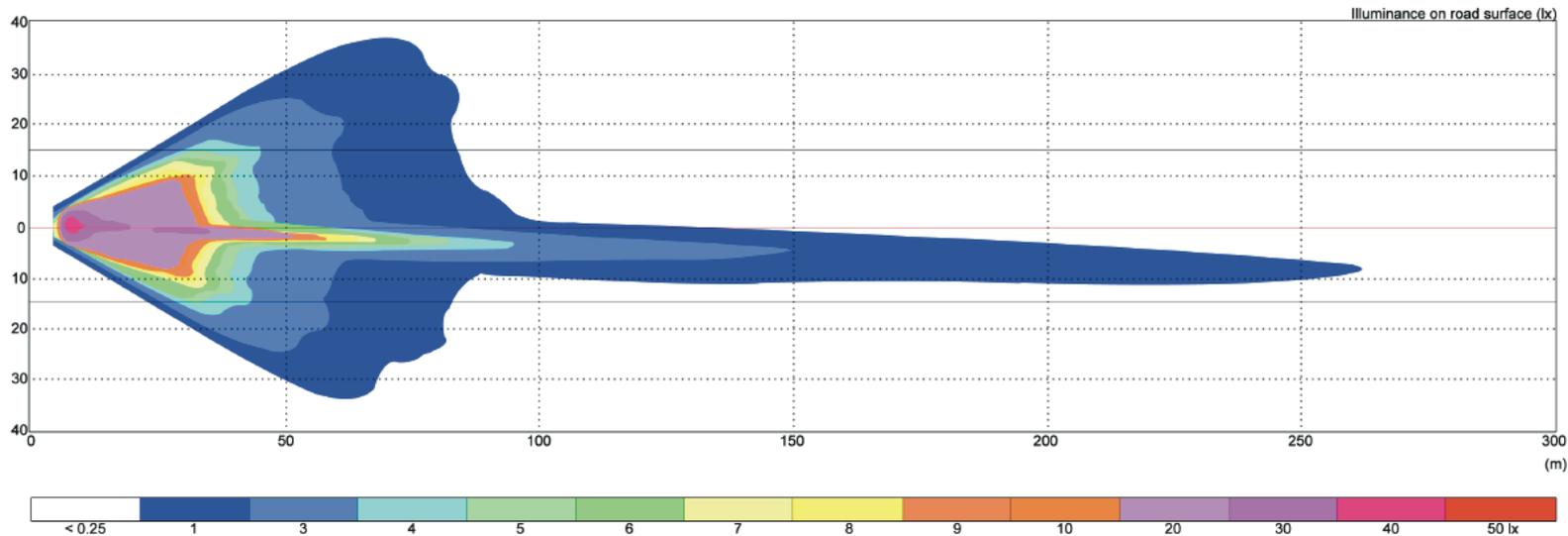15W low beam, 27W high beam.
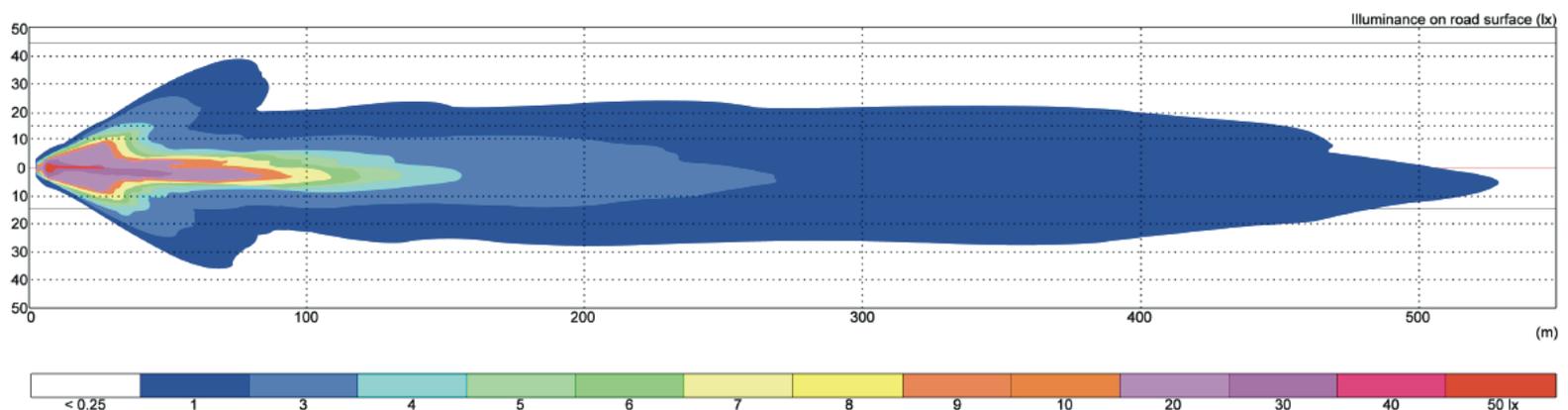9V-32V operating voltage.

Front

Rear

Full-Color
Retail Packaging

Low Beam Illuminance

High Beam Illuminance

2014+ Toyota Tundra DRL/Accent Lighting System

Developed specifically for the 2014 Toyota Tundra, Rostra's LED Daytime Running Lights (DRL) are part of the company's many domestic Port of Entry manufacturing programs and are now available to the aftermarket in a wide range of the most popular OE colors.

Part Numbers/OE Paint Codes
260-1030-TUNU (Unpainted) **260-1030-TUNB** (Black Onyx, 202) **260-1030-TUNW** (Super White, 040)
260-1030-TUNG (Magnetic Gray Metallic, 1G3) **260-1030-TUNS** (Silver Sky Metallic, 1D6)

Toyota LED Fog Lamp

260-1018-TYC

Sold as a two-piece set, part number 260-1018-TYC is a direct replacement LED fog light assembly for Toyota vehicles with plug-and-play harness for quick installation.

2005+ Toyota Tacoma DRL/Accent Lighting System
260-1002-TAC1

260-1026-CAMLE
2012-2014.5 Toyota Camry LE

260-1024-F150X
2015+ Ford F150 XL

2007-2014 Toyota FJ Cruiser

260-1004-FJ1
LED DRL assembly (no fog lamps)

260-1004-FJ2
LED DRL assembly (with fog lamps)

260-1024-JEEP
2007+ Jeep Wrangler (JK) DRL/Accent Lighting System

Two 5-LED lamps	Fender cut-out templates	Weatherproof connectors
Two black custom bezels	All mounting hardware	4800K color temperature

Universal LED DRL Assemblies

260-1002-UNI

4-LED lamp, chrome interior finish, 140mm x 30mm

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

260-1004-UNI-M

5-LED lamp, chrome interior finish, 200mm x 20mm

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

Drive-by-wire add-on cruise control systems by Rostra are available for many popular vehicle platforms from manufacturers like Toyota, General Motors, Suzuki, Dodge, Mitsubishi and Chrysler. Each cruise control system is designed with ease of installation in mind and typically provides for a completely plug-and-play installation.

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 Cruise Control Solutions for 2017

250-9643/250-9644
Chevrolet
2016 (new body style) - 2017 Cruze

250-9642
RAM Trucks
2014-2017 ProMaster

250-9639
RAM Trucks
2015-2017 ProMaster City

250-1884
Hyundai
2017 Elantra

250-1885
Mitsubishi
2017 Mirage

250-1836
Multiple 2006-2017 vehicles

View our complete list of electronic cruise controls at **www.rostra.com**!

Now Available...

Almost all of our electronic cruise control systems can now be purchased with our latest column-mount, adjustable control switch by adding the suffix "**-NS**" to a standard cruise control part number providing access to built-in memory locations to access stored speed preferences and/or speed-limiting functionality.

View our complete list of electronic cruise controls at **www.rostra.com**!

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!

250-1223 (Universal)

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

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

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).

250-3026
GM/AMC switch with dimmer.

250-3032
"Cut Off" installs over turn signal shaft.

250-3421
"Slim Arm" universal mount adjustable arm.

250-3304
"Stubby" non-adjustable universal mount

250-3125
Universal mount with adjustable arm.

250-3446
"Slim Arm" universal with adjustable arm.

250-3742
Universal left-hand mount with On/Off LED.

250-3743
Universal right-hand mount with On/Off LED.

250-3002
"Piggy Back" installs on existing lever.

250-3592
Dash mount switch with engaged LED.

250-3593
Dash mount switch without engaged LED.

250-1483
Universal bottom mount RF with bracket.

SOURCE⚡PWR

Never search for an accessory power source again

SourcePWR® saves 12-volt installers an incredible amount of time when it comes to locating a reliable supply of power for their add-on accessories. SourcePWR® simplifies the installation of these accessories by requiring installers to simply connect two wires to the vehicle (Yellow and Black directly to the battery) in order to provide a stable 12-volt power supply via the Red wire.

12V Constant Input **Chassis Ground** **12V Accessory Output**

SourcePWR® is an intelligent device and can automatically detect when your vehicle's engine is on in order to supply power to your connected accessories. SourcePWR® automatically powers down these accessories when the engine turns off and enters a sleep mode so that no power is drawn from the battery. While SourcePWR® connects directly to your vehicle's battery, it provides installers with a way of isolating the installation of their accessories from other more sensitive electronics.

SourcePWR® provides amazing functionality in a package that is small enough to fit in the palm of your hand. With its small size, SourcePWR® can be connected and then discretely hidden away. Even with this small size, SourcePWR® provides a 7.5 Amp output to power accessories such as backup cameras, seat heaters, LED lighting and more!

While SourcePWR® is perfectly suited for automotive use, its applications are limitless. The SourcePWR® device is especially useful in situations where an installer has been tasked with adding an accessory component to a non-traditional vehicle and may not be particularly familiar with its electrical system. Such vehicles include heavy construction machinery (lighting and camera systems), watercraft such as boats (audio equipment), motorcycles (seat heaters and communication equipment) and more.

Exclusively available from Rostra Precision Controls, Inc.