

PNANA-PACIFIC

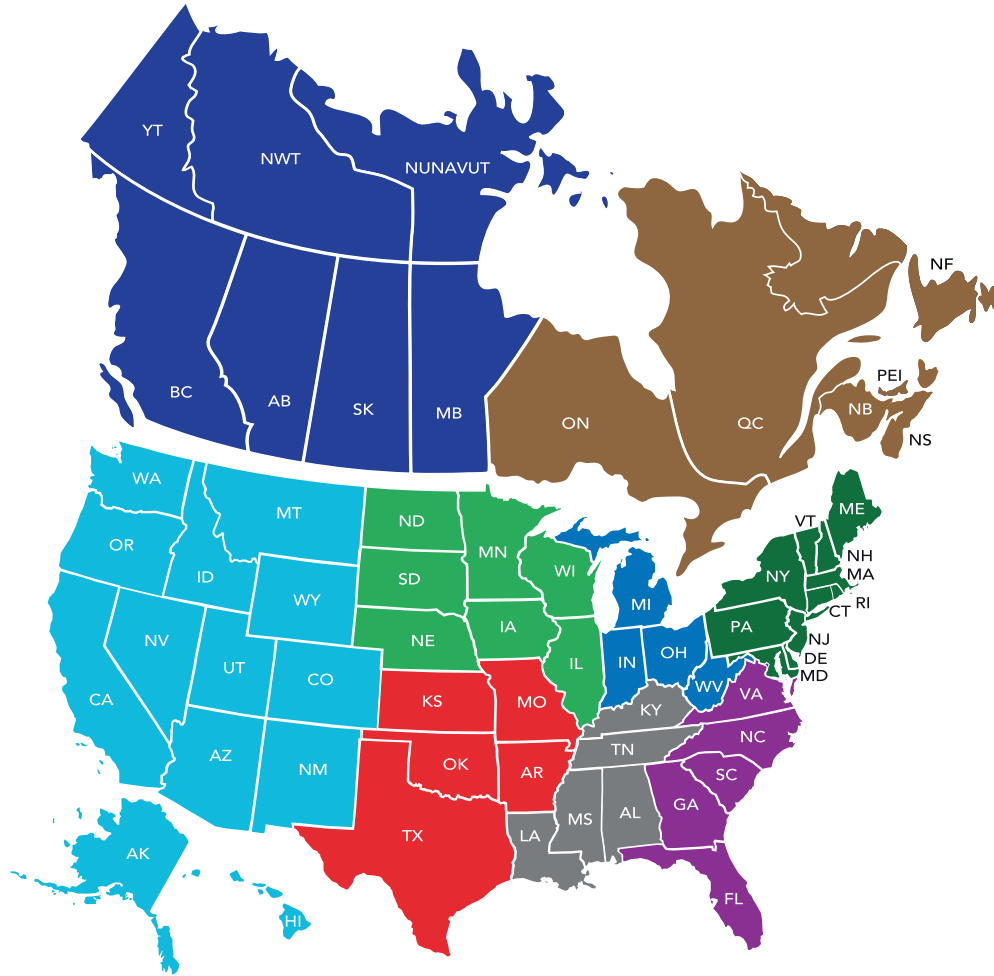
CATALOG 2022



PNANA-PACIFIC



PANA-PACIFIC AFTERMARKET SALES



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ORDERING

1. PHONE YOUR ORDER: 1-800-726-2636

Monday - Friday 7 a.m. to 4:30 p.m. Pacific Standard Time. You may call this number to place orders, ask for product advice, get technical assistance or speak to your Customer Service Representative about general questions or concerns.

2. FAX YOUR ORDER: 1-559-266-1368

Available 24 hours-a-day, 7 days-a-week. Please include your name, company name and dealer code (or account number), purchase order number and phone or fax number along with the list of items you would like to order.

3. E-MAIL YOUR ORDER: cs@panapacific.com

Available 24 hours-a-day, 7 days-a-week. Please include your name, your e-mail address, company name and dealer code (or account number), purchase order number and phone or fax number along with the list of items you would like to order in your e-mail.

4. STANDARD SHIPPING: 3 - 7 DAYS GROUND










5. EXPRESS SHIPPING: NEXT DAY & 2ND DAY AIR







If you need to get your order quickly and don't mind paying the freight, we can ship overnight and second-day air. Deadlines for same day shipments are 3 p.m. EST and 12 p.m. PST.

CORE COMMUNICATION

• APTIV •

COMMON FEATURES FOR ALL HEAVY DUTY APTIV RADIOS

	<p>HEAVY DUTY DESIGN - made for a commercial vehicle driver by having larger buttons and a heavy-duty construction for tougher environments.</p> <p>SAE J1455 COMPLIANT - meets all the test standards for reliability of an electronic component in a commercial vehicle.</p>
	<p>WEATHER BAND (WB) - offers National Weather Radio Broadcasts from over 1,025 locations throughout the United States on seven VHF/FM frequencies free-of-charge to provide continuous weather information 24 hours a day. Range: 162.400 MHz - 162.550 MHz</p>
	<p>ISO CONNECTOR - allows the radio to be connected directly to the vehicle's harness; no additional harness is required — no cutting, no separate accessories to purchase for all commercial vehicles manufactured with the ISO connect harness.</p>
	<p>FRONT AUX INPUT (MUSIC PORT) - easy access to plug in a smart device and enjoy your digital music library through the vehicle's speakers.</p>
	<p>REAR AUX INPUT - provides an auxiliary terminal for permanent hard wire to the rear side of the radio.</p>
	<p>SAE J1939 COMPLIANT - allows the different vehicle components that run on the communication bus system to talk to each other; compatible with most digital steering wheel/rear-sleeper controls.</p>
	<p>QUARTZ ALARM CLOCK - convenient, built-in quartz alarm clock with one hour timer.</p>
	<p>OUTPUT POWER - 18 W x 4 Channels 18 W x 2 Channels (24 Volt Radios)</p>
	<p>SOUND QUALITY (EQ) FUNCTION - select the sound type (Pop, Rock, Country, News, Jazz, Classical or Manual) to improve the dynamic range.</p> <p>SEPARATE BASS, MID, TREBLE, BALANCE AND FADER CONTROL</p> <p>6 AM / 12 FM RADIO PRESET BUTTONS</p> <p>AUTO STORE MEMORY</p>

	<p>AUTO BAUDRATE - capable of auto detecting the correct CAN bus baud rate to use at power up; the possible baud rate is 250K or 500K.</p>
	<p>MECHLESS - no Compact Disc (CD) player</p>
	<p>SHALLOW CHASSIS - 86.5 mm in depth</p>
	<p>VF DOT MATRIX DISPLAY - Three line display that maximizes the viewing area on the front of the radios. This allows for more information on the screen and minimizes the need to scroll.</p>
	<p>WHITE FAKRA AM/FM ANTENNA CONNECTOR - Robust locking mechanism, small form factor with high speed capability which allows for better cable management.</p>
	<p>MOTOROLA TO FAKRA ADAPTER CABLE - AM/FM Radio Antenna Adapter Fakra Jack code B to Motorola DIN socket Connector six-inch cable. Adapter cable included with each APTIV radio model until OEM truck manufacturers change wiring from Motorola to FAKRA.</p>



QUICK TIP

DIGITAL AUDIO BROADCASTING (DAB) IS A DIGITAL RADIO STANDARD FOR BROADCASTING DIGITAL AUDIO RADIO SERVICES, USED IN MANY COUNTRIES AROUND THE WORLD, THOUGH NOT NORTH AMERICA WHERE HD RADIO IS USED INSTEAD.

SOME APTIV RADIO MODELS HAVE DUAL TUNERS, **RDS / DAB** - FOR USE IN COUNTRIES OUTSIDE OF NORTH AMERICA. ALL APTIV RADIO MODELS WITH THE DUAL TUNER ARE IDENTIFIED IN THIS CATALOG WITH THE DAB LOGO AND A DAB BULLET POINT IN THE 'FEATURES' SECTION.





APTIV HEAVY-DUTY AM/FM STEREO RECEIVER WITH WEATHER BAND
PART NUMBER: PP107198
 FEATURES: Back-lit Display Lighting - GREEN • PA Function (PA Microphone & Cable sold separately) • Common Features are listed on page 2



30 DAY CLOCK MEMORY
 APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT, INTEGRATED SXM SATELLITE RADIO AND INTEGRATED BLUETOOTH®
PART NUMBER: PP107201

Made for iPhone | iPad | iPod



FEATURES: Integrated SiriusXM Satellite Radio Tuner - offers 100+ channels of digital quality audio programming heard uninterrupted across the United States and Canada; a subscription is required to receive SAT broadcasts* • SiriusXM 'Instant Replay' feature enabled - allows user to pause, rewind and replay audio content from the currently active channel • Built-in Bluetooth® profile is selectable between Audio Streaming and/or Hands-Free phone operation (utilizing the vehicle's audio system and a remote mic** - up to 10 devices can be easily stored in the radio memory for fast pairing) • FRONT PANEL USB PORT - gives a direct connect location for memory devices with USB interface, to play stored music and/or charge the device and have iPod® control through the radio • iPad® charging capability up to 2.1A • Back-lit Display Lighting - Switchable between GREEN or AMBER • Common Features are listed on page 2 • Satellite Radio Antenna sold separately - Part No. PP802458 or SRTMM-02 **Bluetooth® Mic sold separately - Part No. PP603846 or PP604240 • Handheld Remote Control sold separately - Part No. PP603988



Made for iPhone | iPod

APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT
PART NUMBER: PP107199
 FEATURES: FRONT PANEL USB PORT - gives a direct connect location for memory devices w/USB interface, to play stored music and/or charge the device and have iPod® control through the radio • Back-lit Display Lighting - GREEN • PA Function (PA Microphone & Cable sold separately) • Common Features are listed on page 2



Made for iPhone | iPod



APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT AND INTEGRATED BLUETOOTH®
PART NUMBER: PP107200
 FEATURES: Built-in Bluetooth® profile is selectable between Audio Streaming and/or Hands-Free phone operation (utilizing the vehicle's audio system and a remote mic* - up to 10 devices can be easily stored in the radio memory for fast pairing) • FRONT PANEL USB PORT - gives a direct connect location for memory devices w/USB interface, to play stored music and/or charge the device and have iPod® control through the radio • Back-lit Display Lighting - GREEN • PA Function (PA Microphone & Cable sold separately) • Common Features are listed on page 2 • Bluetooth® Mic sold separately - Part No. PP603846 or PP604240

BUNDLED VALUE



30 DAY CLOCK MEMORY
 APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT, INTEGRATED SXM SATELLITE RADIO AND INTEGRATED BLUETOOTH® AND PEIKER BLUETOOTH® MIC
PART NUMBER: PP807216
 FEATURES: APTIV Radio (PP107201), and Bluetooth® Microphone (PP604240)
 MICROPHONE FEATURES: Allows hands-free phone calls with the Bluetooth® feature of this radio • Designed to be secured to a surface with double sided adhesive tape • 3/4" wide x 1-5/8" tall • No need to drill a hole in the instrument panel • 7.5' cable includes a connector that plugs directly into the back of the radio

BUNDLED VALUE



APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT, AND INTEGRATED BLUETOOTH® AND PEIKER BLUETOOTH® MIC
PART NUMBER: PP807215
 FEATURES: APTIV Radio (PP107200), and Bluetooth® Microphone (PP604240)
 MICROPHONE FEATURES: Allows hands-free phone calls with the Bluetooth® feature of this radio • Designed to be secured to a surface with double sided adhesive tape • 3/4" wide x 1-5/8" tall • No need to drill a hole in the instrument panel • 7.5' cable includes a connector that plugs directly into the back of the radio

BUNDLED VALUE



30 DAY CLOCK MEMORY
 APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT, INTEGRATED SXM SATELLITE RADIO AND INTEGRATED BLUETOOTH® AND PEIKER BLUETOOTH® MIC AND SATELLITE RADIO ANTENNA
PART NUMBER: PP807155
 FEATURES: APTIV Radio (PP107201), Bluetooth® Microphone (PP604240) and interoperable Satellite Radio Antenna (SRTMM-02)
 MICROPHONE FEATURES: Allows hands-free phone calls with the Bluetooth® feature of this radio • Designed to be secured to a surface with double sided adhesive tape • 3/4" wide x 1-5/8" tall • No need to drill a hole in the instrument panel • 7.5' cable includes a connector that plugs directly into the back of the radio
 SATELLITE RADIO ANTENNA FEATURES: Interoperable (certified for use with SiriusXM receivers) • Mirror-mount design • 14-foot RG-174 cable • Custom SMB connector to fit APTIV radios • Durable, light weight and sleek

CORE COMMUNICATION



Made for
iPhone | iPad | iPod
Bluetooth®
((SiriusXM))

30 DAY CLOCK MEMORY
 APTIV HEAVY-DUTY AM/FM/WB
 WITH FRONT PANEL USB PORT,
 INTEGRATED SXM SATELLITE RADIO
 AND INTEGRATED BLUETOOTH®
 PART NUMBER: **PP107247**

FEATURES: Integrated SiriusXM Satellite Radio Tuner - offers 100+ channels of digital quality audio programming heard uninterrupted across the United States and Canada; a subscription is required to receive SAT broadcasts* • SiriusXM 'Instant Replay' feature enabled - allows user to pause, rewind and replay audio content from the currently active channel • Built-in Bluetooth® profile is selectable between Audio Streaming and/or Hands-free phone operation (utilizing the vehicle's audio system and a remote mic** - up to 10 devices can be easily stored in the radio memory for fast pairing) • FRONT PANEL USB PORT- gives a direct connect location for memory devices with USB interface, to play stored music and/or charge the device and have iPod® control through the radio • iPad® charging capability up to 2.1A • Back-lit Display Lighting - Switchable between RED or BLUE • Common Features listed on page 2 *Satellite Radio Antenna sold separately - Part No. PP802458 or SRTMM-02 **Bluetooth® Mic sold separately - Part No. PP603846 or PP604240 • Handheld Remote Control sold separately - Part No. PP603988



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Bluetooth®

30 DAY CLOCK MEMORY
 APTIV HEAVY-DUTY AM/FM LONG WAVE
 WITH FRONT PANEL USB PORT, DAB AND INTEGRATED BLUETOOTH®
 PART NUMBER: **PP107220**

FEATURES: Dual Tuner RDS / DAB for use outside of North America • Long Wave Radio (LW): Low frequency range 153-279 kHz • Built-in Bluetooth® for Audio Streaming and/or Hands-free phone operation (using the vehicle's audio system and a remote mic* - store up to 10 devices) • USB PORT- direct connect for memory devices w/USB interface, to play stored music and/or charge the device and have iPod® control through the radio • iPad® charging capability up to 2.1A • Back-lit Display Lighting - WHITE • Common Features on page 2; Exception - no Weather Band *Bluetooth® Mic sold separately - Part No. PP603846 or PP604240 • Remote Control sold separately - Part No. PP603988



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Bluetooth®
((SiriusXM))

30 DAY CLOCK MEMORY
 APTIV HEAVY-DUTY AM/FM/WB
 WITH FRONT PANEL USB PORT AND
 INTEGRATED SXM SATELLITE RADIO
 PART NUMBER: **PP107202**

FEATURES: Integrated SiriusXM Satellite Radio Tuner - offers 100+ channels of digital quality audio programming heard uninterrupted across the U.S. and Canada; a subscription is required to receive SAT broadcasts* • SiriusXM 'Instant Replay' feature enabled - allows user to pause, rewind and replay audio content from the currently active channel • FRONT PANEL USB PORT- direct connect location for memory devices with USB interface, to play stored music and/or charge the device and have iPod® control through the radio • iPad® charging capability up to 2.1A • Back-lit Display Lighting - Switchable between GREEN or AMBER • Common Features listed on page 2 *SAT Radio Antenna sold separately - Part No. PP802458 or SRTMM-02 • Handheld Remote Control sold separately - Part No. PP603988



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iPhone | iPod

Bluetooth®

30 DAY CLOCK MEMORY
 APTIV 24 VOLT HEAVY-DUTY AM/FM/WB WITH
 FRONT PANEL USB PORT AND INTEGRATED BLUETOOTH®
 PART NUMBER: **PP107213**

FEATURES: 24 VOLT RADIO • Built-in Bluetooth® for Audio Streaming and/or Hands-free phone operation (using the vehicle's audio system and a built-in mic - store up to 10 devices) • USB PORT- direct connect for memory devices w/USB, to play stored music and/or charge the device and have iPod® control through the radio • Back-lit Display Lighting: AMBER • Two Speaker Output • Common Features on page 2



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Bluetooth®
((SiriusXM))

30 DAY CLOCK MEMORY
 APTIV 24 VOLT HEAVY-DUTY AM/FM/WB
 WITH FRONT PANEL USB PORT,
 INTEGRATED SXM SATELLITE RADIO AND INTEGRATED BLUETOOTH®
 PART NUMBER: **PP107214**

FEATURES: 24 VOLT RADIO • Integrated SiriusXM Satellite Radio Tuner* • SXM 'Instant Replay' enabled • Built-in Bluetooth® for Audio Streaming and/or Hands-free phone operation (using the vehicle's audio system and built-in mic - store up to 10 devices) • USB PORT- direct connect for memory devices with USB interface, to play stored music and/or charge the device and have iPod® control through the radio • iPad® charging capability up to 2.1A • Back-lit Display Lighting - AMBER • Two Speaker Output • Common Features on page 2 *SAT Antenna sold separately, Part No. PP802458 or SRTMM-02 • Remote Control sold separately, Part No. PP603988



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iPhone | iPad | iPod

Bluetooth®

30 DAY CLOCK MEMORY
 APTIV 24 VOLT HEAVY-DUTY AM/FM LONG WAVE
 WITH FRONT PANEL USB PORT, DAB AND INTEGRATED BLUETOOTH®
 PART NUMBER: **PP107215**

FEATURES: 24 VOLT RADIO • Dual Tuner RDS / DAB for use outside of North America • Long Wave Radio (LW): Low frequency range 153-279 kHz • Built-in Bluetooth® for Audio Streaming and/or Hands-Free phone operation • USB PORT- direct connect location for memory devices w/USB, to play stored music and/or charge the device and have iPod® control through the radio • iPad® charging capability up to 2.1A • Back-lit Display Lighting - AMBER • Two Speaker Output • Common Features on page 2; Exception - no Weather Band • Handheld Remote Control sold separately - Part No. PP603988

((sxm))

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OR

12 MONTHS FOR \$99

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 Credit card required.

CORE COMMUNICATION



QUICK TIP



THE APTIV FREIGHTLINER RADIOS: PP107216, PP107217, AND PP107221 ARE FOR USE **ONLY** IN THE NEW CASCADIA TRUCK MODELS BUILT FROM 2017 AND NEWER. THESE RADIOS INTEGRATE WITH NEW STEERING WHEEL CONTROLS AND WITH NEW DASH DISPLAYS.

TRUCKS BUILT WITHOUT A FACTORY INSTALLED RADIO WILL NEED TO HAVE A DEALER TURN ON THE NECESSARY PARAMETERS FOR STEERING WHEEL CONTROLS AND INSTRUMENT CLUSTER FUNCTIONS.

IF THESE RADIOS ARE INSTALLED INTO AN OLDER MODEL FREIGHTLINER TRUCK FUNCTIONALITY WITH STEERING WHEEL CONTROLS AND/OR DASH DISPLAYS MAY BE LIMITED. FOR OLDER MODEL FREIGHTLINER TRUCKS THE STANDARD APTIV RADIO MODELS ARE RECOMMENDED.



30 DAY CLOCK MEMORY

APTIV HEAVY-DUTY AM/FM STEREO RECEIVER WITH WEATHER BAND

PART NUMBER: **PP107216**

FEATURES: Back-lit Display Lighting - AMBER • PA Function (PA Mic & Cable sold separately) • Common Features are listed on page 2

SEE QUICK TIP ABOVE FOR SPECIFIC RADIO APPLICATION INFO



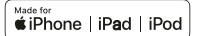
30 DAY CLOCK MEMORY

APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT AND INTEGRATED BLUETOOTH®

PART NUMBER: **PP107217**

FEATURES: Built-in Bluetooth® profile is selectable between Audio Streaming and/or Hands-Free phone operation (utilizing the vehicle's audio system and a remote mic* - up to 10 devices can be easily stored in the radio memory for fast pairing) • FRONT PANEL USB PORT- gives a direct connect location for memory devices w/ USB interface, to play stored music and/or charge the device and have iPod® control through the radio • Back-lit Display Lighting - AMBER • Common Features are listed on page 2 *Bluetooth® Mic sold separately - Part No. PP603846 or PP604240

SEE QUICK TIP ABOVE FOR SPECIFIC RADIO APPLICATION INFO



30 DAY CLOCK MEMORY

APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT, INTEGRATED SXM SATELLITE RADIO AND INTEGRATED BLUETOOTH®

PART NUMBER: **PP107221**

FEATURES: Integrated SiriusXM Satellite Radio Tuner - offers 100+ channels of digital quality audio programming heard uninterrupted across the U.S. and Canada; a subscription is required to receive SAT broadcasts* • SiriusXM 'Instant Replay' feature enabled - allows user to pause, rewind and replay audio content from the currently active channel • Built-in Bluetooth® profile is selectable between Audio Streaming and/or Hands-Free phone operation (utilizing the vehicle's audio system and a remote mic** - up to 10 devices can be stored for fast pairing) • FRONT PANEL USB PORT- direct connect location for memory devices with USB interface, to play stored music and/or charge the device and have iPod® control through the radio • iPad® charging capability up to 2.1A • Back-lit Display Lighting - AMBER • Common Features listed on page 2 *Satellite Radio Antenna sold separately - Part No. PP802458 or SRTMM-02 **Bluetooth® Mic sold separately - Part No. PP603846 or PP604240 • Handheld Remote Control sold separately - Part No. PP603988

SEE QUICK TIP IN LEFT COLUMN FOR SPECIFIC RADIO APPLICATION INFO



BUNDLED VALUE



peiker

30 DAY CLOCK MEMORY

APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT, INTEGRATED SXM SATELLITE RADIO AND INTEGRATED BLUETOOTH® AND PEIKER BLUETOOTH® MIC AND SATELLITE RADIO ANTENNA

PART NUMBER: **PP807159**

FEATURES: APTIV Radio (PP107221), Bluetooth® Microphone (PP604240) and interoperable Satellite Radio Antenna (SRTMM-02)

MICROPHONE FEATURES: Allows hands-free phone calls with the Bluetooth® feature of this radio • Designed to be secured to a surface with double sided adhesive tape • 3/4" wide x 1-5/8" tall • No need to drill a hole in the instrument panel • 7.5' cable includes a connector that plugs directly into the back of the radio

SATELLITE RADIO ANTENNA FEATURES: Interoperable (certified for use with SiriusXM receivers) • Mirror-mount design • 14-foot RG-174 cable • Custom SMB connector to fit APTIV radios • Durable, light weight and sleek

SEE QUICK TIP IN LEFT COLUMN FOR SPECIFIC PP107221 RADIO APPLICATION INFO



QUICK TIP

THE 30 DAY CLOCK MEMORY FEATURE ON SEVERAL OF THE APTIV RADIO MODELS KEEPS THE CLOCK RUNNING FOR UP TO 30 DAYS WITHOUT BATTERY POWER SO YOU DO NOT HAVE TO RESET THE TIME.

EXAMPLES:

VEHICLE BATTERY DISCONNECT

OR

THE RADIO IS PULLED OUT OF THE VEHICLE



CORE COMMUNICATION



QUICK TIP

THE APTIV MACK RADIOS: PP107222, PP107223, AND PP107224, ARE FOR USE ONLY IN MACK TRUCKS AND ARE COMPATIBLE WITH MACK SOFTWARE.

A SPECIFIC ADAPTOR HARNESS MAY BE REQUIRED BASED ON TRUCK OPTIONS AS NOTED IN THE HARNESS GUIDE IN THE BACK OF THIS CATALOG. MACK TRUCKS BUILT AFTER 8/15/14 WILL NOT REQUIRE AN ADAPTOR HARNESS.



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APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT, INTEGRATED SXM SATELLITE RADIO AND INTEGRATED BLUETOOTH®
PART NUMBER: **PP107224**

FEATURES: Integrated SiriusXM Satellite Radio Tuner - offers 100+ channels of digital quality audio programming heard uninterrupted across the United States and Canada; a subscription is required to receive SAT broadcasts* • SiriusXM 'Instant Replay' feature enabled - allows user to pause, rewind and replay audio content from the currently active channel • Built-in Bluetooth® profile is selectable between Audio Streaming and/or Hands-Free phone operation (utilizing the vehicle's audio system and a remote mic** - up to 10 devices can be easily stored in the radio memory for fast pairing) • FRONT PANEL USB PORT- gives a direct connect location for memory devices with USB interface, to play stored music and/or charge the device and have iPod® control through the radio • iPad® charging capability up to 2.1A • Back-lit Display Lighting - BLUE • Common Features are listed on page 2 *Satellite Radio Antenna sold separately - Part No. PP802458 or SRTMM-02 **Bluetooth® Mic sold separately - Part No. PP603846 or PP604240 • Handheld Remote Control sold separately - Part No. PP603988 **SEE QUICK TIP IN LEFT COLUMN FOR SPECIFIC RADIO APPLICATION INFORMATION**



APTIV HEAVY-DUTY AM/FM STEREO RECEIVER WITH WEATHER BAND
PART NUMBER: **PP107222**

FEATURES: Back-lit Display Lighting - BLUE • PA Function (PA Mic & Cable sold separately) • Common Features are listed on page 2
SEE QUICK TIP ABOVE FOR SPECIFIC RADIO APPLICATION INFORMATION



BUNDLED VALUE



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APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT AND INTEGRATED BLUETOOTH®
PART NUMBER: **PP107223**

FEATURES: Built-in Bluetooth® profile is selectable between Audio Streaming and/or Hands-Free phone operation (utilizing the vehicle's audio system and a remote mic* - up to 10 devices can be easily stored in the radio memory for fast pairing) • FRONT PANEL USB PORT- gives a direct connect location for memory devices w/ USB interface, to play stored music and/or charge the device and have iPod® control through the radio • Back-lit Display Lighting - BLUE • Common Features are listed on page 2 *Bluetooth® Mic sold separately - Part No. PP603846 or PP604240
SEE QUICK TIP ABOVE FOR SPECIFIC RADIO APPLICATION INFORMATION

APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT, INTEGRATED SXM SATELLITE RADIO AND INTEGRATED BLUETOOTH® AND PEIKER BLUETOOTH® MIC AND SATELLITE RADIO ANTENNA
PART NUMBER: **PP807160**

FEATURES: APTIV Radio (PP107224), Bluetooth® Microphone (PP604240) and interoperable Satellite Radio Antenna (SRTMM-02)
MICROPHONE FEATURES: Allows hands-free phone calls with the Bluetooth® feature of this radio • Designed to be secured to a surface with double sided adhesive tape • 3/4" wide x 1-5/8" tall • No need to drill a hole in the instrument panel • 7.5' cable includes a connector that plugs directly into the back of the radio
SATELLITE RADIO ANTENNA FEATURES: Interoperable (certified for use with SiriusXM receivers) • Mirror-mount design • 14-foot RG-174 cable • Custom SMB connector to fit APTIV radios • Durable, light weight and sleek
SEE QUICK TIP IN LEFT COLUMN FOR SPECIFIC PP107224 RADIO APPLICATION INFORMATION



QUICK TIP

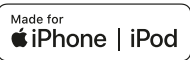


THE APTIV VOLVO RADIOS:
PP107228, PP107229, AND PP107230 ARE FOR USE ONLY IN VOLVO TRUCKS AND ARE COMPATIBLE WITH VOLVO LECM.

A SPECIFIC ADAPTOR HARNESS MAY BE REQUIRED BASED ON TRUCK OPTIONS AS NOTED IN THE HARNESS GUIDE IN THE BACK OF THIS CATALOG. VOLVO TRUCKS BUILT AFTER 11/10/14 WILL NOT REQUIRE AN ADAPTOR HARNESS.



APTIV HEAVY-DUTY AM/FM STEREO RECEIVER WITH WEATHER BAND
PART NUMBER: **PP107228**
FEATURES: Back-lit Display Lighting - GREENISH-WHITE • PA Function (PA Mic & Cable sold separately) • Common Features are listed on page 2
SEE QUICK TIP ABOVE FOR SPECIFIC RADIO APPLICATION INFORMATION



APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT AND INTEGRATED BLUETOOTH®
PART NUMBER: **PP107229**
FEATURES: Built-in Bluetooth® profile is selectable between Audio Streaming and/or Hands-Free phone operation (utilizing the vehicle's audio system and a remote microphone* - up to 10 devices can be easily stored in the radio memory for fast pairing) • FRONT PANEL USB PORT- gives a direct connect location for memory devices w/USB interface, to play stored music and/or charge the device and have iPod® control through the radio • Back-lit Display Lighting - GREENISH-WHITE • Common Features are listed on page 2 *Bluetooth® Microphone sold separately - Part No. PP603846 or PP604240
SEE QUICK TIP ABOVE FOR SPECIFIC RADIO APPLICATION INFORMATION



APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT, INTEGRATED SXM SATELLITE RADIO AND INTEGRATED BLUETOOTH®
PART NUMBER: **PP107230**

FEATURES: Integrated SiriusXM Satellite Radio Tuner - offers 100+ channels of digital quality audio programming heard uninterrupted across the United States and Canada; a subscription is required to receive SAT broadcasts* • SiriusXM 'Instant Replay' feature enabled - allows user to pause, rewind and replay audio content from the currently active channel • Built-in Bluetooth® profile is selectable between Audio Streaming and/or Hands-Free phone operation (utilizing the vehicle's audio system and a remote mic** - up to 10 devices can be easily stored in the radio memory for fast pairing) • FRONT PANEL USB PORT- gives a direct connect location for memory devices with USB interface, to play stored music and/or charge the device and have iPod® control through the radio • iPad® charging capability up to 2.1A • Back-lit Display Lighting - GREENISH-WHITE • Common Features are listed on page 2 *Satellite Radio Antenna sold separately - Part No. PP802458 or SRTMM-02 **Bluetooth® Mic sold separately - Part No. PP603846 or PP604240 • Handheld Remote Control sold separately - Part No. PP603988 **SEE QUICK TIP IN LEFT COLUMN FOR SPECIFIC RADIO APPLICATION INFORMATION**



BUNDLED VALUE



APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT, INTEGRATED SXM SATELLITE RADIO AND INTEGRATED BLUETOOTH® AND PEIKER BLUETOOTH® MIC AND SATELLITE RADIO ANTENNA
PART NUMBER: **PP807162**

FEATURES: APTIV Radio (PP107230), Bluetooth® Microphone (PP604240) and interoperable Satellite Radio Antenna (SRTMM-02)
MICROPHONE FEATURES: Allows hands-free phone calls with the Bluetooth® feature of this radio • Designed to be secured to a surface with double sided adhesive tape • 3/4" wide x 1-5/8" tall • No need to drill a hole in the instrument panel • 7.5' cable includes a connector that plugs directly into the back of the radio
SATELLITE RADIO ANTENNA FEATURES: Interoperable (certified for use with SiriusXM receivers) • Mirror-mount design • 14-foot RG-174 cable • Custom SMB connector to fit APTIV radios • Durable, light weight and sleek
SEE QUICK TIP IN LEFT COLUMN FOR SPECIFIC PP107230 RADIO APPLICATION INFORMATION

Panasonic



Made for iPhone | iPod



MECHLESS

HEAVY-DUTY AM/FM/MP3/WMA/WB WITH FRONT PANEL USB PORT, INTEGRATED BLUETOOTH® AND INTEGRATED SXM SATELLITE RADIO

PART NUMBER: **CRSM4208U**

AVAILABLE WHILE SUPPLIES LAST

FEATURES: Heavy-Duty Design • Integrated SiriusXM Satellite Radio Tuner - offers 100+ channels of digital quality audio programming heard uninterrupted across the U.S.; a subscription is required to receive SAT broadcasts* • Built-in Bluetooth® for hands-free cellular phone operation - utilizing the vehicle's audio system and a remote microphone** Up to 8 Bluetooth® devices can be paired on this radio • Bluetooth® Audio Streaming • Weather Band (WB) • ISO Connector • Front Auxiliary Input (Music Port) - plug in a smart device to enjoy music through the vehicle's speakers • FRONT PANEL USB PORT - gives direct connect for memory devices w/USB interface, to play stored music and/or charge the device and have iPod® control through the radio • Output Power: 45 Watts x 4 Channel • Sound Quality (SQ) Function • Separate Bass, Treble, Balance and Fader Controls • LED Display Lighting • 6 AM/12 FM/18 SXM Preset Buttons • Built-in Quartz Clock *Satellite Radio Antenna sold separately - Part No. PP802458 or SRTMM-02 **Bluetooth® Microphone sold separately - Part No. PP603846 or PP604240



Made for iPhone | iPod



AM/FM/MP3/WMA CD PLAYER WITH FRONT PANEL USB PORT

AND PANDORA® LINK (iOS 6 OR ABOVE)

PART NUMBER: **CQRX660U**

AVAILABLE WHILE SUPPLIES LAST

FEATURES: Front Auxiliary Input (Music Port) - plug in a smart device to enjoy your music through the vehicle's speakers • FRONT PANEL USB PORT - gives a direct connect location for memory devices w/USB interface, to play stored music and/or charge the device and have iPod® control through the radio • Pandora® Link - install the latest version of the Pandora application on your device (iPhone/iPod touch), create an account then connect your device to the USB input terminal on the radio and log in to Pandora * Pandora on this radio only supports iPhone/iPod touch with iOS 6 or above and connected via USB terminal (radio does not support Android systems) • CD Player • MP3 Playback • WMA Playback • Output Power: 50 Watts x 4 Channels • 2 Pre-amp Outputs • Sound Quality (SQ) Function - select the sound type (Flat, Rock, Pop and Vocal) • Separate Bass, Treble, Balance and Fade Controls • 6 AM/18 FM Radio Preset Buttons • LED Display Lighting with Red Illumination • Built-in Quartz Clock

ProAudio



Made for iPhone | iPod

AM / FM CD PLAYER WITH FRONT PANEL USB PORT & REMOTE CONTROL
PART NUMBER: **PP107233**

FEATURES: Front Auxiliary Input (Music Port) • Front Panel USB - iPod® / iPhone® support as well as FLAC 48k / 16 bit support • Playback of MP3 / WMA / WAV / FLAC Files • ID-3 Tag Red / White Display • English or Spanish Display Language • Maximum Output Power: 50 Watts x 4 Channel (MOSFET Power IC) • 3 Band EQ • Separate Bass, Treble, Balance and Fade Controls • 1 Rear / Subwoofer Pre-out @ 2.5 Volt • 6 Preset Buttons to store Radio Stations for Direct Access tuning • Features Clock and Date (month⇒day⇒year or day⇒month⇒year format) • **REMOTE CONTROL** included • ISO connect radio harness (part number PP207272) is included



Made for iPhone | iPod



AM / FM CD PLAYER WITH BUILT-IN BLUETOOTH AND FRONT PANEL USB PORT
PART NUMBER: **PP107234**

FEATURES: Built-in Bluetooth® profile for Audio Streaming and/or Hands-Free phone operation (utilizing remote microphone, included) • Up to five devices can be registered (paired) to radio • A maximum of two Bluetooth® phones and one Bluetooth® audio device can be connected at any time • Front Auxiliary Input (Music Port) • Front Panel USB - 96k / 24 bit FLAC / WAV • iAP2 support for Apple® Music and iTunes® Radio • Spotify and Pandora Ready • ID-3 Tag Blue / White Display • English, French or Spanish Display Language • Output Power: 50 Watts x 4 Channel • DSP - 13 Band EQ / Time Alignment • Separate Bass, Treble, Balance and Fader Controls • 1 Pre-out @ 2.5 Volt • 6 AM / 18 FM Preset Buttons for Direct access tuning • Features Clock and Date (month⇒day⇒year or day⇒month⇒year format) • Dimmer and Brightness Settings • ISO connect radio harness (part number PP207272) is included



Made for iPhone | iPod



MECHLESS

AM / FM STEREO RECEIVER WITH BUILT-IN BLUETOOTH, FRONT PANEL USB PORT AND SIRIUSXM READY
PART NUMBER: **PP107235**

FEATURES: SiriusXM® Satellite Radio Ready* • Built-in Bluetooth® profile for Audio Streaming and/or Hands-Free phone operation (utilizing remote microphone, included) • Up to five devices can be registered (paired) to radio • A maximum of two Bluetooth® phones and one Bluetooth® audio device can be connected at any time • Front Auxiliary Input (Music Port) • Front Panel USB - 96k / 24 bit FLAC / WAV • iAP2 support for Apple® Music and iTunes® Radio • Spotify and Pandora Ready • ID-3 Tag Blue / White Display • English, French or Spanish Display Language • Output Power: 50 Watts x 4 Channel • DSP - 13 Band EQ / Time Alignment • Separate Bass, Treble, Balance and Fader Controls • 3 Pre-out @ 2.5 Volt • 6 AM / 18 FM Preset Buttons for Direct access tuning • Features Clock and Date (month⇒day⇒year or day⇒month⇒year format) • Dimmer and Brightness Settings • Remote Control Ready (Remote sold separately) • ISO connect radio harness (part number PP207272) is included

*To receive SXM Satellite Radio programming a subscription, tuner and SXM antenna are required - Part No. SXV300B (SiriusXM External Tuner) or Part No. SXV300 (SiriusXM External Tuner plus antenna) - sold separately



FOR HINO TRUCKS

AM / FM CD PLAYER WITH BUILT-IN BLUETOOTH AND FRONT PANEL USB PORT WITH HINO HARNESS

PART NUMBER: **PP107236**

FEATURES: See full features of the PP107234 on page 8 • Hino Harness (part number PP207262) is included



FOR HINO TRUCKS MECHLESS

AM / FM STEREO RECEIVER WITH BUILT-IN BLUETOOTH, FRONT PANEL USB PORT AND SIRIUSXM READY

PART NUMBER: **PP107237**

FEATURES: See full features of the PP107235 on page 8 • Hino Harness (part number PP207262) is included



RADIO ACCESSORIES



AUX-INPUT JACK
ISO-DIN STYLE RADIO CONNECTOR

PANAPACIFIC

3.5mm STEREO JACK FOR AUX INPUT
PART NUMBER: **PP202649**

FEATURES: Harness for remotely located auxiliary input jack • Works ONLY when plugged into the rear of an ISO-Din style radio (C cavity) • 3-foot cable

• APTIV •

MOTOROLA TO FAKRA ADAPTER CABLE
PART NUMBER: **PP207236**

FEATURES: AM / FM Radio Antenna Adapter • Fakra Jack code B to Motorola DIN socket Connector • Six-inch cable • Works with APTIV radio models **NOTE:** This adapter cable will be included with each APTIV radio model until OEM truck manufacturers change wiring from Motorola to FAKRA.



ProAudio

RADIO HARNESS FOR HINO TRUCKS
PART NUMBER: **PP207262**

FEATURES: Use with PP107236 & PP107237 radios for installation in to Hino trucks



ProAudio

ISO CONNECT RADIO HARNESS
PART NUMBER: **PP207272**

FEATURES: 9-inch ISO connect radio harness • Use with PP107233, PP107234 and



PP107235 ProAudio radios **NOTE:** This radio harness is included with the ProAudio radios (PP107233, PP107234 and PP107235) to provide a 16 Pin ISO connector (truck) to the radio connector. This is the individual harness - for replacement purposes.

peiker

BLUETOOTH® MICROPHONE KIT
PART NUMBER: **PP603846**

FEATURES: Works w/ Bluetooth® feature of select radios • Designed to fit into a standard 1" wide by 2" tall switch mounting hole in the instrument panel of commercial vehicles • The 12' cable w/ connector that plugs into the back of the radio



DELPHI

HANDHELD REMOTE CONTROL
PART NUMBER: **PP603988**

FEATURES: Control major radio features from a remote control • Compatible with select Delphi radios



peiker

BLUETOOTH® MICROPHONE KIT
PART NUMBER: **PP604240**

FEATURES: Works w/ Bluetooth® feature of select radios • Designed to be secured to a surface by use of double sided adhesive tape and is 3/4" wide by 1-5/8" tall; it does not need any sort of hole in the instrument panel • 7.5' cable w/ connector that plugs into the back of the radio



ProAudio

BLUETOOTH® MICROPHONE FOR USE WITH PP107234, PP107235, PP107236 AND PP107237 RADIOS
PART NUMBER: **T9B-0073-00**

FEATURES: Works w/ Bluetooth® feature of the following radios: PP107234, PP107235, PP107236 and PP107237 • Clip style or surface mount with 360 degree position adjustment • Double stick tape for surface mount included • 10' cable w/ connector that plugs into the back of the radio



SPEAKERS



Panasonic

4" TWO-WAY AUDIO SPEAKERS
PART NUMBER: **CJA1023**

FEATURES: Sold in pairs with grills, wire and hardware • Two-Way Coaxial Speakers - accurately reproduce full range sound • 4" Speaker Diameter - fits in vehicle as a replacement part to an OEM 4" speaker • Peak Power Rating: 80W • Frequency Range: 45 Hz-22 kHz • Frequency Response: 90 dB SPL • Shallow Mounting Depth: 1.626" • High Rigidity Polypropylene Cone - these speakers are made for durability and great quality



Panasonic

5-1/4" TWO-WAY AUDIO SPEAKERS
PART NUMBER: **CJA1323**

FEATURES: Sold in pairs with grills, wire and hardware • Two-Way Coaxial Speakers - accurately reproduce full range sound • 5-1/4" Speaker Diameter - fits in vehicle as a replacement part to an OEM 5-1/4" speaker • Peak Power Rating: 120W • Frequency Range: 40 Hz-22 kHz • Frequency Response: 91 dB SPL • Shallow Mounting Depth: 1.673" • High Rigidity Polypropylene Cone - these speakers are made for durability and great quality



Panasonic

6-1/2" TWO-WAY AUDIO SPEAKERS
PART NUMBER: **CJA1623**

FEATURES: Sold in pairs with grills, wire and hardware • Two-Way Coaxial Speakers - accurately reproduce full range sound • 6-1/2" Speaker Diameter - fits in vehicle as a replacement part to an OEM 6-1/2" speaker • Peak Power Rating: 160W • Frequency Range: 35 Hz-22 kHz • Frequency Response: 92 dB SPL • Shallow Mounting Depth: 1.661" • High Rigidity Polypropylene Cone - these speakers are made for durability and great quality

CORE COMMUNICATION

ANTENNAS

ANTENNA MOUNTS



ANTENNA FITTING
PART NUMBER: **EV301**
FEATURES: Stud Mount



BARREL SHOCK SPRING
PART NUMBER: **EV305**
FEATURES: Chrome with 1" Long Stud



HORIZONTAL MOUNT
PART NUMBER: **EV332**
FEATURES: Aluminum with SO-239 Fitting



MIRROR OR BOLT MOUNT
PART NUMBER: **EV352**
FEATURES: Aluminum with SO-239 Fitting



FOR
FREIGHTLINER
CASCADIA

MIRROR BRACKET ANTENNA
MOUNTING BAR
PART NUMBER: **PP604228**
FEATURES: Easy to install and uninstall • Dimensions:
8.5 inches long • Coarse diamond knurl for grip • Screw:
M8x1.25 • Constructed of stainless steel



ANTENNA FITTING CONNECTOR
PART NUMBER: **PS302**
FEATURES: SO-239



SHOCK BASE SPRING
PART NUMBER: **PS304**
FEATURES: Stainless Steel with 1" Long Stud



3-WAY MIRROR MOUNT
PART NUMBER: **PS322**
FEATURES: Aluminum with SO-239 Fitting

CB ANTENNAS



57" CB ANTENNA - WHITE
PART NUMBER: **C27-0**
FEATURES: Base Loaded • 17-7 ph Stainless Steel Whip •
Taper Ground • 3/8 x 24 Threaded Ferrule
MADE IN THE USA



57" CB ANTENNA - BLACK
PART NUMBER: **C27-0-BLACK**
FEATURES: Base Loaded • 17-7 ph Stainless Steel Whip •
Taper Ground • 3/8 x 24 Threaded Ferrule
MADE IN THE USA



MAGNETIC MOUNT CB ANTENNA KIT
PART NUMBER: **JBC150M**
FEATURES: 25 Watt rated • Virtually unbreakable
conductive rubber CB antenna • Flexible and tough - great
for high stress areas • 14-1/2" total height • Easy tuning
with base tuning ring design • Fits Standard 3/8-24
thread mounts • Kit includes 3" heavy-duty chrome magnet
mount with 12-foot RG58 coax and molded PL259 connector



45" MAGNETIC MOUNT CB ANTENNA
PART NUMBER: **MM1012**
FEATURES: Stainless Steel Whip • 45" High • 18' Cable
with PL259 Connector • 8 oz. Magnet • MADE IN THE USA



36" MAGNETIC MOUNT CB ANTENNA
PART NUMBER: **PC36**
FEATURES: 17-7 Stainless Steel Whip • 300W Rated • 3"
Black Powder Coated Magnet Mount • 15' Low Loss RG58
Coax w/PL259 Connector • Factory Tuned and Adjustable
• MADE IN THE USA



48" "NO GROUND" CB ANTENNA KIT
PART NUMBER: NGP1
FEATURES: Made for Fiberglass Vehicles • 48" High • Includes Bracket, Cable & Hardware • **MADE IN THE USA**



48" SINGLE ANTENNA WITH BRACKET, CABLE & HARDWARE - WHITE
PART NUMBER: SSL4
FEATURES: S.W.R. below 1.5:1 across all 40 channels • Broad tuning range 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • Weather Band FM frequency trap • 1500W Rating • 1 Wave • **MADE IN THE USA**



48" SINGLE CB ANTENNA WITH BRACKET, CABLE & HARDWARE - WHITE
PART NUMBER: TSL4
FEATURES: Pre-Tuned "SUPERFLEX" CB Replacement Antenna • Handles Up to 1000 Watts Power • 'FM Weather Band Frequency Trap' to dramatically improve reception on CBs w/ Weather Band • Broad tuning range: 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • 1000W Rating • 3/4 Wave • **MADE IN THE USA**



48" SINGLE CB ANTENNA WITH BRACKET, CABLE & HARDWARE - BLACK
PART NUMBER: TSL4BK
FEATURES: Pre-Tuned "SUPERFLEX" CB Replacement Antenna • Handles Up to 1000W Power • 'FM Weather Band Frequency Trap' to dramatically improve reception on CBs w/ Weather Band • Broad tuning range: 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • 1000 Watt Rating • 3/4 Wave • **MADE IN THE USA**



36" POWER RATED CB ANTENNA - BLACK
PART NUMBER: ST-3-BLACK
FEATURES: S.W.R. below 1.5:1 across all 40 channels • Broad tuning range 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • Weather Band FM frequency trap • 1500W Rating • 1 Wave • **MADE IN THE USA**



24" POWER RATED CB ANTENNA - WHITE
PART NUMBER: TSM2
FEATURES: Exclusive "VibraSorb" anti-breakage design improves life of product • Broad tuning range: 26.000 to 29.500 MHz • 1000W Rating • Fiberglass mast joined to nickel plated brass ferrule provides a durable and quality product to last longer • Soldered at one point and then epoxy adhesive 360 degrees around base of antenna • **MADE IN THE USA**



48" POWER RATED CB ANTENNA - BLACK
PART NUMBER: ST-4-BLACK
FEATURES: S.W.R. below 1.5:1 across all 40 channels • Broad tuning range 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • Weather Band FM frequency trap • 1500 Watt Rating • 1 Wave • **MADE IN THE USA**



24" POWER RATED CB ANTENNA - BLACK
PART NUMBER: TSM2BLK
FEATURES: Exclusive "VibraSorb" anti-breakage design improves life of product • Broad tuning range: 26.000 to 29.500 MHz • 1000W Rating • Fiberglass mast joined to nickel plated brass ferrule provides a durable and quality product to last longer • Soldered at one point and then epoxy adhesive 360 degrees around base of antenna • **MADE IN THE USA**



48" DUAL CB ANTENNA SYSTEM WITH BRACKETS, CABLE & HARDWARE - WHITE
PART NUMBER: STL4
FEATURES: S.W.R. below 1.5:1 across all 40 channels • Broad tuning range 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • Weather Band FM frequency trap • 1500W Rating • 1 Wave • **MADE IN THE USA**



36" POWER RATED CB ANTENNA - WHITE
PART NUMBER: TSM3
FEATURES: 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • 1000 Watt Rating • 3/4 Wave • **MADE IN THE USA**



48" TOP-LOAD TUNABLE-TIP CB ANTENNA
PART NUMBER: STT4
FEATURES: 3/8" Fiberglass Rod • 48" High • 1 Wave • Rugged & Powerful • Generic packaging • 1500W Rating • **MADE IN THE USA**



36" POWER RATED CB ANTENNA - BLACK
PART NUMBER: TSM3BLK
FEATURES: 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • 1000W Rating • 3/4 Wave • **MADE IN THE USA**

CORE COMMUNICATION

CB ANTENNAS - BULK



42" POWER RATED CB ANTENNA - WHITE
PART NUMBER: TSM3.5
FEATURES: 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • 1000W Rating • 3/4 Wave • **MADE IN THE USA**



48" POWER RATED CB ANTENNA - WHITE
PART NUMBER: TSM4
FEATURES: 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • 1000W Rating • 3/4 Wave • **MADE IN THE USA**



48" POWER RATED CB ANTENNA - BLACK
PART NUMBER: TSM4BLACK
FEATURES: 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • 1000W Rating • 3/4 Wave • **MADE IN THE USA**



24" DUAL CB ANTENNA SYSTEM WITH BRACKETS, CABLE & HARDWARE - WHITE
PART NUMBER: TTL-2-PL-WHITE
FEATURES: Pre-Tuned "SUPERFLEX" CB Replacement Antenna • Handles Up to 1000W Power • 'FM Weather Band Frequency Trap' to dramatically improve reception on CBs with Weather Band • SO239 stud / PL259 Connectors • Broad tuning range: 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • 1000 Watt Rating • 3/4 Wave • **MADE IN THE USA**



48" DUAL CB ANTENNA SYSTEM WITH BRACKETS, CABLE & HARDWARE - WHITE
PART NUMBER: TTL4
FEATURES: Pre-Tuned "SUPERFLEX" CB Replacement Antennas • Handles Up to 1000W Power • 'FM Weather Band Frequency Trap' to dramatically improve reception on CBs with Weather Band • Broad tuning range: 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • 1000 Watt Rating • 3/4 Wave • Ring Terminal Connectors • **MADE IN THE USA**



48" DUAL ANTENNA SYSTEM WITH BRACKETS, CABLE & HARDWARE - BLACK
PART NUMBER: TTL4BK
FEATURES: Pre-Tuned "SUPERFLEX" CB Replacement Antenna • Handles Up to 1000W Power • 'FM Weather Band Frequency Trap' to dramatically improve reception on CBs w/ Weather Band • Broad tuning range: 26.000 to 29.500 MHz • Exclusive "VibraSorb" anti-breakage design • 1000 Watt Rating • 3/4 Wave • Ring Terminal Connectors • **MADE IN THE USA**



POWER RATED BULK CB ANTENNAS

24" POWER RATED CB ANTENNA - WHITE - 50 PACK BULK

PART NUMBER: TSM2PS

FEATURES: • Made in the USA • Exclusive "VibraSorb" Anti-breakage Design - improves life of product • Broad Tuning Range: 26.000 to 29.500 MHz • 1000 Watt Rating • 3/8-24 Thread - compatible to fit on any mount • Fiberglass Mast joined to Nickel Plated Brass Ferrule - durable and quality materials to last longer • Soldered at one point and then epoxy adhesive 360° around base of antenna

24" POWER RATED CB ANTENNA - BLACK - 50 PACK BULK

PART NUMBER: TSM2PSB

FEATURES: Exclusive "VibraSorb" Anti-breakage Design - improves life of product • Broad Tuning Range: 26.000 to 29.500 MHz • 1000 Watt Rating • 3/8-24 Thread - compatible to fit on any mount • Fiberglass Mast joined to Nickel Plated Brass Ferrule - durable & quality materials to last longer • Soldered at one point and then epoxy adhesive 360° around base of antenna • **MADE IN THE USA**

36" POWER RATED CB ANTENNA - WHITE - 50 PACK BULK

PART NUMBER: TSM3PS

FEATURES: Exclusive "VibraSorb" Anti-breakage Design - improves life of product • Broad Tuning Range: 26.000 to 29.500 MHz • 1000 Watt Rating - gives desired amount of power • 3/8-24 Thread - compatible to fit on any mount • Fiberglass Mast joined to Nickel Plated Brass Ferrule - durable and quality materials to last longer • Soldered at one point and then epoxy adhesive 360° around base of antenna • **MADE IN THE USA**

36" POWER RATED CB ANTENNA - BLACK - 50 PACK BULK

PART NUMBER: TSM3PSB

FEATURES: Exclusive "VibraSorb" Anti-breakage Design - improves life of product • Broad Tuning Range: 26.000 to 29.500 MHz • 1000 Watt Rating - gives desired amount of power • 3/8-24 Thread - compatible to fit on any mount • Fiberglass Mast joined to Nickel Plated Brass Ferrule - durable and quality materials to last longer • Soldered at one point and then epoxy adhesive 360° around base of antenna • **MADE IN THE USA**

48" POWER RATED CB ANTENNA - WHITE - 50 PACK BULK

PART NUMBER: TSM4PS

FEATURES: Exclusive "VibraSorb" Anti-breakage Design - improves life of product • Broad Tuning Range: 26.000 to 29.500 MHz • 1000 Watt Rating - gives desired amount of power • 3/8-24 Thread - compatible to fit on any mount • Fiberglass Mast joined to Nickel Plated Brass Ferrule - durable and quality materials to last longer • Soldered at one point and then epoxy adhesive 360° around base of antenna • **MADE IN THE USA**

48" POWER RATED CB ANTENNA - BLACK - 50 PACK BULK

PART NUMBER: TSM4PSB

FEATURES: Exclusive "VibraSorb" Anti-breakage Design - improves life of product • Broad Tuning Range: 26.000 to 29.500 MHz • 1000 Watt Rating - gives desired amount of power • 3/8-24 Thread - compatible to fit on any mount • Fiberglass Mast joined to Nickel Plated Brass Ferrule - durable and quality materials to last longer • Soldered at one point and then epoxy adhesive 360° around base of antenna • **MADE IN THE USA**

MULTI-BAND ANTENNAS



48" FULL SPECTRUM MULTI-BAND 1/4" ROD ANTENNA MIRROR MOUNT - BLACK
 PART NUMBER: **FSMS1**
 FEATURES: This Multi-Band Replacement Antenna combines AM/FM, Weatherband (WX) and citizens band (CB) frequencies on one single antenna • This antenna's unique multiple "TRAPS" are integrated onto the fiberglass rod allowing "MAXIMUM GAIN" for full signal strength on all frequencies • Works on trucks with multi-band antenna systems installed at the factory or at the dealer • MADE IN THE USA



42" FULL SPECTRUM MULTI-BAND 1/4" ROD ANTENNA SIDE MOUNT - BLACK
 PART NUMBER: **FSMS3**
 FEATURES: This Multi-Band Replacement Antenna combines AM/FM, Weatherband (WX) and citizens band (CB) frequencies on one single antenna • This antenna's unique multiple "TRAPS" are integrated onto the fiberglass rod allowing "MAXIMUM GAIN" for full signal strength on all frequencies • Works on trucks with multi-band antenna systems installed at the factory or at the dealer • MADE IN THE USA



42" FULL SPECTRUM MULTI-BAND 3/8" ROD ANTENNA SIDE MOUNT - BLACK
 PART NUMBER: **FSMS4**
 FEATURES: This Multi-Band Replacement Antenna combines AM/FM, Weatherband (WX) and citizens band (CB) frequencies on one single antenna • This antenna's unique multiple "TRAPS" are integrated onto the fiberglass rod allowing "MAXIMUM GAIN" for full signal strength on all frequencies • Works on trucks with multi-band antenna systems installed at the factory or at the dealer • LESS WIND NOISE • MADE IN THE USA

RADIO ANTENNAS & PARTS



HEADLINER MOUNT AM/FM & WEATHER BAND ANTENNA
 PART NUMBER: **EVAML**
 FEATURES: Design provides a tremendous increase in your AM reception • Ideal for trucks with fiberglass/composite roofs or sleepers • Antenna mounts above the headliner so there are no holes to drill



ADJUSTABLE MOUNT AM/FM ANTENNA
 PART NUMBER: **FM100**
 FEATURES: Stainless Steel • Spring Loaded • 31" Mast • 60" Cable • Universal Fit



12" AM/FM ANTENNA CABLE EXTENSION
 PART NUMBER: **L-12**



24" AM/FM ANTENNA CABLE EXTENSION
 PART NUMBER: **L24**



ADJUSTABLE AM/FM ANTENNA
 PART NUMBER: **PPC00358**
 FEATURES: Spring Coiled • 11" Rubber Mast • 60" Cable



DUAL-BASE SIDE MOUNT AM/FM ANTENNA
 PART NUMBER: **RAD4120**
 FEATURES: Stainless Steel • Four Sections • 84" Mast • 120" Cable • Universal Fit



DUAL-BASE SIDE MOUNT AM/FM ANTENNA
 PART NUMBER: **SC175120L**
 FEATURES: Stainless Steel • Three Sections • 60" Mast • 128" Cable



DUAL-BASE SIDE MOUNT AM/FM ANTENNA
 PART NUMBER: **SCA-96**
 FEATURES: Stainless Steel • Four Sections • 84" Mast • 96" Cable



WEST COAST MIRROR MOUNT AM/FM ANTENNA
 PART NUMBER: **TR100**
 FEATURES: Stainless Steel • 30" Mast including spring • 84" Cable • Mount clamps onto a West Coast Mirror Arm • Ideal for applications where the antenna cannot be mounted on the roof.

TELEVISION ANTENNAS



HEADLINER MOUNT MOBILE TV ANTENNA
 PART NUMBER: **EVTV5**
 FEATURES: Ideal for fiberglass roofs - no holes to drill • Flexible "rabbit ears" pull in weak signals • Complete with 12' of coax cable and connectors

CORE COMMUNICATION

DRIVER EXTREME PRODUCTS

CB ANTENNAS - 38 SPECIAL



CLOSE UP OF TIP



DRIVER EXTREME 42" 38 SPECIAL FIBERGLASS CB ANTENNA - BLACK
PART NUMBER: DRX-5421
FEATURES: Dual 26 Gauge Solid Copper Insulated Wires • 3/8" Diameter U.S. Made Fiberglass Rod • 400 Maximum Watt Rated • 200 Watt Rated – 30" & 36" • 300 Watt Rated – 42" & 48" • 400 Watt Rated – 54" & 60" • Frequency Range • CB ~ 26 – 29 MHz • Weather ~ 162 – 166 MHz • Weather Band Ready – NOAA Alert • Chrome Plated Brass Ferrule with 3/8-24 Thread • Factory Tuned – No Adjustment Required



CLOSE UP OF TIP



DRIVER EXTREME 54" 38 SPECIAL FIBERGLASS CB ANTENNA - BLACK
PART NUMBER: DRX-5541
FEATURES: Dual 26 Gauge Solid Copper Insulated Wires • 3/8" Diameter U.S. Made Fiberglass Rod • 400 Maximum Watt Rated • 200 Watt Rated – 30" & 36" • 300 Watt Rated – 42" & 48" • 400 Watt Rated – 54" & 60" • Frequency Range • CB ~ 26 – 29 MHz • Weather ~ 162 – 166 MHz • Weather Band Ready – NOAA Alert • Chrome Plated Brass Ferrule with 3/8-24 Thread • Factory Tuned – No Adjustment Required



CLOSE UP OF TIP



DRIVER EXTREME 60" 38 SPECIAL FIBERGLASS CB ANTENNA - BLACK
PART NUMBER: DRX-5601
FEATURES: Dual 26 Gauge Solid Copper Insulated Wires • 3/8" Diameter U.S. Made Fiberglass Rod • 400 Maximum Watt Rated • 200 Watt Rated – 30" & 36" • 300 Watt Rated – 42" & 48" • 400 Watt Rated – 54" & 60" • Frequency Range • CB ~ 26 – 29 MHz • Weather ~ 162 – 166 MHz • Weather Band Ready – NOAA Alert • Chrome Plated Brass Ferrule with 3/8-24 Thread • Factory Tuned – No Adjustment Required



CLOSE UP OF TIP



DRIVER EXTREME 40" SILVER BULLET FIBERGLASS CB ANTENNA - BLACK
PART NUMBER: DRX-4401
FEATURES: Fingertip Tuning – No Tools Necessary • 15 Gauge Solid Copper High Voltage Insulated Wire • 1/2" Diameter U.S. Made Fiberglass Rod • 1500 Maximum Watt Rated • 1000 Watt Rated – 30" & 36" • 1250 Watt Rated – 42" & 48" • 1500 Watt Rated – 54", 60" & 66" • Extreme Bandwidth Frequency Range • CB ~ 26 – 29 MHz • AM/FM ~ 88 – 108 MHz • Weather ~ 162 – 166 MHz • Weather Band Ready – NOAA Alert • Stainless Steel Tuning Tip & 3/8-24 Thread Base Stud



CLOSE UP OF TIP



DRIVER EXTREME 48" SILVER BULLET FIBERGLASS CB ANTENNA - BLACK
PART NUMBER: DRX-4481
FEATURES: Fingertip Tuning – No Tools Necessary • 15 Gauge Solid Copper High Voltage Insulated Wire • 1/2" Diameter U.S. Made Fiberglass Rod • 1500 Maximum Watt Rated • 1000 Watt Rated – 30" & 36" • 1250 Watt Rated – 42" & 48" • 1500 Watt Rated – 54", 60" & 66" • Extreme Bandwidth Frequency Range • CB ~ 26 – 29 MHz • AM/FM ~ 88 – 108 MHz • Weather ~ 162 – 166 MHz • Weather Band Ready – NOAA Alert • Stainless Steel Tuning Tip & 3/8-24 Thread Base Stud



CLOSE UP OF TIP



DRIVER EXTREME 56" SILVER BULLET FIBERGLASS CB ANTENNA - BLACK
PART NUMBER: DRX-4561
FEATURES: Fingertip Tuning – No Tools Necessary • 15 Gauge Solid Copper High Voltage Insulated Wire • 1/2" Diameter U.S. Made Fiberglass Rod • 1500 Maximum Watt Rated • 1000 Watt Rated – 30" & 36" • 1250 Watt Rated – 42" & 48" • 1500 Watt Rated – 54", 60" & 66" • Extreme Bandwidth Frequency Range • CB ~ 26 – 29 MHz • AM/FM ~ 88 – 108 MHz • Weather ~ 162 – 166 MHz • Weather Band Ready – NOAA Alert • Stainless Steel Tuning Tip & 3/8-24 Thread Base Stud

CB ANTENNAS - SILVER BULLET



CLOSE UP OF TIP



DRIVER EXTREME 32" SILVER BULLET FIBERGLASS CB ANTENNA - BLACK
PART NUMBER: DRX-4321
FEATURES: Fingertip Tuning – No Tools Necessary • 15 Gauge Solid Copper High Voltage Insulated Wire • 1/2" Diameter U.S. Made Fiberglass Rod • 1500 Maximum Watt Rated • 1000 Watt Rated – 30" & 36" • 1250 Watt Rated – 42" & 48" • 1500 Watt Rated – 54", 60" & 66" • Extreme Bandwidth Frequency Range • CB ~ 26 – 29 MHz • AM/FM ~ 88 – 108 MHz • Weather ~ 162 – 166 MHz • Weather Band Ready – NOAA Alert • Stainless Steel Tuning Tip & 3/8-24 Thread Base Stud



CLOSE UP OF TIP



DRIVER EXTREME 66" SILVER BULLET FIBERGLASS CB ANTENNA - BLACK
PART NUMBER: DRX-4661
FEATURES: Fingertip Tuning – No Tools Necessary • 15 Gauge Solid Copper High Voltage Insulated Wire • 1/2" Diameter U.S. Made Fiberglass Rod • 1500 Maximum Watt Rated • 1000 Watt Rated – 30" & 36" • 1250 Watt Rated – 42" & 48" • 1500 Watt Rated – 54", 60" & 66" • Extreme Bandwidth Frequency Range • CB ~ 26 – 29 MHz • AM/FM ~ 88 – 108 MHz • Weather ~ 162 – 166 MHz • Weather Band Ready – NOAA Alert • Stainless Steel Tuning Tip & 3/8-24 Thread Base Stud

DRIVER EXTREME PRODUCTS

CB ANTENNA CABLES



DRIVER EXTREME PREMIUM MINI 213™ CABLES WITH DX259 CONNECTOR

- 9-FOOT CABLE
PART NUMBER: **DRX-1509**
- 12-FOOT CABLE
PART NUMBER: **DRX-1512**
- 18-FOOT CABLE
PART NUMBER: **DRX-1518**

FEATURES: M213 uses an ultra-fine high strand count pure copper center conductor. No copper plated aluminum or steel conductors here. Pure copper assures minimal series resistance, which is what it takes to maximize power transfer without loss. The fine strand count means more surface area and greater flexibility. • M213 Quantum-Flex double shielded coax breaks all of the rules. Modern poly dielectrics and a state of the art manufacturing processes offers improved flexibility without any reduction in power handling. M213 handles the power and holds its impedance even when bent unlike similar sized foam dielectric cables. • M213's double shielding eliminates unwanted signal leakage and by not bonding the foil to the poly dielectric, thermal loss is reduced, flexibility is improved and cable termination is even simpler. • Using the standard of RG213, but reducing the diameter, doubling the shielding and applying modern dielectric material - the overall flexibility is improved. Driver Extreme M213 coax sets the standard for maximizing your system's performance.



DRIVER EXTREME HEAVY-DUTY 3-PIN POWER CORD
PART NUMBER: **DRX-7110**
FEATURES: 6' Heavy-Duty Cord • 14 Gauge Copper Conductor • Replaceable 8 Amp Inline Fuse • Standard 3-Pin CB Radio Plug



DRIVER EXTREME HEAVY-DUTY 3-PIN POWER CORD WITH 12V PLUG
PART NUMBER: **DRX-7120**
FEATURES: 6' Heavy-Duty Cord • 14 Gauge Copper Conductor • Replaceable Internal 8 Amp Fuse • Standard 3-Pin CB Radio Plug • Durable Male 12 Volt Plug with LED Power Indicator & Sure-Fit Dual Spring Clips

CB ANTENNA MOUNTS



DRIVER EXTREME STAINLESS STEEL MOUNTING BAR FOR VOLVO
PART NUMBER: **DRX-1750**
FEATURES: Driver Extreme's DX stainless steel bar

mounts come with heavy duty knurl for firm, long-term grip. The 5/8" diameter of the bar is made to handle all antenna designs existing in the marketplace today. • 4.5" M8 Thread Mount • Best for Top-of-Cab mount positions • The shorter length bars are made for top-of-cab mounting. For Volvo/Mack and older truck models where the mirror design is normally a top-of-cab bolt location, this 4.5" M8 thread mounting bar is ideal.



DRIVER EXTREME STAINLESS STEEL MOUNTING BAR FOR FREIGHTLINER
PART NUMBER: **DRX-1850**

FEATURES: Driver Extreme's DX stainless steel bar mounts come with heavy duty knurl for firm, long-term grip. The 5/8" diameter of the bar is made to handle all antenna designs existing in the marketplace today. • 6.5" M8 Thread Mount • Best for Lower and Back-of-Cab mount positions • The longer length bars are made for lower cab and back-of-cab mounting. For those trucks that have a more aerodynamic mirror design, like Freightliner Cascadia and Navistar LT series, the longer stainless-steel mounting bar, such as this 6.5" M8 thread, fits the application best. The longer bar is perfect for back-of-cab mounting to enable clearance of the cab's airdam.



DRIVER EXTREME STAINLESS STEEL MOUNTING BAR FOR SPOT MIRROR
PART NUMBER: **DRX-1950**

FEATURES: Driver Extreme's DX stainless steel bar mounts come with heavy duty knurl for firm, long-term grip. The 5/8" diameter of the bar is made to handle all antenna designs existing in the marketplace today. • 6" M6 Thread Mount • Best for Spot Mirror mount locations or M6 thread needs • For top-of-cab spot mirror location mountings or any location that requires an M6 thread, this 6" M6 thread mounting bar is ideal.



DRIVER EXTREME HEAVY-DUTY ANTENNA STUD
PART NUMBER: **DRX-2390**

FEATURES: Proprietary designed DX239 heavy-duty stud • Threaded female nut made of stainless steel and encased in ABS plastic for added support • Stainless steel center stud inside of a 1" plated aluminum hex base



DRIVER EXTREME HEAVY-DUTY STAINLESS STEEL ANTENNA SPRING
PART NUMBER: **DRX-2440**

FEATURES: Made with high quality stainless steel • Superior heavy-duty construction • Corrosion resistant • Protective stainless steel spring caps • Copper braided center conductor • Fits all 3/8" x 24 threaded antennas • 3" tall and 1" wide • Supports antennas 4' and longer



DRIVER EXTREME 1-1/8" C-CHANNEL ANTENNA MOUNT WITH DX239 STUD
PART NUMBER: **DRX-3232**

FEATURES: Fits 1-1/8" Freightliner C-Channel mirror arms • Omni-Grip mount design for 360° holding stability • Made from aircraft quality extruded aluminum • Driver Extreme Exclusive Square-Lock Hardware • Custom designed stainless steel carriage bolts with an extended square shank seat completely into mount bracket eliminating the chance of turning and allowing installation with only one wrench • Stainless steel K-Lock nuts feature an encapsulated lock washer eliminating any chance of losing the washer during installation • Proprietary designed DX239 heavy-duty stud • Threaded female nut made of stainless steel and encased in ABS plastic for added support • Stainless steel center stud inside of a 1" plated aluminum hex base

CORE COMMUNICATION

DRIVER EXTREME PRODUCTS

CB ANTENNA MOUNTS



DRIVER EXTREME 1-1/4" C-CHANNEL ANTENNA MOUNT WITH DX239 STUD
PART NUMBER: DRX-3242
FEATURES: Fits 1-1/4" Mack, Navistar & Volvo C-Channel mirror arms • Omni-Grip mount design for 360° holding stability • Made from aircraft quality extruded aluminum • Driver Extreme Exclusive Square-Lock Hardware •

Custom designed stainless steel carriage bolts with an extended square shank seat completely into mount bracket eliminating the chance of turning and allowing installation with only one wrench • Stainless steel K-Lock nuts feature an encapsulated lock washer eliminating any chance of losing the washer during installation • Proprietary designed DX239 heavy-duty stud • Threaded female nut made of stainless steel and encased in ABS plastic for added support • Stainless steel center stud inside of a 1" plated aluminum hex base



DRIVER EXTREME MAGNUM MIRROR MOUNT WITH DX239 STUD
PART NUMBER: DRX-3402
FEATURES: Extra-large 2.50" wide mount made from .250" thick aircraft quality extruded aluminum designed for larger antennas • Driver Extreme Exclusive Square-Lock Hardware • Custom designed stainless steel carriage bolts with an

extended square shank seat completely into mount bracket eliminating the chance of turning and allowing installation with only one wrench • Stainless steel K-Lock nuts feature an encapsulated lock washer eliminating any chance of losing the washer during installation • Proprietary designed DX239 heavy-duty stud • Threaded female nut made of stainless steel and encased in ABS plastic for added support • Stainless steel center stud inside of a 1" plated aluminum hex base



DRIVER EXTREME FREIGHTLINER P3 CASCADIA MIRROR MOUNT WITH DX239 STUD – FOR 2008-19 CLASSIC CASCADIA
PART NUMBER: DRX-3502
FEATURES: Forward Angle Design with Adjustment 60° (P3) or 40° (P4) • Reduces reflections from the cab for optimal performance from all antenna styles • Heavy-Duty Design for Larger Antennas • Made with 5 gauge aircraft quality aluminum • Mounts on either driver's or passenger's side • Driver Extreme Exclusive Square-Lock Hardware • Custom designed stainless steel

carriage bolts with an extended square shank seat completely into mount bracket eliminating the chance of turning and allowing installation with only one wrench • Stainless steel K-Lock nuts feature an encapsulated lock washer eliminating any chance of losing the washer during installation • Proprietary Designed DX239 Heavy-Duty Stud • Threaded female nut made of stainless steel and encased in ABS plastic for added support • Stainless steel center stud inside of a 1" plated aluminum hex base



DRIVER EXTREME FREIGHTLINER P4 CASCADIA MIRROR MOUNT WITH DX239 STUD – FOR 2017+ NEW CASCADIA
PART NUMBER: DRX-3552
FEATURES: Forward Angle Design with Adjustment 60° (P3) or 40° (P4) • Reduces reflections from the cab for optimal performance from all antenna styles • Heavy-Duty Design for Larger Antennas • Made with 5 gauge aircraft quality aluminum • Mounts on either driver's or passenger's side • Driver Extreme Exclusive Square-Lock Hardware • Custom designed stainless steel

carriage bolts with an extended square shank seat completely into mount bracket eliminating the chance of turning and allowing installation with only one wrench • Stainless steel K-Lock nuts feature an encapsulated lock washer eliminating any chance of losing the washer during installation • Proprietary Designed DX239 Heavy-Duty Stud • Threaded female nut made of stainless steel and encased in ABS plastic for added support • Stainless steel center stud inside of a 1" plated aluminum hex base



DRIVER EXTREME MIRROR ARM ANTENNA MOUNT FOR KENWORTH T680/T880
PART NUMBER: DRX-3682
FEATURES: Fits 2013 & up Kenworth T680/T880 mirror arms • Mounts on either driver's or passenger's side mirror arm • Made of 5mm thick aircraft quality aluminum • Black matte powder coated finish • Stainless steel mounting hardware

included • Proprietary designed DX239 heavy-duty stud • Threaded female nut made of stainless steel and encased in ABS plastic for added support • Stainless steel center stud inside of a 1" plated aluminum hex base



DRIVER EXTREME INTERNATIONAL LT SERIES DOOR HINGE ANTENNA MOUNT
PART NUMBER: DRX-3702
FEATURES: Fits 2017 & up International LT Series Trucks • Mounts on either driver's or passenger's side door hinge • Made of 5mm thick aircraft quality aluminum • Black matte powder coated finish • Stainless steel mounting hardware included • Proprietary designed DX239 heavy-duty stud • Threaded female nut made of stainless steel and encased in ABS plastic for added support • Stainless steel center stud inside of a 1" plated aluminum hex base



DRIVER EXTREME PRODUCTS

CB ANTENNA PARTS



DRIVER EXTREME SWR METER WITH 18" COAX JUMPER
PART NUMBER: **DRX-6030**

FEATURES: Driver Extreme SWR meters are used for calibrating a CB antenna. Tuning your antenna is important because it allows you to get the best

range possible with your antenna, and prevent damage to your CB radio. A CB coax jumper is included to connect the SWR meter to your radio.

CB RADIO PARTS AND ACCESSORIES



DRIVER EXTREME SURE-LOCK MICROPHONE HOLDER
PART NUMBER: **DRX-2020**

FEATURES: Sturdily constructed to stay put and solidly anchor the mic • For use with The Driver Extreme DX656 Noise Cancelling Microphone (Part Number DRX-6560)



DRIVER EXTREME NOISE CANCELING DYNAMIC MICROPHONE
PART NUMBER: **DRX-6560**

FEATURES: Ergonomic Design & Contoured Switch for Comfortable Feel • Acoustically Tuned for Natural Sound and Clarity • Internal Diffuser to Eliminate Breath Pops • Rugged Chrome Plated Grill • Extra-Long Strain Relief for Durability



DRIVER EXTREME UNIVERSAL DC POWER LINE FILTER
PART NUMBER: **DRX-7050**

FEATURES: Filters out line noise and electrical interference • Works universally with CB radios, amateur/marine/business band transceivers, car audio head units and more • Installs between your unit and DC power supply • 0-20 v DC @ 15A continuous – 20A peak • Bi-directional filter – works in either direction • Detailed instructions for optimum results included



DRIVER EXTREME PREMIUM EXTERNAL SPEAKER
PART NUMBER: **DRX-9010**

FEATURES: The Driver Extreme DX901 external speaker was designed specifically as a communications grade product. • The unique reinforced wedge shape acoustically projects the sound and allows for greater versatility of placement. • The DX901 covers the entire range of the human voice accurately providing a natural sound and pleasant tone with extreme clarity. • The domed grille protects the speaker while providing

direct radiation and acting as a wide-angle diffuser. • The rugged but flexible 10' detachable cable uses an advanced geometry to reduce the potential for interference and comes with both straight and right-angled connectors for greater clearance in tight installs. • The DX901 speaker is a very efficient design and plays loudly so you don't have to crank your volume way up. This reduces distortion resulting in a cleaner and clearer sound. • Power Handling: 15 watts nominal • Impedance: 6 ohms • Linear Frequency Response: 150 Hz-6 KHz • Operating Temp: -4° F ~ +140° F • Speaker Cord: 10 Ft. 20 gauge twisted pair low inductance wire • Cord Plugs: 3.5mm straight to right angle • Dimensions: 5.0 in. (W) x 4.5 in. (D) x 4.75 in. (H) • Weight: 2 lbs. 5 oz. (including bracket & screws)



CORE COMMUNICATION

BLUETOOTH® DEVICES



BLUE TIGER

ELITE PLUS BLUETOOTH® CONVERTIBLE HEADSET
MADE FOR PROFESSIONAL DRIVERS
PART NUMBER: **17-130395**

FEATURES: The Elite Plus is an industry first single to dual-ear convertible stereo headset featuring a lightweight body, comfortable FlexBand™, a newly improved FlexMic2™ adjustable boom with mic, industry-leading play/talk time, and the best active noise cancellation technology available today.

Easily converts from a single to a dual-ear stereo headset • Industry-leading advance noise cancellation • Flexible boom mic with mute function • Adjustable headband for premium comfort • 34 Hours of Talk Time • 600 Hours of Standby Time • Multi-media support • Lightweight: Driver Mode (single headset configuration) - 4.3 ounces / Media Mode (dual stereo headset configuration) - 5.3 ounces **NOTE:** This headset's mute capability is limited to use with a cellular device/ mobile phone. It does NOT support the mute function for a laptop or desktop based software. Only the muting of phone calls in HFP is supported currently and only directly by using mute function on that cellular device. Package contents: Elite Plus Headset, Extra Mic Cover, Headset Case, USB Charging Cable and Quick Start Guide



BLUE TIGER

ELITE ULTRA BLUETOOTH® HEADSET
MADE FOR PROFESSIONAL DRIVERS
PART NUMBER: **17-130398**

FEATURES: Even the longest trips are no match for this headset's Bluetooth® 5.0 Technology and Hi-Fi performance speaker that boasts 60 hours of talk time and 1,200 hours of standby time. A flexible headband, incredible range, and top noise cancellation technology means the Elite ULTRA will provide driver comfort and crystal clear call quality.

60 Hour Battery Life • 1200 Hours of Standby Time • Top Noise Cancellation Technology • Hi-Fi Performance Speaker • Flexible Headband • Lightweight - 4.3 oz. • Bluetooth 5.0 • Connect to Siri & Google Assistant • Supports English, French and Spanish speakers • Black chrome accents and tactile rubberized finish **NOTE:** This headset's mute capability is limited to use with a cellular device/ mobile phone. It does NOT support the mute function for laptop or desktop based software. Only the muting of phone calls in HFP is supported currently and only directly by using mute function on that cellular device. Package contents: Elite Ultra Headset, Micro USB Charging Cable, D/C adapter, Extra Mic Cover and Quick Start Guide



BLUE TIGER

ADVANTAGE PLUS BLUETOOTH®
MADE FOR PROFESSIONAL DRIVERS
EXTREMELY RUGGED HEADSET
PART NUMBER: **17-150401-1**

FEATURES: The Blue Tiger Advantage Plus headset provides the HIGHEST level of noise cancellation. The Advantage Plus provides 97% noise reduction for the clearest sound quality and a full 36 hours of talk time.

Lightweight at only 3.2 ounces, with two interchangeable ear cushion options (leather and foam) the Advantage Plus is one of the lightest and most comfortable on-ear professional headsets available. Additionally, the Advantage Plus meets military-grade requirements for ruggedness and durability.

97% Noise Cancellation • 36 hrs Talk Time • 1,000 Hour of Standby Time • Lightweight at only 3.2 ounces • Voice Assistant Enabled - double-tap to activate Siri and Google Assistant • Military Grade: Meets military MIL-STD-810 requirements for ruggedness and durability • Interchangeable Ear Cushions • Bluetooth 5.0 • Voice Prompts in 4 languages **NOTE:** This headset's mute capability is limited to use with a cellular device/ mobile phone. It does NOT support the mute function for a laptop or desktop based software. Only the muting of phone calls in HFP is supported currently and only directly by using mute function on that cellular device. Package contents: Advantage Plus Headset, Micro USB Charging Cable, Extra Mic Cover, Extra Ear Cushion and Quick Start Guide

CB RADIOS



Cobra®

COMPACT CB RADIO WITH DYNAMIC® MIC

PART NUMBER: **19DX IV**

FEATURES: 40 CB channels • Instant Channel 9 and 19 • Electronic Tuning • Heavy-Duty Dynamic® Mic • Illuminated LCD Display • Power On/Off and Volume Control • Compact design • RF Gain adjusts to receive gain in weak and strong signal areas • Squelch Control eliminates background noise in the absence of a signal • 4 Pin Screw-on Microphone Connector for convenient removal of mic for storage and easy reach • Combination S/RF Meter indicates incoming signal strength and output RF power output • CB / PA Screw-On Mic selects CB operation or public address (PA) operation for communication outside of the vehicle w/ PA horn (not supplied) **NOTE: AVAILABLE LATE 2022**



Cobra®

ULTRA COMPACT CB RADIO

PART NUMBER: **19MINICB**

FEATURES: 40 CB channels • 4 Watts RF output power • Instant Channel 9 and 19 • Heavy-Duty Mic • Vox Hands-

free Usage - enable hands-free CB operation to automatically transmit your voice when you speak • Adjustable Receiver Sensitivity - easily adjust RF gain sensitivity or squelch background noise for the best signal • Compact design fits into tight spaces • Auto Power - automatically powers on the 19 MINI when the vehicle is started • Mic Channel Control - easily change channels up or down with mic buttons • Time Out Timer - sets a PPT button timer to prevent accidental channel jamming • External Speaker Jack - compatible with external speakers for voice only communication (for best results use a speaker starting at 15W) • Illuminated LCD Display - illuminated light blue LCD display for bright clear visibility



Cobra®

CB RADIO WITH DYNAMIC® MIC

PART NUMBER: **25LTD**

FEATURES: Front Mic Connector allows installation to be in dash or under dash • 9' Mic Cord for easy reach within any area of the vehicle • 4 Watts AM RF Power Output; the maximum

allowed by law • Tactile Controls allows you to actually feel where the dial is in its rotation without taking your eyes off the road • Instant access to emergency Channel 9 • Adjustable Dynamic® Boost mic for increased voice clarity • PA Capability uses CB radio as a Public Address System w/ PA speaker • Received signals can also be monitored through PA • Dimmer Control adjusts brightness of the front panel, channel display & signal strength meter • Switchable Noise Blanker • RF Gain adjusts to receive gain in weak and strong signal areas



Cobra®

CB RADIO WITH PA CAPABILITY

PART NUMBER: **29LTD**

FEATURES: Dimmer Control adjusts brightness of the front panel, channel display and signal strength meter •

Switchable NB/ANL for increased noise reduction • Front Mic Connector allows convenient installation to be in or under dash • 9' Mic Cord for easy reach within any area of the vehicle • Instant Channel 9 and 19 • Tactile Controls allow you to actually feel where the dial is in its rotation without taking your eyes off the road • Adjustable Dynamic® Boost for increased voice clarity • PA Capability to use CB radio as a Public Address System w/ PA speaker • Received signals can also be monitored through PA for increased noise reduction • 4 Watts AM RF Power Output - the maximum allowed by law • SWR Calibration - allows calibration of antenna system for maximum performance • Delta Tune used to clarify incoming signals



Cobra®

CB RADIO WITH WX INDICATOR
CHROME EDITION
PART NUMBER: **29LTDCHR**

FEATURES: Special Edition Chrome Finish Cabinet & Mic • Dimmer Control adjusts brightness of the front panel,

channel display & signal strength meter • Switchable NB/ANL for increased noise reduction • Front Mic Connector allows convenient installation to be in or under dash • 9' Mic Cord for easy reach within the vehicle • Instant access to emergency Channel 9 & 19 • Tactile Controls • Adjustable Dynamic® Boost for increased voice clarity • PA Capability to use CB radio as a Public Address System w/PA speaker • Received signals can also be monitored through PA for increased noise reduction • 4 Watts AM RF Power Output • SWR Calibration allows calibration of antenna system for peak performance • Delta Tune used to clarify incoming signals

Cobra®

HAND HELD 40 CHANNEL CB RADIO WITH SOUNDTRACKER®
PART NUMBER: **HH50WXST**

FEATURES: Rugged portable CB radio offers instant access to all 40 CB radio channels, 10 Weather channels, Soundtracker® Noise Reduction System for loud and clear communication, all 40 channel scan and dual watch to monitor favorite channels; and an illuminated full-function display for easy readability at night. The radio can be used in a vehicle with the supplied 12 volt cord - 4 Watts power output.



Cobra®

PROFESSIONAL
FULL FEATURE CB RADIO
WITH 4-COLOR DISPLAY
PART NUMBER: **29LX**

FEATURES: Selectable 4-Color

illuminated LCD display allows programming of blue, red, amber or green display • Easily programs 10 CB channels into memory with the touch of a button • Channel scanning of all 40 CB channels • Weather Receiver w/ Scan automatically advances to the next clear weather channel when driving cross-country • Weather Alert Scan automatically scans for active weather alerts in the area • Displays the operating frequency of the CB or weather channel in use • Radio Check Diagnostic provides testing of important radio functions such as RF power, antenna condition and battery voltage • SWR Calibration - allows calibration of the antenna system for maximum performance • Programmable dimmer control • Clock/Timer/Alarm provides a clock/ alarm and on-duty timer **NOTE: AVAILABLE LATE 2022**

MIDLAND®

40 CHANNEL CB RADIO
PART NUMBER: **1001LWX**

FEATURES: 4 Watt Output Power • Weather Scan • Large Backlit LCD Display • CB / PA Switch - allows the CB to be used as Public Address System when paired w/ PA Speaker (not included) • Digital Power Meter • Squelch Control • RF Gain Control • 40 Channels • 4-pin Locking Microphone Connector **WHILE SUPPLIES LAST**



Cobra®

SMART CB RADIO WITH
SMARTPHONE ENHANCED
FEATURES AND LEGAL
HANDS-FREE CALLS
PART NUMBER: **29LXMAX**

FEATURES: Selectable 4-Color LCD

Display • Advanced Bluetooth® Connectivity • Rewind-Say-Again® • Memo Record • iRadar App Integration • Report Feature • NightWatch® Illumination • 10 Weather Channels • Weather Scan • Emergency Weather Alert • 40 CB Radio Channels • 40 Channel Scan • Memory Channels • Channel Frequency Read-Out • Radio Check Diagnostic • Clock/Timer/Alarm • Multi-Function, Heavy-Duty Microphone with Phone, Rewind-Say-Again® and Report Functions • Full 4 Watts AM RF Power Output • SWR Calibration Meter • Instant Channel 19 and 9 • Front Panel 6-Pin Mic Connector • Switchable Automatic Noise Limiter & Noise Blanker • Adjustable Dynamic® Boost • Tactile Controls • 9 Ft Mic Cord • Programmable Dimmer Control • RF Gain • External Push-To-Talk Jack • External Mic Jack Bluetooth® Features • Dual Point Bluetooth® • Caller I.D. • A2DP Audio Streaming • Phone Directory

MIDLAND®

HANDHELD CB /
WEATHERBAND RADIO
WITH MOBILE ADAPTOR
PART NUMBER: **75-822**

FEATURES: 40 Channels • Built-in 10 Channel Weather • Front-Mounted Speaker • Front-Mounted Mic • S/RF Meter • Instant Channel 9 & 19 • Dual Watch • Last Channel Memory



Cobra®

CB RADIO WITH NIGHTWATCH®
PART NUMBER: **29NW**

FEATURES: 9' Mic Cord • Front Mic Connector • Adjustable Dynamic® Boost for voice clarity • Tactile Controls • PA Capability to use CB

radio as a Public Address System with PA speaker. Received signals can also be monitored through PA • RF Gain adjusts to receive gain in weak and strong signal areas • Switchable Noise Blanker for increased noise reduction • NightWatch® Illuminated Front Panel is ideal for switch and control recognition day or night • 4 Watts AM RF Power Output • Instant Channel 9 and 19 • Antenna Warning Indicator illuminates when antenna needs checking

NOTE: AVAILABLE LATE 2022

Uniden®

7-COLOR DISPLAY CB RADIO
WITH DEMO MODE & NOISE
CANCELING MIC
PART NUMBER: **BEARCAT880**

FEATURES: Large Easy-to-Read Display & Channel • Noise Cancelling Mic • 40 Channels • Instant Channel 9 & 19 • Mic Gain 4-Position Control & extra long Mic Cord • Large Digital S/RF/CAL/SWR Meter • Dimmer Switch Day/Night • NOAA Weather Channels • Easy-to-Read Laser Etched Keys • ANL/Noise Blanking • Backlit Control Knobs/Buttons



Uniden®



40 CHANNEL FULL FEATURED AM/SSB CB RADIO W/ NOISE CANCELING MICROPHONE
 PART NUMBER: **BEARCAT980**
 FEATURES: SSB USB/LSB • Radio diagnostics • 50% Taller Display • Instant Channel 9 & 19 • PA/CB Switch • Digital S/RF/CAL/SWR Meter • Local/DX • ANL/Noise Blanking • Easy-to-Read Laser Etched Keys • Enhanced Graphics • Volume/Squelch Control • Antenna/RF/Voltage • Wireless Mic Compatible • 4 - 6 pin Microphone Adapter available

Uniden®



OFF-ROAD SERIES
 ULTRA-COMPACT CB RADIO WITH 7-COLOR MIC DISPLAY
 PART NUMBER: **CMX760**
 FEATURES: 40 Channels • Ultra-Compact for Easy Mounting - Just 4" x 4" x 1" • NOAA Weather with Alert • Large Display and Speaker on Mic • Easy Access Mic Controls • 7-Color Backlit Display and Buttons • Frequency Display • Noise Blanker • Automatic Noise Limiter • "High-cut" Audio Switch • Instant Channel 9 and 19 • Local/DX RF Gain • Channel Scan • Adjustable Key Beep • Roger Beep • High/Low Voltage Alerts • Full 4W Maximum Legal RF Power • 2W Audio Output • External Speaker Jack • Includes: 4-foot mic extension cable, Quick-release mounting tray with hardware, Mic hanger with hardware and Quick-disconnect wiring harness

Uniden®



40-CHANNEL CB RADIO
 PART NUMBER: **PC68LTX**
 FEATURES: 40 Channel CB Radio with Chrome Front Panel • Public Address • Automatic Noise Limiter / Noise Blanker • Analog S/RF Meter • RF Gain Control • Microphone Gain Control • Extra-long Microphone Cord • PA/CB Switch • Instant Channel 9 • DC Power Cord • Classic styled handheld Mic with Front Panel Connector • "High-cut" Audio Switch • Squelch Control to eliminate background noise

Uniden®



40-CHANNEL CB RADIO WITH SWR
 PART NUMBER: **PC78LTX**
 FEATURES: Integrated SWR Meter for Antenna Tuning • 40 Channel CB Radio w/ Chrome Front Panel • Public Address • Automatic Noise Limiter / Noise Blanker • RF Gain Control • Mic Gain Control • Extra-long Mic Cord • PA/CB Switch • Analog S/RF Meter • Instant Channel 9 • DC Power Cable • Classic Uniden handheld Mic w/ Front Panel Connector • High-Cut Filter for enhanced frequency response • NB/ANL • LED Channel Readout

Uniden®



HANDHELD CB RADIO
 PART NUMBER: **PRO401HH**
 FEATURES: 4 watts Nominal Power • TX Indicator • Squelch Control • High/Low Power Control • Internal Charging • Battery Low/Charging Indicator

Uniden®



COMPACT CB RADIO
 PART NUMBER: **PRO505XL**
 FEATURES: Compact CB transceiver incorporates state-of-the-art microelectronics into a sophisticated 2-way radio • 40 Channels • Backlit LCD Display • Channel Up / Down Buttons • S/RF Meter • Includes Mic Hook, Mounting Bracket, Knobs and Mounting Hardware • Supports two External Speakers (Sold Separately)

Uniden®



40 CHANNEL COMPACT MOBILE CB RADIO
 PART NUMBER: **PRO510XL**
 FEATURES: Plug in an external speaker for better sound • Signal/RF Power Indicator checks for the relative strength of incoming transmissions • 40 Channel operation, Squelch Control, Channel Display and Selector • ANL switch, TR/RX Indicator • Mounting Hardware

Uniden®



COMPACT PROFESSIONAL MOBILE CB RADIO WITH PA FUNCTION
 PART NUMBER: **PRO520XL**
 FEATURES: 40 Channel operation with squelch control • Public Address (PA) Function: Connect to an external PA speaker for amplified announcements • Instant Channel 9 • External speaker and PA jack • ANL Switch • Signal/RF Power Indicator - to check the relative strength of incoming transmissions • 7 TX/RX Indicators • Durable metal case

CB RADIO ACCESSORIES



Cobra®

6-PIN REPLACEMENT MICROPHONE FOR 29LXMAX
 PART NUMBER: **29MAXMIC**
 FEATURES: Rewind-Say-Again/Record Control • Bluetooth® Connect/Disconnect Control • Report Button • Heavy-Duty Coiled Cord



Cobra®

HARNESS FOR CB RADIOS
 PART NUMBER: **426-002-N-001**
 FEATURES: Compatible to work with the following CB Radios: Cobra 25LTD, 25NW, 29LTD, 29NW, 29LTDBT, 29WXNWST, 29WXNWB, 29LTDCR, 29LX and 29PLX; and Midland M5001



Uniden®

7 WATT CB EXTERNAL SPEAKER
 PART NUMBER: **BC7**
 FEATURES: Stereo Plug for Scanner • CB Compatibility • Elbow 3.5mm Stereo • 7W



Uniden®

15 WATT CB EXTERNAL SPEAKER
 PART NUMBER: **BC15**
 FEATURES: Stereo Plug for Scanner • CB Compatibility • Elbow 3.5mm Stereo • 15W



Uniden®

20 WATT EXTERNAL SPEAKER
 PART NUMBER: **BC20**
 FEATURES: Stereo Plug for Scanner • CB Compatibility • Elbow 3.5mm Stereo • 20W



Uniden®

4-PIN DYNAMIC MICROPHONE WITH METAL HANGER FOR CB RADIOS
 PART NUMBER: **BC645M**
 FEATURES: Compatible with all Uniden CB models in the PC78 and PC88 Series • Push-to-talk Control • 4-pin Connect • 8' Flex Cord • Metal Microphone Hanger for Durability



Uniden®

4-PIN ERGONOMIC PISTOL GRIP MICROPHONE FOR CB RADIOS
 PART NUMBER: **BC646**
 FEATURES: Comfortable Pistol Grip Design • Compatible with All CB Radios • Push-to-talk Control • 4-pin Connect • 8' Flex Cord



Uniden®

4-PIN NOISE CANCELLING MICROPHONE WITH METAL HANGER FOR CB RADIOS
 PART NUMBER: **BC804NCM**
 FEATURES: Compatible with All 4-pin CB Radios • Push-to-talk Control • 4-pin Connect • 8' Flex Cord • Metal Microphone Hanger for Durability



Uniden®

WIRELESS CB SPEAKER/MICROPHONE FOR CB RADIOS
 PART NUMBER: **BC906W**
 FEATURES: Speaker AND Mic in a single unit • Push-to-talk Control Button • Volume Up/Down Controls • Three-color LED • DECT 6.0 digital format at 1.9 GHz frequency for clear, secure communication • Up to 100 Meter Range • Belt Clip • Car Charger Plug w/ USB Connection • Automatic Shut-down of Mic after CB is off for 2 Minutes • 8 Hour Battery Life • Compatible w/ Uniden BearCat680, BearCat880, BearCat980, PC687 and PC787



Uniden®

4-PIN REPLACEMENT MICROPHONE FOR UNIDEN PRO505XL AND PRO510XL
 PART NUMBER: **BMKG0633001**
 FEATURES: 4 pin replacement microphone • Fits Uniden PRO505XL or PRO510XL CB radios • 5 Foot, Extra Flexible, Coiled Cord • Clear Quality Sound • Built for the Professional Drive



Cobra®

REPLACEMENT MICROPHONE FOR COBRA BLUETOOTH® CB RADIOS
 PART NUMBER: **CAM29BTB**
 FEATURES: Replacement Microphone for Cobra CB Radios with Bluetooth® • Dynamic noise-cancelling mic • Metal mesh grille • Coiled 9' cord with 6-pin connector • Compatible with CB models: 29LTDBT, 29LXBT and 29WXNWB



Cobra®

DYNAMIC 4-PIN CB MICROPHONE
 PART NUMBER: **HGM73**
 FEATURES: Replacement Dynamic CB Microphone • 9' Cord • Wire Mesh Grille • Heavy Duty ABS Shell • 4-Pin Connector



Cobra®

POWER 4-PIN CB MICROPHONE
 PART NUMBER: **HGM75**
 FEATURES: HighGear™ '70 Series' mic combines good looks with stellar workmanship • 2 Transistor Amp w/ 9 Volt Battery • 9' Cord • Wire Mesh Grille • Heavy-Duty ABS Shell • 4-Pin Connector

CORE COMMUNICATION



Cobra®

**NOISE-CANCELLING 4-PIN
CB RADIO MICROPHONE**
PART NUMBER: **HGM77**
FEATURES: HighGear™ "70 Series"
microphones combine good looks with stellar
workmanship • Noise-Cancelling • 9' Cord
• Wire Mesh Grille • Heavy Duty ABS Shell •
4-Pin Connector

Cobra®

**HIGHGEAR® EXTENSION
CB RADIO SPEAKER**
PART NUMBER: **HGS100**
FEATURES: HighGear™ external speaker
offers great sound and rugged construction •
15 watt power • 4" speaker with 5.5 oz magnet
• Shock-resistant construction • Black metal
mesh grille • Gunmetal gray shell •
180° ratcheted swivel mounted bracket •
Earpiece jack



Cobra®

**HIGHGEAR® EXTENSION SPEAKER
WITH NOISE FILTER**
PART NUMBER: **HGS300**
FEATURES: HighGear™ external speaker
offers great sound and rugged construction
• The HGS300 is a noise-cancelling extension
speaker that fits all Cobra mobile CB radios
• 15 Watt Power Handling Capability • 4"
Speaker with 5.5 oz Magnet • Switchable Noise
Filter • Shock-resistant construction • Black
Metal Mesh Grille • Gunmetal gray shell



Cobra®

**HIGHGEAR® EXTENSION CB SPEAKER
WITH TALKBACK FEATURE**
PART NUMBER: **HGS500**
FEATURES: HighGear™ external speaker
offers great sound, and rugged construction
• The Talkback feature lets you monitor your
voice as you transmit – an indispensable tool if
you are using an echo mic or signal processor,
so that you can make audio adjustments • 15
Watt Power Handling Capability • 4" Speaker
with 5.5 oz Magnet • Switchable Noise Filter •
Black Metal Mesh Grille • Gunmetal gray shell



**GEAR KEEPER RETRACTABLE GEAR
ATTACHMENT SYSTEM FOR USE
WITH CB RADIOS - 80 LBS BREAK STRENGTH**
PART NUMBER: **RT3-4112**



FEATURES: Retractable gear attachment system,
designed to utilize and protect gear in severe
environments with maximum break strength and
durability • 80 lb. Break Strength • Nylon/Kevlar line
• Impact-Resistance Plastic Case • Higher retraction
force, four times the spring life of standard version •
Longer extension to reach passenger compartment
• Locking mechanism for extended talk periods •
Includes D-ring for mounting to any existing screw •
Measures: 2.165 in x 2.625 in x 0.785 in • Weight: 3.1 oz



**GEAR KEEPER RETRACTABLE GEAR
ATTACHMENT SYSTEM FOR USE
WITH CB RADIOS - 60 LBS BREAK STRENGTH**
PART NUMBER: **RT4-4112**



FEATURES: Retractable gear attachment system,
designed to utilize and protect gear in severe
environments with maximum break strength and
durability • 60 lb. Break Strength, stainless steel nylon
coated cable • Optional high-tensile Spectra line •
Impact-Resistance Plastic Case • Quick Connect-II
(Q/C-II) • RT4 series gives longer extension and twice
the spring life of RT3 • Measures: 1.67 in x 2.07 in x
0.575 in • Weight: 3.1 oz

PANA-PACIFIC

EXTENSION SPEAKER
PART NUMBER: **VS8**
FEATURES: 2-1/2" Paper Cone Speaker with 8
Ohms impedance • Max Input 10 Watts • Frequency
Response: 500-5000 Hz • Mounting bracket and
screws included



CB RADIO CABLES

PANA-PACIFIC

**CRIMP-ON REPLACEMENT CONNECTOR FOR
CB ANTENNA CABLE RG59**
PART NUMBER: **PL259**
FEATURES: Replacement Connector for CB Antenna
Cable RG-59 Coax



PANA-PACIFIC

**CRIMP-ON REPLACEMENT CONNECTOR FOR
CB ANTENNA CABLE RG58**
PART NUMBER: **PL259-58**
FEATURES: Replacement Connector for CB Antenna
Cable RG-58 Coax



**1' COAX YOKE FOR DUAL
CB ANTENNA HOOKUP**
PART NUMBER: **PSODMM1Y**
FEATURES: A 1' long cable with PL259 connector on
one end & 2 female Motorola plugs on the other end





17' CB ANTENNA CABLE W/ PL259 AND MALE MOTOROLA PLUG
 PART NUMBER: **PSO TJ17S0**
 FEATURES: 17-feet of Twin RG59 Coax Cable terminated with PL259 connector on one end, and male Motorola plug on the opposite end



6' SINGLE CB ANTENNA CABLE
 PART NUMBER: **TJ6**
 FEATURES: 6' Single RG58 Coax Cable with PL259-58 connectors



9' SINGLE CB ANTENNA CABLE
 PART NUMBER: **TJ9**
 FEATURES: 9' Single RG58 Coax Cable with PL259-58 connectors



12' SINGLE CB ANTENNA CABLE
 PART NUMBER: **TJ12**
 FEATURES: 12' Single RG58 Coax Cable with PL259-58 connectors



18' SINGLE CB ANTENNA CABLE
 PART NUMBER: **TJ18**
 FEATURES: 18' Single RG58 Coax Cable with PL259-58 connectors



9' TWIN CB ANTENNA CABLE
 PART NUMBER: **TPH9PL**
 FEATURES: 9' Twin RG59 Coax Cable with PL259 connectors



18' TWIN CB ANTENNA CABLE
 PART NUMBER: **TPH18PL**
 FEATURES: 18' Twin RG59 Coax Cable with PL259 connectors

SATELLITE RADIO ANTENNAS



CLOSE-UP OF CONNECTORS

FAKRA FEMALE TO SMB MALE CONNECTOR
 PART NUMBER: **3622-ZA**
 FEATURES: Satellite radio adapter for portable satellite radio antennas with SMB connector to connect to the APTIV radios with integrated SiriusXM satellite radio tuners
WHILE SUPPLIES LAST



MAGNETIC SATELLITE RADIO ANTENNA
 PART NUMBER: **NGVA3**
 FEATURES: Compatible w/ all radios & vehicle docks that work on SiriusXM network • Push on style, single input SMB antenna connector • Mounts on most metal vehicle surfaces & has rubber feet to help prevent scratching • Low profile, small size and 23' of cable allow the antenna to be placed almost anywhere on a vehicle roof to ensure optimal signal reception



HOCKEY PUCK SATELLITE RADIO ANTENNA
 PART NUMBER: **PP407078**
 FEATURES: Interoperable (certified for use with SiriusXM receivers) • 6-inch pigtail for radios integrated with SiriusXM satellite radio tuners that use a FAKRA female connector • Low profile for easy mounting, adhesive tape included • Extension cable sold separately



INTEROPERABLE ROOF-MOUNT SATELLITE RADIO ANTENNA
 PART NUMBER: **PP802170**
 FEATURES: Interoperable (certified for use with SiriusXM receivers) • Installation of roof-mount antenna requires permanent mounting onto any flat, horizontal surface of the vehicle by drilling two small holes (which are sealed against water intrusion by a rubber gasket built in to the antenna) • 12-foot cable terminated with a SMB connector in a FAKRA plastic housing to connect to the radio



• Includes: Mounting clamp & Self-locking nut



INTEROPERABLE MIRROR-MOUNT SATELLITE RADIO ANTENNA KIT
 PART NUMBER: **PP802458**
 FEATURES: Interoperable (certified for use with SiriusXM receivers) • Antenna mounts onto vehicle mirror • 8-foot cable terminated with a right angle SMB connector in a FAKRA plastic housing, to connect to the radio • Kit includes: 6-foot extension cable, Mounting bracket and hardware



ROOF-MOUNT SATELLITE RADIO ANTENNA KIT
 PART NUMBER: **PP807163**
 FEATURES: Interoperable (certified for use with SiriusXM receivers) • Installation of roof-mount antenna requires permanent mounting onto any flat, horizontal surface on the vehicle by drilling two small holes (which will be sealed from water intrusion by rubber gasket that is built in to the antenna) • Kit includes: 17-foot male/female SDAR extension cable, Mounting clamp, Self-locking nut, and special mounting option for Cascadia P3 and P4 trucks

CORE COMMUNICATION

((SiriusXM))

INTEROPERABLE MIRROR-MOUNT SATELLITE RADIO ANTENNA WITH DELPHI RADIO CONNECTOR
PART NUMBER: **SRTMM-02**

FEATURES: Interoperable (certified for use with all SiriusXM receivers) • Waterproof, magnetic structure can be installed on outside of vehicle • Receiving frequency 2.3GHz • Mirror-mount design • 14-foot RG-174 cable • Custom SMB connector to fit APTIV radios • Durable, light weight and sleek



((SiriusXM))



SIRIUSXM CONNECT TUNER + SATELLITE RADIO ANTENNA
PART NUMBER: **SXV300**

FEATURES: Connect, control and enjoy SiriusXM through the vehicle's in-dash audio system • Compatible with all in-dash audio systems' receivers displaying the SiriusXM-Ready logo • Compact size allows for hidden installation • Eliminates the need for Interface Adaptors • Supports replay & data services • Enjoy SXM Xtra Channels - Access to Xtra channels depends on subscription package • Includes: SiriusXM Magnetic Satellite Radio Antenna • Requires a Satellite Radio Antenna (Sold Separately)

SATELLITE RADIO RECEIVERS & TUNERS

((SiriusXM))

ONYX EZR SATELLITE RADIO WITH VEHICLE KIT
PART NUMBER: **SXEZR1V1**

FEATURES: The Onyx EZR makes satellite radio simple to install, use and enjoy. Easy-to-read, large high-resolution display • View artist or show name, song or program title and content or channel info • Store up to 10 favorite channels • View what's playing on favorite channels in split-screen mode • Two Display Options — white text on black



background or black text on white background • Create custom music channel that's a blend of selected and favorite channels with TuneMix™ • Easily lock and unlock channels with mature content • One-Touch Jump™ to the previous channel • Listen in multiple locations — in a vehicle, outdoors or in your office with additional accessories — ALL WITH ONE SUBSCRIPTION • Programming: Able to receive all SiriusXM audio channels and satellite programming packages.

WHILE SUPPLIES LAST

((SiriusXM))

SIRIUSXM ONYX PLUS WITH VEHICLE KIT
PART NUMBER: **SXPL1V1**

PRODUCT FEATURES: The Onyx Plus is a powerhouse radio that combines our most advanced technology with exciting features to create the ultimate listening experience in or out of your vehicle. Full color display is stunning and intuitive • See full color album



art while you listen • Start songs from the beginning with TuneStart™ • Create your own music channel by blending your favorite channels with TuneMix™ • Did you miss that? Pause, rewind, and replay on your favorite channels for up to 30 minutes • Sports fans - never miss a game or score again with game and score alerts, and sports ticker • Weight: 3.4 oz (96 g) • Dimensions: 4.5 inches (width) x 2.4 inches (height) x 0.7 inches (depth) | 115 mm (width) x 61 mm (height) x 17 mm (depth) • Connectors: 1/8 inch (3.5 mm) stereo male to 1/8 inch (3.5 mm) stereo male

((SiriusXM))

SIRIUSXM CONNECT TUNER
PART NUMBER: **SXV300B**

FEATURES: Connect, control and enjoy SiriusXM through the vehicle's in-dash audio system • Compatible w/ all in-dash audio systems' receivers displaying the SiriusXM-Ready logo • Compact size allows for hidden installation • Eliminates the need for Interface



Adaptors • Supports replay & data services • Enjoy SXM Xtra Channels - Access to Xtra channels depends on subscription package • Includes SMB Antenna Connector • Requires a Satellite Radio Antenna (Sold Separately)

SATELLITE RADIO REPLACEMENT PARTS / ACCESSORIES

((SiriusXM)) SATELLITE RADIO

SATELLITE RADIO TRANSMITTER BYPASS
PART NUMBER: **PP803083**

FEATURES: Allows any SiriusXM SAT Radio Plug/Play receiver to be directly connected to the FM radio • The small 2.5mm plug is connected to the "FM OUT" jack on the satellite receiver • The FM radio antenna cable is removed from the back of the radio, the male Motorola connector of the transmitter bypass is plugged into the radio & the vehicle antenna is plugged into the female Motorola connector of the bypass • The FM radio and the FM modulator of the satellite receiver must be tuned to the same frequency



QUICK TIP

((SiriusXM))

REDUCED RATES FOR FLEETS

PRICES STARTING AT UNDER \$5/MO

CONTACT YOUR PANA-PACIFIC SALES MANAGER

TELEVISIONS



15.6" WIDESCREEN LED HDTV WITH DVD
PART NUMBER: **SC-1512**

FEATURES: • 15.6" LED HDTV with Built-in DVD Player Compatible • Supports DVD/CD/CDRW/DVD-R/DVD+R/DVD-RW/DVD+RW/VCD/SVCD Music & JPG Compatible • HDTV 1080p/1080i/720p/480p/480i • HDMI Input Compatible • Built-in Dual Tuners • Built-in USB Input Compatible • Built-in SD Card Slot Compatible • Aspect Ratio: 16:9 • Resolution: 1366 x 768 • Brightness: 200cd/m² • Contrast Ratio: 500:1 • Response Time: 16ms Max. • Viewing Angle: 90° (H), 50° (V) • Digital Noise Reduction • Audio Output Power: 2 x 3W • Picture Mode: User, Standard, Dynamic & Soft • Sound Mode: Standard, Music, Movie, User & Sport • Sleep Timer Function • Multi Language On Screen Display • AC/DC Compatible • Full Function Remote Control Unit • Power Input: AC 100-240V, 50/60Hz & DC 12V • Max Power Consumption: 24W • Input Terminals Compatible: HDMI/RF/USB/PC Audio/CVBS & Audio L/R • Output Terminals Compatible: Headphones & Coaxial Out • Wall Mountable Design, VESA Compliant • Weight: 3.53 lbs. • Unit Dims w/ Stand: L 14.76 x W 5.51 x H 10.87 in. • Unit Dims without Stand: L 14.76 x W 1.85 x H 9.41 in. • Accessories: Remote Control, AC Power Adapter, Car Cord & Users Manual



24" WIDESCREEN LED HDTV WITH DVD
PART NUMBER: **SC-2412**

FEATURES: • 24" LED HDTV with Built-in DVD Player Compatible • Supports DVD/CD/CDR/CDRW/DVD-R/DVD+R/DVD-RW/DVD+RW/VCD/SVCD Compatible • HDTV 1080p/1080i/720p/480p/480i • HDMI Input Compatible • Built-in USB Input Compatible • Built-in SD Card Slot Compatible • Aspect Ratio: 16:9 • Resolution: 1920 x 1080 • Brightness: 180cd/m² • Contrast Ratio: 1000:1 • Response Time: 5ms • Viewing Angle: 170° (H) / 160° (V) • Standby Power: ≤ 1W • Color Capacity: 16.7 Million Colors • Digital Noise Reduction • Brightness and Contrast Controls • Picture Mode: User, Standard, Dynamic & Soft • Sound Mode: Standard, Music, Movie, User & Sport • Built-in Speakers • Separate Bass, Treble & Balance Controls • Sleep Timer Function • Multi Language On Screen Display • AC/DC Compatible • Full Function Remote Control Unit • Power Input: AC 100-240V, 50/60Hz & DC 12V • Maximum Power Consumption: 30W • Input Terminals Compatible: HDMI/VGA/RF/USB/PC Audio/CVBS/YPbPr • Output Terminals Compatible: Headphones & Coaxial Out • Wall Mountable Design, VESA Compliant • Weight: 7.92 lbs. • Unit Dimensions with Stand: L 22.21 x W 6.50 x H 14.33 in. • Unit Dimensions without Stand: L 22.21 x W 1.89 x H 13.03 in. • Accessories included: Remote Control, AC Power Adapter, DC Car Cord & Users Manual



19" WIDESCREEN LED HDTV WITH DVD
PART NUMBER: **SC-1912**

FEATURES: • 18.5" LED HDTV with Built-in DVD Player Compatible • Supports DVD/CD/CDR/CDRW/DVD-R/DVD+R/DVD-RW/DVD+RW/VCD/SVCD Compatible • HDTV 1080p/1080i/720p/480p/480i • HDMI Input Compatible • Built-in USB Input Compatible • Built-in SD Card Slot Compatible • Aspect Ratio: 16:9 • Resolution: 1366 x 768 • Brightness: 200cd/m² • Contrast Ratio: 600:1 • Response Time: 8.5ms • Viewing Angle: 176° / 176° • Standby Power: ≤ 1W • Color Capacity: 16.7 Million Colors • Digital Noise Reduction • Brightness and Contrast Controls • Picture Mode: User, Standard, Dynamic & Soft • Sound Mode: Standard, Music, Movie, User & Sport • Built-in Speakers • Sleep Timer Function • Multi Language On Screen Display • AC/DC Compatible • Full Function Remote Control Unit • Power Input: AC 100-240V, 50/60Hz & DC 12V • Max Power Consumption: 30W • Input Terminals Compatible: HDMI/VGA/RF/USB/PC Audio/CVBS/YPbPr • Output Terminals Compatible: Headphones & Coaxial Out • Wall Mountable Design, VESA Compliant • Weight: 5.94 lbs. • Unit Dims w/ Stand: L 17.32 x W 6.49 x H 11.61 in. • Unit Dims without Stand: L 17.32 x W 2.0 x H 10.47 in. • Accessories: Remote Control, AC Power Adapter, DC Car Cord & Users Manual



32" WIDESCREEN LED HDTV WITH DVD
PART NUMBER: **SC-3222**

FEATURES: • 31.5" Class DLED HDTV with Built-in DVD Player • DVD/CD/CDR/CDRW/DVD+R/DVD+/-RW/VCD/SVCD Compatible • Built-in ATSC & NTSC System • HDMI Input Compatible • HDTV 1080p/1080i/720p/480p • Built-in USB Input Compatible allows play of videos, music & Photos • Built-in SD Card Slot Compatible Allows You to Play Videos, Music and Photos • Aspect Ratio: 16:9 • Resolution: 1366 x 768 • Brightness: 200cd/m² • Contrast Ratio: 1000:1 (dynamic) • Response Time: 8ms • Viewing Angle: 178° (H), 178° (V) • Digital Noise Reduction • Standby Power: 0.5W • Audio Output Power: 2 x 8W • Color Capacity: 16.7 Million Colors • Picture Mode: Movie, User, Dynamic & Standard • Sound Mode: User, Dynamic, Standard & Soft • Separate Bass, Treble & Balance Controls • Sleep Timer Function • Multi Language On Screen Display • Weight: 9.9lbs. • Unit Dimensions with Stand: 28.82" x 8.31" x 18.78" (LxWxH) • Unit Dimensions without Stand: 28.82" x 3.50" x 17.09" (LxWxH) • Power Inputs: AC 100-240V, 50/60Hz • Maximum Power Consumption: 60W • Input Terminals Compatible: 3HDMI/VGA/PC Audio/Video/Headphones • Wall Mountable Design, VESA Compliant • Accessories: Remote Control, AC Power Cord and User Manual



22" WIDESCREEN LED HDTV WITH DVD
PART NUMBER: **SC-2212**

FEATURES: • 22" LED HDTV with Built-in DVD Player Compatible • Supports DVD/CD/CDR/CDRW/DVD-R/DVD+R/DVD-RW/DVD+RW/VCD/SVCD Compatible • HDTV 1080p/1080i/720p/480p/480i • HDMI Input Compatible • Built-in USB Input Compatible • Built-in SD Card Slot Compatible • Aspect Ratio: 16:9 • Resolution: 1920 x 1080 • Brightness: 180cd/m² • Contrast Ratio: 1000:1 • Response Time: 5ms (Max. 10) • Viewing Angle: 160° / 160° • Standby Power: ≤ 1W • Color Capacity: 16.7 Million Colors • Digital Noise Reduction • Brightness and Contrast Controls • Picture Mode: User, Standard, Dynamic & Soft • Sound Mode: Standard, Music, Movie, User & Sport • Built-in Speakers • Sleep Timer Function • Multi Language On Screen Display • AC/DC Compatible • Full Function Remote Control Unit • Power Input: AC 100-240V, 50/60Hz & DC 12V • Maximum Power Consumption: 36W • Input Terminals Compatible: HDMI/VGA/RF/2 x USB/SD/PC Audio/CVBS & Audio L/R/YpPr • Output Terminals Compatible: Headphones & Coaxial Out • Wall Mountable Design, VESA Compliant • Weight: 6.70 lbs. • Unit Dims w/ Stand: L 19.80 x W 6.50 x H 13.07 in. • Unit Dims without Stand: L 19.80 x W 2.01 x H 11.81 in. • Accessories: Remote Control, AC Power Adapter, Car Cord & Users Manual

TELEVISION MOUNTS



MOVIE TV MOUNTS LEFT OR RIGHT 9-INCH SINGLE SWING ARM MOUNTS WITH LOCK
PART NUMBER: **PP607222 (LEFT)**

PART NUMBER: **PP607223 (RIGHT)**

FEATURES: Wide variety of standard VESA patterns accepted to accommodate most flat panel displays • Secure pawl & spring latch with release strap for mobile applications • Compact preassembled design for a simple installation • Wide angle 180° + pan on a 10.500" extendable armature for versatile viewing angles • Supports common screen sizes 24" - 50" • Hole Pattern (VESA) range: 3" x 3", 4" x 4", 4 x 7-7/8", 7-7/8" x 7-7/8" • Dimensions: 12" W x 8-1/2" H x 3-1/2" D • Weight: 3.96 lbs. • Made in the USA

CAB CONVENIENCE

AUXILIARY A/C SYSTEMS



DOMETIC

DOMETIC COOLAIR 1200W PARKING AIR CONDITIONER
PART NUMBER: RTX1000
FEATURES: The RTX1000 is a self-contained 12-volt stationary parking cooler ideal for long trips in moderate climates. The AC is battery operated and mounted on the roof of the vehicle (compatible up to an 8° tilt).

It is hermetically sealed with a maintenance-free refrigerant circuit and inverter compressor. Key Features: 1200 watts cooling capacity / 4,094 BTU • Dimensions: 33.8" L x 25.4" W x 12.1" H • Weight: 52.8 lbs • 4 operating modes (Auto, Eco, Manual and Boost) • Very quiet while running • Operates in up to 125.6°F ambient temperature • Low voltage shut down – battery monitor protects the battery against excessive discharge • 1-year warranty from in-service date, with the option to purchase an extended package for 2-years of coverage • Maximum run time of up-to 12 hours; actual run time capacity depends on ambient temperature levels and quality of truck batteries • Multi-line display on control unit for providing temperature readings and settings. Kit includes AC system, remote control, power harness, and universal installation kit



DOMETIC

DOMETIC COOLAIR 2000W PARKING AIR CONDITIONER
PART NUMBER: RTX2000
FEATURES: The RTX2000 is a self-contained 12-volt stationary parking cooler ideal for long trips in moderate climates. The AC is battery operated and mounted on the roof of the vehicle (compatible up to an 20° tilt).

It is hermetically sealed with a maintenance-free refrigerant circuit and inverter compressor. Key Features: 2000 watts cooling capacity / 6,824 BTU • Dimensions: 33.8" L x 25.4" W x 12.1" H • Weight: 72.6 lbs • 4 operating modes (Auto, Eco, Manual and Boost) • Very quiet while running • Operates in up to 125.6°F ambient temperature • Low voltage shut down – battery monitor protects the battery against excessive discharge • 1-year warranty from in-service date, with the option to purchase an extended package for 2-years of coverage • Maximum run time of up-to 12 hours; actual run time capacity depends on ambient temperature levels and quality of truck batteries • Multi-line display on control unit for providing temperature readings and settings. Kit includes AC system, remote control, power harness, and universal installation kit



QUICK TIP

STRICT IDLE REGULATIONS AND THE NEGATIVE IMPACT IDLING HAS ON FUEL CONSUMPTION ARE COMMON REASONS WHY A TRUCK'S INTEGRATED AC SYSTEM CAN'T BE USED WHILE THE VEHICLE IS STOPPED. IDLING ALSO BURNS OIL WHICH CAUSES THE VEHICLE TO DEplete ITS SUPPLY QUICKER, REQUIRING MORE FREQUENT OIL CHANGES AND DOWN-TIME FOR MAINTENANCE.

AN AUXILIARY PARKING AC SYSTEM IS A COST-EFFECTIVE SOLUTION FOR COOLING DOWN THE CABIN IN WARMER CLIMATES. BY OPERATING OFF THE TRUCK BATTERY ALONE, THESE ROOFTOP-MOUNTED 12V COOLERS ARE AN EFFICIENT WAY TO MAINTAIN DESIRABLE TEMPERATURES FOR UP TO 12 HOURS AFTER A VEHICLE HAS BEEN TURNED OFF.

BUILT-IN REFRIGERATORS



DOMETIC

COMPACT COMPRESSOR 21 QUARTS, BUILT-IN DRAWER REFRIGERATOR
PART NUMBER: CD20-DCTB1
FEATURES: 12/24 volts DC • Easy-pull drawer on roller bearing slides • Temperature range 32° F - 59° F • Color: Black face panel and drawer surround •

Durable metal frame construction • Fully hermetic compressor w/ integrated control electronics • Temperature regulation with continuously variable thermostat • Handle with keyed lock - unlock and open with a single movement • Requires less than 10" of height for installation • Weight 36.8 lbs. • 20-liter total capacity / 0.71 cu. ft. gross capacity • 36 Watts power consumption • Dimensions: 17.32" W x 9.84" H x 21.8" D



DOMETIC

COMPACT COMPRESSOR 31 QUARTS, BUILT-IN DRAWER REFRIGERATOR
PART NUMBER: CD30-DCTB1
FEATURES: 12/24 volts DC • Easy-pull drawer on roller bearing slides • Temperature range 32° F - 59° F • Color: Black face panel and drawer surround •

Durable metal frame construction • Fully hermetic compressor w/ integrated control electronics • Temperature regulation with continuously variable thermostat • Handle with keyed lock - unlock and open with a single movement • Requires less than 10" of height for installation • Weight 39.7 lbs. • 30-liter total capacity / 1.06 cu. ft. gross capacity • 40 Watts power consumption • Dimensions: 17.32" W x 9.84" H x 26.15" D



DOMETIC

COMPRESSOR BUILT-IN DRAWER REFRIGERATOR
PART NUMBER: CD-50
FEATURES: 12/24 volts DC • 40 Watts power consumption • Weight 44.1 lbs. • 50-liter total capacity • 1.65 cu. ft. gross capacity • 6-liter freezer capacity (optional) • Temp range 28.4° F - 53.6° F • Dimensions: 14.96" W x 21" H x 19.6875" D • Color: Black face panel, and drawer surround • Freezer compartment is removable • Durable metal frame construction • Fully hermetic compressor

with integrated control electronics • Easy-pull drawer on roller bearing slides • Unlock and open with a single movement • AC operation with covered back-plate • Temperature regulation with continuously variable thermostat

BUILT-IN REFRIGERATOR KITS | INSTALLATION KITS

DOMETIC



**3-SPEED COMPRESSOR
BUILT-IN REFRIGERATOR
PART NUMBER: CRX-50**

FEATURES: 1.6 cubic feet • 12/24 Volts DC • 40 watts power consumption • Weight 35.3 lbs. • Average running time 23% at 68°F ambient temp, 35% at 86°F ambient temp, both at 41°F interior temp • Insulation CFC-free polyurethane • Cut-Out Dimensions: 14.3125"W x 21"H x 19.6875"D • Color: Black face panel, door surrounding and mount frame w/ larger center position door handle • Infrared

Sensor for inner illuminating • Material: Stainless steel fittings, plastic interior, door frame in plastic body with coated metal frame • Fully hermetic • Speed Controlled Compressor - three levels (Hi/Mid/Low) • Electronic Temp Sensor & Controls • Low-voltage protection • Electronic fuse/automatic reverse pole protection • Mechanical, continuously, variable electronic thermistor • Cooling System - Tube and Fin Condenser • Compressor mounting plate is foamed in place allowing all components to have a direct and solid mounting to the cabinet • Removable Freezer - Allows the interior storage area to be partitioned between freezer and refrigerator or completely removed so interior storage can be ALL refrigerator or ALL freezer (determined by the selected temperature)

DOMETIC



**3-SPEED COMPRESSOR
BUILT-IN REFRIGERATOR
PART NUMBER: CRX-65**

FEATURES: 1.9 cu. ft. • 12/24 V DC • 40 watts power consumption • Weight 39.7 lbs. • Average running time 23% at 68°F ambient temp, 35% at 86°F ambient temp, both at 41°F interior temp • Insulation CFC-free polyurethane • Removable freezer section • Cut-Out Dims: 17.625"W x 20.625"H x 21.875"D • Color: Black face panel, door surrounding and mount frame w/ larger center position door handle • Infrared sensor for inner illuminating • Material: Stainless steel fittings, plastic

interior, door frame in plastic body w/ coated metal frame • Fully hermetic • Speed Controlled Compressor - three levels (Hi/Mid/Low) • Electronic Temperature Sensor and Controls • Low-voltage protection • Electronic fuse/automatic reverse pole protection • Mechanical, continuously, variable electronic thermistor • Tube & Fin Condenser Cooling System • Compressor mounting plate is foamed in place allowing all components to have a direct and solid mount to the cabinet • Removable Freezer - Allows the interior storage area to be partitioned between freezer and refrigerator or completely removed so interior storage can be ALL refrigerator or ALL freezer (determined by the selected temperature).

DOMETIC	REFRIGERATOR KITS REFRIGERATOR + INSTALLATION KIT	INSTALLATION KITS REFRIGERATOR SOLD SEPARATELY
	CRX-50	CRX-50
FREIGHTLINER ¹	PP602903	PP602902
FREIGHTLINER P3 CASCADIA ²	PP603548	PP603706
FREIGHTLINER P4 CASCADIA ³	PP607364 w/ COMPRESSOR COVER	PP607373 w/ COMPRESSOR COVER
PETERBILT	PP603193	PP603192
PETERBILT 579 ⁴	PP607048	PP607045
KENWORTH	PP603193	PP603192
KENWORTH T680	PP607049	PP607028
MACK	PP603199	PP603194
VOLVO	PP603201	PP603192
INTERNATIONAL PRE-2002	PP603200	PP603195
INTERNATIONAL 2002 & LATER	PP603204	N/A
INTERNATIONAL PROSTAR & LT	PP607126	N/A
	CRX-65	CRX-65
FREIGHTLINER P4 CASCADIA ³	PP607345 w/ COMPRESSOR COVER	PP607368 w/ COMPRESSOR COVER
FREIGHTLINER P4 CASCADIA ⁵	PP607189	PP607369
FREIGHTLINER P4 CASCADIA ⁶	PP607198	PP607370
PETERBILT 389 / 386 / 379 ⁷	PP603203	PP603198
	CD-50	CD-50
PETERBILT 579	PP607050	PP607045
KENWORTH T680 / T880	PP607051	PP607028
FREIGHTLINER P4 CASCADIA ³	PP607365 w/ COMPRESSOR COVER	PP607373 w/ COMPRESSOR COVER

APPLICATION NOTES:

¹ Freightliner trucks are supplied w/ a Y-harness to adapt various refrigerators to the truck electrical system. The proprietary harness part number is A06-19868-021.

² Freightliner P3 Cascadia - Install kit for standard cabinet.*

³ Freightliner P4/ New Cascadia 60" or 72" sleeper - Install kit ONLY for P4/ New Cascadia trucks equipped with Data Code: 64E-010 or Data Code: 719-022. (floor bracket / tray option)*

⁴ PB interior options vary, cabinet modifications may be needed - check w/ Pana.

⁵ Freightliner P4/ New Cascadia - Install kit ONLY for P4/ New Cascadia trucks equipped with Data Code: 64E-012 and 719-998. (storage cabinet option)*

⁶ Freightliner P4/New Cascadia - Install kit ONLY for P4/ New Cascadia trucks equipped with Data Code: 64E-011 and 719-017. (factory installed fridge option)*

⁷ Peterbilt 379 trucks are built with two different cabinets - one fits a CRX-50 (15" wide) and the other one fits a CRX-65 (17.5" wide).

* Due to custom variations in Freightliner truck builds, applications for refrigerator installation kits can differ from what is noted above. Please contact Pana-Pacific Technical Support at (866) 253-7027 with Freightliner truck VIN(s) for information on a specific refrigerator installation kit to work in a specific Freightliner truck.

FOR BUILT-IN REFRIGERATOR INSTALLATION TRUCK
APPLICATION QUESTIONS PLEASE CALL
PANA-PACIFIC TECHNICAL SUPPORT AT:

866.253.7027

CAB CONVENIENCE



VITRIFRIGO

COOL AND BEYOND

BUILT-IN REFRIGERATOR FOR MOBILE APPLICATION
PART NUMBER: VF51
FEATURES: 12 VDC compressor driven combo refrigerator / freezer • 40W power consumption • 1.8 cu. ft. combined storage capacity • Weight 39.7 lbs • Run time is approximately 50% in 25°C (77°F) ambient and internal temperature of 2.5°C (36.5°F) •

Insulation is high density, CFC-free, polyurethane foam • Minimum rough opening 15.625" (w) x 21" (h) x 20.5" (d) • Exterior is galvanized steel • Door is constructed with galvanized steel front for durability and includes replaceable gloss black panel • Door latch assures positive closure with incorporated air vent for quick re-entry • Storage area is white thermoformed plastic for easy cleaning • Interior LED light is activated by motion sensor • Adjustable electromechanical temperature control • Low voltage and overvoltage protection • Forced air, fin and tube condenser saves space and improves performance



VITRIFRIGO

COOL AND BEYOND

BUILT-IN REFRIGERATOR FOR MOBILE APPLICATION - USE ONLY IN INTERNATIONAL TRUCKS*
PART NUMBER: VF51-NAV
FEATURES: 12 VDC compressor driven combo refrigerator / freezer • 40W power consumption • 1.8 cu. ft. combined storage capacity • Weight 39.7 lbs • Run time is approximately

50% in 25°C (77°F) ambient and internal temperature of 2.5°C (36.5°F) • Insulation is high density, CFC-free, polyurethane foam • Minimum rough opening 15.625" (w) x 21" (h) x 20.5" (d) • Exterior is galvanized steel • Door is constructed with galvanized steel front for durability and includes replaceable gloss black panel • Door latch assures positive closure with incorporated air vent for quick re-entry • Storage area is white thermoformed plastic for easy cleaning • Interior LED light is activated by motion sensor • Adjustable electromechanical temperature control • Low voltage and overvoltage protection • Forced air, fin and tube condenser saves space and improves performance

* **NOTE:** The VF51-NAV is for use ONLY in International Truck models.



VITRIFRIGO

COOL AND BEYOND

BUILT-IN REFRIGERATOR FOR MOBILE APPLICATION
PART NUMBER: VF62
FEATURES: 12 VDC compressor driven combo refrigerator / freezer • 40W power consumption • 2.2 cu. ft. combined storage capacity • Weight 42.3 lbs • Run time is approximately 50% in 25°C (77°F) ambient and internal temperature of 2.5°C (36.5°F) •

Insulation is high density, CFC-free, polyurethane foam • Minimum rough opening 18.375" (w) x 21" (h) x 21.875" (d) • Exterior is galvanized steel • Door is constructed with galvanized steel front for durability and includes replaceable gloss black panel • Door latch assures positive closure with incorporated air vent for quick re-entry • Storage area is white thermoformed plastic for easy cleaning • Interior LED light is activated by motion sensor • Adjustable electro-mechanical temperature control • Low voltage and overvoltage protection • Forced air, fin and tube condenser saves space and improves performance

BUILT-IN REFRIGERATOR KITS | INSTALLATION KITS

VITRIFRIGO COOL AND BEYOND	REFRIGERATOR KITS REFRIGERATOR + INSTALLATION KIT	INSTALLATION KITS REFRIGERATOR SOLD SEPARATELY
	VF51	VF51
FREIGHTLINER ¹	PP607231	PP607216
FREIGHTLINER P3 CASCADIA ²	PP607232	PP607219
FREIGHTLINER P3 CASCADIA (LD)	N/A	N/A
FREIGHTLINER P4 CASCADIA ³	PP607339 w/ COMPRESSOR COVER	PP607373 w/ COMPRESSOR COVER
PETERBILT	PP607233	PP607213
PETERBILT 579 ⁴	PP607228	PP607045
KENWORTH	PP607229	PP607213
KENWORTH T680	PP607230	PP607028
MACK	PP607234	PP607220
VOLVO	PP607235	PP607213
INTERNATIONAL PRE-2002	PP607236	PP607212
INTERNATIONAL 2002 & LATER	PP607237	N/A
	VF51-NAV	VF51-NAV
INTERNATIONAL PROSTAR & LT	PP607238	PP607307
	VF62	VF62
FREIGHTLINER P4 CASCADIA ⁵	PP607337 w/ COMPRESSOR COVER	PP607374 w/ COMPRESSOR COVER
FREIGHTLINER P4 CASCADIA ⁶	PP607240	PP607276
FREIGHTLINER P4 CASCADIA ⁷	PP607241	PP607277
PETERBILT 389 / 386 / 379 ⁸	PP607242	PP607221

APPLICATION NOTES:

¹ Freightliner trucks are supplied w/ a Y-harness to adapt various refrigerators to the truck electrical system. The proprietary harness part number is A06-19868-021.

² Freightliner P3 Cascadia - Install kit for standard cabinet.*

³ Freightliner P4/ New Cascadia 60" sleeper - Install kit ONLY for P4/ New Cascadia trucks equipped with Data Code: 64E-101 or 719-022. (floor bracket / tray option)*

⁴ PB interior options vary, cabinet modifications may be needed - check w/ Pana.

⁵ Freightliner P4/ New Cascadia 72" sleeper - Install kit ONLY for P4/ New Cascadia trucks equipped with Data Code: 64E-101 or 719-022. (floor bracket / tray option)*

⁶ Freightliner P4/ New Cascadia 72" sleeper - Install kit ONLY for P4/ New Cascadia trucks equipped with Data Code: 64E-012 and 719-998. (storage cabinet option)*

⁷ Freightliner P4/ New Cascadia 72" sleeper - Install kit ONLY for P4/ New Cascadia trucks equipped with Data Code: 64E-011 and 719-017. (factory installed fridge option)*

⁸ Peterbilt 379 trucks are built with two different cabinets - one fits a VF51 (15" wide) and the other one fits a VF62 (17.5" wide).

* Due to custom variations in Freightliner truck builds, applications for refrigerator installation kits can differ from what is noted above. Please contact Pana-Pacific Technical Support at (866) 253-7027 with Freightliner truck VIN(s) for information on a specific refrigerator installation kit to work in a specific Freightliner truck.

FOR BUILT-IN REFRIGERATOR INSTALLATION TRUCK
 APPLICATION QUESTIONS PLEASE CALL
 PANAPACIFIC TECHNICAL SUPPORT AT:

866.253.7027

BUILT-IN REFRIGERATOR - PARTS

DOMETIC

NOTE: PART IMAGES ARE NOT TO SCALE



LED LAMP BULB – CR-50 / CR-65
PART NUMBER: **18-W3-122401B**

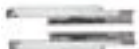


EGG BOX SHELF - CR-50 / CRX-50
PART NUMBER: **40-065-05AB**
Door shelf for the CR-50 or CRX-50 for extra storage



EGG BOX COVER - CR-50 / CRX-50
PART NUMBER: **4450018296**
Optional Shelf Cover for the Egg Box Shelf (part # 40-065-05AB)

VITRIFRIGO
COOL AND BEYOND



DRAWER RAILINGS FOR VF51DW
PART NUMBER: **4999R0019**



VARIATOR SPEED CONTROL CIRCUIT BOARD FOR VF51, VF51-NAV & VF62
PART NUMBER: **R101021.1K**



D35-HD2 COMPRESSOR FOR VF51, VF51-NAV & VF62
PART NUMBER: **R101123.K**



D35F-HD2 COMPRESSOR ELECTRONIC MODULE FOR VF51, VF51-NAV & VF62
PART NUMBER: **R101124**



FINNED PACK CONDENSER WITH BRACKET FOR VF51, VF51-NAV & VF62
PART NUMBER: **R10215.KPP**



EVAPORATOR FOR VF51, VF51-NAV & VF62
PART NUMBER: **R103021**



12VCC CONDENSING UNIT FAN FOR VF51, VF51-NAV & VF62
PART NUMBER: **R10400**



THERMOSTAT KIT FOR VF62
PART NUMBER: **R105008.AK**



THERMOSTAT KIT FOR VF51 & VF51-NAV
PART NUMBER: **R105008.K**



THERMOSTAT KNOB FOR VF51, VF51-NAV & VF62
PART NUMBER: **R10563.1K**



POWER CABLE FOR VF51NAV
PART NUMBER: **R1099C0013**



'AIRLOCK' DOOR LATCH FOR VF51, VF51-NAV & VF62
PART NUMBER: **R111082**



KIT - RIGHT & LEFT TOP HINGES FOR VF51, VF51-NAV & VF62
PART NUMBER: **R111083.K**



DRAIN PAN FOR VF51, VF51-NAV & VF62
PART NUMBER: **R11270.1P**



KIT - DRAIN PAN + FREEZER DOOR FOR VF51, VF51-NAV & VF62 - **WHILE SUPPLIES LAST**
PART NUMBER: **R11270.C1**



INTERIOR WIRE SHELF FOR VF51 & VF51-NAV
PART NUMBER: **R11773**



INTERIOR WIRE SHELF FOR VF62
PART NUMBER: **R11778**



HINGES COVER FOR VF51 & VF51-NAV
PART NUMBER: **R121474**



HINGES COVER FOR VF62
PART NUMBER: **R121476**



KIT - BOTTOM HINGE + DOOR SUPPORT FOR VF51, VF51-NAV & VF62
PART NUMBER: **R12461.K**



KIT - BLACK LAMINATED FRONTAL PANEL (5 PIECES) FOR VF51 & VF51-NAV
PART NUMBER: **R12966.1LK**



KIT - BLACK LAMINATED FRONTAL PANEL (5 PIECES) FOR VF62
PART NUMBER: **R12983.LK**



COMPLETE DOOR (RIGHT OPENING) FOR VF51 & VF51-NAV
PART NUMBER: **R501.305.2BP**



COMPLETE DOOR (LEFT OPENING) FOR VF51 & VF51-NAV
PART NUMBER: **R501.305L.2BP**



COMPLETE DOOR (RIGHT OPENING) FOR VF62
PART NUMBER: **R501.312N.1BP**



KIT - DOOR SHELF (SHELF, BOTTLE HOLDER + METAL BAR) FOR VF51 & VF51-NAV
PART NUMBER: **R501.423**



KIT - DOOR SHELF (SHELF, BOTTLE HOLDER + METAL BAR) FOR VF62
PART NUMBER: **R501.430**



LOAD DUMP CIRCUIT BOARD FOR VF51, VF51-NAV & VF62
PART NUMBER: **R502.0035**



KIT - INTERNAL LED LIGHT FOR VF51, VF51-NAV & VF62
PART NUMBER: **R502.1008L.C**

CAB CONVENIENCE

CARBON MONOXIDE ALARMS



CARBON MONOXIDE ALARM - WHITE WITH NEW SENSOR TECHNOLOGY
PART NUMBER: CMD6-MD
PRODUCT FEATURES: Electrochemical sensor - immediate and stable sensing reduces false alarms
 • Ultra-low current draw - 4 mA • Long sensor life - Approx. 7 year end-of-life (EOL) • Compact design for inconspicuous protection • Internal relay module available for generator shutdown or external signal • Interconnect multiple CMD6 CO alarms - all connected CMD6 alarms sound together • Battery backup •

Microprocessor controlled • Conformal coated circuit board for added protection • Time-weighted average CO measurement process constantly monitors all CO levels
 • Highly resistant to most chemicals, solvents and cleaners • Specifications: Power usage @ 12V DC - 4mA; Alarm Point - 10% COHb; Alarm Horn - 85 dBA; Dimensions - 3.5" x 3.5" x 1.21" (89 mm x 89 mm x 31 mm) • 12/24V DC



CARBON MONOXIDE ALARM - BLACK WITH NEW SENSOR TECHNOLOGY
PART NUMBER: CMD6-MD-B
PRODUCT FEATURES: Electrochemical sensor - immediate and stable sensing reduces false alarms
 • Ultra-low current draw - 4 mA • Long sensor life - Approx. 7 year end-of-life (EOL) • Compact design for inconspicuous protection • Internal relay module available for generator shutdown or external signal • Interconnect multiple CMD6 CO alarms - all connected CMD6 alarms sound together • Battery backup •

Microprocessor controlled • Conformal coated circuit board for added protection • Time-weighted average CO measurement process constantly monitors all CO levels
 • Highly resistant to most chemicals, solvents and cleaners • Specifications: Power usage @ 12V DC - 4mA; Alarm Point - 10% COHb; Alarm Horn - 85 dBA; Dimensions - 3.5" x 3.5" x 1.21" (89 mm x 89 mm x 31 mm) • 12/24V DC

METHANE AND OTHER GAS DETECTOR SYSTEMS

All LNG, CNG and LPG powered vehicles should include a gas detection system for early warning of a dangerous leak. LNG in particular has no odor and cannot be detected by personnel, so a gas detection system is typically required by regulation. These systems meet the requirements of NFPA 52.

SINGLE SENSOR GAS DETECTOR SYSTEMS

The Fireboy-Xintex Single Sensor Gas Detection Systems are engineered for all vehicles operating on Compressed Natural Gas (CNG), Liquefied Natural Gas (LNG) or Propane (LPG).

- The compact, integrated design incorporates the sensor and monitor in a single unit
- Provides early warning of dangerous gas levels in the truck cab
- Includes visual and audible alarms at 20% and 50% of the L.E.L.
- Yellow 'Fault' LED indicates any system issues
- Features 'test and reset' membrane touch button
- Simple installation
- Low power consumption

GAUGES / CLOCKS



DIGITAL ALARM CLOCK - GREEN ILLUMINATION
PART NUMBER: PP604194
FEATURES: Green Illumination • Snooze • Auto Time Advance • Alarm On Indicator • Protected Alarm & Time Set Feature • One Touch Backlighting Operation • Auto Alarm Stop after One Minute • PM Indicator • 2" in diameter



DIGITAL TEMP GAUGE - AMBER ILLUMINATION WITH CHROME BEZEL
PART NUMBER: PP604195
FEATURES: Amber Illumination with Chrome Bezel • Standard In-Dash Gauge • One Touch Backlighting Operation • Inside & Outside Temperature • 16' Long Sealed Outside Sensor • Operation Range: -20° to +160° F • Accuracy +/- 2 Degree Fahrenheit • Adjustable Temp Alarm Set w/Amber LED & Buzzer Warning Alarm • 2" in diameter



DIGITAL ALARM CLOCK - GREEN ILLUMINATION WITH CHROME BEZEL
PART NUMBER: PP604225
FEATURES: Green Illumination w/Chrome Bezel • Snooze • Auto Time Advance • Alarm On Indicator • Protected Alarm & Time Set Feature • One Touch Backlighting Operation • Auto Alarm Stop after One Minute • PM Indicator • 2" in diameter



CNG GAS DETECTION SYSTEM
PART NUMBER: S2B-CNG-X
PRODUCT FEATURES: Integrated Monitor and Sensor • Stylish 2 5/8" Square Black Bezel • Fast wiring and installation • Drill 2 1/8" round hole • Detector alarms at 20% of the L.E.L. Illuminated Red LED • Audible at 50% of the L.E.L. plus Illuminated Red LED • Yellow Fault LED indicates any system issues • Audible Horn • Test and Reset Membrane Touch Button • 12 / 24 VDC • Current Draw @ 12 VDC: 40mA • Reverse Polarity Protected • Made in USA



LPG GAS DETECTION SYSTEM
PART NUMBER: S2B-LPG-X
PRODUCT FEATURES: Integrated Monitor and Sensor • Stylish 2 5/8" Square Black Bezel • Fast wiring and installation • Drill 2 1/8" round hole • Detector alarms at 20% of the L.E.L. Illuminated Red LED • Audible at 50% of the L.E.L. plus Illuminated Red LED • Yellow Fault LED indicates any system issues • Audible Horn • Test and Reset Membrane Touch Button • 12 / 24 VDC • Current Draw @ 12 VDC: 40mA • Reverse Polarity Protected • Made in USA

MULTIPLE SENSOR GAS DETECTOR SYSTEMS

The Fireboy-Xintex Multiple Sensor Gas Detection Systems are engineered for all vehicles operating on Compressed Natural Gas (CNG), Liquefied Natural Gas (LNG) or Propane (LPG).

EACH SYSTEM:

- Incorporates two or three sensors and a monitor / display
- Provides early warning of dangerous gas levels in the engine compartment and driver areas (i.e. cab and/or sleeper)
- Visual and audible alarms at 20% and 50% of the L.E.L.
- Includes an auxiliary output relay (1 A maximum)
- Features 'test' and 'reset' membrane switches
- Simple installation with cables and Deutsch connectors
- Features low power consumption - 30 mA per sensor

A TYPICAL VEHICLE APPLICATION WOULD BE:

- Mount one sensor (usually aluminum) under the hood on the firewall
- Mount one sensor in the cab
- Mount an additional sensor in the sleeper & use the 'X3' three sensor display

TO CONFIGURE A MULTIPLE SENSOR GAS DETECTOR SYSTEM:

Please select a TWO or THREE sensor LED display; the correct number and type of sensors; and correct lengths of cable(s) for the vehicle(s) application.

GAS DETECTOR SYSTEMS - DISPLAYS

FIREBOY - XINTEX



BLACK BEZEL FINISH ROUND GAS DETECTOR DISPLAY MONITOR (FOR TWO SENSORS)
PART NUMBER: **S2BR-M-ECU-X**
FEATURES: Deutsch Connectors • 12 / 24 VDC • Bezel Dims: 2 3/16 inches (56 mm) • Round Housing • Drill 2 1/16" hole • Includes remote alarm horn • Made in the USA

FIREBOY - XINTEX



CHROME FINISH ROUND GAS DETECTOR DISPLAY MONITOR (FOR TWO SENSORS)
PART NUMBER: **S2CR-M-ECU-X**
FEATURES: Deutsch Connectors • 12 / 24 VDC • Bezel Dims: 2 3/16 inches (56 mm) • Round Housing • Drill 2 1/16" hole • Includes remote alarm horn • Made in the USA

FIREBOY - XINTEX



BLACK SQUARE BEZEL GAS DETECTOR DISPLAY MONITOR (FOR TWO SENSORS)
PART NUMBER: **S2B-M-X2-DISPLAY**
FEATURES: Deutsch Connectors • 12 / 24 VDC • Square Bezel Dims: 2 5/8 inches (76 mm) • Includes remote alarm horn • Made in the USA

FIREBOY - XINTEX



BLACK SQUARE BEZEL GAS DETECTOR DISPLAY MONITOR (FOR THREE SENSORS)
PART NUMBER: **S2B-M-X3-DISPLAY**
FEATURES: Deutsch Connectors • 12 / 24 VDC • Square Bezel Dims: 2 5/8 inches (76 mm) • Includes remote alarm horn • 3 sensors identified by 'internal' LED sequence • Made in the USA

FOR CUSTOM FIREBOY-XINTEX GAS DETECTOR SYSTEM COMPONENTS & LEGACY PRODUCTS - PLEASE VISIT WWW.PANAPACIFIC.COM

GAS DETECTOR SYSTEMS - SENSORS

FIREBOY - XINTEX



ANODIZED ALUMINUM GAS SENSOR
PART NUMBER: **MS-7**
FEATURES: Housed in a rugged non-corrosive aluminum housing specifically engineered and designed to operate under the harsh conditions experienced in trucking and bus applications

- Sensor is specific to react to levels of Methane and Natural Gas Fumes, while ignoring other hydro carbons thus ensuring faster response time and elimination of false alarms
- Deutsch connector with boot and heat shrink on wire ends
- Operating Temp: -40°F to 221°F (-40°C to 105°C)
- Current Draw @ 12 VDC: 30 mA per sensor

FIREBOY - XINTEX



ABS THERMOPLASTIC GAS SENSOR
PART NUMBER: **MS-8**
FEATURES: Plastic Housing • Sensor is specific to react to levels of Methane and Natural Gas Fumes, while ignoring other hydro carbons thus ensuring faster response time and elimination of false alarms

- Deutsch connector with boot and heat shrink on wire ends
- Operating Temp: -40°F to 221°F (-40°C to 105°C)
- Current Draw @ 12 VDC: 30 mA per sensor

FIREBOY - XINTEX



ANODIZED ALUMINUM GAS SENSOR WITH LED INDICATOR
PART NUMBER: **MS-9**
FEATURES: Housed in a rugged non-corrosive aluminum housing specifically engineered and designed to operate under the harsh conditions

- experienced in trucking and bus applications
- Sensor is specific to react to levels of Methane and Natural Gas Fumes, while ignoring other hydro carbons thus ensuring faster response time and elimination of false alarms
- Deutsch connector with boot and heat shrink on wire ends
- Operating Temp: -40°F to 185°F (-40°C to 85°C)
- Current Draw @ 12 VDC: 30 mA per sensor

FIREBOY - XINTEX



ABS THERMOPLASTIC GAS SENSOR WITH LED INDICATOR
PART NUMBER: **MS-10**
FEATURES: Plastic Housing • Sensor is specific to react to levels of Methane and Natural Gas Fumes, while ignoring other hydro carbons thus ensuring

- faster response time and elimination of false alarms
- Deutsch connector with boot and heat shrink on wire ends
- Operating Temp: -40°F to 185°F (-40°C to 85°C)
- Current Draw @ 12 VDC: 30 mA per sensor

CAB CONVENIENCE

GAS DETECTOR SYSTEMS - MS-3 CABLES



FIREBOY - XINTEX.

Gas Detector Sensor Extension Cables
Allow extended length to the monitor panel

PART NUMBER: MS-3 CABLE 5	5-foot Connector Cable Sensor AM
PART NUMBER: MS-3CABLE10	10-foot Connector Cable Sensor AM
PART NUMBER: MS-3CABLE15	15-foot Connector Cable Sensor AM
PART NUMBER: MS-3CABLE20	20-foot Connector Cable Sensor AM
PART NUMBER: MS-3CABLE25	25-foot Connector Cable Sensor AM
PART NUMBER: MS-3CABLE30	30-foot Connector Cable Sensor AM
PART NUMBER: MS-3CABLE35	35-foot Connector Cable Sensor AM
PART NUMBER: MS-3CABLE40	40-foot Connector Cable Sensor AM
PART NUMBER: MS-3CABLE45	45-foot Connector Cable Sensor AM
PART NUMBER: MS-3CABLE50	50-foot Connector Cable Sensor AM

FIREBOY - XINTEX.



SPLITTER CABLE FOR GAS DETECTOR SYSTEMS
PART NUMBER: **SPLITTER01-D**

FEATURES: Splitter cable used to add one additional sensor (S2B-M-X) to existing methane gas detector

system • System supports 4 sensors maximum • One splitter needed for each sensor added • Current Draw: 16mA 12VDC

GAS DETECTOR TEST KITS AND COMPONENTS



FIREBOY - XINTEX.

METHANE GAS TEST KIT FOR FIELD TESTING
METHANE GAS DETECTOR SYSTEMS
PART NUMBER: **MTK-20-50**

FEATURES: Methane test kit for field testing Methane Gas Detector Systems. CNG and LNG fueled engines must be tested regularly to maintain accuracy of both the visual and audible alarms. Separate methane

gas cylinders test the different levels of exposure and accuracy in detection on percentage achieved. Test kit includes: One 34L 20% Methane Gas cylinder, one 34L 50% Methane Gas cylinder, .25L/minute, hose, sensor test adapter, and storage case. In the state of California, all LNG trucks must test the Methane Sensors three times a year in equal intervals and maintain the test log in the truck.



FIREBOY - XINTEX.

METHANE GAS TEST KIT FOR FIELD TESTING
METHANE GAS DETECTOR SYSTEMS
PART NUMBER: **MTK-25-50**

FEATURES: Methane test kit for field testing Methane Gas Detector Systems. CNG and LNG fueled engines must be tested regularly to maintain accuracy of both the visual and audible alarms. Separate methane

gas cylinders test the different levels of exposure and accuracy in detection on percentage achieved. Test kit includes: One 34L 25% Methane Gas cylinder, one 34L 50% Methane Gas cylinder, .25L/minute, hose, sensor test adapter, and storage case. In the state of California, all LNG trucks must test the Methane Sensors three times a year in equal intervals and maintain the test log in the truck.



FIREBOY - XINTEX.

20% REPLACEMENT GAS CYLINDER FOR
METHANE GAS DETECTOR SYSTEMS
PART NUMBER: **MTK-CYL-20**

FEATURES: 34L, 20% Replacement Methane Gas cylinder for Methane Gas Field Test Kit (Part Number: MTK-20-50)



FIREBOY - XINTEX.

25% REPLACEMENT
GAS CYLINDER FOR METHANE
GAS DETECTOR SYSTEMS
PART NUMBER: **MTK-CYL-25**
FEATURES: 34L, 25% Replacement
Methane Gas cylinder for Methane Gas
Field Test Kit (Part Number: MTK-25-50)



FIREBOY - XINTEX.

50% REPLACEMENT GAS
CYLINDER FOR METHANE GAS
DETECTOR SYSTEMS
PART NUMBER: **MTK-CYL-50**
FEATURES: 34L, 50% Replacement
Methane Gas cylinder for Methane Gas
Field Test Kits (Part Numbers: MTK-20-50
and MTK-25-50)

FOR CUSTOM FIREBOY-XINTEX GAS DETECTOR SYSTEM
COMPONENTS & LEGACY PRODUCTS - PLEASE VISIT
WWW.PANAPACIFIC.COM

MOBILE MICROWAVE



TRUCK MICROWAVE OVEN
MW SERIES - 120 V
PART NUMBER: **MW700**

FEATURES: Compact size to fit most sleeper cabinets • Compatible with most power inverters • Elegant finish with stainless-steel accents • User-friendly control panel • Removable glass turntable

- Vibration resistant • Guaranteed to work with Tundra inverters (1500 W & up) • 6 auto-cook programs • Defrost & cook by weight • 10 power levels • Timer function
- Specifications: Capacity: 0.7 ft³ / 20 L; Input Power: 120 V / 60 Hz; Cooking Power: 700 W; Maximum Consumption: 1100 W; Display Type: LED display + Child lock; Certification: UL / CSA approved; Warranty: One year • Dimensions (L x H x W): 17.9 x 10.4 x 14.0 in (12.6 in without handle) / 45.5 x 26.4 x 35.6 cm (32.0 cm without handle) • Shipping Dimensions (L x H x W): 19.5 x 11.5 x 15.0 in / 49.5 x 29.2 x 38.1 cm • Weight: 23.4 lb / 10.6 kg • Shipping Weight: 26.0 lb / 11.8 kg

POWER CONVERTERS / BATTERY CHARGERS



45 AMPS ONBOARD INTELLIGENT
BATTERY CHARGER/CONVERTER
PART NUMBER: **IBC45**

FEATURES: Continuous charging power: 45A • High efficiency • Industrial Grade • Fully automated with 4 operating modes - Offers precise monitoring of the battery bank • Ideal for maintaining the batteries in perfect condition - prevents gassing •

Converter mode - Allows the use of DC powered accessories • AC input voltage: 105 - 130 VAC • AC input consumption: 8.3A • DC inputs: Receptacles • Unit Dimensions: 8.3" x 7.3" x 4.5" • Can be linked to Tundra Power Inverters

CAB CONVENIENCE



70 AMPS ONBOARD INTELLIGENT BATTERY CHARGER/CONVERTER PART NUMBER: **IBC70**

FEATURES: Continuous charging power: 70A • High efficiency • Industrial Grade •

Fully automated with 4 operating modes - Offers precise monitoring of the battery bank • Ideal for maintaining the batteries in perfect condition - prevents gassing • Converter mode - Allows the use of DC powered accessories • AC input voltage: 105 - 130 VAC • AC input consumption: 13.1A • DC inputs: Receptacles • Unit Dimensions: 8.0" x 9.0" x 3.6" • Can be linked to Tundra Power Inverters



45 AMPS TRUCK APPROVED BATTERY CHARGER TO INVERTER INSTALLATION KIT PART NUMBER: **CM702**

FEATURES: Industrial grade, complete truck approved installation kit • Allows link to

Tundra IBC45 & IBC70 Onboard Battery Chargers to Tundra Power Inverters (up to 2' from inverter) Kit Includes: 2' section of flexible and high quality welding cable with pre-assembled terminal lugs to connect the negative poles • 2' section of flexible and high quality welding cable with pre-assembled terminal lugs to be used on the positive poles • Also Available in 3 feet (CM703) and 5 feet (CM705) versions

POWER INVERTERS



400W PURE SINE WAVE POWER INVERTER WITH FAST CHARGE USB PART NUMBER: **CPI400PSW**

FEATURES: 400 Watts continuous power - 800 Watts peak power • 90% efficiency •

2 GFCI protected AC outlets • USB-A fast charge port | USB-C fast charge port - charge iPod®, cell phones, tablets and other USB devices • Pentagon Protection® safety • LED Indicator • Compatible with Cobra remote On/Off controller (sold separately) • Rugged Industrial Design • Includes: 16" #10 AWG power cables, 16" 12-volt accessory cable and quick start guide



500W MODIFIED SINE WAVE POWER INVERTER WITH FAST CHARGE USB PART NUMBER: **CPI500W**

FEATURES: 500 Watts continuous power - 1000 Watts peak power • 90% efficiency •

2 GFCI protected AC outlets • USB-A fast charge port | USB-C fast charge port - charge iPod®, cell phones, tablets and other USB devices • Pentagon Protection® safety • LED Indicator • Compatible with Cobra remote On/Off controller (sold separately) • Rugged Industrial Design • Includes: 16" #12 AWG power cables, 16" 12-volt accessory cable and quick start guide



1500W MODIFIED SINE WAVE POWER INVERTER WITH FAST CHARGE USB PART NUMBER: **CPI1500W**

FEATURES: 1500 Watts continuous power - 3000 Watts peak power • 90% efficiency •

4 GFCI protected AC outlets • USB-A fast charge port | USB-C fast charge port - charge iPod®, mobile phones, tablets and other USB devices • Pentagon Protection® - 5 levels of protection against failures: thermal shutdown, reverse polarity protection, over-voltage shutdown, low voltage shutdown and low voltage alarm • LED digital display • Compatible with Cobra remote On/Off controller (sold separately) • Rugged industrial design • Includes: 48" #4 AWG power cables, terminal protector boots and quick start guide

POWER CONVERTER / BATTERY CHARGER INSTALLATION KITS



45 AMPS TRUCK APPROVED BATTERY CHARGER TO BATTERIES INSTALLATION KIT PART NUMBER: **CM4512**

FEATURES: Industrial grade, complete truck approved installation kit • Allows connection of Tundra IBC45 and IBC2524

Onboard Battery Charger to battery bank (up to 12" from batteries) Kit Includes: 12' section of flexible & high quality welding cable with pre-assembled terminal lugs to connect the negative poles • 1' section of flexible & high quality welding cable with pre-assembled terminal lugs to make the connection between the DC fuse holder and the positive pole of the battery • 11' section of flexible & high quality welding cable with pre-assembled terminal lugs to make the connection between the DC fuse holder and the positive pole of the inverter • One DC fuse - appropriate grade • One DC fuse holder • Two waterproof PVC strain reliefs • Protective plastic loom • Metallic cable clamps • Plastic cable ties • Self-tapping screws



70 AMPS TRUCK APPROVED BATTERY CHARGER TO BATTERIES INSTALLATION KIT PART NUMBER: **CM7012**

FEATURES: Industrial grade, complete truck approved installation kit • Allows connection of Tundra IBC70 Onboard

Battery Charger to battery bank (up to 12" from batteries) Kit Includes: 12' section of flexible & high quality welding cable with pre-assembled terminal lugs to connect the negative poles • 1' section of flexible & high quality welding cable with pre-assembled terminal lugs to make the connection between the DC fuse holder and the positive pole of the battery • 11' section of flexible & high quality welding cable with pre-assembled terminal lugs to make the connection between the DC fuse holder and the positive pole of the inverter • One DC fuse - appropriate grade • One DC fuse holder • Two waterproof PVC strain reliefs • Protective plastic loom • Metallic cable clamps • Plastic cable ties • Self-tapping screws

CAB CONVENIENCE



2500W MODIFIED SINE WAVE POWER INVERTER WITH FAST CHARGE USB
PART NUMBER: **CPI2500W**

FEATURES: 2500 Watts continuous power - 5000 Watts peak power • 90% Efficiency • 4 GFCI Protected AC outlets • USB-A fast charge port | USB-C fast charge port - Charge iPod®, mobile phones, tablets & other USB devices • Pentagon Protection® - 5 levels of protection against failures: thermal shutdown, reverse polarity protection, over-voltage shutdown, low voltage shutdown and low voltage alarm • LED digital display • Compatible with Cobra remote On/Off controller (sold separately) • Rugged industrial design • cETL certified • Includes: (4) 48" #4 AWG power cables, terminal protector boots and quick start guide



3000W MODIFIED SINE WAVE POWER INVERTER WITH FAST CHARGE USB
PART NUMBER: **CPI3000W**

FEATURES: 3000 Watts continuous power - 6000 Watts peak power • 90% Efficiency • 4 GFCI Protected AC outlets • USB-A fast charge port | USB-C fast charge port - Charge iPod®, mobile phones, tablets and other USB devices • Pentagon Protection® - 5 levels of protection against failures: thermal shutdown, reverse polarity protection, over-voltage shutdown, low voltage shutdown and low voltage alarm • LED digital display • Rugged industrial design • Includes: Cobra remote On/Off controller (part number: CPIALCDG1) with 15' RJ45 cable, mount clip, (2) M3.5 screws/clips for flush or keyhole mounting, (4) 48" #2 AWG power cables, terminal protector boots and quick start guide



350W MODIFIED SINE WAVE POWER INVERTER
PART NUMBER: **M350**

FEATURES: 350 Watts Continuous output power - 700 Watts Peak output power • Professional Grade • Moderate battery protection (alarm at 10.5 VDC / shut-down at 10.0 VDC) • Software controlled • Operating input voltage 10 - 15 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 90% • AC outputs 1 x NEMA 5 - 15R • Operating temp -30° to 131° F • DC inputs - Lighter Plug + Alligator clips • Unit dimensions: 6.9" x 3.4" x 2.2"



600W MODIFIED SINE WAVE POWER INVERTER
PART NUMBER: **M600**

FEATURES: 600 Watts Continuous output power - 1200 Watts Peak output power • Professional Grade • Moderate battery protection (alarm at 10.5 VDC / shut-down at 10.0 VDC) • Software controlled • Operating input voltage 10 - 15 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 90% • AC outputs 2 x NEMA 5 - 15R • Operating temp -30° to 131° F • DC inputs - 1 meter cables with lugs • Unit dimensions: 9.3" x 5.0" x 3.3"



1000W MODIFIED SINE WAVE POWER INVERTER
PART NUMBER: **M1000**

FEATURES: 1000 Watts Continuous output power - 2000 Watts Peak output power • Professional Grade • Moderate battery protection (alarm at 10.5 VDC / shut-down at 10.0 VDC) • Software controlled • Operating input voltage 10 - 15 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 90% • AC outputs 2 x NEMA 5 - 15R • Operating temp -30° to 131° F • DC inputs - Blocks for 3/8" terminals • Unit dimensions: 11.6" x 7.1" x 3.3"



NEW GENII SERIES 1500W MODIFIED SINE WAVE POWER INVERTER WITH BATTERY OPTIMIZATION TECHNOLOGY
PART NUMBER: **M1500**

FEATURES: The NEW GENII Series of inverters is engineered with one goal in mind: to provide unmatched performance for truck drivers and fleet owners. These inverters feature Tundra's latest innovation - Power Saving Technology (PST) - which will trigger a **complete** shutdown after 1 hour in error code mode. Many other brands of inverters continue to deplete the batteries after an error code shutdown, PST prevents catastrophic and costly battery drainage. Inverter Specifications: 1500W Continuous output power - 3000W Peak output power • Professional Grade • Moderate battery protection (alarm at 11.5 VDC / shut-down at 11.0 VDC) • Software controlled • Operating input voltage 11 - 16 VDC • Output voltage 120 VAC +/- 3% • Adjustable Battery Optimization Technology (BOT) allows manual selection between two distinctive modes of battery anti-discharge protections: Autonomy mode: 10 VDC or Engine Start mode: 11 VDC • AC efficiency (Peak) 93% • AC outputs 2 x NEMA 5 - 15R • Operating temperatures -30° to 131° F • Liquid Crystal Display • DC inputs - Blocks for 3/8" terminals • Unit dimensions: 15.9" x 7.1" x 3.3" (40.4 cm x 18 cm x 9 cm) Unit weight: 8 lbs. (3.6 kg)



NEW GENII SERIES 2000W MODIFIED SINE WAVE POWER INVERTER WITH BATTERY OPTIMIZATION TECHNOLOGY
PART NUMBER: **M2000**

FEATURES: The NEW GENII Series of inverters is engineered with one goal in mind: to provide unmatched performance for truck drivers and fleet owners. These inverters feature Tundra's latest innovation - Power Saving Technology (PST) - which will trigger a **complete** shutdown after 1 hour in error code mode. Many other brands of inverters continue to deplete the batteries after an error code shutdown, PST prevents catastrophic and costly battery drainage. Inverter Specifications: 2000W Continuous output power - 4000W Peak output power • Professional Grade • Moderate battery protection (alarm at 11.5 VDC / shut-down at 11.0 VDC) • Software controlled • Operating input voltage 11 - 16 VDC • Output voltage 120 VAC +/- 3% • Adjustable Battery Optimization Technology (BOT) allows manual selection between two distinctive modes of battery anti-discharge protections: Autonomy mode: 10 VDC or Engine Start mode: 11 VDC • AC efficiency (Peak) 93% • AC outputs 2 x NEMA 5 - 15R • Operating temperatures -30° to 131° F • Liquid Crystal Display • DC inputs - Blocks for 3/8" terminals • Unit dimensions: 16.9" x 7.1" x 3.5" (43 cm x 18 cm x 9 cm) Unit weight: 8.6 lbs. (4.0 kg)



NEW GENII SERIES 2500W MODIFIED SINE WAVE POWER INVERTER WITH BATTERY OPTIMIZATION TECHNOLOGY
PART NUMBER: **M2500**

FEATURES: The NEW GENII Series of inverters is engineered with one goal in mind: to provide unmatched performance for truck drivers and fleet owners. These inverters feature Tundra's latest innovation - Power Saving Technology (PST) - which will trigger a **complete** shutdown after 1 hour in error code mode. Many other brands of inverters continue to deplete the batteries after an error code shutdown, PST prevents catastrophic and costly battery drainage. Inverter Specifications: 2500W Continuous output power 5000W Peak output power • Steel casing & high cooling efficiency • Industrial Grade • Moderate battery protection (alarm at 11.5 VDC / shut-down at 11.0 VDC) • Software controlled • Operating input voltage 10 - 15 VDC / Adjustable Battery Optimization Technology (BOT) allows manual selection between two distinctive modes of battery anti-discharge protections: Autonomy mode: 10 VDC or Engine Start mode: 11 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 92% • AC outputs 2 x NEMA 5 - 15R + hardwire • Operating temp -30° to 131° F • Liquid Crystal Display • DC inputs - Blocks for 3/8" terminals • Unit dim: 22.1" x 8.5" x 5.1"

CAB CONVENIENCE



NEW GENII SERIES
3000W MODIFIED SINE WAVE
POWER INVERTER WITH BATTERY
OPTIMIZATION TECHNOLOGY
PART NUMBER: M3000

FEATURES: The NEW GENII Series of inverters is engineered with one goal in mind: to provide unmatched performance

for truck drivers and fleet owners. These inverters feature Tundra's latest innovation – Power Saving Technology (PST) - which will trigger a **complete** shutdown after 1 hour in error code mode. Many other brands of inverters continue to deplete the batteries after an error code shutdown, PST prevents catastrophic and costly battery drainage. Inverter Specifications: 3000W Continuous output power 6000W Peak output power • Steel casing and high cooling efficiency • Industrial Grade • Moderate battery protection (alarm at 11.5 VDC / shut-down at 11.0 VDC) • Software controlled • Operating input voltage 10 - 15 VDC / Adjustable Battery Optimization Technology (BOT) allows manual selection between two distinctive modes of battery anti-discharge protections: Autonomy mode: 10 VDC or Engine Start mode: 11 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 92% • AC outputs 2 x NEMA 5 - 15R + hardwire • Operating temp -30° to 131° F • Liquid Crystal Display • DC inputs - Blocks for 3/8" terminals • Unit dim: 22.1" x 8.5" x 5.1"



24 VOLT
2500W MODIFIED SINE WAVE
POWER INVERTER WITH BATTERY
OPTIMIZATION TECHNOLOGY
PART NUMBER: M2524

FEATURES: 2500W Continuous output

power 5000W Peak output power • Steel casing & high cooling efficiency • Industrial Grade • Moderate battery protection (alarm at 11.5 VDC / shut-down at 11.0 VDC) • Software controlled • Operating input voltage 20 - 30 VDC / Adjustable Battery Optimization Technology (BOT) allows manual selection between two distinctive modes of battery anti-discharge protections: Autonomy mode: 10 VDC or Engine Start mode: 11 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 92% • AC outputs 2 x NEMA 5 - 15R + hardwire • Operating temp -30° to 131° F • Liquid Crystal Display • DC inputs - Blocks for 3/8" terminals • Unit dim: 22.1" x 8.5" x 5.1"



24 VOLT
3000W MODIFIED SINE WAVE
POWER INVERTER WITH BATTERY
OPTIMIZATION TECHNOLOGY
PART NUMBER: M3024

FEATURES: 3000W Continuous output

power 6000W Peak output power • Steel casing & high cooling efficiency • Industrial Grade • Moderate battery protection (alarm at 11.5 VDC / shut-down at 11.0 VDC) • Software controlled • Operating input voltage 20 - 30 VDC / Adjustable Battery Optimization Technology (BOT) allows manual selection between two distinctive modes of battery anti-discharge protections: Autonomy mode: 10 VDC or Engine Start mode: 11 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 92% • AC outputs 2 x NEMA 5 - 15R + hardwire • Operating temp -30° to 131° F • Liquid Crystal Display • DC inputs - Blocks for 3/8" terminals • Unit dim: 22.1" x 8.5" x 5.1"



300W PURE SINE WAVE
POWER INVERTER
PART NUMBER: S300

FEATURES: 300 Watts Continuous output power - 600 Watts Peak output power • High efficiency • Professional Grade • Moderate

battery protection (alarm at 10.5 VDC / shut-down at 10.0 VDC) • Software controlled • Operating input voltage 10 - 15 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 98% • AC outputs 2 x NEMA 5 - 15R • Operating temperature -30° to 131° F • DC inputs - Screws for 6 terminals • Unit dim: 10.2" x 5.1" x 3.3"



600W PURE SINE WAVE
POWER INVERTER
PART NUMBER: S600

FEATURES: 600 Watts Continuous output power - 1200 Watts Peak output power • High efficiency • Professional Grade • Moderate battery protection (alarm at 10.5

VDC / shut-down at 10.0 VDC) • Software controlled • Operating input voltage 10 - 15 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 98% • AC outputs 1 x NEMA 5 - 15R • Operating temp -30° to 131° F • DC inputs - Blocks for 3/8" terminals • Unit dim: 13.5" x 11.0" x 3.3"



1200W PURE SINE WAVE
POWER INVERTER
PART NUMBER: S1200

FEATURES: 1200 Watts Continuous output power - 2400 Watts Peak output power • High efficiency • Professional Grade •

Moderate battery protection (alarm at 10.5 VDC / shut-down at 10.0 VDC) • Software controlled • Operating input voltage 10 - 15 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 98% • AC outputs 2 x NEMA 5 - 15R • Operating temp -30° to 131° F • DC inputs - Blocks for 3/8" terminals • Unit dim: 16.7" x 7.1" x 3.3"



1800W PURE SINE WAVE
POWER INVERTER WITH BATTERY
OPTIMIZATION TECHNOLOGY
PART NUMBER: S1800

FEATURES: 1800 Watts Continuous output power - 3600 Watts Peak output power • High efficiency • Industrial Grade •

Moderate battery protection (alarm at 11.5 VDC / shut-down at 11.0 VDC) • Software controlled • Operating input voltage 10 - 15 VDC / Adjustable Battery Optimization Technology (BOT) allows manual selection between two distinctive modes of battery anti-discharge protections: Autonomy mode: 10 VDC or Engine Start mode: 11 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 98% • AC outputs 2 x NEMA 5 - 15R + hardwire • Operating temps -30° to 131° F • Liquid Crystal Display • DC inputs - Blocks for 3/8" terminals • Unit dim: 22.4" x 10.8" x 4.1"



2500W PURE SINE WAVE POWER
INVERTER
WITH BATTERY OPTIMIZATION
TECHNOLOGY
PART NUMBER: S2500

FEATURES: 2500 Watts Continuous output power - 5000 Watts Peak output power • High efficiency • Industrial Grade •

Moderate battery protection (alarm at 11.5 VDC / shut-down at 11.0 VDC) • Software controlled • Operating input voltage 10 - 15 VDC / Adjustable Battery Optimization Technology (BOT) allows manual selection between two distinctive modes of battery anti-discharge protections: Autonomy mode: 10 VDC or Engine Start mode: 11 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 98% • AC outputs 2 x NEMA 5 - 15R + hardwire • Operating temps -30° to 131° F • Liquid Crystal Display • DC inputs - Blocks for 3/8" terminals • Unit dim: 22.4" x 10.8" x 4.1"

CAB CONVENIENCE



3000W PURE SINE WAVE POWER INVERTER WITH BATTERY OPTIMIZATION TECHNOLOGY
PART NUMBER: S3000
FEATURES: 3000 Watts Continuous output power - 6000 Watts Peak output power • High efficiency • Industrial Grade • Moderate battery protection (alarm at 11.5 VDC / shut-down at 11.0 VDC) • Software controlled • Operating input voltage 10 - 15 VDC / Adjustable Battery Optimization

Technology (BOT) allows manual selection between two distinctive modes of battery anti-discharge protections: Autonomy mode: 10 VDC or Engine Start mode: 11 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 98% • AC outputs 2 x NEMA 5 - 15R + hardwire • Operating temps -30° to 131° F • Liquid Crystal Display • DC inputs - Blocks for 3/8" terminals • Unit dim: 22.4" x 10.8" x 4.1"



24 VOLT 2500W PURE SINE WAVE POWER INVERTER WITH BATTERY OPTIMIZATION TECHNOLOGY
PART NUMBER: S2524
FEATURES: 2500 Watts Continuous output power - 5000 Watts Peak output power • High efficiency • Industrial Grade • Moderate battery protection (alarm at 11.5 VDC / shut-down at 11.0 VDC) • Software

controlled • Operating input voltage 20 - 30 VDC / Adjustable Battery Optimization Technology (BOT) allows manual selection between two distinctive modes of battery anti-discharge protections: Autonomy mode: 10 VDC or Engine Start mode: 11 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 98% • AC outputs 2 x NEMA 5 - 15R + hardwire • Operating temps -30° to 131° F • Liquid Crystal Display • DC inputs - Blocks for 3/8" terminals • Unit dim: 22.4" x 10.8" x 4.1"



24 VOLT 3000W PURE SINE WAVE POWER INVERTER WITH BATTERY OPTIMIZATION TECHNOLOGY
PART NUMBER: S3024
FEATURES: 3000 Watts Continuous output power - 6000 Watts Peak output power • High efficiency • Industrial Grade • Moderate battery protection (alarm at 11.5 VDC / shut-down at 11.0 VDC) • Software

controlled • Operating input voltage 20 - 30 VDC / Adjustable Battery Optimization Technology (BOT) allows manual selection between two distinctive modes of battery anti-discharge protections: Autonomy mode: 10 VDC or Engine Start mode: 11 VDC • Output voltage 120 VAC +/- 3% • AC efficiency (Peak) 98% • AC outputs 2 x NEMA 5 - 15R + hardwire • Operating temps -30° to 131° F • Liquid Crystal Display • DC inputs - Blocks for 3/8" terminals • Unit dim: 22.4" x 10.8" x 4.1"



POWERVERTER RV INVERTER/CHARGER
PART NUMBER: MRV2012UL
FEATURES: Tripp Lite's MRV2012UL Inverter/Charger is the quiet alternative to gas generators - with no fumes, fuel or noise to deal with. It provides equipment with utility or generator-supplied AC electricity filtered through premium ISOBAR surge protection. This heavy-duty DC-to-AC inverter w/automatic line-to-battery transfer and integrated charging system serves as an

extended-run UPS, a standalone power source or an automotive inverter suitable for rugged applications. Supplies up to 2000 watts of continuous 120V AC power from any 12V DC battery or automotive DC source. OverPower™ inverter output feature temporarily provides up to 150% of the continuous output for up to 60 minutes & DoubleBoost™ inverter output feature delivers up to 200% of the continuous output for up to 10 seconds, providing the extra power needed to cold-start heavy-duty power tools and motorized equipment. When hardwire AC input is energized, commercial power passes through to connected equipment and the battery set is recharged via a 3-stage charging system with user-selectable 25/100 amp charger output. In UPS mode, the MRV APS system responds to blackouts and voltage fluctuations with a near-instantaneous automatic transfer to battery-derived AC output. Includes a set of high-current DC input terminal posts for simple installation (user supplies batteries/cabling - see owner's manual). Passes sine wave utility or generator power during battery charging and UPS line power operation, plus efficient PWM sine wave AC output in inverter and UPS backup modes. Reliable large transformer design w/frequency control powers resistive electronic loads or large inductive motors, compressors and other items with high current needs on startup. Optional APSRM4 wired remote control module w/full status LEDs provides remote power inverter on/off switching & continuous status info (APSRM4 sold separately). Supports an unlimited amount of runtime with any number of user-supplied batteries connected. Highly adaptable to a variety of applications and site conditions with adjustable charger settings for wet/gel battery types and selectable line to battery power transfer voltages. Also serves as a standalone alternative power source for off-grid, alternative energy or export applications and as an uninterruptible power supply (UPS) for equipment compatible with a 16.6 millisecond transfer time. Includes: battery temp sensor cable and conduit hanger.



1800W POWERVERTER ULTRA-COMPACT INVERTER - PORTABLE POWER INVERTER
PART NUMBER: PV1800HF
FEATURES: Harness the vehicle's battery to efficiently power office equipment on the road or power tools at a work site • Continuously supplies up to 1800 watts of

120V AC power to 3 AC outlets from any 12V battery or automotive DC source. Includes a set of nut-and-bolt style DC terminals for simple installation • Super-compact, lightweight metal case design is among the smallest, most rugged inverters available at this power level



3000W POWERVERTER ULTRA-COMPACT INVERTER - PORTABLE POWER INVERTER
PART NUMBER: PV3000HF
FEATURES: Harness the vehicle's battery to efficiently power appliances/equipment on the road or power tools at a work site. Continuously supplies up to 3000 watts of

120V AC power to 4 AC outlets from any 12V battery or automotive DC source. Includes a PV remote and 25 feet of cable. Super-compact, lightweight metal case design is among the smallest, most rugged inverters available at this power level. Package Includes: remote control LED/switch module and 25-ft. cable

POWER INVERTER BUNDLES

TWO YEARS OF WARRANTY COVERAGE –
 EXTEND WARRANTY COVERAGE WITH AN ADDITIONAL
 YEAR BY INSTALLING A TUNDRA POWER INVERTER WITH
 A TUNDRA POWER INVERTER INSTALLATION KIT.
 BUNDLED KITS ARE AVAILABLE FOR ORDERING AND
 SHIPPING CONVENIENCE.



VALUE BUNDLE

NEW GENII SERIES
 1500W MODIFIED SINE WAVE
 POWER INVERTER WITH BATTERY
 OPTIMIZATION TECHNOLOGY
PLUS

1500W TRUCK APPROVED POWER
 INVERTER INSTALLATION KIT
 PART NUMBER: **M1500B12**

FEATURES: Bundle includes: one M1500 - Tundra
 1500 Watts Continuous output power - 3000 Watts
 Peak output Power Inverter (see complete product
 details listed on page 34) and one CM1512 - Tundra
 1500W Truck Approved Power Inverter Installation
 Kit with 12-foot cables (see complete product
 details listed in right column on this page)



VALUE BUNDLE

NEW GENII SERIES
 2000W MODIFIED SINE WAVE
 POWER INVERTER WITH BATTERY
 OPTIMIZATION TECHNOLOGY
PLUS

2000W TRUCK APPROVED POWER
 INVERTER INSTALLATION KIT
 PART NUMBER: **M2000B12**

FEATURES: Bundle Includes: one M2000 -
 Tundra 2000 Watts Continuous output power -
 4000 Watts Peak output Power Inverter (see
 complete product details on page 34) and one
 CM2012 - Tundra 2000W Truck Approved Power
 Inverter Installation Kit with 12-foot cables (see
 complete product details on page 38)



VALUE BUNDLE

NEW GENII SERIES
 2500W MODIFIED SINE WAVE
 POWER INVERTER WITH BATTERY
 OPTIMIZATION TECHNOLOGY
PLUS

2500W TRUCK APPROVED POWER
 INVERTER INSTALLATION KIT
 PART NUMBER: **M2500B12**

FEATURES: Bundle Includes: one M2500 - Tundra
 2500 Watts Continuous output power - 5000 Watts
 Peak output Power Inverter (see complete product
 details on page 34) and one CM2512 - Tundra
 2500W Truck Approved Power Inverter Installation
 Kit with 12-foot cables (see complete product
 details on page 38)



POWER INVERTER INSTALLATION KITS & PARTS



REMOTE CONTROL MODULE FOR
 TRIPP LITE POWER INVERTERS
 PART NUMBER: **APSRM4**

FEATURES: Tripp Lite's APSRM4 provides
 remote monitoring & control of select Tripp Lite Inverters (PV series) and Inverter/
 Chargers (RV, APS and EMS series), which feature an RJ-style connector. For
 complete list of features - please visit www.panapacific.com. Package Includes:
 Remote Control Module • Face Plate • 50-ft. Remote Control Cord • 25-ft. Master
 Override Cord • LED labels and Instruction Manual



1000W TRUCK APPROVED POWER
 INVERTER INSTALLATION KIT
 PART NUMBER: **CM1012**

FEATURES: Industrial grade, truck
 approved installation kit • Allows connection
 of Tundra M1000 & S600 Power Inverters and
 Tundra IBC80 and IBC4024 onboard battery
 chargers to battery bank (up to 12' from
 batteries) • Plug and play • Best efficiency
 and superior safety level. Kit Includes: 12' section of flexible & high quality welding
 cable w/ pre-assembled terminal lugs to connect the negative poles • 1' section
 of flexible & high quality welding cable w/ pre-assembled terminal lugs to make
 the connection between the DC fuse holder and the positive pole of the battery •
 11' section of flexible & high quality welding cable w/ pre-assembled terminal lugs
 to make the connection between the DC fuse holder and the positive pole of the
 inverter • One DC fuse - appropriate grade • One DC fuse holder • Two waterproof
 PVC strain reliefs • Protective plastic loom • Metallic cable clamps • Plastic cable ties
 • Self-tapping screws • Also available in 6, 8 and 10 ft versions (special orders)



1500W TRUCK APPROVED POWER
 INVERTER INSTALLATION KIT
 PART NUMBER: **CM1512**

FEATURES: Industrial grade, truck
 approved installation kit • Allows connection
 of Tundra M1500, S1200, M2524 and S2524
 Power Inverters to battery bank (up to
 12' from batteries) • Plug and play • Best
 efficiency and superior safety level. Kit
 Includes: 12' section of flexible & high quality welding
 cable w/ pre-assembled terminal lugs to connect the negative poles • 1' section of flexible & high quality
 welding cable w/ pre-assembled terminal lugs to make the connection between
 the DC fuse holder and the positive pole of the battery • 11' section of flexible &
 high quality welding cable w/ pre-assembled terminal lugs to make the connection
 between the DC fuse holder and the positive pole of the inverter • One DC fuse
 - appropriate grade • One DC fuse holder • Two waterproof PVC strain reliefs •
 Protective plastic loom • Metallic cable clamps • Plastic cable ties • Self-tapping
 screws • Also available in 6, 8 and 10 ft versions (special orders)

CAB CONVENIENCE



2000W TRUCK APPROVED POWER INVERTER INSTALLATION KIT
PART NUMBER: CM2012
FEATURES: Industrial grade, truck approved installation kit • Allows connection of Tundra M2000, S1800, M3024 and S3024 Power Inverters to battery bank (up to 12' from batteries) • Plug and play • Best efficiency and superior safety level. Kit Includes: 12' section of flexible & high quality welding cable w/ pre-assembled terminal



lugs to connect the negative poles • 1' section of flexible & high quality welding cable w/ pre-assembled terminal lugs to make the connection between the DC fuse holder and the positive pole of the battery • 11' section of flexible & high quality welding cable w/ pre-assembled terminal lugs to make the connection between the DC fuse holder and the positive pole of the inverter • One DC fuse - appropriate grade • One DC fuse holder • Two waterproof PVC strain reliefs • Protective plastic loom • Metallic cable clamps • Plastic cable ties • Self-tapping screws • Also available in 6, 8 and 10 ft versions (special orders)



2500W TRUCK APPROVED POWER INVERTER INSTALLATION KIT
PART NUMBER: CM2512
FEATURES: Industrial grade, truck approved installation kit • Allows connection of Tundra M2500 and S2500 Power Inverters to battery bank (up to 12' from batteries) • Plug and play • Best efficiency and superior safety level. Kit Includes: 12' section of flexible & high quality welding cable with



pre-assembled terminal lugs to connect the negative poles • 1' section of flexible & high quality welding cable with pre-assembled terminal lugs to make the connection between the DC fuse holder and the positive pole of the battery • 11' section of flexible & high quality welding cable with pre-assembled terminal lugs to make the connection between the DC fuse holder and the positive pole of the inverter • One DC fuse - appropriate grade • One DC fuse holder • Two waterproof PVC strain reliefs • Protective plastic loom • Metallic cable clamps • Plastic cable ties • Self-tapping screws • Also available in 6, 8 and 10 ft versions (special orders)



3000W TRUCK APPROVED POWER INVERTER INSTALLATION KIT
PART NUMBER: CM3012
FEATURES: Industrial grade, truck approved installation kit • Allows connection of Tundra M3000 and S3000 Power Inverters to battery bank (up to 12' from batteries) • Plug and play • Best efficiency and superior



safety level. Kit Includes: 12' section of flexible & high quality welding cable with pre-assembled terminal lugs to connect the negative poles • 1' section of flexible & high quality welding cable with pre-assembled terminal lugs to make the connection between the DC fuse holder and the positive pole of the battery • 11' section of flexible & high quality welding cable with pre-assembled terminal lugs to make the connection between the DC fuse holder and the positive pole of the inverter • One DC fuse - appropriate grade • One DC fuse holder • Two waterproof PVC strain reliefs • Protective plastic loom • Metallic cable clamps • Plastic cable ties • Self-tapping screws • Also available in 6, 8 and 10 ft versions (special orders)



REMOTE ON/OFF SWITCH FOR COBRA POWER INVERTERS
PART NUMBER: CPIA20
FEATURES: For use with CPI1575, and CPI2575. The remote works from up to 20 feet (6 m) away - when inverter is mounted out of reach and sight.
WHILE SUPPLIES LAST



PRO CABLE INSTALLATION KIT FOR 1500W TO 3000W COBRA POWER INVERTERS
PART NUMBER: CPIA20CK
FEATURES: Professional grade power cables for 1500W to 3000W power inverters • 12-foot heavy-duty #2 AWG cables for direct-to-battery cable installation • Adhesive lined shrink tubing for a clean install and to prevent corrosion at the battery terminals • Includes: 12' red #2 AWG power cable, 12' black #2 AWG power cable, 4 battery terminal contacts and adhesive lined tubing



HEAVY-DUTY POWER CABLES
PART NUMBER: CPIA4000BC
FEATURES: 10 Ft. #4 AWG Heavy-Duty Cables with Ring Terminals • 8 Ft. #8 AWG Chassis Ground Cable with Terminals • Additional Terminals Included
WHILE SUPPLIES LAST



REMOTE ON/OFF CONTROLLER WITH FAST CHARGE USB
PART NUMBER: CPIALCDG1
FEATURES: Use to remotely turn on/off power inverter from anywhere inside the vehicle • Four mounting options: flush mounting for permanent installation; keyhole

mount for on-wall mounting; cup holder mounting for convenience while driving; and clip mount for easy installation to back seat or other area of vehicle • USB-A fast charge port | USB-C fast charge port • Compatible with Cobra power inverters: CPI400PSW, CPI500W, CPI1500W, CPI2500W and CPI3000W • Includes: 15' RJ-45 cable, clip mount, (2) M3.5 screws for flush or keyhole mounting and guide



Replacement Fuses for Tundra Cables
PART NUMBER: F60 - DC - fuse / 60 amps
PART NUMBER: F80 - DC - fuse / 80 amps
PART NUMBER: F100 - DC - fuse / 100 amps
PART NUMBER: F150 - DC - fuse / 150 amps
PART NUMBER: F200 - DC - fuse / 200 amps
PART NUMBER: F250 - DC - fuse / 250 amps
PART NUMBER: F300 - DC - fuse / 300 amps



Fuse Holder for Tundra Fuse
PART NUMBER: FB500T

POWER OUTLETS (120 V) - IN-CAB USE



IN-CAB POWER OUTLET (120 V) WITH 2.0 M (6' 6") CORD
PART NUMBER: IPO20
FEATURES: The Tundra in-cab system of 120 V power outlets eliminates the problem of how to get electric current from power inverters into truck cabs. Made to the highest quality standards, the Tundra IPO series of AC outlets is the ideal solution for cleaner and safer electrical installations • 120 volts • 15A - 1800W • 2.0 m (78.5") cord



IN-CAB POWER OUTLET (120 V) WITH 3.0 M (9' 10") CORD
PART NUMBER: IPO30
FEATURES: The Tundra in-cab system of 120 V power outlets eliminates the problem of how to get electric current from power inverters into truck cabs. Made to the highest quality standards, the Tundra IPO series of AC outlets is the ideal solution for cleaner and safer electrical installations • 120 volts • 15A - 1800W • 3.0 m (118.0") cord



IN-CAB POWER OUTLET (120 V) WITH 4.0 M (13' 1") CORD
PART NUMBER: IPO40
FEATURES: The Tundra in-cab system of 120 V power outlets eliminates the problem of how to get electric current from power inverters into truck cabs. Made to the highest quality standards, the Tundra IPO series of AC outlets is the ideal solution for cleaner and safer electrical installations • 120 volts • 15A - 1800W • 4.0 m (157.5") cord



24" - Y CORD WITH 1 INPUT PLUG AND 2 OUTPUT SOCKETS FOR USE WITH TUNDRA IN-CAB POWER OUTLETS
PART NUMBER: IPOYN
FEATURES: The Tundra in-cab system of 120 V power outlets eliminates the problem of how to get electric current from power inverters into truck cabs. Made to the highest quality standards, the Tundra IPO series of AC outlets is the ideal solution for cleaner and safer electrical installations • 24" Y Cord with 1 input plug and 2 output sockets • 15A - 1800W



24" - Y CORD WITH HARD WIRE INPUT AND 2 OUTPUT SOCKETS FOR USE WITH TUNDRA IN-CAB POWER OUTLETS
PART NUMBER: IPOYH
FEATURES: The Tundra in-cab system of 120 V power outlets eliminates the problem of how to get electric current from power inverters into truck cabs. Made to the highest quality standards, the Tundra IPO series of AC outlets is the ideal solution for cleaner and safer electrical installations • 24" Y Cord with hard wire input and 2 output sockets • 15A - 1800W



Included in this kit:
 1 - IPO20
 1 - IPO30
 1 - IPO40
 1 - IPOYN

FULL KIT
TUNDRA IN-CAB POWER OUTLET
PART NUMBER: MP3Y15

FEATURES: The Tundra in-cab system of 120 V power outlets eliminates the problem of how to get electric current from power inverters into truck cabs. Made to the highest quality standards, the Tundra IPO series of AC outlets is the ideal solution for cleaner and safer electrical installations • **KIT INCLUDES:** one IPO20 (2.0 m cord), one IPO30 (3.0 m cord), one IPO40 (4.0 m cord) and one IPOYN (24" Y Cord with input plug and two output sockets) - **For NEMA sockets**



Included in this kit:
 1 - IPO20
 1 - IPO30
 1 - IPO40
 1 - IPOYH

FULL KIT
TUNDRA IN-CAB POWER OUTLET
PART NUMBER: HW3Y20

FEATURES: The Tundra in-cab system of 120 V power outlets eliminates the problem of how to get electric current from power inverters into truck cabs. Made to the highest quality standards, the Tundra IPO series of AC outlets is the ideal solution for cleaner and safer electrical installations • **KIT INCLUDES:** one IPO20 (2.0 m cord), one IPO30 (3.0 m cord), one IPO40 (4.0 m cord) and one IPOYH (24" Y Cord with hard wire input and two output sockets) - **For hardwire outlet**

CAB CONVENIENCE

VEHICLE MAGNETIC MOUNTS FOR MOBILE DEVICES



Mob Armor smartphone and tablet products take an innovative approach to securing mobile devices in commercial vehicles. Mob Armor products are designed to perform in unforgiving cab environments and on rough terrain. Mob Armor products are built to last by using metal components, robust design, and an obsession for quality.

HANDHELD RADIO MOUNT



MOB ARMOR RAD MOUNT
KEEP A HANDHELD RADIO WITHIN REACH

PART NUMBER: **MOB-RAD-HH**

FEATURES: The aluminum construction provides a lightweight mounting solution for handheld radios • Stick it to any ferrous surface, hard mount it, or use the included

steel disc for alternative mounting solutions • Made from 5052 aluminum alloy and featuring a 90 lb pull-force magnet and rubber pads for shock absorption • Most popular compatible radios Baofeng UV-5R; UV-82 | Icom F1000 and F2000 | Kenwood NX-1200, TK-2312 and TK-3312 | Motorola VX-261

SMARTPHONE MOUNTS



MOB ARMOR MOB MOUNT CLAW
TWO SIZES AVAILABLE

PART NUMBER: **MOBC2-BLK-LG**

MOBC2-BLK-SM

FEATURES: The Claw mounts allow for mounting cell phones onto handlebars, roll cages, square or irregular shaped tubing • Can be used on tubing sized as small as 1/4" all the way up to 2" • Made from 5052 aluminum alloy • Adjustable tab to

accommodate any phone size • Twist lock that can quickly and easily secure device • Attachment bracket to allow different mounting options • High density closed-cell EVA foam protects from shock & vibration

MOBC2-BLK-LG: Compatible with the following phones, with or without a case: iPhone 6 Plus/6S Plus/7 Plus/8 Plus, LG G3/G4, Moto X (2nd Gen), Moto G (2nd Gen), Nexus 6, OnePlus One, Sony Xperia Z3, HTC 612/One M8 and Samsung S3/S4/S5/S6/S6 Edge/Note 3/Note 4/Note 5/Note 5 Edge/Note 7

MOBC2-BLK-SM: Compatible with the following phones, with or without a case: iPhone 5, 5C, 6, 6S, SE, 7, 8, Google Pixel, Pixel 2, LG G2, LG Nexus 5, HTC One M7, M8, X, Blackberry Classic, Curve 9320, Bold 9790, Z10, Leap

DO NOT USE WITH CREDIT CARD PHONE CASES.
MAGNETS CAN CAUSE HARM TO CREDIT CARDS.

MAGNETS MAY INTERFERE WITH
QI WIRELESS CHARGING.



MOB ARMOR MOB MOUNT
TWO SIZES AVAILABLE
PART NUMBER: **MOBM2-BLK-LG**
MOBM2-BLK-SM

FEATURES: The magnetic mount options come with a 90 pound-pull neodymium magnet that can attach to any ferrous metal surface • Made from 5052 aluminum alloy • Adjustable tab to accommodate any phone size • Twist lock that can quickly and easily

secure device • Attachment bracket to allow different mounting options • High density closed-cell EVA foam protects from shock & vibration • Screw hardware and wrench to switch between mounts • Includes a rubber boot accessory that will decrease the strength of the magnet to half the original pull • Each option includes steel mounting discs (Mob Disc- weather-proof with a VHB adhesive backing to attach the mount to any flat surface)

MOBM2-BLK-LG: Compatible with the following phones, with or without a case: iPhone 6 Plus/6S Plus/7 Plus/8 Plus, LG G3/G4, Moto X (2nd Gen), Moto G (2nd Gen), Nexus 6, OnePlus One, Sony Xperia Z3, HTC 612/One M8 and Samsung S3/S4/S5/S6/S6 Edge/Note 3/Note 4/Note 5/Note 5 Edge/Note 7

MOBM2-BLK-SM: Compatible with the following phones, with or without a case: iPhone 5, 5C, 6, 6S, SE, 7, 8, Google Pixel, Pixel 2, LG G2, LG Nexus 5, HTC One M7, M8, X, Blackberry Classic, Curve 9320, Bold 9790, Z10, Leap



MOB ARMOR
MOB MOUNT MARBALL
TWO SIZES AVAILABLE
PART NUMBER: **MOBMAR2-BLK-LG**
MOBMAR2-BLK-SM

FEATURES: The Mob Armor Marball phone mount cradles work with other brands' 1 inch ball base/socket mounting systems (the Marball mounts do not come with a

base) • Easy to install: simply insert the Marball cradle on to a 1" ball mount base • Made from 5052 aluminum alloy • Adjustable tab to accommodate any phone size • Twist lock that quickly and easily secures a device • Attachment bracket to allow for switching between different mounting options • High density closed-cell EVA foam protects from shock and vibration • See 'Switch Marball Accessory, part number **MARBALL-ACC**, for added versatility in adapting the Marball mounts to other brands' 1 inch ball-socket mounting system

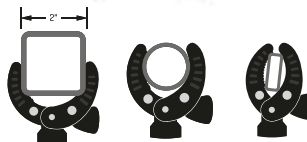
MOBMAR2-BLK-LG: Compatible with the following phones, with or without a case: iPhone 6 Plus/6S Plus/7 Plus/8 Plus/XS Max/XR, LG G3/G4, Moto X (2nd Gen), Moto G (2nd Gen), Nexus 6, OnePlus One, Sony Xperia Z3, HTC 612/One M8 and Samsung S3/S4/S5/S6/S6 Edge/Note 3/Note 4/Note 5/Note 5 Edge/Note 7 • Dimensions: Minimum 2.42" W x 4.4" H (61.4mm W x 111.7mm H) • Maximum 3.4" W x 7.2" H (86.3mm W x 182.8mm H) • Maximum Depth 0.638" (16.2mm)

MOBMAR2-BLK-SM: Compatible with the following phones, with or without a case: iPhone 5, 5C, 6, 6S, SE, 7, 8, XS, 11, Google Pixel, Pixel 2, LG G2, LG Nexus 5, HTC One M7, M8, X, Blackberry Classic, Curve 9320, Bold 9790, Z10, Leap • Dimensions: Minimum 1.92" W x 3.75" H (48.8mm W x 95.5mm H) • Maximum 2.9" W x 6.1" H (73.6mm W x 154.9mm H) • Maximum Depth = 0.585" (14.8mm)



MOB ARMOR
MOBNETIC CLAW
ADJUSTABLE CLAMP MOUNT
PART NUMBER: **MOBN-CLAW**

FEATURES: The MobNetic Claw is a magnetic clamp mounting system • The MobNetic Claw's three talons securely grab tubes, handles, roll cages and boxed shaped bars sized up to 2" and down to 1/4" diameter • Wide range of motion - full 360° rotation for the phone and 25° of tilt for adjusting the viewing angle • Includes: MobNetic Claw and Device Mounting Plates



CAB CONVENIENCE



MOB ARMOR MOBNETIC STICK 90 SINGLE MAGNET MOUNT
PART NUMBER: **MOBN-STK-V2**

FEATURES: One time use 3M VHB base to securely attach to your dash with a powerful non marking adhesive • Instant docking for your smartphone with tilt

adjustment • 90 degrees of movement for even more viewing angles • Includes Mobnetic plate to attach on your phone to magnetically hold your phone onto the mount using a 90 Lbs pull force rare earth magnet



MOB ARMOR MOBNETIC MAXX DOUBLE MAGNETIC VEHICLE MOUNT
PART NUMBER: **MOBN-MX-BLK**

FEATURES: With a billet aluminum body, the MobNetic Maxx is the most durable mounting solution from Mob Armor.

The dual 90 lb pull force rare earth magnets provide a mounting solution for multipurpose use in your vehicle. Instant docking for your smartphone or other devices with effortless pan and 90 degree tilt adjustment • Includes: 2 MobNetic Shield Plate and 2 Mob Disc



MOB ARMOR MOBNETIC GO DESIGNED TO MOVE WITH YOU
PART NUMBER: **MOBN-GO-BLK**

FEATURES: The MobNetic Go is a smooth aluminum spindle contoured mount for

handheld devices • Dual magnets provide a mounting solution for any ferrous surface • Double-sided magnet mount • 90 lb pull-force rare earth magnets • Includes 1 Mob Disc and 1 MobNetic Shield Plate • Disc and Plate adhere using 3M™ VHB™ adhesive • Alcohol wipe included for surface preparation • Smart device safe magnets • 6061-T6 aircraft grade aluminum

TABLET MOUNTS



MOB ARMOR TABNETIC - MAGNETIC TABLET MOUNT
PART NUMBER: **TABN-PRO**

FEATURES: A Neodymium rare-earth magnetic mounting base for mounting onto any ferrous metal surface • Easy-adjust ball housing that tilts up to 90 degrees and rotates 360 degrees to ensure best viewing angle • Includes a 65mm steel mounting disc for mounting to any steel or flat surface • Includes Tabnetic Plate for mounting device



MOB ARMOR TAB MOUNT MAGNETIC
PART NUMBER: **TAB-Y-MAG**

FEATURES: Constructed from steel, powder coated for durability, with high density closed cell EVA foam and 18-8 stainless steel hardware • Features a

Neodymium rare-earth magnetic mounting base for mounting onto any ferrous metal surface • Unique slide design accommodates most 7" - 13" tablets with or without cases • Features an easy-adjust ball housing that tilts up to 90 degrees and rotates 360 degrees to ensure the best viewing angle • Includes (2) 65mm steel mounting discs for mounting

VEHICLE MAGNETIC MOUNT ACCESSORIES



MOB ARMOR VOLTAGE SERIES 38W DUAL USB VEHICLE CHARGER
PART NUMBER: **ACC-USB-QCPD**

FEATURES: All-aluminum Quick-Charge 3.0 vehicle charger w/ a 20W maximum USB-C port and 18W maximum USB-A port • Input: 12V-24V • Outputs: **USB-C:** PD 5V 3A / 9V 2.22A / 12V 1.67APD; **USB-A:** PD 5V 3A / 9V 2.0A / 12V 1.5A; **USB-C + USB-A:** 20W + 18W (Total 38W) • Quick-Charge 3.0 Compatible • PD Compatible



MOB ARMOR FLEX CHARGE PLUS
PART NUMBER: **FLEX-WC-PLUS**

FEATURES: Bundle includes the Flex Magnetic Wireless Charger and the 38W Dual USB Vehicle Charger - works with Mob Armor MobNetic phone mounts



MOB ARMOR FLEX CHARGE PLUS GO
PART NUMBER: **FLEX-WC-PLUS-GO**

FEATURES: Bundle includes the Flex Magnetic Wireless Charger, the MobNetic Go phone mount and the 38W Dual USB Vehicle Charger



MOB ARMOR FLEX CHARGE PLUS MAXX
PART NUMBER: **FLEX-WC-PLUS-MX**

FEATURES: Bundle includes the Flex Magnetic Wireless Charger, the MobNetic Maxx phone mount and the Dual USB Vehicle Charger.



MOB ARMOR FLEX MAGNETIC WIRELESS CHARGER
PART NUMBER: **MAG-FLEX-WC**

FEATURES: A Qi and MagSafe wireless charging & mounting solution • Includes FLEX Magnetic Wireless Charger, Adhesive Mag FLEX Plate w/ Alignment Template and USB-C to USB-C Charging Cable



MOB ARMOR BRAIDED 3-FOOT CHARGING CABLES
PART NUMBER: **MOB-CBL-LGHTNG**

PART NUMBER: MOB-CBL-USBC
FEATURES: Lightning or USB-C to USB-A Qualcomm Quick Charge 3.0 compatible

• Ultra-thin and flexible 1-meter long cord • Maximum durability from PVC sheath and anodized aluminum connectors • Heavy-duty PVC/PE insulation for maximum heat dissipation and safety • Thick-gauge tinned copper conductor and braided TPE increases charging and syncing speeds • Compatibility: 5V/3A 9V/2A 12V/1.5A



MOUNTING DISCS - (TWO PACK)
PART NUMBER: **MOB-MD**

FEATURES: 38mm steel magnetic mounts for non-ferrous surfaces



MOBNETIC PLATES - (TWO PACK)
PART NUMBER: **MOB-PL-ACC**

FEATURES: Device plates for mounting mobile device to MobNetic phone mounts



TABNETIC MOUNTING DISCS - (TWO PACK)
PART NUMBER: **TABN-MD-ACC**

FEATURES: 65mm steel mounting discs for use with TabNetic products



TABNETIC PLATES - (TWO PACK)
PART NUMBER: **TABN-PL-ACC**

FEATURES: 70mm mounting plates for use with TabNetic products

PLEASE VISIT WWW.PANAPACIFIC.COM
FOR COMPLETE LIST OF MOB ARMOR PRODUCTS

CAB CONVENIENCE

VEHICLE MOUNTS FOR MOBILE DEVICES

MOUNT COMPONENTS



BUILDING A CUSTOMIZED VEHICLE MOUNT FOR A MOBILE DEVICE WITH RAM® COMPONENTS IS QUICK AND EASY.
BASE + ARM + GRIP

BASES



RAM® BACKING PLATE ADAPTER
PART NUMBER: **RAM-202-225BU**
FEATURES: 3" x 3" steel backer plate with 10-24 threaded holes to attach to a variety of RAM® mounts ball bases • Hole pattern: **4-hole** AMPS: 1.181" x 1.496" • Made of high-strength composites for durability • Includes (4) #101024 x 1" thread locking screws and (4) #10-24 zinc-plated nylock nuts



RAM® ROUND PLATE BASE WITH C SIZE BALL
PART NUMBER: **RAM-202U**
FEATURES: 1.5" C size rubber ball connected to a 2.5" diameter round plate • Compatible with C size RAM® double socket arms • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" diameter • Made of powder-coated, marine-grade aluminum for durability and reliability



RAM® DIAMOND PLATE BASE WITH C SIZE BALL
PART NUMBER: **RAM-238U**
FEATURES: 1.5" C size rubber ball connected to a 2.43" x 1.31" diamond plate • Compatible with C size RAM® double socket arms • Hole Pattern: **2-Hole** AMPS 1.912" • Made of powder-coated, marine-grade aluminum for durability and reliability in the most demanding environments



RAM® ROUND PLATE BASE WITH B SIZE BALL
PART NUMBER: **RAM-B-202**
FEATURES: 1" B size rubber ball connected to a 2.5" diameter round plate • Compatible with B size RAM® double socket arms • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" diameter • Made of powder-coated, marine-grade aluminum for durability and reliability



RAM® DOUBLE BALL ROUND PLATE BASE WITH B SIZE BALLS
PART NUMBER: **RAM-B-217U**
FEATURES: Two 1" B size rubber balls connected to a 2.5" diameter round plate • Compatible with B size RAM® double socket arms • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" diameter • Made of powder-coated, marine-grade aluminum for durability and reliability



RAM® DIAMOND PLATE BASE WITH B SIZE BALL
PART NUMBER: **RAM-B-238U**
FEATURES: 1" B size rubber ball connected to a 2.43" x 1.31" diamond plate • Compatible with B size RAM® double socket arms • Hole Pattern: **2-Hole** AMPS 1.912" • Made of powder-coated, marine-grade aluminum for durability and reliability in the most demanding environments



RAM® TWIST-LOCK™ SUCTION CUP BASE
PART NUMBER: **RAP-224-1U**
FEATURES: 3.3" diameter Twist-Lock™ suction cup base for use on vehicle windshields and other nonporous surfaces • Provides an extra strong hold • Compatible with RAM-B-238 or RAP-B-238 diamond ball base • Hole Pattern: **2-Hole** AMPS 1.912" • Made of high-strength composites for durability and reliability in the most demanding environments • Includes two #10 x 3/4" sheet metal screws



RAM® STUBBY™ CUP HOLDER BASE WITH B SIZE BALL
PART NUMBER: **RAP-B-299-4U**
FEATURES: Portable, low-profile mounting base that features flexible support fins which can be trimmed to size • Compatible with 1" B size RAM® double socket arms • Overall height: 4.9" • Fits cup holders with inside diameter of 2.57" to 3.5" inside diameter • Made of high-strength composites for durability and reliability



RAM® TOUGH-CLAW™ SMALL CLAMP BASE WITH B SIZE BALL
PART NUMBER: **RAP-B-400U**
FEATURES: Tough-Claw™ mounting base is easy to install/ remove on round, square, or odd-shaped rails and bars - ranging from .625" to 1.14" in outer diameter • Compatible with 1" B size RAM® double socket arms • Made of high-strength composites and stainless steel hardware for durability and reliability • Overall height: 4.24" and Overall width: 1.18"

ARMS



RAM® DOUBLE SOCKET MEDIUM ARM - C SIZE
PART NUMBER: **RAM-201U**
FEATURES: Medium length double socket arm for use with 1.5" C size ball bases, device holders and adapters • Single spring inside the arm opens the end sockets, to pivot the ball and socket connections • Overall length: 5.69" and socket-to-socket length: 4.66" • Easy to adjust knob for near-infinite angles • Made of powder-coated, marine-grade aluminum for durability and reliability



RAM® DOUBLE SOCKET SHORT ARM - C SIZE
PART NUMBER: **RAM-201U-B**
FEATURES: Short double socket arm for use with 1.5" C size ball bases, device holders and adapters • Single spring inside the arm opens the end sockets, to pivot the ball and socket connections • Overall length: 3.56" and socket-to-socket length: 2.5" • Easy to adjust knob for near-infinite angles • Made of powder-coated, marine-grade aluminum for durability and reliability



RAM® DOUBLE SOCKET MEDIUM ARM - B SIZE
PART NUMBER: **RAM-B-201U**
FEATURES: Medium length double socket arm for use with 1" B size ball bases, device holders and adapters • Single spring inside the arm opens the end sockets, to pivot the ball and socket connections • Overall length: 3.73" and socket-to-socket length: 3" • Easy to adjust knob for near-infinite angles • Made of powder-coated, marine-grade aluminum for durability and reliability



RAM® DOUBLE SOCKET SHORT ARM - B SIZE
PART NUMBER: **RAM-B-201U-A**
FEATURES: Short double socket arm for use with 1" B size ball bases, device holders and adapters • Single spring inside the arm opens the end sockets, to pivot the ball and socket connections • Overall length: 2.42" and socket-to-socket length: 1.75" • Easy to adjust knob for near-infinite angles • Made of powder-coated, marine-grade aluminum for durability and reliability



RAM® DOUBLE SOCKET LONG ARM - B SIZE
PART NUMBER: **RAM-B-201U-C**
FEATURES: Long length double socket arm for use with 1" B size ball bases, device holders and adapters • Single spring inside the arm opens the end sockets, to pivot the ball and socket connections • Overall length: 6" and socket-to-socket length: 5.31" • Easy to adjust knob for near-infinite angles • Made of powder-coated, marine-grade aluminum for durability and reliability

ARMS WITH PLATES



RAM® DOUBLE SOCKET ARM FOR B SIZE BALL WITH DIAMOND PLATE - MEDIUM ARM
PART NUMBER: RAM-B-103-238U
FEATURES: Medium length B size (1") double socket arm and one diamond plate (2.43" x 1.31") • The hole pattern on the diamond plate will connect to many RAM® and third party device holders • Socket-to-socket length: 3" • Hole Pattern: **2-Hole** AMPS 1.912" • Made of powder-coated, marine-grade aluminum for durability and reliability



RAM® DOUBLE B SIZE BALL MOUNT WITH TWO ROUND PLATES - SHORT ARM
PART NUMBER: RAM-B-101U-A
FEATURES: Short B size (1") double socket arm and two 2.5" diameter round plates/bases • Drill-down mounting solution; choose either round plate for attachment to compatible device holders • Overall Height: 3.75" and socket-to-socket length: 1.75" • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" Diameter • Heavy-duty dash mount for ELDs devices • Made of powder-coated, marine-grade aluminum for durability and reliability



RAM® DOUBLE SOCKET ARM FOR B SIZE BALL WITH ROUND PLATE - SHORT ARM
PART NUMBER: RAM-B-103U-A
FEATURES: Short B size (1") double socket arm and one 2.5" diameter round plate • The hole pattern on the round plate connects to a variety of RAM® device holders • Overall length: 3" and socket-to-socket length: 1.75" • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" diameter • Made of powder-coated, marine-grade aluminum for durability and reliability



RAM® DOUBLE B SIZE BALL DRILL-DOWN MOUNT WITH DIAMOND PLATE - MEDIUM ARM
PART NUMBER: RAM-B-138U
FEATURES: Medium length B size (1") double socket arm with one 2.5" diameter round plate/base and one diamond plate/base (2.43" x 1.31") • Drill-down mounting solution; choose either plate/base for attachment to compatible device holders • Overall Height: 5" and socket-to-socket length: 3" • Hole Pattern for round plate/base: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" Diameter • Hole Pattern for diamond plate/base: **2-Hole** AMPS 1.912" • Made of powder-coated, marine-grade aluminum for durability and reliability

ARMS WITH PLATES / BASES



RAM® DOUBLE C SIZE BALL MOUNT WITH TWO ROUND PLATES - MEDIUM ARM
PART NUMBER: RAM-101U
FEATURES: Medium length C size (1.5") double socket arm and two 2.5" diameter round plates/bases • Drill-down mounting solution; choose either round plate for attachment to compatible device holders • Overall height: 7.35" and socket-to-socket length: 4.66" • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" diameter • Heavy-duty dash mount for ELDs devices • Made of powder-coated, marine-grade aluminum for durability and reliability in the most demanding environments



RAM® DOUBLE C SIZE BALL MOUNT WITH TWO ROUND PLATES - SHORT ARM
PART NUMBER: RAM-101U-B
FEATURES: Short C size (1.5") double socket arm and two 2.5" diameter round plates/bases • Drill-down mounting solution; choose either round plate for attachment to compatible device holders • Overall height: 5.225" and socket-to-socket length: 2.5" • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" diameter • Heavy-duty dash mount for ELDs devices • Made of powder-coated, marine-grade aluminum for durability and reliability in the most demanding environments



RAM® DOUBLE B SIZE BALL MOUNT WITH TWO ROUND PLATES - MEDIUM ARM
PART NUMBER: RAM-B-101U
FEATURES: Medium length B size (1") double socket arm and two 2.5" diameter round plates/bases • Drill-down mounting solution; choose either round plate for attachment to compatible device holders • Overall height: 5" and socket-to-socket length: 3" • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" diameter • Heavy-duty dash mount for ELDs devices • Made of powder-coated, marine-grade aluminum for durability and reliability in the most demanding environments

GRIPS



RAM® X-GRIP® LARGE PHONE HOLDER WITH B SIZE BALL
PART NUMBER: RAM-HOL-UN10BU
FEATURES: Spring-loaded 'X' design with rubber caps and 1" B size ball on back - keeps the mounted device completely functional and accessible • Compatible with 1" B size RAM® double socket arms and mounting bases • Holder dimensions: width range: 1.175" - 4.5" / depth range: 0.875" • Made of powder-coated, marine-grade aluminum, stainless steel components and high-strength composite for durability and reliability in the most demanding environments • Includes optional device tether and glue tube for rubber caps



RAM® X-GRIP® UNIVERSAL PHONE HOLDER WITH B SIZE BALL
PART NUMBER: RAM-HOL-UN7BU
FEATURES: Spring-loaded 'X' design with rubber caps and 1" B size ball on back - keeps the mounted device completely functional and accessible • Compatible with 1" B size RAM® double socket arms and mounting bases • Holder dimensions: width range: 1.875" - 3.25" / depth range: 0.875" • Made of powder-coated, marine-grade aluminum, stainless steel components and high-strength composite for durability and reliability in the most demanding environments • Includes optional device tether and glue tube for rubber caps



RAM® X-GRIP® UNIVERSAL HOLDER FOR 7" TO 8" TABLETS WITH B SIZE BALL
PART NUMBER: RAM-HOL-UN8BU
FEATURES: Spring-loaded 'X' cradle design with rubber caps - fits most 7" - 8" tablets • Easy access grip knobs on the back of the holder allow for the quick release of tablet • Compatible with 1" B size RAM® double socket arms and mounting bases • Cradle dimensions: minimum width range = 2.5" (minimum height = 7") / maximum width = 5.75" (minimum height = 4") / Depth = 0.875" • Holder dimensions: width range: 2.5" - 5.75" / depth range: 0.875" maximum • Made of stainless steel components and high-strength composite for durability and reliability in the most demanding environments • Includes optional device tether and glue tube for rubber caps

CAB CONVENIENCE

VEHICLE MOUNTS FOR MOBILE DEVICES

MOUNT COMPONENTS



BUILDING A CUSTOMIZED VEHICLE MOUNT FOR A MOBILE DEVICE WITH RAM® COMPONENTS IS QUICK AND EASY.
BASE + ARM + GRIP

GRIPS



RAM® X-GRIP® UNIVERSAL HOLDER FOR 9" TO 10" TABLETS
PART NUMBER: **RAM-HOL-UN9U**
FEATURES: Spring-loaded 'X' cradle design with rubber caps - fits most 9" - 10" tablets • Easy access grip knobs on the back of the holder allow for the quick release of tablet • Pair with a variety of RAM® double socket arms and mounting bases (4-hole AMPS) • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" / 75 x 75 mm VESA • Holder dimensions: maximum height = 10.25" (using optional supports) / width range: 6.25" - 8.1" / maximum depth = 0.875" • Made of stainless steel components and high-strength composite for durability and reliability in the most demanding environments • Includes assembly hardware: (4) #8-32 x 1/2" sheet metal screws and (2) #8-32 x 5/8" sheet metal screws



BACK SIDE

GRIPS WITH BASES



RAM® X-GRIP® LARGE PHONE MOUNT B SIZE BALL WITH DIAMOND BASE - MEDIUM ARM
PART NUMBER: **RAM-B-102-UN10U**
FEATURES: Spring-loaded 'X' design with rubber caps - keeps the mounted cell phone completely functional and accessible • Drill-down mounting solution; 1"B size double socket medium length arm and 2.43" x 1.31" diamond mounting base • Socket-to-socket length 3" • Hole Pattern: **2-Hole** AMPS 1.912" • Holder dimensions: width range: 1.175" - 4.5" / depth range: 0.875" • Made of marine-grade aluminum, stainless steel components and high-strength composite for durability and reliability in the most demanding environments • Includes optional device tether, glue tube for rubber caps, (2) #8-32 x 1/2" machine screws, (2) #8-32 x 5/8" machine screws, (2) #8-32 x .75" screws, (2) #8-32 nylock nuts



TETHER



RAM® QUICK-GRIP® SPRING-LOADED PHONE MOUNT B SIZE BALL WITH DRILL-DOWN BASE - MEDIUM ARM
PART NUMBER: **RAM-B-138-PD3U**
FEATURES: The Quick-Grip™ device mount is capable of holding a broad range of electronic devices • The spring loaded mechanism and the adjustable side keepers allow for a secure grip on a mobile device • Drill-down mounting solution; 1"B size double socket medium length arm and 2.5" diameter round mounting base • Socket-to-socket length 3" • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" diameter • Holder dimensions: height range 4.75" - 5.75" / width range: 2.19" - 3.25" / maximum depth = 0.72" • Made of marine-grade aluminum and high-strength composite for durability and reliability in the most demanding environments • Includes assembly hardware



TETHER

RAM® X-GRIP® LARGE PHONE MOUNT B SIZE BALL WITH DRILL-DOWN BASE - MEDIUM ARM
PART NUMBER: **RAM-B-138-UN10**
FEATURES: Spring-loaded 'X' design with rubber caps - keeps the mounted cell phone completely functional and accessible • Drill-down mounting solution; 1"B size double socket medium length arm and 2.5" diameter round mounting base • Socket-to-socket length 3" • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" diameter • Holder dimensions: width range: 1.175" - 4.5" / depth range: 0.875" • Made of marine-grade aluminum, stainless steel components and high-strength composite for durability and reliability in the most demanding environments • Includes optional device tether and glue tube for rubber caps



TETHER

RAM® X-GRIP® PHONE MOUNT B SIZE BALL WITH DRILL-DOWN BASE - MEDIUM ARM
PART NUMBER: **RAM-B-138-UN7U**
FEATURES: Spring-loaded 'X' design with rubber caps - keeps the mounted cell phone completely functional and accessible • Drill-down mounting solution; 1"B size double socket medium length arm and 2.5" diameter round mounting base • Socket-to-socket length 3" • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" diameter • Holder dimensions: width range: 1.875" - 3.25" / depth range: 0.875" maximum • Made of marine-grade aluminum, stainless steel components and high-strength composite for durability and reliability • Includes optional device tether and glue tube for rubber caps



TETHER

RAM® X-GRIP® PHONE MOUNT B SIZE BALL WITH DRILL-DOWN BASE AND BACKER PLATE - MEDIUM ARM
PART NUMBER: **RAM-B-138-UN7-225BU**
FEATURES: Consists of a 3" x 3" steel backer plate, 2.5" diameter round base, medium length double socket arm and universal spring loaded X-Grip® cradle for cell phones • Spring-loaded 'X' design with rubber caps - keeps the mounted cell phone completely functional and accessible • Drill-down mounting solution; 1"B size double socket medium length arm, steel backer plate and 2.5" diameter round mounting base • Socket-to-socket length 3" • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" diameter • Holder dimensions: width range: 1.875" - 3.5" / depth range: 0.875" maximum • Made of marine-grade aluminum, stainless steel components and high-strength composite for durability and reliability in the most demanding environments • Includes optional device tether and glue tube for rubber caps 3" x 3" steel backing plate, (4) #10-24 x 1" thread locking screws, (4) #10-24 nylock nuts



TETHER

RAM® X-GRIP® PHONE MOUNT B SIZE BALL WITH RAM® TWIST-LOCK™ SUCTION CUP MOUNT - MEDIUM ARM
PART NUMBER: **RAM-B-166-UN7U**
FEATURES: Spring-loaded 'X' design with rubber caps - keeps the mounted cell phone completely functional and accessible • RAM® Twist-Lock™ suction cup for windshield mount and 1"B size double socket medium length arm • Socket-to-socket length 3" • Suction cup size: 3.3" diameter • Holder dimensions: width range: 1.875" - 3.25" / depth range: 0.875" maximum • Made of powder-coated, marine-grade aluminum, stainless steel components and high-strength composite for durability and reliability • Includes optional device tether and glue tube for rubber caps

CAB CONVENIENCE



RAM® X-GRIP® PHONE MOUNT B SIZE BALL WITH RAM-A-CAN™ II CUP HOLDER BASE - MEDIUM ARM
PART NUMBER: RAP-299-3-UN7BU
FEATURES: Cup holder base has durable composite shell construction and soft fins that can be trimmed to fit • Spring-loaded 'X' design with rubber caps - keeps the mounted cell phone completely functional and accessible • RAM-A-CAN™ cup holder mount and 1" B size double socket medium length arm • Socket-to-socket length 3" • Fits cup holders between 2.57" - 3.5" inside diameter • Holder dimensions: width range: 1.875" - 3.25" / depth range: 0.875" maximum • Made of powder-coated, marine-grade aluminum, stainless steel components and high-strength composite for durability and reliability • Includes optional device tether and glue tube for rubber caps

TETHER



RAM® TAB-LOCK™ UNIVERSAL SPRING LOADED HOLDER FOR LARGE TABLETS
PART NUMBER: RAM-HOL-TABL-LGU
FEATURES: Spring-loaded, key locking holder secures large tablets; interchangeable end cups allow modification of the holder when upgrading devices • Spring loaded and form fitting, this compact yet durable cradle doesn't take up a lot of space and provides loads of security • The custom end cups are designed to optimize the functionality of a mounted tablet, enabling access to all buttons, ports, and tablet functions • Compatible with 1" B size and 1.5" C size RAM® round ball bases for attaching a double socket arm • Holder dimensions: height range: 8.5" - 11.75" / width range: 7.75" - 8.25" / depth range: 0.56" - 1.1" • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" • Made of high-strength composites for durability and reliability • Includes assembly hardware: (2) #8 x 5/8" sheet metal screws, (2) M4 x 32 mm machine screws, (2) M4 nylock nuts and (2) keys

UNIQUE MOUNT ACCESSORIES



RAM® BALL ADAPTER WITH 1/4" - 20" FEMALE THREADED HOLE AND HEX POST - B SIZE BALL
PART NUMBER: RAM-B-337U
FEATURES: Universal threaded hole solution for a variety of use cases • Compatible with 1" B size RAM® double socket arms • Thread Pitch: 1/4"-20 x 5/8" • Made of powder-coated, marine-grade aluminum for durability and reliability in the most demanding environments



RAM® PIN-LOCK™ SECURITY KIT FOR DOUBLE SWING ARMS ON RAM® VEHICLE KITS
PART NUMBER: RAP-S-KNOB-VB-109-1U
FEATURES: Pin-Lock™ security knobs/keys for double swing arms found on RAM® vehicle mounting kits • Offers the ideal amount of leverage to properly tighten mount to prevent slippage in extreme vibration environments • Includes: RAM® Pin-Lock™ security key and (2) 1.25" nylon washers



RAM® GDS HARDWIRE CHARGER WITH FEMALE USB TYPE A CONNECTOR
PART NUMBER: RAM-GDS-CHARGE-V7BU
FEATURES: The GDS® Modular Hardwire Charger with Female USB Type A Connector is the ideal solution for providing power to any GDS® vehicle solution. With the quick disconnect feature, easily connect any USB Type A charging cable. When it comes time to upgrade, avoid any rewiring by simply unplugging the power connector and attaching the new mobile device charger components. This accessory is compatible with any 5V device with current requirements of 2.5A or less.
SPECIFICATIONS: Input range: 8V-40V DC • Output voltage: 5VDC • Output current: 2.5A max • Output connector: 90° DC plug • Cable length is 1.2 meters including 2 pole flat marine connector • USB 2.0 BC 1.2 DCP support



RAM® TELE-POLE™ WITH 12" AND 18" LOADED POLES, DOUBLE SWING ARMS AND ROUND PLATE - C SIZE BALL
PART NUMBER: RAM-VP-SW1-1218
FEATURES: Consists of a 18" lower female Tele-Pole™, 12" upper male Tele-Pole™, double swing arm and 2.5" round base that contains the universal AMPs hole pattern • Dual articulating swing arms allows for ideal device placement in vehicle • The lower female Tele-Pole™ will attach to all RAM® vehicles bases that do not contain a welded female Tele-Pole™ • The height of the Tele-Poles™, combined, can easily be adjusted by turning the knob at the top of the post; once the knob has been tightened, the Tele-Pole™ becomes a rigid support for connecting devices or cradles • The double swing arm allows for twisting and tilting to obtain the optimum viewing angle of the connected electronic device, when mounted to a RAM® Vehicle Mount • The length of the double swing arm is 12" • Compatible with a variety of RAM® laptop, tablet, and other device holders • Product dimensions: minimum height: 22.3" / maximum height: 34.3" • Hole pattern: Tele-Pole: 2.625 x 2.625 | Round plate: **4-Hole** AMPS: 1.181" x 1.496" **3-Hole** 120-Degree: 1.812" diameter • Plate size: Round plate: 2.5" diameter | Lower pole: 3.5" x 3.5" • Made of powder-coated steel and marine-grade aluminum • Includes assembly hardware: (4) 5/16"-18 x 1" Carriage Bolts, (4) 5/16"-18 Hex Nuts, (4) 5/16" Flat Washers, (4) 5/16" Split Lock Washers and (4) Rubber Caps



RAM® TAB-TIGHT™ SPRING LOADED HOLDER FOR 8" TABLETS
PART NUMBER: RAM-HOL-TAB29U
FEATURES: Spring-loaded, quick release holder offers a secure fit with easy access to a mounted tablet • The interchangeable cup ends are designed specifically for the Samsung Galaxy Tab A 8.0, Tab A 8.0 with S Pen, and Tab S2 8.0 with Otterbox Defender case • The spring-loaded design makes it easy to insert and remove a tablet, while keeping it secure in a variety of applications • The custom end cups are designed to optimize the functionality of a mounted tablet, enabling access to all buttons, ports, and tablet functions • Compatible with 1" B size and 1.5" C size RAM® round ball bases for attaching a double socket arm • Holder dimensions: height range: 8.25" - 11" / width range: 5" - 5.88" / depth range: 0.3" - .67" • Hole Pattern: **4-Hole** AMPS: 1.181" x 1.496" • Made of high-strength composites for durability and reliability • Includes assembly hardware: (4) #8-32 x 5/8" machine screws, (4) #8-32 x 1/2" machine screws and (4) #8-32 nylock nuts

BACK SIDE



FOR INFORMATION AND AVAILABILITY ON OTHER RAM® PRODUCTS PLEASE CONTACT PANA-PACIFIC CUSTOMER SERVICE
(800) 726-2636

COMPLIANCE & CONNECTIVITY

ASSET TRACKING

SkyBitz

SKYBITZ KINNECT - ADVANCED TELEMATICS AND SENSOR INTEGRATION HUB ASSET TRACKING SOLUTION
PART NUMBER: **SHB1000**

FEATURES: Developed as the foundation for SkyBitz SmartTrailer™ offerings, SkyBitz Kinnect collects data from most sensors, whether wired or wireless, giving users more control over the information they need to make intelligent cargo management decisions. Plus, it can be used across multiple assets, including trailers, containers, flatbeds, chassis, or tankers, for a simplified approach to device inventory management and installation.

Cellular LTE-M/5G compatible • Bluetooth connectivity • Solar panels • Optional external (7-way) power connection • Longest product and battery life with 5.2 AH internal rechargeable battery • Supports wireless and wired sensors: Wireless communication (BLE5 & WLAN), Wired communication (RS232) • Event based reporting on motion status, start, stop and yard moves • Scheduled reporting • Assisted GPS chip – SBAS, Glonass, Galileo • 3 Axis Accelerometer • Quick installation and verification • Over the air configurable



SkyBitz

SKYBITZ SKYVUE FUTURE-PROOF TRACKING ASSET TRACKING SOLUTION
PART NUMBER: **VUE2000**

FEATURES: SkyVue offers an effective, easy to deploy, maintenance-free trailer tracking solution configured for high volume reporting that delivers total fleet visibility, increased productivity, and enables users to meet freight visibility demands.

Solar powered SkyVue is a self-contained, practical, purpose-built hardware based on SkyBitz's 20+ years of industry experience. SkyVue combined with SkyBitz's InSight web application delivers a powerful and effective trailer tracking solution that operates on the LTE-M network and is 5G compatible. SkyVue installs very quickly on Dry Vans and Intermodal containers.

Real-time asset visibility - Motion events and high reporting frequency through a nationwide LTE-M/5G network. Maximize fleet performance and asset utilization with SkyBitz Insight web application, and data generated by SkyVue. Customers will have access to

dashboards, data visualizations, and configurable reports in the SkyBitz Insight portal

- Quick installation - SkyVue can be installed and configured in less than 15 minutes
- Accurate data - SkyVue's high-capacity battery enables high reporting frequency and extremely accurate mileage
- Maintenance-free technology - Robust hardware, the rechargeable battery using solar energy, and advanced power management logic deliver long, maintenance-free service life
- Cellular LTE-M / 5G compatible
- Solar Panels
- Quick installation and verification
- Event based, high frequency reporting on motion status, start, stop and yard moves
- Scheduled reporting
- Advanced GPS Chip - SBAS, GLONASS, Galileo
- 3 Phase Accelerometer
- Long product and battery life
- Over the air configurable - SkyVue is configurable over the air and supports multiple reporting profiles to support different business needs



FLEET MANAGEMENT SYSTEMS | TELEMATICS



GEOTAB management by measurement

GEOTAB GO9 UNIT (US)
PART NUMBER: **PP605629**

GEOTAB GO9 UNIT (CANADA)
PART NUMBER: **PP605629C**

FEATURES: Choosing how your company will grow in the future requires selecting a platform that can grow with you. The Geotab GO9 has been designed to offer drivers, fleets, and owner operators with future-proof telematics solutions. It is a small yet extremely powerful telematics measurement tool. The GO9 offers state of the art GPS technology, g-force monitoring, IOX expandability, engine and battery health assessments, and integration opportunities. Using Geotab's patented tracking algorithm, it accurately recreates the vehicle's trips and analyzes incidents. The GO9 offers in-vehicle alerts to notify drivers instantly of infractions, while also relaying that information to backend users. With solutions designed for quick installation, the GO9 is truly a plug-and-play technology requiring no dash mounted antennas or splicing of wires. Through the use of web-based tools, MyGeotab allows you to setup dashboard graphs, reports, and notifications custom to your needs. The GO9 is both affordable and compatible for all vehicles with wiring harness options for Class 8 trucks, Medium Duty, Off-Road, Van, and Automotive.

Fleet Optimization: Reduce fuel costs from idling, speeding, and mileage. Track fuel consumption. Plan trips better with route optimization. Detect engine issues. Prioritize vehicle maintenance. Prevent vehicle wear and tear.

Driver Safety: Generate risk and safety reports and driver ratings.

Utilize in-vehicle driver coaching. Ensure seatbelt usage. Track posted speed vs. actual speed. Minimize accidents by monitoring driving in reverse. Receive instant accident notifications.

Productivity: Track vehicles through real-time GPS. View trips and activity reports. Set custom thresholds for monitoring driver behavior.

Compliance: Improve drivers' CSA BASIC scores. Automate the tracking of fuel expenses and consumption by location. Monitor Hours-of-Service through an add-on driver interface.



GEOTAB management by measurement

GEOTAB Y- HARNESS, DEUTSCH 6-PIN/OBDII
PART NUMBER: **PP207074**

FEATURES: 610mm long. Compatible with all Geotab GO9 devices. This harness provides a secure connection between vehicles with a 6-pin engine diagnostic port and the Geotab's OBDII port. The harness has an additional 6-pin port available for additional connections.

CLOSE-UP OF CONNECTORS



GEOTAB management by measurement

GEOTAB Y-HARNESS, DEUTSCH 9-PIN/OBDII
PART NUMBER: **PP207069**

FEATURES: 610mm long. Compatible with all Geotab GO9 devices. This harness provides a secure connection between vehicles with a 9-pin engine diagnostic port and the Geotab's OBDII port. The harness has an additional 9-pin port available for additional connections.

CLOSE-UP OF CONNECTORS





GEOTAB
management by measurement

GEOTAB GREEN TYPE II Y-HARNESS, DEUTSCH 9-PIN/OBDII FOR CERTAIN FREIGHTLINER AND WESTERN STAR VEHICLES
PART NUMBER: **PP207064**
FEATURES: 610mm long. Compatible with all Geotab GO9 devices. This harness provides a secure connection between vehicles with a GREEN 9-pin engine diagnostic port and the Geotab's OBDII port. The harness has an additional 9-pin port available for additional connections.

CLOSE-UP OF CONNECTORS



PLEASE NOTE:
BOTH 9-PIN CONNECTORS ARE GREEN



GEOTAB
management by measurement

GEOTAB BLACK TYPE I Y-HARNESS, OVERSIZED FLANGE 9-PIN/OBDII - FOR CERTAIN INTERNATIONAL VEHICLES
PART NUMBER: **PP207071**
FEATURES: 610mm long. Compatible with all Geotab GO9 devices. This harness provides a secure connection between vehicles with a 9-pin engine diagnostic port* and the Geotab's OBDII port. The harness has an additional 9-pin port available for additional connections.
*This harness facilitates a connection to a unique engine diagnostic port connector that was used on some International vehicles manufactured during 2014 through November of 2015.

CLOSE-UP OF CONNECTORS



GEOTAB
management by measurement

GEOTAB Y-HARNESS, DEUTSCH 9-PIN/OBDII WITH D-HOLE ADAPTER - FOR CERTAIN PETERBILT AND KENWORTH VEHICLES
PART NUMBER: **PP207070**
FEATURES: 610mm long. Compatible with all Geotab GO9 devices. This harness provides a secure connection between Peterbilt and Kenworth vehicles* with a 9-pin engine diagnostic port and the Geotab's OBDII port. The harness has an additional 9-pin port available for additional connections.

CLOSE-UP OF CONNECTORS



* Peterbilt and Kenworth vehicles built from 2010 through 2015 will require this harness. Some older Peterbilt and Kenworth may also require this harness - check the vehicle closely before ordering.



GEOTAB
management by measurement

GEOTAB GREEN TYPE II Y-HARNESS, OVERSIZED FLANGE 9-PIN/OBDII - FOR CERTAIN INTERNATIONAL VEHICLES
PART NUMBER: **PP207065**
FEATURES: 610mm long. Compatible with all Geotab GO9 devices. This harness provides a secure connection between vehicles with a GREEN 9-pin engine diagnostic port* and the Geotab's OBDII port. The harness has an additional 9-pin port available for additional connections.
*This harness facilitates a connection to a unique engine diagnostic port connector that will be used on some International vehicles manufactured during November 2015 and forward.

CLOSE-UP OF CONNECTORS



PLEASE NOTE:
BOTH 9-PIN CONNECTORS ARE GREEN



GEOTAB
management by measurement

GEOTAB GREEN TYPE II Y-HARNESS, DEUTSCH 9-PIN/OBDII FOR D-HOLE MOUNTING WITH PLASTIC JAM NUT - FOR CERTAIN PETERBILT AND KENWORTH VEHICLES
PART NUMBER: **PP207063**
FEATURES: 610mm long. Compatible with all Geotab GO9 devices. This harness provides a secure connection between Peterbilt and Kenworth vehicles* with a GREEN 9-pin engine diagnostic port and the Geotab's OBDII port. The harness has an additional 9-pin port available for additional connections.
*Certain 2016 Peterbilt and Kenworth vehicles will require this harness.

CLOSE-UP OF CONNECTORS



PLEASE NOTE:
BOTH 9-PIN CONNECTORS ARE GREEN



GEOTAB
management by measurement

GEOTAB Y-HARNESS, OBDII/OBDII
PART NUMBER: **PP205651**
FEATURES: 355mm long. Compatible with all Geotab GO9 devices. This harness provides a secure connection between vehicles with an OBDII engine diagnostic port and the Geotab's OBDII port. The harness has an additional OBDII port available for supplementary connections.

CLOSE-UP OF CONNECTORS



COMPLIANCE & CONNECTIVITY



CLOSE-UP OF CONNECTORS



GEOTAB management by measurement

GEOTAB SCREW MOUNT Y-HARNESS, OBDII/OBDII
PART NUMBER: **PP205746**
FEATURES: 300mm long. Compatible with all Geotab GO9 devices. This harness provides a secure connection between vehicles with an OBDII engine diagnostic port* and the Geotab's OBDII port. The

harness has an additional OBDII port available for supplementary connections. *This harness has a mounting tab with holes for screw-down applications. The tabs on either side of the connector body are arranged so that the connector can be mounted on any horizontal or vertical surface and still be conveniently accessed for connection to the diagnostic computer.



GEOTAB management by measurement

GEOTAB CUSTOM HARNESS KIT FOR VOLVO/MACK VEHICLES 2019+
PART NUMBER: **HRN-CE10K2**
FEATURES: 6300mm long. Compatible with all Geotab GO9 devices. This harness provides a secure connection between

certain Volvo and Mack 2019 or newer trucks and the Geotab's OBDII port. This part number contains both a harness and a fuse kit. For a complete application, this cable must be used in conjunction with HRN-CM24Y1.



CLOSE-UP OF CONNECTORS



GEOTAB management by measurement

GEOTAB 3-WIRE HARNESS
PART NUMBER: **HRN-CW0353**
PRODUCT FEATURES: 3-wire harness that allows GO devices to get accurate ignition status from assets that do not provide this information through the ECM. This cable may be required for older truck installations with no engine diagnostic port. **WHILE SUPPLIES LAST**



GEOTAB management by measurement

GEOTAB CUSTOM HARNESS KIT FOR MACK VEHICLES 2018 OR OLDER
PART NUMBER: **HRN-CK10K2**
FEATURES: 300mm long. Compatible with all Geotab GO9 devices. This harness

provides a secure connection between certain Mack 2018 or older vehicles and the Geotab's OBDII port. This part number contains both a harness and a fuse kit. For a complete application this cable must be used in conjunction with HRN-CM24Y1.



GEOTAB management by measurement

GEOTAB IOX EXTENDER ADD-ON FOR GO DEVICES FOR CAN INTEGRATIONS
PART NUMBER: **IOX-CAN**
FEATURES: The IOX-CAN cable enables Mobileye (collision avoidance systems) and Valor (tire pressure and temperature monitoring systems) to integrate with

CLOSE-UP OF CONNECTORS



Geotab. These applications can transmit data from their hardware through the Geotab GO9 device utilizing the Third Party CAN (Controller Area Network) protocol on Geotab's private CAN bus via the IOX-CAN. Once data is sent in the predefined format, it will be saved and sent to MyGeotab as Engine Status Data—no initial handshake is required. The IOX-CAN also provides power to the third party device allowing the third party device to stay on after the ignition is turned off.



GEOTAB management by measurement

GEOTAB RP1226 HARNESS
PART NUMBER: **HRN-CS14521**
FEATURES: 600mm long. Compatible with all Geotab GO9 devices. This 14-pin harness provides a secure connection between newer heavy duty trucks equipped with an RP1226 connector and the Geotab's OBDII port.

GEOTAB management by measurement



GEOTAB OBDII/J1939 HARNESS FOR CERTAIN VOLVO & MACK VEHICLES
PART NUMBER: **HRN-CM24Y1**
FEATURES: 200mm long. Compatible with all Geotab GO9 devices. This harness provides a secure connection between

certain Volvo and Mack trucks manufactured between 2004 and 2020, where multiple connection points are required to access engine data and engine protocols. The harness features one ALDL connector at one end for the GO device, a white 6-pin Molex connector for one OBDII connection, a black 12-pin Molex connector for a second OBD connection, and a second 6-pin Molex connector for a J1939 connection. For a complete application, this cable must be used in conjunction with HRN-CE10K2 or HRN-CK10K2.

Geotab Hardware Guide

Truck Make & Model <i>if no model listed, assume all</i>	Year of Manufacture	Engine Type	Diagnostic Connector	Cable ONLY Part Numbers
Freightliner Freightliner Freightliner P4 Cascadia Freightliner P3, P4, M2 & SD	2005 & older 2006 - 2015 2016 + 2016 +	All All All All	6-pin 9-pin 9-pin Type II (green) RP1226	PP207074 PP207069 PP207064 HRN-CS14S21
Kenworth Kenworth Kenworth Kenworth Kenworth	2005 & older 2005 -2009 2010 - 2015 2016 + Oct. 2018 +	All All All All All	6-pin 9-pin 9-pin w/ adapter 9-pin Type II (green) RP1226	PP207074 PP207069 PP207070 PP207063 HRN-CS14S21
Peterbilt Peterbilt Peterbilt Peterbilt Peterbilt	2005 & older 2006 - 2009 2010 - 2015 2016 + Oct. 2018 +	All All All All All	6-pin 9-pin 9-pin w/ adapter 9-pin Type II (green) RP1226	PP207074 PP207069 PP207070 PP207063 HRN-CS14S21
International International International International International International International	2006 & older 2006 - 2015 2005 & older 2005 - 2015 * 2016 + May 2017 +	Cummins Cummins CAT CAT All All All	6-pin 9-pin 6-pin 9-pin 9-pin (non-Deutsch) 9-pin Type II (green) RP1226	PP207074 PP207069 PP207074 PP207069 PP207071 PP207065 HRN-CS14S21
Volvo Volvo Volvo Volvo Volvo Volvo Volvo	2000 & older 2001 - 2013 2010 - 2018 2019/2021 2006 - 2016 2016 + June 2018 +	Volvo Volvo Volvo Volvo Cummins Cummins All	6-pin 9-pin OBDII (16-pin) OBDII (16-pin) / No RP1226 9-pin 9-pin Type II (green) RP1226	PP207074 PP207069 HRN-CM24Y1 & HRN-CE10A2 HRN-CM24Y1 & HRN-CE10A2 PP207069 PP207064 HRN-CS14S21
Mack Mack Mack CTP, CXP, CHP, CHU, CXU & GU Mack GR, AN & PI Mack Mack Mack	2000 & older 2001 - 2014 2006 - 2018 2019 2006 - 2016 2016 + June 2018 +	Volvo Volvo Volvo Volvo Cummins Cummins All	6-pin 9-pin OBDII (16-pin) OBDII (16-pin) 9-pin 9-pin Type II (green) RP1226	PP207074 PP207069 HRN-CM24Y1 & HRN-CK10A2 HRN-CM24Y1 & HRN-CE10A2 PP207069 PP207064 HRN-CS14S21
Western Star Western Star Western Star	2010 - 2015 2015 & newer 2019 +	All All All	9-pin 9-pin Type II (green) RP1226	PP207069 PP207064 HRN-CS14S21

Note: There are many exceptions and unique truck builds that may differ from what is outlined above. To ensure accuracy, we recommend that all vehicle information come directly from the owner of the truck. A visual inspection of the truck is encouraged to verify the diagnostic plug type and color.

*Some International vehicles manufactured during 2014 through November of 2015 were produced with a unique engine diagnostic port connector. The flange has a larger 1.25" bolt pattern that requires a special harness (PP207071). Please consult a Pana-Pacific sales representative for more details.

COMPLIANCE & CONNECTIVITY



INTELLIGENT VEHICLE GATEWAY (IVG)

FEATURES: 8" diagonal, 1024 x 600 resolution, resistive touchscreen display • Industrial grade processor • 4G LTE Cellular connectivity • Intuitive, easy-to-use modem interface • Quick installation featuring y-cables to ensure ease of access to diagnostic ports for other third party devices and service tools • **KEY FEATURES** include: Intelligent Voice Interface (IVI) allows drivers to access key features by speaking voice commands while driving and when the unit is in safe mode • Electronic Hours of Service (HOS) • Electronic driver vehicle inspection reporting (DVIR) • Intuitive 2-way dispatch messaging with customizable priority-status settings • Driver workflow so drivers can accept load assignments and complete tasks with near real time communication back to dispatch • Critical event reporting for notification of safety-related events in near real time to improve driver behavior and prevent accidents • Fault monitoring to provide near real-time alerts for common fault codes and important diagnostics information • Heavy-duty, truck-specific navigation to provide spoken turn-by-turn directions for the driver. **ALL KITS INCLUDE:** an IVG display unit, engine cable, mounting accessories, laminated cab card, and getting started guide.

ONMITRACS IVG KIT PART NUMBERS US / CANADA

	<p>CLOSE-UP IMAGES</p>	<p>US: PP807062 CANADA: PP807127 Omnitracs IVG Kit, with black 9-pin Y-cable engine harness (Cable Only Part Number: 45-JE133-1A)</p>		<p>CLOSE-UP IMAGES</p>	<p>US: PP807102 CANADA: PP807129 Omnitracs IVG Kit, with green 9-pin Y-cable engine harness and splice pack for specific Freightliner applications (Cable only Part Number: 45-JE139-1A)</p>
	<p>CLOSE-UP IMAGES</p>	<p>US: PP807063 CANADA: PP807128 Omnitracs IVG Kit, with green 9-pin Y-cable engine harness for specific International applications (Cable Only Part Number: 45-JE137-1A)</p>		<p>CLOSE-UP IMAGES</p>	<p>US: PP807144 CANADA: PP807149 Omnitracs IVG Kit, with RP1226 14-pin Y-cable engine harness for specific Volvo and Mack applications (Cable Only Part Number: 45-JE140-1A)</p>
	<p>CLOSE-UP IMAGES</p>	<p>US: PP807064 CANADA: PP807132 Omnitracs IVG Kit, with grey 6-pin Y-cable engine harness (Cable Only Part Number: 45-JE132-1A)</p>		<p>CLOSE-UP IMAGES</p>	<p>US: PP807145 CANADA: PP807150 Omnitracs IVG Kit, with RP1226 14-pin Y-cable engine harness for specific Peterbilt and Kenworth applications (Cable Only Part Number: 45-JE141-1A)</p>
	<p>CLOSE-UP IMAGES</p>	<p>US: PP807065 CANADA: PP807133 Omnitracs IVG Kit, with black OBDII Y-cable engine harness for specific Volvo and Mack applications (Cable Only Part Number: 45-JE135-1A)</p>		<p>CLOSE-UP IMAGES</p>	<p>US: PP807146 CANADA: PP807151 Omnitracs IVG Kit, with RP1226 14-pin Y-cable engine harness for specific Freightliner Applications (Cable Only Part Number: 45-JE142-1A)</p>
	<p>CLOSE-UP IMAGES</p>	<p>US: PP807066 CANADA: PP807130 Omnitracs IVG Kit, with black 9-pin Y-cable engine harness and adapter for specific Peterbilt and Kenworth applications (Cable Only Part Number: 45-JE134-1A)</p>		<p>CLOSE-UP IMAGES</p>	<p>US: PP807147 CANADA: PP807152 Omnitracs IVG Kit, with RP1226 14-pin Y-cable engine harness for specific International Applications (Cable Only Part Number: 45-JE158-1A)</p>
	<p>CLOSE-UP IMAGES</p>	<p>US: PP807078 CANADA: PP807131 Omnitracs IVG Kit, with green 9-pin Y-cable engine harness and adapter for specific Peterbilt and Kenworth applications (Cable Only Part Number: 45-JE136-1A)</p>	<div style="border: 1px solid black; padding: 10px;"> <p>QUICK TIP</p> <p>ALL IVG KITS INCLUDE: IVG DISPLAY, ENGINE CABLE, MOUNTING HARDWARE, VEHICLE DECAL AND LAMINATED CAB CARD. WIRELESS CONNECTIVITY ALLOWS FOR PAIRING OF ADDITIONAL HARDWARE - WIRELESS SCANNERS, CEV CAMERAS, ETC. FOR MORE INFORMATION ON ADDITIONAL VEHICLE APPLICATIONS INCLUDING PARTS FOR HINO MEDIUM DUTY TRUCKS: VISIT WWW.PANAPACIFIC.COM</p> </div>		

ONMITRACS IVG CABLE PART NUMBERS

- 45-JE132-1A:** Omnitrac's IVG engine harness, with grey 6-pin Y-cable
- 45-JE133-1A:** Omnitrac's IVG engine harness, with black 9-pin Y-cable
- 45-JE134-1A:** Omnitrac's IVG engine harness, with black 9-pin Y-cable for specific Peterbilt and Kenworth applications
- 45-JE135-1A:** Omnitrac's IVG engine harness, with black OBDII Y-cable for specific Volvo and Mack applications
- 45-JE136-1A:** Omnitrac's IVG engine harness, with green 9-pin Y-cable for specific Peterbilt and Kenworth applications
- 45-JE137-1A:** Omnitrac's IVG engine harness, with green 9-pin Y-cable for specific International applications
- 45-JE139-1A:** Omnitrac's IVG engine harness, with green 9-pin Y-cable and splice pack for specific Freightliner applications
- 45-JE140-1A:** Omnitrac's IVG engine harness, with RP1226 Y-cable for specific Volvo and Mack applications
- 45-JE141-1A:** Omnitrac's IVG engine harness, with RP1226 Y-cable for specific Peterbilt and Kenworth applications

- 45-JE142-1A:** Omnitrac's IVG engine harness, with RP1226 Y-cable for specific Freightliner and Western Star applications
- 45-JE158-1A:** Omnitrac's IVG engine harness, with RP1226 Y-cable for specific International applications



OBDII CONVERTER KIT FOR IVG & MCP SYSTEMS ON LIGHT-DUTY OR PASSENGER VEHICLES PART NUMBER: **BB-LD2ELDQCD-KIT**

FEATURES: The intelligent streamer extracts and translates the complex OBDII data from the vehicle bus and converts it into easy-to-use parameters. The streamer retrieves and interprets the diagnostic data (vehicle/engine speed; odometer/distance traveled; instate fuel rate and total fuel; diagnostic trouble codes; emissions; and ignition, brake switch and seatbelt status) from the OBDII bus. The OBDII supports any 1996 or newer vehicles that comply with the SAE J1979 OBDII specification. The unit is field upgradeable. It can operate from -40 to 85°C and has been tested to strict shock and vibration standards. Kit Includes: OBDII Converter, Y-cable, Host Cable, and Installation Kit

OMNITRACS IVG HARDWARE GUIDE - USA & CANADA

Truck Make & Model if no model listed, assume all	Year of Manufacture	Engine Type	Diagnostic Connector	USA Kit Part No.	CANADIAN Kit Part No.	Cable ONLY Part Number
Freightliner Freightliner Freightliner P4 Cascadia Freightliner P3, P4, M2 & SD	2005 & older 2006 - 2015 2016 + 2016 +	All All All All	6-pin 9-pin 9-pin Type II (green) & Splice Pack RP1226	PP807064 PP807062 PP807102 PP807146	PP807132 PP807127 PP807129 PP807151	45-JE132-1A 45-JE133-1A 45-JE139-1A 45-JE142-1A
Kenworth Kenworth Kenworth Kenworth Kenworth	2005 & older 2005 -2009 2010 - 2015 2016 + Oct. 2018 +	All All All All All	6-pin 9-pin 9-pin w/ adapter 9-pin Type II (green) RP1226	PP807064 PP807062 PP807066 PP807078 PP807145	PP807132 PP807127 PP807130 PP807131 PP807150	45-JE132-1A 45-JE133-1A 45-JE134-1A 45-JE136-1A 45-JE141-1A
Peterbilt Peterbilt Peterbilt Peterbilt Peterbilt	2005 & older 2006 - 2009 2010 - 2015 2016 + Oct. 2018 +	All All All All All	6-pin 9-pin 9-pin w/ adapter 9-pin Type II (green) RP1226	PP807064 PP807062 PP807066 PP807078 PP807145	PP807132 PP807127 PP807130 PP807131 PP807150	45-JE132-1A 45-JE133-1A 45-JE134-1A 45-JE136-1A 45-JE141-1A
International International International International International International	2006 & older 2006 - 2015 2005 & older 2005 - 2015 2016 + May 2017 +	Cummins Cummins CAT CAT All All	6-pin 9-pin 6-pin 9-pin 9-pin Type II (green) RP1226 (if spec'd)	PP807064 PP807062 PP807064 PP807062 PP807063 PP807147	PP807132 PP807127 PP807132 PP807127 PP807128 PP807152	45-JE132-1A 45-JE133-1A 45-JE132-1A 45-JE133-1A 45-JE137-1A 45-JE158-1A
Volvo Volvo Volvo Volvo Volvo Volvo Volvo	2000 & older 2001 - 2013 2013 + June 2018 + 2006 - 2016 2016 + June 2018 +	Volvo Volvo Volvo Volvo Cummins Cummins Cummins	6-pin 9-pin OBDII (16-pin) RP1226 9-pin 9-pin Type II (green) RP1226	PP807064 PP807062 PP807065 PP807144 PP807062 PP807063 PP807144	PP807132 PP807127 PP807133 PP807149 PP807127 PP807128 PP807149	45-JE132-1A 45-JE133-1A 45-JE135-1A 45-JE140-1A 45-JE133-1A 45-JE137-1A 45-JE140-1A
Mack Mack Mack Mack Mack Mack Mack	2000 & older 2001 - 2014 2014 + June 2018 + 2006 - 2016 2016 + June 2018 +	Volvo Volvo Volvo Volvo Cummins Cummins Cummins	6-pin 9-pin OBDII (16-pin) RP1226 9-pin 9-pin Type II (green) RP1226	PP807064 PP807062 PP807065 PP807144 PP807062 PP807063 PP807144	PP807132 PP807127 PP807133 PP807149 PP807127 PP807128 PP807149	45-JE132-1A 45-JE133-1A 45-JE135-1A 45-JE140-1A 45-JE133-1A 45-JE137-1A 45-JE140-1A
Western Star Western Star Western Star	2010 - 2015 2015 & newer 2019 +	All All All	9-pin 9-pin Type II (green) RP1226	PP807062 PP807063 PP807146	PP807127 PP807128 PP807151	45-JE133-1A 45-JE137-1A 45-JE142-1A

NOTE: There are many exceptions and unique truck builds that may differ from what is outlined above. To ensure accuracy, we recommend that all vehicle information come directly from the owner of the truck. A visual inspection of the truck is encouraged. Additionally, some of the 'cable only' parts referenced above include support for trucks equipped with Bendix systems. Check with your sales rep to ensure you order the correct part number if your IVG system needs to integrate Bendix.



TRIMBLE DUO KITS

FEATURES: The Trimble Duo is an Android™ connected device that combines a 7-inch touch-screen display with a 4G-LTE powered vehicle gateway, bringing all aspects of fleet mobility together in a single device. Trimble Duo is everything needed to enable compliance and connectivity, all in one piece of hardware, which not only saves money but streamlines the installation of equipment to get vehicles back on the road sooner. Duo utilizes the Trimble eDriver Logs® ELD platform, empowering drivers to easily track their hours of service electronically to ensure compliance with federal mandates. Additional standard applications included are GPS track and trace, unlimited two-way messaging, driver vehicle inspection reporting (DVIR), driver scorecards, fault code reporting, Onboard Event Recording® (OER), and other vehicle and driver reporting capabilities. Additional advanced applications available for subscription include state miles audit detail reports, in-cab navigation by Trimble MAPS, Driver's Assist when paired with Trimble Video Intelligence™ (VI), safety analytics, SpeedGauge®, and Drivewyze™ Weigh Station Bypass. Dimensions: 9" W x 6.2" H x 1.2" D • Four internal antennas: Cellular, Wi-Fi, GPS, and Bluetooth • Two USB 2.0 ports • Ambient light sensor to auto adjust screen brightness for optimal in-cab viewing • Internal 3-axis auto-calibrating accelerometer for recording and triggering vehicle movement, including OER events for sudden start, sudden stop, and excessive lateral events • Internal forward facing speaker to support audible alerts and notifications • Supports J1939 (CAN2) – 250 and 500 KBPS interfaces • 3-year limited warranty • Kit Includes: Duo Display, engine installation cable, RAM® mount and accessories, and cab card



TRIMBLE DUO KIT WITH
2-PIN INSTALL KIT
PART NUMBER: **M-010-0648-KIT**



TRIMBLE DUO KIT WITH
9-PIN INSTALL KIT
PART NUMBER: **M-010-0683-KIT**



TRIMBLE DUO KIT WITH
VOLVO/MACK INSTALL KIT
PART NUMBER: **M-010-0650-KIT**



TRIMBLE DUO KIT WITH
RP1226 CABLE
PART NUMBER: **M-010-0699-KIT**



TRIMBLE PD.5 DISPLAY
PART NUMBER: **M-010-0634**
FEATURES: The PeopleNet Display.5 (PD.5) is an Android-powered fixed-mount display built specifically for commercial

trucking applications. This display enables customers to implement a ruggedized driver interface for complying with the Electronic Logging Device (ELD) mandate, as well as leverage many other applications such as Driver Assist, Navigation and In-cab Scanning. When paired with Trimble Video Intelligence cameras and DVRs, driver experience is elevated by providing greater visibility to the surrounding environment allowing drivers to maneuver vehicles more simply. Side and rear cameras will utilize the Driver Assist feature to stream views directly to the in-cab display when turn signals are engaged or the vehicle is in reverse to remove blind spots and prevent accidents. If the PD.5 is also paired to a PMG onboard computer, event recordings will be triggered by true engine events adding even greater value to customer safety programs. Part Number includes all accessories needed for a complete application: RAM Mount and cable for integrating to, and sourcing power from, the PMG device.



TRIMBLE DUO DISPLAY (TDD)
PART NUMBER: **M-010-0759**
FEATURES: The Trimble Duo Display (TDD) is an Android-powered fixed-mount display that offers Wi-Fi connectivity and

2GB of memory with a quad-core processor. The TTD runs Trimble's PMobile, eFleetSuite and MAPs applications, as well as third-party apps such as DriveWyz. The TTD can pair with the PMG, PCG or Trimble Gateway to create a customizable solution for LTE connectivity. Its larger battery offers 15 minutes of unhooked connectivity, even when used outside of the cab. The TDD does not support image capture. • Fast and easy installation • Intuitive Touch-screen • Easy-disconnect - although dashboard mounted the easy-disconnect feature allows for short-term portability for ELD vehicle inspection reports and signature capture • Ruggedized • Wi-Fi, GPS, and Bluetooth • Dimensions: 9"W x 6.2"H x 1.2"D • Internal antenna • Two USB 2.0 ports • 7" color TFT LCD Touch screen display with LED backlighting / Brightness 500 nits minimum • Viewing angle: Horizontal (left/right) = 70° / 70° minimum; Vertical (top/bottom) = 50° / 60° minimum • Main Processor Unit: CPU – freescale i.MX6Q Quad Core (ARM Cortex A9 core) running at 1.0GHz (2.5 DMIPS/MHz per core) or higher performance • Flash Memory/Mass Storage: 16 GB eMMC managed NAND flash memory minimum • Main Memory: 2 GB DDR3 533 minimum • Internal forward facing speaker to support audible alerts and notifications • External Storage: Full SD card slot that supports SDXC format with capacities up to 128GB memory card. Access to the SD slot should be secured • Operating Temperature: -20° C to +70° C with external power; -10° C to +60° C with battery power • 3-year limited warranty



TRIMBLE DUO KIT HARDWARE GUIDE

There are many exceptions and unique truck builds that may differ from what is outlined below. To ensure accuracy, we recommend all vehicle information come directly from the truck owner. A visual inspection of the truck is encouraged.

Truck Make	Model	Year	Diagnostic Connector	Duo Kit Part Number
Freightliner	All	2008 - 9/2019	9-Pin*	M-010-0683-KIT
	All	2019+	RP1226	M-010-0699-KIT
Kenworth	All	2007 - 11/2018	9-Pin*	M-010-0683-KIT
	W990, K270, K370, K270E, K370E, T170, T270, T370, T440, T470, T800, W900, C500	12/2018+	9-Pin*	M-010-0683-KIT
	T680 & T880	2018+	RP1226	M-010-0699-KIT
Peterbilt	All	2007 - 11/2018	9-Pin*	M-010-0683-KIT
	389, 520, 367, 365, 348, 337, 330, 325, 220, 579EV, 520EV, 220EV	12/2018+	9-Pin*	M-010-0683-KIT
	567 & 579	2018+	RP1226	M-010-0699-KIT
International	All	2008+	9-Pin*	M-010-0683-KIT
	All (if spec'd)**	5/2017+	RP1226	M-010-0699-KIT
Mack	All	2008 - 2012	9-Pin*	M-010-0683-KIT
	All w/ Cummins Engine	2013 - 2017	9-Pin*	M-010-0683-KIT
	All w/ Mack Engine	2013 - 2017	16-Pin / OBDII	M-010-0650-KIT
	All	2018 - 9/2020	2-Pin	M-010-0648-KIT
	All	9/2020+	RP1226	M-010-0699-KIT
Volvo	All	2008 - 2012	9-Pin*	M-010-0683-KIT
	All w/ Cummins Engine	2013-2017	9-Pin*	M-010-0683-KIT
	All w/ Volvo Engine	2013-2017	16-Pin / OBDII	M-010-0650-KIT
	All	2018 - 9/2019	2-Pin	M-010-0648-KIT
	All	10/2019+	RP1226	M-010-0699-KIT
Western Star	All	2008+	9-Pin*	M-010-0683-KIT

*Optional 9-Pin Y-Cable adapter available for customers wanting covert installation behind the dash, but wish to have a diagnostic port still accessible for service tools - part number: L-016-0637

**Option codes for RP1226 must be spec'd by customer, and do not come standard on all International vehicles. Please check with your sales rep for a listing of all option codes for RP1226

COLLISION AVOIDANCE

CAMERA SYSTEMS

360° CAMERA SYSTEMS

BRIGADE®



BACKEYE® 360° CAMERA / MONITOR SYSTEM FOR LARGE RIGID VEHICLES WITH TWO YEAR WARRANTY
PART NUMBER: **SE-770-100**



All vehicles have blind spots - areas around the vehicle that are concealed to the driver by bodywork, a trailer, the payload or some other obstruction. When maneuvering, these blind spots present a significant danger to anything or anyone in the vehicle's path and inhibit the driver's ability to operate the vehicle safely.

Backeye® 360 is an intelligent camera monitor system designed to assist low-speed maneuvering by providing the driver with a complete surround view of the vehicle in real time. High-mounted on the front, rear and sides, the calibrated cameras capture all of the surrounding area including the blind spots of the vehicle. The four live images are simultaneously sent to an electronic control unit (ECU) where they are instantly processed, combined, blended and stitched. The distortion from the wide-angle camera lens is also corrected before delivering a clear, single, smooth, real-time image onto the driver's monitor.

SYSTEM INCLUDES: one 7-inch Digital LCD Monitor - Size 7.7" W x 4.6" H x 1" D, one Electronic Control Unit (ECU) - Size 6.9" W x 4" H x 1.2" D, four IP69K Cameras - Size (each) 1.4" W x 2.4" H x 1.8" D, one Video Output Cable (to connect to monitor), one Set-up/View-select Button, one IR Receiver and Remote Control, one ECU Power Harness, one ECU Interface Harness, one 10 m / 33' Camera Cable, two 15 m / 49' Camera Cables, and one 20 m / 66' Camera Cable

FEATURES:

- 360° Image
- 12-24Vdc
- 19 Different View Modes (max 10 views per chosen configuration group) Including:
 - Landscape or Portrait Configurations;
 - Front & Rear Crossing-traffic;
 - Left & Right Lane Changing Assist;
 - Customizable Vehicle Position
- 4 Pre-defined Configuration Groups
- Configure & Customize Set Up via Monitor and IR Remote Control
- Left, Right, Reverse & Speed Signal Triggers
- Configurable On-screen Parking Markers
- Manual View-select button
- 3 Video Outputs
- Ultra-wide Viewing Angle Cameras (H x V) 185° x 142°
- 1/3.6' CMOS Sensor
- TV System: NTSC & PAL (via switch)

POWER: Power Consumption: 8 Watts • Current: 0.65 Amps

DURABILITY & STANDARDS: Mechanical vibration: 8.5G • Mechanical shock: 50G • Operating temperature: -30 to +75°C / -22 to +167°F • IP30 ECU • CE marked • EMC approved: E • FCC Approved • IC Approved • HALT tested

NOTES:

Calibration Kit is Required for Installation
Monitor and Camera Extension Cables Not Included

CAMERA SYSTEMS - WIRED

BRIGADE®

CAMERA / MONITOR COMPATIBILITY FOR BUILDING A WIRED BRIGADE CAMERA SYSTEM

REAR OR FRONT VIEW SELECT CAMERA(S) PART NUMBER: VBV-701C <u>VIEWING ANGLE</u> (HxVxD) 86 x 72 x 122° NTSC	7" MONITOR / 4 CAMERA INPUTS PART NUMBER: VBV-770HFM <i>Plus appropriate length connecting camera cable(s)</i>
RIGHT SIDE, LEFT SIDE, REAR OR FRONT VIEW COMPACT FLUSH-MOUNT EYEBALL SELECT CAMERA(S) MIRROR VIEW PART NUMBER: VBV-301C <u>VIEWING ANGLE</u> (HxVxD) 111 x 80 x 153° NTSC <u>LENS SWIVEL ADJUSTMENT</u> 26" (TOP) x 4" (BOTTOM) x 4" (LEFT) x 4" (RIGHT)	7" MONITOR / 4 CAMERA INPUTS PART NUMBER: VBV-770HFM <i>Plus appropriate length connecting camera cable(s)</i>
Complete product descriptions for Brigade wired cameras, monitors and Select camera cables can be found in the 'CAMERA SYSTEMS PARTS & CABLES' section of this catalog. For a complete list of Brigade cameras, adapters, and ancillaries to build your own system please visit www.panapacific.com .	



PRO-VIEW Professional Series

7" COLOR LCD SYSTEM WITH WATERPROOF REAR VIEW COLOR CMOS CAMERA W/ NIGHT VISION LEDS AND 35' EXTENDER CABLE
PART NUMBER: **MCS-10PP**

FEATURES: Monitor (Part No. M115C) Features: 7" Color LCD monitor w/wide viewing angle • One PAL/NTSC camera input • One A/V input • Built-in speaker • Full function remote control • Accessories included: Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness & remote control • Rear View Camera (Part No. C122H) Features: 1/3" Color CMOS Sensor • Built-in 18 IR LEDs for improved night vision • Built-in waterproof mic • Reverse image picture • Waterproof housing • Adjustable mount & sun shield • Waterproof cable connection • Operating Temp: -20°C to 70°C (Relative humidity 95%) • Storage Temp: -40°C to 80°C (Relative humidity 95%) • Includes 35' Extender Cable (Part No. RRC-35)



PRO-VIEW Professional Series

7" COLOR LCD SYSTEM WITH WATERPROOF REAR VIEW COLOR CMOS CAMERA W/ NIGHT VISION LEDS AND 70' EXTENDER CABLE
PART NUMBER: **MCS-10PP70**

FEATURES: Monitor (Part No. M115C) Features: 7" Color LCD monitor w/wide viewing angle • One PAL/NTSC camera input • One A/V input • Built-in speaker • Full function remote control • Accessories included: Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness & Remote control • Rear View Camera (Part No. C122H) Features: 1/3" Color CMOS Sensor • Built-in 18 IR LEDs for improved night vision • Built-in waterproof mic • Reverse image picture • Waterproof housing • Adjustable mount & sun shield • Waterproof cable connection • Operating Temp: -20°C to 70°C (Relative humidity 95%) • Storage Temp: -40°C to 80°C (Relative humidity 95%) • Includes 70' Extender Cable (Part No. RRC-70)



PRO-VIEW
Professional Series

7" COLOR LCD SYSTEM WITH WATERPROOF REAR VIEW COLOR CMOS CAMERA W/ NIGHT VISION LEDS - 35' AND 70' EXTENDER CABLES AND DISCONNECT CABLE
PART NUMBER: **MCS-10PP-ST**
FEATURES: Monitor (Part No. M115C) Features: 7" Color LCD monitor w/wide viewing angle • One PAL/NTSC camera input • One A/V input • Built-in speaker • Remote Control • Accessories

included: Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness and remote control • Rear View Camera (Part No. C122H) Features: 1/3" Color CMOS Sensor • Built-in 18 IR LEDs for improved night vision • Built-in waterproof mic • Reverse image picture • Waterproof housing • Adjustable mount & sun shield • Waterproof cable connection • Operating Temp: -20°C to 70°C (Relative humidity 95%) • Storage Temp: -40°C to 80°C (Relative humidity 95%) • Includes one 35' Extender Cable (Part No. RRC-35) and one 70' Extender Cable (Part No. RRC-70) • Also includes Heavy-Duty trailer Pro-View Camera Cable (Part No. CAM-HDT-PLA) - Cable stretches up to 10' in length, compatible w/Pro-View Camera Systems, Panel mount quick disconnect sockets with spring mounted covers for both tractor and trailer, coiled cable with connectors, connects any trailer mounted camera with any tractor mounted monitor.



PRO-VIEW
Professional Series

PREMIUM 7" COLOR LCD SYSTEM WITH WATERPROOF REAR VIEW COLOR CMOS CAMERA W/ NIGHT VISION LEDS - 35' & 70' EXTENDER CABLES AND DISCONNECT CABLE
PART NUMBER: **MCS-13PP-ST**
FEATURES: Monitor (Part No. M130C) Features: 7" Color LCD monitor with wide viewing angle • Three PAL/NTSC camera inputs • One front

panel mount A/V input for games • Built-in speaker • Button-controlled brightness • Remote Control • Accessories included: Sun shield and U-bracket, Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness and remote control • Rear View Camera (Part No. C122H) Features: 1/3" Color CMOS Sensor • Built-in 18 IR LEDs for improved night vision • Built-in waterproof microphone • Reverse image picture • Waterproof housing • Adjustable mount & sun shield • Waterproof cable connection • Operating Temp: -20°C to 70°C (Relative humidity 95%) • Storage Temp: -40°C to 80°C (Relative humidity 95%) • Includes one 35' Extender Cable (Part No. RRC-35) and one 70' Extender Cable (Part No. RRC-70) • Also includes Heavy-Duty trailer Pro-View Camera Cable (Part No. CAM-HDT-PLA) - cable stretches up to 10' in length, compatible w/Pro-View Camera Systems, Panel mount quick disconnect sockets with spring mounted covers for both tractor and trailer, coiled cable with connectors, connects any trailer mounted camera with any tractor mounted monitor.



PRO-VIEW
Professional Series

PREMIUM 7" COLOR LCD SYSTEM WITH WATERPROOF REAR VIEW COLOR CMOS CAMERA WITH NIGHT VISION LEDS AND 35' EXTENDER CABLE
PART NUMBER: **MCS-13PP**
FEATURES: Monitor (Part No. M130C) Features:

7" Color LCD monitor with wide viewing angle • Three PAL/NTSC camera inputs • One front panel mount A/V input for games • Built-in speaker • Button-controlled brightness • Remote Control • Accessories included: Sun shield and U-bracket, Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness and remote control • Rear View Camera (Part No. C122H) Features: 1/3" Color CMOS Sensor • Built-in 18 IR LEDs for improved night vision • Built-in waterproof mic • Reverse image picture • Waterproof housing • Adjustable mount & sun shield • Waterproof cable connection • Operating Temp: -20°C to 70°C (Relative humidity 95%) • Storage Temp: -40°C to 80°C (Relative humidity 95%) • Includes 35' Extender Cable (Part No. RRC-35)



PRO-VIEW
Professional Series

7" COLOR LCD SYSTEM WITH SIDE VIEW COLOR CMOS CAMERA AND 16' EXTENDER CABLE
PART NUMBER: **MCS-20PP**
FEATURES: Monitor (Part No. M115C) Features: 7" Color LCD monitor with wide viewing angle • One PAL/NTSC camera input • One A/V input • Built-in speaker • Remote Control • Accessories

included: Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness and remote control • Side View Camera (Part No. C-SDR-CMOS) Features: Custom side mount 1/3" color CMOS camera • Specifically designed for right or left side mounting • Waterproof camera and housing • Reverse image • Night vision • 92° - 120° viewing angle • Easy mounting • Paintable housing • Includes 16' Extender Cable (Part No. RRC-16)



PRO-VIEW
Professional Series

PREMIUM 7" COLOR LCD SYSTEM WITH WATERPROOF REAR VIEW COLOR CMOS CAMERA WITH NIGHT VISION LEDS AND 70' EXTENDER CABLE
PART NUMBER: **MCS-13PP70**
FEATURES: Monitor (Part No. M130C) Features:

7" Color LCD monitor with wide viewing angle • Three PAL/NTSC camera inputs • One front panel mount A/V input for games • Built-in speaker • Button-controlled brightness • Full function remote control • Accessories included: Sun shield and U-bracket, Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness and remote control • Rear View Camera (Part No. C122H) Features: 1/3" Color CMOS Sensor • Built-in 18 IR LEDs for improved night vision • Built-in waterproof microphone • Reverse image picture • Waterproof housing • Adjustable mount & sun shield • Waterproof cable connection • Operating Temp: -20°C to 70°C (Relative humidity 95%) • Storage Temp: -40°C to 80°C (Relative humidity 95%) • Includes 70' Extender Cable (Part No. RRC-70)



PRO-VIEW
Professional Series

PREMIUM 7" COLOR LCD SYSTEM WITH SIDE VIEW COLOR CMOS CAMERA AND 16' EXTENDER CABLE
PART NUMBER: **MCS-23PP**
FEATURES: Monitor (Part No. M130C) Features: 7" Color LCD monitor with wide viewing angle • Three PAL/NTSC camera inputs • One front panel mount A/V input for games • Built-in speaker •

Button-controlled brightness • Full function remote control • Accessories included: Sun shield and U-bracket, Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness and remote control • Side View Camera (Part No. C-SDR-CMOS) Features: Custom side mount 1/3" color CMOS camera • Specifically designed for right or left side mounting • Waterproof camera and housing • Reverse image • Night vision • 92° - 120° viewing angle • Easy mounting • Paintable housing • Includes 16' Extender Cable (Part No. RRC-16)



PRO-VIEW *Professional Series*

PREMIUM 7" COLOR LCD SYSTEM WITH TWO CMOS CAMERAS (REAR VIEW AND SIDE VIEW), ONE 16' EXTENDER CABLE AND ONE 35' EXTENDER CABLE
PART NUMBER: **MCS-30PP**

FEATURES: Monitor (Part No. M130C) Features: 7" Color LCD monitor with wide viewing angle • Three PAL/NTSC camera inputs • One front panel mount A/V input for games • Built-in speaker • Button-controlled brightness • Remote Control • Accessories included: Sun shield and U-bracket, Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness and remote control • Rear View Camera (Part No. C122H) Features: 1/3" Color CMOS Sensor • Built-in 18 IR LEDs for improved night vision • Built-in waterproof mic • Reverse image picture • Waterproof housing • Adjustable mount & sun shield • Waterproof cable connection • Operating Temperature: -20°C to 70°C (Relative humidity 95%) • Storage Temperature: -40°C to 80°C (Relative humidity 95%) • Side View Camera (Part No. C-SDR-CMOS) Features: Custom side mount 1/3" color CMOS camera • Specifically designed for right or left side mounting • Waterproof camera and housing • Reverse image • Night vision • 92° - 120° viewing angle • Easy mounting • Paintable housing • Includes one 16' Extender Cable (Part No. RRC-16) & one 35' Extender Cable (Part No. RRC-35)



PRO-VIEW *Professional Series*

PREMIUM 7" COLOR LCD SYSTEM WITH THREE CMOS CAMERAS (REAR VIEW AND TWO SIDE VIEW) TWO 16' EXTENDER CABLES AND ONE 35' EXTENDER CABLE
PART NUMBER: **MCS-40PP**

FEATURES: Monitor (Part No. M130C) Features: 7" Color LCD monitor with wide viewing angle • Three PAL/NTSC camera inputs • One front panel mount A/V input for games • Built-in speaker • Button-controlled brightness • Full function remote control • Accessories included: Sun shield and U-bracket, Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness and remote control • Rear View Camera (Part No. C122H) Features: 1/3" Color CMOS Sensor • Built-in 18 IR LEDs for improved night vision • Built-in waterproof microphone • Reverse image picture • Waterproof housing • Adjustable mount and sun shield • Waterproof cable connection • Operating Temperature: -20°C to 70°C (Relative humidity 95%) • Storage Temperature: -40°C to 80°C (Relative humidity 95%) • Side View Camera (Part No. C-SDR-CMOS) Features: Custom side mount 1/3" color CMOS camera • Specifically designed for right or left side mounting • Waterproof camera and housing • Reverse image • Night vision • 92° - 120° viewing angle • Easy mounting • Paintable housing • Includes two 16' Extender Cables (Part No. RRC-16) and one 35' Extender cable (Part No. RRC-35)



PRO-VIEW *Professional Series*

PREMIUM 7" COLOR LCD SYSTEM WITH TWO CMOS CAMERAS (REAR VIEW AND SIDE VIEW), ONE 16' EXTENDER CABLE, ONE 35' EXTENDER CABLE, ONE 70' EXTENDER CABLE AND A DISCONNECT CABLE
PART NUMBER: **MCS-30PP-ST**

FEATURES: Monitor (Part No. M130C) Features: 7" Color LCD monitor w/ wide viewing angle • Three PAL/NTSC camera inputs • One front panel mount A/V input for games • Built-in speaker • Button-controlled brightness • Remote Control • Accessories included: Sun shield & U-bracket, Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness and remote control • Rear View Camera (Part No. C122H) Features: 1/3" Color CMOS Sensor • Built-in 18 IR LEDs for improved night vision • Built-in waterproof mic • Reverse image picture • Waterproof housing • Adjustable mount & sun shield • Waterproof cable connection • Operating Temp: -20°C to 70°C (Relative humidity 95%) • Storage Temp: -40°C to 80°C (Relative humidity 95%) • Side View Camera (Part No. C-SDR-CMOS) Features: Custom side mount 1/3" color CMOS camera • Specifically designed for right or left side mounting • Waterproof camera and housing • Reverse image • Night vision • 92° - 120° viewing angle • Easy mounting • Paintable housing • Includes one 16' Extender Cable (Part No. RRC-16), one 35' Extender Cable (Part No. RRC-35) and one 70' Extender Cable (Part No. RRC-70) • Also includes Heavy-Duty trailer Pro-View camera cable (Part No. CAM-HDT-PLA) - cable stretches up to 10' in length, compatible w/Pro-View camera systems, panel mount quick disconnect sockets with spring mounted covers for both tractor and trailer, coiled cable with connectors, connects any trailer mounted camera with any tractor mounted monitor.



PRO-VIEW *Professional Series*

PREMIUM 7" COLOR LCD SYSTEM WITH THREE CMOS CAMERAS (REAR VIEW AND TWO SIDE VIEW), TWO 16' EXTENDER CABLES, ONE 35' EXTENDER CABLE, ONE 70' EXTENDER CABLE AND A DISCONNECT CABLE
PART NUMBER: **MCS-40PP-ST**

FEATURES: Monitor (Part No. M130C) Features: 7" Color LCD monitor with wide viewing angle • Three PAL/NTSC camera inputs • One front panel mount A/V input for games • Built-in speaker • Button-controlled brightness • Full function remote control • Accessories included: Sun shield and U-bracket, Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness and remote control • Rear View Camera (Part No. C122H) Features: 1/3" Color CMOS Sensor • Built-in 18 IR LEDs for improved night vision • Built-in waterproof microphone • Reverse image picture • Waterproof housing • Adjustable mount & sun shield • Waterproof cable connection • Operating Temp: -20°C to 70°C (Relative humidity 95%) • Storage Temp: -40°C to 80°C (Relative humidity 95%) • Side View Camera (Part No. C-SDR-CMOS) Features: Custom side mount 1/3" color CMOS camera • Specifically designed for right or left side mounting • Waterproof camera and housing • Reverse image • Night vision • 92° - 120° viewing angle • Easy mounting • Paintable housing • Includes two 16' Extender cables (Part No. RRC-16), one 35' Extender cable (Part No. RRC-35) and one 70' Extender cable (Part No. RRC-70) • Also includes Heavy-Duty trailer Pro-View camera cable (Part No. CAM-HDT-PLA) - cable stretches up to 10' in length, compatible w/Pro-View camera systems, panel mount quick disconnect sockets with spring mounted covers for both tractor and trailer, coiled cable with connectors, connects any trailer mounted camera with any tractor mounted monitor.

CAMERA SYSTEMS - WIRELESS

BRIGADE®



WIRELESS CAMERA MONITOR CONNECTION SYSTEM WITH TWO YEAR WARRANTY

DIGITAL WIRELESS RECEIVER
PART NUMBER: **DW-1001-RX**

DIGITAL WIRELESS TRANSMITTER
PART NUMBER: **DW-1001-TX**

Brigade's new wireless system utilizes Brigade's wired cameras and monitors but eliminates excess cabling, saving up to two hours' fitment time and removes the need for an additional suzie cable.



New digital wireless technology gives almost instant pictures (camera to monitor in less than 200 milliseconds) and is not affected by electrical interference from other vehicle or machine equipment. The camera image is sent to the monitor via a transmitter and receiver, and once connected, the wireless link is secure. The system also features an easy re-pairing function, allowing the receiver to be linked to a different transmitter making interchanging trailers possible.

FEATURES:

- Image Latency: 200 milliseconds
- Digital Technology
- 12-24Vdc
- 1 Camera Input
- IP69K (Transmitter)
- Size (WxHxD) 4.4" x 4.8" x 1.2" (each)
- No need for Retractable Coiled Cables
- Reduces Installation Time
- Re-pair Facility allows for Interchangeable Trailers
- Triggered by Reverse Gear
- TV System NTSC
- Secure Connection

POWER: Maximum Current Amps: TX: 0.85 RX: 0.17 • Power Consumption: TX: 9.8 Watts RX: 2.2 Watts

DURABILITY & STANDARDS: Operating temperature: -40 to +70°C / -40 to +158°F • Mechanical vibration: 6G • Mechanical shock: 20G • CE marked • EMC approved: E • FCC approved

NOTE: AC-006 & AC-007 adapter cables are required to connect to Brigade Select range camera(s) and monitor - Please visit www.panapacific.com for a complete list of Brigade products.



PRO-VIEW *Professional Series*

2.4 GHZ WIRELESS COLOR CMOS CAMERA
PART NUMBER: **CAM175-W**

FEATURES: 2.4 GHz Wireless Color CMOS Camera • Image color clarity: IR cut filter • Transmission distance up to 150 feet* • Image

Pick-Up Device: 1/3" Color CMOS • Field of View 120° • Waterproof: IP69K • Picture Elements: PAL: 960(H) x 480(V); NTSC: 960(H) x 480(V) • Horizontal Resolutions: 600TVL • Minimum Illumination: 3.0 Lux (F:1.2) / 0 Lux at night (IR LED ON) • Board Lens 2.8mm • Automatic White Balance • Automatic Electronic Shutter Control • Adjustable Mount with Sun Shield • Power Supply: DC11~32V • Transmission Power: 18 dbm • Operating Temp: -20°C to 70°C • Storage Temp: -40°C to 80°C

PRO-VIEW *Professional Series*

2.4 GHZ WIRELESS 7" COLOR TFT-LCD MONITOR (1 TO 2 CAMERAS)
PART NUMBER: **M100-W**



2.4 GHZ WIRELESS 7" COLOR TFT-LCD MONITOR (1 TO 4 CAMERAS)
PART NUMBER: **M400-W**



FEATURES: 2.4 GHz Wireless 7" High Resolution Color TFT-LCD Monitor • Reception distance up to 150 feet* • 3.5mm front panel mount audio/video input • ABS monitor housing endures high temperatures • Monitor circuit has protector for battery reverse (+/-) • LED Backlight display with constant voltage, constant current circuit protection which can solve LED working temperature problems (the limit of LED backlight's current) to prolong life • Monitor OSD menu can set each channel camera image in 4 modes: NOR / MIR / UP / DOWN • Waterproof: IP69K • Operation Frequency: 2400-2483.5 mhz • Resolution: 800 x (rgb) x 480 • View angle (LR/UD): L/R: 70/70 U/D: 50/70 • Response Time(ms): 25 • Operation Voltage Range Supply: DC8V-32V (5W Max) • Dimension (LxWxT): 185 x 122 x 28 (mm) • Transmission Power: 18dBm with Power Control • Operating Temperature: -20°C-+60°C • Storage Temperature: -30°-+80°C • Simplified Pairing Process

* **NOTE:** Reception Distance between Camera(s) and a Monitor: Up to 150 feet - reception range may be less if obstacles or interference exist (examples: metal or concrete buildings; cell or microwave interference).

COLLISION AVOIDANCE

CAMERA SYSTEMS PARTS & CABLES



BRIGADE®

COMPACT FLUSH-MOUNT EYEBALL CAMERA - MIRROR VIEW WITH TWO YEAR WARRANTY
PART NUMBER: **VBV-301C**

FEATURES: Viewing Angle (HxVxD) 111° x 80° x 153° • IP69K • Size (WxHxD) 2.2" x 1.7" x 2.8" • Lens Swivel Adjustment: 26° (Top) x 4° (Bottom) x 4° (Left) x 4° (Right) • Lens Rotation Adjustment: ±180° • 5 High Power Infrared LEDs for Ultra-low

Light Performance • 3 x 4.5m Illumination Distance • Day / Night sensor • Integrated Microphone • 1/3" Sharp CCD • TV System: NTSC • TV Lines: 600 NTSC • Power Consumption: 2.3 Watts • Current Consumption: 0.16 Amps
DURABILITY & STANDARDS: Mechanical Vibration: 8.5G • Mechanical Shock: 51G • Operating Temperature: -30 to +70°C / -22 to +158°F • CE Marked • EMC Approved: E • FCC Approved



BRIGADE®

SELECT CAMERA CABLES
FEATURES: Brigade Select Camera Cables for Connecting a Camera(s) to a Monitor in wired Camera Systems

PART NUMBERS:

VBV-L4025 - 2.5 M / 8-FOOT
VBV-L403 - 3 M / 10-FOOT
VBV-L405 - 5 M / 16-FOOT
VBV-L406 - 6 M / 20-FOOT
VBV-L407 - 7 M / 23-FOOT
VBV-L410 - 10 M / 33-FOOT
VBV-L412 - 12 M / 39-FOOT
VBV-L415 - 15 M / 49-FOOT
VBV-L420 - 20 M / 66-FOOT
VBV-L430 - 30 M / 98-FOOT

PRO-VIEW *Professional Series*

WATERPROOF REAR VIEW COLOR CMOS CAMERA WITH NIGHT VISION LEDS
PART NUMBER: **C122H**

FEATURES: 1/3" Color CMOS Sensor • Built-in 18 IR LEDs for improved night vision • Built-in waterproof microphone • Reverse image picture • Waterproof housing • Adjustable mount and sun shield • Waterproof cable connection • Operating Temperature: -20°C to 70°C (Relative humidity 95%) • Storage Temperature: -40°C to 80°C (Relative humidity 95%)



BRIGADE®

REAR VIEW | FRONT VIEW SELECT CAMERA - NTSC WITH TWO YEAR WARRANTY
PART NUMBER: **VBV-701C**

FEATURES: Viewing Angle (HxVxD) 86° x 72° x 122° • IP67 • Size (WxHxD) 3.2" x 3" x 2.8" • 4 High-power Infrared LEDs for Ultra-Low Light Performance • 7m Illumination Distance • Audio • Mirror View •

Day / Night Sensor • 1/3" Sharp CCD • TV Lines: 750 • Power Consumption: 3 Watts • Current Consumption: 0.2 Amps

DURABILITY & STANDARDS: Mechanical Vibration: 10G • Mechanical Shock: 51G • Operating Temperature: -30 to +70°C / -22 to +158°F • CE Marked • EMC Approved: E • FCC Approved

PRO-VIEW *Professional Series*

SIDE VIEW COLOR CMOS CAMERA IN BLACK HOUSING FOR RIGHT OR LEFT SIDE OF VEHICLE
PART NUMBER: **C-SDR-CMOS**

FEATURES: Custom side mount 1/3" color CMOS camera • Waterproof camera and housing • Reverse image • Night vision • 92° - 120° viewing angle • Easy mounting • Paintable housing



BRIGADE®

7-INCH HIGH DEFINITION (HD) DIGITAL LCD SELECT MONITOR WITH TWO YEAR WARRANTY
PART NUMBER: **VBV-770HFM**

FEATURES: 12-24Vdc • Size (WxHxD) 7.2" x 4.8"

x 1" • 4 Camera Inputs • 5 Auto-triggers • Mirror / Normal Switching from Menu • On-screen Distance Markers • 'Button-lock' Anti-tamper Feature • Audio • Sun Shield • Auto-dimmer • Multi-lingual Menus • Auto-switching PAL / NTSC • Power Consumption: 27 Watts • Current Consumption: 2.2 Amps

PICTURE QUALITY: LED backlighting (gives 20,000 hours life) • Anti-glare screen • High Definition resolution • Viewing angles: Side 70° x Top 50° x Bottom 70°

DURABILITY & STANDARDS: Mechanical vibration: 4G • Mechanical shock: 50G • Operating temp: -30 to +70°C / -4 to +158°F • CE marked • EMC approved: E

AVAILABLE SUMMER 2022



PRO-VIEW *Professional Series*

HEAVY-DUTY TRAILER PRO-VIEW CAMERA CABLE
PART NUMBER: **CAM-HDT-PLA**

FEATURES: Cable stretches to 10' in length • Compatible w/Pro-View Camera Systems • Kit includes panel mount quick disconnect sockets with spring mounted covers for both tractor and trailer, and coiled cable with connectors • Connects any trailer mounted camera with any tractor mounted monitor





PRO-VIEW
Professional Series

7" COLOR LCD MONITOR W/ 1 CAMERA INPUT
PART NUMBER: **M115C**
FEATURES: 7" Color LCD monitor with wide viewing angle • One PAL/NTSC camera input • One A/V input

- Built-in speaker • Full function remote control • Accessories included: Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness and remote control



PRO-VIEW
Professional Series

7" COLOR LCD MONITOR W/ 3 CAMERA INPUTS
PART NUMBER: **M130C**
FEATURES: 7" Color LCD monitor with wide viewing

- angle • Three PAL/NTSC camera inputs • One front panel mount A/V input for games • Built-in speaker • Mirror and normal image switch • Button-controlled brightness • Full function remote control • Accessories included: Sun shield and U-bracket, Universal pedestal mount, Flush in-dash mounting housing, Power/camera input harness and remote control



PRO-VIEW
Professional Series

7" COLOR LCD QUAD VIEW SAFETY CAMERA MONITOR WITH 4 CAMERA INPUTS
PART NUMBER: **M140C4**
FEATURES: 7" Touch Color TFT-LCD monitor with

- wide viewing angle • Four camera inputs with reverse and turn signal triggering for automatic camera switching • Multiple viewing modes • Rear camera inputs supports back up cameras with audio • Front panel 3.5mm audio/video input for portable A/V devices • Built-in speaker for rear camera audio and front panel A/V inputs • Manual normal image and mirror image monitor view switching • Unlimited mounting applications • Includes: remote control, detachable sun shield, U-bracket for dash top or overhead mounting, and multi-directional pedestal mount

PRO-VIEW
Professional Series



REAR VIEW COLOR CMOS CAMERA KIT FOR KENWORTH NAVPLUS® SYSTEM OR PETERBILT SMARTNAV® SYSTEM AND FOR KENWORTH NAVPLUS® HD SYSTEM OR PETERBILT SMARTNAV® (2ND GENERATION) SYSTEM
PART NUMBER: **PP804395**
FEATURES: 1/3" Color CMOS Sensor • Built-in 18 IR

- LEDs for improved night vision • Built-in waterproof mic • Reverse image picture • Waterproof housing • Adjustable mount & sun shield • Waterproof cable connection • Operating Temp: -20°C to 70°C (Relative humidity 95%) • Storage Temp: -40°C to 80°C (Relative humidity 95%) • Includes: 70' Extender Cable (Part No. RRC-70) and Camera Display Adapter (Part No. PP204391)

For installation w/ the Kenworth NavPlus® System or the Peterbilt SmartNav® System — Installation requires a P92-8917 harness. Only one (1) P92-8917 harness is required per truck regardless of the number of cameras on the truck - the harness has one plug that connects to the back of the NavPlus® or SmartNav® head unit, and four connectors to which cameras can be added. NOTE: P92-8917 harness is SOLD SEPARATELY through PACCAR Parts.

For installation with the Kenworth NavPlus® HD System or the Peterbilt SmartNav® (2nd generation) System — Installation requires a PP207020 harness. Only one (1) PP207020 harness is required per truck regardless of the number of cameras on the truck - the harness has one plug that connects to the back of the NavPlus® HD or SmartNav® (2nd generation) head unit, and four connectors to which cameras can be added. NOTE: PP207020 harness is SOLD SEPARATELY. Product description is located on page 60.

PRO-VIEW
Professional Series

RIGHT SIDE VIEW COLOR CMOS CAMERA IN BLACK HOUSING FOR KENWORTH NAVPLUS® SYSTEM OR PETERBILT SMARTNAV® SYSTEM AND FOR KENWORTH NAVPLUS® HD SYSTEM OR PETERBILT SMARTNAV® (2ND GENERATION) SYSTEM
PART NUMBER: **PP804396**
FEATURES: Custom side mount 1/3" color CMOS camera



- Specifically designed for right side mounting • Waterproof camera and housing • Reverse image • Night vision • 92° - 120° viewing angle • Easy mounting • Paintable housing • Includes: 16' Extender Cable (Part No. RRC-16) and Camera Display Adapter (Part No. PP204391)

For installation with the Kenworth NavPlus® System or the Peterbilt SmartNav® System — Installation requires a P92-8917 harness. Only one (1) P92-8917 harness is required per truck regardless of the number of cameras on the truck - the harness has one plug that connects to the back of the NavPlus® or SmartNav® head unit, and four connectors to which cameras can be added. NOTE: P92-8917 harness is SOLD SEPARATELY through PACCAR Parts.

For installation with the Kenworth NavPlus® HD System or the Peterbilt SmartNav® (2nd generation) System — Installation requires a PP207020 harness. Only one (1) PP207020 harness is required per truck regardless of the number of cameras on the truck - the harness has one plug that connects to the back of the NavPlus® HD or SmartNav® (2nd generation) head unit, and four connectors to which cameras can be added. NOTE: PP207020 harness is SOLD SEPARATELY. Product description is located on page 60.

PRO-VIEW
Professional Series

LEFT SIDE VIEW COLOR CMOS CAMERA IN BLACK HOUSING FOR KENWORTH NAVPLUS® SYSTEM OR PETERBILT SMARTNAV® SYSTEM AND FOR KENWORTH NAVPLUS® HD SYSTEM OR PETERBILT SMARTNAV® (2ND GENERATION) SYSTEM
PART NUMBER: **PP804397**
FEATURES: Custom side mount 1/3" color CMOS camera



- Specifically designed for left side mounting • Waterproof camera and housing • Reverse image • Night vision • 92° - 120° viewing angle • Easy mounting • Paintable housing • Includes: 16' Extender Cable (Part No. RRC-16) and Camera Display Adapter (Part No. PP204391)

For installation with the Kenworth NavPlus® System or the Peterbilt SmartNav® System — Installation requires a P92-8917 harness. Only one (1) P92-8917 harness is required per truck regardless of the number of cameras on the truck - the harness has one plug that connects to the back of the NavPlus® or SmartNav® head unit, and four connectors to which cameras can be added. NOTE: P92-8917 harness is SOLD SEPARATELY through PACCAR Parts.

For installation with the Kenworth NavPlus® HD System or the Peterbilt SmartNav® (2nd generation) System — Installation requires a PP207020 harness. Only one (1) PP207020 harness is required per truck regardless of the number of cameras on the truck - the harness has one plug that connects to the back of the NavPlus® HD or SmartNav® (2nd generation) head unit, and four connectors to which cameras can be added. NOTE: PP207020 harness is SOLD SEPARATELY. Product description is located on page 60.

COLLISION AVOIDANCE

PRO-VIEW *Professional Series*



FRONT VIEW COLOR CCD CAMERA KIT FOR KENWORTH NAVPLUS® SYSTEM OR PETERBILT SMARTNAV® SYSTEM
PART NUMBER: **PP804430**
FEATURES: 1/3" Color CCD Sensor • Built-in 18 IR

LEDs for improved night vision • Built-in waterproof mic • Waterproof housing • Adjustable mount/sun shield • Waterproof cable connection • Operating Temp: -20°C to 70°C (Relative humidity 95%) • Storage Temp: -40°C to 80°C (Relative humidity 95%) • Includes: 16' Extender Cable (Part No. RRC-16) and Camera Display Adapter (Part No. PP204391)

For installation with the Kenworth NavPlus® System or the Peterbilt SmartNav® System — A P92-8917 harness is required. Only one (1) P92-8917 harness is required per truck regardless of the number of cameras on the truck - the harness has one plug that connects to the back of the NavPlus® or SmartNav® head unit, and four connectors to which cameras can be added. NOTE: P92-8917 harness is SOLD SEPARATELY through PACCAR Parts.

PRO-VIEW *Professional Series*



FRONT VIEW COLOR CMOS CAMERA KIT FOR KENWORTH NAVPLUS® HD SYSTEM OR PETERBILT SMARTNAV® (2ND GENERATION) SYSTEM
PART NUMBER: **PP807032**
FEATURES: 1/3" Color CMOS Sensor • Built-in 18 IR

LEDs for improved night vision • Built-in waterproof mic • Reverse image picture • Waterproof housing • Adjustable mount/sun shield • Waterproof cable connection • Operating Temp: -20°C to 70°C (Relative humidity 95%) • Storage Temp: -40°C to 80°C (Relative humidity 95%) • Includes: 16' Extender Cable (Part No. RRC-16) and Camera Display Adapter (Part No. PP204391)

For installation with the Kenworth NavPlus® HD System or the Peterbilt SmartNav® (2nd generation) System — A PP207020 harness is required. Only one (1) PP207020 harness is required per truck regardless of the number of cameras on the truck - the harness has one plug that connects to the back of the NavPlus® HD or SmartNav® (2nd generation) head unit, and four connectors to which cameras can be added. NOTE: PP207020 harness is SOLD SEPARATELY. Product description is listed below.

PRO-VIEW *Professional Series*



CAMERA HARNESS FOR KENWORTH NAVPLUS® HD SYSTEM OR PETERBILT SMARTNAV® (2ND GENERATION) SYSTEM
PART NUMBER: **PP207020**
FEATURES: 11" Harness • ISO DIN Connection

Male/Female • 4 Camera adapter switches (Back, Left, Right, Front) • Connector for cameras to the Kenworth NavPlus® HD System or the Peterbilt SmartNav® (2nd generation) System — Only one (1) PP207020 harness is required per truck regardless of the number of cameras on the truck - the harness has one plug that connects to the back of the NavPlus® HD or SmartNav® (2nd generation) head unit, & four connectors to which cameras can be added.

PRO-VIEW *Professional Series*



EXTENDER CABLES FOR PRO-VIEW CAMERA SYSTEMS

FEATURES: Compatible w/Pro-View Camera Systems

Extension cables can be added between any camera & the monitor to address extra long vehicles or special cable routing requirements • Any combination of up to three cables can be assembled as required • Total cable lengths of up to 150 feet (70' + 70' + 10') are possible with no degradation of video signal

10' EXTENDER CABLE	PART NUMBER: RRC-10
16' EXTENDER CABLE	PART NUMBER: RRC-16
35' EXTENDER CABLE	PART NUMBER: RRC-35
70' EXTENDER CABLE	PART NUMBER: RRC-70

DASH CAMERAS

Cobra®



FULL HD DASH CAM
PART NUMBER: **SC100**

FEATURES: Full HD 1080 clear video • Wide 140° viewing angle • Enhanced night vision • Secures your cab and protects you from fraudulent claims • Continuous

loop recording • Extreme temperature protection • Dual-band Wi-Fi for video management • Low profile discrete design • Quick release magnetic mount • **Drive Smarter** compatible, for live alerts and Cloud video management • GPS Built-in

Cobra®



CONFIGURABLE, QHD RESOLUTION DASH CAM
PART NUMBER: **SC200**

CONFIGURABLE, **DUAL-CHANNEL**, QHD RESOLUTION DASH CAM*
PART NUMBER: **SC200D**

FEATURES: QHD 1600 crystal clear video • 1600p resolution - exceeds 2K and QHD resolution • Wide 140°

viewing angle • Enhanced night vision • Secures your cab and protects you from fraudulent claims • Continuous loop recording • Extreme temperature protection • Dual-band Wi-Fi for video management • Integrated Voice Command for easy hands-free camera control • 3-inch display • FlexView - Modular design allows easy addition of cabin and rear cam extensions • **Drive Smarter** compatible, for live alerts and Cloud Video management • GPS Built-in • Cabin view module - IR enabled available and sold separately *Rear view module included with SC200D

Cobra®



DUAL CHANNEL, FULL HD DASH CAM
PART NUMBER: **SC201**

FEATURES: Full HD 1080 clear video • Monitor inside and outside of vehicle • Wide 140° viewing angle •

Enhanced night vision • Secures your cab and protects you from fraudulent claims • Continuous loop recording • Extreme temperature protection • Dual-band Wi-Fi for video management • Discrete styling with 2-inch display • Integrated IR LEDs provide outstanding night-time clarity in the cab • **Drive Smarter** compatible, for live alerts and Cloud video management • GPS Built-in

Cobra®



CONFIGURABLE, 4K RESOLUTION, ALEXA BUILT-IN DASH CAM
PART NUMBER: **SC400**

CONFIGURABLE, **DUAL CHANNEL**, 4K RESOLUTION, ALEXA BUILT-IN DASH CAM*
PART NUMBER: **SC400D**

FEATURES: Crystal clear 4K video • Ultra-crisp 4K for the ultimate in clarity and accountability • Wide 150°

viewing angle • Enhanced night vision • Secures your cab and protects you from fraudulent claims • Continuous loop recording • Extreme temperature protection • Dual-band Wi-Fi for video management • Voice Commands including Alexa • 3-inch touch screen OLED display • FlexView - Modular design allows easy addition of in-cab or rear cam for comprehensive view • **Drive Smarter** compatible, for live alerts and Cloud video management • GPS Built-in • Cabin view module - IR enabled available and sold separately *Rear view module included with SC400D



RAND McNALLY

DASH CAMERA 500

PART NUMBER: **DASHCAM500**

FEATURES: The DashCam 500 delivers high-quality video to the driver in real time, and records the content to an integrated 16GB SD card. The camera mounts directly to the windshield with a clip-in suction cup mount, and records in 1080p at 30 frames per second on a continuous loop. Incident footage is saved upon impact, even when parked, so drivers and fleet managers can replay the content any time they need to. The camera can be detached from the mount to take additional snapshots, providing not only video recordings but still frame photos too. Videos and photos are time stamped, and geo-tagged so there is documentation of where and when the incident

took place. New to the lineup of Rand McNally dash cameras, the DashCam500 companion app, available for both Android and iOS, syncs saved footage from the camera to a mobile device (i.e. phone or tablet). The app can be used to view, sort, and organize video and photo content into albums. Images or recordings can be posted directly to social media from the smart device, or shared via text message or email. The camera mount is equipped with built-in GPS to provide location information, which is made available to view through MapShots™ in the companion app. The camera has a flashback button to manually capture and save footage in real time, as well as one to three minutes prior to the start of a recording. Videos made with the flashback button are automatically saved to the camera, and will sync to the app when connected to Wi-Fi

EVENT DATA RECORDERS

BRIGADE®



MOBILE DIGITAL RECORDER

4 CHANNEL STANDARD SD CARD

PART NUMBER: **MDR-504-1-G2-CMR**

FEATURES: • 9-32Vdc • 4 camera inputs - supports AHD and High Definition cameras • Audio (cameras must have microphones) • Robust aluminum housing • Anti-vibration mounting allows for installation at any angle • Built-in GPS

- Internal G-sensor and built-in buzzer • Recordings saved to hard disk (protected by non-visible digital watermark) and in-built Mirror recording onto SD card • Fast, easily downloadable recordings and data • Lockable and interchangeable Hard Drive Unit • Recording modes: normal, alarm and timer (all watermarked) • Configurable alarm trigger settings (speed, G-force, motion detection, video loss, voltage) • Record images prior to alarm activation and after vehicle switched off • MDR-Dashboard (full player) and MDRPlayer (portable) with Google and MS Bing maps (English only) • Search by date, time or triggered events • Multi-level password protected access • Hard drive unit directly pluggable to PC via USB port • 8 x trigger Inputs, 2x trigger outputs and 1x12V power output • Built-in HDD heater • MDR Control using USB Mouse or optional IR remote control • USB 3.0 connection • TV System: PAL/NTSC/AHD • Compatible with Brigade's vehicle CCTV camera monitor systems, IP cameras and Backeye@360 systems Image and Audio Quality • Dimensions: (WxHxD) 190 x 75 x 222 mm / 7.5 x 3 x 8.7 inches • 3-year Warranty

IMAGE AND AUDIO QUALITY: High Quality H.264 Image Compression • ADPCM - Audio Compression • Choice of 8 Low to High Resolution Settings • Record at between 1 and 25 frames per second, per channel

POWER: Max Power Consumption: 60 Watts • Current: 5 Amps

DURABILITY & STANDARDS: Mechanical Vibration: 1G • Mechanical Shock: 51G • Operating Temperature: -40 to +70°C / -40 to +158°F • E-Marked: UNECE R10 Compliant • CE Marked • FCC Approved • IC Approved • RoHS2 Compliant



BRIGADE®

MOBILE DIGITAL RECORDER

8 CHANNEL STANDARD SD CARD

PART NUMBER: **MDR-508-2-G2-SSD**

FEATURES: 9-32Vdc • 8 Camera Inputs - Supports ADH High Definition Cameras • 8 Trigger / Alarm Inputs • Lockable and Interchangeable Hard Drive Unit • Fast, Easily Downloadable recordings and data • Audio (cameras must have microphones) • Robust aluminum housing • Anti-vibration mounting allows for installation at any angle • Built-in GPS • Internal G-sensor and built-in buzzer • Recordings saved to hard disk (protected by non-visible digital watermark) and in-built Mirror recording onto 64Gb SD card • Recording modes: normal, alarm and timer (all watermarked) • Configurable alarm trigger settings (speed, G-force, motion detection, video loss, voltage) • Record images prior to alarm activation and after vehicle switched off • MDR-Dashboard (full player) and MDRPlayer (portable) with Google and MS Bing maps (English only) • Search by date, time or triggered events • Multi-level password protected access • Hard drive unit directly pluggable to PC via USB port • 8 x trigger Inputs, 2x trigger outputs and 1x12V power output • Built-in HDD heater • MDR Control using USB Mouse or optional IR remote control • USB 3.0 connection • TV System: PAL/NTSC/AHD • Compatible with Brigade's vehicle CCTV camera monitor systems, IP cameras and Backeye@360 systems Image and Audio Quality • Dimensions: (WxHxD) 190 x 75 x 222 mm / 7.5 x 3 x 8.7 inches • 3-year Warranty

IMAGE AND AUDIO QUALITY: High Quality H.264 Image Compression • ADPCM - Audio Compression • Choice of 8 Low to High Resolution Settings • Record at between 1 and 25 frames per second, per channel

POWER: Max Power Consumption: 80 Watts • Current: 6.6 Amps

DURABILITY & STANDARDS: Mechanical Vibration: 1G • Mechanical Shock: 51G • Operating Temperature: -40 to +70°C / -40 to +158°F • E-Marked: UNECE R10 Compliant • CE Marked • FCC Approved • IC Approved • RoHS2 Compliant



BRIGADE®

MOBILE DIGITAL RECORDER

SPLITTER CABLE

PART NUMBER: **AC-305**

FEATURES: Splitter Cable Connects one Brigade BN360 camera to a Brigade MDR and ECU



BRIGADE®

MOBILE DIGITAL RECORDER

SELECT CABLE

PART NUMBER: **AC-306**

FEATURES: Cable Connects one Brigade Select camera to a Brigade MDR and Monitor

QUICK TIP

ALSO AVAILABLE FROM BRIGADE: 4G ONLY MDR MODELS, WIFI ONLY MDR MODELS AND 4G WITH WIFI MDR MODELS. PLEASE CONTACT YOUR PANA-PACIFIC SALES REPRESENTATIVE FOR MORE INFORMATION.

COLLISION AVOIDANCE



lytx

**LYTX SF200 EVENT RECORDER
VIDEO-BASED SAFETY SYSTEM***
PART NUMBER: **PP807192** - U.S. Only
PART NUMBER: **PP807193** - Canada Only
PRODUCT OVERVIEW: A comprehensive end-to-end approach to Driver Risk Management.

Lytx's state-of-the-art DriveCam® camera goes beyond traditional dash cams by pairing machine vision with artificial intelligence (MV+AI). The rugged, reliable hardware does it all in a single, integrated device that simplifies installation and eliminates connection issues. Combine Lytx's services to build a comprehensive solution that meets your needs: **DRIVER SAFETY SOLUTIONS** - Proactively manage your fleet risk with tools to help you change behavior, prevent collisions, and improve your bottom line. **FLEET TRACKING** - Get real-time access to fleet status to help you respond faster, reduce callbacks, and optimize productivity. **DOT COMPLIANCE SERVICES** - Meet the mandates with devices and services that streamline and simplify compliance management.

PRODUCT FEATURES: The SF200 camera can be configured to offer:

INTEGRATED MV+AI - One configurable road view trigger, 'rolling stop'

CONTINUAL VIDEO - Records up to 100 hours of reliable, continual video

BUILT-IN DRIVER ID SOLUTION - Quickly identify which drivers are using your vehicles at different times without installing additional equipment

WIDE-ANGLE DUAL LENS - Wide-angle, dual lens shares the big picture — on the road and inside your vehicle

LOW-LIGHT VISIBILITY - An 8-lumen infrared light provides clear visibility, even at night

SUPPORT FOR SIDE AND BACK-UP VIEWS - Connect up to four additional cameras using the Lytx Hub™ Adapter and additional SF-Series or third party auxiliary cameras

INTEGRATED MICROPHONE - Sound recordings from inside and outside the vehicle ensure that you'll have all the details when an incident occurs

ECM CONNECTED - Captures speed, fuel, and vehicle data directly from your vehicle

MANUAL RECORD BUTTONS - Enables your drivers to proactively record video when needed

LIVE STREAMING - See what's happening in and around vehicles in near real time

PRODUCT SPECIFICATIONS: Weight: .74 lb. • Dimensions: 5.0" x 4.2" x 2.2"
• Operating Temp: -40° to 185° F • Microphone: Omnidirectional • Status Lights: 7 LED (wide spectrum) • Night Vision Illumination: 8 high-lumen infrared LED lights • Manual Record Button • 2 year limited warranty • Processor: Dual Core 1.0 GHz; 512 KB cache • Internal Memory: 1 GB • Internal Storage: 16 GB • Memory Format: eMMC • Expandable/External Memory: 128 GB • Motion Sensors: 9-axis (Accelerometer + Gyro + Magnetometer); Built-in G-Force and motion sensor; Built-in GPS • Wide Angle Lens / Field of View: 128° interior; 78° external • Video Recording Resolution: 1280 x 800 • Cellular Connectivity: CDMA or GSM • Wi-Fi via Hotspot: Wi-Fi b/g/n/ac 2.4/5 GHz • Bluetooth capable • Rechargeable battery • 12V or 24V • ECM / ECU Integration: J1939

***CONTACT YOUR PANA-PACIFIC REPRESENTATIVE OR CUSTOMER SERVICE FOR INSTALLATION INFO AND LYTX SERVICE OPTIONS**



lytx

**LYTX SF300 EVENT RECORDER
VIDEO-BASED SAFETY SYSTEM***
PART NUMBER: **PP807195** - U.S. Only
PART NUMBER: **PP807197** - Canada Only
PRODUCT OVERVIEW: A comprehensive end-

to-end approach to Driver Risk Management. Lytx's state-of-the-art DriveCam® camera goes beyond traditional dash cams by pairing machine vision with artificial intelligence (MV+AI) to accurately identify and categorize the moments that matter, allowing you to see risk as it occurs. The SF300, can help you quickly detect and deter distracted driving. The rugged, reliable hardware does it all in a single, integrated device that simplifies installation and eliminates connection issues. Combine Lytx's services to build a comprehensive solution that meets your needs: **DRIVER SAFETY SOLUTIONS** - Proactively manage your fleet risk with tools to help you change behavior, prevent collisions, and improve your bottom line. (Lytx offers enhanced driver privacy options, so you can configure the SF300's MV+AI to detect risky behavior without needing to record video of the driver. For fleets with special concerns around driver privacy, this device can continue to deliver real-time alerts to enable drivers to self-correct, and also provide manager reports to drive accountability.) **FLEET TRACKING** - Get real-time access to fleet status to help you respond faster, reduce callbacks, and optimize productivity. **DOT COMPLIANCE SERVICES** - Meet the mandates with devices and services that streamline and simplify compliance management.

The SF300 camera can be configured to offer:

INTEGRATED MV+AI - Advanced machine vision and artificial intelligence capture and accurately categorize risky driving behaviors

REAL-TIME, IN-CAB ALERTS - Light and audio alerts notify drivers of their risky behaviors, helping them stay focused on the road

CONTINUAL VIDEO - Records up to 100 hours of reliable, continual video

BUILT-IN DRIVER ID SOLUTION - Quickly identify which drivers are using your vehicles at different times without installing additional equipment

WIDE-ANGLE DUAL LENS - Our wide-angle, dual lens shares the big picture — on the road and inside your vehicle

LOW-LIGHT VISIBILITY - An 8-lumen infrared light provides clear visibility, even at night

SUPPORT FOR SIDE AND BACK-UP VIEWS - Connect up to four additional cameras using the Lytx Hub™ Adapter and additional SF-Series or third party auxiliary cameras

INTEGRATED MICROPHONE - Sound recordings from inside and outside the vehicle ensure that you'll have all the details when an incident occurs

ECM CONNECTED - Captures speed, fuel, and vehicle data directly from your vehicle

MANUAL RECORD BUTTONS - Enables your drivers to proactively record video when needed

RISK DETECTION WITHOUT RECORDING - Manage distracted driving and other unwanted behaviors while respecting driver privacy

LIVE STREAMING - See what's happening in and around vehicles in near real time

PRODUCT SPECIFICATIONS: Weight: .74 lb. • Dimensions: 5.0" x 4.2" x 2.2"
• Operating Temp: -40° to 185° F • Microphone: Omnidirectional • Status Lights: 7 LED (wide spectrum) • Night Vision Illumination: 8 high-lumen infrared LED lights • Manual Record Button • 2 year limited warranty • Processor: Dual Core 1.0 GHz; 512 KB cache • Internal Memory: 1 GB • Internal Storage: 16 GB • Memory Format: eMMC • Expandable/External Memory: 128 GB • Motion Sensors: 9-axis (Accelerometer + Gyro + Magnetometer); Built-in G-Force and motion sensor; Built-in GPS • Wide Angle Lens / Field of View: 128° interior; 78° external • Video Recording Resolution: 1280 x 800 • Cellular Connectivity: CDMA or GSM • Wi-Fi via Hotspot: Wi-Fi b/g/n/ac 2.4/5 GHz • Bluetooth capable • Rechargeable battery • 12V or 24V • ECM / ECU Integration: J1939



CRITICAL EVENT VIDEO (CEV) RECORDER



DRIVER AND DASH CAMERA
PART NUMBER: **MK10-JE148-100**

DASH ONLY CAMERA
PART NUMBER: **MK10-JE148-200**

DRIVER ONLY CAMERA
PART NUMBER: **MK10-JE148-300**

FEATURES: Fully integrated video solution that leverages customers' existing Omnitrac communication plans. The solution features a forward facing camera that is continuously recording, with an optional inward-facing camera that automatically turns off under specified conditions to ensure drivers' privacy.

Customers can purchase the dual-facing camera solution with the option to activate both cameras initially, or simply use the dash camera and activate the driver camera at a later point in time. Video content is available within minutes of the triggered event or manual request to be viewed in the cloud hosted portal where managers are already accessing all other vehicle and driver data reported by Omnitrac. DVR functionality enables managers to request video for a specific date and time, with prequel and sequel features to add clips before and after any existing clip to construct a more detailed and complete timeline of events. The system offers a high-degree of customer configurability: what types of events to trigger video recordings, how much video to include with each event, whether or not to include audio with the recordings or leave it off entirely, how long data is archived, and which portal users are granted access to certain content.



QUICK TIP

OMNITRACS CRITICAL EVENT VIDEO RECORDER SYSTEMS DO NOT HAVE CELLULAR CONNECTIVITY. THE SYSTEMS PAIR VIA BLUETOOTH TO VARIOUS INTEGRATING OMNITRACS FLEET MANAGEMENT SYSTEMS: IVG, MCP110, MCP200 AND XRS.

ALL VIDEO CONTENT IS SENT WIRELESSLY TO THE OMNITRACS SERVICES PORTAL FOR VIEWING BY FLEET ADMINISTRATORS.



TRIMBLE 4 CHANNEL DVR AND FORWARD FACING CAMERA KIT
PART NUMBER: **M-010-0761-KIT**
PRODUCT OVERVIEW: Trimble's Video Intelligence 4 Channel solution was tailor-made for the trucking industry, with an AI-powered, digital video recording suite and 1080P high-resolution video.

This solution features:

- **4 Channel DVR:** Includes forward facing camera and the option to add up to 3 additional cameras enabling video to be captured from all angles giving a 360 degree view around the truck
- **Advance Driver Assistance System (ADAS):** 1080P High-definition forward facing in-cab camera with Artificial Intelligence (AI) to detect unintentional lane departures, forward collision and following distance
- **Dynamic Driver Defense (DCube):** In-cab display to alert drivers visually and audibly of potential incidents in real time to proactively prevent accidents • Diagonal size: 1.4 inches • Resolution: 128 x 128 pixels
- **GPS Location Tracking**

ADAS CAMERA: Records 15 High-definition frames per second, for clear viewing • Driver Assist compatible, in-cab video will show on a Trimble display to



FRONT



BACK

ADAS



DCUBE



help eliminate blind spots • Customer controlled settings for event-triggered video footage • Real-time system health monitoring and notifications

HIGH-DEFINITION DIGITAL VIDEO RECORDER (DVR): 1080P high-definition • Two SD card slots to support up to 512 GB or storage • 4G LTE Cellular • Immediately retrieve videos on-demand • Captures up to 10 seconds of video in the event of a power loss



TRIMBLE CABIN INTELLIGENT MONITOR (CIM)
PART NUMBER: **M-010-0769**

PRODUCT OVERVIEW: This cabin facing sensor with integrated camera monitors for behavior, such as driver



distraction, fatigue, seat belt usage and cell phone usage
CABIN INTELLIGENT MONITOR CAMERA: 720P/1080P high-definition • Waterproof and dustproof design • Infrared distance of 2 meters



TRIMBLE POD CAMERA KIT FOR LEFT OR RIGHT SIDE MONITORING
PART NUMBER: **M-010-0724**
PRODUCT OVERVIEW: This kit



provides flexibility when installing on different vehicles. Pod camera can be used as a side camera on any vehicle type as long as it is mounted to a flat surface that is parallel to the vehicle and has a clear view down the side. The pod camera is universal and is not specific to the driver-side or passenger-side. Pod camera provides visibility of blind spots to the driver when used in conjunction with Trimble Driver Assist (L-016-0612 or M-010-0768) • Kit includes: pod camera, mounting kit, mounting wedge and high temp extension cable
POD CAMERA: IP69 Certified (Protected from water and dust ingress, extreme temperatures, etc.) • Operating Temperature: -40° C to +105° C

COLLISION AVOIDANCE



Trimble

TRIMBLE TRACTOR REAR FACING 'BULLET STYLE' CAMERA KIT
PART NUMBER: **M-010-0755**

PRODUCT OVERVIEW: This camera is positioned on the back of the tractor, enabling a full field of view behind the truck, helping to coordinate safer and easier trailer pick ups and drops. When the rear tractor camera is used in conjunction with Trimble Driver Assist, the camera view is displayed on an in-cab monitor.

TRACTOR REAR FACING CAMERA: IP69 Certified (Protected from water and dust ingress, extreme temperatures, etc.) • Working temp range -20° C to +70° C



Trimble

TRIMBLE DRIVER ASSIST KIT
PART NUMBER: **M-010-0612**

PRODUCT OVERVIEW: This kit is used to help improve road safety by bringing drivers the view from outside of the truck to inside the cab, helping to eliminate blind spots. Driver Assist streams live video in-cab when the right or left blinker comes on. When the vehicle is in reverse, the back up camera will display on a Trimble or PeopleNet in-cab monitor.



Trimble

TRIMBLE TRAILER REAR-FACING CAMERA KIT WITH TRANSMITTER
PART NUMBER: **M-010-0754**

PRODUCT OVERVIEW: This kit includes a single rear-facing bullet style camera which gets installed on the trailer, enabling a full field of view behind the trailer. The trailer kit is used in conjunction with

a cab/tractor receiver kit* to enable the back-up camera to function wirelessly. The trailer transmitter included in the rear trailer camera kit draws power from the trailer ABS lead utilizing a "Y" connector included in the kit. The transmitter also uses that same power lead to pulse its serial number via PLC, which the cab receiver will use to pair the devices. The cab/tractor receiver draws power from the DVR camera connection, but also connects to power/ground directly for PLC signal. The in-cab receiver hears the pulse and pairs the trailer transmitter utilizing a Wi-Fi signal. The trailer camera is then able to feed the rearview image to the trailer transmitter, which broadcasts it to the cab receiver using Wi-Fi. The cab receiver then passes the image to the DVR, where the feed will be recorded and available for accident or other onboard event recreation. If Driver Assist is in usage (requiring a Trimble display** and appropriate cables*** or the Trimble Driver Assist Monitor Kit****), then the DVR is also connected to the reverse line. If Driver Assist is deployed, the in-cab display will automatically show the rear camera's view to act as a back-up monitor when the vehicle is put into reverse. *Cab Receiver Kit Part Number: M-010-0598; **Trimble Duo Display (TDD) Part Number: M-010-0759 or Trimble Duo Part Numbers: M-010-0648-KIT, M-010-0683-KIT, M-010-0650-KIT, M-010-0699-KIT, Trimble PD.5 Display Part Number: M-010-0634; ****Driver Assist Install Kit Part Number: L-016-0612, ****Trimble Driver Assist Monitor Kit Part Number: M-010-0768



Trimble

TRIMBLE DRIVER ASSIST MONITOR KIT
PART NUMBER: **M-010-0768**

PRODUCT OVERVIEW: This kit is used to help improve road safety by bringing drivers the view from outside of the truck to inside the cab, helping to eliminate blind spots. Driver Assist streams live video in-cab when the right or left turn signal comes on. When the vehicle is in reverse, the back-up camera will display on the included monitor. The Driver Assist Monitor Kit includes a 4.3" monitor, mounting bracket and cable.

OBSTACLE DETECTION

BRIGADE®



BACKSCAN® ULTRASONIC DETECTION SYSTEM - REAR REVERSING SENSOR SYSTEM WITH TWO YEAR WARRANTY
PART NUMBER: **BS-4000W**

Reducing blind spots and improving driver visibility are important issues for

operators of road-going vehicles. Over the past few years, safety devices such as additional mirrors or camera systems that give wider viewing angles have become commonplace and even mandatory under blind spot legislation. However, despite an increase in visibility, collisions with other vehicles, fixed objects, cyclists, workers and even pedestrians, remain high. Brigade's ultrasonic proximity sensors minimize both vehicle damage and collisions with pedestrians, cyclists or objects. Perfect for road-going commercial vehicles operating in confined spaces or maneuvering at low speeds. The detection system alerts the driver of obstacles close to the vehicle, whether moving or stationary. An audible and/or visual in-cab warning informs of distance whilst an optional external speaking alarm can be added to alert cyclists and pedestrians that the vehicle is turning.

SYSTEM INCLUDES: Four Sensors, Visual and Audible display, four 0° Flush Mount Fixings, four 11° Flush Mount Fixings, four Underslung Fixings, Waterproof Control Box, 15m (49') Display Cable, and four 2.5m (8.2') Sensor Cables
PRODUCT FEATURES: 12-24Vdc • 4 Sensor System fitted to rear of vehicle as an invaluable aid to safe reversing • 2.5m (8.2') Detection Range - Outer Sensors 2.5m / 0.6m (8.2' / 2') Selectable via Dip Switch • Graduated Visual and Audible Distance Warning Display • Underslung and Flush-Mount Fixings included • 50cm (1.2') Compensation Range for Sensors Fitted Inboard of Vehicle Rear (Selectable via Dip Switch) • System Activated by Reverse Gear • Obstacles Detected in Under 200 milliseconds • Environmental Learning Mode Prevents False Alarms from Tow-hooks and other Ancillary Equipment that Intrudes in the first 100cm (3.3') of the Detection Zone • One Trigger Output • Power Consumption: 2.4 Watts • Current: 200mA

DURABILITY & STANDARDS: Mechanical Vibration: 5G • Mechanical Shock: 10G • Operating Temp: -30 to +80°C / -22 to +176°F • Waterproof Sensors to IP68 • Waterproof control box to IP69K • CE Marked • EMC Approved: E • FCC Approved

NOTE: Also Available from Brigade's line of Ultrasonic Obstacle detection products: Sidescan®, Cornerscan™, Frontscan® and Stepscan™.



Trimble

TRIMBLE CAB RECEIVER KIT FOR WIRELESS TRAILER REAR-FACING CAMERA KIT
PART NUMBER: **M-010-0598**

PRODUCT OVERVIEW: Kit includes a tractor receiver w/ antenna, and a 5-meter extension cable to install in the vehicle cab. This kit is used in conjunction with the rear trailer camera kit* to

implement a wireless back-up camera system. The trailer transmitter included in the rear trailer camera kit draws power from the trailer ABS lead utilizing a "Y" connector included in the kit. The transmitter also uses that same power lead to pulse its serial number via PLC, which the cab receiver will use to pair the devices. The cab/tractor receiver draws power from the DVR camera connection, but also connects to power/ground directly for PLC signal. The in-cab receiver hears the pulse and pairs the trailer transmitter utilizing a Wi-Fi signal. The trailer camera is then able to feed the rearview image to the trailer transmitter, which broadcasts it to the cab receiver using Wi-Fi. The cab receiver then passes the image to the DVR, where the feed will be recorded and available for accident or other onboard event recreation. If Driver Assist is in usage requiring a Trimble display** and appropriate cables*** or the Trimble Driver Assist Monitor Kit****), then the DVR is also connected to the reverse line. If Driver Assist is deployed, the in-cab display will automatically show the rear camera's view to act as a back-up monitor when the vehicle is put into reverse. *Rear Trailer Camera Kit: M-010-00754; ** Trimble Duo Display (TDD) Part Number: M-010-0759 or Trimble Duo Part Numbers: M-010-0648-KIT, M-010-0683-KIT, M-010-0650-KIT, M-010-0699-KIT, Trimble PD.5 Display Part Number: M-010-0634; ***Driver Assist Install Kit Part Number: L-016-0612, ****Trimble Driver Assist Monitor Kit Part Number: M-010-0768



BRIGADE®

BACKSENSE® PROGRAMMABLE RADAR OBSTACLE DETECTION SYSTEM - DETECTION RANGE 30M / 98' THREE YEAR WARRANTY PART NUMBER: BS-8000

Heavy-duty radar sensor system designed to detect people and objects in blind spots, significantly reducing accidents. Backsense® obstacle detection sensors work effectively in harsh environments and in poor visibility including darkness, smoke and fog. Backsense® radar uses Frequency Modulated Continuous Wave (FMCW) technology, transmitting a continuously varying radar frequency signal with unique time stamps to each instance of the wave. The time of the returning wave is referenced to the stamp without the radar needing to pause transmitting. **SYSTEM INCLUDES:** Configurable radar sensor; audible and visual display with USB socket; mounting bracket; 9m/29.5' extension cable; mini USB cable and software CD

PRODUCT FEATURES: 9-32Vdc • Sensor size (WxHxD) 8.5" x 5" x 1.9" • Display size with bracket (WxHxD) 4" x 2.8" x 2.7" • Detection length: up to 30m / 98' (minimum programmable distance 0 - 3m / 0 - 9.8') • Detection width 2 to 10m / 6.5 to 33' • Rugged design • IP69K sensor • Frequency Modulated Continuous Wave (FMCW) Radar technology • Effectively detects stationary, moving and multiple objects • One activation input • One trigger output • Programmable: Detection area Blind zones - system ignores fixed objects Trigger activation Buzzer • Five stage audible and visual distance warning display • Resistant to water, moisture, dust, vibration, heat, cold, mud, and glare • Power consumption: 8 Watts • Current: 0.8 Amps

DURABILITY & STANDARDS: Mechanical Vibration: 8.3G • Mechanical Shock: 100G • Operating Temperature: -40 to +85°C / -40 to +185°F • CE Marked • EMC Approved: E • BS EN 13309: 2010 • ISO 13766: 2006

BRIGADE®

bbs-tek® PATENTED WHITE SOUND® REVERSING AND WARNING ALARMS

INSTANTLY LOCATABLE SOUND - bbs-tek® multi-frequency reversing and warning alarms use a wide range of White Sound® frequencies. This enables the listener to instantly locate where and what direction the sound is coming from. The broadband sound also gives workers wearing hearing protection devices (HPDs) and people with hearing difficulties a better chance of hearing the alarm.

HEARD ONLY WHERE IT MATTERS - bbs-tek® White Sound® reverse alarms create a "ssh-ssh" sound which is gentle on the ear and dissipates quickly, meaning the alarms do not cause noise-nuisance and thus eliminate noise complaints. bbs-tek® White Sound® reversing alarms are endorsed by the Noise Abatement Society and have been awarded the Quiet Mark for their environmental benefits. And bbs-tek® alarms are approved for night-time deliveries.



BRIGADE®

WHITE SOUND BACK-UP ALARM HEAVY-DUTY - 107 DECIBELS WITH LIFETIME WARRANTY PART NUMBER: BBS-107

(WxHxD) 6.8" x 3.1" x 3.7" • Sound confined to Danger Area • Eliminates Noise Nuisance • Mounting hole centers: 153mm / 6" • Current: Max 1 Amp **DURABILITY & STANDARDS:** Mechanical Vibration: 10G • Operating Temp: -40 to +85°C / -40 to +185°F • CE Marked • EMC Approved: E • SAE J994



BRIGADE®

WHITE SOUND BACK-UP ALARM MEDIUM-DUTY - 97 DECIBELS WITH LIFETIME WARRANTY PART NUMBER: BBS-97

Broadband Sound • Instantly Locatable • Size (WxHxD) 4.1" x 2.5" x 1.5" • Sound confined to Danger Area • Eliminates Noise Nuisance • Mounting hole centers: 76mm / 3" • Current: Max 0.5 Amp **DURABILITY & STANDARDS:** Mechanical Vibration: 10G • Operating Temp: -40 to +85°C / -40 to +185°F • CE Marked • EMC Approved: E • SAE J994



BRIGADE®

WHITE SOUND SMART BACK-UP ALARM HEAVY-DUTY SELF ADJUSTING — 87 TO 107 DECIBELS WITH LIFETIME WARRANTY PART NUMBER: SA-BBS-107

FEATURES: 12-24Vdc • IP68 • Alarm continually adjusts to 5-10dB above ambient • Multi-frequency Broadband Sound • Instantly Locatable • Size (WxHxD) 6.7" x 3.1" x 3.7" • Sound confined to Danger Area • Eliminates Noise Nuisance • Mounting hole centers: 153mm / 6" • Current: Max 1 Amp **DURABILITY & STANDARDS:** Mechanical Vibration: 10G • Operating Temp: -40 to +85°C / -40 to +185°F • CE Marked • EMC Approved: E • SAE J994



BRIGADE®

WHITE SOUND SMART BACK-UP ALARM MEDIUM-DUTY SELF-ADJUSTING — 77 TO 97 DECIBELS WITH LIFETIME WARRANTY PART NUMBER: SA-BBS-97

FEATURES: 12-24Vdc • IP68 • Alarm continually adjusts to 5-10dB above ambient • Multi-frequency Broadband Sound • Instantly Locatable • Size (WxHxD) 5" x 3" x 2.5" • Sound confined to Danger Area • Eliminates Noise Nuisance • Mounting hole centers: 98 - 108mm / 3.8 - 4.2" • Current: Max 1 Amp **DURABILITY & STANDARDS:** Mechanical Vibration: 10G • Operating Temp: -40 to +85°C / -40 to +185°F • CE Marked • EMC Approved: E • SAE J994 • NAS/PIEK approved for night-time delivery



MAGNADYNE

12V DC, 97DB EXTERNAL REVERSE MOTION WARNING ALARM PART NUMBER: BU1000C-97

FEATURES: Self Contained • Waterproof Design • Rugged encasement to withstand harsh environments • Conforms to SAE J994 • Output Level - 97 dB • 12 VDC Operating Voltage • Reverse Polarity Protection • Distinctive Beep Rate of One Beep Per Second • Activates when back-up lights are on • Dimensions: 4 1/2" W x 1-1/4" D x 4-1/2" H • Stainless Steel Terminals



MAGNADYNE

12/24V, 112DB EXTERNAL REVERSE MOTION WARNING ALARM PART NUMBER: BU-2000A-24V

FEATURES: Waterproof Design • Rugged encasement to withstand harsh environments • Conforms to SAE J994 • Output Level - 112 dB • 12-24 VDC Operating Voltage • Reverse Polarity Protection • Distinctive Beep Rate of One Beep Per Second • Activates when back-up lights are on • Dimensions: 4" W x 1-5/8" D x 2-11/16" H • Stainless Steel Terminals



MAGNADYNE

12V, 97DB EXTERNAL REVERSE MOTION WARNING ALARM PART NUMBER: BU2000C

FEATURES: Waterproof Design • Rugged encasement to withstand harsh environments • Conforms to SAE J994 • Output Level - 97 dB • 12 VDC Operating Voltage • Reverse Polarity Protection • Distinctive Beep Rate of One Beep Per Second • Activates when back-up lights are on • Dimensions: 4" W x 1-5/8" D x 2-11/16" H • Stainless Steel Terminals

COLLISION AVOIDANCE



MAGNADYNE

12/24V DC, 107DB EXTERNAL REVERSE MOTION WARNING ALARM
PART NUMBER: **BU2000CW-107**

FEATURES: Self Contained • Rugged encasement to withstand harsh environments • Waterproof Design • Conforms to SAE J994 • Output Level - 107 dB • 12-24 VDC Operating Voltage • Reverse Polarity Protection • Distinctive Beep Rate of One Beep Per Second • Activates when back-up lights are on • Dimensions: 4" W x 1-5/8" D x 2-11/16" H • Wire Leads



MAGNADYNE

12/24V, 112DB EXTERNAL REVERSE MOTION WARNING ALARM
PART NUMBER: **BU-2000CW112**

FEATURES: Self Contained • Rugged encasement to withstand harsh environments • Waterproof Design • Conforms to SAE J994 • Output Level - 112dB • 12-24 VDC Operating Voltage • Reverse Polarity Protection • Distinctive Beep Rate of One Beep Per Second • Activates when back-up lights are on • Dimensions: 4" W x 1-5/8" D x 2-11/16" H • Wire Leads



MAGNADYNE

12V, 97DB EXTERNAL REVERSE MOTION WARNING ALARM
PART NUMBER: **BU-2000CW97**

FEATURES: Self Contained • Rugged encasement to withstand harsh environments • Waterproof Design • Conforms to SAE J994 • Output Level - 97dB • 12 VDC Operating Voltage • Reverse Polarity Protection • Distinctive Beep Rate of One Beep Per Second • Activates when back-up lights are on • Dimensions: 4" W x 1-5/8" D x 2-11/16" H • 6" Wire Leads with 2-pin connector



MAGNADYNE

12V DC, 97DB EXTERNAL REVERSE MOTION WARNING ALARM
PART NUMBER: **BU2200C-97**

FEATURES: Self Contained • Rugged encasement to withstand harsh environments • Waterproof Design • Conforms to SAE J994 • Output Level - 97dB • 12 VDC Operating Voltage • Reverse Polarity Protection • Distinctive Beep Rate of One Beep Per Second • Activates when back-up lights are on • Dimensions: 4" W x 1-5/8" D x 2-11/16" H • Stainless Steel Terminal with Power Wire Lead



MAGNADYNE

12/24V, 97 - 102DB EXTERNAL REVERSE MOTION WARNING ALARM
PART NUMBER: **BU3000C-102A**

FEATURES: Waterproof Design • Rugged encasement to withstand harsh environments • Conforms to SAE J994 • Output Level - *97/102 dB • 12-24 VDC Operating Voltage • Reverse Polarity Protection • Beep Rate of One Beep Per Second • Activates when back-up lights are on • Dimensions: 4" W x 1-5/8" D x 2-11/16" H • Wire Leads *This alarm monitors ambient noise level and will automatically increase the alarm output level when the ambience is noisy. The unit will return to the lower alarm output level when the ambience has quieted.



MAGNADYNE

12/24V DC, 87-112DB EXTERNAL REVERSE MOTION WARNING ALARM
PART NUMBER: **BU3100C-112A**

FEATURES: Self Contained • Rugged encasement to withstand harsh environments • Waterproof Design • Conforms to SAE J994 • Output Level - *87/112 dB • 12-24 VDC Operating Voltage • Reverse Polarity Protection • Distinctive Beep Rate of One Beep Per Second • Activates when back-up lights are on • Dimensions: 5 3/4" W x 3-1/16" D x 3-1/16" H • Wire Leads *This alarm monitors ambient noise level and will automatically increase the alarm output level when the ambience is noisy. The unit will return to the lower alarm output level when the ambience has quieted.



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Official Distributor

630 COLLISION AVOIDANCE SYSTEM
A SOLUTION FOR ACCIDENT PREVENTION AND MITIGATION

PART NUMBER: **PP807093**

FEATURES: The Mobileye 630 is an advanced driver assistance system (ADAS) that helps avoid collisions by providing drivers with a combination of visual and audible warnings. The Mobileye 630 system uses an artificial vision sensor to constantly monitor the road for pedestrians, cyclists and other vehicles. The system serves as an extra set of eyes on the road to alert a driver if a collision is imminent. Not only do these warnings help drivers avoid dangerous road situations, they also help drivers to improve their driving behaviors. The Mobileye System meets the guidelines established by NHTSA for Forward Collision and Lane Departure Warnings, setting the standard for collision avoidance systems worldwide.

LED display on the EyeWatch[®] for improved visibility • Pedestrian Detection to alert drivers of pedestrians and cyclists in danger zones; this is a separate alert from the more urgent warning of a potential collision with a pedestrian or cyclist • Alerts the driver as to whether or not the Lane Departure Warning is available (this warning is not available below 35 MPH) • Speed Limit Indicator now flashes when the vehicle is exceeding the posted speed limit • Turn Signal Recognition alerts the driver when the signals have remained on for an extended period of time • Low Visibility Indicator notifies the driver when conditions may limit the system's detection capabilities • One-time installation • No ongoing subscription fees • Integrates with most fleet management systems • Very little driver training required resulting in minimal implementation time and loss of operational hours • Affordable and cost effective – ROI is typically 12 months or less • Reinforces safe driving habits helping to reduce collisions and subsequent insurance premiums, as well as fines for non-compliance • Safer driving habits, such as a reduction in sudden braking, can also contribute to a reduction of up to 15% in fuel consumption • Reducing collisions saves money on yearly repairs or new vehicle purchases
Mobileye 630 systems integrate with Android[®] and iPhone[®] for enhanced display options. Installation of 630 may require an Enhancement Box on some vehicles, vehicles without J1939 and for some IHC applications.

Driver Assistance Applications in One System

- **Forward Collision Warning, including Urban Forward Collision Warning**
Alerts the driver to an imminent rear-end collision with a car, truck, or motorcycle.
- **Lane Departure Warning**
Alerts the driver if the vehicle leaves the lane without the use of a turn signal. System also notifies the driver whether this feature is enabled or not active.
- **Pedestrian and Cyclist Collision Detection and Warning**
Notifies the driver of a pedestrian or cyclist in the danger zone, and provides a warning of a possible collision with a pedestrian or cyclist.
- **Headway Monitoring and Warning**
Informs the driver of the time, in seconds, to the vehicle in front. System switches from monitoring to warning should that time become unsafe.
- **Speed Limit Indicator**
Indicates the posted speed limit and flashes should the vehicle exceed that limit.
- **Intelligent High Beam Control**
Automatically turns the high beams on/off depending upon the level of light and relative distance from other traffic.
- **Turn Signal Reminder**
Alerts the driver if one or both blinkers remain active for an extended period of time.
- **Low Visibility Indicator**
Notifies the driver during low visibility conditions. The system will continue to work, however, its ability to detect may be limited.



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ME-5 OR ME-6 ENHANCEMENT BOX FOR 5-SERIES / 6-SERIES (630) COLLISION AVOIDANCE SYSTEM
PART NUMBER: **ME5ABOX001**
FEATURES: The Mobileye ME-5 / ME-6

Enhancement Box (E Box) is a new adapter that allows for installation of the Mobileye 5 and 6 systems in any vehicle regardless of J1939 availability. It can also be used to drive two configurable ground outputs • Outputs - typical ground out with 100ma capacity • Alert Outputs can be selected by type, either continuous or patterned • Can be used for a full analog Mobileye 5 or 6 series installation, for a mixed CAN/ Analog Mobileye 5 or 6 series installation or just as a source for 2 additional analog outputs in a full CAN installation • Supports up to 6 analog signals inputs (for non-CAN bus vehicles) and 2 analog outputs for various devices/applications • Enables easier installation on vehicle with a limited variety of signals on the CAN-bus and/or with no CAN-bus • Two Enhancement Box outputs can be individually configured for up to 3 alerts each for potential functions such as:

- Muting the radio - Connecting either output to the radio mute wire can mute the radio whenever HMW is below defined threshold. This action makes the driver aware of unsafe distance by muting audio system.
- Deactivate Cruise Control - Connecting either output to the Cruise Control inhibitor switch can deactivate Cruise Control whenever HMW event is issued. This application becomes the first Retrofit Enhanced Cruise Control (ECC) system.
- Driving Haptic Feedback Device - Connecting to external vibrator installed in the driver's seat in order to supply haptic feedback warning. This application provides an extremely innovative and effective alert to the driver. **NOTE:** For application questions regarding truck make/model application(s) contact Technical Service 866.253.7027.

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MOBILEYE EYEWATCH
PART NUMBER: **ASY000130**
FEATURES: Mobileye EYEWATCH 3 display for Mobileye 630 System - (sold individually from complete 630 system)

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MOBILEYE COLLISION AVOIDANCE SYSTEM INSTALLATION CABLE
PART NUMBER: **ICAN000001**
FEATURES: The EyeCAN cable is a one channel

USB interface for CAN bus. It must be used for installation and calibration of Mobileye systems, as well as CAN-bus analysis purposes (sniffing) and Mobileye firmware upgrades. **ALSO AVAILABLE** for installation is a target board for calibration - PART NUMBER: **TACS00003**.

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+12/24V (RED)
GND (BLK)
J1708+ (BLU)
J1708- (WHT)
Brake Switch Output (PURPLE)
Speed Pulse Output (ORANGE)
VSS 5000

MOBILEYE DATALINK ANALOG CONVERTER - SPEED / BRAKE
PART NUMBER: **ITM00Z061**

FEATURES: The DataLink converts speed and brake information from an SAEJ1587/J1708 bus into analog signals to interface with conventional devices. A pulsed speed output is provided for driving analog speedometers, and an additional brake switch output toggles between ground and battery voltage as brakes are applied.



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MOBILEYE® 8 CONNECT™ AI-POWERED, COLLISION AVOIDANCE SYSTEM - TO HELP PREVENT COLLISIONS AND IMPROVE DRIVER PERFORMANCE
PART NUMBER: **PP807220**
FEATURES: **ACT TO PREVENT COLLISIONS -**

94% of road collisions are caused by human error. The best approach to fleet safety is to avoid collisions rather than reviewing them after the fact. Mobileye 8 Connect not only provides this proactive solution, but helps train drivers to avoid dangerous situations in the first place.

FLEET SAFETY WITH REAL-TIME ALERTS: Mobileye's collision avoidance system warns drivers of potential hazards in real time with audio and/or visual warnings, giving them time to prevent or mitigate a collision.

- **FORWARD COLLISION WARNING:** Alerts drivers of an imminent collision with a vehicle or motorcycle ahead, both on highways and in urban areas
- **LANE DEPARTURE WARNING:** Alerts drivers when there is an unintentional deviation from the driving lane
- **PEDESTRIAN AND CYCLIST COLLISION WARNING:** Alerts drivers of an imminent collision with a pedestrian or cyclist
- **HEADWAY MONITORING AND WARNING:** Helps drivers keep a safe following distance from the vehicle ahead and alerts them if the distance becomes unsafe
- **SPEED LIMIT INDICATOR:** Recognizes speed limit signs, and notifies the driver, both of the new speed limit and if they exceed it

HOW DOES IT WORK?

1. VISION-BASED: Just like when we drive, using our vision to scan the road and judge how far we are from obstacles and the potential dangers they may pose - a camera can also scan the way ahead with the advantage of never becoming fatigued or distracted.

2. AI-POWERED: The key element in the Mobileye 8 Connect system is in the ability to mimic how people understand the roadscape. Through the use of artificial intelligence, Mobileye's EyeQ® chip is able to identify potential hazards and alert drivers in real-time.

3. EXPERIENCE YOU CAN TRUST: The Mobileye 8 Connect system's AI is based on two decades of stress testing Mobileye's algorithms against real-life driving situations and over 200 million miles of high-resolution video from automakers' pre-production testing.

Mobileye 8 Connect features the latest generation EyeQ4 chip and includes greater range, 10x improved accuracy and a wider camera angle than its predecessor. Mobileye 8 Connect alerts don't just help drivers avoid collisions, evidence shows these same alerts actually help instill safer driving habits.

NOTE: Mobileye 8 Connect is a connected device, an end-user data agreement is required for over-the-air updates. There is no monthly service charge for the connectivity.

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MOBILEYE® 8 CONNECT™ EYENET ADAPTER KIT
PART NUMBER: **EYENET0001**

FEATURES: The Mobileye 8 system is equipped with EyeNET communication port for Ethernet connection with a computer. Each installer should

have the EyeNet adapter for Ethernet connection between a computer and the Mobileye 8 Connect system. The EyeNET Adapter kit includes: EyeNET adapter box, X2 EyeNET cable and Ethernet LAN cable RJ45 **NOTE:** If laptop/computer is not equipped with LAN port, Ethernet to USB adapter is optional to use (not included with EyeNET Adapter kit).

COLLISION AVOIDANCE

TIRE PRESSURE MONITORING SYSTEMS - EXTERNAL

PressurePro's TPMS+ Platform takes the capabilities of TPMS to new heights by offering: Six Customizable Alerts, Configurable Vehicle Layouts, Adjustable Viewing Modes, Built-in Data Logging, Power Conversion, Advanced Protocol Capabilities and More.



LINK HEAVY-DUTY GATEWAY FOR TRACTORS
PART NUMBER: **LNK-101**

PRODUCT FEATURES: Monitors up to 32 tires each on tractor • Communicates w/ up to 9 Universal Repeaters simultaneously (160 tires total) • Data communication over CAN/J1939, J1708/J1587 or via RS232/FlexIO • All settings, alerts, reference pressures, configurable (Contact PressurePro for details) • User interface not included • Communicates with Universal Repeater over J2497/ABS/PLC network • Power cord and cabled antenna kit required (sold separately)



LINK UNIVERSAL REPEATER FOR TRAILERS
PART NUMBER: **LNK-110**

PRODUCT FEATURES: Monitors up to 32 wheel positions • User interface not included • Communicates to Gateways/Bridges/Truck Monitors over J2497/ABS/PLC network • Power cord and cabled antenna kit required (sold separately)



LINK MOAC2 CABLE
PART NUMBER: **LNK-202PD**

PRODUCT FEATURES: Jacketed, 9-wire, 3-foot, blunt cut power and data cable • Communicates data for J1939 & RS232 applications • Connects the LINK LT (Part No: LNK-100) and Link HD (Part No: LNK-101) to the J1939 CANbus network • Open-collector with power and ground (+J2497 capable)



LINK UR ABS T-BREAKOUT CABLE
PART NUMBER: **LNK-210PD**

PRODUCT FEATURES: Jacketed, 3-wire, 8 foot power/data cord • Deutsch connector on one end/T-Breakout on other for easy link to vehicle network • T-Breakout attaches between the male/shroud of the Weather Pack connector of the standard ABS harness (no splicing necessary)



PRIVATE NETWORK CABLE
PART NUMBER: **LNK-220PD**

PRODUCT FEATURES: Private Network Cable connects PULSE to LINK V2 or LINK LT over CAN/J1939 • Single power/ground pig tail • Allows programming of LINK V2, UR V2 (through LINK), & LINK LT units via PULSE • Allows PULSE to be a display for LINK & UR V2, creating a drop & hook capable PULSE



LINK WIRE WHIP ANTENNA
PART NUMBER: **LNK-800A**

PRODUCT FEATURES: 6" wire whip antenna • Acts as the primary antenna for the LINK Universal Repeater (Part Number: LNK-110) • Works as a replacement for the antenna in the LINK Coax Cable Kit (Part No: LNK-850K)

WHILE SUPPLIES LAST



LINK COAX KIT
PART NUMBER: **LNK-850K**

PRODUCT FEATURES: Use w/ LINK products, primary antenna for LINK LT & HD • Includes: 35' coax cable, TNC connectors, straight wire whip antenna & mounting bracket for securing cable (two 1.25" self-tapping screws)



PULSE TPMS+ MONITOR
PART NUMBER: **PLS-100**

PRODUCT FEATURES: Standard Mode: 1 to 80 wheel positions (16 per vehicle, 5 vehicle max) • Drop & Hook Mode: Communicates w/ up to 10 Link devices at once, up to 160 tires (Link HD required for Link UR communication) • Dims & Weight = 4.5"W x 3.0"H x 0.75"D, 4 ozs., 12-24 VDC • Communicates via CAN/J1939 or RS232, requires data cables (sold separately) • Programming device for Link products, requires CAN cables (sold separately) • Internal data logging. Export to microSD (not included) in XML format • Fully customizable viewing modes & quick glance notices • 6 customizable alerts including a cross axle alarm • Antenna & power cord required (sold separately)



PULSE FX MONITOR
PART NUMBER: **PLS-120**

PRODUCT FEATURES: The first BYOD based TPMS option designed for towable and light duty vehicle applications. FX allows users to leverage PressurePro's sensor technology alongside existing smart devices (i.e. connected phone or tablet). Monitor up to 40 tires simultaneously • Supports drop & hook applications for up to 5 units • LED quick warning alert on FX w/ full info and alerts accessible from the mobile application • Five customizable alerts including the market's first cross axle alarm • Power: 12-36 VDC, with surge protection to 65V • Communicates to smart device via Bluetooth 4.2 • Reception range is 100' on average, with a maximum of 1000' with direct line of sight • Antenna, power cable, and PULSE sensors sold separately • Retail kits are available for ease of ordering - SEE PART NUMBERS PLS-FX2K AND PLS-FX4K



PULSE FIXED END POWER CORD
PART NUMBER: **PLS-200P**

PRODUCT FEATURES: Connects PULSE TPMS+ Monitor to 12/24V power outlet (accessory outlet) • 8' cord



PULSE RS232 POWER CORD
PART NUMBER: **PLS-220PD**

PRODUCT FEATURES: Connects PULSE TPMS+ monitor to 12-volt power outlet (accessory outlet) • 8' cord • Female db9



PULSE BLUNT CUT CAN/POWER CABLE KIT
PART NUMBER: **PLS-240K**

PRODUCT FEATURES: Used for permanently connecting the PULSE monitor to the J1939 network for CANbus communication. Kit includes a 3' data cable with a blunt cut end and a 4-pin connector to attach to the monitor, as well as a PLS-200P power cable.



CABLED ANTENNA (SMA) KIT
PART NUMBER: **PLS-850K**

PRODUCT FEATURES: Use w/ all monitors - SMA end to monitor, TNC end to antenna • Includes: 35' coax cable, straight wire whip antenna and mounting bracket for securing cable (includes two 1.25" self-tapping screws)



PULSE DASH MOUNT
PART NUMBER: **PLS-900M**

PRODUCT FEATURES: Metal plate and screws to directly mount PULSE display to the vehicle's dash

COLLISION AVOIDANCE



PULSE FX 2 WHEEL KIT
PART NUMBER: **PLS-FX2K**

PRODUCT FEATURES: This kit contains all necessary components for a two wheel application conveniently packaged in a PressurePro-branded retail box. Kit includes the following components: PULSE FX Monitor, PULSE fixed end power cord, PULSE dipole antenna, hook & loop mounting pads, and two dynamic standard tire pressure sensors.



PULSE FX 4 WHEEL KIT
PART NUMBER: **PLS-FX4K**

PRODUCT FEATURES: This kit contains all necessary components for a four wheel application conveniently packaged in a PressurePro-branded retail box. Kit includes the following components: PULSE FX Monitor, PULSE fixed end power cord, PULSE dipole antenna, hook & loop mounting pads, and four dynamic standard tire pressure sensors (To monitor ADDITIONAL tires, order more of Part No. SEN-200 (tire pressure sensor - qty. one)



RAM MOUNT FOR PULSE DISPLAY
PART NUMBER: **RAM-B-101U**

PRODUCT FEATURES: Socket arm and two 2.5" diameter round bases that contain the universal AMPSS hole pattern • Mount is designed with a 1" diameter patented rubber ball and socket system that has adjustment points at both ends of the double socket arm; allowing for almost infinite adjustment and perfect viewing angles • Utilize RAM backing plate and locking knob for security as needed • Made in the USA • Lifetime Warranty



LEGACY STANDARD TPMS SENSOR
PART NUMBER: **SEN-100**

PRODUCT FEATURES: Weight: .7 oz (20 grams) • Dims: 1.11" D x 1.01" H • Effective signal range – line of sight – 300 ft. – 433.92 MHz • Sensor Transmit Range = approx. 300 feet (line of sight) • Operating frequency = 433.92 MHz FM • Temp range: -40° C to +150° C (-40° F to + 302° F) • Sensor batteries are internal - non-rechargeable & not replaceable • Sensor pressure range = 8 to 299 psi (55 to 1999 kPa, 1 to 20.3 BAR) • Sensor low voltage shutdown = 2.2 volts • Accuracy = +/- 3% range up to 120 psi, +/- 5% 120 psi and higher **NOTE:** For large bore/industrial valve stem applications, please use part number SEN-120



DYNAMIC STANDARD TPMS SENSOR
PART NUMBER: **SEN-200**

PRODUCT FEATURES: Use on standard valve stems • Weight - .7 oz (20 grams) • Dims: 1.11" D x 1.01" H • Effective signal range – line of sight – 300 ft. – 433.92 MHz • More refined temp reading and alert logic • Sensor Transmit Range = approx. 300 feet (line of sight) • Operating frequency = 433.92 MHz FM • Temperature range: -40° C to +150° C (-40° F to + 302° F) • Sensor batteries are internal - non-rechargeable & not replaceable • Sensor pressure range = 8 to 299 psi (55 to 1999 kPa, 1 to 20.3 BAR) • Sensor low voltage shutdown = 2.2 volts **NOTE:** For large bore/industrial valve stem applications, please use part number SEN-220



T-VALVE STEM
PART NUMBER: **SEN-900**

PRODUCT FEATURES: For utilization on regular valve stems, allows air filling while sensor is installed

PRESSUREPRO PARTS ORDERING GUIDE BY APPLICATION

	PLS-100	PLS-200P	PLS-240K	PLS-850K	LNK-101	LNK-110	LNK-202PD	LNK-210PD	LNK-220PD	LNK-800A	LNK-850K	RAM-B-101U	SEN-200 (one per tire)	PLS-211PD (cable)	PLS-215PD (cable)
STANDALONE TPMS SYSTEM – NO TELEMATICS INTEGRATION															
NON - DROP & HOOK															
TRACTOR ONLY, TRACTOR TRAILER WITH MARRIED TRAILER, BUS, OR RECREATIONAL VEHICLES	X	X		X								X	X		
TRACTOR TRAILER WITH DROP & HOOK TRAILER															
TRACTOR KIT (one per tractor)	X				X			X			X	X	X		
TRAILER KIT (one per trailer)						X	X		X				X		
TELEMATICS INTEGRATED TPMS SYSTEM – GEOTAB															
NON - DROP & HOOK															
TRACTOR ONLY, TRACTOR TRAILER WITH MARRIED TRAILER, BUS, OR RECREATIONAL VEHICLES	X		X	X								X	X		
TRACTOR TRAILER WITH DROP & HOOK TRAILER															
TRACTOR KIT (one per tractor)	X		X		X		X				X	X	X		
TRAILER KIT (one per trailer)						X	X		X				X		
TELEMATICS INTEGRATED TPMS SYSTEM – PEOPLENET OR OMNITRACS *															
NON - DROP & HOOK															
TRACTOR ONLY, TRACTOR TRAILER WITH MARRIED TRAILER, BUS, OR RECREATIONAL VEHICLES					X	X					X		X		
TRACTOR TRAILER WITH DROP & HOOK TRAILER															
TRACTOR KIT (one per tractor)					X	X					X		X		
TRAILER KIT (one per trailer)						X	X		X				X		
<i>A Master Programming Unit is required for telematics integrations where the telematics display is used in place of the PULSE monitor in each vehicle. It is recommended that a company has one set of programming devices at each terminal or depot location that vehicles report to.</i>															
MASTER PROGRAMMING UNIT FOR 9-PIN (J1939) VEHICLES	X													X	
MASTER PROGRAMMING UNIT FOR OBD-II VEHICLES	X														X

*Please note for Tractor Trailer Drop & Hook Applications with an OMNITRACS system, the firmware on the LNK-101 and LNK-110 must be version 1. The sensors will also need to be substituted with the legacy version, part number SEN-100.

SCHOOL BUS PRODUCTS

SCHOOL BUS ANTENNAS AND PARTS



PANA-PACIFIC
12" AM/FM ANTENNA CABLE EXTENSION
PART NUMBER: **L-12**

24" AM/FM ANTENNA CABLE EXTENSION
PART NUMBER: **L24**



PANA-PACIFIC
ADJUSTABLE MOUNT AM/FM ANTENNA
PART NUMBER: **FM100**
PRODUCT FEATURES: Stainless Steel • Spring Loaded • 31" Mast • 60" Cable • Universal Fit

PANA-PACIFIC
DUAL-BASE SIDE MOUNT AM/FM ANTENNA
PART NUMBER: **RAD4120**
PRODUCT FEATURES: Stainless Steel • Four Sections • 84" Mast • 120" Cable • Universal Fit

SCHOOL BUS RADIOS / PARTS FOR BLUE BIRD BUS

FOR USE W/ EATON/CARLING STYLE SWITCH

THESE PA-CAPABLE RADIO KITS HAVE A CONNECTOR THAT ACCEPTS EATON/CARLING ROCKER STYLE DASH-MOUNTED SWITCH FOR INTERIOR / EXTERIOR PA SPEAKER SELECTION



* Note: this switch is NOT included with the kits; this is the switch in the vehicle that plugs into a connector on the harnesses included in the radio kit.



• APTIV •

AM/FM/WB STEREO WITH PA MICROPHONE, MICROPHONE INPUT CABLE AND PLUG-N-PLAY HARNESS*
PART NUMBER: **PP107126**
PRODUCT FEATURES: Heavy-Duty (SAE J1455 compliant) radio with built-in Weather Band • VF dot matrix display with green back-lit lighting • Rotary Knob • Auto Store Memory • Built-in PA circuitry • Independent volume control in each mode (Radio or PA) • PA works even when radio power is off (vehicle ignition must be ON) • Includes PP604802 mic, mic input cable and plug-n-play wiring harness for Blue Bird bus applications

CLOSE-UP OF CONNECTORS



*NOTE: Use only in BLUE BIRD buses that have an Eaton/Carling style rocker switch installed.



• APTIV •

AM/FM/WB BLUETOOTH® STREAMING STEREO WITH PA MICROPHONE, MICROPHONE INPUT CABLE AND PLUG-N-PLAY HARNESS*
PART NUMBER: **PP107297**



PRODUCT FEATURES: Heavy-Duty (SAE J1455 compliant) radio with built-in Weather Band • Built-in Bluetooth® profile for Audio Streaming only • VF dot matrix display with green back-lit lighting • Rotary Knob • Auto Store Memory • Built-in PA circuitry • Independent volume control in each mode (Radio or PA) • PA works even when radio power is off (vehicle ignition must be ON) • Includes PP604802 mic, mic input cable and plug-n-play wiring harness for Blue Bird bus applications

CLOSE-UP OF CONNECTORS



*NOTE: Use only in BLUE BIRD buses that have an Eaton/Carling style rocker switch installed.

RADIO KITS WITH TOGGLE SWITCH INCLUDED

THIS PA-CAPABLE RADIO KIT INCLUDE A TOGGLE SWITCH FOR INTERIOR / EXTERIOR PA SPEAKER SELECTION



• APTIV •

AM/FM/WB STEREO WITH PA MICROPHONE, MICROPHONE INPUT CABLE (WITH TOGGLE SWITCH) AND PLUG-N-PLAY HARNESS* - FOR BLUE BIRD BUS



PART NUMBER: **PP107128**
PRODUCT FEATURES: Heavy-Duty (SAE J1455 compliant) radio with Weather Band • VF dot matrix display with green back-lit lighting • Rotary Knob • Auto Store Memory • Built-in PA circuitry • Independent volume control in each mode (Radio or PA) • PA works even when radio power is off (vehicle ignition must be ON) • Includes PP604802 Microphone, Microphone Input Cable and Plug-n-Play Wiring Harness with Internal/ External Speaker Switch for Blue Bird bus applications

CLOSE-UP OF CONNECTORS



*NOTE: Use only in BLUE BIRD buses that use a toggle switch for interior / exterior PA speaker selection.

PANA-PACIFIC

ISO ADAPTER HARNESS FOR BLUE BIRD BUS CHASSIS APPLICATION
PART NUMBER: **PP207201**

CLOSE-UP OF CONNECTORS



PRODUCT FEATURES: Adapter harness with the Blue Bird Bus vehicle connector to allow installation of non-PA capable radios into a Blue Bird bus

SCHOOL BUS RADIOS / PARTS FOR IC BUS



• **APTIV** •

AM/FM/WB STEREO WITH PA MICROPHONE, MICROPHONE INPUT CABLE AND

PLUG-N-PLAY HARNESS* - IC BUS PART NUMBER: **PP105600**

PRODUCT FEATURES: Heavy-Duty (SAE J1455 compliant) radio with built-in Weather Band • VF dot matrix display with green back-lit lighting • Rotary Knob • Auto Store Memory • Built-in PA circuitry • Independent volume control in each mode (Radio or PA) • PA works even when radio power is off (vehicle ignition must be ON) • Includes PP604802 microphone, microphone input cable and plug-n-play wiring harness with internal/external speaker switch for IC BUS applications



CLOSE-UP OF CONNECTORS



*NOTE: The PP105600 only works with IC BUSES built after 2000 that have male terminals. Please check to see if the terminals on bus side connector are male before ordering this radio kit.



• **APTIV** •

AM/FM/WB BLUETOOTH® STREAMING STEREO WITH PA MICROPHONE, MICROPHONE INPUT CABLE AND

PLUG-N-PLAY HARNESS* - IC BUS PART NUMBER: **PP107298**

PRODUCT FEATURES: Heavy-Duty (SAE J1455 compliant) radio with built-in Weather Band • Built-in Bluetooth® profile for Audio Streaming only • VF dot matrix display with green back-lit lighting • Rotary Knob • Auto Store Memory • Built-in PA circuitry • Independent volume control in each mode (Radio or PA) • PA works even when radio power is off (vehicle ignition must be ON) • Includes PP604802 microphone, microphone input cable and plug-n-play wiring harness with internal/external speaker switch for IC BUS applications



CLOSE-UP OF CONNECTORS



*NOTE: The PP105600 only works with IC BUSES built after 2000 that have male terminals. Please check to see if the terminals on bus side connector are male before ordering this radio kit.



PANA-PACIFIC

PA SYSTEM REPLACEMENT PANEL - IC BUS PART NUMBER: **PP603146** PRODUCT FEATURES: Replacement panel for PP105171.



PANA-PACIFIC

EXTERNAL SPEAKER HORN - IC BUS PART NUMBER: **PP301424** PRODUCT FEATURES: 8" Round • Yellow



PANA-PACIFIC

4" DUAL-CONE REPLACEMENT SPEAKER - IC BUS PART NUMBER: **PP303142**



PANA-PACIFIC

4" REPLACEMENT SPEAKER GRILLE - IC BUS PART NUMBER: **PPC00185**

SCHOOL BUS PRODUCTS

SCHOOL BUS RADIOS / PARTS FOR THOMAS BUILT BUS



• APTIV •

AM/FM/WB STEREO WITH PA MICROPHONE, MICROPHONE INPUT CABLE AND

PLUG-N-PLAY HARNESS - FOR THOMAS BUILT BUSES
PART NUMBER: **PP105602**

PRODUCT FEATURES: Heavy-Duty (SAE J1455 compliant) radio with built-in Weather Band • VF dot matrix display with green back-lit lighting • Rotary Knob • Auto Store Memory • Built-in PA circuitry • Independent volume control in each mode (Radio or PA) • PA works even when radio power is off (vehicle ignition must be ON) • Includes PP604802 Mic, Mic input cable and plug-n-play wiring harness for Thomas Built Buses application



CLOSE-UP OF CONNECTORS



• APTIV •

AM/FM/WB BLUETOOTH® STREAMING STEREO WITH PA MICROPHONE, MICROPHONE INPUT CABLE AND PLUG-N-PLAY HARNESS - FOR THOMAS BUILT BUSES

PART NUMBER: **PP107299**
PRODUCT FEATURES: Heavy-Duty (SAE J1455 compliant) radio with built-in Weather Band • Built-in Bluetooth® profile for Audio Streaming only • VF dot matrix display with green back-lit lighting • Rotary Knob • Auto Store Memory • Built-in PA circuitry • Independent volume control in each mode (Radio or PA) • PA works even when radio power is off (vehicle ignition must be ON) • Includes PP604802 Mic, Mic input cable and plug-n-play wiring harness for Thomas Built Buses application



CLOSE-UP OF CONNECTORS



• PANAPACIFIC •

ANTENNA ADAPTER FOR FORD 2009 - FOR THOMAS BUILT BUSES
PART NUMBER: **CR-6**

• PANAPACIFIC •

RADIO MOUNTING KIT FOR FORD 2008 - FOR THOMAS BUILT BUSES
PART NUMBER: **FMK538**
PRODUCT FEATURES: Radio mounting kit for Ford 2008



• PANAPACIFIC •

RADIO INSTALL KIT FOR GM 2008 AND LATER - FOR TBB
PART NUMBER: **GMK317**
PRODUCT FEATURES: Radio install kit for GM 2008 & later



• PANAPACIFIC •

MICROPHONE INPUT CABLE - FOR TBB
PART NUMBER: **PP204435**
PRODUCT FEATURES: 36" long cable • Microphone to PA circuit board • For PANASONIC PA-capable radios ONLY



• PANAPACIFIC •

EXTENSION CABLE FOR MIDBODY MICROPHONE - FOR TBB
PART NUMBER: **PP204437**



• PANAPACIFIC •

MICROPHONE INPUT CABLE - FOR TBB
PART NUMBER: **PP207053**
PRODUCT FEATURES: 36" long cable • Microphone to PA circuit board • For APTIV PA-capable radios ONLY



• PANAPACIFIC •

PA MICROPHONE - FOR TBB
PART NUMBER: **PP602992**
PRODUCT FEATURES: Rotary Volume Control • PA Compatible • Includes Microphone Clip • 5 Pin



• PANAPACIFIC •

PA AMPLIFIER - FOR TBB
PART NUMBER: **PP604377**
PRODUCT FEATURES: Includes a single DIN mount • Front and rear microphone inputs • Can take the place of a stereo



CLOSE-UP OF CONNECTOR



• PANAPACIFIC •

EXTERNAL SPEAKER HORN - FOR THOMAS BUILT BUSES
PART NUMBER: **PP304343**
PRODUCT FEATURES: 8" Round • Black • 8 OHM Metri-Pack 150 Sealed Connector



CLOSE-UP OF CONNECTOR



• PANAPACIFIC •

EXTERNAL SPEAKER HORN - FOR THOMAS BUILT BUSES
PART NUMBER: **PP304438**
PRODUCT FEATURES: 8" Round • Black • 8 OHM Metri-Pack 150 Unsealed Connector

SCHOOL BUS UNIVERSAL REPLACEMENT PART



• PANAPACIFIC •

PA MICROPHONE
PART NUMBER: **PP604802**
PRODUCT FEATURES: Rotary Volume Control • PA Compatible • 5 pin

Medium Duty Harness Guide

All of the medium duty trucks manufactured by Hino, Isuzu and Mitsubishi-Fuso require one of four different connectors to adapt the plug on the instrument panel harness (originally inserted directly into the OEM radio) to an adapter harness that will allow the use of a Pana-Pacific supplied aftermarket radio. Some truck manufacturers have used at least three of these types of plugs at various times in the last 20 years, and some of these plugs have been used by all three of the medium duty truck manufacturers. The four different connectors can be distinguished by the number of pin **positions** in each.



10 pin Connector



13 pin Connector



14 pin Connector



16 pin Connector

These “truck side” connectors are matched with three “radio side” connectors which fit any radio Pana-Pacific sells. Although each of the radio side connectors has 16 pin positions, they can be distinguished by size and color: **Panasonic Grey, Panasonic Black or ISO-DIN.**

	10 pin Connector	13 pin Connector	14 pin Connector	16 pin Connector
Panasonic GREY	PP205124	PP202655	PP201990	PP202917
Panasonic BLACK	PP205340	PP205257	PP205339	PP205341
ISO-DIN	PP204406	PP201499	PP202924	PP202918

RADIO HARNESS GUIDE

- RADIO HARNESS ORDERING GUIDE -

Model Type	Radio Model Number	
D	ALL DELPHI RADIOS PLUS CQ5109U, PP106062, TR0001, SMR10205, PP107233, PP107234, PP107235 CQCX160U*, CQRX660U*, CRSM4208U * THESE RADIOS COME WITH ISO JUMPER PP205250	
E	Panasonic: CRCM120UA	
F	Panasonic: CQCX160U, CQRX660U	
Radio Model	Harness Number	Application
D	PP201746	Non-Terminated Wires
D	PP201491	1A Freightliner
D	PP201495	2A/3A Peterbilt / Kenworth
D	PP201496	3C Kenworth T2000 & T300
D	PP201497	4A International
D	PP201498	5A Mack
D	PP201499	6E Volvo / Isuzu
D	PP202336	6F Volvo
D	PP201540	7A Sterling / Ford
D	PP204166	7C Ford 2005 - Up
D	PP201500	11A Western Star
D	PP201523	Caterpillar
D	PP201668	11C Western Star
E	PP201991	Non-Terminated Wires
E	PP201898	ISO-DIN
E	PP201660	1A Freightliner
E	PP201661	2A/3A Peterbilt / Kenworth
E	PP201662	4A International
E	YEAJ02877 2Y	2Y Peterbilt Premium Sound
E	YEAJ02877 3C	3C Kenworth T2000 & T300
E	PP202663	5A Mack
E	PP202655	6E Volvo / Isuzu
E	PP202339	6F Volvo
E	YEAJ02877 7	7 Sterling / Ford
E	YEAJ02877 7A	7A Sterling / Ford
E	YEAJ02877 7B	7B Sterling / Ford
E	PP203388	7C Ford 2005 - Up
E	YEAJ02877 11C	11C Western Star
E	PP201933	11B Western Star
F	PP205249	Non-Terminated Wires
F	PP205250	ISO-DIN
F	PP205251	1A Freightliner
F	PP205252	2A/3A Peterbilt / Kenworth
F	PP205253	4A International
F	PP205254	2Y Peterbilt Premium Sound
F	PP205255	3C Kenworth T2000 & T300
F	PP205256	5A Mack
F	PP205257	6E Volvo / Isuzu
F	PP205258	6F Volvo
F	PP205259	7 Sterling / Ford
F	PP205260	7A Sterling / Ford
F	PP205261	7B Sterling / Ford
F	PP205262	7C Ford 2005 - Up
F	PP205263	11C Western Star
F	PP205264	11B Western Star
PP202147 (12-pin to ISO)	SOME INTERNATIONAL MODEL SERIES 4000, 7000, AND 8000 BUILT BETWEEN SEPT 2002 THROUGH 2007 HAVE SMALL WHITE 12 PIN OR 16 PIN CONNECTORS ON THE INSTRUMENT PANEL HARNESS. THESE CONNECTORS CAN BE CONVERTED TO THE CURRENT STANDARD ISO-DIN CONNECTOR USING THESE HARNESSES	
PP202148 (16-pin to ISO)		

TRUCK RADIO APPLICATION GUIDE

TRUCK MODEL AND YEAR	RADIO CHASSIS	HARNES SUFFIX
FREIGHTLINER		
ALL MEDIUM DUTY - RADIO OVER HEAD	DIN	1A
COE MODELS BUILT BEFORE 6/86	SHAFT	1
COE MODELS BUILT 6/86 THRU 7/05	DIN	1A
CONVENTIONAL MODELS BUILT BEFORE 6/86	SHAFT	1
CONVENTIONAL MODELS BUILT 6/86 THRU 7/05	DIN	1A
CONVENTIONAL MODELS BUILT AFTER 7/05	DIN	ISO-DIN
CONVENTIONAL MODELS PREMIUM SOUND	DIN	1X
CENTURY CLASS MODELS WITH PREMIUM SOUND AND CD CHANGER	DIN	1Y
PETERBILT		
ALL MEDIUM DUTY COE AND CONVENTIONAL(330)	DIN	2A
COE MODELS BUILT BEFORE 10/86	SHAFT	2
COE MODELS BUILT AFTER 10/86	DIN	2A
CONVENTIONAL MODELS BUILT BEFORE 10/86(359)	SHAFT	2
CONVENTIONAL MODELS BUILT 10/86 TO 6/05	DIN	2A
CONVENTIONAL W/PREMIUM SOUND TO 12/95(379)	DIN	2X(14)
CONV W/PREM SOUND FROM 1/96 TO 4/05 (22)	DIN	2Y
CONV W/PREM SOUND FROM 4/05 (22)	DIN	ISO-DIN
MODEL 387 BUILT TO 9/06	DIN	3C
MODEL 387 BUILT FROM 9/06	DIN	ISO-DIN
MODEL 387 W/ PREM SOUND BUILT TO 9/06	DIN	3C
MODEL 387 W/ PREM SOUND BUILT FROM 9/06	DIN	ISO-DIN
KENWORTH		
BEFORE 1998	DIN	3
ALL MEDIUM DUTY COE	DIN	3A
MEDIUM DUTY (T300)	DIN	3C
CONVENTIONAL MODELS ALL BUILT FROM 2/94 TO 4/05	DIN	3A
CONVENTIONAL MODELS ALL BUILT FROM 4/05	DIN	ISO-DIN
T-2000 MODELS	DIN	3C
INTERNATIONAL *		
2600-8300 SERIES MEDIUM DUTY BEFORE 7/92	DIN	4
2600-8300 SERIES MEDIUM DUTY BUILT 7/92 TO 8/04	DIN	4A
MEDIUM DUTY AFTER 8/04	DIN	ISO-DIN
9000 SERIES COE	DIN	4
9000SERIES CONVENTIONAL BUILT BEFORE 7/92	SHAFT	4
9000SERIES CONVENTIONAL BUILT 7/92 TO 8/04	DIN	4A
9000SERIES CONVENTIONAL PRO SLEEPER FROM 7/94 TO 8/04	DIN	4A
PRO STAR, ALL	DIN	ISO-DIN
MACK		
COE MODEL MH	DIN	5A
R,RD,RM,DM,DMM,MR MODELS BUILT BEFORE 11/92	SHAFT	5
RD,RM,DM,DMM,MR MODELS BUILT AFTER 11/92	DIN	5A
CH & CL SERIES, VISION MODELS BUILT BETWEEN 11/92 AND 11/03	DIN	5A
ALL MODELS BUILT AFTER 11/03	DIN	ISO-DIN
VOLVO/WHITE GMC		
VOLVO MODELS BUILT BEFORE 2/93	SHAFT	6B
VOLVO MODELS BUILT AFTER 2/93 BEFORE 11/03	DIN	6E
WHITE GMC MODELS BUILT BEFORE 9/92	SHAFT	6
WHITE GMC WI MODELS BUILT BEFORE 9/92	DIN	6A
WHITE GMC MODELS BUILT AFTER 10/93	DIN	6E
ALL MODELS BUILT AFTER 11/03	DIN	ISO-DIN
FORD-STERLING		
F-SERIES 1986-1997	DIN	7
FORD FOUR SPEAKER 1998-2005/ 1999-2005 STERLING	DIN	7A
1995-1998 FORD/STERLING PREMIUM SOUND	DIN	7B
STERLING 1998	DIN	7
FORD/STERLING 2005 - UP	DIN	7C
WESTERN STAR		
CONVENTIONAL MODELS BUILT BEFORE 12/91	SHAFT	11
CONVENTIONAL BUILT AFTER 12/91 HERITAGE CAB	DIN	11A
CONSTELLATION SERIES TRUCKS TO 6/97	DIN	11B
CONSTELLATION SERIES TRUCKS 6/97 TO PRESENT	DIN	11C
MONSOON SYSTEM	DIN	ISO-DIN

VOLVO HARNESS GUIDE

Truck Build Date	9/2008 TO 11/10/2014
Harness	Applications for VOLVO
PP205433 22351684	Volvo Day Cab models WITHOUT options* ¹
PP205432 22351682	Volvo Day Cab models WITH options* ¹
PP205655 22473834	Volvo Sleeper models with LECM (DRSA) - This will allow the radio to be powered on from the Sleeper* ²

*¹ If a Volvo Day Cab is equipped with any of the features listed below, the vehicle is considered to have options and will require the harness designated (above) for Volvo Day Cab models WITH options:

Electronic Air Dryer, Collision Avoidance, Lane Departure Warning, Tire Pressure Monitoring, Electronic Controlled Suspension, Heated Seats, I-Shift Transmission

*² In order to retain the remote on/off feature using the bunk controls, a new LECM (refer to current model to determine which one is needed) and an additional wiring harness (refer to truck configuration to determine which one is needed) are required. If this function is not needed or wanted, then only one of the above mentioned harnesses (*¹) will be needed.

New LECM (BASE) 22382005
 New LECM (HIGH) 22382004
 L3 Harness: 22456393
 L4 Harness: 22456394
 L5H2 Harness: 22456395
 L5H4 Harness: 22471335

Note: Upgrading a truck radio to one of these new Delphi Volvo radios will create a vehicle fault code that will not affect drive-ability, but will be present when the vehicle is serviced by a technician. If the technician is unaware of the situation creating the fault code (newly installed radio) it could result in unneeded vehicle diagnostics.

MACK HARNESS GUIDE

Truck Build Date	9/2008 TO 8/15/2014
Harness	Applications for MACK
PP205433 22351684	Mack models WITHOUT reverse mute feature
PP205499 22351686	Mack models WITH reverse mute feature

Note: Upgrading a truck radio to one of these new Delphi Mack radios will create a vehicle fault code that will not affect drive-ability, but will be present when the vehicle is serviced by a technician. If the technician is unaware of the situation creating the fault code (newly installed radio) it could result in unneeded vehicle diagnostics.

GLAD RADIO REPLACEMENT

	GLAD P/N	Description	Pana Model	Volvo P/N	Pana Aftermarket P/N
VOLVO	21356887	RDO ASM-AM/FM/WB/-ST	DEA500	23100545	PP107009
VOLVO	21470349	RDO ASM-BASE,VT	DEA510	23100544	PP107011
VOLVO	21889614	RDO ASM-MID,VT	DEA520	23100543	PP107012
VOLVO	21889619	RDO ASM-MID,BT,VT	DEA530	23100542	PP107013
VOLVO	21889655	RDO ASM-MID,XM,VT	DEA540	23100541	PP107014
	GLAD P/N	Description	Pana Model	Mack P/N	P/N
MACK	21470356	RDO ASM	DEA510	23100552	PP107067
MACK	21889622	RDO ASM-MP3, DIN	DEA520	23100551	PP107068
MACK	21889623	RDO ASM-MID,VM	DEA530	23100550	PP107069
MACK	21889624	RDO ASM-MID,XM,VM	DEA540	23100549	PP107070

REPLACE A FIRST GENERATION SMARTNAV® OR NAVPLUS® SYSTEM WITH AN APTIV RADIO



- AFFORDABLE OPTIONS TO REPLACE A FIRST GENERATION SMARTNAV® OR NAVPLUS® CONTROLLER WITH AN APTIV RADIO
- CHOOSE AN APTIV RADIO AND THE CORRECT INSTALLATION HARNESS KIT FROM THE LIST BELOW
- IF THE APTIV RADIO YOU CHOOSE HAS INTEGRATED BLUETOOTH®, YOU WILL NEED TO PURCHASE A BLUETOOTH® MICROPHONE (PART NUMBER PP604240)
- IF THE APTIV RADIO YOU CHOOSE HAS INTEGRATED SIRIUSXM® — THE SATELLITE RADIO ANTENNA ALREADY INSTALLED IN THE TRUCK WILL CONNECT FOR SATELLITE RADIO RECEPTION
- A REPLACEMENT APTIV RADIO WILL NOT POWER UP OR ALLOW YOU TO UTILIZE THE IN-DASH SMARTNAV® OR NAVPLUS® SCREEN. THE SCREEN WILL BE INOPERABLE
- INSTALLATION INSTRUCTIONS ARE INCLUDED WITH EACH HARNESS KIT AND CAN BE ACCESSED ONLINE AT WWW.PANAPACIFIC.COM ('SUPPORT CENTER' TAB / 'DOWNLOADS' AREA)

FOR APPLICATIONS THAT DO NOT NEED A HARNESS KIT, PLEASE ACCESS THE INSTRUCTIONS ON-LINE OR CONTACT PANA-PACIFIC.

	TRUCK MODEL	CAB	AUDIO	KIT PART #	INSTRUCTIONS
PETERBILT	389, 367, 365, 348, 337, 330, 325	ANY	Premium audio: Includes tweeters over the door	PP807092-005	PP607144-004
		DAY	Mid Level: no tweeters	PP807092-006	
		SLEEPER	Mid Level: no tweeters	PP807092-007	
	579, 567	ANY	ANY*	No kit required; refer to instructions*	PP607144-001
587	ANY	WITHOUT tweeters mounted in the A-Pillar trim	PP807092-009	PP607144-003	
		WITH tweeters mounted in the A-Pillar trim	PP807092-010		

*OPTIONAL premium audio in these applications (tweeters on A-pillar at grab handle upper mounting bolt) will require PP207130 jumper

	TRUCK MODEL	TRUCK HARNESS	AUDIO	KIT PART #	INSTRUCTIONS
KENWORTH	T170, T270, T370, T440, T470, T660, T700, T800, W900	ANY	ANY	No Kit Required Refer to Instructions	PP607144-001
	T680, T880	P922 (December 2014 or earlier)	ANY*	No Kit Required Refer to Instructions*	PP607144-001
		P923/P924 (January 2015 or later)	ANY	PP807092-003	PP607144-002

*OPTIONAL premium audio in these applications (tweeters on A-pillar above grab handle) will require PP207130 jumper

CB RADIO COMPARISON CHART

Manufacturer	UNIDEN								MIDLAND
	PRO505XL	PRO510XL	PRO520XL	PC68LTX	PC78LTX	Bearcat680	Bearcat880	Bearcat980	1001LWX
FEATURE									
Static reduction									
Illuminated Panel							•	•	
Single Sideband								•	
Power Output	4W	4W	4W	4W	4W	4W	4W	4W	4W
NOAA Weatherband Channels							7	7	
Emergency Weather Alert							•	•	
Front-Mounted Speaker									
Front-Mounted Microphone	•	•	•	•	•	•	•	•	•
S/RF Meter	•	•	•	•	•	•	•	•	•
SWR Meter					•		•	•	
Switchable Noise Blanker				•	•	•	•		
Automatic Noise Limiter		•	•	•	•		•	•	
RF Gain Control			•	•	•		•	•	•
SWR Calibrate Control					•		•	•	
Dynamike/Mic Gain Control				•	•				
Instant Channel 19					•	•	•	•	
Instant Channel 9	•		•	•	•	•	•	•	
CB/PA Switch	•		•	•		•		•	
Bright/Dim Control						•	•	•	•
Indicator LED's: TX		•	•	•	•			•	
RX				•	•			•	
WX									
Dual Watch									
Last Channel Memory							•	•	
Channel Scan							•	•	
Antenna Warning Light					•			•	
Dimensions: Width	4 7/8	4 1/2	4 1/2	6 1/3	7 2/3	6 1/4	7 1/4	6 3/4	4 7/8
Height	1 5/8	1 3/8	1 3/8	2 1/4	2 1/5	2 3/8	2 1/8	1 7/8	1 1/2
Depth	6 5/8	6 3/4	6	6 1/3	8 8/9	6 1/8	7 1/2	6 7/8	6 1/2

CB RADIO COMPARISON CHART

COBRA

	19DX IV	25LTD	25NW	29LTDBT	29LTD	29NNW		75WXST	29PLX/29LX	29LX MAX	
FEATURE											
SoundTracker								•			
USB Output Jack											
Text and Voice Caller ID										•	
Text to Speech Conversion										•	
NightWatch Illuminated Panel			•			•			•	•	
Bluetooth Capability				•						•	
Dual Point Bluetooth										•	
Power Output	4W	4W	4W	4W	4W	4W		4W	4W	4W	
NOAA Weatherband Channels									10	10	
Emergency Weather Alert									•	•	
Front-Mounted Speaker											
Front-Mounted Microphone	•	•	•	•	•	•			•	•	
S/RF Meter	•	•	•	•	•	•		•	•	•	
SWR Meter				•	•	•			•	•	
Switchable Noise Blanker		•	•	•	•	•			•	•	
Automatic Noise Limiter	•	•	•	•	•	•			•	•	
RF Gain Control	•	•	•	•	•	•			•	•	
SWR Calibrate Control				•	•	•			•	•	
Dynamike/Mic Gain Control		•	•	•	•	•			•	•	
Instant Channel 19	•		•			•			•	•	
Instant Channel 9	•	•	•	•	•	•		•	•	•	
CB/PA Switch	•	•	•	•	•	•		•	•		
Bright/Dim Control		•	•	•	•	•			•	•	
Indicator LED's: TX	•	•	•	•	•	•		•	•	•	
RX		•	•	•	•	•		•	•	•	
WX				•	•			•	•	•	
Dual Watch								•			
Last Channel Memory								•			
Channel Scan								•	•	•	
Antenna Warning Light				•	•	•			•	•	
Cobra iRadar alert										•	
Dimensions: Width	6 3/4	6 3/8	6 3/8	7 5/16	7 5/16	7 5/16		1 7/8	7 2/7	7 1/4	
Height	1 7/8	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4		4 1/4	2 1/5	2 1/4	
Depth	6 7/8	8 5/8	8 5/8	8 5/8	8 5/8	8 5/8		2 3/4	8 5/8	9 1/4	

POWER INVERTER APPLICATION GUIDE

WHAT YOU NEED TO KNOW ABOUT POWER INVERTERS...

MORE ECONOMICAL

1. Eliminates Specialty Appliance Purchase

Power Inverters are the economical alternate to purchase costly 12V DC appliances. Power Inverters let you use all your 120V AC home appliances and power tools on the road and the water.

2. Saves Gas

Power Inverters consume no fuel, drawing power from your battery system. Gas generators, by comparison, require frequent, costly trips to the pump. In addition, if a gas generator shares a single fuel tank with a vehicle engine—it forces you to choose between fueling your generator or extending the range of your travel.

3. Conserves Battery Power

Power Inverters consume practically no battery when not in use.

4. Reduces Generator Wear

Save the wear and tear on your gas generator until its power is absolutely needed. Power Inverters will run smaller loads more efficiently than gas generators, saving you significant generator maintenance costs.

MORE CONVENIENT

5. Liberates You From Shore Power

Power Inverters allow you to cruise the open road or open water and still enjoy the full use of home appliances and power tools.

6. Automatically Charges Your Battery

When connected to shore power, Tripp Lite PowerVerter APS models will automatically charge your house battery systems. An advanced three-stage charger design charges your batteries faster so you can get out on the road or water faster than with conventional chargers.

7. Supports Every Application

Power Inverters are available in a wide range of sizes to support every application. Since they deliver up to 3000 watts of continuous power, you don't have to choose between a TV and a toaster or a blender and a drill—run them simultaneously!

POWER INVERTER APPLICATION GUIDE

Manufacturer		COBRA					TRIPP-LITE				TUNDRA					
Application/Equipment	Typical Wattage	CP1400PSW	CP1500W	CP11500W	CP12500W	CP13000W	MRV2012UL	PV1000HF	PV1800HF	PV3000HF	RV1250ULHW	M600	M1000	M1500	M2000	M2500
Power Tools																
1/4" Drill	300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
790 Deg Heat Gun	400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Jigsaw	450	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1/2" Reversible Drill	480	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10 Gallon Wet/Dry Vac	900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6" Circular Saw	950	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14" Chain Saw	1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Audio/Video Equipment																
Video Game System	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VCR	30	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CD/DVD Changer	50	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
13" color TV	80	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
19" color TV	160	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
25" color TV	220	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Stereo Amp	240	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Appliances																
Can Opener	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12" 3 Speed Fan	250	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Mixer/Blender	300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portable Vacuum	550	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Toaster Oven	1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Coffee Maker	1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Microwave	1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Other																
Battery Charger	25	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inkjet Printer	40	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Laptop Computer	100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Running Multiple Items																
<i>(Add the Wattage)</i>																
Microwave	1000															
19" Color TV	160															
12" Fan	250															
Total:	1410															

AFTERMARKET REPLACEMENT SPEAKER GUIDE

Make	Truck Model	OEM Speaker Part Number	Upgrade	Size/Impedance/Max Power	Harness Needed	Harness Part Number
Freightliner	In-door on Most Class 8 Models	22-43130-001	CJA1323	5.25" / 4 Ω / 60W	Yes	PP201811
Freightliner	Century Class Models	18-31374-001	CJA6933	6x9" / 4 Ω / 60W	Yes	XLS1004
Freightliner	FLR M2 Models	22-43130-000	CJA1323	5.25" / 4 Ω / 60W	Yes	XLS1004
International	All 9000, 9000i, 9400, and 9900 B-pillar and Sleeper	3529890C1	CJA1323	5.25" / 8 Ω / 60W	Yes	XLS1800
International	2000 and after - med duty 4000, 7000, 8000	3544619C1	CJA1023	4" / 4 Ω / 60W	Yes	PP201522
International	2000 and after - med duty 4000, 7000, 8000	3544620C1	CJA1323	5.25" / 4 Ω / 60W	Yes	PP201522
International	All 9000, 9400, and 9900 CB Speaker - Driver side	3520852C1	N/A	3.5" / 8 Ω / 40W	Yes	XLS1800
International	All 9000, 9200, and 9300 Day Cab B-pillar	2033500C1	N/A	5x7" / 4 Ω / 40W	Yes	XLS1800
International	ProStar Basic - Door	3810442C1	CJA1623	6.5" Coax / 4 Ω / 100W	Yes	PP201522
International	ProStar Basic - B Pillar	3810410C1	N/A	6.5"/2 Ω	No	N/A
International	ProStar Premium - Door	3810410C1	N/A	6.5"/2 Ω	No	N/A
International	ProStar Premium - Tweeter	3817170C1	N/A	1.3cm/ 4 Ω / 100W		
International	ProStar Premium - Sleeper	3810442C1	CJA1623	6.5" Coax / 4 Ω / 100W	No	N/A
International	ProStar Premium - Subwoofer	3598678C1	N/A	10" DVC/ 6 Ω / 100W	No	N/A
Kenworth	Medium Duty and W900 Rear	PPC00143	CJA1323	5.25" / 4 Ω / 60W	Yes	XLS1004
Kenworth	Conventional Models, Cab Front W900	PPC00267	CJA1023	4" / 4 Ω / 45W	Yes	XLS1100
Kenworth	COE K100E Series Cab Front, Sleeper	PPC00143	CJA1323	5.25" / 4 Ω / 60W	Yes	XLS1100
Kenworth	T2000 Cab Front and Sleeper	P28-1013-1	CJA1623	6.5" / 4 Ω / 100W	Yes	PP200542
Kenworth	B-Cab Models, Cab Front and Rear 2004 and Prior	P28-1014-1	CJA1623	6.5" / 4 Ω / 100W	Yes	PP201839
Kenworth	All NBI Cabs	CJ15DX142B	N/A	4x6" / 8 Ω / 100W	No	N/A
Kenworth	All NBI Sleepers	PPC00143	CJA1323	5.25" / 4 Ω / 60W	Yes	XLS1100
Mack	All Models		CJA1323	5.25" / 4 Ω / 60W	Yes	XLS1100
Peterbilt	Headliner - Standard and Premium Sound	16-09742	N/A	4x6" / 4 Ω / 100W	Yes	XLS1310
Peterbilt	Headliner - EHD	PP302530	CJA1623	6.5" / 8 Ω / 150W	Yes	XLS1311
Peterbilt	B-Pillar - Premium Sound	PP302534	CJA1623	6.5" / 8 Ω / 100W	Yes	XLS1310
Peterbilt	B-Pillar - EHD	PP302531	CJA1623	6.5"/ 2 Ω / 100W		
Peterbilt	36" Sleeper	PP302532	CJA1623	6.5" / 4 Ω / 100W		
Peterbilt	48" & 63" Sleepers (before 05/15/06)	PP302532	CJA1623	6.5" / 4 Ω / 100W		
Peterbilt	48" & 63" Sleepers (after 05/15/06)	CJ15DX142B	N/A	4x6" / 8 Ω / 100W	No	N/A
Peterbilt	70" Sleeper	CJ15DX142B	N/A	4x6" / 8 Ω / 100W	No	N/A
Western Star	Overhead Console	22-43129-000	CJA1023	4" / 4 Ω / 60W	Yes	XLS1004
Western Star	Cab and sleeper	PP301743	CJA1623	6.5" / 4 Ω / 100W	Yes	

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