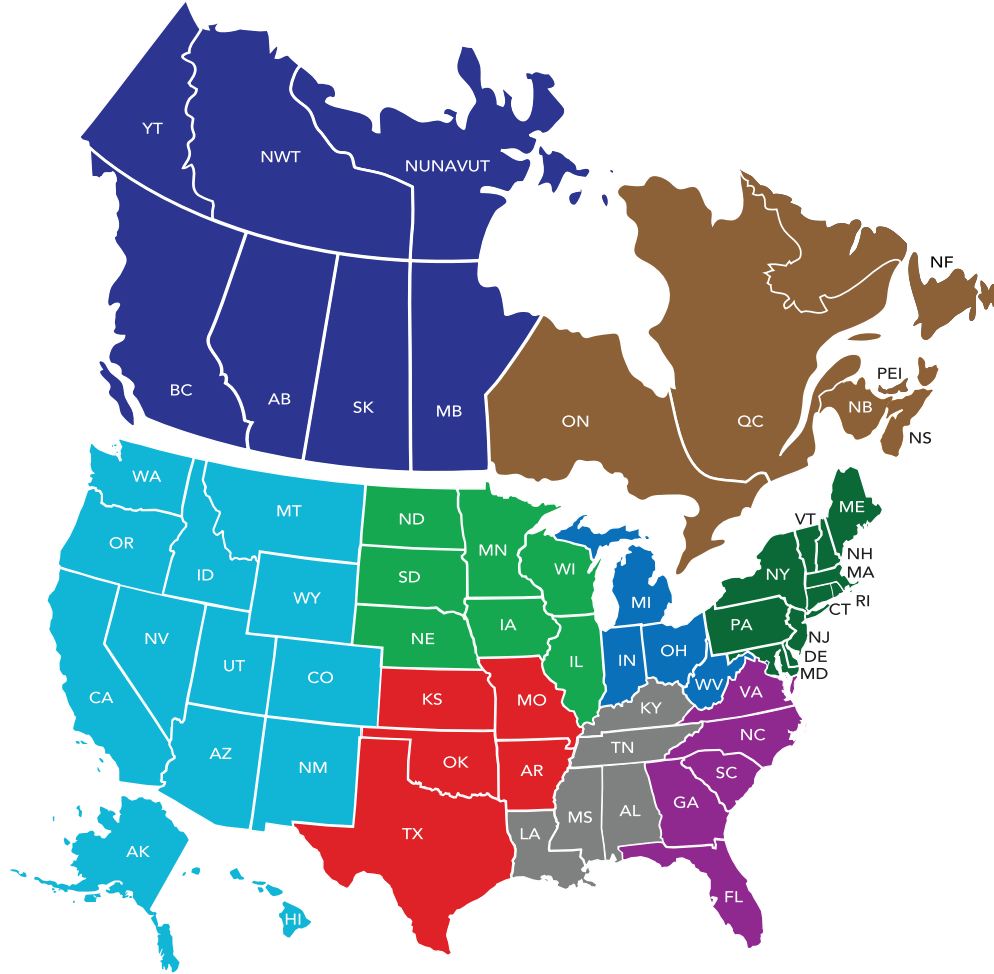# PANA-PACIFIC

CATALOG

2021

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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.

3/2021

AUDIO SYSTEMS - RADIOS

DELPHI

COMMON FEATURES
FOR ALL HEAVY DUTY DELPHI RADIOS

HEAVY DUTY	**HEAVY DUTY DESIGN** - made for a commercial vehicle driver by having larger buttons and a heavy-duty construction for tougher environments. **SAE J1455 COMPLIANT** - meets all the test standards for reliability of an electronic component in a commercial vehicle.
❄	**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
ISO CONNECTOR	**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.
FRONT AUX	**FRONT AUX INPUT (MUSIC PORT)** - easy access to plug in a smart device and enjoy your digital music library through the vehicle's speakers.
REAR AUX	**REAR AUX INPUT** - provides an auxiliary terminal for permanent hard wire to the rear side of the radio.
CAN bus	**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.
🕐	**QUARTZ ALARM CLOCK** - convenient, built-in quartz alarm clock with one hour timer.
⏻	**OUTPUT POWER** - 45 Watts x 4 Channels
🔊	**SOUND QUALITY (EQ) FUNCTION** - select the sound type (Pop, Rock, Country, News, Jazz, Classical or Manual) to improve the dynamic range. **SEPARATE BASS, MID, TREBLE, BALANCE AND FADER CONTROL** **6 AM / 12 FM RADIO PRESET BUTTONS** **AUTO STORE MEMORY**

HEAVY-DUTY AM/FM/MP3/WMA CD PLAYER
PART NUMBER: PP105222
FEATURES: Compact Disc (CD) Player for playback of MP3 and WMA formats • Back-lit Display Lighting - GREEN • PA Function (PA Mic and Cable sold separately) • 250K CAN Bus Baud Rate • Common Features listed in left column

HEAVY-DUTY AM/FM/MP3/WMA/WB CD PLAYER WITH FRONT PANEL USB PORT
PART NUMBER: PP105713
FEATURES: Compact Disc (CD) Player for playback of MP3 and WMA formats • FRONT PANEL USB PORT - direct connect location for memory devices with USB interface, to play stored music and/or charge the device and to have iPod® control through the radio • Back-lit Display Lighting - Switchable between GREEN or AMBER • 250K CAN Bus Baud Rate • Common Features listed in left column • Handheld Remote Control available and sold separately - Part No. PP603988

30 DAY CLOCK MEMORY
HEAVY-DUTY AM/FM/MP3/WMA/WB CD PLAYER WITH FRONT PANEL USB PORT, INTEGRATED SXM SATELLITE RADIO AND INTEGRATED BLUETOOTH® (GREEN/AMBER)
PART NUMBER: PP105715
FEATURES: Compact Disc (CD) Player for playback of MP3 and WMA formats • Integrated SiriusXM Satellite Radio Tuner - offers 100+ channels of digital quality audio programming heard uninterrupted across the continuous U.S. and Canada; a subscription is required to receive satellite broadcasts* • Built-in Bluetooth® for hands-free cellular phone operation - utilizing the vehicle's audio system and a remote microphone** - up to 10 Bluetooth® devices can be stored for fast pairing • Bluetooth® Audio Streaming • FRONT PANEL USB PORT- direct connect location for memory devices with USB interface, to play stored music and/or charge the device and to have iPod® control through the radio • Back-lit Display Lighting - Switchable between GREEN or AMBER • 250K CAN Bus Baud Rate • Common Features listed in left column *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

QUICK TIP

THE RADIO APPLICATION GUIDE & RADIO HARNESS GUIDE LOCATED IN THE BACK OF THIS CATALOG WILL ASSIST YOU IN ORDERING THE CORRECT RADIO HARNESS FOR SPECIFIC HEAVY DUTY TRUCK MAKES AND MODELS.

30 DAY CLOCK MEMORY
HEAVY-DUTY AM/FM/MP3/WMA/WB
CD PLAYER WITH FRONT PANEL USB PORT
AND INTEGRATED BLUETOOTH®
PART NUMBER: **PP107091**
FEATURES: Compact Disc (CD) Player for playback of MP3 and WMA formats •
Built-in Bluetooth® for hands-free cell phone operation - using the vehicle's audio
system and a remote mic* - up to 10 devices can be stored in the radio memory
for fast pairing • Bluetooth® Audio Streaming • FRONT PANEL USB PORT - direct
connect location for memory devices with USB interface, to play stored music and/
or charge the device and to have iPod® control through the radio • AMBER Back-lit
Display Lighting • 250K CAN Bus Baud Rate • Common Features listed on page 2
NOTE: This radio is for use only in the New Cascadia truck models, built from 2017
through Sept. 9, 2019. *Bluetooth® Mic sold separately - Part No. PP603846 or PP604240

30 DAY CLOCK MEMORY
HEAVY-DUTY AM/FM/MP3/WMA/WB
CD PLAYER WITH FRONT PANEL USB PORT,
INTEGRATED SXM SATELLITE RADIO
AND INTEGRATED BLUETOOTH®
PART NUMBER: **PP107092**
FEATURES: Compact Disc (CD) Player for playback of MP3 and WMA formats •
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* • Built-in Bluetooth® for hands-free cell
phone operation - using the vehicle's audio system and a remote mic** - up to 10
devices can be stored in memory for fast pairing • Bluetooth® Audio Streaming •
FRONT PANEL USB PORT - direct connect location for memory devices w/ USB
interface, to play stored music and/or charge the device and to have iPod® control
through the radio • AMBER Back-lit Display Lighting • 250K CAN Bus Baud Rate
• Common Features listed on page 2 **NOTE:** This radio is for use only in the New
Cascadia truck models, built from 2017 through Sept. 9, 2019. *SAT Radio Antenna
sold separately - Part No. PP802458 or SRTMM-02 **Bluetooth® Mic sold separately -
Part No. PP603846 or PP604240

30 DAY CLOCK MEMORY
HEAVY-DUTY AM/FM/MP3/WMA/WB
CD PLAYER WITH FRONT PANEL USB PORT,
INTEGRATED SXM SATELLITE RADIO
AND INTEGRATED BLUETOOTH®
PART NUMBER: **PP107193**
FEATURES: Compact Disc (CD) Player for playback of MP3 and WMA formats •
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* • Built-in Bluetooth® for hands-free cell
phone operation - using the vehicle's audio system and a remote mic** - up to 10
devices can be stored in memory for fast pairing • Bluetooth® Audio Streaming •
FRONT PANEL USB PORT - direct connect location for memory devices with USB
interface, to play stored music and/or charge the device and to have iPod® control
through the radio • AMBER Back-lit Display Lighting • 500K CAN Bus Baud Rate
• Common Features listed on page 2 **NOTE:** This radio is for use only in the New
Cascadia truck models, built from Sept. 9, 2019 and newer. *SAT Radio Antenna sold
separately - Part No. PP802458 or SRTMM-02 **Bluetooth® Mic sold separately - Part No.
PP603846 or PP604240

HEAVY-DUTY AM/FM/MP3/WMA/WB
CD PLAYER WITH FRONT PANEL USB PORT,
INTEGRATED SXM SATELLITE RADIO
AND INTEGRATED BLUETOOTH®
PART NUMBER: **PP107136**
FEATURES: Compact Disc (CD) Player for playback of MP3 and WMA formats •
Integrated SiriusXM Satellite Radio Tuner - offers 100+ channels of digital quality
audio programming heard uninterrupted across the U.S. & Canada; a subscription
is required* • Built-in Bluetooth® for hands-free cell phone operation - using the
vehicle's audio system and a remote mic** - up to 10 devices can be stored for fast
pairing • Bluetooth® Audio Streaming • FRONT PANEL USB PORT - direct connect
location for memory devices w/USB interface, to play stored music and/or charge
the device and to have iPod® control through the radio • Back-lit Display Lighting -
WHITE • 250K CAN Bus Baud Rate • Common Features listed on page 2
NOTE: This radio is for use only in the International truck models LT, MV and HV.
*SAT Radio Antenna sold separately - Part No. PP802458 or SRTMM-02 **Bluetooth®
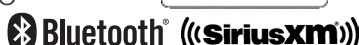Mic sold separately - Part No. PP603846 or PP604240

HEAVY-DUTY AM/FM/MP3/WMA/WB
CD PLAYER WITH FRONT PANEL USB PORT,
INTEGRATED SXM SATELLITE RADIO AND
INTEGRATED BLUETOOTH®
PART NUMBER: **PP107070**
FEATURES: Compact Disc (CD) Player for playback of MP3 and WMA formats •
Integrated SiriusXM Satellite Radio Tuner - offers 100+ channels of digital quality
audio programming heard uninterrupted across the U.S. & Canada; a subscription
is required* • Built-in Bluetooth® for hands-free cell phone operation - using the
vehicle's audio system and a remote mic** - up to 10 devices can be stored for fast
pairing • Bluetooth® Audio Streaming • FRONT PANEL USB PORT - direct connect
location for memory devices w/USB interface, to play stored music and/or charge
the device and to have iPod® control through the radio • BLUE Back-lit Display
Lighting • 250K CAN Bus Baud Rate • Common Features listed on page 2
NOTE: This radio is for use only in Mack trucks and is compatible with Mack
Software. A specific adaptor harness may be required; refer to Harness Guide in
the back of this catalog. *SAT 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

HEAVY-DUTY AM/FM/MP3/WMA/WB
CD PLAYER WITH FRONT PANEL USB PORT,
INTEGRATED SXM SATELLITE RADIO
AND INTEGRATED BLUETOOTH®
PART NUMBER: **PP107014**
FEATURES: Compact Disc (CD) Player for playback of MP3 and WMA formats •
Integrated SiriusXM Satellite Radio Tuner - offers 100+ channels of digital quality
audio programming heard uninterrupted across the U.S. & Canada; a subscription
is required* • Built-in Bluetooth® for hands-free cell phone operation - using the
vehicle's audio system and a remote mic** - up to 10 devices can be stored for fast
pairing • Bluetooth® Audio Streaming • FRONT PANEL USB PORT- 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 • WHITE Back-lit Display Lighting •
250K CAN Bus Baud Rate • Common Features listed on page 2 **NOTE:** This radio is
for use only in Volvo trucks and is compatible with Volvo Software. A specific adaptor
harness may be required; refer to Harness Guide in the back of this catalog. *SAT
Radio Antenna sold separately - Part No. PP802458 or SRTMM-02 **Bluetooth® Mic sold
separately - Part No. PP603846 or PP604240 • Handheld Remote Control sold separately -
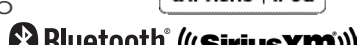Part No. PP603988

• A P T I V •

C O M M O N   F E A T U R E S
FOR ALL HEAVY DUTY APTIV RADIOS

HEAVY DUTY DESIGN - made for a commercial vehicle driver by having larger buttons and a heavy-duty construction for tougher environments.

SAE J1455 COMPLIANT - meets all the test standards for reliability of an electronic component in a commercial vehicle.

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

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.

FRONT AUX INPUT (MUSIC PORT) - easy access to plug in a smart device and enjoy your digital music library through the vehicle's speakers.

REAR AUX INPUT - provides an auxiliary terminal for permanent hard wire to the rear side of the radio.

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.

QUARTZ ALARM CLOCK - convenient, built-in quartz alarm clock with one hour timer.

OUTPUT POWER - 18 W x 4 Channels
18 W x 2 Channels (24 Volt Radios)

SOUND QUALITY (EQ) FUNCTION - select the sound type (Pop, Rock, Country, News, Jazz, Classical or Manual) to improve the dynamic range.

SEPARATE BASS, MID, TREBLE, BALANCE AND FADER CONTROL

6 AM / 12 FM RADIO PRESET BUTTONS

AUTO STORE MEMORY

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.

MECHLESS - no Compact Disc (CD) player

SHALLOW CHASSIS - 86.5 mm in depth

← 86.5 mm →

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.

WHITE FAKRA AM/FM ANTENNA CONNECTOR - Robust locking mechanism, small form factor with high speed capability which allows for better cable management.

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.

Q U I C K   T I P

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.

DAB+
Digital Audio Broadcasting

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 4

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 4

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 • Common Features are listed on page 4 *Bluetooth® Mic sold separately - Part No. PP603846 or PP604240

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
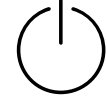
30 DAY CLOCK MEMORY
APTIV HEAVY-DUTY AM/FM/WB WITH FRONT PANEL USB PORT, INTEGRATED SXM SATELLITE RADIO AND INTEGRATED BLUETOOTH®
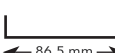PART NUMBER: **PP107201**
FEATURES: Integrated SiriusXM Satellite Radio Tuner - offers 100+ channels of digital quality audio programming heard uninterrupted across the United States and Canada; a subscription is required to receive SAT broadcasts* • SiriusXM 'Instant Replay' feature enabled - allows 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 4 *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

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

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

USB

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 4 *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

USB

Made for iPhone | iPad | iPod

(((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 4   *SAT Radio Antenna sold separately - Part No. PP802458 or SRTMM-02 • Handheld Remote Control sold separately - Part No. PP603988

Q U I C K   T I P

ALL APTIV SIRIUSXM INTEGRATED RADIOS ARE ELIGIBLE FOR AN 'ALL ACCESS' 3 MONTH IN-CAB TRIAL FOR NEW SUBSCRIBERS.

ALL APTIV SIRIUSXM INTEGRATED RADIOS PURCHASED IN THE U.S. ARE ELIGIBLE FOR A $100 MAIL-IN REBATE. PLEASE VISIT WWW.SIRIUSXMREWARDS.COM/TRUCK100 FOR OFFER DETAILS.

ALL ACCESS 3 MONTH IN-CAB FREE TRIAL Plus Free Activation — Over $70 Value

(((SiriusXM))) $100 4000 1234 5678 9010 VISA

DAB+ Digital Audio Broadcasting

USB

Made for iPhone | iPad | iPod

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 4; Exception - no Weather Band *Bluetooth® Mic sold separately - Part No. PP603846 or PP604240 • Remote Control sold separately - Part No. PP603988

USB

Made for 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 4

USB

Made for iPhone | iPad | iPod

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 4   *SAT Antenna sold separately, Part No. PP802458 or SRTMM-02 • Remote Control sold separately, Part No. PP603988

DAB+ Digital Audio Broadcasting

USB

Made for 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 4; Exception - no Weather Band • Handheld Remote Control sold separately - Part No. PP603988

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/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 4 *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

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**

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 14
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 14 *Bluetooth® Mic sold separately - Part No. PP603846 or PP604240
SEE QUICK TIP ABOVE FOR SPECIFIC 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

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.

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 4 *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**

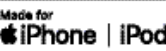**APTIV HEAVY-DUTY AM/FM STEREO RECEIVER WITH WEATHER BAND**
PART NUMBER: **PP107222**
FEATURES: Back-lit Display Lighting - BLUE • PA Function (PA Mic & Cable sold separately) • Common Features are listed on page 4
SEE QUICK TIP ABOVE FOR SPECIFIC RADIO APPLICATION INFORMATION

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: **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
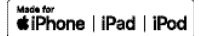**SEE QUICK TIP IN LEFT COLUMN FOR SPECIFIC PP107224 RADIO APPLICATION INFORMATION**

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 4 *Bluetooth® Mic sold separately - Part No. PP603846 or PP604240
SEE QUICK TIP ABOVE FOR SPECIFIC RADIO APPLICATION INFORMATION

QUICK TIP

VOLVO

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.

VOLVO

USB

Made for
iPhone | iPad | iPod

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

Bluetooth®

((SiriusXM))

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 4 *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**

VOLVO

PA

**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 4
SEE QUICK TIP ABOVE FOR SPECIFIC RADIO APPLICATION INFORMATION

BUNDLED VALUE

+ + **peiker**

**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**

VOLVO

USB

Made for
iPhone | iPod

Bluetooth®

**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 4 *Bluetooth® Microphone sold separately -
Part No. PP603846 or PP604240
SEE QUICK TIP ABOVE FOR SPECIFIC RADIO APPLICATION INFORMATION

Panasonic

USB

Made for ♦iPhone | iPod

Bluetooth®

(((SiriusXM)))

MECHLESS
HEAVY-DUTY AM/FM/MP3/WMA/WB WITH
FRONT PANEL USB PORT,
INTEGRATED BLUETOOTH® AND
INTEGRATED SXM SATELLITE RADIO
PART NUMBER: **CRSM4208U**
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

COMPACT disc DIGITAL AUDIO

mp3

AM/FM/MP3 CD PLAYER WITH FRONT AUX-IN STEREO
PART NUMBER: **CQCM140UA**
AVAILABLE WHILE SUPPLIES LAST
FEATURES: Front Auxiliary Input (Music Port) - plug in a smart device to enjoy your music through the vehicle's speakers • MP3 Playback - plays your personal CD-R/RW discs • Output Power: 50 Watts x 4 Channels • Sound Quality (SQ) Function • Separate Bass, Treble, Balance and Fade Controls • LED Display Lighting • 6 AM/12 FM Radio Preset Buttons • PA Capable with external cabling (sold separately)

COMPACT disc DIGITAL AUDIO

mp3 **USB**

Made for ♦iPhone | iPod

pandora®

AM/FM/MP3/WMA CD PLAYER WITH
FRONT PANEL USB PORT
AND PANDORA® LINK (iOS 6 OR ABOVE)
PART NUMBER: **CQRX660U**
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

COMPACT disc DIGITAL AUDIO

USB

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

COMPACT disc DIGITAL AUDIO **USB**

Bluetooth®

Made for ♦iPhone | iPod

Spotify®

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

(((SiriusXM))) READY **USB**

Bluetooth®

Made for ♦iPhone | iPod

Spotify®

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 10 • 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 10 • Hino Harness (part number PP207262) is included

RADIO ACCESSORIES

AUX-INPUT JACK

ISO-DIN STYLE RADIO CONNECTOR

PANA·PACIFIC

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.

CLOSE-UP IMAGES

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

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

PANA-PACIFIC

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 PL-259 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 to 29.5 MHz • Exclusive "VibraSorb" anti-breakage design • Weather Band FM frequency trap • 1500W Rating • 1 Wave • MADE IN THE USA

36" 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

48" 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

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

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

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

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

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

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

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

Everhardt ™
"Quality Crafted 'Tiger' Products"

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

Everhardt ™
"Quality Crafted 'Tiger' Products"

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

Everhardt ™
"Quality Crafted 'Tiger' Products"

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

Everhardt ™
"Quality Crafted 'Tiger' Products"

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

Everhardt ™
"Quality Crafted 'Tiger' Products"

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

Everhardt ™
"Quality Crafted 'Tiger' Products"

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

CB ANTENNAS - BULK

PRO STICK

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

PRO STICK

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

PRO STICK

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

PRO STICK

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

Everhardt
"Quality Crafted 'Tiger' Products"

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

PANA-PACIFIC

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

PANA-PACIFIC

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

PANA-PACIFIC

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

PANA-PACIFIC

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

PANA-PACIFIC

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

PANA-PACIFIC

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

PANA-PACIFIC

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

PANA-PACIFIC

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

Everhardt
"Quality Crafted 'Tiger' Products"

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

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®

FIRE ELITE (RED) BLUETOOTH® HEADSET
MADE FOR PROFESSIONAL DRIVERS
PART NUMBER: 17-130397

FEATURES: Designed for the long haul, short haul, semi-truck driver. This Bluetooth® headset offers superior battery performance to withstand countless hours of Standby and Talk time. The Fire Elite also has high-end noise cancellation, allowing drivers to power through long days and nights behind the wheel.

34 Hours of Talk Time • 600 Hours of Standby Time • Top Noise Cancellation Technology • Hi-Fi Performance Speaker • Flexible Headband • Lightweight - only 4.3 ounces • Red headset with black microphone **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 Fire Headset, Micro USB Charging Cable, Extra Mic Cover 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 - only 4.3 ounces • Bluetooth 5.0 • Connect to Siri and 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 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 Ultra Headset, Micro USB Charging Cable, D/C adapter, Extra Mic Cover and Quick Start Guide

BLUE TIGER®

ADVANTAGE BLUETOOTH®
MADE FOR PROFESSIONAL DRIVERS
LIGHTWEIGHT AND BALANCED
FOR ALL DAY COMFORT
PART NUMBER: 17-140301-1

FEATURES: Blue Tiger's most comfortable Bluetooth® headset yet! The Advantage is ergonomically designed with professional drivers in mind. Battery opposite the speaker balances this headset and the interchangeable ear cushions eliminate pressure points, discomfort and fatigue. The ultra-lightweight headset's thin flexible headband, is adjustable to ensure a desired fit.

Be heard in noisy environments - 93% Noise Cancellation • Charge once for the week - 30 Hours Talk Time • Charge battery from empty to full quickly - Rapid charge in 3 Hours • Lightweight and Balanced for all day comfort - weights only 3.6 ounces • Interchangeable ear cushions • Connect to Siri and Google Assistant • Bluetooth 5.0 performance • Supports English, French, German and Spanish speakers **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 Headset, Micro USB Charging Cable, Extra Mic Cover, Extra Ear Cushion 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)

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 • Receive 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 adjust receives 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 access to emergency Channel 9 & 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 • Receive 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 • Receive 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®

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

Cobra®

SMART CB RADIO W/ 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 Electret Mic with Phone, Rewind-Say-Again® & 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 Dynamike 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

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. Receive signals can also be monitored through PA • RF Gain adjusts 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

Cobra®

COMPACT / REMOTE MOUNT CB / WEATHER BAND RADIO
PART NUMBER: 75WXST
FEATURES: SoundTracker® • 4 Memory Channels • Auto scan of 10 Weather Channels • Instant Channel 9 or 19 • Remote Mount • Dual Watch • CB/PA Switch • Key Lock • LCD Display Panel • Optional 4' Extension Cord • Optional Additional Remote Connection Box

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.

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 Mic Connector

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

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 Mic Adapter available

Uniden

OFF-ROAD SERIES
ULTRA-COMPACT CB RADIO W/ 7-COLOR MIC DISPLAY
PART NUMBER: CMX760
FEATURES: 40 Channels • Ultra-Compact for Easy Mounting - Just 4" x 4" x 1" • NOAA Weather w/ Alert • Large Display and Speaker on Microphone • Easy Access Mic Controls • 7-Color Backlit Display and Controls • Frequency Display • Noise Blanker • Automatic Noise Limiter • "High-cut" Audio Switch • Backlit Display and Buttons • 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: Compact CB Radio Base, Mic w/Radio Controls and Display, 4-Foot Microphone Extension Cable, Quick-Release Mounting Tray w/Hardware, Mic Hanger w/Hardware, Quick-Disconnect Wiring Harness, Owner's Manual and FCC Rules

Uniden

40-CHANNEL CB RADIO
PART NUMBER: PC68LTX
FEATURES: 40 Channel CB Radio w/ Chrome Front Panel • Public Address • Automatic Noise Limiter / Noise Blanker • Analog S/RF Meter • RF Gain Control • Mic Gain Control • Extra-long Mic Cord • PA/CB Switch • Instant Channel 9 • DC Power Cord • Classic styled handheld Mic w/ 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 • 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
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
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 - 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, 29WXNWBT, 29LTDCHR, 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 • 7 Watts

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
ALL-IN-ONE WIRELESS BLUETOOTH® HEADSET AND CB MICROPHONE SYSTEM
PART NUMBER: **CA-BTCB4**
FEATURES: One-touch Multifunction Buttons to Answer and End Calls, Voice Dial, Auto Redial the last number and put calls on hold to use CB • Volume Control •10 Hours of Talk Time • Includes USB and 12V Charging cords • Adjustable Boom Mic can be worn on either ear • Compatible w/ All 4-pin CB Radios • Filters out Engine, Road and other Background Noises

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

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

Cobra®

NOISE-CANCELLING 4-PIN CB 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

Everhardt™
"Quality Crafted 'Tiger' Products"

HANGER BRACKET FOR CB RADIO
PART NUMBER: EV402
FEATURES: Black Steel Finish • Adjusts from 1-inch to 8-inch Wide

Cobra®

HIGHGEAR® EXTENSION CB 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

HAMMERHEAD INDUSTRIES

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

HAMMERHEAD INDUSTRIES

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

Everhardt™
"Quality Crafted 'Tiger' Products"

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

Everhardt™
"Quality Crafted 'Tiger' Products"

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

PANA·PACIFIC

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

PANA·PACIFIC

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

PANA·PACIFIC

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

PANA·PACIFIC

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

Everhardt™
"Quality Crafted 'Tiger' Products"

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

Everhardt™
"Quality Crafted 'Tiger' Products"

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

NAVIGATION / GPS

RAND M℃NALLY

TND™ 750 - 7" GPS NAVIGATION SIXTH-GENERATION TND TRUCK GPS BUILT TO FIT THE NEEDS OF PROFESSIONAL DRIVERS.
PART NUMBER: **0528400126**
FEATURES: With all new hardware, TND 750 is built for life on the road. A stronger magnetic mount keeps the device secure, while enhanced thermal resistance keeps the device protected. Powered by a hexa-core processor, the TND 750 offers quicker responses with silky-smooth graphics. Also, the device offers faster over-the-air updates and connections with improved Wi-Fi and Bluetooth capabilities. **TRUCK ROUTING REDESIGNED:** TND 750 is fueled by Rand Navigation 2.0, the all-new, advanced routing software. Featuring comprehensive map displays with 3-D structure views, updated traffic, crowd-sourced POI reviews, and up-to-date fuel prices, Rand Navigation 2.0 provides an enhanced user experience in a fresh, new look. **Real Time Traffic:** Avoid delays with real-time traffic and construction updates and view traffic patterns by time/day of the week — even in rural areas. **Dynamic Weather Overlays:** Display the current forecast across your route with in-depth weather overlays that show precipitation, temperature, and wind speed. **3D Buildings and Landmarks:** Drivers can follow detailed routes consisting of 3-D renderings of nearby buildings and landmarks. **Current Fuel Prices:** Display gas station locations and current fuel prices along the route. **Mileage and Fuel Logs:** Track fuel purchases and mileage to calculate fuel economy. **On-screen Alerts:** Set warnings for speed limit changes, sharp curves, and more. **A CLEAN, MODERN INTERFACE:** A refreshed interface with new icons in bright, high-contrasting colors improves at-a-glance readability. TND 750's 7-inch, high-resolution screen displays crystal-clear images. **DRIVER TOOLS:** TND 750 is equipped with the tools drivers need to get the job done. Routing is truck-specific, based on truck and trailer size and load type. The business of trucking is simplified mileage and fuel logs, and productivity can be monitored with an easy-to-view Virtual Dashboard. And, the TND 750 can be paired with a Rand McNally ELD using the pre-loaded DriverConnect app for compliant HOS-logging.

GARMIN.

GARMIN DEZL™ OTR700 7" GPS TRUCK NAVIGATOR
PART NUMBER: **010-02313-00**
FEATURES: The dēzl OTR700 is an easy to read 7" navigator that gives professional truck drivers a clear view of the road ahead by offering custom truck routing. Drivers simply enter their vehicle's profile (height, weight, length, width and hazardous materials) to find truck-preferred routes best suited for the vehicle and load. Drivers can select popular truck routes used by other truckers. Alerts will sound both audibly and visually to notify drivers of upcoming sharp curves, speed changes, railroad crossings, steep grades, and more. Locate preferred truck stops with the preloaded directory of Truck & Trailer services, and use filters and keywords to display stop locations by key criteria. An integrated voice assistant responds to spoken requests, so drivers can keep their hands on the wheel and eyes focused on the road. Preloaded street maps are available for all of North America and built in Wi-Fi® makes it easy to keep maps and software up to date without using a computer. On-screen cues show when new map updates are available. When paired with a smartphone that has the Garmin Drive app downloaded, the OTR700 can display live traffic, weather, real-time fuel prices, and CCTV traffic cameras where available. Additionally, when paired with the Garmin Drive app, text messages and other notifications received on the smartphone will display for drivers on the OTR700 screen. TripAdvisor® traveler ratings for hotels, restaurants and attractions can be accessed along the route or near the destination. Preloaded Foursquare® content makes it easy to find millions of new and popular places. Compatible with Garmin eLog™ compliant ELD, wireless backup camera, and dash camera. Key features: Dimensions: 6.97" W x 4.17" H x 0.75" D • Weight: 8.5oz • Integrated battery lasts up to 2 hours • 16GB internal storage/memory • 1024 x 600 pixel display with 6.95" super wide-view IPS, color TFT, with on-cell capacitive touchscreen • Custom truck routing with intuitive alerts • Truck parking options along the route • Truck & trailer services directory for identifying key POIs such as rest stops with showers or fueling stations • Convenient voice assistant • Hands free calling using Bluetooth® connectivity to a mobile phone • Local loading zone and storage lot guidance • Kit includes: dēzl OTR700, suction cup mount, power cable, USB cable, and user guide

SATELLITE RADIO ANTENNAS

((SiriusXM))

FAKRA FEMALE TO SMB MALE CONNECTOR
PART NUMBER: **3622-ZA**
FEATURES: Satellite radio adapter allows the use of portable satellite radio antennas with SMB connector to connect to the APTIV radios that have integrated SiriusXM satellite radio tuners

CLOSE-UP OF CONNECTORS

((SiriusXM))

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

((SiriusXM))

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 FARKA female connector • Low profile for easy mounting, adhesive tape included • Extension cable sold separately

APPROVED
((SiriusXM))
ACCESSORY

((SiriusXM))

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 with a FAKRA plastic housing for attachment to the radio • Includes: Mounting clamp and Self-locking nut

APPROVED
((SiriusXM))
ACCESSORY

((SiriusXM))

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

APPROVED
((SiriusXM))
ACCESSORY

((SiriusXM))

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

((SiriusXM))

INTEROPERABLE MIRROR-MOUNT SATELLITE RADIO ANTENNA WITH DELPHI RADIO CONNECTOR
PART NUMBER: **SRTMM-02**
FEATURES: Interoperable (certified for use with 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 Delphi radios • Durable, light weight and sleek

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 so you can focus on the best part — listening. Easy-to-read, large high-resolution display • View artist or show name, song or program title and content or channel information • Store up to 10 of your favorite channels • View what's playing on your favorite channels in split-screen mode • Two Display Options — white text on black background or black text on white background • Create your own music channel that's a blend of your selected channels with TuneMix™ • Easily lock and unlock channels with mature content • One-Touch Jump™ to the previous channel to which you were listening • 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.

((SiriusXM))

ONYX EZR SATELLITE RADIO WITH VEHICLE KIT
PART NUMBER: SXEZR1V1KC
FEATURES: The Onyx EZR makes satellite radio simple to install, use and enjoy so you can focus on the best part — listening.

(FOR CANADA)

Easy-to-read, large high-resolution display • View artist or show name, song or program title and content or channel information • Store up to 10 of your favorite channels • View what's playing on your favorite channels in split-screen mode • Two Display Options — white text on black background or black text on white background • Create your own music channel that's a blend of your selected channels with TuneMix™ • Easily lock and unlock channels with mature content • One-Touch Jump™ to the previous channel to which you were listening • 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.

((SiriusXM))

SIRIUSXM COMMANDER TOUCH™ VEHICLE RADIO
WHILE SUPPLIES LAST
PART NUMBER: SXVCT1
PRODUCT FEATURES: Enjoy SiriusXM through your vehicle's in-dash audio system* with controls on the color touchscreen display • Compact touchscreen controller mounts directly to your dash, and the tuner hides discreetly behind the dash for a fully integrated look with no/minimal visible wires • Full-color display with album art, artist name, song title, channel logos and program information • Pause, Rewind and Replay live Satellite Radio • Automatically start songs from the beginning on your favorite channels with TuneStart™ • Use TuneMix™ to hear a mix of songs from your favorite channels • Keep moving with the most current updates using Traffic & Weather Now™ • Connects to any radio with either an AUX input or FM connection • Can be updated by a USB flash drive (not included) to add new features and capabilities as they become available • Professional installation recommended for best results • Includes: Touchscreen Display Controller, Hideaway Tuner Module, Flush kit & Mounting Hardware, Vehicle Antenna, Power Harness, AUX Audio Output Cable, FM Direct Adapter (FMDA25) and Quick Start Guide *Requires FM radio. If your vehicle has an Auxiliary Input, use the included AUX Audio Cable for best performance. Will also work with cassette adapter (sold separately).
**Access to SiriusXM Xtra Channels depends on subscription package. SiriusXM subscriptions are sold separately and are continuous until you call to cancel.

((SiriusXM))

SIRIUSXM CONNECT TUNER + SATELLITE RADIO ANTENNA
PART NUMBER: SXV300
FEATURES: Connect, control and enjoy SiriusXM though 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

((SiriusXM))

SIRIUSXM CONNECT TUNER
PART NUMBER: SXV300B
FEATURES: Connect, control and enjoy SiriusXM though 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

5V SAT RADIO CIGARETTE LIGHTER POWER ADAPTER
PART NUMBER: PP805434
FEATURES: 5V 1A USB Car Charger • 6' USB-A Cable • Compatible w/all plug-n-play SAT receivers - 3rd gen forward

((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))**

SIRIUSXM OFFERS DISCOUNTED SUBSCRIPTION RATES FOR FLEETS.

- MONTHLY SUBSCRIPTIONS DISCOUNTED UP TO 55%
- SIMPLIFIED FLEET BILLING WITH BUSINESS TERMS
- FLEET PAY OR DRIVER PAY SOLUTIONS
- FLEET ONLINE MANAGEMENT TOOL

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/CDR/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

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

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/YPbPr • 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

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

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

TELEVISION MOUNTS

MOVIEW 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 accomodate 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

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

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.

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

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

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 temp)

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 - for enhanced cooling performance, durability and corrosion resistance • 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 temp).

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 elctro-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

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 P3 CASCADIA[3]	**PP607089**	**N/A**
FREIGHTLINER P4 CASCADIA[4]	**PP607364**	**PP607373**
PETERBILT	**PP603193**	**PP603192**
PETERBILT 579[5]	**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[4]	**PP607345**	**PP607368**
FREIGHTLINER P4 CASCADIA[6]	**PP607189**	**PP607369**
FREIGHTLINER P4 CASCADIA[7]	**PP607198**	**PP607370**
PETERBILT 389 / 386 / 379[8]	**PP603203**	**PP603198**
	CD-50	**CD-50**
PETERBILT 579	**PP607050**	**PP607045**
KENWORTH T680 / T880	**PP607051**	**PP607028**
FREIGHTLINER P4 CASCADIA[4]	**PP607365**	**PP607373**

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**	**PP607373**
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[3]	**PP607337**	**PP607374**
FREIGHTLINER P4 CASCADIA[5]	**PP607240**	**PP607276**
FREIGHTLINER P4 CASCADIA[6]	**PP607241**	**PP607277**
PETERBILT 389 / 386 / 379[7]	**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 P3 Cascadia - Install kit ONLY for replacement of factory installed refrigerator A22-64783-001 with cabinet Data Code: 64E-006.*

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

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

[6] Freightliner P4/ New Cascadia - 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 - 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 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.

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.*

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[3] Freightliner P4/ New Cascadia 60" or 72" sleeper - Install kit ONLY for P4/ New Cascadia trucks equipped with 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 72" sleeper - 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 72" sleeper - 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 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 than 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

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: **40-065-06PT**
Optional Shelf Cover for the Egg Box Shelf (part # 40-065-05AB)

▽ITRIFRIGO
COOL AND BEYOND

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

VARIATOR SPEED CONTROL CIRCUIT BOARD
FOR VF51, VF51NAV & VF62
PART NUMBER: **R101021.1K**

D35-HD2 COMPRESSOR FOR VF51, VF51NAV & VF62
PART NUMBER: **R101123.K**

D35F-HD2 COMPRESSOR ELECTRONIC MODULE
FOR VF51, VF51NAV & VF62
PART NUMBER: **R101124**

FINNED PACK CONDENSER WITH BRACKET FOR VF51,
VF51NAV & VF62
PART NUMBER: **R10215.KPP**

EVAPORATOR FOR VF51, VF51NAV & VF62
PART NUMBER: **R103021**

12VCC CONDENSING UNIT FAN FOR VF51,
VF51NAV & VF62
PART NUMBER: **R10400**

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

THERMOSTAT KIT FOR VF51 & VF51NAV
PART NUMBER: **R105008.K**

THERMOSTAT KNOB FOR VF51, VF51NAV & VF62
PART NUMBER: **R10563.1K**

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

'AIRLOCK' DOOR LATCH FOR VF51, VF51NAV & VF62
PART NUMBER: **R111082**

KIT - RIGHT & LEFT TOP HINGES FOR VF51,
VF51NAV & VF62
PART NUMBER: **R111083.K**

▽ITRIFRIGO
COOL AND BEYOND

DRAWER SEPARATOR FOR VF51DW
PART NUMBER: **R111211**

DRAIN PAN FOR VF51, VF51NAV & VF62
PART NUMBER: **R11270.1P**

KIT - DRAIN PAN + FREEZER DOOR FOR VF51,
VF51NAV & VF62
PART NUMBER: **R11270.C1**

INTERIOR WIRE SHELF FOR VF51 & VF51NAV
PART NUMBER: **R11773**

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

HINGES COVER FOR VF51 & VF51NAV
PART NUMBER: **R121474**

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

HINGES COVER FOR VF1DW
PART NUMBER: **R121516**

KIT - BOTTOM HINGE + DOOR SUPPORT
FOR VF51, VF51NAV & VF62
PART NUMBER: **R12461.K**
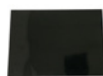
KIT - BLACK LAMINATED FRONTAL PANEL (5 PIECES)
FOR VF51 & VF51NAV
PART NUMBER: **R12966.1LK**
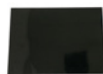
KIT - BLACK LAMINATED FRONTAL PANEL (5 PIECES)
FOR VF62
PART NUMBER: **R12983.LK**

COMPLETE DOOR + DRAWER FOR VF51DW
PART NUMBER: **R501.3018**

COMPLETE DOOR (RIGHT OPENING) FOR
VF51 & VF51NAV
PART NUMBER: **R501.305.2BP**

COMPLETE DOOR (LEFT OPENING) FOR
VF51 & VF51NAV
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 & VF51NAV
PART NUMBER: **R501.423**

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

LOAD DUMP CIRCUIT BOARD FOR VF51, VF51NAV & VF62
PART NUMBER: **R502.0035**

KIT - INTERNAL LED LIGHT FOR VF51, VF51NAV & VF62
PART NUMBER: **R502.1008L.C**

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

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

FIREBOY - XINTEX

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

FIREBOY - XINTEX

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

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.

MULITPLE 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)
- Includes 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 <u>TWO</u> SENSORS)
PART NUMBER: **S2B-M-X2-DISPLAY**
FEATURES: Deutsch Connectors • 12 / 24 VDC • Square Bezel Dims: 2 ⅝ inches (76 mm) • Includes remote alarm horn • Made in the USA

FIREBOY - XINTEX

BLACK SQUARE BEZEL GAS DETECTOR DISPLAY MONITOR (FOR <u>THREE</u> SENSORS)
PART NUMBER: **S2B-M-X3-DISPLAY**
FEATURES: Deutsch Connectors • 12 / 24 VDC • Square Bezel Dims: 2 ⅝ 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

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
MS-3CABLE10	10-foot Connector Cable Sensor AM
MS-3CABLE15	15-foot Connector Cable Sensor AM
MS-3CABLE20	20-foot Connector Cable Sensor AM
MS-3CABLE25	25-foot Connector Cable Sensor AM
MS-3CABLE30	30-foot Connector Cable Sensor AM
MS-3CABLE35	35-foot Connector Cable Sensor AM
MS-3CABLE40	40-foot Connector Cable Sensor AM
MS-3CABLE45	45-foot Connector Cable Sensor AM
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, .25lL/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, .25lL/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 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 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 Test Kits (Part Number: 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

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

80 AMPS ONBOARD INTELLIGENT BATTERY CHARGER/CONVERTER
PART NUMBER: IBC80
FEATURES: Continuous charging power: 80A • 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: 14.9A • DC inputs: Receptacles • Unit Dimensions: 11.5" x 9.0" x 3.6" • Can be linked to Tundra Power Inverters

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

TUNDRA *SINCE 1995*

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 posititve poles • Also Available in 3 feet (CM703) and 5 feet (CM705) versions (special orders)

POWER INVERTERS

Cobra®

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

Cobra®

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

Cobra®

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

Cobra®

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 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 • cETL certified • Includes: (4) 48" #4 AWG power cables, terminal protector boots and quick start guide

Cobra®

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

TUNDRA *SINCE 1995*

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"

TUNDRA *SINCE 1995*

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"

TUNDRA *SINCE 1995*

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"

TUNDRA *SINCE 1995*

1500W MODIFIED SINE WAVE POWER INVERTER WITH BATTERY OPTIMIZATION TECHNOLOGY
PART NUMBER: **M1500**
FEATURES: 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 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 • 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"

2000W MODIFIED SINE WAVE POWER INVERTER WITH BATTERY OPTIMIZATION TECHNOLOGY
PART NUMBER: M2000

FEATURES: 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 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 • Operating temperatures -30° to 131° F • Liquid Crystal Display • DC inputs - Blocks for 3/8" terminals • Unit dimensions: 17.1" x 7.1" x 3.3"

2500W MODIFIED SINE WAVE POWER INVERTER WITH BOT
PART NUMBER: M2500

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 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"

3000W MODIFIED SINE WAVE POWER INVERTER WITH BOT
PART NUMBER: M3000

FEATURES: 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"

2500W MODIFIED SINE WAVE POWER INVERTER WITH BOT - 24 VOLT
PART NUMBER: M2524

FEATURES: 2500W Continuous output power 5000W 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 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"

3000W MODIFIED SINE WAVE POWER INVERTER WITH BOT - 24 VOLT
PART NUMBER: M3024

FEATURES: 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 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 temp -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"

TUNDRA

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"

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"

2500W PURE SINE WAVE POWER INVERTER WITH BATTERY OPTIMIZATION TECHNOLOGY - 24 VOLTS
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"

3000W PURE SINE WAVE POWER INVERTER WITH BATTERY OPTIMIZATION TECHNOLOGY - 24 VOLTS
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 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"

TRIPP-LITE
POWER PROTECTION

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.

1000W POWERVERTER ULTRA-COMPACT INVERTER - PORTABLE POWER
PART NUMBER: PV1000HF

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 1000 watts of 120V AC power to 3 AC outlets from any 12V battery. Includes a set of DC terminals for simple installation. Compact, lightweight metal case design is among the smallest, most rugged inverters available at this power level

1800W POWERVERTER ULTRA-COMPACT INVERTER - PORTABLE POWER
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

POWERVERTER ULTRA-COMPACT INVERTER - PORTABLE POWER
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 AVAILALBE FOR ORDERING AND SHIPPING CONVENIENCE.

VALUE BUNDLE
1500W MODIFIED SINE WAVE POWER INVERTER WITH BATTERY OPTIMIZATION TECHNOLOGY
PLUS
1500W TRUCK APPROVED POWER INVERTER INSTALLATION KIT
PART NUMBER: M1500B
FEATURES: Bundle includes: one M1500 - Tundra 1500 Watts Continuous output power - 3000 Watts Peak output Power Inverter (see complete product details listed on page 32) and one CM1512 - Tundra 1500W Truck Approved Power Inverter Installation Kit (see complete product details listed in right column on this page)

VALUE BUNDLE
2000W MODIFIED SINE WAVE POWER INVERTER WITH BATTERY OPTIMIZATION TECHNOLOGY
PLUS
2000W TRUCK APPROVED POWER INVERTER INSTALLATION KIT
PART NUMBER: M2000B
FEATURES: Bundle Includes: one M2000 - Tundra 2000 Watts Continuous output power - 4000 Watts Peak output Power Inverter (see complete product details on page 33) and one CM2012 - Tundra 2000W Truck Approved Power Inverter Installation Kit (see complete product details on page 36)

VALUE BUNDLE
2500W MODIFIED SINE WAVE POWER INVERTER WITH BATTERY OPTIMIZATION TECHNOLOGY
PLUS
2500W TRUCK APPROVED POWER INVERTER INSTALLATION KIT
PART NUMBER: M2500B
FEATURES: Bundle Includes: one M2500 - Tundra 2500 Watts Continuous output power - 5000 Watts Peak output Power Inverter (see complete product details on page 33) and one CM2512 - Tundra 2500W Truck Approved Power Inverter Installation Kit (see complete product details on page 36)

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)

TUNDRA

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)

TUNDRA

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)

TUNDRA

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)

Cobra®

REMOTE ON/OFF SWITCH FOR COBRA POWER INVERTERS
PART NUMBER: **CPIA20**
FEATURES: Remote Control for use with CPI1575, and CPI2575. The Remote On/Off Switch allows you to turn on or off Cobra power inverters from a convenient location - up to 20 feet (6 m) away - while the inverter is mounted out of reach and sight. **WHILE SUPPLIES LAST**

Cobra®

PRO CABLE INSTALLATION KIT
FOR 1500W TO 3000W 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

Cobra®

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**

Cobra®

REMOTE ON/OFF CONTROLLER WITH FAST CHARGE USB
PART NUMBER: **CPIALCDG1**
FEATURES: Use to remotely turn off a Cobra 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 quick start guide

TUNDRA

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

TUNDRA

Fuse Holder for Tundra Fuse
PART NUMBER: **FB500**

POWER OUTLETS (120 V) - IN-CAB USE

TUNDRA SINCE 1995

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

TUNDRA SINCE 1995

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

TUNDRA SINCE 1995

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

TUNDRA SINCE 1995

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

TUNDRA SINCE 1995

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
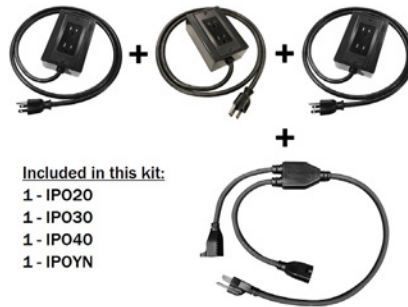
TUNDRA SINCE 1995

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

Included in this kit:
1 - IPO20
1 - IPO30
1 - IPO40
1 - 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 • 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**
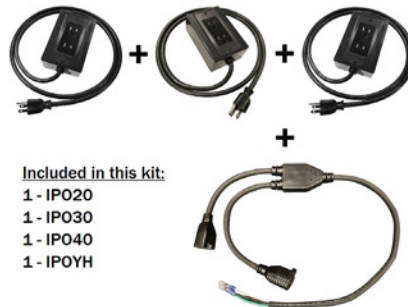
TUNDRA SINCE 1995

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

Included in this kit:
1 - IPO20
1 - IPO30
1 - IPO40
1 - 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 • 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**

ULTRACAPACITORS - ENGINE START MODULE

Maxwell TECHNOLOGIES
Enabling Energy's Future™

ULTRACAPACITOR
ENGINE START MODULE
HEAVY-DUTY (CLASS 7 - 8)
PART NUMBER: **ULTRA 31/1800**
FEATURES: Starts your truck every time • Weighs only 21 pounds • Operates reliably from -40° F to 140° F • Eliminates costs associated with dead or drained batteries • Reduces the need for idling to maintain battery voltage • Easy to install - just like a standard Group 31 battery • Recharges in just 15 minutes or less • Extends the life of lead acid batteries • 4 year warranty

PRODUCT SPECIFICATIONS:

Voltage:	Input Voltage (B+) 10-18 V
	Output Voltage (Max) 16.2 V
Peak Power:	32.8 kW
Cold Cranking Amps:	1800 CCA (3 second crank)
Recharge Time:	20 minutes (recharge from battery at 10 amps)
Dimensions:	BCI Group 31
	13" L x 6 13/16" W x 9 7/16" H
Terminals:	SAE Type A post / 3/8" threaded
Environmental:	Designed for heavy-duty truck battery box environments

VEHICLE MAGNETIC MOUNTS FOR MOBILE DEVICES•

MOB ARMOR

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 90lb 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
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 MAGNETIC
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 MAGNETIC 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

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

MAGNETS MAY INTERFERE WITH QI WIRELESS CHARGING.

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 PRO 90 DOUBLE MAGNET MOUNT
PART NUMBER: **MOBN-PRO-BLK**
FEATURES: The MobNetic Pro 90 is a double magnet mount • Instant docking for cell phone or other devices with effortless pan and 90 degree tilt adjustment • Includes: MobNetic Pro 90, Mounting Discs and Device Mounting Plate

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 • 90lb 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
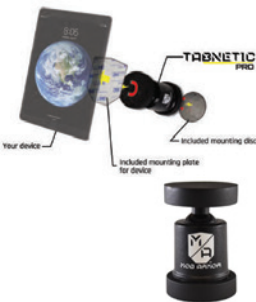
MOB ARMOR TABNETIC - MAGNETIC TABLET MOUNT
PART NUMBER: **TABN-PRO**
FEATURES: A Neodymium rare-earth magnetic mounting base for mounting onto any ferrous metal surface • Easy-adjust ball housing that tilts up to 90° and rotates 360° to ensure best viewing angle • Includes a 65mm steel mounting disc 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° and rotates 360° to ensure the best viewing angle • Includes (2) 65mm steel mounting discs for mounting

MOB ARMOR TAB MOUNT COMBO
PART NUMBER: **TAB-Y-COMBO**
FEATURES: Kit includes Tab Mount Magnetic (part number TAB-Y-MAG) and two mounting options: a clamp for mounting to 1.5" - 2" tubes and a 75mm VESA mounting plate for flat surfaces with hardware

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

VEHICLE MAGNETIC MOUNT ACCESSORIES

MOB ARMOR GECKO MINI ACCESSORY
PART NUMBER: **G-MINI-BK**
FEATURES: The Gecko Mini is named for its size and functionality. Equipped with three suction cups with extreme grip to any smooth surface and a steel plate to allow a perfect mounting base for magnetic mounts.

MOB ARMOR GRIP COMBO
PART NUMBER: **GRIP-COMBO**
FEATURES: The Grip Combo is Mob Armor's solution to EXTREME tablet mounting. The Grip Combo is topped with the Mob Armor Quick Release Mechanism (M.A.Q.R.M) and features an easy-adjust ball housing that tilts up to 90° and rotates 360° so you can always get the best viewing angle. There are two mounting options included with the Grip Combo - the tube clamp mounting option clamps to tubes sized from 1.5" to 2.0" and the mounting plate option allows for permanent flat panel mounting. Includes VESA Plate to pair the Grip Combo with any T-Series Enclosure.

MOB ARMOR SWITCH MARBALL ACCESSORY
PART NUMBER: **MARBALL-ACC**
FEATURES: The MarBall accessory is perfect for adapting the Mob Mount Magnetic phone cradle to other brands' 1" ball-socket mounting system. Included in the accessory pack are two fasteners and a 1/16" hex wrench to secure the attachment bracket to a Mob Mount Magnetic phone cradle.

MOB ARMOR BRAIDED 3-FOOT CHARGING CABLES (LIGHTNING & USB-C TO USB-A)
PART NUMBER: **MOB-CBL-LGHTNG**
PART NUMBER: **MOB-CBL-USBC**
FEATURES: Lightning **or** USB-C to USB-A Qualcomm Quick Charge 3.0 compatible for power and syncing • Ultra-thin and flexible 1-meter long cord designed for any position or setting • Maximum durability from PVC sheath and anodized aluminum connectors • Heavy-duty PVC/PE insulation allows 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: Two 38mm steel magnetic phone mounts for mounting to non-ferrous surfaces

MOBNETIC PLATES - (TWO PACK)
PART NUMBER: **MOB-PL-ACC**
FEATURES: Two device plates for mounting mobile device to MobNetic or other magnetic phone mount

SWITCH MAGNET ACCESSORY
PART NUMBER: **MOB2-ACC**
FEATURES: Use with Mob Mount to convert to a magnetic smartphone mounting device • Effortless pan & tilt adjustment from the ball housing • Includes 2 Mob Discs, 2 fasteners and a 1/16th hex wrench to secure the bracket to your Mob Mount Switch Cradle

TABNETIC MOUNTING DISCS - (TWO PACK)
PART NUMBER: **TABN-MD-ACC**
FEATURES: Two 65mm steel mounting discs for use with Tabnetic products

TABNETIC PLATES - (TWO PACK)
PART NUMBER: **TABN-PL-ACC**
FEATURES: Two 70mm mounting plates for use with TabNetic products

VEHICLE MOUNTS FOR MOBILE DEVICES

COMPUTER / LAPTOP MOUNTS & ACCESSORIES

RAM MOUNTS MADE IN USA

UNIVERSAL NO-DRILL™ LAPTOP MOUNT FOR FREIGHTLINER, INTERNATIONAL, KENWORTH, MACK, PETERBILT AND VOLVO TRUCKS
PART NUMBER: **RAM-VB-168-SW1**
FEATURES: High strength construction to hold your laptop tight under the most adverse conditions • Slides under the seat of nearly all heavy-duty trucks • Made in the USA • Lifetime Warranty

RAM MOUNTS MADE IN USA

RAM LAPTOP POWER SUPPLY CADDY
PART NUMBER: **RAM-234-5U**
FEATURES: Storage for your power supply, thumb drive(s) and other various computer items to be contained alongside your laptop • Made in the USA • Lifetime Warranty

RAM MOUNTS MADE IN USA

RAM DOUBLE SWING ARM LOCKING KIT
PART NUMBER: **RAM-234-LK1U**
FEATURES: One of the best theft deterrents available to keep your laptop where it belongs, with you • Using the keyed locking knobs, this system operates easily and does not detract from the overall versatility of a RAM Laptop Mount. The three locking knobs allow you to disengage the screwing of the swing arm knobs found on the top of the tele-pole, swing arm joint and laptop tray connection • Three locking knobs w/keys included • Made in the USA • Lifetime Warranty

RAM MOUNTS MADE IN USA

RAM FLEXIBLE USB POWERED TRAVEL LIGHT
PART NUMBER: **RAM-234-LU**
FEATURES: Travel light consists of a flexible 11.5" long arm and a 2" long pointed globe light • This is the perfect solution for hard to see situations encountered in your vehicle • Made in the USA • Lifetime Warranty

RAM MOUNTS MADE IN USA

RAM ADJUSTABLE LAPTOP SCREEN SUPPORT ARM
PART NUMBER: **RAM-234-S2U**
FEATURES: Screen support arm with spring loaded keeper affords additional support to your laptop screen through numerous viewing angles • Prevent laptop screen breakage • Made in the USA • Lifetime Warranty

RAM MOUNTS MADE IN USA

RAM SECURE-N-MOTION™ LAPTOP TRAY SECURITY KIT
PART NUMBER: **RAM-234-SNMU**
FEATURES: The Secure-N-Motion™ security package easily integrated into a RAM Laptop Mount to lock the spring loaded tray into place • The Secure-N-Motion™ holds your laptop tight even under the most adverse conditions. Using the keyed locking knob and slim restraining arms, operation is simple, easy and extremely secure • Made in the USA • Lifetime Warranty

TELEMATIC DEVICE MOUNTS & ACCESSORIES

RAM MOUNTS MADE IN USA

UNIVERSAL NO-DRILL™ PEDESTAL TELEMATICS MOUNT FOR FREIGHTLINER, INTERNATIONAL, KENWORTH, MACK, PETERBILT AND VOLVO TRUCKS
PART NUMBER: **RAM-VB-168-RO1**
FEATURES: High strength construction to hold your device tight under adverse conditions • Slides under the passenger seat • Use w/ all Omnitracs (IVG, MCP50, 100, 110, 200), PeopleNet Driver Terminal Display Kit, PeopleNet Blu & Zonar® 2020 tablet dock • Includes two 6" swing arms to place monitor at almost any viewing angle • Additional swing arms can be added as well as locking systems (Part No. RAM-234-LK1U) • Made in the USA • Lifetime Warranty

RAM MOUNTS MADE IN USA

DRILL DOWN PEDESTAL TELEMATICS MOUNT FOR FREIGHTLINER, INTERNATIONAL, KENWORTH, MACK, PETERBILT AND VOLVO TRUCKS
PART NUMBER: **RAM-VBD-122-NT**
FEATURES: High strength construction to hold your telematics device tight under adverse conditions • Use w/ all Omnitracs (IVG, MCP50, 100, 110, 200), PeopleNet Driver Terminal Display Kit, PeopleNet Blu and Zonar® 2020 tablet dock • Includes two 6" swing arms to place monitor at almost any viewing angle • Additional swing arms can be added as well as locking systems (Part No. RAM-234-LK1U) • Made in the USA • Lifetime Warranty

RAM MOUNTS MADE IN USA

RAM TELEMATICS DASH (1.5" BALL) MOUNT
PART NUMBER: RAM-101U

FEATURES: Socket arm and two 2.5" diameter round bases that contain the universal AMPS hole pattern. This mount is designed with a 1.5" 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. The hole pattern found on the round base adapter will connect to many RAM cradles, including all iPads • Heavy-duty dash mount for telematics • Use with all Omnitracs (IVG, MCP50, 100, 110, 200), PeopleNet Driver Terminal Display Kit and PeopleNet Blu, Rand McNally TND760 and TND765 (RAM Cradle for Rand McNally required), and Zonar® 2020 tablet dock • Mounts off the dash • Utilize RAM backing plate and locking knob for security as needed • Made in the USA • Lifetime Warranty

RAM MOUNTS MADE IN USA

RAM TELEMATICS DASH (1" BALL) MOUNT
PART NUMBER: RAM-B-101U

FEATURES: Socket arm and two 2.5" diameter round bases that contain the universal AMPS hole pattern. The 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. The hole pattern found on the round base adapter will connect to many RAM cradles, including all iPads • Medium-duty solution for telematics • Use with all Omnitracs (IVG, MCP50, 100, 110, 200), PeopleNet Driver Terminal Display Kit, Rand McNally TND760 and TND765 (RAM Cradle for Rand McNally required) • Longer Arm Available - Part No. RAM-B-201U-C is compatible • Utilize RAM backing plate and locking knob for security as needed • Made in the USA • Lifetime Warranty

RAM MOUNTS MADE IN USA

RAM 6" SINGLE SWING ARM EXTENSION
PART NUMBER: RAM-VB-109-3U

FEATURES: Use with RAM-VBD-122NT and/or RAM-VB-168-RO1 for extra extension • Made in the USA Lifetime Warranty

RAM MOUNTS MADE IN USA

RAM UNIVERSAL NO-DRILL™ RAM POD HD VEHICLE MOUNT W/ DOUBLE SOCKET ARM & 2.5" ROUND BASE
PART NUMBER: RAM-316-HD-202U

FEATURES: Socket arm & two 2.5" diameter round bases that contain the universal AMPS hole pattern. This mount is designed with a 1.5" diameter patented rubber ball & socket system that has adjustment points at both ends of the double socket arm; allowing for almost infinite adjustment and perfect viewing angles. The hole pattern found on the round base adapter will connect to many RAM cradles, including all iPads • Heavy-duty dash mount for telematics • Use with all Omnitracs (IVG, MCP50, 100, 110, 200), PeopleNet Driver Terminal Display Kit and PeopleNet Blu, Rand McNally TND760 and TND765 (RAM Cradle for Rand McNally required), and Zonar® 2020 tablet dock • Mounts off the dash • Utilize RAM backing plate & locking knob for security as needed • Made in the USA • Lifetime Warranty

RAM MOUNTS MADE IN USA

RAM MIXED COMBINATION PIN-LOCK™ SECURITY KNOB AND KEY KNOB FOR 1" DIAMETER B SIZE ARMS
PART NUMBER: RAP-S-KNOB3U

FEATURES: Use with RAM-VBD-122NT and/or RAM-VB-168-RO1 (for extra extension) • Made in the USA • Lifetime Warranty

UNIQUE MOUNT ACCESSORIES

RAM MOUNTS MADE IN USA

RAM SEAT TOUGH-WEDGE™ ACCESSORY W/ 1" BALL BASE AND EXPANSION POUCH
PART NUMBER: RAM-B-407-PUMPU

FEATURES: The Tough-Wedge™ is a mount that fits in the gap between the vehicle seat and center console. This allows for easy access and operation of a mobile device. The included diamond adapter contains the industry standard AMPS hole pattern that allows attachment to a variety of RAM mounts • Made in the USA • 3 Year Warranty

RAM MOUNTS MADE IN USA

RAM SNAP-CON™ GDS TO MICRO USB 2.0 ADAPTOR
PART NUMBER: RAM-GDS-AD1U

FEATURES: The Snap-Con™ GDS® to Micro USB 2.0 Adaptor is an essential accessory for any IntelliSkin™ or other GDS® compatible device. This accessory enables on the go charging and data connectivity of any GDS® compatible device, including devices wrapped in IntelliSkin™, using a standard Micro USB 2.0 cable. The Snap-Con™ adaptor is perfect for charging and connecting your GDS® enabled device in airports, at home or anywhere there is not access to a GDS® compatible docking station • Made in the USA • 3 Year Warranty

RAM MOUNTS MADE IN USA

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

CAB CONVENIENCE

VEHICLE MOUNTS FOR MOBILE DEVICES

CELL PHONE AND PHABLET MOUNTS

RAM MOUNTS
MADE IN USA

RAM MOUNT PRODUCTS ARE CONSTRUCTED WITH HIGH STRENGTH COMPOSITE AND HAVE A LIFETIME WARRANTY

BUILDING A CUSTOMIZED VEHICLE MOUNT FOR A CELL PHONE OR PHABLET WITH RAM MOUNTS COMPONENTS IS QUICK AND AS EASY AS: **GRIP** + **ARM** + **BASE**.

GRIPS

CELL PHONE

RAM® UNIVERSAL X GRIP™ CELL PHONE HOLDER
PART NUMBER: **RAM-HOL-UN7BU**
Minimum Width = 1.875"
Maximum Width = 3.25" Depth = 0.875"

PHABLET

RAM® UNIVERSAL X GRIP™ PHABLET HOLDER
PART NUMBER: **RAM-HOL-UN10BU**
Minimum Width = 1.75"
Maximum Width = 4.5" Depth = 0.875"

ARMS

STANDARD

RAM® STANDARD DOUBLE SOCKET ARM
PART NUMBER: **RAM-B-201U**
FEATURES: Provides an ideal overall length of 3.73" and a socket-to-socket length of 3" • Single spring inside the arm opens the end sockets, to pivot the ball and socket connections • Compatible with B size RAM® ball/socket • Weight capacity: 2 lbs.

LONG

RAM® LONG DOUBLE SOCKET ARM
PART NUMBER: **RAM-B-201U-C**
FEATURES: Provides an extended reach with an overall length of 6" and a socket-to-socket length of 5.31" • Single spring inside the arm opens the end sockets, to pivot the ball and socket connections • Compatible with B size RAM® ball/socket • Weight capacity: 2 lbs.

BASES

SUCTION CUP

RAM® TWIST-LOCK™ SUCTION CUP BASE WITH BALL
PART NUMBER: **RAM-B-224-1U**
FEATURES: Ideal mounting base for vehicle windshields and other nonporous surfaces • Compatible with B size RAM® double socket arms • Suction size - 3.3" in diameter • Assembly hardware included • Weight capacity: 2 lbs.

DOUBLE SUCTION CUP

RAM® TWIST-LOCK™ DUAL SUCTION CUP BASE WITH BALL
PART NUMBER: **RAM-B-189B-202U**
FEATURES: Designed to have extra strong hold on any smooth non-porous surface, but for best results, mount the suction cups on a glass or non-porous plastic surface • Consists of two 3.3" twist lock suction cup bases that connect to a powdercoated metal plate and a B size 1" ball is included • Total width 7.95" • Assembly hardware included • Weight capacity: 2 lbs.

CUP HOLDER

RAM® STUBBY™ CUP HOLDER BALL BASE
PART NUMBER: **RAP-B-299-4U**
FEATURES: Portable, low-profile mounting base that features flexible support fins which can be trimmed to size • Compatible w/ B size RAM® double socket arms • Overall height: 4.9" • Weight capacity: 2 lbs. • Fits cup holders with inside diameter of 2.5" to 3.5"

DRILL BASE

RAM® BACKING PLATE ADAPTER
PART NUMBER: **RAM-202-225BU**
FEATURES: 3" x 3" steel backer plate with 10-24 threaded holes attaches to a variety of RAM® mounts ball bases • Hole pattern: 4-hole AMPS: 1.181" x 1.496" | 1.5" x 2" • Includes (4) #101024 x 1" thread locking screws and (4) #10-24 zinc-plated nylock nuts

BACKING PLATE ADAPTER REQUIRES BALL MOUNT BASE
PART NUMBER: **RAM-B-202U**

RAM® PORTABLE FRICTION DASHBOARD BASE
PART NUMBER: **RAP-279C**
FEATURES: Works with any suction cup mount bracket • Securely holds mobile devices to a vehicle dashboard • Overall size: 6.5" x 1.25" x 6.5" • Inner mounting plate is 3.5" in diameter **NOTE:** Two (2) dashboard bases would be required for part number: **RAM-B-189B-202U** (above)

7" - 8" AND 10" TABLET MOUNTS

BUILDING A CUSTOMIZED VEHICLE MOUNT FOR A TABLET WITH RAM MOUNTS COMPONENTS IS QUICK AND AS EASY AS: **GRIP** + **ARM** + **BASE**.

RAM MOUNTS MADE IN USA

RAM MOUNT PRODUCTS ARE CONSTRUCTED WITH HIGH STRENGTH COMPOSITE AND HAVE A LIFETIME WARRANTY

GRIPS

7"- 8" TABLET

UNIVERSAL X GRIP™
7"- 8" TABLET HOLDER
PART NUMBER: **RAM-HOL-UN8BU**
Minimum Width = 2.25″
Maximum Width = 5.75″ Depth = 0.875″

10" TABLET

UNIVERSAL X GRIP™
10" TABLET HOLDER
PART NUMBER: **RAM-HOL-UN9U**
Minimum Width = 6.25″
Maximum Width = 8.1″ Depth = 0.875″

10" X GRIP™ TABLET HOLDER REQUIRES BALL MOUNT BASE
PART NUMBER: **RAM-B-202U**

ARMS

STANDARD

RAM® STANDARD DOUBLE SOCKET ARM
PART NUMBER: **RAM-B-201U**
FEATURES: Provides an ideal overall length of 3.73" and a socket-to-socket length of 3" • Single spring inside the arm opens the end sockets, to pivot the ball and socket connections • Compatible with B size RAM® ball/socket • Weight capacity: 2 lbs.

LONG

RAM® LONG DOUBLE SOCKET ARM
PART NUMBER: **RAM-B-201U-C**
FEATURES: Provides an extended reach with an overall length of 6" and a socket-to-socket length of 5.31"• Single spring inside the arm opens the end sockets, to pivot the ball and socket connections • Compatible with B size RAM® ball/socket • Weight capacity: 2 lbs.

BASES

SUCTION CUP

RAM® TWIST-LOCK™ SUCTION CUP BASE WITH BALL
PART NUMBER: **RAM-B-224-1U**
FEATURES: Ideal mounting base for vehicle windshields and other nonporous surfaces • Compatible with B size RAM® double socket arms • Suction size - 3.3″ in diameter • Assembly hardware included • Weight capacity: 2 lbs.

CUP HOLDER

RAM® STUBBY™ CUP HOLDER BALL BASE
PART NUMBER: **RAP-B-299-4U**
FEATURES: Portable, low-profile mounting base that features flexible support fins which can be trimmed to size • Compatible w/ B size RAM® double socket arms • Overall height: 4.9" • Weight capacity: 2 lbs. • Fits cup holders with inside diameter of 2.5" to 3.5"

DOUBLE SUCTION CUP

RAM® TWIST-LOCK™ DUAL SUCTION CUP BASE WITH BALL
PART NUMBER: **RAM-B-189B-202U**
FEATURES: Designed to have extra strong hold on any smooth non-porous surface, but for best results, mount the suction cups on a glass or non-porous plastic surface • Consists of two 3.3" twist lock suction cup bases that connect to a powdercoated metal plate and a B size 1" ball is included • Total width 7.95" • Assembly hardware included • Weight capacity: 2 lbs.

DRILL BASE

RAM® BACKING PLATE ADAPTER
PART NUMBER: **RAM-202-225BU**
FEATURES: 3″ x 3″ steel backer plate with 10-24 threaded holes attaches to a variety of RAM® mounts ball bases • Hole pattern: 4-hole AMPS: 1.181" x 1.496" | 1.5" x 2" • Includes (4) #101024 x 1" thread locking screws and (4) #10-24 zinc-plated nylock nuts

BACKING PLATE ADAPTER REQUIRES BALL MOUNT BASE
PART NUMBER: **RAM-B-202U**

RAM® PORTABLE FRICTION DASHBOARD BASE
PART NUMBER: **RAP-279C**
FEATURES: Works with any suction cup mount bracket • Securely holds mobile devices to a vehicle dashboard • Overall size: 6.5" x 1.25" x 6.5" • Inner mounting plate is 3.5" in diameter **NOTE:** Two (2) dashboard bases would be required for part number: **RAM-B-189B-202U** (above)
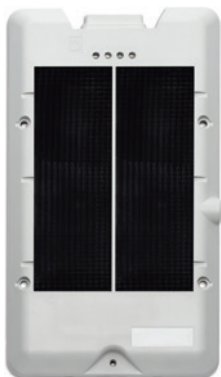
ASSET TRACKING

SkyBitz

SKYBITZ ASSET TRACKING SOLUTION WITH RECHARGEABLE BATTERY
PART NUMBER: GXT3002
FEATURES: The GXT3002 is a custom built cellular, remote data collection device that provides accurate pin-point location information of assets and cargo status. Reporting options include arrival and departure times, idle durations, mileage driven, accurate locations, SkyFence Adherence and Security Alerts, door open or closed via Door Sensor, tire pressure status via Tire Sensor, tractor hookup, and start/stop monitoring. In-transit visibility helps companies better support just-in-time logistics and increases customer satisfaction and trust by demonstrating continuous control of assets. Fleet dispatch optimization reduces capital expenses for asset purchases and leases, reduces fuel and staffing costs, and ensures optimal operating conditions and efficiency. Remote monitoring & control reduces equipment costs, improves maintenance planning, and limits liabilities for cargo spoilage and pre-empt operational failures. Key Features: constant monitoring of asset location and status provides enhanced security • seamless LTE Network Coverage across North America (US, Canada and Mexico) • power efficient – operates on rechargeable batteries and can be tethered to a power source such as a tractor 7-way • device battery lasts between 90-120 days when not connected to power, with no replacement of batteries required • all components self-contained in a durable and compact, low-profile design • quick installation and field verification • Dimensions: 9"L x 3.5"W x 2"H • Weight: 1.25 lbs

SkyBitz

SKYBITZ SOLAR-POWERED ASSET TRACKING SOLUTION
PART NUMBER: GXT5002
FEATURES: The GXT5002 is a custom built cellular, remote data collection device that provides accurate pin-point location information of assets and cargo status. Reporting options include arrival and departure times, idle durations, mileage driven, accurate locations, SkyFence Adherence and Security Alerts, door open or closed via Door Sensor, tire pressure status via Tire Sensor, tractor hookup, and start/stop monitoring. In-transit visibility helps companies better support just-in-time logistics and increases customer satisfaction and trust by demonstrating continuous control of assets. Fleet dispatch optimization reduces capital expenses for asset purchases and leases, reduces fuel and staffing costs, and ensures optimal operating conditions and efficiency. Remote monitoring & control reduces equipment costs, improves maintenance planning, and limits liabilities for cargo spoilage and pre-empt operational failures. Key Features: constant monitoring of asset location and status provides enhanced security • seamless LTE Network Coverage across North America (US, Canada and Mexico) • efficiently powered by solar energy • Device battery lasts between 60-90 days between solar panel recharge with no replacement of batteries required • all components self-contained in a durable and compact, low-profile design • quick installation and field verification with no wiring required • Dimensions: 11"L x 6.5"W x 1"H • Weight: 1.68 lbs

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.

CLOSE-UP OF CONNECTORS
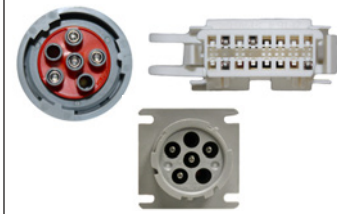
GEOTAB
management by measurement

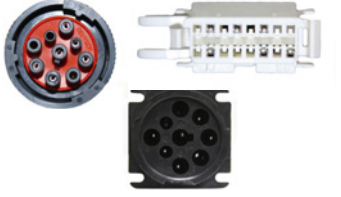**GEOTAB Y- HARNESS, DEUTSCH 6-PIN/OBDII**
PART NUMBER: PP207074
FEATURES: 610mm long. Compatible with all Geotab GO9 devices. This harness provides a secure connection between vehicles with a 6-pin engine diagnostic port and the Geotab's OBDII port. The harness has an additional 6-pin port available 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.

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
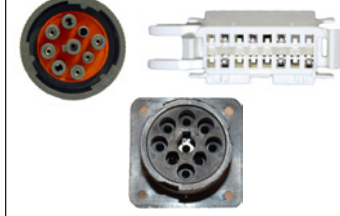
GEOTAB
management by measurement

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

GEOTAB
management by measurement

CLOSE-UP OF CONNECTORS

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

CLOSE-UP OF CONNECTORS

GEOTAB 3-WIRE HARNESS
PART NUMBER: **HRN-CW03S3**
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.

GEOTAB
management by measurement

GEOTAB RP1226 HARNESS
PART NUMBER: **HRN-CS14S21**
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
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.

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

CLOSE-UP OF CONNECTORS

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 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 Hardware Guide

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

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

US: **PP807062**
CANADA: **PP807127**
Omnitracs IVG Kit, with black 9-pin Y-cable engine harness (Cable Only Part Number: 45-JE133-1A)

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 Nmber: 45-JE139-1A)

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)

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)

US: **PP807064**
CANADA: **PP807132**
Omnitracs IVG Kit, with grey 6-pin Y-cable engine harness (Cable Only Part Number: 45-JE132-1A)

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)

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)

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)

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)

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)

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)

QUICK TIP

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

ONMITRACS IVG CABLE PART NUMBERS

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

45-JE142-1A: Omnitracs IVG engine harness, with RP1226 Y-cable for specific Freightliner and Western Star applications
45-JE158-1A: Omnitracs 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	2005 & older	All	6-pin	PP807064	PP807132	45-JE132-1A
Freightliner	2006 - 2015	All	9-pin	PP807062	PP807127	45-JE133-1A
Freightliner P4 Cascadia	2016 +	All	9-pin Type II (green) & Splice Pack	PP807102	PP807129	45-JE139-1A
Freightliner P3, P4, M2 & SD	2016 +	All	RP1226	PP807146	PP807151	45-JE142-1A
Kenworth	2005 & older	All	6-pin	PP807064	PP807132	45-JE132-1A
Kenworth	2005 -2009	All	9-pin	PP807062	PP807127	45-JE133-1A
Kenworth	2010 - 2015	All	9-pin w/ adapter	PP807066	PP807130	45-JE134-1A
Kenworth	2016 +	All	9-pin Type II (green)	PP807078	PP807131	45-JE136-1A
Kenworth	Oct. 2018 +	All	RP1226	PP807145	PP807150	45-JE141-1A
Peterbilt	2005 & older	All	6-pin	PP807064	PP807132	45-JE132-1A
Peterbilt	2006 - 2009	All	9-pin	PP807062	PP807127	45-JE133-1A
Peterbilt	2010 - 2015	All	9-pin w/ adapter	PP807066	PP807130	45-JE134-1A
Peterbilt	2016 +	All	9-pin Type II (green)	PP807078	PP807131	45-JE136-1A
Peterbilt	Oct. 2018 +	All	RP1226	PP807145	PP807150	45-JE141-1A
International	2006 & older	Cummins	6-pin	PP807064	PP807132	45-JE132-1A
International	2006 - 2015	Cummins	9-pin	PP807062	PP807127	45-JE133-1A
International	2005 & older	CAT	6-pin	PP807064	PP807132	45-JE132-1A
International	2005 - 2015	CAT	9-pin	PP807062	PP807127	45-JE133-1A
International	2016 +	All	9-pin Type II (green)	PP807063	PP807128	45-JE137-1A
International	May 2017 +	All	RP1226 (if spec'd)	PP807147	PP807152	45-JE158-1A
Volvo	2000 & older	Volvo	6-pin	PP807064	PP807132	45-JE132-1A
Volvo	2001 - 2013	Volvo	9-pin	PP807062	PP807127	45-JE133-1A
Volvo	2013 +	Volvo	OBDII (16-pin)	PP807065	PP807133	45-JE135-1A
Volvo	June 2018 +	Volvo	RP1226	PP807144	PP807149	45-JE140-1A
Volvo	2006 - 2016	Cummins	9-pin	PP807062	PP807127	45-JE133-1A
Volvo	2016 +	Cummins	9-pin Type II (green)	PP807063	PP807128	45-JE137-1A
Volvo	June 2018 +	Cummins	RP1226	PP807144	PP807149	45-JE140-1A
Mack	2000 & older	Volvo	6-pin	PP807064	PP807132	45-JE132-1A
Mack	2001 - 2014	Volvo	9-pin	PP807062	PP807127	45-JE133-1A
Mack	2014 +	Volvo	OBDII (16-pin)	PP807065	PP807133	45-JE135-1A
Mack	June 2018 +	Volvo	RP1226	PP807144	PP807149	45-JE140-1A
Mack	2006 - 2016	Cummins	9-pin	PP807062	PP807127	45-JE133-1A
Mack	2016 +	Cummins	9-pin Type II (green)	PP807063	PP807128	45-JE137-1A
Mack	June 2018 +	Cummins	RP1226	PP807144	PP807149	45-JE140-1A
Western Star	2010 - 2015	All	9-pin	PP807062	PP807127	45-JE133-1A
Western Star	2015 & newer	All	9-pin Type II (green)	PP807063	PP807128	45-JE137-1A
Western Star	2019 +	All	RP1226	PP807146	PP807151	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 RP1226 CABLE
PART NUMBER: M-010-0699-KIT

TRIMBLE DUO KIT WITH VOLVO/MACK INSTALL KIT
PART NUMBER: M-010-0650-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 KIT WITH 9-PIN INSTALL KIT
PART NUMBER: M-010-0683-KIT

❖ Trimble

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

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

	7" MONITOR 3 CAMERA INPUTS PART NUMBER: **VBV-770FM** *Plus appropriate length connecting camera cable(s)*	5" MONITOR 3 CAMERA INPUTS PART NUMBER: **VBV-750M** *Plus appropriate length connecting camera cable(s)*
REAR OR FRONT VIEW SELECT CAMERA(S) PART NUMBER: VBV-701C VIEWING ANGLE (HxVxD) 86 x 72 x 122° NTSC	7" MONITOR 3 CAMERA INPUTS PART NUMBER: **VBV-770FM** *Plus appropriate length connecting camera cable(s)*	5" MONITOR 3 CAMERA INPUTS PART NUMBER: **VBV-750M** *Plus appropriate length connecting camera cable(s)*
RIGHT SIDE, LEFT SIDE, REAR OR FRONT VIEW COMPACT FLUSH-MOUNT EYEBALL SELECT CAMERA(S) MIRROR VIEW PART NUMBER: VBV-301C VIEWING ANGLE (HxVxD) 111 x 80 x 153° NTSC LENS SWIVEL ADJUSTMENT 26" (TOP) x 4" (BOTTOM) x 4" (LEFT) x 4" RIGHT)	7" MONITOR 3 CAMERA INPUTS PART NUMBER: **VBV-770FM** *Plus appropriate length connecting camera cable(s)*	5" MONITOR 3 CAMERA INPUTS PART NUMBER: **VBV-750M** *Plus appropriate length connecting camera cable(s)*

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 W/ WATERPROOF REAR VIEW COLOR CMOS CAMERA W/ NIGHT VISION LEDS AND 35' 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 W/ WATERPROOF REAR VIEW COLOR CMOS CAMERA WITH NIGHT VISION LEDS AND 70' 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 W/ WATERPROOF REAR VIEW COLOR CMOS CAMERA WITH NIGHT VISION LEDS - 35' AND 70' 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' 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' 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 RIGHT SIDE VIEW COLOR CMOS CAMERA AND 16' 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 • Right View Camera (Part No. C-SDR-CMOS) 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)

PRO-VIEW
Professional Series

PREMIUM 7" COLOR LCD SYSTEM WITH WATERPROOF REAR VIEW COLOR CMOS CAMERA WITH NIGHT VISION LEDS AND 70' 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 RIGHT SIDE VIEW COLOR CMOS CAMERA AND 16' 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 • Right View Camera (Part No. C-SDR-CMOS) 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)

PRO-VIEW
Professional Series

PREMIUM 7" COLOR LCD SYSTEM WITH TWO CMOS CAMERAS (REAR VIEW AND RIGHT SIDE VIEW) AND 16' & 35' CABLES
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%) • Right View Camera (Part No. C-SDR-CMOS) 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 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, RIGHT SIDE VIEW AND LEFT SIDE VIEW) TWO 16' CABLES AND ONE 35' 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%) • Right View Camera (Part No. C-SDR-CMOS) 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 • Left View Camera (Part No. C-SDL-CMOS) 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 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 RIGHT SIDE VIEW), 16', 35' AND 70' CABLES AND 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%) • Right View Camera (Part No. C-SDR-CMOS) 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 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, RIGHT SIDE VIEW AND LEFT SIDE VIEW), TWO 16' CABLES, ONE 35' CABLE, ONE 70' 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%) • Right View Camera (Part No. C-SDR-CMOS) 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 • Left View Camera (Part No. C-SDL-CMOS) 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 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 Resoutions: 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).

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®

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

BRIGADE®

7-INCH DIGITAL LCD SELECT MONITOR WITH TWO YEAR WARRANTY
PART NUMBER: VBV-770FM
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 • Resolution: 800 x 480 • Contrast ratio: 500:1 • Brightness: 400cd/m² • Viewing angles: Side 70° x Top 50° x Bottom 70°
DURABILITY & STANDARDS: Mechanical vibration: 4G • Mechanical shock: 50G • Operating temperature: -30 to +70°C / -4 to +158°F • CE marked • EMC approved: E

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%)

PRO-VIEW Professional Series

LEFT SIDE VIEW COLOR CMOS CAMERA IN BLACK HOUSING
PART NUMBER: C-SDL-CMOS
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

PRO-VIEW Professional Series

RIGHT SIDE VIEW COLOR CMOS CAMERA IN BLACK HOUSING
PART NUMBER: C-SDR-CMOS
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

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 w/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 68.

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 68.

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 68.

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 1TB HARD DISK RECORDER
PART NUMBER: MDR-504-1000
CONTENTS: Mobile Digital Recorder with 2.5" SATA HDD caddy unit, Wired Mouse, 32GB industrial grade Class 10 SD card, Input / Output Cable, Power Cable, GPS Antenna, USB A to B Cable (3.0), Security Key, and Bracket and Fixings

FEATURES: 9-32Vdc • 4 Camera Inputs - Supports ADH High Definition Cameras • 8 Trigger / Alarm Inputs • Lockable and Interchangeable Hard Drive Unit • Fast, Easily Downloadable recordings and Data • Size (WxHxD) 190 x 75 x 222mm / 7.5 x 3 x 8.7 inches • Mobile Standards: 2G/3G/4G • 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 built-in Mirror Recording onto SD Card • Recording Modes: Normal, Alarm, and Timer (all watermarked) • Audio Function for Additional Event Information • GPS Module for Location Tracking • Configurable Alarm Trigger Settings (Speed, G-force, Motion Detection, Video Loss and Voltage) • Record Images prior to Alarm Activation and After Vehicle Switched Off • MDR-Dashboard (full player) and MDR-Player (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, 2 x Trigger Outputs and 1 x 12V 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 and Backeye® 360 systems • 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 1TB HARD DISK RECORDER
PART NUMBER: MDR-508-1000
CONTENTS: Mobile Digital Recorder with 2.5" SATA HDD caddy unit, Wired Mouse, 64GB industrial grade Class 10 SD card, Input / Output Cable, Power Cable, GPS Antenna, USB A to B Cable (3.0), Security Key, and Bracket and Fixings

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 • Size (WxHxD) 224 x 85 x 221mm / 8.8 x 3.3 x 8.7 inches • Mobile Standards: 2G/3G/4G • 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 built-in Mirror Recording onto 64GB SD Card • Recording Modes: Normal, Alarm, and Timer (all watermarked) • Audio Function for Additional Event Information • GPS Module for Location Tracking • Configurable Alarm Trigger Settings (Speed, G-force, Motion Detection, Video Loss and Voltage) • Record Images prior to Alarm Activation and After Vehicle Switched Off • MDR-Dashboard (full player) and MDR-Player (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, 2 x Trigger Outputs and 1 x 12V 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 and Backeye® 360 systems • 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.

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

omnitracs

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 Omnitracs 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 Omnitracs. 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

TRIMBLE 4 CHANNEL DVR AND FORWARD FACING CAMERA KIT
PART NUMBER: **M-010-0673-KIT**
PRODUCT OVERVIEW: This solution features a forward-facing in-cab camera and the option to add up to 3 additional cameras, enabling video to be captured from all angles of the truck, giving you a 360 degree view around your truck.
CAMERAS: Records 12 High Definition frames per second, for clear viewing • Driver Assist compatible, in-cab video will show on the display to help eliminate blind spots • Customer controlled settings for event-triggered video footage • Real-time system health monitoring and notifications
HIGH DEFINITION DIGITAL VDIEO RECORDER (DVR): 720P high definition • Four SD Card slots to support up to 256 GB of storage • 4G LTE Cellular • Immediately retrieve videos on-demand • Captures up to 10 seconds of video in the event of a power loss

Trimble

TRIMBLE 2 CHANNEL DVR AND FORWARD FACING CAMERA KIT
PART NUMBER: **M-010-0633-KIT**
PRODUCT OVERVIEW: This solution features a forward-facing in-cab camera and the option to add up to 1 additional camera, to accomodate various vehicles in your fleet.
CAMERAS: Records 12 High Definition frames per second, for clear viewing • Driver Assist compatible, in-cab video will show on the display to help eliminate blind spots • Customer controlled settings for event-triggered video footage • Real-time system health monitoring and notifications
HIGH DEFINITION DIGITAL VDIEO RECORDER (DVR): 720P high definition • Two SD Card slots to support up to 128 GB of storage • 4G LTE Cellular • Immediately retrieve videos on-demand • Captures up to 10 seconds of video in the event of a power loss

Trimble

TRIMBLE DRIVER ASSIST KIT
PART NUMBER: **M-010-0705**
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 IN-CAB DRIVER FACING CAMERA KIT
PART NUMBER: **M-010-0693**
PRODUCT OVERVIEW: This kit allows you to keep an eye on what is happening inside the cab while your truck is on the road.
DRIVER FACING CAMERA: 720P high definition • Records 12 High Definition frames per second, for clear viewing • Working temperature: -20° C to +70° C.

Trimble

TRIMBLE TRACTOR REAR FACING CAMERA KIT
PART NUMBER: **M-010-0706**
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. Rear Tractor Camera is compatible with the Trimble Driver Assist Kit (M-010-0705) to enable display of the camera view on an in-cab PeopleNet or Trimble monitor.
TRACTOR REAR FACING CAMERA: 720P high definition • Records 12 frames per second, for high definition viewing • Working temp range: -20° C to +70° C

Trimble

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 is compatible with the Trimble Driver Assist Kit (M-010-0705). Kit Includes:Mounting Kit, Mounting Wedge and High Temp Extension Cable
POD CAMERA: IP69 Certified (Protected from water and dust ingress, extreme temperatures, etc.) • Records 12 frames per second, for clear viewing • Operating Temperature: -40° C to +105° C

Trimble

TRIMBLE MINI CAMERA KIT
PART NUMBER: M-010-0694
PRODUCT OVERVIEW: This kit is to be ordered if you need a replacement camera for your forward-facing camera that came with your Trimble 4 Channel DVR & Forward Facing Camera Kit (M-010-0673-KIT) or Trimble 2 Channel DVR & Forward Facing Camera Kit (M-010-0633-KIT).
Kit Includes: Camera Mount, Camera Extension Cable and 32GB SD Card
MINI CAMERA: 720P high definition • Records 12 frames per second, for high definition viewing • Working temperature range: -20 degrees C to +70 degrees C

Trimble

TRIMBLE VIDEO INTELLIGENCE REAR TRAILER CAMERA KIT
PART NUMBER: M-010-0597
PRODUCT OVERVIEW: This kit includes a single rear facing 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 it's 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 rear view 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 PeopleNet/Trimble display** and appropriate cables***), 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; **PeopleNet PD.5 Display Part Number: M-010-0634; ***Driver Assist Install Kit Part Number: M-010-0705

Trimble

TRIMBLE VIDEO INTELLIGENCE CAB RECEIVER KIT FOR WIRELESS BACK-UP CAMERA
PART NUMBER: M-010-0598
PRODUCT OVERVIEW: This kit includes a tractor receiver with antenna, and a 5-meter extension cable for installing in the cab of the vehicle. 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 it's 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 rear view 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 PeopleNet/Trimble display** and appropriate cables***), 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-010-0597; **PeopleNet PD.5 Display Part Number: M-010-0634; ***Driver Assist Install Kit Part Number: M-010-0705

ZONE DEFENSE

PROVISION DUAL-CHANNEL VIDEO EVENT RECORDER
PART NUMBER: R.AVS.20
PRODUCT OVERVIEW: The ProVision HD Drive Recorder features two cameras with 175° field-of-view and captures video in 1080p High-Definition resolution. One camera faces outward to capture events that occur in front of the vehicle, while the second camera faces internally toward the driver to capture the interior cab view at the time of an incident. Both cameras are enclosed in a single housing, simplifying installation, and enabling unmatched security. The recorder is equipped with a full locking mechanism to protect media on the SD card, cables, and mounting plates. Events are triggered, recorded, and overlaid with location data using an integrated g-force sensor and GPS antenna. Pre- and post-recording enables carriers to capture 30 seconds of footage before and after an event to ensure no crucial detail is missed. Drivers can use the event marker button on the camera to manually record an event. Multiple options are available for accessing recordings: automatic wireless offload allows files to be uploaded when a vehicle comes within range of an establish Wi-Fi network, a manual pull of the SD card can be performed to retrieve video files using the USB SD card reader and a computer, or directly from the camera using a web browser. Kit Includes: HD Drive Recorder unit, adhesive windshield mount, 32GB SD card, USB SD card reader, keys for locking compartment, and power 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™.

BRIGADE®

BACKSENSE® FIXED RADAR OBSTACLE DETECTION SYSTEM WITH TWO YEAR WARRANTY - DETECTION RANGE 6M / 20'
PART NUMBER: **BS-7060**

Backsense® heavy-duty radar sensor systems are designed to detect people and objects in blind spots, significantly reducing accidents. They detect stationary and moving objects, providing the driver with in-cab visual and audible warnings – alerting the operator whose attention cannot be focused on all danger areas. 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. This gives more accurate detection than alternative radar products using Pulsed Radar technology that transmit a burst of radar and then listens for the returning wave. **SYSTEM INCLUDES:** Sensor, Visual and Audible Display, and 9m (29.5') Cable **PRODUCT FEATURES:** 12-24Vdc • Sensor Size (WxHxD) 8.5" x 5" x 1.9" • Maximum Detection Range of 6m / 19.6' - Width 4.5m / 15' • Rugged Design for Harsh Environmental Conditions • IP69K Sensor • Frequency Modulated Continuous Wave (FMCW) Radar Technology • Effectively Detects Stationary, Moving and Multiple Objects • One Activation Input • One Trigger Output • 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 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**
FEATURES: 12-24Vdc • IP68 • Multi-frequency Broadband Sound • Instantly Locatable • Size (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**
FEATURES: 12-24Vdc • IP68 • Multi-frequency 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

MAGNADYNE

12/24V DC, 107DB EXTERNAL REVERSE MOTION WARNING ALARM
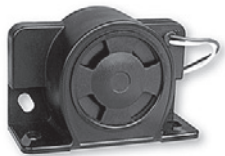PART NUMBER: **BU2000CW-107**
FEATURES: Self Contained • Rugged encasement to withstand harsh environments • Waterproof Design • Conforms to SAE J994 • Output Level - 107 dB • 12-24 VDC Operating Voltage • Reverse Polarity Protection • Distinctive Beep Rate of One Beep Per Second • Activates when back-up 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.

mobileye®
An Intel Company
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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Official Distributor

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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J1708 DataLink
- +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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Official Distributor

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).

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)

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

PRESSUREPRO

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.

PRESSUREPRO

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 MOUNTS — MADE IN USA

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 AMPS 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

PRESSUREPRO

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

PRESSUREPRO

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

PRESSUREPRO

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 TMPS 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		
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.															
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 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 kits.*

Panasonic

AM/FM/MP3/AUX/CD PLAYER WITH
PA MIC, MIC INPUT CABLE AND
PLUG-N-PLAY HARNESS*
PART NUMBER: **PP107121**
PRODUCT FEATURES: CQCM140UA -
MP3/CD Player • Front Aux-In • Sound Quality
EQ • 6 AM/18 FM Presets • Separate Bass,
Treble and Balance Controls • Built-In Quartz
Clock • Maximum Output Power 50 Watts x
4 Channels • Fixed Face • Includes PP604802
mic, mic input cable and plug-n-play wiring
harness for Blue Bird bus applications
*NOTE: Use only in BLUE BIRD buses that have
an Eaton/Carling style rocker switch installed.

CLOSE-UP OF CONNECTORS
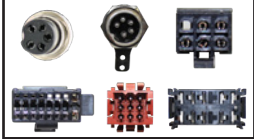
• A P T I V •

AM/FM/WB STEREO WITH PA MIC,
MIC 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 ***NOTE:** Use only in
BLUE BIRD buses that have an Eaton/Carling
style rocker switch installed.

CLOSE-UP OF CONNECTORS

RADIO KITS WITH TOGGLE SWITCH INCLUDED

THESE PA-CAPABLE RADIO KITS INCLUDE A TOGGLE
SWITCH FOR INTERIOR / EXTERIOR PA SPEAKER SELECTION

Panasonic

AM/FM/MP3/AUX/CD PLAYER WITH
PA MIC, MIC INPUT CABLE (WITH
TOGGLE SWITCH) AND PLUG-N-PLAY
HARNESS* - FOR BLUE BIRD BUS
PART NUMBER: **PP107123**
PRODUCT FEATURES:
CQCM140UA - MP3/CD Player • Front
Aux-Input • Sound Quality EQ • 6 AM/18 FM
Presets • Separate Bass, Treble and Balance
Controls • Built-In Quartz Clock • Maximum
Output Power 50 Watts x 4 Channels • Fixed
Face • Includes PP604802 Microphone,
Microphone Input Cable and Plug-n-Play
Wiring Harness with Internal/External
Speaker Switch for Blue Bird bus applications
*NOTE: Use only in BLUE BIRD buses that
use a toggle switch for interior /exterior PA
speaker selection.

CLOSE-UP OF CONNECTORS

• A P T I V •

AM/FM/WB STEREO WITH PA MIC,
MIC 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
*NOTE: Use only in BLUE BIRD buses that
use a toggle switch for interior /exterior PA
speaker selection.

CLOSE-UP OF CONNECTORS

PANA·PACIFIC

ISO ADAPTER HARNESS FOR BLUE
BIRD BUS CHASSIS APPLICATION
PART NUMBER: **PP207201**
PRODUCT FEATURES: Adapter harness
with the Blue Bird Bus vehicle connector to
allow installation of non-PA capable radios
into a Blue Bird bus

CLOSE-UP OF CONNECTORS
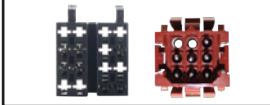
SCHOOL BUS RADIOS / PARTS FOR IC BUS

Panasonic

AM/FM/MP3/CD PLAYER WITH PA MICROPHONE, MICROPHONE INPUT CABLE AND PLUG-N-PLAY HARNESS* - IC BUS
PART NUMBER: PP105170
PRODUCT FEATURES: CQCM140UA - MP3/CD Player • Front Aux-In • Sound Quality EQ • 6 AM/18 FM Presets • Separate Bass, Treble and Balance Controls • Built-In Quartz Clock • Maximum Output Power 50 Watts x 4 Channels• Fixed Face • Includes PP604802 mic, mic input cable and plug-n-play wiring harness with internal/external speaker switch for IC BUS applications ***NOTE:** The PP105170 only works w/ 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.

CLOSE-UP OF CONNECTORS

Panasonic

AM/FM/MP3/CD PLAYER WITH PA ADAPTER PANEL, PA MICROPHONE, MICROPHONE INPUT CABLE AND PLUG-N-PLAY HARNESS* - IC BUS
PART NUMBER: PP105171
PRODUCT FEATURES: CQCM140UA Receiver • MP3/CD Player • Front Aux-In • Sound Quality EQ • 6 AM/18 FM Presets • Separate Bass, Treble and Balance Controls • Built-In Quartz Clock • Maximum Output Power 50 Watts x 4 Channels • Fixed Face • Includes PP604802 mic, PA adapter panel, mic input cable and plug-n-play wiring harness with internal/external speaker wwitch for IC BUS applications ***NOTE:** The PP105171 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.

CLOSE-UP OF CONNECTORS

• A P T I V •

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 ***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.

CLOSE-UP OF CONNECTORS

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 RADIOS / PARTS FOR THOMAS BUILT BUS

Panasonic

AM/FM/MP3/CD PLAYER WITH PA MIC, MIC INPUT CABLE AND PLUG-N-PLAY HARNESS - FOR THOMAS BUILT BUSES
PART NUMBER: PP105326
PRODUCT FEATURES: CQCM140UA - MP3/CD Player • Front Aux-In • 6 AM/18 FM Preset Buttons • Separate Bass, Treble, and Balance Controls • Built-In Quartz Clock • Sound Quality SQ Function - select the sound type (Flat, Rock, Pop or Vocal) • Maximum Output Power: 50 Watts x 4 Channels • Fixed Face • Includes PP604802 Mic, Mic input cable and plug-n-play wiring harness for Thomas Built Buses application

CLOSE-UP OF CONNECTORS

THOMAS BUILT MODEL C2 BUSES BUILT (APPROXIMATELY) AFTER MAY 2016 USE J1939-CAPABLE RADIOS TO COMMUNICATE WITH DASH DISPLAYS AND OTHER FEATURES IN THE BUS. THESE BUSES WILL BE BUILT WITH ONE OF THE FOLLOWING OPTION CODES AFTER THE CORRESPONDING PRODUCTION DATE:

- **D106902000** (RADIO - AM/FM DEA510 W/PAGE) 1ST START **05/21/2016**

- **D106902001** (RADIO - AM/FM DEA510) 1ST START **05/31/2016**
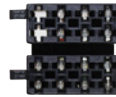
INSTRUMENT PANEL HARNESSES ON THESE BUSES WILL HAVE THE ISO-DIN RADIO CONNECTOR AND DO NOT REQUIRE A PLUG-N-PLAY HARNESS - DIRECT CONNECT.

• A P T I V •

AM/FM/WB STEREO - FOR THOMAS BUILT C2 BUSES
PART NUMBER: PP107267
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) **NOTE:** Microphone and microphone input cable sold separately or as a kit - Part Number PP107268)

• A P T I V •

AM/FM/WB STEREO WITH PA MIC, MIC 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

• A P T I V •

AM/FM/WB STEREO WITH PA MIC, AND MIC INPUT CABLE - FOR THOMAS BUILT C2 BUSES
PART NUMBER: PP107268
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 and mic input cable

CLOSE-UP OF CONNECTORS

PANA-PACIFIC

ANTENNA ADAPTER FOR FORD 2009 -
FOR THOMAS BUILT BUSES
PART NUMBER: **CR-6**

PANA-PACIFIC

RADIO MOUNTING KIT FOR FORD
2008 - FOR THOMAS BUILT BUSES
PART NUMBER: **FMK538**
PRODUCT FEATURES: Radio mounting kit
for Ford 2008

PANA-PACIFIC

RADIO INSTALL KIT FOR GM 2008
AND LATER - FOR THOMAS
BUILT BUSES
PART NUMBER: **GMK317**
PRODUCT FEATURES: Radio install kit
for GM 2008 & later

PANA-PACIFIC

MICROPHONE INPUT CABLE -
FOR THOMAS BUILT BUSES
PART NUMBER: **PP204435**
PRODUCT FEATURES: 36" long cable
• Microphone to PA circuit board • For
PANASONIC PA-capable radios ONLY

PANA-PACIFIC

EXTENSION CABLE FOR MIDBODY
MICROPHONE - FOR THOMAS
BUILT BUSES
PART NUMBER: **PP204437**
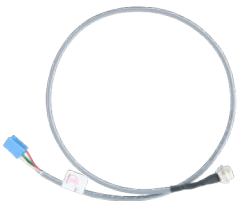
PANA-PACIFIC

MICROPHONE INPUT CABLE -
FOR THOMAS BUILT BUSES
PART NUMBER: **PP207053**
PRODUCT FEATURES: 36" long cable
• Microphone to PA circuit board • For
DELPHI PA-capable radios ONLY
NOTE: This harness paired with a
PP604802 or PP602992 can be used to
add PA functionality to an existing DELPHI
radio in Thomas Built C2 buses built
approx. after May 2016 with option code
D106902000 or D1069020021.

PANA-PACIFIC

PA MICROPHONE -
FOR THOMAS BUILT BUSES
PART NUMBER: **PP602992**
PRODUCT FEATURES: Rotary Volume
Control • PA Compatible • Includes
Microphone Clip • 5 Pin

PANA-PACIFIC

PA AMPLIFIER - FOR THOMAS
BUILT BUSES
PART NUMBER: **PP604377**
PRODUCT FEATURES: Includes a single
DIN mount • Front and rear microphone
inputs • Can take the place of a stereo

PANA-PACIFIC

CLOSE-UP OF CONNECTOR

EXTERNAL SPEAKER HORN -
FOR THOMAS BUILT BUSES
PART NUMBER: **PP304343**
PRODUCT FEATURES: 8" Round • Black
• 8 OHM Metri-Pack 150 Sealed Connector

PANA-PACIFIC

EXTERNAL SPEAKER HORN -
\FOR THOMAS BUILT BUSES
PART NUMBER: **PP304438**
PRODUCT FEATURES: 8" Round • Black •
8 OHM Metri-Pack 150 Unsealed Connector

CLOSE-UP OF CONNECTOR

SCHOOL BUS UNIVERSAL REPLACEMENT PART

PANA-PACIFIC

PA MICROPHONE
PART NUMBER: **PP604802**
PRODUCT FEATURES: Rotary Volume
Control • PA Compatible • 5 pin

- 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) PP202148 (16-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

TRUCK RADIO APPLICATION GUIDE

TRUCK MODEL AND YEAR	RADIO CHASSIS	HARNESS 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

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.
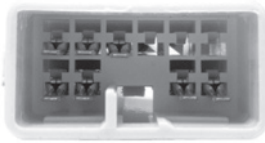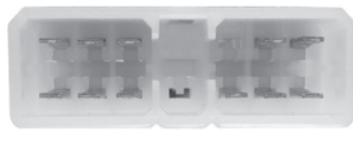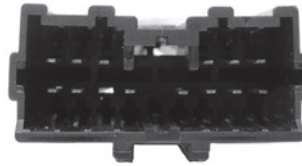
10 pin Connector	13 pin Connector	14 pin Connector	16 pin Connector

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

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	

REPLACE A FIRST GENERATION SMARTNAV® OR NAVPLUS® SYSTEM WITH AN APTIV RADIO

Peterbilt   **KENWORTH**

- 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					

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

FEATURE	COBRA 19DX IV	25LTD	25NW	29LTDBT	29LTD	29NW		75WXST	29PLX/29LX	29LX MAX	
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	

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	CPI400PSW	CPI500W	CPI1500W	CPI2500W	CPI3000W	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																
(Add the Wattage)																
Microwave	1000															
19" Color TV	160															
12" Fan	250															
Total:	1410				●	●			●	●					●	●

PART NUMBER INDEX

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