

# 2026



**SUCCESS  
REQUIRES THE  
RIGHT PARTS**



CONSTRUCTION  
MINING  
MATERIAL HANDLING  
ROAD MAINTENANCE

PUBLIC SAFETY  
MUNICIPALITIES  
FORESTRY  
AGRICULTURE

# Brigade Electronics - Providing fleet safety for 50 years



## Samsara Integration Multiplexer

Add individual side and rear cameras or the 360° Backeye View system with a simple multiplexer.



## Camera with Human Form Recognition AI

Recognizes and alerts the driver to people in the front and/or rear blind spot.



## Backeye® 360 AI

360° 4-camera system provides the driver with a top down view of the vehicle's surroundings. Available with or without AI.



## Mobile Recorder

Captures vehicle data and video footage from up to 12 vehicle mounted cameras.



## Collision Warning Radar

Fixed and programmable detection zone to alert drivers to stationary and moving objects.



## Connected Services

Full video telematics and GPS tracking for incident recreation. Integrates with Geotab for full telematics.



# Brigade

You're safer with us

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**PROPOSITION 65 WARNINGS:** California's Safe Drinking Water and Toxic Enforcement Act of 1986, commonly referred to as "Proposition 65" or "Prop 65" is a "right to know" law that requires companies to provide warnings if a product can expose individuals to a chemical known to the State of California to cause cancer or reproductive harm. There are more than 850 chemicals on the Proposition 65 list of such chemicals. A complete list of chemicals can be found at <https://oehha.ca.gov/proposition-65/proposition-65-list>. Under the new warning regulations, manufacturers have a duty to ensure that "clear and reasonable" warnings are communicated to consumers. Warnings must be prominently placed on products to ensure that the warnings are likely to be read and understood by customers purchasing the products. Warnings provided from the manufacturer such as the following will frequently appear in the catalog as well as on the product label:

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

 **WARNING:** This product can expose you to chemicals including Cumene, which is known to the State of California to cause cancer and Methacrylate, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

You will see numerous warnings in the catalog. This is the most up-to-date information we have at the time of print. To see if a warning exists on any product, please contact your sales rep.

Please refer to the OEHHA Proposition 65 warning website for more information [www.P65Warnings.ca.gov/proposition-65](http://www.P65Warnings.ca.gov/proposition-65)



# NEW PRODUCTS



## See What's New In This Issue!

**NOCO**

Noco  
Air Compressor  
+ Jumpstarter  
Pg. 6



**Pollak**

Pollak  
Defender DC  
Contactor- Pg. 114

**ECCO**

Ecco K7000B-AI  
7" LCD AI Camera  
System - Pg. 93



Vision X  
DURA GEN2 Series  
Works Lights - Pg. 52

ServiceMate Class 3  
Fork Lift Warning Beacons  
Pg. 74

Uni-Bond 48"  
Amber/White LED  
Light Bar - Pg. 67



ServiceMate Class 1  
Warning Beacons  
Pg. 72

Pollak Master  
Disconnect Switches  
Pg. 110

Vision X Tremor Series  
Mining Class LED  
Works Lights - Pg. 53



Uni-Bond 3/4" LED  
Marker Lights  
Pg. 33



Uni-Bond 8-Gang  
Rocker Switch  
Panel Kit - Pg. 67



Ecco Wireless  
Rechargeable  
Class 2 Beacon  
Pg. 126



J.W. SPEAKER  
Kill Zone Red Line  
Warning Light  
Pg. 76



**Grote**  
BriteZone  
Goose Neck LED  
Work Light  
Pg. 59



**Grote**  
Grote OEM  
Deutsch Terminal  
& Connector Kit  
Pg. 14

**WHELEN**



Whelen Perimeter  
Enhancement Light  
Pg. 46



Uni-Bond LED  
Flood-Spot Combo  
Work Light - Pg. 44



**Grote**  
Grote Deutsch  
& Weather Pack  
Tool Kit - Pg. 14



Uni-Bond  
Heavy Duty LED  
Work Light - Pg. 48



## DURACELL® INTENSE® BATTERIES

for HIGH DRAIN Devices

- Specifically engineered to deliver precise pulses of energy while lasting longer in high-drain professional devices (high drain devices typically have motors, pumps or mechanism that drives a motion as an output)



Part #	Size	Carton Quantity
PX1500	AA	24 Batteries
PX2400	AAA	24 Batteries
PX1604	9V	12 Batteries
PX1400	C	12 Batteries
PX1300	D	12 Batteries

\*\*Sold by the carton

## DURACELL® PROCELL® BATTERIES

for GENERAL Purpose

- Economically packaged in bulk for professional applications
- 7-year guarantee in storage



Part #	Size	Carton Quantity
PC1500TC24	AA	24 Batteries
PC2400TC24	AAA	24 Batteries
PC1604TC12	9V	12 Batteries
PC1400	C	12 Batteries
PC1300	D	12 Batteries

\*\*Sold by the carton

## PELICAN™ 1970 LED PEN FLASHLIGHT

- 139 lumens
- Slim and Tough Design
- Full / Momentary Activation Tail Swith
- Integrated Clip
- Aluminum core and ABS overmolded plastic
- 2 AAA Alkaline Batteries (included)
- 5.75" Length
- Run Time: 4 Hours, 15 Minutes



#1970



Slimmest and  
Brightest Penlight  
in the Industry

## PELICAN™ 2310 HIGH PERFORMANCE LED FLASHLIGHT

- Up to 350 lumens and 27 hours of runtime
- 134 meters of beam distance
- Light Modes: High / Low
- Lumens: 350 High / 25 Low
- Full / Momentary Activation Tail Swith
- Integrated Clip
- 6.22" Length
- Built Pelican Tough
- 2 AA Alkaline Batteries (included)

- Ingress Protected IPX8 Submersible
- Run Time: High - 2 Hours, 15 Minutes; Low - 27 Hours



#2310



## PELICAN™ 7600 TACTICAL LED FLASHLIGHT

- USB Lithium Ion Rechargeable Battery (Included)
- Clear, Red, & Green LED colors
- Selectable high, strobe, medium and low Modes (choose from 5 different programs to personalize these modes)
- Full Time Battery Level Indication
- Type III hard anodized finish
- Ingress Protected IPX8 Submersible
- Unconditional Lifetime Guarantee of Excellence



#7600



This product may contain chemicals, including Diisobutyl Phthalate (DINP), which is known to the state of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## PELICAN™ 2760 LED HEADLAMP *Multi-Beam functionality at your fingertips*

- Built Pelican Tough
- Hands-free design
- Night vision friendly
- Comfortable cloth strap
- Full-time battery level indicator included
- 3 AAA Alkaline Batteries (included)

- Light Modes: High, Medium, Low, Downcast, Flashing and Night Vision Red LED
- IPX4
- Lumens:  
High - 289 lumens  
Medium - 156 lumens  
Low - 97 lumens  
Downcast - 42 lumens

#2760



## GO POWER! 10 WATT ECO SOLAR KIT

High-efficiency solar panels with tempered glass to withstand hail or light debris

- 10 watt solar kit to trickle charge your batteries
- 23' cable with built-in fuse
- 10 year limited solar panel output power warranty
- Rated Power: 10 Watt
- Max Power Voltage: 17.5 V
- Max Power Current: 0.57 A
- Open Circuit Voltage: 21 V
- Short Circuit Current: 0.62 A
- Cell Type: Mono-crystalline
- Max System Voltage: 600 VDC
- Dimensions: 13.19" x 9.25" x 0.98"
- All mounting hardware and solar cables included



Great For Vehicles Sitting On Lots

#GP-ECO-10

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## NOCO BOOST® MAX™

### COMMERCIAL-GRADE PORTABLE LITHIUM JUMP STARTERS

- Jump starts almost every type of vehicle & equipment, including semi-trucks (up to class 8), motor homes, coaches, buses, mining, agricultural, construction, and vocational equipment - 6, 8, 12, & 16 cylinder.
- Ultra Safe 2.0 mistake-proof design features spark-proof technology and reverse polarity protection.
- For Lead Acid Battery Systems.
- Starts the vehicle within 60 seconds.
- Rapid Recharge from 0-100% 4X faster.
- 1 Year Limited Warranty.

- Charge devices - with two built-in 2.1A USB ports, you can power multiple devices at the same time, such as smartphones, tablets, action cameras, wireless headphones, wearables and more.
- GB250+ & GB251+ Specs - 12V XGC (input/output): 12V @ 5A / 12V @ 15A, 600 lumens LED flashlight, 8.5 hour recharge time, 12.4" L x 6.1" W x 3.7" H, Includes 56W XGC power adapter, 12V 2-Ft. XGC cable and protective case.
- GB500+ Specs - 12V XGC (input/output): 12V @ 5A / 12.8V @ 15A, 2200 lumens LED flashlight, 6-8 hour recharge time, 12.3" L x 8.2" W x 6.3" H, Includes Boost MAX 24-inch 2/0 AWG Connector, 56W XGC power adapter, 12V female & male plugs, 12V 2-Ft. XGC cable and protective case.



### #GB250+

#### BOOST MAX 12V / 5250A

Up to 16.0L + Gas & Diesel Engine

Internal 242 Watt-Hour Lithium-Ion Battery



Per Manufacturer  
Units Need To Be Fully  
Charged Prior To  
First Time Use



### #GB251+

#### BOOST MAX 24V / 3000A

Up to 32.0L + Gas & Diesel Engines

Internal 133 Watt-Hour Lithium-Ion Battery



### #GB500+

#### BOOST MAX 12V/24V / 6250A

Up to 45.0L + Gas & Diesel Engines

Internal 266 Watt-Hour Lithium-Ion Battery

**WARNING:** This product can expose you to chemicals including lead and exhaust fumes, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## NOCO BOOST® AIR ALL IN ONE LITHIUM POWERED AIR COMPRESSOR + JUMPSTARTER

- Extreme jump starting power - 2000 amps - for fast and powerful engine starts for up to 8.0-liter gasoline and 6.0-liter diesel engines.
- Inflate 205-265 R16 tires astonishingly fast in 2 minutes. A pressure sensor and smart tech pause inflation at the set pressure and shut it off for precise accuracy.
- Designed for rugged environments with rubberized port covers and anti-vibration feet for uncompromising operation - zero movement.
- Battery Types: 12V Lead Acid Batteries.
- 8.45" L x 5.47" W x 3.92" D
- Includes: Integrated 3-Foot Braided Inflation Hose, HD Precision Battery Clamps, 18" USB-C to USB-C Cable, Needle, Presta Valve and Inflatable Toy Adapters, and Storage Bag.

NEW



One Year Limited  
Warranty

Inflate Flat Tires  
Start Dead Batteries

### #AX65

#### JUMPSTARTER 12V / 2000A

8.0L Gas & 6.0L Diesel Engine

#### AIR COMPRESSOR 12V / 22A

100 psi Max Pressure

**WARNING:** This product can expose you to chemicals including lead and exhaust fumes, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**NOCO BOOST<sup>®</sup> X<sup>™</sup> EXTREME POWER.****ULTRASAFE<sup>®</sup> LITHIUM JUMP STARTER.™**

- Turbo-chargeable - Equipped with USB-C technology that, combined with power delivery, gives you lightning-fast recharges (up to 5X faster), or go from 0% to jump starting in just 5-minutes of charge.
- It's internal power bank provides 60-Watts of power - both in and out - to effortlessly power your favorite USB-C devices.
- UltraSafe 2.0 - Simple, mistake-free design featuring spark-proof technology and reverse polarity protection, but with enhanced thermal efficiency and power management to provide better performance and longer battery life.



- Start the vehicle within 60 seconds after pressing the power button on Boost.



Per Manufacturer  
Units Need To Be Fully  
Charged Prior To  
First Time Use

**#GBX45**  
**BOOST X<sup>™</sup>**  
**12V / 1250A**  
6.5L Gas & 4.0L Diesel Engine



- Completely recharge in just 48-minutes, or go from 0% to jump starting in just 5-minutes of charge.
- 31 Watt-Hour Lithium Ion Internal Battery
- 100 Lumen Flashlight
- 6.83" L x 3.28" W x 2.08" H
- Includes: HD Precision battery clamps, 24-Inch USB-A to USB-C cable, and storage bag

**#GBX55**  
**BOOST X<sup>™</sup>**  
**12V / 1750A**  
7.5L Gas & 5.0L Diesel Engine



- Completely recharge in just 1.2 hours, or go from 0% to jump starting in just 5-minutes of charge.
- 46 Watt-Hour Lithium Ion Internal Battery
- 200 Lumen Flashlight
- 7.7" L x 4.9" W x 2.5" H
- Includes: HD Precision battery clamps, 24-Inch USB-A to USB-C cable, and storage bag

**#GBX75**  
**BOOST X<sup>™</sup>**  
**12V / 2500A**  
8.5L Gas & 6.0L Diesel Engine



- Completely recharge in just 1.8 hours, or go from 0% to jump starting in just 5-minutes of charge.
- 74 Watt-Hour Lithium Ion Internal Battery
- 400 Lumen Flashlight
- 8.41" L x 5.4" W x 2.52" H
- Includes: Integrated HD Precision battery clamps, 24-Inch USB-A to USB-C cable, 24-Inch 12V to USB-C cable, and storage bag

**#GBX155**  
**BOOST X<sup>™</sup>**  
**12V / 4250A**  
10.0L Gas & 8.0L Diesel Engine



- Completely recharge in just 2.7 hours, or go from 0% to jump starting in just 5-minutes of charge.
- 99 Watt-Hour Lithium Ion Internal Battery
- 500 Lumen Flashlight
- 12.03" L x 6.9" W x 2.72" H
- Includes: Integrated HD Precision battery clamps, 24-Inch USB-A to USB-C cable, 24-Inch 12V to USB-C cable, and storage bag

**WARNING:** This product can expose you to chemicals including lead and exhaust fumes, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**ALL-IN-ONE INTERNATIONAL USB-C RAPID CHARGER KIT**DESIGNED FOR **NOCO BOOST<sup>®</sup> X<sup>™</sup> ULTRASAFE<sup>®</sup> LITHIUM JUMP STARTERS**

**COMPATIBLE WITH**  
**GBX45**  
**GBX55**  
**GBX75**  
**GBX155**



#U65

- 65W USB-C Charger is engineered to safely and efficiently recharge GBX45, GBX55, GBX75, AND GBX155 up to five times faster than traditional 2-Amp USB wall or car chargers
- Features a universal input with a wide range of 100-240VAC 50-60Hz, designed to work anywhere in the world
- USB-C Output: 3A/5V 3A/9V 3A/12V 3A/15V 3.25A/20V - 65W Max
- Includes: USB-C cable, protective case, and adapters for Australia (Type I), Europe (Type C), North America (Type A), and the United Kingdom (Type G).

**WARNING:** This product can expose you to chemicals including lead and exhaust fumes, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# NOCO BOOST® LITHIUM JUMP STARTERS

## START DEAD BATTERIES.™ *Safely Jump Start A Dead Battery In Seconds.®*

- Safely connect to any 12-volt car battery with this mistake-proof design featuring spark-proof technology and reverse polarity protection.
- Internal battery can recharge personal mobile devices; and can be recharged by any powered USB port.
- Battery Types: 12V Lead Acid Batteries.
- Manual Override designed for rare situations when a vehicle's battery is below 2-volts.
- Rechargeable LED flashlight with seven light modes, including SOS and Emergency Strobe.
- USB (Input/Output): 5V, 2.1A / 5V, 2.1A.
- 1-Year Warranty.



Per Manufacturer  
Units Need To Be Fully  
Charged Prior To  
First Time Use



Built-in Voltmeter  
Displays the Voltage of  
the Vehicle's Battery for  
Enhanced Diagnostics  
and Troubleshooting

### #GB40 BOOST PLUS™ 12V / 1000A

6.0L Gas & 3.0L Diesel Engine

- Internal 24 Watt-Hour Lithium-Ion Battery
- Jump Starts 20 Times Per Charge
- 100 Lumen Flashlight
- Recharge Time: 0.5A 12-hours, 1A 6-hours, 2A 3-hours
- 7.7" L x 3.2" W x 1.7" D
- Includes Heavy-Duty Precision Battery Clamps, 40" USB-C to USB-C Cable, and Storage Bag

### #GB70 BOOST HD™ 12V / 2000A

8.0L Gas & 6.0L Diesel Engine

- Internal 56 Watt-Hour Lithium-Ion Battery
- Jump Starts 40 Times Per Charge
- 400 Lumen Flashlight
- XGC (Input): 12 VDC, 3A Fast Charge
- XGC (Output): 12 VDC, 15A Power Supply
- Recharge Time: 0.5A 28-hours, 1A 14-hours, 2A 7-hours
- 8.8" L x 6.0" W x 2.7" D
- Includes XGC 12V Male & Female Adapters, XGC Extension Cable, 40" USB-C to USB-C Cable, and Storage Bag

### #GB150 BOOST PRO™ 12V / 3000A

9.0L Gas & 7.0L Diesel Engine

- Internal 89 Watt-Hour Lithium-Ion Battery
- Jump Starts 80 Times Per Charge
- 500 Lumen Flashlight
- XGC (Input): 12 VDC, 5A Fast Charge
- XGC (Output): 12 VDC, 15A Power Supply
- Recharge Time: 0.5A 45-hours, 1A 22-hours, 2A 11-hours
- 12.4" L x 7.3" W x 2.7" D
- Includes XGC 12V Male & Female Adapters, XGC Extension Cable, 40" USB-C to USB-C Cable, and Storage Bag



**WARNING:** This product can expose you to chemicals including lead and exhaust fumes, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## RAPID RECHARGE 56W XGC POWER ADAPTER



DESIGNED FOR

**NOCO BOOST®**

AND **BOOST MAX™**

**ULTRASAFE® LITHIUM JUMP STARTERS**

COMPATIBLE WITH

**GB70**  
**GB150**  
**GB250+**  
**GB251+**  
**GB500+**

**#XGC4**



- The XGC4 56-Watt XGC Power Adapter is a power supply for rapidly recharging NOCO Boost & Boost Max UltraSafe Lithium Jump Starters.
- Engineered to safely and efficiently recharge GB70, GB150, GB250+, GB251+ and GB500+ up to five times faster than traditional 2-amp USB wall or car charger.
- Input: 100-240 VAC 50-60Hz.
- Output: 12V XGC.
- Wire size: 16 AWG.
- A high-frequency, high-efficiency power supply engineered for efficient energy transfer.
- Includes a 56-watt power adapter, plus 4 cord sets for Australia, Europe, North America, and United Kingdom.
- AC and DC Cord Lengths: 60".
- 4.4" L X 2.3" W X 1.5" H.



**WARNING:** This product can expose you to chemicals including lead and exhaust fumes, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**NOCO** genius**BATTERY CHARGER + MAINTAINER**

- Designed for 6-volt and 12-volt lead-acid automotive, marine, and deep-cycle batteries, including flooded, gel, AGM, maintenance-free, plus lithium-ion batteries.
- Charge dead batteries as low as 1-volt. Or use the all-new Force Mode that allows you to take control and manually begin charging dead batteries down to zero volts.
- An integrated thermal sensor automatically monitors and adjusts the charging cycle based on fluctuations of ambient temperature, limiting the chance of under-charging or over-charging, providing a more accurate and fully charged battery.

**#GENIUS1****1A Charging Current**

1A (12V), 1A (6V)

**30Ah Battery Capacity****15W Output Power**

- Line Voltage: 100-240 VAC, Frequency: 50-60Hz
- Includes: Charger with interchangeable connector, battery clamps with integrated eyelets (M6)
- 3.62" L x 2.32" W x 1.26" H

**#GENIUS2****2A Charging Current**

2A (12V), 2A (6V)

**40Ah Battery Capacity****30W Output Power**

- Line Voltage: 120-240 VAC, Frequency: 50-60Hz
- Includes: Charger with interchangeable connector, clamps w/integrated eyelets (M6), mounting bracket with strap, and (2) self-tapping screws
- 3.7" L x 2.4" W x 1.69" H

**#GENIUS5****5A Charging Current**

5A (12V), 5A (6V)

**120Ah Battery Capacity****75W Output Power**

- Line Voltage: 120-240 VAC, Frequency: 50-60Hz
- Includes: Charger with interchangeable connector, clamps w/integrated eyelets (M6), mounting bracket with strap, and (2) self-tapping screws
- 4.6" L x 2.9" W x 1.93" H

**#GENIUS10****10A Charging Current**

10A (12V), 10A (6V)

**230Ah Battery Capacity****150W Output Power**

- Line Voltage: 100-240 VAC, Frequency: 50-60Hz
- Includes: Charger with interchangeable connector, clamps w/integrated eyelets (M10), mounting bracket with strap, and (2) self-tapping screws
- 7.2" L x 3.7" W x 2.32" H

**DIRECT MOUNT BATTERY CHARGER + MAINTAINER****#GENIUS2D****2000mA Charging Current (12V)****40Ah Battery Capacity****28W Output Power**

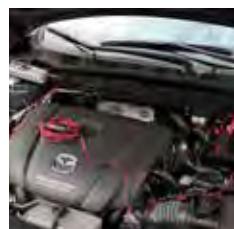
- 2-Amp direct-mount battery charger and battery maintainer engineered to be securely mounted nearby the battery.
- Line Voltage: 100-240 VAC, Frequency: 50-60Hz
- Includes: Charger with a 24-inch Type-A A/C cable and 24-inch D/C cable with eyelets, mounting bracket with strap, and (2) self-tapping screws
- 3.5" L x 3.0" W x 1.6" H



**WARNING:** This product can expose you to chemicals including lead and exhaust fumes, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**X-CONNECT 10' EXTENSION CABLE**

DESIGNED FOR

**NOCO** genius**BATTERY CHARGERS AND MAINTAINERS****COMPATIBLE WITH ALL NEW GENIUS:****GENIUS1****GENIUS10****GENIUS2****GENIUS2X2****GENIUS5****GENIUS2X4****#GC004**

- Extend the reach of your battery charger and accessories.
- Add an additional 10 feet of length to any connection.
- Compatible with the GC001, GC002, GC003, GC008, and GC009 X-Connect accessories.
- Not compatible with NOCO Boost UltraSafe Lithium Jump Starters.

**WARNING:** This product can expose you to chemicals including lead and exhaust fumes, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### NOCO genius®

### MULTI-BANK BATTERY CHARGERS AND MAINTAINERS.™

#### #GENIUS2X4

**4 Charging Banks**

**8A Charging Current**

2A Current Per Bank

**40Ah Battery Capacity**

**120W Output Power**

- Line Voltage: 120-240 VAC; Frequency: 50-60Hz
- Includes: Charger with (4) interchangeable connectors, (4) clamps w/integrated (M6) eyelets, (4) 10' extension cords, (2) self-tapping screws, Type A, C, G, and I power cables.
- 5.7" L x 9.37" W x 2.28" H



**DO MORE WITH ONE CHARGER.**

*Multi-Voltage. Multi-Chemistry. Multi-Battery Type.*

Per Manufacturer  
Units Need To Be Fully  
Charged Prior To  
First Time Use

- Multi-bank battery charger, battery maintainer, trickle charger, and battery desulfator - the perfect all-in-one solution for battery maintenance.

- Designed for 6-volt and 12-volt lead-acid automotive, marine, and deep-cycle batteries, including flooded, gel, AGM, maintenance-free, and lithium-ion batteries.

- Charge dead batteries as low as 1-volt. Or use the all-new Force Mode that allows you to take control and manually begin charging dead batteries down to zero volts.
- An integrated thermal sensor detects the ambient temperature and alters the charge to eliminate over-charging in hot climates and under-charging in cold climates.
- It's not just a trickle charger, it's an advanced battery maintainer. A fully automatic, worry-free battery charger for everyday use - 24/7 with zero overcharge.
- Safety Protection: Short-circuit, Open-circuit, Overheating, Overcharge, Spark-proof, Reverse Polarity, and IP60 rating.
- 3-Year Limited Warranty.



**WARNING:** This product can expose you to chemicals including lead and exhaust fumes, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### NOCO genius® 12V GEN SERIES & 12V GENPRO SERIES

### WATERPROOF ON-BOARD BATTERY CHARGERS.™

- IP68 - 100% Waterproof; designed to withstand hours underwater. Built for extreme marine conditions.
- On-board battery charger for 12-volt batteries, including marine, boat, starter, and deep-cycle batteries.
- Independently charge and control each battery bank with selectable charging modes - including 12V, 12V AGM, 12V Lithium, and 12V Repair Mode - for all types of lead-acid and lithium-ion batteries.
- An integrated thermal sensor detects the ambient temperature.
- Charge dead batteries as low as 1-volt. Or use the all-new Force Mode that allows you to take control and manually begin charging dead batteries down to zero volts.
- It's not just a trickle charger, it's an advanced battery maintainer. A fully automatic, worry-free battery charger for everyday use - with zero overcharge.
- Safety Protection: Short-circuit, Open-circuit, Overheating, Overcharge, Spark-proof, and Reverse Polarity.
- 3-Year Limited Warranty. • Includes (2) self-tapping screws.



#### #GEN5X1

**1 BANK 12V 5A**

**5A Charging Current**

**120Ah Battery Capacity**

**72W Output Power**

- 4.6" L x 2.9" W x 1.9" H

#### #GEN5X2

**2 BANK 12V 10A**

**10A Charging Current (5A Per Bank)**

**120Ah Battery Capacity**

**145W Output Power**

- 6.4" L x 4.7" W x 2.1" H

#### #GEN5X3

**3 BANK 12V 15A**

**15A Charging Current (5A Per Bank)**

**120Ah Battery Capacity**

**220W Output Power**

- 7.1" L x 5.7" W x 2.2" H

**On-Board Battery Charger, Battery Maintainer, and Battery Desulfator**

#### #GENPRO10X1

**1 BANK 12V 10A**

**10A Charging Current**

(10A Per Bank)

**230Ah Battery Capacity**

**150W Output Power**

- 5.79" W x 5.55" H x 2.83" D

#### #GENPRO10X2

**2 BANK 12V 20A**

**20A Charging Current**

(10A Per Bank)

**230Ah Battery Capacity**

**300W Output Power**

- 8.15" W x 6.5" H x 2.87" D

#### #GENPRO10X3

**3 BANK 12V 30A**

**30A Charging Current**

(10A Per Bank)

**230Ah Battery Capacity**

**450W Output Power**

- 10.51" W x 8.11" H x 2.83" D

#### #GENPRO10X4

**4 BANK 12V 40A**

**40A Charging Current**

(10A Per Bank)

**230Ah Battery Capacity**

**600W Output Power**

- 11.4" W x 9.1" H x 2.83" D



**WARNING:** This product can expose you to chemicals including lead and exhaust fumes, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# NOCO genius® PRO

## A MULTI-VOLTAGE PROFESSIONAL BATTERY CHARGER.™

- Effortlessly charge multiple battery voltages (6V, 12V and 24V) for lead-acid automotive, marine, and deep-cycle batteries, including flooded, gel, AGM, maintenance-free, and Lithium-Ion.
- A dual-voltage power supply to maintain constant power delivery without unwanted ripple, noise, and transient spikes during ECU flashing, reprogramming, and diagnostic testing.
- An integrated thermal sensor detects the ambient temperature and alters the charge to eliminate over-charging in hot climates and under-charging in cold climates to maximize battery life and enable fast charging.
- Detects batteries as low as 1-volt. Or use the all-new Force Mode that allows you to take control and manually begin charging dead batteries down to zero volts.

## PORTABLE

- Safely charge any battery year-around. Charge continuously without user intervention and with zero risk of overcharging your battery.
- Safety Protection: Short-circuit, Open-circuit, Overheating, Overcharge, Spark-proof, Reverse Polarity, and IP20.
- Includes: Interchangeable connectors, (1) Genius PRO Clamps w/ integrated eyelets, (1) 10-ft. extension cord, (1) EVA case, (2) self-tapping screws, and Type A, C, G, and I power cables.
- 3-Year Limited Warranty.

### #GENIUSPRO25

**25A Charging Current** (6V, 12V)

12.5A Charging Current (24V)

**1000Ah Battery Capacity** (6V, 12V)

500Ah Battery Capacity (24V)

**375W Output Power**

- Down-rate Power to 5-Amps - equipped with a reduced charge current mode that allows the unit to operate at 5-amps for optimized charging of small batteries or continual maintenance.
- 9.21" W x 5.16" H x 2.95" D



**Fully-Automatic Professional Smart Charger, Battery Maintainer, Power Supply & Battery Desulfator**

### #GENIUSPRO50

**50A Charging Current** (6V, 12V)

25A Charging Current (24V)

**2000Ah Battery Capacity** (6V, 12V)

1000Ah Battery Capacity (24V)

**750W Output Power**

- Down-rate Power to 10-Amps - equipped with a reduced charge current mode that allows the unit to operate at 10-amps for optimized charging of small batteries or continual maintenance.
- 12.44" W x 6.89" H x 3.58" D

**WARNING:** This product can expose you to chemicals including lead and exhaust fumes, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# NOCO genius® UltraSafe Industrial Battery Charger.™

**The next generation of charging electric vehicles.**

*The most advanced industrial battery charger in its class.*

- The Noco GX Series is a high-frequency, high-efficiency industrial battery charger for electric vehicles, like a golf cart, scissor lift, pallet jack, floor care machine or utility vehicle. Intended to recharge the maximal amount of energy while the electric vehicles are not in use - lunch time, breaks or intermittent use.
- It represents the latest technology for fast and efficient battery charging with multiple charging modes at the push of a button.
- It's universally adaptable design allowed for global use with replaceable A/C and D/C cables and designed for all types of deep-cycle lead-acid (Wet, Gel, MF, EFB, AGM, EFB & LIB) and lithium-ion batteries. Suitable for both on-and-off board applications.
- Wide-range input voltages from 100-240 VAC, 50-60Hz.
- Charges lead-acid and lithium-ion batteries up to 425 Amp-Hours
- Converts to a DC power supply for zero voltage charging.



## PERMANENT MOUNT



- Progressive repair method for sulfated batteries.
- Protects against reverse polarity, sparks, over-current, open circuits, short circuits, overheating and over-charging.
- Advanced diagnostics indication for damaged batteries.
- Waterproof and tamper-proof - Designed for rugged environments and rated at IP66.
- 12" L x 8.5" W x 3.9" H
- Includes 76-inch integrated D/C cable with HD eyelets, and 76-inch integrated A/C cable with type B plug
- 1 year warranty.



### #GX2440

**24V Charging Voltage**

**40A Charging Current**

**425Ah Battery Capacity**

**960W Max Output Power**

- 24-Volt industrial battery charger

### #GX3626

**36V Charging Voltage**

**26A Charging Current**

**425Ah Battery Capacity**

**960W Max Output Power**

- 36-Volt industrial battery charger

### #GX4820

**48V Charging Voltage**

**20A Charging Current**

**425Ah Battery Capacity**

**960W Max Output Power**

- 48-Volt industrial battery charger

**WARNING:** This product can expose you to chemicals including lead and exhaust fumes, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



## 24-80 VOLT DC/DC CONVERTERS

- ServiceMate™ heavy duty high voltage DC to DC converters have an extended input range
- Designed for use on 24-80 volt equipment to provide a regulated 13.8 VDC Output
- Enables use of standard 12 VDC devices (lights, radios, cellular and tablet chargers, and computers) from non-standard electrical systems

### COMMON FEATURES:

- Built-in Spike Filter
- Weather Proof
- Vibration Resistant
- High Efficiency
- Switched Voltage Regulation
- Short Circuit Protected
- Thermal Protected
- Reverse Voltage Protection
- Soft Start (for starting inductive loads)
- Input and Output Filtering
- 2 Year Limited Warranty



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Model #	Output Current (full load)	Watts	Input Current (no load)	Load Regulation	Dimensions L" x H" x W"	UL LISTED
SMHV112-5	5 Amp	70 W	100mA / 200mA	0.03 / 0.10 VDC	5.75 x 2.25 x 3.625	
SMHV112-10	10 Amp	140 W	100mA / 200mA	0.03 / 0.15 VDC	6.3 x 2.28 x 4.29	✓
SMHV112-20	20 Amp	280 W	100mA / 200mA	0.03 / 0.25 VDC	6.3 x 2.28 x 4.29	✓
SMHV112-30	30 Amp	420 W	100mA / 200mA	0.03 / 0.35 VDC	6.3 x 2.28 x 4.29	✓

## NOISE/SPIKE FILTER 4-100 VDC

Remove noise and suppress voltage spikes that may otherwise damage or interfere with normal operation of video, radio equipment, and DC to DC converters.



For use on electrical vehicles with re-generative braking. Re-generative braking develops tremendous voltage spikes that will cause failure to converters without built-in spike filters.

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## AC/DC INVERTERS (POWER SUPPLY)

### COMMON FEATURES:

- Powers cellular phones, 12 VDC CB Radios, scanners, HAM radios, auto sound systems
- Perfect for home, shop and hobbyist
- Output 13.8 VDC
- Screw terminal connectors
- Electronic overload & thermal protection
- Fuse protected
- LED condition indicators
- Heavy duty cabinet & heat-sink with anti-skid rubber feet

#PS9



- Input: 115 VAC, 60Hz, 70 Watts
- 5 AMP Constant / 7 AMP Surge
- Convenient Cigarette Lighter Plug lets you power ANYTHING that will run off a 12V car cigarette lighter
- Short circuit & thermal connectors
- Dimensions: 7.48" L x 4.92" W x 3" H

#PS14KX



- Input: 115 VAC, 60Hz, 270 Watts
- 12 AMP constant / 14 AMP surge
- LED condition indicators
- Dimensions: 7.75" L x 7.75" W x 4.325" H



**DOMETIC**



## INDUSTRIAL PURE SINE WAVE INVERTERS

Premium mobile power in a sleek, lightweight profile. Bring reliable power on the road with a **12-volt** Go Power! Industrial Pure Sine Wave Inverter, available in 200 to 3000 watts. Provide peace of mind when powering electronics with a 2-year warranty. **All models are available in 24 volts.**



PURE SINE WAVE INVERTERS	CONTINUOUS OUTPUT (W)	MAXIMUM SURGE (W)
GP-ISW3000-12	3000	6000
GP-ISW2000-12	2000	3500
GP-ISW1500-12	1500	2650
GP-ISW1000-12	1000	1750
GP-ISW700-12	700	1230
GP-ISW400-12	400	800

## DEPENDABLE MOBILE POWER



## HEAVY DUTY MODIFIED SINE WAVE INVERTERS

Economical and reliable power solutions for running lights, appliances, and other resistive loads. The **12-volt** Go Power! Modified Sine Wave Inverters range from 225 to 5000 watts and come with a 1-year warranty



MODIFIED SINE WAVE INVERTERS	CONTINUOUS OUTPUT (W)	MAXIMUM SURGE (W)	OUTLETS
GP-5000HD	5000	10000	4
GP-3000HD	3000	6000	4
GP-1750HD	1750	3500	3
GP-1000HD	1000	2000	2
GP-800HD	800	1600	2
GP-400HD	400	800	2
GP-225HD	225	450	2

## INVERTER FUSES & CABLE KITS



Installation kits include everything to connect your inverter to your batteries: 10' heavy gauge battery cables, tie downs, appropriate inverter fuse, and fuse block. Fits most inverters.

INVERTER FUSE & CABLE KITS	WIRE	FUSE	INVERTER SIZE
GP-DC-KIT5	4/0	400 amp	2600-3000 watts
GP-DC-KIT4	2/0	300 amp	2000-2500 watts
GP-DC-KIT3	#2	200 amp	1100-1800 watts
GP-DC-KIT2	#4	100 amp	600-1000 watts

## POWER ACCESSORIES



Safeguard equipment with durable Class-T, DC rated fuses.

## INVERTER FUSE & FUSE BLOCKS

PART #	AMPS	FUSE
FBL-400	400	F-400
FBL-300	300	F-300
FBL-200	200	F-200
FBL-110	110	F-110

## REPLACEMENT CLASS-T FUSES

PART #	AMPS
F-400	400
F-300	300
F-200	200
F-110	110

## INVERTER REMOTES

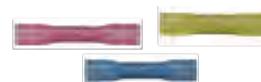
Controls an inverter with the touch of a button



# GP-HD-R	# GP-SWR-A	# GP-ISW-R
USE WITH: GP-800HD, 1000HD, 1750HD, 3000HD, 5000HD	USE WITH: GP-ISW200, 400, 700, 1000, 1500, 2000, 3000	USE WITH: GP-ISW200, 400, 700, 1000, 1500, 2000, 3000 (Available in 12 and 24 volt)

## HEAT SHRINKABLE BUTT CONNECTORS

- Insulate & protect electrical connections against moisture, dirt, corrosion and vibration
- Just crimp then heat to seal



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

22-18 Ga Red Butt	
HB18-100	100 pack

16-14 Ga Blue Butt	
HB14-100	100 pack

12-10 Ga Yellow Butt	
HB10-100	100 pack

## INSULATED BUTT CONNECTORS

- Copper Construction
- PVC Insulated Sleeves



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

22-18 Ga Red Butt	
TB18-100	100 pack

16-14 Ga Blue Butt	
TB14-100	100 pack

12-10 Ga Yellow Butt	
TB10-100	100 pack

## HEAT SHRINKABLE TERMINALS & CONNECTORS – VARIETY PACK

- 120-piece assorted heat shrinkable terminals & connectors
- Insulate and protect electrical connections against moisture, dirt, corrosion, & vibration
- Just crimp then heat to seal



#T9904

## HEAT SHRINK & SOLDER TERMINAL & CONNECTOR KIT

- 120-piece assortment kit; 22-18, 16-14 and 12-10 gauges
- Includes the most popular heat shrink solder and seal terminals and connectors
- Includes: Butt Connectors (40), Ring Terminals (50), Spade Terminals (10), Male Disconnects .250" (10) and, Female Disconnects .250" (10)
- 12 compartment re-closable plastic box with re-order chart
- 1 year warranty

#83-6539



## INSULATED TERMINALS & CONNECTORS – VARIETY PACK

- 200-piece assorted insulated terminals & connectors
- Terminals and connectors are copper construction, tin plated to maximize conductivity



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

#T9901

## VINYL & NYLON TERMINAL & CONNECTOR KIT



- 99-piece assortment kit with hang tab; 22-18, 16-14 and 12-10 gauges
- Includes the most popular connectors, disconnects and terminals
- Includes: Butt Connectors (34), Ring Terminals (51), Male Disconnects .250" (6) and, Female Disconnects .250" (8)
- 12 compartment re-closable plastic box with re-order chart on the inside cover
- 1 year warranty

#83-6554



## OEM DEUTSCH TERMINAL & CONNECTOR KIT

- 98-piece assortment kit; 20-16, 18-16 and 16-14 gauges
- 18 compartment Deutsch Kit includes DT Series connectors, thermoplastic housings with silicon seals, and wedge locks
- Designed specifically for cable-to-cable applications
- Terminals are rated for 13 amps at 125°C (257°F) continuous operating temperature
- Easy-to-use reference reorder chart on cover



#83-6549



1 Year Warranty



## DEUTSCH & WEATHER PACK TOOL KIT



- Includes 3 crimping tools for open and closed barrel terminals and 3 terminal release tools
- 24-14 Gauge
- OEM approved
- 1 year warranty



#83-6568



## GROTE CRIMPABLE OR SOLDERABLE BATTERY TERMINALS

- Copper die-cast and bright tin plating exceeds SAE J163 & J1811 conductivity standards by 25 times
- Ultra-smooth, pit-free case surface resists against harmful materials and corrosion
- Can be crimped or soldered; can be installed with most major crimping tools
- Provides full height post connection
- Includes 5/16" battery bolts, shoulder nuts and fasteners
- Clamps are marked for easy identification
- Rated to 600V; Lead-free, RoHs compliant
- Terminal color codes:  
4 Grey    2 Green    1 Pink  
1/0 Black    2/0 Orange    3/0 Purple    4/0 Yellow
- Sold in box quantity of 5 pieces

### Straight Barrel Terminals

Grote Part #	Wire Gauge	Polarity	Velvac Crossover
84-9053	4	Negative	058050
84-9054	4	Positive	058050
84-9047	1	Negative	057051
84-9048	1	Positive	057050
84-9056	1/0	Negative	058002
84-9057	1/0	Positive	058001
84-9058	2/0	Negative	057053
84-9059	2/0	Positive	057052
84-9060	3/0	Negative	057055
84-9061	3/0	Positive	057054
84-9062	4/0	Negative	058058
84-9063	4/0	Positive	058057



### Right Elbow Terminals

Grote Part #	Wire Gauge	Polarity	Velvac Crossover
84-9640	1/0	Negative	058051
84-9641	1/0	Positive	058052
84-9648	2/0	Negative	058006
84-9649	2/0	Positive	058005
84-9652	3/0	Negative	058010
84-9653	3/0	Positive	058009



### Left Elbow Terminals



Grote Part #	Wire Gauge	Polarity	Velvac Crossover
84-9642	1/0	Negative	058053
84-9647	1/0	Positive	058054
84-9650	2/0	Negative	058004
84-9651	2/0	Positive	058003
84-9654	3/0	Negative	058008
84-9655	3/0	Positive	058007

### Flag (Right Angle) Terminals

Grote Part #	Wire Gauge	Polarity	Velvac Crossover
84-9097	2/0	Negative	057057
84-9098	2/0	Positive	057056
84-9099	3/0	Negative	058056
84-9100	3/0	Positive	058055

## GROTE PLUG-IN STYLE BATTERY CABLE CONNECTORS

- Color coded ends help identify different voltages and will prevent mismatching power supply to the electrical output
- Comes complete with one housing and two contact terminals
- Polarity specific; simply rotate 180° with identical part number for mate
- Available in 50, 175 and 350 Amp ratings for use up to 600 volt AC or DC
- RoHS compliant and C-UL-US rated



Part #	Amp Rating	Wire Gauge	Color	Pack
84-9680	50 Amp	12-10	Red	1
84-9627	50 Amp	12-10	Grey	1
84-9626	50 Amp	6	Red	1
84-9631	50 Amp	6	Grey	1
84-9681	175 Amp	4	Red	1
84-9551	175 Amp	4	Blue	1
84-9632	175 Amp	4	Grey	1
84-9682	175 Amp	2	Red	1
84-9487	175 Amp	2	Blue	1
84-9633	175 Amp	2	Grey	1
84-9628	175 Amp	1/0	Red	1
84-9683	175 Amp	1/0	Blue	1
84-9634	175 Amp	1/0	Grey	1
84-9482	350 Amp	2/0	Red	1
84-9684	350 Amp	2/0	Blue	1
84-9485	350 Amp	2/0	Grey	1

## GENERAL PURPOSE WIRE

- Copper thermoplastic wire
- Single conductor PVC jacket resists grease, oil, gasoline, and other abrasive materials
- Holds up better in moist areas

REDUCED PRICING



### 100' Rolls of Wire

Color	18 AWG	16 AWG	14 AWG	12 AWG
	Part #	Part #	Part #	Part #
Blue	118-1	116-1	114-1	112-1
White	118-2	116-2	114-2	112-2
Green	118-3	116-3	114-3	112-3
Yellow	118-4	116-4	114-4	112-4
Red	118-5	116-5	114-5	112-5
Black	118-7	116-7	114-7	112-7
Orange	118-8	116-8	114-8	112-8

## ELECTRICAL TAPE

Grote



#83-7029

### BLACK ELECTRICAL PVC TAPE

- 3/4-inch x 60 ft.
- Economy grade
- For splicing and insulating wires
- Excellent resistance to abrasion and moisture
- Standards: CSA 22.2

⚠️ **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## BLACK POLYETHYLENE SPLIT LOOM

Part #	Description
L14-25	1/4-inch split loom 25-ft. roll
L14-100	1/4-inch split loom 100-ft. roll
L38-25	3/8-inch split loom 25-ft. roll
L38-100	3/8-inch split loom 100-ft. roll
L12-25	1/2-inch split loom 25-ft. roll
L12-100	1/2-inch split loom 100-ft. roll
L34-25	3/4-inch split loom 25-ft. roll
L34-100	3/4-inch split loom 100-ft. roll



- Provides protection from heat, sunlight, fraying, snow and salt
- Good to 200° F

⚠️ **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## DUAL WALL HEAT SHRINK TUBING KIT

- Made from cross linked polyolefin material
- Red and black colored tubing
- 6-Inch lengths
- Operating temperature -55°C (110°C)
- 50-Count pkg.
- 1-Year warranty

NEW

Grote

#83-6505



## HEAT SHRINK TUBING

Part #	Description
HSD180-06	6-pieces, 1/8-inch heat shrink tube, 6-inch length
HSD180-48	6-pieces, 1/8-inch heat shrink tube, 48-inch length
HSD316-06	6-pieces, 3/16-inch heat shrink tube, 6-inch length
HSD316-48	6-pieces, 3/16-inch heat shrink tube, 48-inch length
HSD250-06	6-pieces, 1/4-inch heat shrink tube, 6-inch length
HSD250-48	6-pieces, 1/4-inch heat shrink tube, 48-inch length
HSD380-06	6-pieces, 3/8-inch heat shrink tube, 6-inch length
HSD380-48	6-pieces, 3/8-inch heat shrink tube, 48-inch length
HSD500-06	6-pieces, 1/2-inch heat shrink tube, 6-inch length
HSD500-48	6-pieces, 1/2-inch heat shrink tube, 48-inch length
HSD750-06	6-pieces, 3/4-inch heat shrink tube, 6-inch length
HSD750-48	6-pieces, 3/4-inch heat shrink tube, 48-inch length
HSD9012	12-pieces, variety pack 6-inch length
HSD9027	27-pieces, variety pack 6-inch length



- Made of semi-rigid dual wall polyolefin
- Shrink ratio 3:1
- Hot melt adhesive lined
- UL certified

⚠️ **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## NYLON CABLE TIES

Part #	Description
CBB0850-100	100 pack 8-inch Black Cable Ties, 50 lbs. strength
CBB1150-100	100 pack 11.5-inch Black Cable Ties, 50 lbs. strength
CBB1450-100	100 pack 14.5-inch Black Cable Ties, 50 lbs. strength
CBB14120-100	100 pack 14.5-inch Black Cable Ties, 120 lbs. strength

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



- Self locking, low profile head, position locking teeth
- Made of weather resistant Nylon 66
- CE, RoHS Compliant
- UV resistant

## ATO/ATC FUSES – VARIETY PACK

- 180-piece assorted standard & mini fuses
- Industry color codes to show amperage
- Enclosed element offers protection against shock
- Corrosion resistant for longer life



#AT904



## FUSES

- Cost-effective standard automotive fuse for use in automotive, battery and general DC applications
- Voltage: 32 VDC
- Design Current Load: 1000A @ 32V
- Style: Standard Blade
- Standards: SAE, ISO 8820
- Sold in 5-Ct. Pkgs.



Part #	Amperage	Color	Velvac Crossover #
82-ANR-3A	3 Amp	Violet	091173
82-ANR-4A	4 Amp	Pink	091174
82-ANR-5A	5 Amp	Tan	091175
82-ANR-7.5A	7.5 Amp	Brown	091177
82-ANR-10A	10 Amp	Red	091180
82-ANR-15A	15 Amp	Blue	091181
82-ANR-20A	20 Amp	Yellow	091182
82-ANR-25A	25 Amp	Clear	091183
82-ANR-30A	30 Amp	Green	091184

## FUSE ASSORTMENT KIT WITH TESTER

- Miniature, low profile miniature and standard blade fuses
- Nylon PA 66 fuses for use in automotive, battery and general DC applications with In-Line holders and 1/4" clips
- 32 Volt; 1000A @ 32 VDC
- Meets SAE and ISO 8820 specifications
- 43-Count pkg with tester
- 1 Year warranty



#82-ASST-44



## COMMERCIAL & FLEET VEHICLE EMERGENCY FUSE KIT

- Kit is carefully crafted to meet the exact standards for commercial vehicle safety equipment
- Contains Nylon PA 66 standard, miniature, large blade, bolt-on, and compact bolt-on fuses along with a fuse puller
- 32 and 58 Volt; 2000A @ 32 VDC and 1000A @ 58 VDC
- SAE, ISO 8820; FMCSA Title 49, CFR Part 393.95
- 51-Count Pkg.
- 1 Year warranty



#82-ASST-51



## DIGITAL CIRCUIT TESTER

- Used to detect voltage, power, ground, & circuit integrity
- For use on 6 - 24 VDC systems
- LCD Display provides a voltage value
- Surge protected circuitry
- Computer Safe



#11436



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## CIRCUIT BREAKERS



- Includes straight mounting bracket
- Single pole thermal type breakers
- 12 VDC, metal base



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Description
54-115P	15 Amp @ 12 VDC, 7.5 Amp @ 24 VDC
54-120P	20 Amp @ 12 VDC, 10 Amp @ 24 VDC
54-125P	25 Amp @ 12 VDC, 12.5 Amp @ 24 VDC
54-130P	30 Amp @ 12 VDC, 15 Amp @ 24 VDC
54-140P	40 Amp @ 12 VDC, 20 Amp @ 24 VDC

Part #	Description
54-515P	15 Amp @ 12 VDC, 7.5 Amp @ 24 VDC
54-520P	20 Amp @ 12 VDC, 10 Amp @ 24 VDC
54-525P	25 Amp @ 12 VDC, 12.5 Amp @ 24 VDC
54-530P	30 Amp @ 12 VDC, 15 Amp @ 24 VDC
54-540P	40 Amp @ 12 VDC, 20 Amp @ 24 VDC

## HIGH AMP BREAKER

- Voltage: 42 VDC Maximum (32 VDC – cURus approved)
- Interrupting Rating: 3000A @ 30 VDC
- IP67
- Mounting Torque: 40in-lb Max.
- Stud Torque: 50in-lb Max.
- Designed to meet: SAE J162S; SAE J1171 (ignition protected)
- Overall Dimensions 2 x 3



**WARNING:** This product can expose you to chemicals including Di-n-Hexyl phthalate and/or Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Part #	Description
153030	30 Amp Manual reset circuit breaker
153040	40 Amp Manual reset circuit breaker
153050	50 Amp Manual reset circuit breaker
153060	60 Amp Manual reset circuit breaker
153070	70 Amp Manual reset circuit breaker
153080	80 Amp Manual reset circuit breaker
153090	90 Amp Manual reset circuit breaker
153100	100 Amp Manual reset circuit breaker
153120	120 Amp Manual reset circuit breaker
153135	135 Amp Manual reset circuit breaker
153150	150 Amp Manual reset circuit breaker
153180	180 Amp Manual reset circuit breaker
153200	200 Amp Manual reset circuit breaker

## DEUTSCH CONNECTOR KIT

- 1 female deutsch type connector with 10" wire
- 1 male deutsch type connector with 10" wire
- Heat shrinkable butt connectors (blue 16-14 Ga)
- Update any light to match the DT style plug found on most of the popular models of equipment and lighting



#PT6810-5K

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## PLUG ADAPTER

- 15 to 20 Amp; 120 Volt AC
- Converts a 20-amp T-Blade plug end into a standard 3-wire grounded plug
- Can be used with any standard grounded 110-volt outlet



#SBT-ADP-1

## WATER RESISTANT AC PORT PLUGS

Easily install a pass-through power outlet anywhere. Perfect for powering AC applications, like engine block heaters and battery chargers on boats, trucks, trailers, RV's and more.

- Rugged Watertight Cap
- No Wiring Needed
- Heavy Duty 14AWG
- Rated for 15 Amps, 125 Volts
- 1.8" Low Profile
- (3) Self-Tapping Screws
- Requires a 2" Diameter Hole
- UL Certified

Part #	Description
GCP1	16 Inch Single Plug
GCP1E	6 Ft. Single Plug
GCP1EX	12 Ft. Single Plug
GCP2	18 Inch Dual Plug



**WARNING:** The wires of this product contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Coming in contact with any residue of lead requires handling precautions. Wash hands after handling.

## VOLT METERS

### Veethree Volt Meters

227025 replaces: Datcon 101910, Faria VP0076

227026 replaces: Datcon 101911, Faria VP0129

2 Year Warranty



Part #	Description	Size
227025	Volt Meter 8-18 Volts	2 1/16"
227026	Volt Meter 16-36 Volts	2 1/16"

### Faria Volt Meters



VP0076



VP0129

## OIL PRESSURE GAUGES

### Veethree Illuminated Oil Pressure Gauge

Part #	Description
127107	12 VDC 0-100 PSI
127108	24 VDC 0-100 PSI

2 Year Warranty



### Veethree Pressure Sender

970953 replaces: Datcon 102225, Faria SD0006

Part #	Range	Thread
970953	6-24 VDC 0-100 PSI	1/8"-27NPT

### Veethree Oil Temp Gauge

2 Year Warranty



Part #	Description	Size
277160	Oil Temp 100-280F, 24V	2 1/16"
757046	Temp. Sender 100-280F	1/2"-4NPT

### Faria Oil Pressure Gauges

- 12 Volt



### Part #

Part #	Range	Thread
GP0829	Oil Pressure Gauge	0-80 PSI
SD0003	1/8" Oil Pressure Sender	80 PSI
GP0801	Oil Pressure Gauge	0-100 PSI
SD0006	1/8" Oil Pressure Sender	100 PSI
GY1099	24 Volt Adapter Kit	WIRE SUPPLY LAST

## WATER TEMPERATURE GAUGES

### Veethree Water Temp Gauge/Sender

Part #	Description	Size
277161	12 VDC Water Temp. 100-280F	2 1/16"
277162	24 VDC Water Temp. 100-280F	2 1/16"
757046	Temp. Sender 100-280F/140-320F	1/2"-14NPT

### Faria Water Temperature Gauge/ Sender



#GP8326  
\$39.80

12-Volt Water temp gauge; 100-280

Part #	Description
TS1029	1/8" NPT Temp Sender
TS3044	3/8" NPT Temp Sender
TS4042	1/2" NPT Temp Sender
GY5094	24 Volt adapter kit



2 Year Warranty

277162 Crossovers: Datcon 100182 (black) or 101892 (polished) w/06290-00 resistor; Faria GP8326 w/ GY5094 resistor

277161 Crossovers: Datcon 100182 (black) or 101892 (polished); Faria GP8326  
757046 Crossovers: Datcon 02025-00; Faria TS4042

## BRACKET

Single bracket  
two screw  
mount



#10000B

Used for two screw  
round hour meters



## VEETHREE MECHANICAL TEMPERATURE SWITCH GAUGE

Switch gauge with "adjustable" and "visible" temp. limit contacts; it is a combination gauge and switch for alarm and/or shut-down of equipment when preset limit points are met.

- Contacts: SPST pointer and limit contact: N.O. when pointer operates below limit
- Contact Rating: Pilot Duty only; 2 Amps @ 30V AC/DC resistive
- Isolated terminals for switching
- 130-250F, Chrome Bezel temp/switch gauge
- End Fitment 5/8"-18 UNF, Adapter 1/2"NPT; Easy clamp mounting

Part #	Description
57176	6' capillary length
57261	12' capillary length

VEETHREE  
2 Year Warranty



Same as  
Murphy Switch  
Gauge

## FUEL GAUGES

### Faria Fuel Gauge

**#GP0707**  
2" Fuel level gauge, 12 VDC

Part #	Description
GY1099	24 Volt Adapter Kit



### Faria Fuel Level Senders

Part #	Description
LS6025	8-16" Tank Depth
LS6026	14-24" Tank Depth



## TACH/HOUR METERS

### Veethree Tachometer

Part #	Description	Size
037111	0-3000 RPM 12/24 VDC Alternator Pulse	3 3/8"
037126	0-4000 RPM 12/24 VDC Alternator Pulse	3 3/8"
037153	0-4000 RPM 12 VDC Mag. Pick-up w/Analog Hour Meter	3 3/8"

267155 replaces: Datcon 101897, Faria GP0713  
267156 replaces:  
Datcon 101897 w/06290-00 resistor,  
Faria GP0713 w/GY1099 resistor

2 Year  
Warranty



### Veethree Fuel Gauge

267155 replaces: Datcon 101897, Faria GP0713  
267156 replaces:  
Datcon 101897 w/06290-00 resistor,  
Faria GP0713 w/GY1099 resistor

2 Year  
Warranty

Part #	Description	Size
267155	12 VDC Fuel Gauge	2 1/16"
267156	24 VDC Fuel Gauge	2 1/16"

### Veethree Universal Fuel Sender

2 Year Warranty

310915 replaces: Datcon 100438, Faria LS6022 and 317040

Part #	Description
310915	Sender, 6-24" Tank Depth, 240-33 ohms

### Faria Tach/Hour Meter

- Will work on diesel applications
- Requires 3 3/8" mounting hole

Part #	Description
TC9159	0-4000 rpm; Battery Ignition, 12 volt



Part #	Description
TD9135	0-4000 rpm; magnetic sensor, diesel, mag pick-up
SD0047	Magnetic Sensor for use with TD9135

2 Year  
Warranty



037111 replaces: Datcon 103825  
037126 replaces: Datcon 103684,  
Faria TD5157 (12v only)  
037153 replaces: Datcon 103686, Faria TD9135

### Universal Digital Tach/Hour Meter For Gas Powered Engines

Programmable for engines that fire either every revolution or every other revolution.

- Large 7 segment LCD display
- No power required
- Quartz crystal and solid state electronics
- Indicates RPMs and hours
- Field programmable service interval
- Capacity: 9999 hours
- Internal lithium battery 35,000 hours
- RPM: 1X spark/rev 13,000 max;  
2X spark/rev 24,000 max
- Vibration Resistance:  
10 to 75 Hz at 1 to 8 G's
- Two hole base mount (2.5" centers)
- 1-4/5" H x 2-9/10" W x 3/4" D
- Warranty: 3 Years or 10,000 Operating Hours



**#PT14**

### Digital Tach/Hour Meter For Gas Powered Engines

- 6-digit display
- Works on gas powered engine with a spark plug
- Extra functions such as a job timer, service timer, and the ability to set various firing patterns
- Keeps track of the maximum RPM which can help in early detection of issue with engine
- RPM Range: 0-25000 RPM; RPM accuracy:  $\pm 50$ RPM
- Record total running hours and the timing range is 0-99999H, non-resettable

- Record partial time and the timing range is 0-99999H, **resettable**
- One maintenance reminder which can be set to 0-2000H
- CR2450 battery; capacity 540mAh
- IP67 - Protects against dust and water
- 3.15" W x 1.56" H x 0.78" D
- 1 Year Limited Warranty



**#PT16F**

## HOUR METERS

### 2" Round 3-Hole Mount Hour Meters

**#SM10003**

• 10-80 VDC • 3 Year/10,000 Hour Warranty

**#OEM10003** Bulk 32-pc qty. (price ea.)

• 10-80 VDC • 3 Year/10,000 Hour Warranty



## HOUR METERS

### 2" Round Clamp Mount Hour Meters



MADE IN U.S.A.

**#SM10010**

- 10-80 VDC Operation
- 3 Year/10,000 Hour Warranty



MADE IN U.S.A.

**#SM10011SS**

- Stainless steel bezel
- 10-80 VDC
- 3 Year/10,000 Hour Warranty



MADE IN U.S.A.

**#OET1160AB4**

- LCD Hour Meter
- 12-24 Volt
- Bulk 50-piece qty. (price each)
- 1 Year Warranty

**#OEM10010**

- 10-80 VDC Operation
- Bulk 50-piece qty (price ea.)
- 3 Year/10,000 Hour Warranty

**#SM10110**

- 110 VAC Operation
- 3 Year/10,000 Hour Warranty

**#OEM10011SS**

- Bulk 50-piece qty. (price ea.)
- 10-80 VDC operation
- 3 Year/10,000 Hour Warranty



**#140904**

### Veethree Digital 2" Round Clamp Mount Hour Meters

- Stainless steel bezel

- 10-32 VDC

- Track engine operating hours

- 0 to 9,999.9 hours

- Reverse polarity

- Completely sealed from dirt & moisture

- Vibration resistance SAE J1378

- 2-Bolt Metal Clamp Included

- 2 Year Warranty



### Rectangular 2-Hole Mount Hour Meters



**#SM10002**

- 10-80 VDC Operation
- 3 Year/10,000 Hour Warranty

**#OEM10002**

- 10-80 VDC Operation
- Bulk 32-piece qty. (price ea.)
- 3 Year/10,000 Hour Warranty

**#SM10102**

- 110 VAC Operation
- 3 Year/10,000 Hour Warranty



**#T56C1**

### VIBRATION ACTIVATED Rectangular LCD Hour Meter

- No External Power Source Required
- Vibration Activated Detection System
- Very High Shock and Vibration Specs
- Display is Always On
- High Reliability

- Solid State Electronics
- Quartz Crystal
- Total Hours
- W 55mm x H 30 x D 10mm
- 1 Year Warranty



### PRE-SETTABLE AC/DC HOUR/SERVICE METER

ENM's pre-settable AC/DC hour meter allows customer to preset total hours and replace a failed meter without loss of total elapsed time. After customer presets unit to desired number and runs the meter for an hour, the preset and reset function will be disabled permanently.

- Ideal for any application that requires reliable count or time keeping for service maintenance schedules in a small space
- 6-digit LCD with self-powered CMOS circuitry
- Can be pre-programmed using the terminals
- Lithium battery (Non-replaceable)
- Display always on with total accumulated time shown

- 100% epoxy encapsulated seal (IP68)
- High shock and SAE J1378 vibration specs
- Polarity insensitive
- 5-250 AC/DC voltage range covers most AC/DC applications
- Four blade terminals with plastic spring clip
- 1 Year warranty



**#TB45AA**

### SLOPE DEGREE INDICATORS



**#7489**

- Helps avoid rollovers and limits liability and worker's comp claims by allowing the operator to easily determine the safe angle to operate the equipment
- Indicator is accurate to less than one degree
- 2-13/16" H x 6-1/4" W
- Bolt or adhesive mount (included)
- 90 Day Warranty



**#7480  
SLOPE**

- Painted 50-0-50 Degree Indicator
- Helps to limit liability and worker's comp claims by allowing the operator to easily determine the safe angle to operate the equipment
- 2-13/16" H x 6-1/4" W
- Bolt or adhesive mount (not included)
- 90 Day Warranty



**#76 Slope**

- Designed for use on aerial platforms, scissor lifts, fire department trucks, etc.
- 1-1/2" H x 3-1/2" W
- Bolt or adhesive mount (included)
- 90 Day Warranty



**#006**

- Ideal for use to construct: 3 to 1; 2 to 1; and 1 to 1 grade
- Reaction to change in slope is less than 1 second
- Temperature range of minus 40° F to plus 170° F
- 2-13/16" H x 6-1/4" W
- Bolt or adhesive mount (included)
- 90 Day Warranty



**#003S**

- Precision glass tube with an oil damped glass ball
- Three degree of angle plus and minus
- Bolt mount (not included)
- Used on boom trucks, rail cars, and cargo ships
- 2-1/4" H x 9" W
- 90 Day Warranty

### HIGH PRESSURE GLYCERINE FILLED GAUGE

*Multi-use  
2.5" high pressure gauge  
with 1/4" NPT input.  
Other ranges and mounting  
types available.*



1 Year  
Warranty

Part #	Description
201L-254A	2.5" 0-30hg Vacuum 1/4" Npt Glycerine Filled Gauge; Lower Mount
201L-254C	2.5" 0-30 Psi/Bar 1/4" Npt Glycerine Filled Gauge; Lower Mount
201L-254D	2.5" 0-60 Psi/Bar 1/4" Npt Glycerine Filled Gauge; Lower Mount
201L-254E	2.5" 0-100 Psi/Bar 1/4" Npt Glycerine Filled Gauge; Lower Mount
201L-254F	2.5" 0-160 Psi/Bar 1/4" Npt Glycerine Filled Gauge; Lower Mount
201L-254G	2.5" 0-200 Psi/Bar 1/4" Npt Glycerine Filled Gauge; Lower Mount

Part #	Description
201L-254H	2.5" 0-300 Psi/Bar 1/4" Npt Glycerine Filled Gauge; Lower Mount
201L-254K	2.5" 0-600 Psi/Bar 1/4" Npt Glycerine Filled Gauge; Lower Mount
201L-254M	2.5" 0-1,000 Psi/Bar 1/4" Npt Glycerine Filled Gauge; Lower Mount
201L-254P	2.5" 0-3,000 Psi/Bar 1/4" Npt Glycerine Filled Gauge; Lower Mount
201L-254R	2.5" 0-5,000 Psi/Bar 1/4" Npt Glycerine Filled Gauge; Lower Mount
201L-254U	2.5" 0-10,000 Psi/Bar 1/4" Npt Glycerine Filled Gauge; Lower Mount



**WARNING:** This product can contain Lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

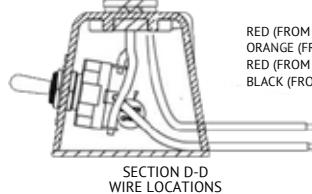
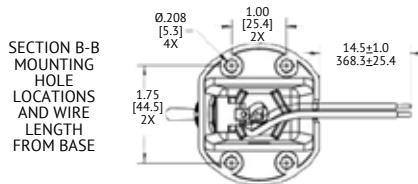
## SERVICEMATE™ CAB FAN

- Heavy Duty Die Cast Base
- Flat Four-Hole Mount
- Adjustable Tension Mount
- Two-Speed Wound Field Motor
- Mounting Gasket & Hardware
- Ground Wire Added
- 12 or 24 VDC Models
- 7.45" W x 9.92" H x 5.35" D
- One Year limited warranty



Part #	Description
SM3012	Heavy Duty 12 VDC Model

Part #	Description
SM3024	Heavy Duty 24 VDC Model



## FAN ADAPTOR KIT

This adaptor kit makes an easy retrofit for installing the SM3012 or SM3024 fan in place of Cat #5D2855 and #5D2856 or John Deere #AT74984 and #AT84953. (Includes mounting screws)

**#SM3001**



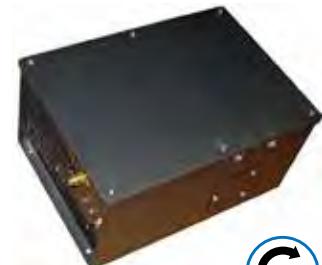
**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## ELSTON 20,000 BTU PROPANE CAB HEATER

**Great replacement for the discontinued Hunter heater brand.**

This heavy duty propane heater is great for construction, mining, and cranes. This unit is safe for use in enclosed cabs. It uses outside air and is completely separate from the inside air. This will keep you safe from carbon monoxide or other harmful exhaust you could breathe.

- Available in 12 or 24 volt operation.
- Remote control box included (already wired and installed during the manufacturing process)
- Heater Output: 20,000 BTU
- Measures: 8" H x 12" W x 16" L
- Weight: 30 lbs
- Fuel: Propane (LP gas)
- Fuel Consumption: 1 lbs/hr max
- 1 Year Limited Warranty



Part #	Description
H-C-1R	12V Propane Cab Heater
H-C-1-24VR	24V Propane Cab Heater

**⚠ WARNING:** Chemicals known to the state of California to cause cancer, birth defects or other reproductive harm are created by the combustion of propane. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



## 12,500 BTU CAB HEATER

- 3-speed motor with fan control switch
- High efficiency heating
- Tube and fin water coil with LIFETIME warranty
- 5-blade aluminum fan blade
- Rigid steel case with black texture finish
- Compact design of 7-1/16" H x 7-7/16" W x 7-3/8" D

- Easy installation
- 1/4" diameter shaft, uses 5/8" hose
- 1 year warranty on motor



Part #	Description
5030-12	12V Cab Heater
5030-24	24V Cab Heater
D-001C-686	Motor 12V
D-001C-686-24	Motor 24V
5670014	3-Speed Switch
5670004	3-Speed Switch Kit w/3' Wire Harness

### Heater Installation Kit

Kit comes with clamps, shutoff valve, return coupling and reducers.



#KT-1

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## 25,000 BTU CAB HEATER

- 2-speed motor with fan control switch
- High efficiency heating
- Tube and fin water coil with LIFETIME warranty
- 5-blade aluminum fan blade
- Rigid steel case with black texture finish
- Easy installation

- Compact design of 8-1/8" H x 8-1/2" W x 8-1/8" D
- 1/4" diameter shaft, uses 5/8" hose
- Switch kit with 3' harness included
- 1 year warranty on motor



Part #	Description
SM8000-12V	12V Cab Heater
SM8000-24V	24V Cab Heater
62020	Fan blade
D-001C-686	Motor 12V
D-001C-686-24	Motor 24V
5670014	3-Speed Switch
5670004	3-Speed Switch Kit w/3' Wire Harness

### Heater Installation Kit

Kit comes with clamps, shutoff valve, return coupling and reducers.



#KT-1

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## MARADYNE UNIVERSAL CAB FLOOR MOUNT HEATER

- 13,200 BTU / 200 CFM
- Tube and fin water coil with limited LIFETIME warranty
- Glass-filled nylon
- Built-in 2-speed fan control switch
- Heavy duty, long life motor
- Compact design
- Floor mount
- Adjustable airflow louvers
- Mounting hardware included
- 6.0 Amps @ 12V / 3.0 Amps @ 24V
- 9-7/8" H X 7-3/8" W X 7-1/4" D
- Uses 5/8" hose
- 1 year warranty on motor



### Replacement Parts

Part #	Description
TA8000767	Coil
TA7000112	Switch

#KT-1

### Heater Installation Kit

Kit comes with clamps, shutoff valve, return coupling and reducers.



 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Description
4000-12	12VDC Cab Heater
4000-24	24VDC Cab Heater

## MARADYNE 16" STOKER HEATER WITH THREE - 3" OUTLETS

- Re-Designed Universal Floor/Under Dash Mount Heater
- Uses Engine Coolant for Heat w/Tube & Fin Core
- Three Speed Heavy Duty Motor; 3" Non-Vented Wound Field Motor (Internally Grounded)
- Heavy-Duty, Injection Molded Glass-Filled Nylon Case
- 16" W x 7-9/16" H x 8-5/8" D
- Heating BTU/HR: 40,000; Air Flow Heating: 300 CFM
- Side or Front Mount; Hose Connections at Rear (5/8" Hose)
- Power Requirements: 11.6 Amps @ 12V; 5.8 Amps @ 24V
- Mounting Brackets Included; Switch sold separately

Part #	Description
MM-A1160001	12VDC Stoker Heater
MM-B1160001	24VDC Stoker Heater
5670014	3-Speed Switch
5670004	3-Speed Switch Kit w/3' Wire Harness

1 Year  
Warranty

LEAD TIME  
MAY APPLY



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### Heater Hose Kit

- 12.5 ft. - 5/8" Heater Hose
- Water Shutoff Valve
- 1/2" x 3/8" Bushing
- 5/8" Hose Connector
- 4 Hose Clamps



Part #	Description
H-64006	Heater Hose Kit

### Heater Tubes w/Louvers

- 4" x 10.45" Heater Tube
- Hose Extends an Additional 62"



Part #	Heater Tube Description
TA8000505	with Adjustable Louvers
TA8000506	with Adjustable Louvers
TA8001492	with Triple Vane Louver

### Defrost Kit with 3" Flex Duct

- 12.5 ft. - 2.5 in. Flex Duct
- 1 ft. - 3 in. Flex Duct
- 1892 - 2.5 in. "Y" Connector
- 1893 - 3 in. Step Up Adapter
- (2) 2454-1 - 7.25 in. x 1 in. Defrost Chute w/2 in. Hose End
- (2) 2453 - 7 in. x 1.5 in. Defrost Chute Grille
- (4) Assembly Screws



Part #	Description
MFA128	Stoker Defrost Kit

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### Louver Kit with 3" Flex Duct

- 12.5 ft. - 3 in. Flex Duct
- TA8000448 - 3 in. "Y" Connector
- (2) TA8000411 - Mounting Bracket for 3 in. Louver
- (2) TA8000462 - 3 in. Global Louver w/3 in. Hose Adapter
- (7) TA8000464 - 14 in. Plastic Ties



Part #	Description
MFA130	Stoker Louver Kit

## KAT'S CIRCULATION TANK HEATERS

Part #	Watts	Voltage	Amps	Capacity in Quarts
13100	1000	120	8.3	16 - 25
13150	1500	120	12.5	26 - 40
13200*	2000	120	15	41 - 60



\*With 15 Amp Plug

- Made of die cast aluminum
- One piece molding
- Uses 5/8" hose
- Thermostatically controlled 135 - 175°F
- 5' HPN 105°C
- Uses versatile strap type mounting
- CSA approved

**WARNING:** This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



*Call to request the full line catalog of Kat's products*

## KAT'S UNIVERSAL HOT PAD HEATERS

### Use to heat:

- Engine oil
- Transmissions
- Gear Boxes
- Hydraulic Tanks
- Diesel Fuel Filters
- Water Tanks

### Easy Do-It-Yourself Installation

#### Benefits:

- Reliable cold weather starting
- Improved crankability for reduced engine wear
- Immediate lubrication for longer engine life
- Pre-applied adhesive for easy installation



Oil pan

**⚠️ WARNING:** This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



**TECH TIP**

Usage Guide				
Application	100 Watts	150 Watts	250 Watts	500 Watts
Engine Oil Pan	2-5 Quarts	5-8 Quarts	8-20 Quarts	20-35 Quarts
Diesel Tank	5-7 Gallons	7-10 Gallons	10-20 Gallons	20-30 Gallons
Hydraulic Tank	1-5 Gallons	5-10 Gallons	10-20 Gallons	20-30 Gallons
Water Tank	0-2 Gallons	2-4 Gallons	4-7 Gallons	7-10 Gallons

- Not for use on batteries
- Do not cut pad
- Always place heater on metal reservoir before plugging in heater

- Application ranges may vary depending on outside temperature
- Do not use pads with higher than recommended wattage for specific capacities

## KAT'S SUPER HEAT MAGNET

### #1155

- 200 watts, 120 VAC
- 8 square inches of heating surface
- 4' cord



### #1190

- 300 watts, 120 VAC
- 20 square inches of heating surface
- 4' cord



**⚠️ WARNING:** This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Call us for all your ZeroStart Products

- Block Heaters
- Circulation Heaters



- Diesel Starting Fluid Systems
- Blanket Battery Heaters



## 4" ROUND TAIL LIGHTS

Continued on next page

### PETERSON LUMENX® 4" ROUND LED TAIL LIGHTS

- Kits includes light, grommet for mounting and AMP-compatible connector integrated into housing
- 9 White Diodes behind Lens
- 9-32 VDC
- Regulated design provides voltage protection and consistent light output over a wide voltage range.
- Amber meets DOT standards for side marker and front & rear turn signal
- 4.25" Dia. x 1.42" D



Part #	Description
817KR-9	Red Stop/Turn/Tail Light Kit
817KA-9	Amber Turn Signal Light Kit
817KC-9	Clear Reverse Light Kit

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### UNI-BOND 4" ROUND LED STOP TURN TAIL LIGHT (S/T/T)

- Kit Includes Grommet & PL3 wire connector
- Mounting type: Open grommet + pigtail
- SAE: S2T216
- 12-24 VDC



#KTL4000M-10R



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### UNI-BOND 4" ROUND 10-DIODE LED BACKUP LIGHT

- 12 VDC; 0.03/0.21 @ 12V
- Sealed Acrylic Lens and ABS Base
- 4.25" Dia. x 0.75" H x 1.5" D
- SAE 16P

Part #	Description
LED4000G-10CP	LED Round Back-Up AMP Lamp (light only)
PT9181-1	Straight Plug; 6" Lead w/Weatherproof 3-Pin AMP Connection



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### UNI-BOND 7-DIODE HEATED 4" ROUND LED TAIL LIGHTS

*Clear and safe no matter the weather*

- Heating element is thermostat controlled to ensure constant level of heat and to ensure over-heating does not occur
- 12 VDC
- Uses standard 3-prong plug (sold separately), 9" lead & 1 #10 ring terminal
- Polycarbonate Housing and Lens; Grommet sold separately
- 4.25" Dia. x 0.75" D
- Approvals: SAE S2T163T (Red), SAE I6 (Amber), SAE 2R (Clear)

Part #	Description
LED4000H-7R	Red Stop/Turn/Tail Light
LED4000H-7A	Amber Turn Signal Light
LED4000H-7C	Clear Reverse Light

Part #	Description
PT9180P	Double Contact Straight Plug Pigtail
PT9530P	Double Contact Right Angle Plug Pigtail
GR4000P	4" Round Open Back Grommet



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### SUPERNOVA® 4" ROUND LED 10-DIODE TAIL LIGHTS

- Encapsulant potting for total circuit board protection
- Uses same UBS pigtail as male pin incandescent
- Tin-plated, solid-brass pin terminals
- 12 Volt
- Grommet Mount
- Meets FMVSS 108 Regulations



Grote



Part #	Description
53252	Stop/Turn/Tail Light, Male Pin
53253	Amber Auxiliary Turn Signal, Male Pin
67002	3-Wire Plug-In Pigtail, Male Pin, 11-Inch
53552	Red Stop/Turn/Tail Light, Hard Shell
53553	Amber Auxiliary Turn Signal, Hard Shell
66861	3-Wire Standard 4-Pin Hard Shell Connector, 10-Inch

## 4" ROUND TAIL LIGHTS

Continued from previous page

## SUPERNOVA® NEXGEN™ 4" ROUND LED SINGLE AND DUAL-SYSTEM LED BACKUP LIGHT

- Fits standard 4" lamp grommets and brackets
- Single-system capability allows one-lamp system to meet all back-up function requirements
- Hermetically sealed lamp prevents water intrusion
- Hard-coated lens for long-term UV protection
- Meets FMVSS 108 and ECE Compliance Requirements
- 12 Volt; .40 Amps



Part #	Description
62091	Backup Light, Male Pin
67013	2-Wire Plug-In Pigtailed, Male Pin Connector
62101	Backup Light, Hard Shell
66862	2-Wire Standard 4-Pin Hard Shell Connector, 10-Inch
43572	4-Inch Round Steel Mounting Bracket, 90° Angle

## HI COUNT® 4" ROUND LED 24-DIODE STOP TAIL TURN LIGHT KIT

- Standard female connection accepts all popular plug-in connectors
- 12 Volt; .03A (Tail); .56A (Stop)
- Female Pin Universal 90 degree PL-3 Plug
- Meets FMVSS 108 Regulations
- Includes G4002 Light, 91740 grommet, & 67090 PL-3 plug



Part #	Description
G4012	Red Stop Tail Turn Light, Grommet Mount

## 4" ROUND LIGHT BRACKETS &amp; REPLACEMENT GROMMET

- Universal with most 4" round lights

Part #	Description
MB4000P	4" round light bracket grommet or flange Mt.
GR4000P	4" round light replacement grommet



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## 6" OVAL TAIL LIGHTS

Continued on next page

## PETERSON LUMENX® 6" OVAL LED TAIL LIGHTS



- 10 White Diodes behind Lens
- 9-32 VDC 6"
- Kits Includes Grommet for mounting and AMP-compatible connector integrated into housing
- Regulated design provides voltage protection and consistent light output over a wide voltage range.
- Amber meets DOT standards for side marker and front & rear turn signal
- 6.5" W x 2.31" H x 1.45" D



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

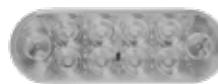
Part #	Description	Mount
820KR-10	Red Stop/Turn/Tail Light	Grommet
823KR-10	Red Stop/Turn/Tail Light	Flange
820KA-10	Amber Turn Signal Light	Grommet
820KC-10	White Reverse Light	Grommet
M820A-10	Amber Turn Signal Light	Light Only

## UNI-BOND 6" OVAL LED BACKUP LIGHT

- 10 LED Diodes
- 12 VDC; 0.02/0.11 @ 12V
- Sealed Acrylic Lens and ABS Base
- 6.5" W x 2.25" H x 0.75" D
- Uses 3-Pin AMP Connection
- SAE R2



Part #	Description
LED2238G-10CP	LED Oval Back-Up AMP Lamp (light only)
PT9181-1	Straight Plug; 6" Lead with Weatherproof 3-Pin AMP Connection



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



*Don't forget, you need wire and connectors to install those new safety lights. If you don't see what you need, let us know. We can get them for you!*

## 6" OVAL TAIL LIGHTS

Continued from previous page

### UNIBOND HEATED 6" OVAL LED TAIL LIGHTS

- 6 LED Diodes
- Heating element is thermostat controlled to ensure constant level of heat
- 12 VDC Application
- Polycarbonate Housing and Lens
- Uses standard 3-prong plug (sold separately), 9" lead & 1 #10 ring terminal



- Grommet sold separately
- 6.5" L x 2.25" W x 1" D
- Approvals: SAE S27163T (Red), SAE I6 (Amber), SAE 2R (Clear)



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Description
LED2238H-6R	Red Stop/Turn/Tail Light
LED2238H-6A	Amber Turn Signal Light
LED2238H-6C	Clear Reverse Light

Part #	Description
PT9180P	Double Contact Straight Plug Pigtail
PT9530P	Double Contact Right Angle Plug Pigtail
GR2238P	6" oval light replacement grommet

### SUPERNOVA® 6" OVAL LED 9-DIODE TAIL LIGHTS

- Fits current mounting flanges and grommets
- Electronics completely encapsulated with durable epoxy for maximum protection
- Grommet Mount
- Meets FMVSS 108 Regulations
- 12 Volt



Part #	Description
54132	Stop/Turn/Tail Light, Male Pin
54133	Amber Turn Signal, Male Pin
67002	3-Wire Plug-In Pigtail, Male Pin, 11-Inch
54142	Red Stop/Turn/Tail Light, Hard Shell
54143	Amber Turn Signal, Hard Shell
66861	3-Wire Standard 4-Pin Hard Shell Connector, 10
92420	6-Inch Oval PVC Open Grommet

### SUPERNOVA® 6" OVAL LED BACKUP LIGHTS

- Encapsulant potting for total circuit-board protection
- 12 Volt Application

- Meets FMVSS 108 Regulations

#### Single-System

- Legal for horizontal mount only
- Male pin plug-and-go installation
- Retrofit equipment from Volvo® trucks with Grote tail lamp system



#### Dual-System

- Lamps must be mounted vertically
- Requires two lamps to meet backup function
- Fits standard oval lamp grommets and brackets



Part #	Description
62561	Backup Light, Male Pin (Single System) Horizontal Mount Only
62051	Backup Light, Male Pin (Dual System) Vertical Mount Only

Part #	Description
67013	2-Wire Plug-In Pigtails for Male Pin Connector
92420	6-Inch Oval PVC Open Grommet
43362	90 Degree Angle Steel Bracket

### HI COUNT® 6" OVAL LED STOP TAIL TURN LIGHTS

- Fits same connections as female incandescent lamps
- Female pin connection accepts all popular plug-in connectors
- 12 Volt Application
- Grommet Mount
- Meets FMVSS 108 Regulations



Part #	Description
G6002	Red Stop/Turn/Tail Light, Female Pin
67090	3-Wire Universal 90° PL-3 Plug, 13-Inch
92420	6-Inch Oval PVC Open Grommet

### 6" OVAL LIGHT BRACKETS & REPLACEMENT GROMMET

- Universal with most 6" Oval lights



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Description
MB2238P	6" oval light bracket grommet or flange mount
GR2238P	6" oval light replacement grommet
421-18	Peterson 6" Oval Black PVC Grommet
92420	Grote 6-Inch Oval PVC Open Grommet

## RECTANGULAR TAIL LIGHTS

### HI COUNT® 15-DIODE RECTANGULAR LED S/T/T LIGHT

- Meets photometric requirements for front, park and turn
- Hermetically sealed polycarbonate lens and housing
- Standard female pin connection provides easy retrofits
- Potted for total circuit board protection against vibration
- Vertical or horizontal mounting
- 12 Volt Operation
- 5-9/32" L x 3-13/32" W x 1-13/16" D
- Meets FMVSS 108 regulations
- 2 year warranty



Part #	Description
G4502	Red Stop, Tail & Turn Light
G4503	Amber Turn Signal
94180	PVC Rectangular Grommet

### RECTANGULAR LED AMBER TURN SIGNAL AND RED STOP TURN TAIL (S/T/T) LIGHT

- 11-diodes
- Certified to meet FMVSS 108 (USA) & ECE (European) requirements in horizontal or vertical position
- Sealed lens and housing meet IP67 ingress protection level
- Potted, hard-wired terminals for durability

Part #	Description
850R-1P	Red, Stop Turn & Tail Light

- 9-32 Volt operating range
- ECE and DOT compliant
- Includes hardwired PL3 Plug
- Fits 139mm x 91mm grommet hole with 19mm corner radius
- Grommet B850-18 sold separately
- 5.30" W x 3.44" H x 1.34" D

Crossover:  
Atlas  
1310074138



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Description
850A-1P	Amber Turn Signal

### GREAT WHITE® 850C RECTANGULAR LED BACK-UP LIGHT

- 20-diode, rectangular back-up light with Peterson's extra-bright Great White® diodes
- Meets DOT & ECE/ADR requirements
- Completely sealed, waterproof lens and housing
- 12-24 Volt operating range
- ECE and DOT compliant
- 12" leads with hardwired PL3 plug
- 5.30" W x 3.44" H x 1.34" D
- Grommet B850-18 sold separately



Part #	Description
850C-1P	Back-Up Light
B850-18	PVC Grommet for 850 Series Lights

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## TRANSPORT LIGHTING ACCESSORIES

Continued on the next page

### PL-3 PLUG



421-491

Part #	Description
421-491	3 Wire PL-3, Right Angle, 10.5"
431-491	3 Wire PL-3, Straight, 10.5"



431-491

- 3-wire plugs for single or double contact sealed lamps
- Includes #10 ring terminal on ground wire; hot wire is stripped



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### LED AMP PLUG ADAPTERS

- 3-wire hard-shell, weatherproof plug
- 417-49 includes stripped hot wires; ground wire provided w/ #10 ring terminal and heat shrink tubing for additional corrosion protection
- 417-491 adapter plug fits 421-491 and 431-491 plugs
- Grease is not recommended on AMP-style connections



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### PL-3 PLUG

Part #	Description
67090	3 Wire PL-3, 90° Angle, 13-Inch
67000	3 Wire PL-3, Straight, 11.5-Inch



Grote



67000

- Dual function for S/T/T lamps, blunt-cut /ring terminal wires

## TRANSPORT LIGHTING ACCESSORIES

Continued from previous page

### HARD SHELL CONNECTOR

Part #	Description
66861	3 Wire Standard 4-Pin, 10-Inch
66860	3 Wire Female Hard Shell to PL3, 5-Inch



- For use with 4" round and oval S/T/T lamps

### ADAPTER PLUG FOR HARD SHELL CONNECTORS

Part #	Description
67006	3 Wire Hard Shell to Straight Male Pin, 5-Inch



- Competitive Harness to Male Pin Connector
- For use with 4" round and oval S/T/T lamps

### STRAIGHT AMP PLUG CONNECTOR

Part #	Description
PT9181-1	6" lead with Weatherproof 3-Pin Connector



### CONNECTION ADAPTOR PLUGS

Part #	Description
PT9582-3	Straight Plug to Male Pin Connection Adaptor
PT9583-3	Right Angle Plug to Male Pin Connection Adaptor

- Converts male 3-pin round plug to industry standard 3-prong plug
- 5" lead wire



### COMBINATION LIGHTS

Continued on the next page

### DORADO N70 HEAVY DUTY LED TAIL, STOP & INDICATOR LIGHT

- Versatile tail light combining tail, stop, and indicator lights all in one unit
- Can be mounted on most vehicles, and mounting is a snap since this is a tell-tale\* compatible light, just plug & play
- Voltage: 24VDC
- Shock: 60G; Vibration: 20Grms 24-2000Hz
- Lens/Housing: PC Lens with Aluminum Housing
- Connector: 4 Pin Male Terminal 6.3 x 0.8
- Dimensions: 4.8" W x 4.8" H x 2.2" D
- IP Rating: IP21
- EMC: EN 12895, ISO 13766, ISO 14982, ISO 7637-2



NORDICLIGHTS

#983-001B  
Previously Sold As  
#983-007U



\*Due to the low power consumption of the Dorado indicator LED, some vehicles may require an additional electrical load to ensure the circuit functions correctly. The "tell-tale" is the additional load required by the vehicles system and is included in the lamp assembly.

### ECCO STOP-TAIL-TURN-REVERSE/WARNING LIGHT COMBO

- 12-24 VDC
- Clear center reverse warning, red perimeter stop-turn-tail
- 69 flash patterns
- Vibration and shock resistant
- PL3 Connector for ground, stop/turn, tail
- SAE Class 1, D.O.T. Certified (I, S, T, R, W-1)
- R10, IP67, IP69K, RoHS
- 5 Year Warranty



Part #	Description
ED3040AW	4-Inch Round Stop/Turn/Tail and Warning Combination Light with Grommet
ED3060AW	6-Inch Oval Stop/Turn/Tail and Warning Combination Light with Grommet

**WARNING:** Cancer and Reproductive Harm - www.P65Warning.ca.gov.

### UNI-BOND LED MULTI-FUNCTION LAMP KIT

- Function: Stop / Turn / Tail / Back-Up
- Open Grommet with PT9181-4 Weatherproof Connector
- SAE: 16S2(3)T(2)R (Round), SAE: STL(2)R (Oval)
- 12 VDC; Amp Draw: 0.03/0.33 (Round); 0.02 0.27/ (Oval)
- Dimensions: (Round) 4.31" Dia. x 0.75" D, (Oval) 6.5" L x 2.25" T x 0.75" D
- Mounting Clearance: 1.5" Depth
- Lens: Acrylic; Body: ABS



Part #	Description
KTL4000G-13RW	9 LED 4" Round Stop/ Turn/ Tail/ Plus 4 Back-Up
KTL2238G-14RW	10 LED 6" Oval Stop/ Turn/ Tail/ Plus 4 Back-Up

**WARNING:** Cancer and Reproductive Harm - www.P65Warning.ca.gov.

## COMBINATION LIGHTS

Continued on the next page

### UNI-BOND STOP-TAIL-TURN-REVERSE + WARNING LIGHT

- LED Stop/Turn/Tail Back-Up and Warning Lamp
- Fits existing mounting grommets, brackets and flanges

- 12 VDC; 0.8A @ 12V
- Polycarbonate housing and lens
- 5 flash patterns

- SAE Class 1 + S2T2I6R
- FMVSS 108, CMVSS 108, IP67



Part #	Description
LED4000E-21AW	4" Round Stop/Turn/Tail/Reverse + Warning Lamp
LED2238E-22AW	6" Oval Stop/Turn/Tail/Reverse + Warning Lamp
GR4000P	4" Round Open Back Grommet
GR2238P	6" oval light replacement grommet



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### 4" ROUND STOP TAIL TURN LIGHT WITH INTEGRATED BACKUP

- Combines all Stop Tail Turn and Backup functions into one lamp.
- Assembled in Stainless Steel Flange
- Protection from reverse voltage, over voltage, electrical transients, and overheating
- Meets electrical specifications of all major Class 8 truck manufacturers
- 12 Volt Application
- Meets FMVSS 108 Regulations



66863

66865



Part #	Description
55162	4-Inch Round Stop/ Turn/ Tail Plus Back-Up
66863	Male Pin / 4-Way Hard Shell
66865	3-Way Hard Shell / 4-Way Hard Shell

### 6" OVAL STOP TAIL TURN LIGHT WITH INTEGRATED BACKUP

- Innovative patent-pending design combines all Stop/Tail/Turn and Back-up functions into one industry standard size lamp
- Can replace a Back-up light on power modules



- 12 Volt Application
- Symmetrical design meets legal requirements at any mounting angle.
- Meets FMVSS 108 Regulations

Male Pin  
Termination

Part #	Description
54672	6-Inch Oval Stop/ Turn/ Tail Plus Back-Up
67002	3-Wire Plug-In Pigtail, Male Pin, 11-Inch
67013	2-Wire Plug-In Pigtailed, Male Pin, 11-Inch
92420	6-Inch Oval PVC Open Grommet

Integrated Hard Shell

Part #	Description
54702	6-Inch Oval Stop/ Turn/ Tail Plus Back-Up
66861	3 Wire Standard 4-Pin, 10-Inch
66862	2-Wire Standard 4-Pin Hard Shell, 10-Inch
92420	6-Inch Oval PVC Open Grommet

### HI COUNT® LED STOP TAIL TURN LIGHT

- Includes reflex reflector
- 16 stop/tail/turn diodes, 22 backup diodes and 4 license diodes
- Potting protects against vibration and corrosion
- Circuit-board protection is compatible with existing flasher technology
- Mounting hardware and instructions for easy installation/retrofit
- 3 stud mounting design incorporates ground function
- Gasket between lens and housing protects against moisture intrusion
- 5-3/4" W x 6-3/4" H x 2-7/8" D
- 12 Volt Application
- Meets FMVSS 108 Regulations



Part #	Description
G5082	Stop/Tail/Turn/Back-up without Side Marker, Right Hand
G5092	Stop/Tail/Turn/Back-up without Side Marker, Left Hand with License Window

## COMBINATION LIGHTS

Continued from previous page

### LED COMBINATION TAIL LIGHT

- 12 VDC Universal Combination LED Stop Turn Tail with Reverse Light
- Light may be used on either right or left (license plate light included)
- SAE: AS2T(3)R/L • 5-7/8" L X 6-3/4" W X 2-7/8" H

Part #	Description
LTL6400	LED combination Stop Turn Tail with reverse light



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### SLIM LINE LED STOP-TURN-TAIL-BACKUP LIGHT BAR

- Red Stop-Turn-Tail and White Back-up
- 12 VDC; 0.3 Amps @ 12V
- 15.5" L x 1.25" W x 0.67" D
- Mounting on 14-1/2" Centers
- Polycarbonate Lens and Body
- SAE: S2T2(2)R



Part #	Description
LLB1155S-12RWP	8 LED Stop/ Turn/ Tail/ Plus 4 Back-Up

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### LED SURFACE MOUNT MINI FLOOD LAMP W/AMBER WARNING

- 582 Effective Lumens
- 145 Ft. Optimal Penetration
- High Impact Proof lens
- Curved Lens for Wider Light Spread
- Reverse Voltage Protection
- Auxiliary Reverse Light
- Adjustable Stainless Steel Mounting Bracket
- 10-30 VDC
- Aluminum Housing with Polycarbonate Lens
- 3.5" L x 1.8" W x 0.6" D
- SAE J595 Class 2
- IP67 & IP69K, EMC, and RoHS Compliant



#LW3502AW

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



## MARKER LIGHTS

Continued on the next page

### THIN-LINE LED SEALED MARKER BAR

- Sealed marker lamps are resistant to shock and vibration
- Rated to 100,000 hours of service life
- Impact-resistant housing is sealed for moisture protection
- 12 Volt Application
- 15.5" L X 1.6" W x .77" D
- Meets FMVSS 108 Regulations



Part #	Description
49192	Thin-Line LED Sealed Marker Bar

### PETERSON 3/4" LED MARKER LIGHTS

- Compact single diode design
- Fits 3/4" hole
- Hardwire 8" leads
- 9-32 VDC
- Includes mounting grommet



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



Part #	Description
181KA-MV	3/4" LED Amber Marker Light
181KR-MV	3/4" LED Red Marker Light

### UNI-BOND 3/4" LED MARKER LIGHTS

- Lamp with 6" wire lead and rubber grommet
- 12 VDC; 0.04A @ 12V
- Single diode
- Polycarbonate lens
- Meets FMVSS 108 Regulations



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Description
LED0720A	3/4" Amber Marker Light
LED0720AC	3/4" Amber/Clear Marker Light
LED0720B	3/4" Blue Marker Light
LD0720C	3/4" Clear Marker Light
LED0720G	3/4" Green Marker Light
LED0720R	3/4" Red Marker Light

**MARKER LIGHTS**

Continued on the next page

**MICRONOVA® DOT 3/4" LED CLEARANCE MARKER LIGHTS**

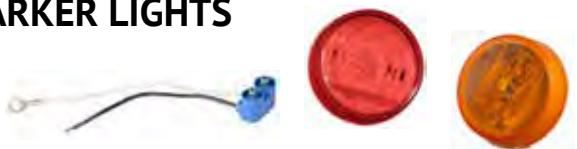
- Provides a bright pinpoint of light exactly where it is needed
- Extends less than 3/8" from mounted surface
- No fasteners required
- Grommet Mount
- Standard .180" Male Bullet Connection
- 12 Volt Application
- Meets FMVSS 108 Regulations



Part #	Description
49333	Amber PC Clearance Light with Grommet
49332	Red PC Clearane Light with Grommet

**SUPERNOVA® 2" LED CLEARANCE MARKER LIGHTS**

- Hermetic lens-to-housing seal
- Encapsulant potting for total circuit board protection
- Meets PC function when mounted at a 45° angle
- Tin-plated, solid-brass terminals are sealed to housing, to resist corrosion and eliminate failure-causing leak paths
- PL-10 Connection
- Uses same UBS double-seal pigtail as incandescent for quick Plug-and-Go® retrofit
- 12 Volt Application
- Meets FMVSS 108 Regulations



Part #	Description
47113	Amber 2-Inch Marker Light
47112	Red 2-Inch Marker Light
67001	PL-10 Double Seal to Ring Terminal Ground/6-Inch Blunt Cut Wire

**UNI-BOND 2" ROUND LED MARKER / CLEARANCE LIGHTS**

- Kit includes: 12-24 VDC Light, Open Back Grommet, & Standard 2 Wire Plug
- Single Diode lamps and 10 diode lamps
- 10 Diode lamps feature the attractive "Star Pattern"



Part #	Description
KTL2000M-1R	Single diode, 2" red LED
KTL2000M-1A	Single diode, 2" amber LED
KTL2000M-10R	Ten diodes, 2" red light LED, Star Pattern
KTL2000M-10A	Ten diodes, 2" amber light LED, Star Pattern



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

**SUPERNOVA® 2.5" LED CLEARANCE MARKER LIGHTS**

- Hermetic lens-to-housing seal
- Encapsulant potting for total circuit-board protection
- Uses the same UBS double-seal pigtail as the incandescent version for a quick Plug-and-Go® retrofit
- Tin-plated, solid-brass terminals are sealed to housing, to resist corrosion and eliminate failure-causing leak paths
- P2 Function
- PL-10 Connection
- 12 Volt Applications
- Meets FMVSS 108 Regulations



Part #	Description
47123	Amber 2.5-Inch Marker Light
47122	Red 2.5-Inch Marker Light
67001	PL-10 Double Seal, Ring Terminal Ground, 6-Inch Blunt Cut Wire
91400	PVC Open Grommet, Fits 2.5-Inch Round Lamps

**UNI-BOND 2.5" ROUND LED MARKER/ CLEARANCE LIGHTS**

- Kit Includes: 12-24 VDC Light, Grommet, & Standard 2 Wire Plug
- 13 Diodes, Creates the attractive "STAR" pattern
- SAE: P2



Part #	Description
KTL2500M-13A	2.5" Round Amber

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



**MARKER LIGHTS***Continued on the next page***HI COUNT® 2.5" LED CLEARANCE MARKER LIGHTS**

- Hermetic lens-to-housing seal
- Uses the same UBS double-seal pigtail as the incandescent version for a quick Plug-and-Go retrofit
- Twist-on mounting for easy installation
- Fits all popular mountings and grommets
- P2 Function
- PL-10 Connection
- 12 Volt Application
- Meets FMVSS 108 Regulations



Part #	Description
G1033	Amber 2.5-Inch Marker Light
G1032	Red 2.5-Inch Marker Light
67001	PL-10 Double Seal, Ring Terminal Ground, 6-Inch Blunt Cut Wire
91400	PVC Grommet, Fits 2.5-Inch Round Lamps

**2X3 OVAL LED MARKER/CLEARANCE LIGHT**

- 12 Volt Application
- 6-diode, oval LED light perfect for light & medium duty applications
- Functions as a clearance or side marker light with built-in reflector optics. Eliminating the need for separate reflector
- Meets DOT lighting requirements
- 4.13" W x 2" H x 1.03" D
- Mounts on industry standard 3" centers
- Includes both lead & ground wire for mounting to all surfaces



Part #	Description
V180A	Amber LED Clearance/Side Marker Light w/ Reflex
V180R	Red LED Clearance/Side Marker Light w/ Reflex

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

**PETERSON LED SIDE MARKER LIGHTS**

- 9-32 VDC
- Chrome Bezel
- 3.95" W x 1.35" H x 0.75" D
- Mounts on 1-15/16" centers

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



Part #	Description
168XA-MV	4" Long Amber LED Side Marker
168XR-MV	4" Long Red LED Side Marker

**MICRONOVA® OVAL LED CLEARANCE MARKER LIGHTS**

- Hermetic lens-to-housing seal
- Encapsulant potting for total circuit board protection against vibration and corrosion
- Grommet mount versions have no exposed fasteners
- Chrome Plated Bezel
- Standard .180" Male Bullet Connection
- P2 Function
- 12 Volt Application
- Meets FMVSS 108 Regulations



Part #	Description
47953	3-Inch Long Amber Side Marker w/Chrome Bezel
47952	3-Inch Long Red Side Marker w/Chrome Bezel

**Don't Forget Your Electrical Accessories**

- Battery Terminals
- Connectors
- Fuses & Breakers
- Nylon Ties
- Plugs & Receptacles
- Wire & Split Loom

## MARKER LIGHTS

Continued from previous page

### 2.5" OVAL LED CLEARANCE MARKER LIGHTS

- Surface mount design for easy installation
- Sealed lamps provide better protection from moisture intrusion
- Chrome Plated Bezel; Blunt Cut 2-Wire Connection
- P3, P2 Function
- 2-Screw Mount
- 2-5/8" W x 1" H x 11/16" D
- 12 Volt Application
- Meets FMVSS 108 Regulations



Part #	Description
45003-5	2.5-Inch Long Amber Side Marker w/Chrome Bezel
45002-5	2.5-Inch Long Red Side Marker w/Chrome Bezel

### DOUBLE-FACE LED ROUND PARK & TURN LIGHT

- Front Amber lens, Rear Red lens
- Reversible for use on either side
- Single stud pedestal mount
- Chrome die-cast housing
- 4.2" W x 6.1" H x 1.8" D
- 12 volt Application
- 3-wire electrical connection



#V338-2

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### 4" HI COUNT® DOUBLE-FACE LED LIGHT

- Attractive, multiple-diode design
- Two-wire double-contact installation
- Heavy-duty housing with hard-wired connection for variable wiring options
- 4" Diameter
- 12 Volt Applications
- Meets FMVSS 108 Regulations



#G5300



## LICENSE PLATE LIGHTS

### UNI-BOND LED LICENSE PLATE LAMP

- 12 VDC; 0.08A @ 12V
- 2-Diodes
- Chrome plated Steel housing
- Polycarbonate lens
- 2-wire connection
- Mounting on 2" Centers
- 2.75" W x 1.5" H x 2" D
- 2 year warranty

#LLP300P



 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### LED LICENSE PLATE LIGHTS



#V296XC



*Requires two lights to meet DOT license light requirements when mounted to side of license plate. Single unit meets DOT requirements when mounted ABOVE license plate.*

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### ECCO LED LICENSE PLATE LIGHTS



The EW0206 Series license plate light offers the latest technology and the very brightest white light for your application. Designed for DOT vehicles working in inclement weather.

- 2.5" Lamp
- Chrome Bezel
- 30 Lumens
- 12-24 VDC
- DOT Certified, RoHS Compliant



#EW0206

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## SIGNAL LIGHTS

### MAGNETIC LED SIGNAL LIGHTS

- Dual function flashing/steady burn
- Available in Amber or Red
- Use 4 AA batteries (not included)
- 2" H x 6-3/8" L x 4" W
- 2 year warranty

Part #	Description
LEDM4069-18A	Amber LED Signal Light
LEDM4069-18R	Red LED Signal Light



 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## MODEL 9800 HS HEATED LED SNOWPLOW HEADLIGHTS

The Model 9800 HS snow plow headlights from J.W. Speaker are **designed for municipal snowplows traveling on highways**. The upgraded lens and SmartHeat® system from the standard 9800 is **designed to withstand the brutal conditions of high-speed plowing**. The Model 9800 HS offers a SmartHeat® heating system that adjusts to ambient temperatures to automatically clear lenses of ice and snow, keeping drivers safe in brutal conditions.



**#0555743**  
Sold in pairs



MADE IN  
U.S.A.



- SmartHeat® heated lens technology designed for highway and high-speed plowing
- 12-24 Volt operation
- Effective lumens: 1,150 (high beam); 800 (low beam)
- Advanced lens & heater design to help minimize ice bridging
- UV-Resistant polycarbonate lens and Xenoy housing prevents rust and corrosion
- High & low beam headlights with amber turn signal
- Low 5" profile design increases driver's line of sight
- Fully DOT-compliant for use on and off-road



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

- 11.48" W x 3.72" H x 5.24" D
- Universal pedestal mount
- Mating connector: Delphi (#12052848)
- Retrofits pedestal mount snow plow lights

*Not designed to be a plug and play for Boss snow plows*



## HEATED LED DUAL HEADLAMP KIT

*Auto ON/OFF Lens Heater*

- Lumens (per lamp): 3,560 High Beam / 1,620 Low Beam
- Optimal Penetration: 1,650 High Beam / 1,110 Low Beam
- SAE/DOT Compliant for Legal On-The-Road Use
- High Beam/Low Beam/Turn Signal/Parking
- Built-in 6-pin Deutsch Connector
- Pressure Relief Vent
- Reverse Voltage & Voltage Surge Protection
- Aluminum Alloy Shock Absorbing Mounting Bracket
- 10-30 VDC; Amps (per lamp): High Beam 3.7A @ 12V; Low Beam 1.6A @ 12V / Heater 3.0A @ 12V
- 8-2/3" W x 7-7/9" H (including bracket) x 3-5/7" D
- EMC, RoHS, IP68, IP69K
- Optional PT8167 Wire Harness Available



**#LWP6900H-2K**

Sold in pairs



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## LED **DRIVE/PLOW LIGHTS**

*Continued from previous page*

### CHL2 LED HEATED HEADLIGHT

The ABL high-low beam combination headlight offers better output, improved photometry while introducing a unique feature, the active and autonomous de-icing! Automatically detects the presence of frost/snow (by measuring the lens temperature) and activates the de-icing resistance to turn it off once the frost/snow has been removed.

- Functions: Low Beam / High Beam / Turning indicator / Position Light / DRL / Active De-icing
- Polycarbonate Lens with Built in Thermal De-icing
- 12-24V Multi-voltage
- Protected Against Reverse Voltage
- Vibration Resistance 15 Grms / 60G Shock
- Electronic Thermal Management Protects Against Overheating
- 9" W x 8" H (including bolt) x 5" D
- EMC CISPR25 Class 5, IP68, IP69K
- SAE DOT Approval - ECE Right/Left hand Traffic
- 5 Year Warranty



MADE IN  
U.S.A.



**DOT**  
APPROVED

Part #	Description
3832-0090	Two LED Plow Lights with Heating Element built in Lens + Plug & Play 6-Pin DT pigtail

## HALOGEN **DRIVE/PLOW LIGHTS**

### 3800 SERIES HALOGEN COMBINATION HEADLIGHT

The 3830 combination drive light is a family of SAE approved for on-road and off-road vehicles. The clear glass lens and free-form reflector provide ideal road illumination in an innovative but rugged and durable design. Along with a bottom mounting configuration, this light incorporates a moisture eliminating breather, parking light, and a side repeater. Available in 12 or 24 volt. Dimensions: 9.45" W x 6.46" H x 5" D

Part #	Description
3830-12V	Snowplow Lights (Pair) 12V 55W/60W
3830-24V	Snowplow Lights (Pair) 24V 70W/75W



**DOT**  
APPROVED

MADE IN  
U.S.A.



6 Month  
Warranty

Crossover: Volvo 16249254  
and 16249255 (left and right)

### 3005 HALOGEN COMBINATION SNOWPLOW LIGHT

*Recommended for construction equipment applications*

- Plastic housing
- Bonded glass lens
- H4 hi/low driving light, pilot & turn signal light included
- Used by Caterpillar, IH Case
- Dimensions: 6.06" W x 8.18" H x 5.03" D
- Integrated drive light with pilot and turn signal functions
- DT Plug not Included

Part #	Description
3005-12V	12V integrated Headlamp
3005-24V	24V integrated Headlamp
14.735	6-Pin Deutsch Connector



**DOT**  
APPROVED



6 Month  
Warranty

ABL 3005-12V CATERPILLAR:

3E-7584, 3E-7585, 3E-9382, 212-9357, 212-9358

ABL 3005-24V CATERPILLAR:

3E-7586, 105-4849, 105-4850, 203-7626, 203-7625

HYUNDAI: 21LM-02200, 21LM-02210

KOMATSU: 1433407H91



WHEEL LOADERS



EXCAVATORS

## Operate at full capacity

With NORDIC LIGHTS® complete upgrade packages for excavators and wheel loaders, you gain the advantage of superior CRI, a glare-free work site, and perfect visibility of the work area. Dig right into your core work, instead of pondering which lights fit your vehicle the best. We already did the planning for you.

The placement and choice of work lights are meticulously planned to give you perfect color rendering and an even distribution of light all around your vehicle.

The Scorpius PRO 415 PH delivers a glare-free zone, while the Scorpius PRO 445 on the cabin provide excellent visibility of the work area. Add the Pictor 620 to the boom of your excavator and you'll have optimized precision lighting.



### Avoid accidents

People & obstacles can be seen clearly



### Improve efficiency

CRI  $\geq 80$  enables you to distinguish different materials



### Boost productivity

Able to work 24/7, no need to rely on daylight



### Save money

Increased cost-effectiveness frees up time and resources

## HALOGEN LIGHTS

### UNI-BOND 4" ROUND HALOGEN LAMP ASSEMBLY/HOUSING

Adjustable base, Par 36 rubber lamp assembly and 4411 4-1/2" diameter sealed beam installed.

- 12 Volt, 35 Watt
- Multi-Purpose



#32-4411



### ABL 4" SQUARE HALOGEN LAMP ASSEMBLIES

- 4.09" W x 3.7" H x 3.27" D (4.92" H w/bracket)
- 6 Month Warranty



### ABL 3X5 RECTANGULAR HALOGEN LAMP ASSEMBLIES

- 5" H x 6 1/4" W x 3 3/4" D
- 6 Month Warranty

Part #	Lamp Size	Bulb	Beam Pattern	Volt / Watt	Current
500-12V	3X3	H-3	Flood	12v 55w	4 amp
500-24V	3X3	H-3	Flood	24v 70w	2.5 amp



## HID JW SPEAKER HID

### JW SPEAKER HID LIGHT

Part #	Beam Pattern
1703161	Spot; 24V 35W

- 4-5 times more light than Halogen at less energy used
- Shock and vibration resistant
- 6.15"W x 8"H (W/bracket) x 6.41"D
- **Glass Lens**
- Impact resistant nylon housing
- 1 year warranty



1703171 Crossover:  
Euclid 12632335

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## LED 3" ROUND LIGHTS

*Continued on next page*

### EW2110 SERIES LED FLOOD

- Seven 1-Watt LEDs
- 12-80 VDC
- **1000 Raw Lumens**
- Compact Design
- Polycarbonate lens
- Rugged heatsink housing
- 3.3" Dia. x 2.1" Deep
- 5 Year Warranty



#EW2110

### EW2700 SERIES LED FLOOD

- 12-24 VDC
- **2,556 Raw Lumens**
- Flush mount lens helps alleviate snow and mud buildup
- Polycarbonate lens
- Aluminum heatsink housing
- Weather resistant Deutsch connector
- 3.3" Dia. x 2.3" Deep
- CE, R10, CISPR25, IP67, IP69K
- 5 Year Warranty



#EW2710

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

# LED 3" ROUND LIGHTS

## SERVICEMATE FLOOD BEAM WORK LIGHT

- 6 LEDs
- 15G Vibration
- 3.58" Dia. x 3.03" D x 4.88" H (with bracket)
- Flood Beam
- 60G Shock
- EMC, IP68, IP69K
- 12-24 VDC
- DT 2-Pin Plug

Part #	Effective Lumens	Lens	Housing
SM-US1060-RND	1000 Lumen	Polycarbonate	Plastic/Alum. Dissipator
SM-US2060-RND	2000 Lumen	Glass	Aluminum



5 Year LED  
Warranty

## 3" ROUND ULTRA SERIES LED WIDE FLOOD LIGHT

- 2,200 Effective Lumens
- 325 Ft. Optimal Penetration
- Four x 6-Watt Osram LEDs
- 10-30 VDC; 2.5A @ 12V
- Electronic Thermal Management
- 3" Dia. x 1.5" D

- Aluminum Housing
- Polycarbonate Lens
- IP67 & IP69K
- EMC: CE; ECE R10.05
- RoHS Certified
- Off-Road Applications
- 2 Year Warranty



#LW3229

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



# LED 4" ROUND LIGHTS

## UNI-BOND LED WIDE FLOOD BEAM

- 1980 Raw Lumens
- Optimal penetration: 480 ft.
- 15 Premium OSRAM LEDs
- 4.5" W x 5" H x 1.875" D

- 12-30 VDC
- Aluminum Housing
- Polycarbonate Lens
- EMC, IP67, RoHS
- Adjustable Stainless Steel Mounting Bracket
- 2 Year Warranty



#LW4322

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## NORDIC 4" LED CANIS GO 420 SERIES



- 1800 Effective Lumens
- 12-24 VDC, 28 Watt
- 1.8 Amps @ 12V, 1.0 Amps @ 24V
- Polycarbonate Lens
- Aluminum Housing
- Shock 60G
- Vibration: 8Grms 24-2000Hz
- IP68, IP6K9K, EMC: CISPR 25 Class 5

Part #	Description	Prev. Sold As
988-103B	12-24 VDC Flood	988-103U
988-104B	12-24 VDC Wide Flood	988-104U

GO  
SERIES



## VISION X ROUND VL SERIES LED WORK LIGHT

- Light Duty Commercial Applications
- 6 Ultra Bright Cree LEDs
- **Effective Lumens 2,218**
- 40° Beam Pattern
- 10-32 VDC;
- 2.5 Amps @ 12V
- 4.33" Dia. x 5.16" H x 2.33" D
- Deutsch Connector Included

- Reverse Polarity Protection
- Polycarbonate Lens
- Die-Cast Aluminum Housing
- Stainless steel bracket
- EMC Emission: CISPR 25 Class 3
- IP67, IP69K
- Vibration Rating: 15.6 Grms
- One year warranty



#VWR050640



Upgrade any light or item to match the DT style plug found on most of the popular models of equipment and lighting.

## LED

## 4" ROUND LIGHTS

## 4" ROUND ULTRA SERIES LED WIDE FLOOD LIGHT

- 5,200 Effective Lumens
- 450 Ft. Optimal Penetration
- Electronic Thermal Management
- 10 to 30 VDC; 5.4A @ 12V
- Wide Flood Beam Pattern
- 4.25" Dia. x 1.75" D
- Aluminum Housing



- Polycarbonate Lens
- Female Deutsch Connector
- IP67 & IP69K
- EMC: CE; ECE R10.05
- RoHS Certified
- Off-Road Application
- 2 Year Warranty



#LW4229-5

WARNING: Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## LED

## 3" X 5" OVAL LIGHTS

## JW SPEAKER 3X5 OVAL MODEL 770 XD LED LIGHT

3x5 LED OVAL WORK LAMP (Gen III) Now twice as bright!



- Perfect for construction and material handling applications
- 700 Effective Lumens
- Flood Beam
- 12-48 Volt input
- Amp Draw: 1 Amps @ 12V

- Polycarbonate Lens
- DT04-2P Deutsch Connector
- UL recognized, SAE J1113-13 and IP67
- 5.68" W x 5.85" H x 3.52" D
- 5 Year Limited Warranty

#1706241

WARNING: Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## LED

## 2" SQUARE LIGHTS

## DURA MINI 4 LED SERIES WORK LIGHT

The Ultimate Compact Fixture for Universal Applications

- Medium Duty
- 950 Effective Lumens
- 2,000 Raw Lumens
- 60° Flood beam pattern
- 9-32 VDC; 1.0A @ 12V

- 2-Pin Deutsch Connector
- 2.75" W x 3.62" H (w/bracket) x 1.94" D
- Polycarbonate Lens; Aluminum Housing
- IP68, IP69K
- 3 Year Warranty



#DURA-M460

## LED

## 3" SQUARE LIGHTS

Continued on next page

## UNI-BOND 3" LED FLOOD-SPOT COMBO WORK LIGHT

- 1500 Raw lumens
- Optimal Penetration: 206-Ft.
- 10-30 VDC; 1.2 Amp @ 12V
- Flood: Six 1-Watt LEDs; Spot Three 3-Watt LEDs
- Black Aluminum Housing
- Polycarbonate Lens

- Electrical Auto Cooling System
- Reverse Voltage Protection
- Mounting Bracket and Hardware Included
- 2.88" W x 3.52" H (w/bracket) x 1.67" D
- IP69K, RoHS, EMC
- 2 Year Warranty



#LW3231

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## ULTRA SERIES LED WIDE FLOOD WORK LIGHT

- Four 6-Watt OSRAM LEDs
- 2,200 Effective Lumens
- Optimal Penetration 325 Ft.
- 2-3/4" W x 3-3/4" H x 1-5/8" D (Height Includes bracket)
- 10-30 VDC; 2.5A @ 12V

- Aluminum Housing
- Polycarbonate Lens
- IP Rating: IP67, IP69K
- RoHS Compliant
- 2 Year Warranty



#LW3029

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# LED 3" SQUARE LIGHTS

## EW2700 SERIES LED WORK LIGHT

- **2,650 Raw Lumens**
- Flood Beam
- 12-24 VDC; 1.8A @ 12V
- **Flush mount lens helps alleviate snow and mud build-up**
- Aluminum heatsink housing
- Polycarbonate Lens

- Steel mounting bracket with anti-vibration padding
- 2.8" W x 2.8" H x 1.5" D (4.2" H with bracket)
- CE, UKCA, R10, CISPR25, IP67 and IP69K
- 5 Year Warranty



#EW2720



⚠ **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## UNI-BOND LED WORK LIGHT WITH SIDE SHOOTERS

- **3,540 Raw Lumens**
- 10-30 VDC; 2.2A @ 12V
- LEDs: Four 5W (Center Spot) Six 1W (Wide Flood)
- Optimal penetration: 1450 Ft.
- Off-Road Use
- Pressure Relief Vent

- Aluminum housing with adjustable stainless steel mounting bracket and bare leads
- Polycarbonate lens
- 3-3/4" W x 3-1/2" H x 3" D
- EMC Certified, IP67 & IP69K, and RoHS compliant
- 2 Year Warranty



#LW3423

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# LED 4" SQUARE LIGHTS

*Continued on next page*

## UNI-BOND HIGH VOLTAGE LED WORK LIGHT

- **1,755 Raw Lumens**
- 400' Optimal Penetration
- 10-110 VDC; 1.4 Amp @ 12V
- 4" W x 5" H x 1-5/8" D
- Wide Flood Beam Pattern
- Application: Off-Road Use
- Aluminum Housing

- Polycarbonate Lens
- IP Rating: IP67 & IP69K
- EMC and RoHS Certified
- Reverse Voltage Protection
- Adjustable Stainless Steel Mounting Bracket
- 2 Year Warranty



#LW4232T



⚠ **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## UNI-BOND WIDE FLOOD LED WORK LIGHT

- **3120 Raw Lumens**
- 500' Optimal Penetration
- 10 - 30 VDC; 2.23A @ 12V
- Wide Flood Beam
- Sixteen x 1.5W OSRAM LEDs
- 4.25" W x 5" H x 1.81" D
- Aluminum Housing

- Polycarbonate Lens
- Adjustable Stainless Steel Mounting Bracket
- Off-Road Applications
- EMC: CE; ECE R10.05
- IP67, IP69K, RoHS Certified
- 2 Year Warranty



#LW4262



⚠ **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## UNI-BOND WIDE BEAM FLOOD LIGHT WITH HEATED LENS

- **4500 Effective Lumens**
- 485 Ft. Optimal Penetration
- 9-36 VDC; 6.4A @ 12V
- Wide Flood Beam
- Four 18-Watt LEDs
- Aluminum Housing
- Polycarbonate Lens

- Adjustable Black Coated Stainless Steel Mounting Bracket
- Reverse Voltage Protection
- 3.94" W x 4.69" H (w/bracket) x 1.77" D
- IP69K, EMC, RoHS Compliant
- CISPR25 Class 3
- 2 Year Warranty



#LW35229H



⚠ **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## LED

## 4" SQUARE LIGHTS

Continued on next page

## UNI-BOND ULTRA SERIES LED WORK LIGHT

- **5,200 Effective Lumens**
- Optimal Penetration: 450 Ft.
- Beam Pattern: Wide Flood
- Nine 6-Watt OSRAM LEDs
- With Female Deutsch Connector
- 10-30 VDC; 5.4 Amps @ 12V

- 4" W x 4-1/2" H (including bracket) x 1-3/4" D
- Housing: Aluminum
- Lens: Polycarbonate
- IP Rating: IP67 & IP69K
- EMC: RoHS
- 2 Year Warranty



#LW4029-5

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



## UNI-BOND HD LED WORK LIGHT WITH HEATED LENS

- **5,400 Raw Lumens**
- 650 Ft. Optimal penetration
- Flood Beam
- Thirty-Six 1.2-Watt LEDs
- 9-36 VDC; 3.5A @ 12V (5.2A @ 12V w/Heated Lens On)
- 4.75" W x 4.13" H x 2.63" D
- Aluminum Housing

- **Tempered Glass Lens**
- Adjustable Shock Absorbing Stainless Steel Mounting Bracket
- EMC Certified, IP68 & IP69K, Class 5 CISPR 25 and RoHS Certified
- 2 Year Warranty

*Auto On/Off  
Heated Tempered  
Glass Lens*



#LW4422H



 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## UNI-BOND LED FLOOD-SPOT COMBO WORK LIGHT

- **5,495 Effective Lumens**
- Optimal Penetration: 900 Ft.
- Flood Beam Pattern with Spot Beam Penetration
- Special Focal Design Enhances Penetration of Light
- Curved Lens for a wider light spread
- Off-Road Applications
- 10-30 VDC
- 4.72 Amps @ 12V



- 3.93" W x 4.77" H x 1.57" D
- Reverse Voltage Protection
- Aluminum Housing
- Polycarbonate Lens
- Adjustable Stainless Steel Mounting Bracket
- IP Rating: IP68 & IP69K
- CISPR25 Class 3
- EMC and RoHS Certified
- 2 Year Warranty



#LW4033

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



## ULTRA SERIES 7400 LUMEN LED WORK LIGHT

- **7,400 Effective Lumens**
- 575 Ft. Optimal Penetration
- Wide Flood Beam Pattern
- Sixteen 6-Watt OSRAM LEDs
- 10-30 VDC
- 7.7 Amp @ 12V
- Aluminum Housing
- Polycarbonate Lens

- Built-In Deutsch Connectors
- 4.5" W x 4.25" H x 2" D
- Off-Road Applications
- IP67 & IP69K
- EMC: EC; ECE R10.05
- RoHS Certified
- 2 Year Warranty



#LW4529



 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## E92006 SERIES WORK LIGHTS

- **1450 Raw Lumens**
- Nine 3 watt LEDs
- Rugged Heatsink Housing
- Polycarbonate Lens
- 12-24 VDC
- 1.3 Amp Draw
- Flood Beam

- Steel Mounting Bracket
- 3.9" W x 5.1" H (including bracket) x 1.6" D
- Connection: Bare Leads
- CE, R10, RoHS
- 5 Year Warranty

 **ECCO**

#E92006

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



# LED 4" SQUARE LIGHTS

## ABL SL 1000 LED SERIES WORK LIGHT

- **1000 Effective Lumens**
- Flood Beam
- 12-24 VDC; 14W
- 15G Vibration / 60G Shock
- 3.81" H x 3.97" W x 2.24" D
- Includes DT Plug



- Reverse Polarity Protection
- Polycarbonate Lens
- Plastic Housing with Aluminum Dissipator
- EMC, IP68, IP69K
- 5 Year LED Warranty



#SM-US1060

## SCORPIUS GO 420 LED SERIES

- **1800 Effective Lumens**
- 12-24 VDC
- Built-in 2 pin Deutsch
- 3.8" W x 4.6" H (with bracket) x 2.6" D
- Shock: 60G

- Vibration: 8Grms 24-2000Hz
- Housing: Aluminum
- Polycarbonate Lens
- IP68, IP6K9K
- 5 Year LED Warranty


**GO**  
**SERIES**


## SCORPIUS PRO 415 PH "GLARE FREE" LED WORK LIGHT

A three-in-one optical solution through *Phenom Optics* (patent pending). With this work light mounted on your heavy-duty vehicle, you will have accent lighting with soft illumination directed upwards as a guide light for lifting or other operations and efficient task lighting to illuminate the work area both directly in front of and further from the vehicle. Most importantly, people and other vehicles working nearby will not be blinded thanks to the glare-free zone it creates.

Scorpius Go 420  
Work LightScorpius PH 415  
"Glare Free"

- Wide Flood Beam Pattern
- **1500 Effective Lumens**
- Voltage: 12-24 VDC
- 2.4A @ 12V; 1.2A @ 24V
- **Glass Lens** with Aluminum Housing
- 3.9" W x 3.9" H x 3.39" D (5.07" H including bracket)
- Built-In Deutsch DT-2 (2-pin)
- Vibration: 8Grms 24-2000Hz
- Shock: 60G
- IP Rating: IP68, IP6K9K
- CISPR 25 Class 5
- 5 Year LED Warranty

**MEDIUM**  
**DUTY**


#989-101B


**PRO**  
**SERIES**

## HEAVY DUTY LED FLOOD WORK LIGHT

- **8,100 Raw Lumens**
- Optimal Penetration: 390 Ft.
- Voltage: 12-30 VDC
- 5.38" W x 6" H x 4.63" D
- Built-In Deutsch Connector
- Aluminum Housing
- Polycarbonate Lens

- Adjustable Shock Absorbing Stainless Steel Mounting Bracket
- Pressure Relief Valve
- EMC and RoHS Certified
- IP67, IP69K
- 2 Year Warranty



#LW5352

**WARNING:** Cancer and Reproductive Harm - www.P65Warning.ca.gov.
 

# LED 5" SQUARE LIGHTS

## UNI-BOND LED SPOT WORK LIGHT

- **10,130 Effective Lumens**
- Optimal Penetration: 2,300 Ft.
- Voltage: 10-30 VDC
- Electronic Thermal Management
- 5" W x 5.88" H (including bracket) x 2.88" D
- Built-In ATP Sealed Connector

- Aluminum Housing
- Polycarbonate Lens
- Heavy Duty Adjustable Shock Absorbing Stainless Steel Mount
- Pressure Relief Valve
- EMC and RoHS Certified, IP67, IP69K
- 2 Year Warranty



#LW5343

**WARNING:** Cancer and Reproductive Harm - www.P65Warning.ca.gov.
 

## LED

## 5" SQUARE LIGHTS

Continued on next page

## ULTRA LED WORK LIGHT

- 10-30 VDC
- LW4329: Thirty-Six 5-Watt LEDs
- LW4339: Nine 5-Watt LEDs
- Aluminum Housing
- Polycarbonate Lens
- 5" W x 4.5" H x 3" D
- Sealed Female & Male Mating Deutsch Connectors
- IP Rating: IP67, IP69K
- 2 Year Warranty



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## LED

## DOWNWARD ANGLED LIGHTS

## WHELEN PERIMETER ENHANCEMENT LIGHT

- Light is projected downward at a 40° angle for widespread ground illumination
- 10-30 VDC
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Mounts to vertical surfaces and may be mounted inverted
- Patented E Block™ technology prevents moisture from entering the lighthead
- 7.9" W x 2.69" H x 2" D
- 5 Year Warranty




#PEL2B

**WARNING:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit [wheLEN.com/regulatory](http://wheLEN.com/regulatory).

## ANGLE MOUNT LED WORK LAMP CHOOSE 35° OR 48° ANGLE

- Surface mount at 35° angle or 48° angle with rubber mounting blocks (included)
- 2,200 Effective Lumens
- Optimal Penetration: 450 Ft.
- Voltage: 9 to 36 VDC
- Wide Flood Beam Pattern
- Aluminum Housing; Polycarbonate Lens
- 5.13" W x 1.63" H
- Pressure Relief Valve
- Sealed Deutsch Connectors (female & male)
- EMC: CISPR 25, Class 3
- 2 Year Warranty



#LW5015



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## LED

## 2" X 4" RECTANGLE LIGHTS

## EW2411 SERIES LED FLOOD LIGHT

- 1000 Raw Lumens
- 12-24 VDC; 1.3 Amps
- Beam Pattern: Flood
- Six 3-Watt LED's
- 4.4" W x 2.4" H x 2.2" D (3.5" H including bracket)
- Aluminum Heatsink Housing
- Polycarbonate Lens
- Stainless Steel Mounting Bracket
- CE, R10, IP67, RoHS
- 5 Year Warranty



#EW2411



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## LED

## 2" X 6" RECTANGLE LIGHTS

## LED FLOOD BEAM WITH CENTER SPOT

- 1620 Raw Lumens
- 1450 Ft. Optimal Penetration
- Voltage: 12-30 VDC
- Six 3-Watt LEDs
- 6.31" W x 1.81" H x 2.38" D
- Aluminum Housing
- Polycarbonate Lens
- IP Rating: IP67, IP69K
- CE; ECE R10.05, RoHS Certified
- Pressure Relief Vent
- Adjustable Steel Mounting Bracket
- Reverse Voltage Protection
- 2 Year Warranty



#LW6009



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



## LED

## 3" X 5" RECTANGLE LIGHTS

## UNI-BOND LED FLOOD-SPOT COMBO WORK LIGHT

## • 1600 Raw lumens

- Optimal Penetration: 190 Ft.
- 10-30 VDC; 1.3 Amp @ 12V
- Flood: Six 1-Watt LEDs;
- Spot Six 1.5-Watt LEDs
- Black Aluminum Housing
- Polycarbonate Lens

## • Electrical Auto Cooling System

- Reverse Voltage Protection
- Mounting Bracket and Hardware Included
- 4.59" W x 3.79" H (w/bracket) x 1.65" D
- IP69K, RoHS, EMC
- 2 Year Warranty



#LW4331

WARNING: Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## SERVICEMATE LED WORK LIGHT

## • 2000 Effective Lumens

- 22 LEDs
- 12-24 VDC; 25-Watt
- Flood Beam
- Hardened Glass Lens

## • 15 Grms Vibration

- 60G Shock
- 6.1" W x 3.7" H x 2.79" D
- DT 2-Pin Connector
- 5 Year LED Warranty



#SM-US2060-REC

WARNING: Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## CURVED LENS SUPER WIDE LED FLOOD LIGHTS

- Electronic Thermal Management
- 9-36 VDC
- Built-In Deutsch Connector
- Aluminum Housing
- Polycarbonate Lens
- Reverse Voltage Protection
- Pressure Relief Valve

- Adjustable Stainless Steel Mounting Bracket
- Application: Off-Road Use
- EMC and RoHS Certified
- IP69K, CISPR25 Class 3
- 2 Year Warranty

Part #	Effective Lumens	Penetration	Dimensions
LW5022	2,500	350 Ft.	5.38" W x 2.64" D x 2" H
LW5032	3,300	500 Ft.	5.38" W x 2.64" D x 5" H
LW5042	7,800	528 Ft.	5.78" W x 2.85" D x 5.39" H

WARNING: Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## UNI-BOND HEAVY DUTY 3X5 LED WORK LIGHT

- 3,996 Raw Lumens
- Four 15-Watt LEDs
- Optimal Penetration: 324 Ft.
- 12-24 VDC; 5.18 A @ 12V
- Flood Beam
- Black Aluminum Housing
- Polycarbonate Lens
- Anti-Glare Reflectors
- Electronic Thermal Management

- Reverse Voltage Protection
- Built-in Deutsch Connector
- Mounting Brackets & Hardware Included
- 4.96" W x 2.83" H x 3.07" D
- 60G Shock Resistance
- IP69K and RoHS
- EMC CISPR25 Class 3
- 2 Year Warranty

#LW5308

WARNING: Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## LED

## 4" X 6" RECTANGLE LIGHTS

## UNI-BOND RECTANGULAR LED FLOOD LIGHT

## • 2900 Raw Lumens

- 500 ft Optimal Penetration
- 15 x 1.5 Watt OSRAM LEDs
- 10-30 VDC; 2.1 Amps @ 12V
- Off-Road Applications
- Aluminum Housing
- Polycarbonate Lens

- Adjustable Stainless Steel Mounting Bracket
- 6" W x 4.5" H x 1.5" D
- EMC: CE; ECE R10.05
- IP Rating: IP67, IP69K
- RoHS Certified
- 2 Year Warranty



#LW6042

WARNING: Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

# LED UNI-BOND HEAVY DUTY WORK LIGHTS

## UNI-BOND ULTRA SERIES HEAVY DUTY LED WORK LIGHTS

*Great for dynamic, high vibration work environments like mining, logging, construction, heavy duty trucks, etc.*

- 10-30 VDC; 5.0A @ 12V
- Electrical Thermal Management
- Reverse Voltage Protection
- Built-In Deutsch Connector
- Adjustable Stainless Steel Bracket
- 5.5" W x 3.5" H x 3.1" D
- Aluminum Housing
- Polycarbonate Lens
- Shock Resistance 60G

- CISPR25 Class 5, EMC, RoHS, IP69K
- LW4429: Off-Road
- LW4439: ECE R149 - Driving
- 2 Year Warranty

**NEW**



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Beam Pattern	Effective Lumens	Optimal Penetration
LW4429	Flood Beam	<b>4800</b>	670 Ft.
LW4439	Spot Beam	<b>4800</b>	1,600 Ft.

## HEAVY DUTY LED FLOOD-SPOT COMBO WORK LIGHT

*Great for dynamic, high vibration work environments like mining, logging, construction, etc.*

- 12-24 VDC
- Black Aluminum Housing
- Polycarbonate Lens
- Electronic Thermal Management
- Reverse Voltage Protection
- Built-in Deutsch Connector
- Curved Lens
- Mounting Brackets & Hardware Included
- 60G Shock Resistance
- IP69K and RoHS Compliant
- EMC CISPR25 Class 3
- 2 Year Warranty



Part #	Dimensions (W x H x D)	Effective Lumens	LEDs	Optimal Penetration
LW4059	4.02" x 4.28" x 2.96"	<b>4,615</b>	Six 22-Watt	318 Ft.
LW5059	5.35" x 5.56" x 3.84"	<b>8,508</b>	Twelve 22-Watt	521 Ft.
LW6059	6.32" x 6.42" x 4.24"	<b>11,963</b>	Eighteen 22-Watt	557 Ft.

**NEW**

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## ILLUMINATE YOUR ADVENTURE

Unrivaled Vehicle Lighting & Gear



# LED *SERVICEMATE LIGHTS*

## SERVICEMATE 3600 LUMEN HEAVY DUTY WORK LIGHT

- Wide 85° Flood Beam
- **3600 Raw Lumens**
- 4 x 10W Osram LEDs
- 9-32 VDC; 40W Power
- Aluminum Alloy Housing with Breather Filters
- Stainless Steel Bracket
- Polycarbonate Lens
- Deutsch Connector
- Shock: 60G
- 3.66" W x 4.17" H x 2.5" D
- R10, IP69K
- EMC/EMI Rating: CISPR 25 - Class 5
- 2 Year Warranty



HEAVY  
DUTY



#SM3600

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## SERVICEMATE HEAVY DUTY LED FLOOD WORK LIGHTS

- Hardened Glass Lens
- Pedestal Mounting
- DT 2 Pin Connector
- 4.02" W X 3.86" H X 3.15" D
- Reverse Polarity Protection
- Vibration Resistance 15 Grms
- 60G Shock Resistance
- IP68, IP69K
- EMC, CISPR25 Class 5
- 5 Year Warranty

NEW



MADE IN  
U.S.A.



Mining  
Industry,  
Construction,  
Forestry and  
Agriculture



Part #	Effective Lumens	LEDs	Lens	Voltage	Vibration Rating
SM-US2060HD	<b>2000 Lumen</b>	6 LEDs	Clear	12-24 VDC	15 Grms
SM-US3060HD	<b>3000 Lumen</b>	10 LEDs	Clear	12-24 VDC	15 Grms
SM-US5060HD	<b>5000 Lumen</b>	4 LEDs	Clear	12-24 VDC	20 Grms
SM-US5060AHD	<b>5000 Lumen</b>	4 LEDs	Amber	12-24 VDC	20 Grms



## LED

## NORDIC LIGHTS

Continued on next page

## 3" ROUND CANIS PRO 330 LED WORK LIGHT

Born out of a search for raw power in a small package, the highly efficient Canis PRO 330 offers lots of lumens in a compact size. **Perfect for demanding industries such as mining, construction, forestry and agriculture.**

- **3000 Effective Lumens**
- Flood Beam
- 12-24 VDC
- Amps: 2.3A @ 12V, 1.15A @ 24V
- 3.3" Dia. x 2.9" Deep
- Aluminum Housing
- **Glass Lens**
- Shock: 60G
- Vibration: 15.3Grms 24-2000Hz
- IP Rating: IP68, IP6K9K
- EMC: CISPR 25 Class 5
- 5 Year LED Warranty

#980-403B

PRO  
SERIES

## PICTOR 620 LED WORK LIGHT

- **1,800 Effective Lumens**
- 12-24V; 2.0 Amps @ 12V; 1.0 Amps @ 24V
- Compact and low-profile design
- Designed to be mounted on equipment booms or vehicle bodies for optimized and targeted illumination of a specific work area
- Suitable for mounting in tight spaces
- Superior electromagnetic compatibility (CISPR 25 Class 5)

- Flood Beam Pattern
- Built-in Deutsch DT-2 (2-pin)
- Shock: 60G
- Vibration: 15.3Grms 24-2000Hz
- Lens: Grilamid® (registered trademark of EMS-GRIVORY)
- Aluminum Housing
- IP Rating: IP68, IP6K9K
- 5 Year LED Warranty

#987-201B

Great for  
Excavators and  
Wheel Loaders

## No glare with Phenom Optics

Nordic Lights® Phenom Optics-equipped work lights deliver a glare-free zone, while still providing efficient task lighting to illuminate your work area. The result is an efficient and safe work site, both for on-foot personnel and other vehicle operators.

No glare, regardless if you look straight at the lights or through a mirror or camera.

LIGHTS FOR **HEAVY-DUTY** VEHICLES

## LED

## NORDIC LIGHTS

Continued on next page

## NORDIC SCORPIUS LED N4410

- **2000 Effective Lumens**
- 12-24 VDC, 40 Watt
- 3.4 Amps @ 12V, 1.7 Amps @ 24V
- Shock: 60G / Vibration: 15.3Grms
- Aluminum Housing
- Polycarbonate Lens

- Single Bolt M10 Mount
- 4.25" W x 5.39" H (with bracket) x 3.42" D
- Built in Deutsch connection
- IP68, IP6K9K, SAE J1455
- EMC: CISPR 25 Class 5
- 5 Year LED Warranty

Part #	Description	Prev. Sold As
984-605	12-24 VDC Wide Flood LED Light	984-614U
984-606	12-24 VDC Flood LED Light	984-615U
984-607	12-24 VDC HiBeam LED Light	984-616U
984-608	12-24 VDC LoBeam LED Light	984-617U



HEAVY  
DUTY



PRO  
SERIES

Long Life, Low  
Maintenance,  
Waterproof, Reverse  
Voltage Protection,  
Heavy Duty  
Construction.

## SCORPIUS LED N4405 QD

- **2100 Effective Lumens**
- 12-24 VDC, 35 Watt
- 3.0A @ 12V, 1.5A @ 24V
- Aluminum Housing
- Polycarbonate Lens
- Single Bolt M10 Mount

- 4.3" W x 5.6" H (with bracket) x 4.1" D
- Shock: 60G
- Vibration 20G 24-2000Hz
- IP 68, IP6K9K, SAE J1455
- Built in Deutsch connection
- 5 Year LED Warranty

Part #	Description	Prev. Sold As
984-068	12-24 VDC Wide Flood LED Light	984-083U



HEAVY  
DUTY



XTR  
SERIES

Long Life, Low Maintenance, Waterproof, Reverse Voltage Protection, Heavy Duty Construction.

## SCORPIUS LED N4401 QD

- **4200 Effective Lumens**
- 12-24 VDC, 41 Watt
- 3.2 Amps @ 12V, 1.65 Amps @ 24V
- Single Bolt M10 Mount
- 5 Year LED Warranty

- 4.3" W x 5.6" H x 4.1" D
- Built in Deutsch connection
- Vibration: 20G 24-2000Hz
- Shock: 60G
- IP Rating IP68, IP6K9K, SAE J1455

Part #	Description	Lens
984-1110	12-24V Wide Flood Beam LED Light	Glass Lens
984-156U	12-24V Flood Beam LED Light	Plastic Lens
984-157U	12-24V Low Beam LED Light	Plastic Lens
984-158U	12-24V High Beam LED Light	Plastic Lens



HEAVY  
DUTY



XTR  
SERIES

Long Life, Low Maintenance,  
Waterproof, Reverse Voltage  
Protection, Heavy Duty Construction.

## SCORPIUS LED N4402 WORK LIGHT

- **4200 Effective Lumens**

- 12-24 VDC, 41 Watt
- 3.2 Amps @ 12V, 1.65 Amps @ 24V
- Single Bolt M10 Mount
- Shock: 60G

- Vibration: 15.3G 24-2000Hz
- IP68 IP6K9K SAE J1455
- 4.3" W x 5.4" H x 3.4" D
- Built in Deutsch connection
- 5 Year LED Warranty

Part #	Description	Lens
984-1105	12-24 VDC Wide Flood LED Light	Glass Lens
984-1106	12-24 VDC Flood LED Light	Glass Lens
984-1107	12-24 VDC Low Beam LED Light	Glass Lens
984-1108	12-24 VDC Hi Beam LED Light	Glass Lens



HEAVY  
DUTY



PRO  
SERIES

Long Life, Low Maintenance,  
Waterproof, Reverse Voltage  
Protection, Heavy Duty Construction.

LED **NORDIC LIGHTS***Continued on next page***SCORPIUS PRO LED WORK LIGHTS**

The Scorpius PRO 445 and Scorpius PRO 430 offers better mechanical properties, is lighter in weight, and has a new lens material with exceptional heat tolerance.

**BEFORE****AFTER**

- Beam Pattern: Flood
- Voltage: 12-24 VDC
- Electronics: Integrated
- Grilamid® Polycarbonate Lens
- Aluminum Housing
- Applications: Mining, Construction and Forestry
- 4.25" W x 4.25" H x 3.42" D
- Built-In Deutsch DT-2 (2- pin)
- Vibration: 15Grms 24-2400Hz
- Shock: 60G
- IP Rating: IP68, IP6K9K
- EMC: CISPR 25 Class 5
- 5 Year LED Warranty

**PRO SERIES****HEAVY DUTY**

Part #	Model	Effective Lumens	Dimensions (W x H x D)
984-701B	PRO 445	4400	4.25" x 4.25" x 3.42"
984-713B	PRO 430	3,000	4.3" x 4.3" x 3.4"



**EFFECTIVE LUMENS** are a more accurate representation of a light's brightness and performance. Effective lumens account for real-world losses that come from factors like heat, electrical inefficiencies, and the light being absorbed or reflected by optics, lenses, and reflectors. A common rule of thumb is that a quality light will have an effective lumen rating around 50-75% of its raw lumen rating. (Raw lumens are a light's theoretical maximum output before any losses.)

LED **NORDIC AGRICULTURE LIGHT****SCORPIUS 400 BLUE LED LIGHT**

NORDIC LIGHTS® Scorpius 400 Blue is a state-of-the-art blue crop sprayer light and the latest addition to the successful Scorpius work light family. Originally developed for the mining industry, the standards for this work light are set high. Adapted to the agricultural industry, and designed specifically for crop sprayers, to illuminate the boom, the nozzles and the spray pattern.

- Optimized illumination of boom and spray pattern
- Light color blue, 475 nm
- Superior electromagnetic compatibility (CISPR 25 Class 5)
- **Luminous Intensity: 37,000 Candela**
- 12-24 VDC; 4.2A @ 12V, 2.1A @ 24V
- Power Consumption: 42W
- Built-in Deutsch DT-2 (2-pin)
- Shock: 60G
- Vibration: 15.3 Grms 24-2000Hz
- Aluminum Housing / Lens: Grilamid®
- 4.3" W x 4.3" H (5.4" to bracket) x 3.4" D
- Operating Temp: -40C to +85C (Overheat Protected)
- IP Rating: IP68, IP6K9K

**PRO SERIES****#984-801B***Designed Specifically  
For Crop Sprayers*

## LED

## NEW FROM NORDIC LIGHTS

## SCORPIUS XTR 3500 QD S LED WORK LIGHT

**NEW**

The Scorpious XTR 3500 QD S arrives with a **Glare-Free** light pattern. The Glare-Free optics are designed with a clear cut-off line on eye level, with maximum visibility under the cut-off line. You'll gain excellent near-field illumination and work area lighting, without blinding other vehicle operators or on-foot personnel. Equip the Scorpious XTR 3500 QD S to the back, sides, and even to the front of your machine.

- Glare Free Lighting
- **3500 Effective Lumens**
- Nominal Voltage: 24 VDC
- Input Voltage 18-32 VDC
- **Glass Lens**
- Aluminum Housing
- 4.3" W x 4.3" H x 4.0" D
- Built-In Deutsch DT-2 (2- pin)
- Vibration Rating: 20Grms 10-2000Hz
- Shock: 60G
- IP Rating: IP68, IP6K9K
- EMC: CISPR 25 Class 5
- 5 Year LED Warranty

#984-9013

Great for  
Haul  
TrucksXTR  
SERIESSCORPIUS XTR 4500 QD AND  
SCORPIUS XTR 5500 QD LED WORK LIGHTS

The classic work light, redesigned from scratch to be an even better fit for mining. The Scorpious XTR 4500 QD is built for work above and below ground. Suitable for 24V systems, this work light features glass lens, QUAKE Dampening for extreme vibration resistance, and an excellent lumen-per-watt-ratio.

- Nominal Voltage: 24 VDC
- Input Voltage 18-32 VDC
- **Glass Lens**
- Aluminum Housing
- Dimensions: 4.3" W x 4.3" H x 4.0" D
- Built-In Deutsch DT-2 (2- pin)
- Vibration Rating: 20Grms 10-2000Hz
- Shock: 60G
- IP Rating: IP68, IP6K9K
- EMC: CISPR 25 Class 5
- 5 Year LED Warranty

**NEW**XTR  
SERIES

Part #	Model	Effective Lumens	Description
984-9007	XTR 4500 QD	<b>4200 Lumens</b>	Wide Flood Beam
984-9009	XTR 4500 QD	<b>4200 Lumens</b>	High Beam
984-9010	XTR 5500 QD	<b>5200 Lumens</b>	Wide Flood Beam

Know the Beam Pattern at a Glance:

Black Bezel - Wide Flood Beam; Green Bezel - Flood Beam; High Beam - Gray; Orange - Glare-Free

## LED

## VISION X LIGHTS

DURA GEN2 SERIES  
ULTRA-DURABLE WORK LIGHTS

DURA GEN2 Work Lights are 25% brighter yet have a 25% lower-profile than GEN1 lights. They feature proprietary 30mm TIR optics that utilize every square mm of space to ensure the maximum performance from the most compact package possible. A robotically sealed lens maximizes durability while reducing the number of parts and assembly time. The result is an impressively bright & robust light at a surprisingly aggressive price point.

**NEW**

Part #	Raw Lumens	LEDs	Beam Distance	Beam Width	Dimensions
DURA2-WL460	<b>3,600</b>	60° Wide Flood	209 Ft.	125 Ft.	3.14" W x 2.04" H x 3.62" D
DURA2-WL660	<b>5,400</b>	60° Wide Flood	236 Ft.	148 Ft.	4.40" W x 2.04" H x 3.68" D
DURA2-WL960	<b>8,100</b>	60° Wide Flood	292 Ft.	177 Ft.	4.48" W x 2.44" H x 4.96" D

## LED

## VISION X LIGHTS

Continued on next page

## VISION X LED PROSPECTOR WORK LIGHT

## FOR INDUSTRIAL MINING APPLICATIONS

The Prospector Series Work Lights bring versatility and affordability to the forefront with a simplified housing design. The newly designed lens integrates the optics to reduce cost but still maintain optimal beam performance.

- 40° Flood Beam
- 9-32 VDC
- Reverse Polarity Protection
- Aluminum Housing
- Polycarbonate Lens
- DT04-2P Deutsch Connector
- Vibration Rating: 21 Grms
- EMC, IP68, IP69K
- 3 Year Warranty



Part #	Effective Lumens	LEDs	Amp Draw	Dimensions (Height w/Bracket)
POB070540	3400 Lumens	Five 7-Watt Cree LEDs	2.92 Amp @ 12V	4.8" W x 4.33" H x 3.07" D
POB070940	6040 Lumens	Nine 7-Watt Cree LEDs	5.25 Amps @ 12V	5.47" W x 5.16" H x 3.35" D
POB071240	8200 Lumens	Twelve 7-Watt Cree LEDs	7.0 Amps @ 12V	5.47" W x 6.18" H x 3.31" D

## TREMOR SERIES Mining Class LED Work Light

## Mining-Class Durability. Unmatched Efficiency.

The Tremor Series Mining Work Lights are more durable, more reliable, and have a greater luminous efficacy (lumens per watt) than any other work light available in the market place.

- IronPoint™ Anti-Vibration Mounting System
- Purpose Built for the Harshest Environments: **Underground Equipment, Production Loading, Support Equipment and Haul Trucks**
- Grilamid UV Coated PC Lens
- LED Type: XPL2 HD / XPP (Anti-Glare)
- Voltage Range: 11-33 VDC
- IP Rating: IP68/69K
- Vibration: 60 Grms
- 2-Pin DT Connector; M10 x 25 Mounting Bolt
- Certifications: Thermal Shock IEC 60068-2-14; EMC - CE & UKCA, ECE R10, CISPR Class 3



Part #	Description	Beams Pattern	Raw Lumens	Beam Distance x Width	Pod Dimensions
THB060540	Tremor 5 LED - 30W 2.5A	40° Flood Beam	4,698 Lumens	364' x 125'	5.29" x 5.34" x 5.46"
THB060840	Tremor 8 LED - 48W 4.0A	40° Flood Beam	6,190 Lumens	446' x 144'	6.87" x 5.47" x 5.45"

## VISION X PITMASTER LED WORK LIGHT

- 360-Degree Adjustable Mounting System
- Prime Drive Equipped
- 11-65 VDC
- IP Rating: IP68
- Vibration Rating: 15.6 Grms
- Polycarbonate Lens
- Die-Cast Aluminum Housing
- 3 Year Warranty



Lead Time Will Apply



Part #	Description	Beams Pattern	Effective Lumens	Dimensions
MIL-PMX3090	30 LED; 500W Metal Halide	90° Super Wide Flood	11,100 Lumens	11.96" W x 7.52" H x 4.94" D
MIL-PMX6090	60 LED; 1000W Metal Halide	90° Super Wide Flood	22,200 Lumens	15.07" W x 11.54" H x 6.87" D



## DOUBLE ROW LED STRAIGHT LAMPS

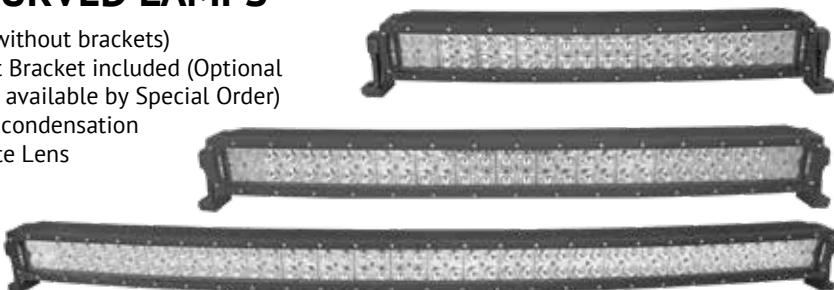
- Dimensions: 3.125" H x 2.75" D (without brackets)
- Proprietary Housing - Side Mount Bracket included (Optional LWM9010 bottom mount bracket available by Special Order)
- Pressure Relief Vent to minimize condensation
- Sealed Connector
- Aluminum Housing; Polycarbonate Lens
- Harness Not Included\***
- EMC, IP69k, RoHs
- 10-30 VDC
- 2 Year Warranty



Part #	Length	Raw Lumens	Beam Pattern	Optimal Penetration
LW90705	8"	2340	Spot	900 ft.
LW91305	14"	4680	Flood/Spot	1300 ft.
LW92105	22"	7800	Flood/Spot	1600 ft.
LW93105	32"	11700	Flood/Spot	2100 ft.
LW94105	42"	15600	Extended Flood/Spot	2200 ft.
LW95005	50"	18720	Extended Flood/Spot	2300 ft.

## DOUBLE ROW LED CURVED LAMPS

- Dimensions: 3.125" H x 2.75" D (without brackets)
- Proprietary Housing - Side Mount Bracket included (Optional LWM9010 bottom mount bracket available by Special Order)
- Pressure Relief Vent to minimize condensation
- Aluminum Housing; Polycarbonate Lens
- Sealed Connector
- Harness Not Included\***
- EMC, IP69k, RoHs
- 10-30 VDC
- 2 Year Warranty



Part #	Length	Raw Lumens	Beam Pattern	Optimal Penetration
LW92165	22"	7800	Flood/Spot	1400 ft.
LW93165	32"	11700	Flood/Spot	1700 ft.
LW94165	42"	15600	Flood/Spot	1700 ft.
LW95065	50"	18720	Flood/Spot	1750 ft.

**\*Plug & Go Harness Available: PT1802 for 8" to 32" Lamps, PT1822 for 42" to 50" Lamps**

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## UNI-BOND LED DRIVING LIGHT BAR



- 9-36 VDC; 2.5A @ 12V
- Driving High Beam
- 6,500 Raw Lumens
- Optimal Penetration: 1,574 Ft.
- Eighteen 6-Watt LEDs
- Side Brackets and Hardware Included
- Black Aluminum Housing
- Polycarbonate Lens
- Anti-Glare Reflectors
- Electronic Thermal Management



- 20" W x 1.88" H x 1.89" D
- Certified Driving Beam with Extended Reach
- SAE J581 Certified; D.O.T. Approved
- IP68, RoHS, EMC
- 2 Year Warranty



#LW882009



**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



ULTRA **NXT**

- Adjustable Mounts Allow for Flexible Aiming of Beam
- Pressure Relief Vent to Minimize Condensation
- Electronic Thermal Management
- 10 - 30 VDC
- Black Aluminum Housing
- Polycarbonate Lens



- Bracket Included
- **Harness Not Included**
- Optional Bottom Mount Bracket Available by Special Order
- EMC, IP68 & IP69K, RoHs Certified
- 2 Year Warranty



## NXT SERIES DOUBLE ROW LED FLOOD/SPOT LIGHT BARS

Part #	Type	Raw Lmns	Effective Lumens	Optimal Penetration	LEDs	Dimension (L x H x D)	Bracket Included
LW91308	13" Straight	10,080	<b>6,600 - 4,200</b>	3,900 - 3,000 Ft.	24 x 5W	13" x 2.75" x 2.63	Side Mount
LW92108	21.5" Straight	16,800	<b>11,000 - 7,000</b>	5,200 - 3,900 Ft.	40 X 5W	21.5" x 2.75" x 2.63	Side Mount
LW93008	30" Straight	25,200	<b>16,500 - 10,500</b>	6,000 - 4,500 Ft.	60 x 5W	30" x 2.75" x 2.63"	Side Mount
LW93068	30" Curved	25,200	<b>12,264 - 7,025</b>	4,000 - 3,000 Ft.	60 x 5W	30" x 2.75" x 2.63"	Side Mount



## NXT SERIES SINGLE ROW LED FLOOD/SPOT LIGHT BARS

Part #	Type	Raw Lumens	Effective Lumens	Optimal Penetration	LEDs	Dimension (L x H x D)	Bracket Included
LW881008	10" Straight	3,780	<b>2,495 - 2,054</b>	2,300 - 2,050 Ft.	9 x 5W	10" x 1.88" x 2.14"	Side Mount
LW881808	18" Straight	7,560	<b>5,100 - 3,904</b>	3,700 - 3,000 Ft.	18 x 5W	18" x 1.88" x 2.14"	Bottom Mount
LW882008	20" Straight	8,820	<b>5,975 - 4,652</b>	4,100 - 3,600 Ft.	21 x 5W	20" x 1.88" x 2.14"	Side Mount
LW883208	32" Straight	13,860	<b>9,221 - 7,445</b>	5,100 - 4,460 Ft.	33 x 5W	32" x 1.88" x 2.14"	Side Mount
LW883268	32" Curved	13,860	<b>7,808 - 5,147</b>	2,890 - 2,300 Ft.	33 x 5W	32" x 1.88" x 2.14"	Side Mount
LW884008	40" Straight	17,640	<b>11,706 - 9,499</b>	5,470 - 4,400 Ft.	42 x 5W	40" x 1.88" x 2.14"	Side Mount
LW884068	40" Curved	17,640	<b>8,834 - 6,219</b>	2,860 - 2,180 Ft.	42 x 5W	40" x 1.88" x 2.14"	Side Mount
LW885008	50" Straight	22,680	<b>14,970 - 12,324</b>	7,270 - 5,400 Ft.	54 x 5W	50" x 1.88" x 2.14"	Side Mount
LW885068	50" Curved	22,680	<b>11,723 - 7,365</b>	3,560 - 2,680 Ft.	54 x 5W	50" x 1.88" x 2.14"	Side Mount

**\*Plug & Go Harness Available: PT1802 for 8" to 32" Lamps, PT1822 for 42" to 50" Lamps**

## NXT 10" LED SINGLE ROW FLOOD/SPOT LIGHT W/POSITION LAMP

- Position Lights (Amber/White)
- 3,780 Raw Lumens
- **2,703 Effective Lumens**
- 2,300 Ft. Optimal Penetration
- Side Bracket Included
- 10-30 VDC
- Nine x 5-Watt LEDs
- 9.66" L x 1.88" H x 2.14" D
- **Harness Not Included** (PT1802)

Anti-Glare  
Reflectors



#LW881038



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



**Larger Illuminated**  
work area

**15°**  
Beam Angle

# NEW - LED HYBRID

Wider Beam Pattern

**Retrofits Available**

**370° Rotation x 135° Tilt**

**Wireless or Hard-Wired  
Remote Control Options**



**AVAILABLE FOR ALL GOLIGHT GT AND STRYKER ST SERIES MODELS**

## GOLIGHT GT SERIES - LED

### PERMANENT MOUNT LED GOLIGHT WITH WIRED DASH CONTROL

- 10 High Flux LED's
- 8° Beam Angle
- 544,000 Candelas
- Max Beam Distance 4,839 Ft.
- 370° Rotation x 135° Tilt
- 12 VDC; 3.7 Amps @ 13.8V

- Hardwired Dash Mount Remote
- UV Ray and Saltwater Resistant
- Ingress Protection from Dust (IP56)
- 20' Wiring Harness
- 3 Year Limited Warranty

### PORTABLE LED GOLIGHT WITH MAGNETIC SHOE



White  
#79014GT

- 10 High Flux LED's
- 8° Beam Angle
- Wireless Hand Held Remote
- 544,000 Candelas
- Max Beam Distance 4,839 Ft.
- 370° Rotation x 135° Tilt
- 12 VDC; 3.7 Amps @ 13.8V
- UV Ray and Saltwater Resistant
- Ingress Protection from Dust (IP56)
- Industrial Strength Magnetic Grip
- 15' Power Cord with Cigarette Plug
- 3 Year Limited Warranty



#20204GT



Black  
#79514GT

Part #	Accessories
30111 GOLIGHT	Remote Holster
49000	Halogen Replacement Bulb

## GOLIGHT GT SERIES - LED HYBRID

### PERMANENT MOUNT LED GOLIGHT WITH HARD-WIRED DASH MOUNT REMOTE

*This innovative LED light head delivers a broader beam of usable light with an extended effective range.*

- 370° Rotation x 135° Tilt
- 10 High Flux LEDs
- 15° Beam Angle
- 300,000 Candela
- Max Beam Distance 3,593 Ft.
- 13.8 Volt; 3.7 Amps

- High Torque Drive Train with Precise Pan/Tilt Control
- Stainless Steel Mounting Bracket
- Ingress Protection from Dust (IP56)
- UV Ray and Saltwater Resistant
- 3 Year Limited Warranty

*Wireless, Portable Mounting Options, and Retrofit Kits Also Available.  
Call Your Sales Rep. For More Information.*



#20208GT



## ECCO MAGNETIC LED FLOOD SCENE LIGHT

- 600 Effective Lumens
- Flood Beam
- Five 3-watt LEDs
- 12-24 VDC
- Rechargeable lithium battery, Magnetic mount
- Estimated run time is 3-4 hours
- Aluminum heatsink housing
- Polycarbonate lens
- Micro USB Charging Cord Included
- 7.7" H x 4.5" W x 3.9" D
- 1 Year Warranty



#EW2461

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

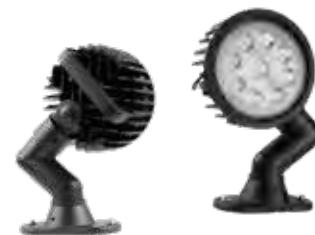
## BRITEZONE™ GOOSE NECK LED WORK LIGHT

- 4000 Raw Lumens
- Flood Beam
- 9-30 VDC;
- 2.25A @ 12V, 1.12A @ 24V
- Polycarbonate Lens
- Die-Cast Aluminum Housing with Handle and Switch
- Permanent Mount
- Deutsch Connector
- 2 Year Warranty
- 4.92" Dia. x 8.54" H x 3.62" D



Grote

#BZ131-5



## UNI-BOND LED ROPS DUAL MAGNETIC MOUNT LAMP KIT

- Off-Road Use
- 2,200 Effective Lumens Per Lamp
- 325 ft. Optimal Penetration
- 10-30 VDC
- 2.5 amps @ 12V per lamp



- Electronic Thermal Management
- Aluminum housing & PC lens
- Rubber coated magnets prevent surfaces from being scratched
- No drill installation
- Easy removal when folding the ROPS bars
- Reverse Voltage Protection
- Adjustable stainless steel brackets
- IP67, IP69K, EMC, RoHS
- Includes 2-pin sealed plug & go harness with ON-OFF switch
- 2-3/4" W x 3-3/4" H x 1-5/8" D
- 2 Year warranty



#LW3029-2KM

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## LED MINI INTERIOR LIGHTS

Compact design for mounting in small areas. Ideal for pick-up truck bed lighting, courtesy lighting or in tool boxes

- 724 Effective Lumens
- 110 ft Optimal Penetration
- Wide Flood Beam
- Six 1.5 watt LEDs
- 10-30 VDC; 0.6 Amps @ 12V
- Reverse Voltage Protection

- 2.83" W x 1.5" H x 0.5" D
- Aluminum Housing with Rubber Mounting Pad attached
- Polycarbonate Lens
- Surface Screw Mount
- EMC, IP68, RoHS, ECE



#LW2017P



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



We carry a wide variety of products, from scene lighting to spill protection.  
If you do not see what you need, let us know. We will try to find it for you!

## PORTABLE LED RETRACTABLE OUTDOOR LAMP

- Extendable Head: Extends up to 44 inches tall
- Rotatable Head: 180° rotatable lamp head
- Raw Lumens: 1,000 on Max
- Optimal Penetration: 200 Ft.
- LEDs: 20-Watt COB (top), plus RGB (ambient ring)
- High, Medium and Low modes
- Operating Time: 7+ hours on max brightness; 10 hours on 50%
- 12" H (44" extended) x 3" W
- Multi-purpose; Can be used as a flashlight or ambience lamp
- Battery: 6,000mAh
- Can be used as a charging station/portable battery for other devices
- Rechargeable battery; charger included
- Aluminum body with ABS base and legs
- Polycarbonate lens
- Includes: Wireless controller, (3x) ground peg hooks, and type-C charging cable
- IP64, CE, RoHS Certified
- 2 Year warranty



#LWR5066

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



## PORTABLE RECHARGEABLE LED WORK LAMP

- 120° vertical rotation and 360° horizontal rotation
- Brightness Modes: 100% - 50% - 25%
- Operating Hours: 2 hours @ 100% / 8 hours @ 25%
- Wide Flood Beam
- Housing: TRP + ABS Base; Polycarbonate lens
- Can be used as a Power Bank
- Magnetic base
- Type-C charging cable (included)
- Designed for outdoor use
- IPX4, CE, and RoHS Certified
- 2 Year warranty

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



## LED BONNET WORK LIGHT

- 5,000 Raw Lumens on MAX
- Optimal Penetration: 400 Ft.
- Brightness Modes: 100% - 50% - 25%
- Battery: 5,000mAh
- Operating Time: 3+ hours on MAX Brightness
- Wide Flood Beam
- 46" L x 2" H x 0.75" D
- Aluminum alloy housing; Polycarbonate lens
- 360° Rotatable hook for adjusting light angles
- Adjustable arms extends up to 67-Inches
- Ultra-thin lamp body for easy storage and fit
- Rechargeable battery, Type-C charging cable included
- CE and RoHS Certified
- 2 Year warranty



#LW06468



 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## LED STRIP LIGHTS

- Silicone coated aluminum housed LED strip
- For outdoor application
- Products sold as individual units
- 12V application
- Surface bracket mount (included)
- 2-Wire connection
- Polycarbonate Lens
- 0.75" Width x 0.63" High
- 2 Year warranty



**NEW**

Part #	Description
LDS06127S-1	12" LED Strip, 630 Raw Lumens
LDS06207S-1	20" LED Strip, 1,050 Raw Lumens
LDS06407S-1	40" LED Strip, 2,100 Raw Lumens
SW010P	Mini ON-OFF Switch



## 12 VOLT LED MINI-BULBS



Part #	Description
1157-LED	Double contact - Fits 1157 base, Clear
3156-LED	Single contact - Fits 3156 base, Clear
3157-LED	Double contact - Fits 3157 base, Clear

## VEHICLE HALOGEN LAMPS

### H-1 Lamp - 24 Volt

Part #	Watt
H1-70W/24V	70W



### H-3 Lamps - 12 Volt

Part #	Watt
H3-35W	35W
H3-55W	55W
H3-55W HD	55W

Crossovers:  
 55W Cat  
 9W0607,  
 55W Ford  
 69AG13009BA,  
 DynaPac  
 901369

### H-7 Lamp - 24 Volt

Part #	Watt
H7 24V	70W

Crossovers: Volvo 982559, JCB  
 720/15003, Moxy 502035

### D1S - 35W

Part #	12 - 48 Volt
D1S	35W HID



### H-3 Lamps - 24 Volt

Part #	Watt
52590HD	65W
H3-70W	70W
H3-100W/24V	100W



### H-4 Lamp - 24 Volt

Part #	Watt
H4-75/70W	75/70W



### H-11 Lamp 24 Volt - Long Life

Part #	Watt
H11 70WLL/24V	70W



## SERVICEMATE LIGHT TOWER BULBS



### #SMMH1000/U

Sold in case qty of 6

- 1000 watt Metal Halide Bulb
- MOG Base
- BT56 style
- Clear



### #SMMH1500

Sold in case qty of 6

- 1500 watt Metal Halide Bulb
- MOG Base
- BT56 style
- Clear



### #SMBT37-12

Sold in Case Qty of 12

- Clear 1000 watt Reduced Jacket Metal Halide Bulb
- MOG Base
- BT37 style



### #SMMH400

Sold in case qty of 12

- 400 watt Metal Halide Bulb
- MOG Base
- ED37 style
- Clear

### Ask Us About 4 Tap Replacement Ballasts

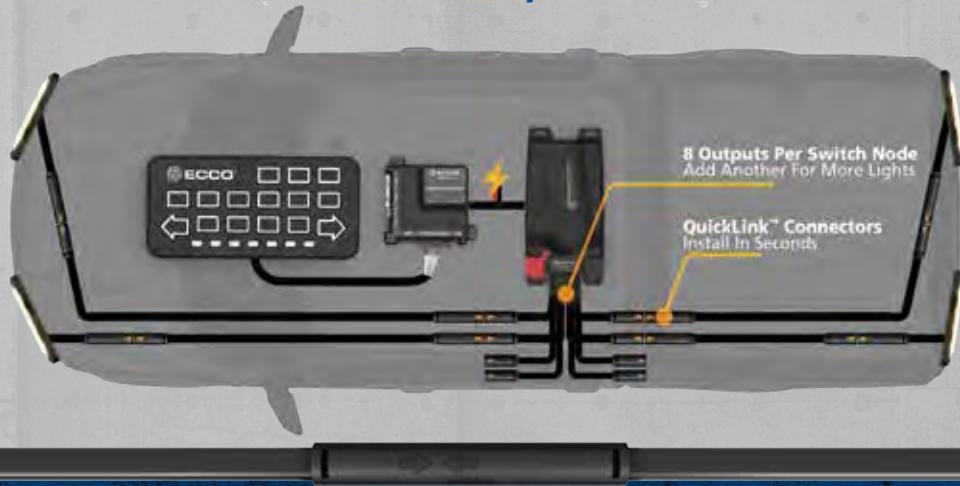
7243 BAMH1000-CWA/V4 M47 120/208/240/277V

**⚠** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defect or other reproductive harm. Wash hands after installing or removing this product. For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

CALL  
NOW

# ECCO CONNECT™

PREPROGRAMMED, PLUG-AND-PLAY



## READY TO USE. EASY TO INSTALL.

ECCO Connect™ is a revolutionary vehicle warning light package that comes preprogrammed and ready to use out of the box. It features ECCO's proprietary QuickLink™ connector, which streamlines installs by eliminating cutting, splicing, soldering and heatshinking, reducing installation time by 75% or more. By combining a plug-and-play design with preprogrammed lighting control, the system streamlines upfitting and gets vehicles on the road faster.

### 1 Choose Your Lighting



12+ Pro Lightbar  
(standard wiring option only)



E92006W-EC



EW3214-EC



EW2720-EC



EW2722-EC



EW2530-EC



5550CXX-EC  
AB AG



5590CXX-EC  
AB AC AG



ED3802XX-EC  
AB AG AW



ED3802XXX-EC  
AGW RAW



ED3704A-EC  
A



ED3704XX-EC  
AB AG AW



ED3794XX-EC  
AW BA



ED3511XX-EC  
AB AW



ED5051XX-EC  
AB AG AW



ED9015XX-EC  
AB AG AW



ED3060XX-EC  
AB AG AW



7945A-EC  
A



7965A-EC  
A

Replace "X" with A = Amber, B = Blue, C = Clear, G = Green, R = Red, W = White

### 2 Select Your Cables



3PMF3B - 9.8' (3m) Jumper Cable  
3PMF5B - 16.4' (5m) Jumper Cable

### 3 Optional Components



EZ0000  
Controller



2PCB  
Quicklink Cover



3P3WB  
Output Splitter



2P3CB  
Splitter Cover

### 4 Required



EC103  
8 Outputs With 23 Flash Patterns  
(lightbar requires 3 outputs)

## Design Features

- Reduces install times by 75% or more
- Proprietary QuickLink™ connectors install in seconds — no cutting, wire tapping, crimping, soldering or heatshrink required
- Fully customizable with your choice of a 12+ Pro lightbar and a-la-cart options for warning lights, worklights, jumper cables and optional components
- 3P3WB splitter turns one output into two, providing synchronized flash or on/off control between two lights
- Heavy-duty water-resistant cable, plugs and connectors
- Preprogrammed with 23 flash patterns, including dim and cut
- Warning system controlled with EZ0000 controller (ordered separately) or with in-cab switches (not included)

## MICRO WARNING LIGHT BARS

### HIGHLIGHTER® MICRO LED 10" MINI-LIGHT BAR



- Low profile, 10" mini-light bar
- Uniform 360° light distribution; no dark spots or shadows
- Solaris® LED reflector technology for better optical efficiency and superior off-axis warning
- Patented ROC (Reliable Onboard Circuitry™) technology
- (25) selectable flash patterns
- Multiple voltages: 12/24 VDC
- IP69K rated for protection against dust and water
- Permanent Mount: 10.21" L x 5.85" W x 1.62" H
- Magnetic Mount: 10.21" L x 5.85" W x 1.92" H
- Magnet Mount Includes Accessory Plug with ON/OFF Switch
- Ideal for a variety of applications, including DOT, Municipal, Utility, Towing, and Construction Vehicles
- SAE J595 Class 1, SAE J845 Class 1, CCR Title 13, IP69K
- Five-year warranty



Get Your  
CLASS 1  
RATING  
with a Smaller  
Bar!

BEST  
SELLER!



#### Permanent Mount

Part #	Dome Color	LED Color
HL10P-A	Amber	Amber
HL10PC-A	Clear	Amber
HL10PC-B	Clear	Blue
7HL10PC-G	Clear	Green
HL10PC-R	Clear	Red
HL10PC-W	Clear	White
HL10PC-AB	Clear	Amber/Blue
HL10PC-AG	Clear	Amber/Green
HL10PC-AR	Clear	Amber/Red
HL10PC-AW	Clear	Amber/White
HL10PC-RB	Clear	Red/Blue

#### Magnetic Mount

Part #	Dome Color	LED Color
HL10M-A	Amber	Amber
HL10MC-A	Clear	Amber
HL10MC-B	Clear	Blue
HL10MC-G	Clear	Green
HL10MC-R	Clear	Red
HL10MC-W	Clear	White
HL10MC-AB	Clear	Amber/Blue
HL10MC-AG	Clear	Amber/Green
HL10MC-AR	Clear	Amber/Red
HL10MC-AW	Clear	Amber/White
HL10MC-RB	Clear	Red/Blue

### UNI-BOND 9.75" LED WARNING LIGHT BAR

- Voltage: 12-24 VDC
- 9.75" L x 6.5" W x 1.3" H
- ABS Base with Polycarbonate Lens
- 26 Flash Patterns Including Rotating Flash
- Super Slim, Durable & Extra Bright
- Fits Easily Into a Glove Box
- Super Low Profile
- IP67, EMC, RoHS Compliant
- SAE Class 1
- 2 Year Warranty

NEW



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	LED Color	Mounting	Connector
E-2109AC	Amber	Single Bolt Bracket Mount	5x Lead Wires
E-2109ACM	Amber	Magnetic Suction Cup Mount	Cigarette Adapter with 9.5 Ft. Cable
E-2109AB	Amber / Blue	Single Bolt Bracket Mount	5x Lead Wires
E-2109ABM	Amber / Blue	Magnetic Suction Cup Mount	Cigarette Adapter with 9.5 Ft. Cable
E-2109AW	Amber / White	Single Bolt Bracket Mount	5x Lead Wires
E-2109AWM	Amber / White	Magnetic Suction Cup Mount	Cigarette Adapter with 9.5 Ft. Cable

**WARNING MINI-BARS****UNI-BOND LED LOW PROFILE MINI LIGHT BARS**

- Low Profile Design with Powerful 360° Light Output
- 26 Flash Patterns Including Rotating Flash
- Smoky Lens with Amber LEDs
- 12-24 VDC
- Dimensions: 6.75" W x 1.5" H
- Permanent Mount:  
Single Bolt with 12" Lead Wires
- Magnet Suction Cup Mount: Includes 9.5-Ft. Fused Cigarette Power Adapter with ON/OFF & Flash Pattern Switches
- ABS Base with Polycarbonate Lens
- IP67 Rated, EMC Certified
- SAE J845 Class 1
- 2 Year Warranty

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



**NEW**

Part #	Length	LEDs	Mounting
E-2103A	10-Inch	60 x 1.5 Watt	Permanent
E-2103AM	10-Inch	60 x 1.5 Watt	Magnetic & Suction Cup
E-2143A	14-Inch	72 x 1.5 Watt	Permanent

**HIGHLIGHTER® ELITE 15" LOW PROFILE LED MINI-LIGHT BAR**

- Solaris® LED Reflector Technology provides brilliant illumination 360° around your vehicle
- 25 Flash patterns including the unique "edge cruise" lighting (in dual-color models)
- FSLink® Technology offers greater synchronization and ease of use amongst Federal Signal products
- Voltage: 12-24 VDC
- Amps: 2.0A @ 12 VDC; 1.0A @ 24 VDC
- Clear Dome with Amber/White LEDs
- Permanent Mount
- Dimensions: 14.7" L x 9.5" W x 2.0" H
- SAE J845 Class 1, SAE J595 Class 1, CAC Title 13

**DUAL  
COLOR**



**#HL15PC-AW**

- IP69K rated against dust and water
- Also available in Single or Split-Color; magnet mount and suction-cup magnet mount by special order
- Five year LED warranty

**ROADSIDE SAFETY - VISIBILITY WHEN IT MATTERS**

Equip Your Service Fleet



**Uni-Bond**

## WARNING LIGHTBARS AND MINI-BARS

### ECCO 5590 SERIES CLASS 1 15" LED MINI BARS

- 18 flash patterns
- 12-24 VDC
- Cigarette plug adapter with on/off and flash pattern switch and 15" straight cord (vacuum-magnet models)
- 15" L x 9" W; 2.5" H permanent; 3.1" H Vacuum Mount
- TIR Optic LED modules to optimize focused front/rear warning and Reflective modules for wide-angle side warning
- 5590 permanent mount models can be synchronized to operate multiple lights alternately or simultaneously



5 Year  
Warranty

Part #	Dome / LEDs	Mounting
5590A	Amber / Amber	Permanent
5590CA	Clear / Amber	Permanent
5590CAC	Clear/Amber-Clear	Permanent

Part #	Dome / LEDs	Mounting
5590A-VM	Amber / Amber	Vacuum-Magnet
5590CA-VM	Clear / Amber	Vacuum-Magnet

- Available Colors: Amber, Blue, Clear, Green, Red
- SAE Class I, CA Title 13 (excluding split C&G), CE, R10, IP65 (Permanent Only) and IP69K

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### UNI-BOND 16" LED LOW PROFILE WARNING LIGHT BARS

- 24 Flash patterns
- SAE J845 Class 1 on 4 Flashes, Class 2 on 1 Flash
- Forty-Two 1 watt LEDs
- 12-24 VDC
- 16" L x 7" W x 1.5" H
- Amber Diodes / Clear Lens
- EMC & RoHS certified, IPX4K



 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Description
E-2115AC	Clear Dome / Amber LEDs / Permanent Mount
E-2115ACM	Clear Dome / Amber LEDs / Magnetic Mount

### 17" HIGH IMPACT LOW PROFILE LED MINI-BAR

- 80 high impact LEDs; 360 degree visibility
- Clear outer dome
- Amber or Amber/Blue LEDs
- Other LED colors available by special order
- Flash: cycles thru 3 patterns
- 12-24 VDC operation; Amp Draw: 1.4A
- Available in Permanent or Magnetic Mounts
- Dimensions: 17.25" W x 2.75" H x 9.5" D
- Class Rating: HEX Flash Mode SAE Class 1, remaining patterns Class 2
- 5 Year Warranty

Other Colors Available By Special Order



Part #	Description
MMBZLEDFL-C/A	Clear Dome / Amber LEDs, Permanent
MMBZLEDFLM-C/A	Clear Dome / Amber LEDs, Magnetic
MMBZLEDFLM-C/AB	Clear Dome / Amber & Blue LEDs, Magnetic

### WHELEN RESPONDER® R1LP SERIES 17" MINI LIGHT BAR

- Polycarbonate platform and dome
- Voltage: 12VDC / Amps: 3A peak, 1.2A avg.
- 17" L x 6.313" W x 2.875" H
- 30 Scan-Lock™ Flash Patterns including 4 simulated rotating patterns
- Sync provides the ability to connect multiple Whelen devices to flash together or in alternating patterns
- SAE Class 1



5 Year  
Warranty

**WHELEN®**



Part #	Description
R1LPPA	17" Permanent Mount, Amber LEDs, Amber Dome
R1LPPF	17" Permanent Mount, Split Amber/White LEDs, Clear Dome

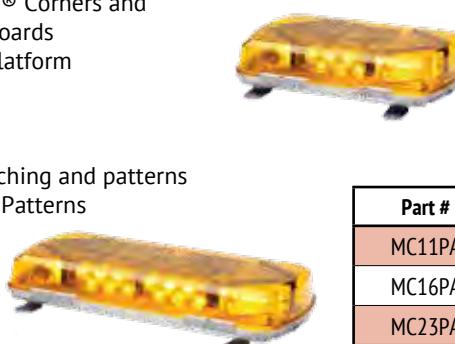
 **WARRANTY:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit [whelen.com/regulatory](http://whelen.com/regulatory)

## WARNING LIGHTBARS AND MINI-BARS

## WHELEN MINI CENTURY™ SERIES LIGHTBARS



- Four LinearSuper-LED® Corners and TIR6™ Super-LED inboards
- Extruded aluminum platform
- Polycarbonate dome
- Voltage: 12VDC
- 7.74" W x 2.4" H
- Standard current switching and patterns
- 17 Scan-Lock™ Flash Patterns
- SAE Class 1
- 5 Year Warranty

MADE IN  
U.S.A.

Part #	Description
MC11PA	11.50" Perm. Mt, Amber LEDs, Amber Dome
MC16PA	16.56" Perm. Mt., Amber LEDs, Amber Dome
MC23PA	23.25" Perm. Mt., Amber LEDs, Amber Dome



**WARRANTY:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For for information, visit [whelen.com/regulatory](http://whelen.com/regulatory)

## UNI-BOND 24" LED LOW PROFILE WARNING LIGHT BAR



- Powerful 360° Light Output
- 27 Flash Patterns, Including Rotating Flash
- Clear Lens with Amber LED's
- 162 x 0.4-Watt LED Strip Lighting
- 12-24 VDC, 2.1 Amps @ 12V
- 24" L x 6.75" W x 2" H
- ABS Top and Aluminum Housing
- Polycarbonate Lens
- Adjustable Brackets Included



#E-2324AC

- IP67, EMC Certified
- J845 Class 1 on one-pattern
- 2 Year Warranty

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## MOUNTING SYSTEMS

## 19" HEAVY DUTY BRAKE LIGHT MOUNT SYSTEMS



- 19" x 8" Aluminum platforms designed to attach in 3rd brake light
- Lightweight design, reduced wind resistance
- UV protected black powder paint finish
- Does not include 3rd brake light



VPE-CHGM  
Does Not  
Include 3rd Brake Light

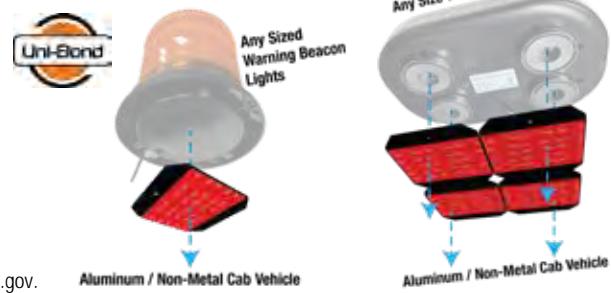
Part #	Description
VPEHD-CHGM	Chevy Silverado and GM Sierra Trucks Model Years 2014 - 2021 (Drilling 2 holes required inside the 3rd brake light cavity)
VPEHD-F150	Ford F-150 and Ford Superduty Trucks Model Years 2015 and newer (Drill-Free installation, using a clamp and gasket system to hold in position)



## STEEL MOUNTING PAD For Aluminum / Non-Metal Cabs

- 3" x 3" black powder coated metal pad with 3M strip
- 3 Gauge Steel - 3mm Thickness
- Beveled edge helps retain suction cup strength
- For use with any size warning light bar or strobe light
- Fits mosts Uni-Bond magnetic warning lights

Part #	Description
MM3030	Single Steel Mounting Pad



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## WARNING LIGHTBARS



5 Year  
Warranty



### REFLEXL® NARROW LED LIGHTBARS

The 11 Series RefleXL® is ECCO's most compact and low-profile warning lightbar yet. Designed to be mounted permanently with included mounting feet, on an optional headache rack or temporarily with magnetic mounting options, the RefleXL® provides discreet and powerful warning for any vehicle application. Perfect fit for any tow truck, work truck, or utility vehicle where compact warning is essential.

- 12-24 VDC
- Compact and Powerful Warning
- Flash Patterns:
  - 35 Single- Color,
  - 91 Dual-Color
- Compact: 1.3" Tall x 5" Wide
- Aluminum Frame
- Polycarbonate Lens
- Stainless Steel Mounting Feet
- ON/OFF and Pattern Change Toggle Switches Required (not included)
- 60" Tow model includes: STT, TD, WL, AL and Safety Director
- Customized Lightbar Configurations Not Available

Part #	Length	Mounting	LED Color
11-024CA-E	24-Inch	4-Bolt Permanent Mount	Amber
11-024CA-E-MG	24-Inch	Magnetic Mount	Amber
11-024CAC-E	24-Inch	4-Bolt Permanent Mount	Amber / Clear
11-024CAC-E-MG	24-Inch	Magnetic Mount	Amber / Clear
11-048CA-E	48-Inch	4-Bolt Permanent Mount	Amber
11-048CAC-E	48-Inch	4-Bolt Permanent Mount	Amber / Clear
11-060CA-E	60-Inch	6 Bolt Permanent Mount	Amber
11-060CAC-E	60-Inch	6 Bolt Permanent Mount	Amber / Clear
11-060TOW-E	60-Inch	6 Bolt Permanent Mount	Amber

- SAE Class 1, CA Title 13, CE, R10, R65 (24" & 48" only), CISPR 25, IP69K, RoHS
- Optional (Not Included): EZ11HRM Headache Rack Brackets and EZ0000 Universal Controller (Available by Special Order)



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### CLASS 1 LED AMBER/WHITE WARNING LIGHT BAR

- SAE Class 1 Certified
- 24-36" Bars - 26 Flash Patterns; 48-60" Bars - 30 Flash Patterns (Including Rotating Flash)
- 4.75" W x 1.5" H
- Super Slim, Low Profile, Durable & Extra Bright
- Aluminum Base with Polycarbonate Lens
- Amber / White LEDs
- 12-24 VDC
- Extended Cabin Mount Hardware included with 36" and larger models
- IP66, RoHS, EMC

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



2 Year  
Warranty



Part #	Length	Mounting	Connector
E-2240AW	24-Inch	Bracket Mount	2x Lead Wire
E-2240AWM	24-Inch	Mag/Suction Mt.	Cig. Adapter/9.5' Cable
E-2360AW	36-Inch	Bracket Mount	2x Lead Wire & Controller
E-2480AW	48-Inch	Bracket Mount	2x Lead Wire & Controller
E-2600AW	60-Inch	Bracket Mount	2x Lead Wire & Controller

### UNI-BOND ROCKER SWITCH PANEL KIT

- Built-In Switch Modes: Constant, Momentary, Flash, and Strobe
- 11 LED RGB Colors to Choose From
- Adjustable Backlight Brightness
- Memory Function
- Kit includes: Aluminum Control Box and Switch Panel, Circuit Breaker, Extra Fuses and, Switch Panel Button Stickers for Automotive and Marine Vehicles
- Surface / Bracket Mount (all hardware included)
- 12-24 VDC; 60 Amp Max
- Certified: FCC, CE, and RoHS
- 2 Year Warranty



Part #	Description
SG800	8-Gang Rocker Switch Panel
SG1200	12-Gang Rocker Switch Panel

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



**ECCO®**



CE

R10

R65



## 12+ PRO VANTAGE™ LIGHTBAR SLEEK, LOW PROFILE

MODEL	LENGTH	MODULES	CONTROLLER	COLOR	CHASSIS DIAGRAM
12-50505-ES	24"	8 Amber Modules			
12-50506-ES	36"	8 Amber Modules			
12-50230-ES	42"	12 Amber Modules, 2 Worklights			
12-50504-ES	48"	10 Amber Modules, 2 Worklights, 2 STT			
12-50005-ED	48"	12 Amber Modules, 6 Worklights, 2 STT			
12-50428-ES	54"	15 Amber Modules, 2 Worklights			
12-50116-ES	54"	14 Amber Modules, 6 White Modules			
12-50220-ES	54"	10 Amber Modules, 2 Worklights, 2 STT			
12-50327-ES	60"	10 Amber Modules, 2 Worklights, 2 STT			

### DESIGN FEATURES

- Lengths available: 24", 30", 36", 42", 48", 54", 60" and 72"
- Optional Integrated Safety Director™ (minimum 6 heads required)
- ICE Optics offer brighter appearance for better visibility

- Standard black base, with optional white base
- Universal VHB roof mount (EZ6015-B or EZ6015-W)
- Vehicle specific mounting hardware available



Call for customization options, mounting hardware, pricing and availability

## TRAFFIC WARNING ARROW STICK

### 40" LED SUPER SLIM WARNING LIGHT STICK

- 12-24 VDC; 5.0 Amps @ 12V
- 7 Flash Patterns
- Ninety-Six x 0.25-Watt Amber LEDs
- Black Aluminum Housing
- Polycarbonate Lens
- Controller Included
- 40" L x 0.93" H x 2.18" D
- SAE J845 Class 1
- EMC, RoHS, IP67 & IP69K



#E-26409A



WARNING: Cancer and Reproductive Harm - www.P65Warning.ca.gov.

### 41" WATERPROOF LED SIGNAL STICK

Effectively keep traffic flowing and work zones safe



- 320 High-intensity LEDs in eight sections; fits in standard-sized vehicles
- Deluxe controller includes 12 selectable flash patterns, a variable speed control dial, LED flash pattern indicator lights, and a remote switch wire for optional random flash
- Plug-in connectors and integral T-slot mounting channels on back and underside
- 41" L x 2" H x 2" D; Controller measures 1-3/8" H x 5-3/4" D x 6" L
- Includes controller, "L" brackets and 15' power cable (back cable exit)
- 12 Volt / 4.0 Amps
- 5 Year Warranty



#11.2741P.A00

**WARNING:** Plastics, Cables, Printed Circuit Boards & Solder which contains Lead, PVC, Polycarbonate or other plastics can expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### ED3100 SERIES LOW-PROFILE, VERSATILE DUAL-COLOR COMBINATION LIGHT



Part #	Length	Amps	Lightheads	LED Color
ED3160AW	26.5"	3.5	Six Dual-Color	Amber / White
ED3180AW	35.1"	5.0	Eight Dual-Color	Amber / White

Lead Time May Apply



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

**SERVICEMATE WARNING BEACONS****SM4215 SERIES CLASS I LED BEACONS** *(classification for amber and clear only)*

- Voltage: Permanent - 9-32 VDC / Magnet 10-16 VDC
- Amp Draw: 0.7 amps @ 12 VDC, 2.3 amps max
- New optic tower provides full flash patterns
- 12 flash patterns, including steady-on and rotating
- Permanent Mount: 2 bolt mounting / 1" pipe thread
- Magnetic Mount: Ceramic magnetic mount includes cigarette plug with on/off and pattern selection.
- Polycarbonate base & lens
- High: 6-11/16" H x 6-13/32" Dia.
- Low: 4-3/4" H x 6-13/32" Dia.
- Lens colors: Amber & clear (stocking); Blue, green, and red (special order)
- Meets SAE Class I
- Warranty: 5 years on LEDs, 1 year on all other components

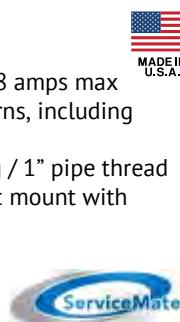


Part #	Dome	Color	Mounting
SM4215HA	High	Amber	Permanent
SM4215HA-MAG	High	Amber	Magnetic
SM4215LA	Low	Amber	Permanent
SM4215LA-MAG	Low	Amber	Magnetic
SM4215HC	High	Clear	Permanent
SM4215HC-MAG	High	Clear	Magnetic
SM4215LC	Low	Clear	Permanent
SM4215LC-MAG	Low	Clear	Magnetic
SM4215HB	High	Blue	Permanent
SM4215LB	Low	Blue	Permanent
SM4215HR	High	Red	Permanent
SM4215LR	Low	Red	Permanent

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

**SM4212 SERIES CLASS II LED BEACONS**

- Permanent mount 10-30 VDC
- Magnetic mount 10-16 VDC
- Amp Draw: 0.4 amps @ 12 VDC, 0.8 amps max
- 26 customer selectable flash patterns, including steady-on
- Permanent Mount: 2 bolt mounting / 1" pipe thread
- Magnetic Mount: Ceramic magnetic mount with cigarette plug
- Polycarbonate base & lens
- High: 6-11/16" H x 6-13/32" Dia.
- Low: 4-3/4" H x 6-13/32" Dia.
- Exceeds SAE J845 standards



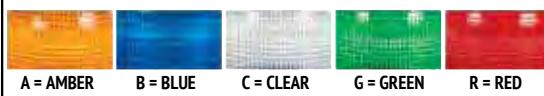
Part #	Dome	Color	Mounting
SM4212HA	High	Amber	Permanent
SM4212LA	Low	Amber	Permanent

- Lens colors: Amber & Low Clear (stocking); Blue, green, red and high clear (special order)
- Warranty: 5 years on LEDs, 1 year on all other components

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

**SM4215 L G MAG**

Model	Lens Style	Lens Color	Magnetic Base
SM4212	H = High	A = Amber	(blank if permanent/ pipe mount)
SM4215	L = Low	B = Blue	
SM4255		C = Clear	
SM4256		G = Green	
		R = Red	

**COLORS AVAILABLE:**

Some colors built to order - Lead Time Will Apply

**\*NOTE:** The use of any magnetic warning beacons or strobe lights on the outside of a moving vehicle is not recommended and is at the sole discretion and risk of the user.

**SM4258 DUAL-COLOR SERIES LED BEACONS**

- Voltage: Permanent - 12-24 VDC
- Amp Draw: 0.7A @ 12 VDC, 0.35A @ 24 VDC
- 12 customer selectable flash patterns, including steady-on and rotating
- Individual pattern select for each color
- Ability to change the priority to have one enable override the other
- Ability to flash both colors with one switch
- Permanent Mount: 3 bolt mounting / 1" pipe thread
- Lightweight polycarbonate universal flange base



Part #	Dome	LED Colors	Mounting	Approval
SM4258HAG	High	Amber / Green	Permanent	Class 1 (Amber Only)
SM4258LAG	Low	Amber / Green	Permanent	Class 1 (Amber Only)



- Fully encapsulated circuits for increased weather and shock resistance
- High: 6-11/16" H x 6-13/32" Dia.
- Low: 4-3/4" H x 6-13/32" Dia.
- Warranty: 5 years on LEDs, 1 year on all other components



**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## SERVICEMATE WARNING BEACONS

### SM4255 SERIES CLASS I LED (classification for amber and clear only)

- Permanent Mount 9-32 VDC
- Magnetic Mount 10-16 VDC
- Amp Draw: 0.7 amps @ 12 VDC, 2.3 amps max
- New optic tower provides full flash patterns
- 24 customer selectable flash patterns, including steady-on
- Polycarbonate base & lens
- Permanent 3-Bolt/1" pipe or magnetic mount with cigarette plug
- High: 6-11/16" H x 6-13/32" Dia.
- Low: 4-3/4" H x 6-13/32" Dia.
- Lens: Amber (stocking); Clear, red, and blue available by special order (lead time may apply)
- Meets SAE Class I
- Warranty: 5 years on LEDs, 1 year on all other components



Part #	Dome	Color	Mounting
SM4255HA	High	Amber	Permanent
SM4255HA-MAG	High	Amber	Magnetic
SM4255LA	Low	Amber	Permanent
SM4255LA-MAG	Low	Amber	Magnetic

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### SM4256 SERIES CLASS II LED

- 26 flash patterns
- 10-16 VDC Magnetic;
- 10-30 VDC Permanent Mount
- Durable polycarbonate twist type lens with universal flange base
- Permanent 3-Bolt/1" pipe or magnetic mount with cigarette plug
- Low Lens: 4 3/4" H x 6 13/32" Dia.
- High Lens: 6 11/16" H x 6 13/32" Dia.
- Clear available by special order (lead time may apply)
- 5-year warranty on LEDs; 1-year warranty on housing
- SAE Class II approval



Part #	Dome	Lens	Mounting
SM4256HA	High	Amber	Permanent
SM4256HA-MAG	High	Amber	Magnetic
SM4256LA	Low	Amber	Permanent
SM4256LA-MAG	Low	Amber	Magnetic

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

#### COLORS AVAILABLE:



Branch Guards for SM4255 & SM4256 (3 Bolt)

#274-55TS ..... Low Dome Branch Guard ..... \$57.62

\*NOTE: The use of any magnetic warning beacons or strobe lights on the outside of a moving vehicle is not recommended and is at the sole discretion and risk of the user.

### SM4255 L G MAG

Model	Lens Style	Lens Color	Magnetic Base (blank if permanent/pipe mount)
SM4212	H = High	A = Amber	
SM4215	L = Low	B = Blue	
SM4255		C = Clear	
SM4256		G = Green	
		R = Red	



### SM4275 SERIES CLASS I 360° MINI LED BEACONS



- Voltage: 9-32 VDC; Amp Draw: 0.4 amps
- Reliable Environmental Protection
- 12 Customer Selectable Flash Patterns in Either of Two Phases, Plus Steady-On
- Polarity protected
- Ultrasonic Welded Polycarbonate Base & Lens
- 3-Hole Permanent Mount or Magnetic Mount
- Dimensions: 4.4" Dia. x 1.4" H
- Lens colors: Amber & clear
- Meets SAE Class I, and IP67
- Warranty: 5 years on LEDs, 1 year on all other components



Part #	LED's	Lens	Mounting
SM4275A	Amber	Amber	Permanent
SM4275A-MAG	Amber	Amber	Magnetic
SM4275C	Clear	Clear	Permanent
SM4275C-MAG	Clear	Clear	Magnetic

**Applications:** Skid Steers, Small Track Hoes, Scissor Lifts, Boom Lifts, Mowers and Small Outdoor Equipment



 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## SERVICEMATE WARNING BEACONS

### SERVICEMATE CLASS I MINI LED BEACONS

Introducing our new compact and cost effective beacon

- Voltage: 10-30 VDC
- Polycarbonate lens
- Flash Pattern: Double Flash
- Protected against reverse voltage
- Permanent Mount: 4.72" Dia. x 1.75" H
- DIN-Pole Mount: 3.54" Dia. x 4.23" H
- Magnetic Mount: 3.89" Dia. x 2.10" H; with suction pad and cigarette lighter plug
- IP Protection: IP6K9K
- SAE Class 1, CISPR25 Class 5, ECE R10



Cigarette plug works on both US and European style sockets

3 Year Warranty

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Color	Mounting
SMB25	Amber	Permanent
SMB25-DIN	Amber	DIN-Pole
SMB25-MAG	Amber	Magnetic

### SERVICEMATE CLASS I LED BEACONS

- Voltage: 10-30 VDC
- Polycarbonate lens
- 3 Year Warranty



Cigarette plug works on both US and European style sockets



Part #	Color	Mounting
SMB20-DIN	Amber	DIN-Pole
SMB20-MAG	Amber	Magnetic

### DIN POLE MOUNTS

- DIN Pole Mounting Brackets

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

#### #SMBB-CLAMP

T-Bracket DIN Pole Mount



#### #SMBB-SCREW

Screw DIN Pole Mount



### WARNING BEACONS

#### UNI-BOND LOW PROFILE CLASS 1 LED BEACONS

- 10-30 VDC; 1.0 Amps @ 12V
- 3 Flash Patterns including Rotating Flash
- 32 x 0.5 Watt LEDs
- Plastic Base
- Polycarbonate lens
- Surface Mount: 4.38" Dia. x 2" H
- DIN Mount: 3.56" Dia. x 6" H
- IP69K, EMC,
- SAE J845 Class 1



DIN Mount Adaptor Available by Special Order



#### EB7185 CLASS 1 LED DUAL-COLOR BEACON

#### #EB7185CAC



**ECCO**

- Dual-color warning
- Clear Dome
- Amber/Clear LEDs
- 24 flash patterns, including simulated rotate mode
- 12-24 VDC; 8.6 Amps
- Multiple units can be synchronized
- 4 Bolt Flange; 6.5" W x 6.5" L x 3.3" H
- SAE Class I, CA Title 13
- R10, IP55, AMECA, RoHS
- 5 Year Warranty

Available in Vacuum Magnetic Mount

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## WARNING BEACONS

### 7900 SERIES LED BEACONS

- Latest technology in a traditional housing
- 11 flash patterns
- Polycarbonate lens
- 5 Year Warranty



#### SAE CLASS I LED Aluminum base

##### 7965A

- Amber; Low Lens
- 12-24 VDC; 3.6 A
- 3 Bolt / 1" Pipe
- 6.5" Dia. x 4.9" H

##### 7965A-VM

- Amber; Low Lens
- 12-24 VDC; 3.6 A
- Vacuum-Magnet
- 6.5" Dia. x 4.9" H

##### 7970A

- Amber; High Lens
- 12-24 VDC; 3.6 A
- 3 Bolt / 1" Pipe
- 6.5" Dia. x 6.7" H

##### 7980A

- Severe Vibration
- Amber; High Lens
- 12-24 VDC; 3.6 A
- 3 Bolt / 1" Pipe
- 6.5" Dia. x 6.7" H

#### SAE CLASS II LED Reinforced polypropylene base

##### 7945A

- Amber; Low Lens
- 12-48 VDC; 1.3 A
- 3 Bolt / 1" Pipe
- 6.5" Dia. x 4.9" H

##### 7945A-VM

- Amber; Low Lens
- 12-24 VDC; 1.3 A
- Vacuum-Magnet
- 6.5" Dia. x 4.9" H

##### 7950A

- Amber; High Lens
- 12-48 VDC; 1.3 A
- 3 Bolt / 1" Pipe
- 6.5" Dia. x 6.7" H

##### 7950A-VM

- Amber; High Lens
- 12-24 VDC; 1.3 A
- Vacuum-Magnet
- 6.5" Dia. x 6.7" H

Available Colors:  
Amber, Blue, Clear,  
Green & Red



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### L10 SUPER-LED® SERIES CLASS 1 BEACONS



- 75 SignalAlert™ Flashes Per Minute
- 18 Scan-Lock™ Flash Patterns
- Sync provides the ability to connect multiple Whelen devices to flash together or in alternating patterns
- Polycarbonate Base
- Voltage: 12VDC / Amps: 1.0A peak, 0.4A avg.
- High Lens: 6.33" Dia. x 6.42" H; Low Lens: 6.33" Dia. x 4.9" H
- Permanent mount models include 6" pigtail
- Magnet mount models include 10' cord and cig. plug with built-in LED On/Off switch and pattern control selection switch
- Full reverse polarity protected
- SAE Class 1 (Amber)



5 Year  
Warranty

**WARRANTY:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For information, visit [whelen.com/regulatory](http://whelen.com/regulatory)

Part #	Description	Dome Size
L10HAM	Amber Magnetic Mount	High
L10HAP	Amber Permanent Mount	High

Part #	Description	Dome Size
L10LAP	Amber Permanent Mount	Low
L10LAV	Amber Magnetic/Suction Mt	Low

### UNI-BOND CLASS 1 LED BEACON

- 6 Flash Patterns
- Amber Lens / Amber LEDs
- 12-48 VDC; 1.5 Amps @ 12V
- Aluminum Base Housing
- Polycarbonate Lens
- 6.5" Dia. x 4.66" H
- Magnet Suction Cup Mount includes 5-ft. Cigarette Adapter
- SAE J845 Class 1
- IP67
- 2 Year Warranty



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Description
E-557A	Amber 3-Bolt Permanent / Pole Mount
E-557AM	Amber Magnetic Suction Cup Mount

### UNI-BOND 7" LOW PROFILE CLASS 1 BEACON

- 12-48 VDC; 1.5A @ 12V
- 8 Flash Patterns including Rotating Flash
- Aluminum Base; Polycarbonate Lens
- Mag Mount includes ON/OFF & Pattern Selection switch (10' wire)
- Perm. Mount: 7" Dia. x 3.5" H
- Mag. Mount: 8.3" Dia x 4.8" H
- SAE Class 1, EMC, IP67
- 2 Year Warranty



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Description
E-370A	Permanent Mount, Amber
E-370AM	Magnet Suction Cup Mt., Amber

## WARNING BEACONS

## UNI-BOND CLASS 2 HIGH VOLTAGE LED BEACON

- Low 3" high profile
- 12-110 VDC
- 5 Flash Patterns including Quad Flash
- SAE J845 Class 2

- Amber Lens
- 5.63" Dia. x 3.25" H
- EMC, IP65, RoHS
- 2 Year Warranty



Part #	Description
E-530A	Amber 3-Bolt Permanent Mount

Part #	Description
E-530AM	Amber Magnetic Mount

2 Year Warranty

## TAURUS CLASS 2 AMBER LED BEACON

- 360° LED Warning Light
- Flash Pattern: Rotative
- Voltage: 10-30 VDC, 9-Watt
- Polycarbonate lens & compound thermoplastic housing

- DIN Pole Mount: 5.03" Dia. x 7.99" H
- DIN Pole Mount Connector: ISO 4148/4165
- Approvals: Class 2, R65, R10
- 3 Year Warranty



#D14483

## SERVICEMATE CLASS 2 LED BEACON

- Compact and powerful LED light output
- 28 selectable flash patterns, plus two steady-on, cycle all
- External pattern select wire
- Twist on/off lens for quick field maintenance
- Durable ABS plastic base
- Polycarbonate lens



- Voltage: 12-110 VDC
- Amp Draw: 0.35A @ 12V
- Dimensions: 4" Dia. x 5" H
- 2-bolt mount
- SAE Class II (Amber) - Does not apply to all flash patterns
- 5 Year LED Warranty



#SMX24A



Ideal for material handling equipment

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov)

## SERVICEMATE CLASS 3 LED BEACON

- Compact and powerful LED light output
- Amber LED
- Double flash pattern
- Polycarbonate base and lens
- Voltage: 10-80 VDC
- Amp Draw: 1.5A @ 12V



- Bare lead connector
- Dimensions: 3.9" Dia. x 4.5" H
- 2-bolt mount
- SAE Class 3
- ECE R10-06, UL approved
- 3 Year Warranty



#SM-US360



## ECCO 6262 CLASS 3 LED BEACON

- Ideal for material handling equipment and Industrial applications
- Pulse8 flash operation, 8 flashes per cycle (70FPM)
- Reinforced nylon base with epoxy-sealed electronics
- Reverse polarity, voltage spike and surge protected
- Amber thread-on polycarbonate lens
- 12-80 VDC; 0.12 Amps
- 2-bolt mount
- 3.9" Dia. x 4.9" H
- SAE Class III (A, C & R only), CE, R10, UL, IP67, RoHS
- 5 year warranty



Part #	Description
6262A	Amber 2-Bolt Permanent Mt.
6262B	Blue 2-Bolt Permanent Mt.

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov)

Available Colors  
Amber, Blue, Clear, Green & Red

Check out the ELECTRICAL SECTION for wiring and various connectors to install your warning lights



## SOLAR WARNING BEACONS

### RED SOLAR POWERED STROBE LIGHT

The Sealite SL60 is a popular and versatile 2 nautical mile solar marine light that can be installed in minutes, requires no operator intervention and operates maintenance-free for up to five years. During daylight hours, the solar module will charge the battery, and the lantern will automatically begin operation at dusk – once the ambient light threshold drops sufficiently.

- Tough, lightweight LEXAN polycarbonate case
- Replaceable NiMH battery pack
- 4 user adjustable intensity settings
- 6 ultra high intensity LEDs
- IP68 Waterproof
- Life expectancy up to 12 years with battery replacement every 5 years (approximately)
- 3 year fix or replace warranty
- Also available in clear and amber



#SL-60-R-LB

Lead Time May Apply



#SL-MK-XL

Optional Magnetic Kit

**WARNING:** This product can expose you to chemicals including Cobalt and Nickel Hydroxide, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### SOLAR CHARGED BATTERY POWERED AMBER LED FLASHING BEACON

*Charges During the Day  
Flashes at Night*

- Charges during daylight hours with solar panel on top of light
- **Medium brightness LED lamp**
- 6-8 hour standard charge time
- 24 hours of On-Time when fully charged
- 30 Quad Flashes / Minute
- 1,000 Charge/Discharge Cycles
- 4" H x 4" Dia. (5" w/flange)
- Weatherproof
- 3-Bolt Mounting
- Magnet base included
- 1 Year Warranty

#PSLM2SPX-A



## KILL ZONE WARNING LIGHTS

### MODEL 529 LED WARNING AND SAFETY LIGHT

The innovative Model 529 LED Big Stripe Warning and Safety Light is the ideal solution for identifying dangerous areas on construction and mining job sites. The Big Stripe Warning and Safety Light projects a highly visible safety strip of light that **creates a keep-out zone to keep workers, pedestrians, and other vehicles at a safe distance**.

- 12-24V
- Effective lumens: 886
- Identifies dangerous areas, reducing workplace injuries by creating a "no-go" zone
- Intended for use in Mining, Construction, Agriculture, Material Handling, and Railroad applications
- For additional eye-catching visibility, use the flash mode instead of the constant beam of light to alert workers and pedestrians of dangerous areas. The optional flash rate is 1 second. (No synchronization is required)



Yellow Wire: Steady state on

White Wire: Flash 1 Hz

Black Wire: Ground

- For flash mode: Both black and white wires must be connected to negative (-)
- Clear polycarbonate lens
- Black aluminum housing
- Stainless steel pedestal mount
- 3-Pin deutsch connection
- 18.64" W x 2.34" H x 2.15" D
- IP67, IP69K & ECE Reg. 10 Compliance
- 2 Year warranty

#1300561

**J.W. SPEAKER** Engineered Lighting Solutions



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## MATERIAL HANDLING WARNING LIGHTS

### EW2002 Blue Oval LED Pedestrian Spotlight

Designed specifically for material handling applications to provide visual warning for pedestrians. Extremely resistant to impact and vibration damage.

- Two 3-Watt LEDs
- Blue spot projection
- Aluminum heatsink housing
- Polycarbonate lens
- 12-80 VDC
- 0.6 amps
- R10, UL, IP67, RoHS
- 5 Year Warranty



#EW2002B



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### SHD BLUE LED Material Handling Safety Light

- 15G Vibration
- 90G shock
- 5-Watt
- 12-100 VDC
- Dimensions: 4.29" L x 4.29" H x 4.84" D



#90.823

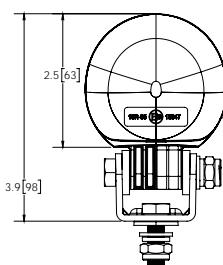
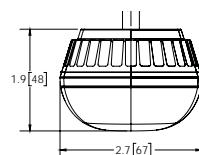


**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### EW2030R ARC BOUNDARY LINE

The EW2030R Pedestrian Boundary Line is **designed for material handling applications** to provide a visual warning on mobile equipment. This LED device provides 180° of coverage by projecting a red boundary arced around the vehicle.

- Arc beam up to 180°
- Bright, solid red coverage
- Convex polycarbonate lens
- Highly efficient one 6-watt LED
- Crisp arc boundary line
- 12" cable length
- Stainless steel mounting bracket
- Extremely resistant to impacts and vibration
- 12-80 VDC; 1.04 amps
- R10, IP67, UL, RoHS
- 5 Year Warranty



#EW2030R

Works well with  
**EW2110 Series,**  
**EW2010 Series Arrow,**  
**EW2015R Boundary,**  
**EW2025 Boundary,**  
or **EW2002 Spot**



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## MATERIAL HANDLING WARNING LIGHTS

### ECCO RED LED BOUNDARY LINE

ECCO's LED Pedestrian Boundary Line is **designed specifically for material handling applications to provide a visual warning for pedestrians in the vicinity of mobile equipment**. This light is intended to supplement a 360-degree warning light by projecting a red boundary line onto the ground on each side of the vehicle. This additional safety feature is especially useful where blind corners are present and is likely to be seen by pedestrians who are not looking up or paying close attention to their surroundings.

- 12-80 VDC
- Three 3W LEDs
- Red Boundary Line Projection
- Aluminum Heat sink housing

- 5 Year Warranty



#EW2015R

Pedestrian warning  
for material handling  
applications



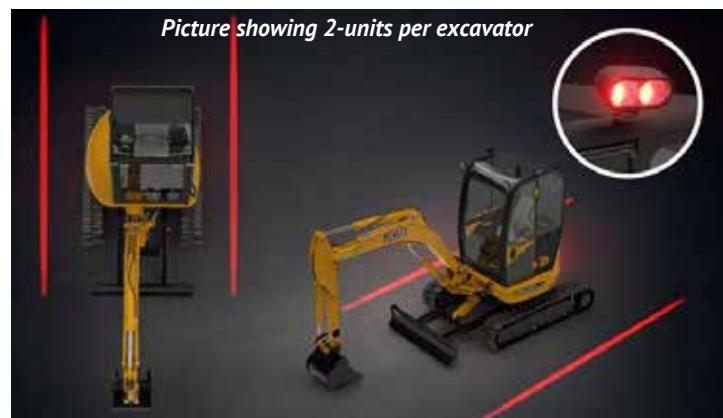
### EW2025R OUTDOOR BOUNDARY LINE

#### Pedestrian Safety Zone

The EW2025R Outdoor Pedestrian Boundary Line is **designed for material handling applications to provide a visual warning on mobile equipment and heavy machinery**. This adjustable LED device projects a solid red boundary on the side of the vehicle. Combined with traditional warning and lighting equipment, the additional safety capability is especially useful when operating in the yard, near pedestrian traffic and around blind corners.

#EW2025R

- Ideal for low intensity light applications (not recommended during high-noon sun)
- Great for heavy machinery as well as heavy pedestrian areas
- Robust design
- Clear polycarbonate lens
- Aluminum heatsink housing
- Stainless steel mounting bracket
- Extremely resistant to impacts and vibration
- 12-80 VDC; 1.5 amps



Picture showing 2-units per excavator  
Works well with EW2110 Series, EW2010 Series Arrow, EW2015R Boundary, EW2030R Boundary, or EW2002B Spot

- 5.1" W x 2.4" H x 2.6" D
- R10, IP67, UL, RoHS
- 5 Year Warranty



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



## ED3800 VIZ™ SERIES DIRECTIONAL WARNING LIGHTS

**Illuminates High-Visibility Clothing & Materials**



The ED3800 Viz™ Series LED warning light features groundbreaking **HINVII™ technology** that significantly enhances jobsite safety by actively illuminating high visibility gear such as vests, cones and signage, improving worker visibility in high traffic areas, low light conditions and fog. Designed for utility, construction and commercial service vehicles, this ultra low profile directional light offers easy mounting and delivers superior performance with synchronized flash patterns, wide angle optics and independent color control, setting a new standard in vehicle safety lighting. Patented technology

- 12-24 VDC; 0.85 Amps
- Highly effective with high visibility materials; safety vest, traffic cones and signage
- Significantly enhances worker safety and job site visibility
- Illuminates non-UV light that is non-harmful to humans
- Viz illumination is not a warning light, municipalities may have specific rules about this color, check your local regulations
- Ultra low-profile surface mount
- Synchronizable
- Die-cast base with polycarbonate lens
- 4.75" L x 1.4" W x 0.37" D
- SAE Class 1 & CA Title 13 (excludes HINVII)
- CE, UK CA, R10, IP67, IP69K, RoHS and REACH
- 5 Year Warranty



#ED3802AWH



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## ION™ T-SERIES™ AND MINI T-SERIES

**WHELEN®**

- Linear Super-LED® optics
- Fully encapsulated
- Surface mount
- Clear Lens
- Voltage: 12 VDC
- 25 Scan-Lock™ flash patterns
- Will Sync to other Whelen Sync products
- Includes a 4 wire 6" pigtail and black mounting flange
- SAE Class 1, IP 67
- 5 Year Warranty



Part #	Series	Color	Size
TLIA	T-Series	Amber	5" W x 1.5" H x 0.5" D
TLIC	T-Series	White	5" W x 1.5" H x 0.5" D
TLMIA	Mini T-Series	Amber	3.34" W x 1.5" H x 0.5" D
TLMIC	Mini T-Series	White	3.34" W x 1.5" H x 0.5" D

**WARRANTY:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For information, visit [whelen.com/regulatory](http://whelen.com/regulatory)

## TIR3™ / LIN3™ SERIES LIGHTHEAD

**WHELEN®**

- Directional LIN3 optics
- Fully encapsulated
- Surface mount
- Amber LEDs / Clear lens
- Voltage: 12 VDC / Amps: 0.40A peak, 0.16A avg.
- 3.50" L x 1.125" H x 1.25" D
- 25 Scan-Lock™ flash patterns (Scan-Lock™ utilizes an external wire to allow the user to cycle through the entire range of flash patterns)

- Includes a 6" pigtail and black polycarbonate mounting flange
- Sync to other Whelen Sync products
- Hard-coat (counteracts the effects of environmental and chemical damages to our lenses and domes)
- SAE Class 1
- 5 Year Warranty



Part#	Technology	Diodes/Lens	Mount
RSA02ZCR	LIN3 Super-LED®	Amber/Clear	Horizontal

**WARRANTY:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For information, visit [whelen.com/regulatory](http://whelen.com/regulatory)

## ED3700 SERIES SURFACE MOUNT DIRECTIONAL LEDS

- 3 LED Single color options with controllable flash patterns
- Synchronizable, dimmable, and steady-burn modes
- Polycarbonate lens and waterproof housing ensure extended life
- 12-24 VDC
- 3.7" W x 1.4" H x 0.6" D
- Black Bezel (included with product)
- SAE Class 1, CA Title 13, R10, R65, IP67, IP69K, RoHS
- 5 Year Warranty



Part #	Flash Patterns	LED Color
ED3703A	21	Amber
ED3703B	21	Blue
ED3703C	21	Clear
ED3703G	21	Green
ED3703R	21	Red

\*\* Short Lead Time May Apply On Some Colors \*\*

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## ED3802 SERIES DUAL-COLOR DIRECTIONALS

Part #	Types	Flash Patterns	LED Color
ED3802AB	Dual	69	Amber/Blue
ED3802AW	Dual	69	Amber/White
ED3802AG	Dual	69	Amber/Green
ED3802AR	Dual	69	Amber/Red
ED3802BW	Dual	69	Blue/White
ED3802RB	Dual	69	Red/Blue
ED3802RW	Dual	69	Red/White

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



- 12-24 VDC; Amps 0.73
- 25% thinner than previous models
- High-intensity LEDs provide exceptional warning
- Ultra low-profile surface mount
- Synchronizable with other units for simultaneous or alternating operation
- 4.75" W x 1.4" H x 0.37" D
- Die-cast base with polycarbonate lens
- Each LED color can be controlled independently
- SAE Class 1, CA Title 13, R10, IP67, IP69, RoHS
- 5 Year Warranty

## ED3777 SERIES DIRECTIONAL WARNING LIGHT



*180° Warning Lights  
With Work Light  
& Puddle Light  
Combinations*



Part #	Types	Flash Patterns	LED Color
ED3777AW	12 LED, Dual	69	Amber/Clear

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## MICROPULSE™ ULTRA PERIMETER LIGHTS

- Superior warning with high-powered LEDs
- Low-profile design offers wide range of mounting locations
- Suitable for external and/or internal mounting applications
- Includes black bezel and gasket
- Single/multi-unit synchronization
- 12-24 VDC
- MPS620U: SAE J845 & SAE J595 Class I (A,R,B)
- MPS1220U: SAE J845 & SAE J595 Class I (A,R)
- 5.2" W x 1.26" H x 0.37" D (MPS620U)
- 5.25" W x 1.91" H x 0.45" D (MPS1220U)
- 3 Year Warranty



Part #	Types	Flash Patterns	LED Color
MPS62U-WA	12-LED Dual	23	6 White/6 Amber
MPS122U-WA	24 LED Dual	18	12 White/12 Amber

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## ECCO ED3511 DIRECTIONAL SERIES

### SAE CLASS 1 SURFACE MOUNT



- Twelve 1-watt high intensity LEDs provide exceptional warning for work trucks, tow trucks and commercial vehicle applications
- 36 flash patterns
- Twelve 1-watt high intensity LEDs provide exceptional warning
- Synchronizable with additional ED3511's and Hide-A-LEDs
- 12-24 VDC / 1.4 Amps
- 3.3" W x 1.1" H x 0.5" D; 2 Bolt Mount
- UV stabilized polycarbonate lens and 13" cable
- Other single and dual color combinations available by special order

#ED3511A



- SAE Class 1, CA Title 13, CE, R10, RCM, R65, IP67 and RoHS
- 5 Year Warranty

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## ED3794 SERIES

### DUAL-COLOR FLEXIBLE LED WARNING LIGHT



5 Year Warranty

- Flexible housing adapts to curved surfaces up to 120° *(Product cannot be bent in forward position)*
- Includes bezel for two-bolt mount on flat surfaces or VHB tape mount
- 69 flash patterns including steady burn
- 12-24 VDC; 0.8 Amps (ED3794), 0.4 Amps (ED3793)
- SAE Class 1, SAE Class 2 (ED3794 only, selective coverage), CA Title 13, R65 (ED3794 only), IP67, IP69K, RCM
- ED3794: 4.4" W x 1.1" H x 0.6" D with Bezel
- ED3793: 3.06" W x 1.1" H x 0.5" D with Bezel
- Sync-capable • Other colors available

Part #	LED Color
ED3793AW	3.06" Amber / White
ED3794AW	4.4" Amber / White

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## DUAL COLOR SURFACE MOUNT DIRECTIONAL LIGHT

### 8 TOTAL LEDS - 4 LEDS OF EACH COLOR



- Surface Mount, 4-LED light head
- Alternates between two sets of 4 each different colored LEDs creating a very attention-getting display in a small package
- Two units can communicate for a highly visible synchronized display
- 12-24 VDC; 1.0 Amp Max @ 12.8V
- User selectable flash patterns
- Die cast aluminum / Polycarbonate lens
- Other color combinations available by special order
- 4.5" W x 1.25" H x 3/8" D
- IP67 Rated, Low EMI
- 5 year limited warranty

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	LED Color
LED4580-AC	4 Amber LEDs / 4 White LEDs
LED4580-AB	4 Amber LEDs / 4 Blue LEDs
LED4580-AG	4 Amber LEDs / 4 Green LEDs

## UNI-BOND SUPER LOW PROFILE LED DIRECTIONAL LIGHTS



- Super Low Profile
- 5.13" L x 1.19" W x 0.25" H
- Stick on or 2-Bolt Mount
- 23 Flash Patterns
- 12-24 VDC
- Aluminum Base; Polycarbonate Lens
- SAE J595 Class 1 (on 5 flashes)
- IP67, EMC Certified



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Diodes Color	SAE
E-916AA	6 Amber/Amber	SAE J595 Class I
E-916BB	6 Blue/Blue	SAE J595 Class I (4)
E-916AW	6 Amber/White	SAE Not Applicable

## UNI-BOND LOW PROFILE AMBER LED DIRECTIONAL LIGHTS



- 21 Flash Patterns
- 12-24 VDC
- Synchronizable
- 4.5" L x 1.7" W x 0.35" H
- 2-Bolt Surface Mount w/Lead Wire
- Aluminum Base; Polycarbonate Lens
- SAE J595 Class 1, IP69K



Part #	Diodes
E-926A	12 Amber 3-Watt

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## UNI-BOND SUPER LOW PROFILE LED WARNING LIGHT

- 12 Flash Patterns
- 12-24 VDC
- Stick on or Screw on
- 3.5" L x 1.13" W x .25" H
- Aluminum Base; Polycarbonate Lens
- SAE J 595 Class 1, IPX8



Part #	Diodes Color	SAE
E-912A	3 Amber	SAE J595 Class I

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



## ECCO 3965 LED DIRECTIONAL SERIES

### SAE Class 1 Grommet Mount

- Eight flash patterns
- Fits standard rear-lighting grommet
- 12-24 VDC / 0.5 Amps
- Oval Grommet Mount; 7.5" W x 3.3" H
- 6" lead wire
- SAE Class 1 (Amber), Class 2 (Blue, Clear & Red Only), IP67



Part #	Description
3965A	Amber
3965AC	Amber / Clear



5 Year Warranty



**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## PETERSON 817S-9 LumenX®

### LED 4" Round Class I Strobing Lights

- Amber, Red or White 4" round LED strobe lights
- Simple 9 white diode behind colored lens improves reliability
- 73 quad flashes per minute
- Piercing intensity that exceeds SAE J595 Class 1 specifications
- Exceeds specs mounted in any 360° orientation
- Multi-volt operating range is compatible with both 12-volt and 24-volt vehicles
- AMP-compatible weatherproof receptacle for the best corrosion protection available



NOT A KIT - customers will need harness part # 417-49 and a 4" round rubber grommet part# 426-18



Part #	Diodes Color
817SA-9	Amber, Grommet Mount
817SR-9	Red, Grommet Mount
417-49	Harness with Stripped Hot Wire Leads / Ground Ring Terminal
426-18	4" Round Black PVC Grommet

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## 4" Round Quad Flash (Strobe) LED WARNING LIGHT



#E-940R-K



#E-940A-K

- Kit includes: Light, open back grommet & double contact pigtail
- Polycarbonate lens & body
- 24 diodes
- 9V-36V applications
- Quad flash
- SAE J595 Class 2
- 1.75" H x 4.25" Dia.

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## Oval Quad Flash (Strobe) LED WARNING LIGHT



#E-920A-K



#E-920R-K

- Kit includes: Light, open back grommet & double contact pigtail
- Polycarbonate lens & body
- 24 diodes
- 9V-36V applications
- Quad flash
- SAE J595 Class 2
- 1.75" H x 6.5" L x 2.25" W

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



*Warning lights make your trucks and equipment stand out on the side of the road.*

*Don't forget your employees!*

**Check out our selection of hi-viz clothing and coats in our SAFETY SECTION to help them also stand out.**

## UNDERCOVER LED LIGHTS

### ECCO LOW PROFILE DECK, DASH AND VISOR LIGHT



- ED5051VDL1-AW: Contains one ED5051 dual-color lighthead in a compact unit with 36 flash patterns including steady-burn
- ED5051VDL2-AW: Contains two ED5051 dual-color lightheads in a compact unit with 67 flash patterns including steady-burn
- Removable visor hood for versatile use on deck, dash or windows
- Multiple brackets included for permanent mount (screws or tape) or temporary mount (suction cups)
- Cigarette plug adapter and controller with flash pattern selector
- 12-24 VDC; 1.7 Amps
- ED5051VDL1-AW: 6.6" W x 1.3" H x 3.3" D
- ED5051VDL2-AW: 13.7" W x 1.3" H x 2.8" D
- SAE Class 1, CA Title 13, R10, RCM, and RoHS
- 5 Year Warranty

#ED5051VDL1-AW

AMBER/CLEAR



#ED5051VDL2-AW

AMBER/CLEAR



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### VERTEX™ SERIES LIGHTHEAD

- Self-contained light with in-line lamp driver
- Fully encapsulated
- 12 VDC / .750A peak, .30 avg.
- 25 Scan-Lock™ flash patterns
- Mounts internally within composite headlight and taillight assemblies
- 1" hole recess or surface (mounting purchased separately)
- 1" H x 1.625" Diameter
- Includes a 9' pre-wired and sealed 4-C/22 gauge cable with power, pattern, and synchronize wires
- Sync to other Whelen Sync products
- 10 Year Warranty

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For information, visit [whelen.com/regulatory](http://whelen.com/regulatory)



Part#	Description
VTX609A	Vertex Amber Super-LED® Lighthead
VTX609C	Vertex Clear Super-LED® Lighthead
VTXFB	Black Surface Mount Flange
VTXFC	Chrome Plated Surface Mount Flange

### ECCO ED9015 SERIES CLASS 2 HIDE-A-LED™ CONCEALED WARNING

- 12-24 VDC; 0.67 Amps
- 29 flash patterns
- All electronics embedded in lighthead
- 1" headlight/taillight mount or surface mount using included bezel
- Six LEDs per lighthead
- Multiple heads are synchronizable (simultaneous or alternating operation)
- Polycarbonate lens and 12" cable
- Class 2, CE, R10, IP67, IP69K, and RoHS
- 5 Year Warranty

Part#	Description
ED9015A	Amber Hide-A-LED Concealed Warning
ED9015W	White Hide-A-LED Concealed Warning



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### ED9040 SERIES DIRECTIONALS

- Slim low-profile design with 6 powerful LEDs
- Surface/Flush Mount (1" Hole)
- 12-24 VDC
- All controls embedded in the head light, avoiding a LED flash controller
- Steady burn and dimmable
- Sync-capable
- 10" pigtail cable
- Class 1, R10, IP67
- 5 Year Warranty

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



Part#	Type	Flash Patterns	LED Color
ED9040AW	Dual Color	69	Amber / White



## CLEARING THE AIR ABOUT PRECLEANERS

**turbo® Precleaners remove up to 98% of the dirt, dust, rain and snow before it reaches the filter.**

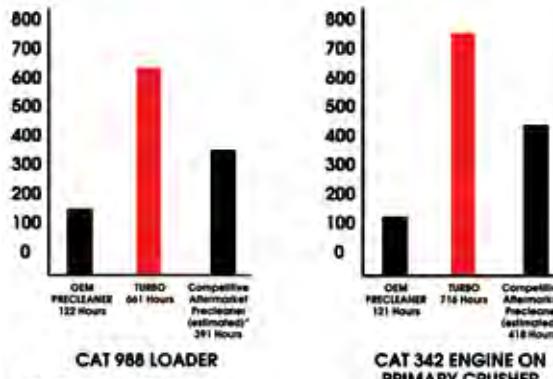
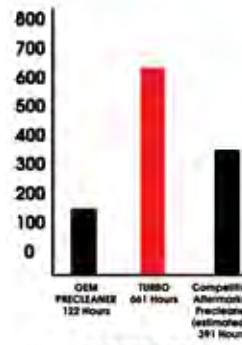
**Air filter life can be extended by 8 to 10 times, while saving fuel, maximizing power, and extending engine life.**

### What Makes the turbo® II Right for You?

- Provides longer air filter life with lower flow restrictions and higher efficiencies than anyone else
- Reduces the amount of dirt getting to the engine oil
- Cuts maintenance, labor downtime losses, and costs
- Extends engine life, while improving engine efficiency saving fuel and related costs
- Lasts a long time with their "zinc-grip" galvanized construction and 3 mil coat of polyester powder paint
- Their high speed bearings (spinner) are guaranteed for the life of the unit



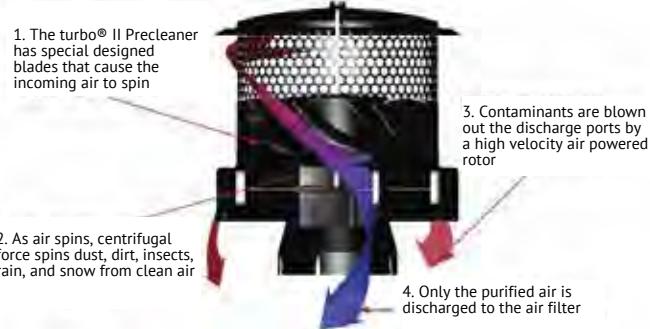
Independently conducted test using Arizona coarse dust (SAE test dust) which consists of 38% by weight of particles less than 20 microns.



\*Calculations based on known efficiency

### How turbo® II Precleaners Work

turbo® II Precleaners remove over 50% more dust, chaff, rain, snow and insects than any bowl precleaner - before they hit your filter! Air filters last two to six times longer and engine oil stays cleaner, so there's less wear on your engine. Most of the time, the turbo® II Precleaner will pay for itself in savings from not having to buy as many air filters. turbo® II Precleaners are self-cleaning and self-powered. There's no maintenance! Protect your investment and reduce maintenance expenses. Why wait any longer?



Sizes to fit engines from 15 to 2000 horsepower.

**Precleaner should be selected to match air flow/CFM of engine.  
DO NOT SELECT by air intake size alone.**

In order to accurately determine the proper turbo® Precleaner to use with any specific make or model of a diesel or gasoline engine, you must first calculate the C.F.M. (cubic feet per minute of air) requirement of that engine. In making this calculation, it is important to note that any change in R.P.M. (revolutions per minute) or the addition of a turbocharger can alter the C.F.M. rating of the engine.

#### Formula

$$\text{Air (CFM)} = \frac{\text{R.P.M.} \times \text{C.I.D.} \times \text{Vol. Eff.}}{3456}$$

To convert Metric Displacement to C.I.D. for use in the formula above, use the following factors:

Displacement in Liters  $\times 61.02 = \text{C.I.D.}$

#### Volumetric Efficiency

<b>Diesel Engines - normally aspirated</b>	<b>= .85</b>
<b>Turbocharged</b>	<b>= 1.85</b>
<b>(intercooled / aftercooled)</b>	

C.F.M. - Cubic Feet per Minute | R.P.M Revolutions per Minute | C.I.D Cubic Inch Displacement | Vol. Eff. - Volumetric Efficiency

## TURBO® II PRECLEANERS

turbo® II performs its job in the toughest environments day in and day out. The unique design is all about preventing micro-abrasive dust from entering the machine's engine creating cleaner air to prolong the engine life. From its durable metal construction to its high efficiency and low restriction across the entire range, turbo® II is chosen worldwide by equipment operators for installation on loaders, graders, crushers, haulers, mixers, and mining machines. Anywhere a high level of protection is needed and where dust is an issue, the turbo® II is a must.



Part #	Inlet Size	Mfr. #	Operating Range
Model 24-3	3"	21-1024000	100-250 CFM
Model 24-4	4"	21-1024015	100-250 CFM
Model 35 Turbo II	4.5"	21-1035000	250-350 CFM
Model 46-4.5 Turbo 2	4.5"	21-1046000	350-700 CFM
Model 46-5 Turbo II	5"	21-1046001	350-700 CFM
Model 46-6 Turbo II	6"	21-1046002	350-700 CFM
Model 68-6 Turbo II	6"	21-1068001	700-1100 CFM
Model 68-7 Turbo II	7"	21-1068002	700-1100 CFM
Model 68-8 Turbo II	8"	21-1068003	700-1100 CFM

## turbo II HD

Tough made tougher. The NEW turbo® HD packs the same great features as the turbo® II with an added layer of protection - ideal for the most extreme work environments.

- Additional prescreen adds more than 3 times the debris catching surface area
- Prescreen captures airborne debris - Leaves, Paper, Chaff, Plastic Bags and other large airborne materials
- Easily cleaned without having to take the unit apart
- Turbo® HD prescreens available on Turbo® II Model 46 and Model 68
- Retrofit kits available for Model 46 & Model 68

Retrofit Part #	Description
21-1100159	Model 46 Retrofit Kit
21-1100160	Model 68 Retrofit Kit

A necessity for landfill and agriculture applications

HEAVY DUTY!



Part #	Description	Inlet Size	Operating Range
21-1046006	Model 46	4-1/2"	350-700 CFM
21-1046005	Model 46	5"	350-700 CFM
21-1046004	Model 46	6"	350-700 CFM
21-1068005	Model 68	6"	700-1100 CFM
21-1068006	Model 68	7"	700-1100 CFM
21-1068007	Model 68	8"	700-1100 CFM

## turbo II MAX

- Same great down air flow design as the turbo II for highest efficiency
- Features an extended, rugged steel "cap" over top of the unit, adding unbeatable protection from heavy rain and snow
- New larger hexagonal screen with 2 times the debris blocking surface area
- Available in Model 68 that boasts 700 - 1100 CFM
- Inlet sizes of 6", 7" and 8"
- Tested to industry SAE J726 and ISO 5001 standards
- Lifetime warranty on the high-powered efficient ejection spinner

Part #	Description	Inlet Size	Operating Range
21-1068026	Model 68	6"	700-1100 CFM
21-1068027	Model 68	7"	700-1100 CFM
21-1068028	Model 68	8"	700-1100 CFM



HEAVY DUTY!

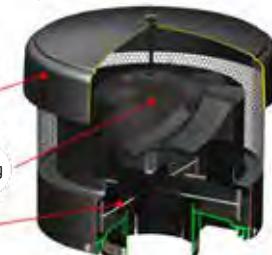
Designed for graders, mixers, loaders, haulers, crushers, mining machines, and more



Rugged steel construction of extended "cap" for protection from heavy rain and snow

Turbo's signature "top-down" airflow design offers the highest efficiency air cleaning

High velocity spinner ejects debris and is protected by Turbo's lifetime warranty



**turbo® Precleaners remove up to 98% of the dirt, dust, rain and snow before it reaches the filter.**

**Air filter life can be extended by 8 to 10 times, while saving fuel, maximizing power, and extending engine life.**

## TURBO® III PRECLEANERS

Offering the same superior protection against damaging micro abrasive dust as the turbo II is our latest generation pre-cleaner, the turbo III. Made up of high strength glass-reinforced polymer, the turbo III Pre-cleaner carries the same high efficiency, low restriction reputation of the turbo II only lighter and easier to install. The efficient "top-down" flow design draws dirty air through the protective screen at the top of the unit and ejects it out.



Part #	Model	Inlet Size	Mfr. #	Air Flow	OD	Height
1-320-000	15	2"	21-1320000	15-85 CFM	5.27"	5.13"
1-330-000	50	3"	21-1330000	50-250 CFM	7.5"	8"
1-330-001	50	4"	21-1330001	50-250 CFM	7.5"	8"
1-345-000	200	4.5"	21-1345000	200-500 CFM	9.34"	11.61"
1-350-000	200	5"	21-1350000	200-500 CFM	9.34"	11.61"
1-450-000	390	5"	21-1450000	300-700 CFM	12.37"	11.49"
1-460-000	390	6"	21-1460000	300-700 CFM	12.37"	11.49"
1-470-000	390	7"	21-1470000	300-700 CFM	12.37"	11.49"
1-360-000	500	6"	21-1360000	500-1100 CFM	13.77"	14.7"
1-370-000	500	7"	21-1370000	500-1100 CFM	13.77"	14.7"
1-380-000	500	8"	21-1380000	500-1100 CFM	13.77"	14.7"

The turbo® III pre-cleaner prolongs the life of your engines by significantly reducing engine wear. It's the pre-cleaner of choice for equipment operators in the dustiest, dirtiest environments.



## TURBO® POWER RAM™ PRECLEANERS



A rugged, heavy duty pre-cleaner for a wide variety of applications where directional flow is desired. The Power Ram pre-cleaner covers the broadest flow range with excellent efficiency and low restriction. It's on a variety of machines including construction, mining and on-road applications. This pre-cleaner utilizes RAM effect to achieve high pre-separation efficiency, extending the life of your primary air filter and saving you money and limiting down time. Composed of durable, high-strength metal. Power Ram™ is tested to industry SAE J726 and ISO 5011 standards.

Part #	Inlet Size	Mfr. #	Operating Range
Power Ram-6	6"	21-1080002	500-1500 CFM
Power Ram-7	7"	21-1080003	500-1500 CFM
Power Ram-8	8"	21-1080004	500-1500 CFM

Some applications require our Y-Pipe for two Power Rams mounted side-by-side.



In order to accurately determine the proper turbo® Pre-cleaner to use with any specific make or model of a diesel or gasoline engine, you must first calculate the C.F.M. (cubic feet per minute of air) requirement of that engine. In making this calculation, it is important to note that any change in R.P.M. (revolutions per minute) or the addition of a turbocharger can alter the C.F.M. rating of the engine.

### Formula

$$\text{Air (CFM)} = \frac{\text{R.P.M.} \times \text{C.I.D.} \times \text{Vol. Eff.}}{3456}$$

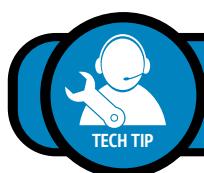
To convert Metric Displacement to C.I.D. for use in the formula above, use the following factors:

Displacement in Liters x 61.02 = C.I.D.

### Volumetric Efficiency

Diesel Engines - normally aspirated	= .85
Turbocharged	= 1.85
(intercooled / aftercooled)	

C.F.M. - Cubic Feet per Minute | R.P.M. Revolutions per Minute | C.I.D. Cubic Inch Displacement | Vol. Eff. - Volumetric Efficiency



When ordering a pre-cleaner, the CFM is more important than the inlet size. If you order a pre-cleaner and the CFM is not enough, you can starve the engine of air. Please contact your dealer about ordering the proper pre-cleaner for your equipment.

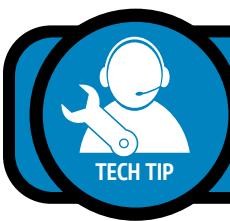
## ENGINAIRE PRECLEANERS

### Molded, fiber-filled, composite precleaner



- Removes 94% of SAE coarse dirt and up to 99.9% of larger airborne particles.
- Self cleaning (no dust bowl clean out)
- Save up to:
  - 12 times the filter life
  - 10% on fuel costs
  - 15% on oil costs
  - 25% lower engine maintenance
  - 50% less engine downtime
  - 25% increase engine life

Part #	Inlet Size	CFM Range
2-20/150	2"	20-150
3-75/250	3"	75-250
4-150/465	4"	150-465
4.5-250/600	4.5"	250-600
5-250/600	5"	250-600
6s-250/600	6"	250-600
6-350/1100	6"	350-1100



Information we need to determine the correct CFM for your engine:

- RPM: Revolutions Per Minute
- CID: Cubic Inch Displacement (or Engine Liters)
- Turbocharged with intercooler or aftercooler

If your engine has a Tier 4 emissions rating, you must contact the engine manufacturer to get your CFM.

### Original Metal Enginaire Pre cleaners



- Cast Aluminum
- Angled louvers
- Stainless steel rotor
- Dual Bearings
- Polished aluminum hood
- Discharge port
- Self cleaning
- Increases the life of your filters
- Extends life of engine



Part #	Inlet Size	CFM Range
255	2.5"	100-200
330	3"	140-350
440S	4"	140-350
445 Enginaire	4.5"	300-600
550	5"	300-600
660S	6"	300-600
660 Enginaire	6"	400-850
770L	7"	500-1400
880	8"	500-1400
990 Enginaire	9"	900-2000
1010 Enginaire	10"	900-2000



When ordering a pre-cleaner, the CFM is more important than the inlet size. If you order a pre-cleaner and the CFM is not enough, you can starve the engine of air. Please contact your dealer about ordering the proper pre-cleaner for your equipment.

## TURBO EXHAUST COVER

Eliminate the need to use duct tape or rags in your exhaust. The turbo Exhaust Cover is meant to protect your turbo® while transporting the equipment. Reduces down time and repairs, plus you can re-use them.



**#SM7**

Fits up to a  
7" exhaust



MADE IN  
U.S.A.



**#SM12**

Fits up to a  
12" exhaust

Color May Vary

## PELICAN™ ELITE COOLERS

- Extreme ice retention, freezer-grade seal
- Heavy-duty handles
- Press & pull latches (wide for gloved use)
- Molded-in lock hasp, stainless steel plate
- Non-skid & non-marking raised feet

- Built-in bottle opener
- Sloped drain & tethered threaded plug
- Integrated cup holders
- Guaranteed for life



**PELICAN™**

### 20-Quart Coolers

Part #	Color
20Q-1-DKGRYEGRN	Dark Gray/Green
20Q-1-DSGGRY	Sage/Gray
20Q-1-WHTGRY	White/Gray
20Q-15-HGRTAN	Hunter Green/Tan
20Q-5-CMTWHT	Cement/White

Interior: 12" L x 6.7" W x 14.1" D  
Exterior: 18.8" L x 12.6" W x 17.7" D



### 50-Quart Coolers

Part #	Color
50Q-1-DKGRYEGRN	Dark Gray/Green
50Q-1-DSGGRY	Sage/Gray
50Q-1-WHTGRY	White/Gray
50Q-15-HGRTAN	Hunter Green/Tan
50Q-5-CMTWHT	Cement/White

Interior: 17.5" L x 11" W x 13.7" D  
Exterior: 30" L x 20.3" W x 20.4" D



### 30-Quart Coolers

Part #	Color
30Q-1-DKGRYEGRN	Dark Gray/Green
30Q-1-DSGGRY	Sage/Gray
30Q-1-WHTGRY	White/Gray
30Q-15-HGRTAN	Hunter Green/Tan
30Q-5-CMTWHT	Cement/White

Interior: 14.6" L x 10.2" W x 11" D  
Exterior: 25.3" L x 19" W x 18.5" D

### 70-Quart Coolers

Part #	Color
70Q-1-DKGRYEGRN	Dark Gray/Green
70Q-1-DSGGRY	Sage/Gray
70Q-1-WHTGRY	White/Gray
70Q-15-HGRTAN	Hunter Green/Tan
70Q-5-CMTWHT	Cement/White

Interior: 23.5" L x 11" W x 14.3" D  
Exterior: 36" L x 20.3" W x 21" D

## PELICAN™ PERSONAL COOLERS

**Lunch Just got Cooler!** This personal cooler features separate compartments for wet and dry storage, including a dry box to store personal items, a removable inner tray to keep non-perishables cool, and a main compartment for larger items.

### 8-Quart Personal Coolers

Part #	Color
8Q-1-CMTWHT	Cement/White
8Q-1-DKGRYEGRN	Dark Gray/Green
8Q-1-DSGGRY	Sage/Gray
8Q-1-HGRTAN	Hunter Green/Tan
8Q-1-MBLWHT	Midnight Blue/White
8Q-1-WHTGRY	White/Gray

Interior: 10.8" L x 6.4" W x 7.5" D  
Exterior: 13.4" L x 9.45" W x 10.5" D



### 14-Quart Personal Coolers

Part #	Color
14Q-1-CMTWHT	Cement/White
14Q-1-DKGRYEGRN	Dark Gray/Green
14Q-1-DSGGRY	Sage/Gray
14Q-1-HGRTAN	Hunter Green/Tan
14Q-1-MBLWHT	Midnight Blue/White
14Q-1-WHTGRY	White/Gray

Interior: 12.75" L x 7.25" W x 8.75" D  
Exterior: 18" L x 11.5" W x 13" D

### DAYVENTURE SLING COOLER



#### #SOFT-CSLING-COYOTE

- Holds 12 cans plus ice or 4 wine bottles
- Water-resistant, durable, tear-proof outer shell
- Padded shoulder strap
- Side pocket for added storage
- Wide opening for easy access
- 7.5" x 7.5" x 18.3"



### DAYVENTURE BACKPACK COOLER



#### #SOFT-CBKPK-COYOTE

- Insulated cooler compartment holds 6 cans plus ice
- Dry storage compartment for wet or dry items
- Padded shoulder straps
- Compression molded base
- Wide roll top opening
- 12.1" x 7.1" x 21.7"



### PELICAN™ ICE PACKS



Part #	Description
PI-1LB-BLU	1-Lb. Ice Pack
PI-2LB-BLU	2-Lb. Ice Pack
PI-5LB-BLU	5-Lb. Ice Pack

- Blow-Molded Ice Pack
- UV protective shell
- Rugged, Reusable, and non-toxic
- BPA-free and FDA compliant
- Custom-designed to fit in Pelican Coolers

## PELICAN<sup>®</sup> STORM STORM CASES



#IM2100-00001

Interior: 13" L x 9.2" W x 6" D  
 Exterior: 14.2" L x 11.4" W x 6.5" D



- Two press & pull latches
- Double-layered, soft-grip handle
- Two Padlockable Hasps

- Vortex<sup>®</sup> Valve
- Flush powerful hinges
- Meets carry-on regulations
- Lightweight strong HPX<sup>®</sup> resin



#IM2300-00001

Interior: 17" L x 11.7" W x 6.2" D  
 Exterior: 18.2" L x 13.4" W x 6.7" D

- Watertight
- IP67 rating for dust and water ingress protection
- Limited lifetime warranty

## PELICAN<sup>™</sup> VAULT GUN CASES



- Crushproof, dustproof, and weather resistant
- High-impact polymer assures protection of your firearm

- Heavy-duty handles are ergonomic and will stand up in even the toughest conditions
- Four stainless steel lock hasps

- Push button latches offer secure closure with easy open access
- Five layers of protective foam
- 3 year limited warranty

#VCV770-0001-BLK  
Vault Single Rifle Case

Interior: 50" L x 10" W x 6" D  
 Exterior: 51.47" L x 13.15" W x 6.65" D

#VCV730-0001-BLK  
V730 Vault  
Tactical Rifle Case

Interior: 44" L x 16" W x 6.25" D  
 Exterior: 47.12" L x 19.18" W x 6.9" D

## 4-FT. FULLY LIT RGB LED WHIP

- 12 Volt Operation
- 0.5A @ 12 VDC
- EVA Semi-Flexible Tubing
- Quick Disconnect Mount
- M12 Bolt Mounting
- Working Temperature: (down to) -40°C
- Controller Included



#EW3040RGB

## RECREATIONAL LED WORK LIGHT KIT

- Kit Includes One 10" Lightbar with position light and Two 2.75" Cube Lights
- Electronic Thermal Management
- Aluminum Housing and PC Lens
- Off-Road Application
- EMC, RoHS
- IP68 & IP69K



#LW881038K2

### 10" White & Amber LED Lightbar w/Position Light

- Combo Beam
- Nine x 5W LEDs
- **3,780 Raw Lumens**
- 2,300 Ft. Optimal Penetration
- 12-30V; 3.0A @ 12V
- Side Mounts Included
- 10" W x 1.86" H x 2.14" D



### Two 2.75" Cube LED Work Lamps

Specs are per lamp

- Flood Beam
- **1,920 Raw Lumens**
- 400 Ft. Optimal Penetration
- Four x 5W LEDs
- 12-30V; 1.94A @ 12V
- U-Bracket Included
- 2.75" W x 2.84" H x 2.35" D



# Brigade Electronics - Providing fleet safety for 50 years



## Samsara Integration Multiplexer

Add individual side and rear cameras or the 360° Backeye View system with a simple multiplexer.



## Camera with Human Form Recognition AI

Recognizes and alerts the driver to people in the front and/or rear blind spot.



## Backeye® 360 AI

360° 4-camera system provides the driver with a top down view of the vehicle's surroundings. Available with or without AI.



## Mobile Recorder

Captures vehicle data and video footage from up to 12 vehicle mounted cameras.



## Collision Warning Radar

Fixed and programmable detection zone to alert drivers to stationary and moving objects.



## Connected Services

Full video telematics and GPS tracking for incident recreation. Integrates with Geotab for full telematics.

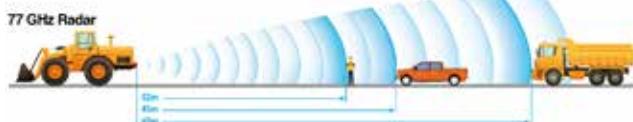


# Brigade

You're safer with us

## BS-8000 PROGRAMMABLE BACKSENSE® OBSTACLE DETECTION SYSTEM

- 12-24 VDC
- Rugged design for harsh environmental conditions
- Effectively detects stationary, moving, & multiple objects
- 1 activation input, 1 trigger output
- 5 stage audible & visual distance warning display
- Sensor size (W x H x D) 8.5 x 5 x 1.9 inches
- IP69K sensor
- Detection Length: 3 to 30m / 10 to 98'
- Detection Width: 2 to 10m / 6.5 to 33'



#4530

- Programmable: Detection area, blind zones (ignores stationary objects), trigger activation, and buzzer
- 3 year warranty

*Radar brackets available by special order  
(BKT-017, and Low Profile BKT-018)*

## 77GHz PROGRAMMABLE RADAR OBJECT DETECTION

- 9-32 VDC; 0.8 Amps, 6 (power consumption 8-Watts)
- Detection length: up to 60m (minimum programmable distance 0-3m)
- Detection width: 2 to 16m
- Rugged design for harsh environmental conditions
- Includes configurable radar sensor, audible and visual display with USB socket and mounting bracket, 9m extension cable, and mini USB cable
- Frequency-modulated continuous wave (FMCW) radar technology
- Quick reaction time; Effectively detects stationary, moving and multiple objects
- 1 activation input and 1 trigger output
- Programmable: detection area, blind zone (ignores fixed objects), buzzer (70 to 90 dB(A) at 1m)
- Horizontal detection angle: 140°



#BS-8100



- 5 stage adjustable audible and visual distance warning display
- Sensor resistant to water, moisture, dust, vibration, heat, cold, mud and glare
- CE marked, UKCA marked, FCC approved, IC approved
- E-Marked: UNECE R10 compliant
- IP69K sensor
- 3 year warranty

## HIGH DEFINITION BACKEYE 360° RECORDABLE CAMERA MONITOR SYSTEM

- 12 - 24 VDC
- 15 monitor view options including portrait, landscape and split-screen options
- Left, right, reverse & speed signal triggers
- Configurable on-screen parking markers
- Customizable overlay guidelines per camera view
- Allows individual recording of each of the 4 cameras to an external Brigade Mobile Digital Recorder (MDR)

**Must add a Mobile Digital Recorder and four ACH-305 splitter cables (sold separately) to make unit Recordable**

### BN360-300 - High Definition Backeye 360 System

- Size: ECU 7" x 4.4" x 1", Cameras 2.4" x 2" x 1.7"
- IP69K Cameras
- 5 Year Warranty

### VBV-770HM - 7" High Definition LCD Monitor

- ADH and CVBS compatible
- Anti-glare screen
- High-definition, high contrast, wide view angle
- On-screen distance markers
- 4 camera inputs
- 4 Auto-triggers
- Mirror/Normal switching from menu
- 3 Year Warranty

**What is AHD?** An Analogue High Definition (AHD) camera monitor system is an analogue system that supports High Definition video resolutions. Check compatibility with other systems and bandwidth/memory capacity if connecting to a mobile digital recorder. AHD systems will use more bandwidth for transmission and will take up more memory for the same time period.



#SE-770HR-300

Requires  
Professional  
Installation Support

#### Kit Contains:

- 1 x HD 360 ECU & 4 BN360-1000C Cameras
- 1 x 7" VBV-770HM AHD Monitor
- 1 x BN360-H320 20m/66' Camera Cable
- 2 x BN360-H315 15m/49' Camera Cable
- 1 x BN360-H310 10M/33' Camera Cable

Part #	Description
5405	* Calibration Kit (required for all Backeye 360 installations)

\* A Calibration kit is required for installation of the NEW HD and the Standard Backeye 360 Camera Systems. This is what stitches all the images together for the total Birdseye view. **This installation kit can be used for multiple installs.**

## SELECT HD 7" MONITOR WITH AHD CAMERA

Single AHD Camera Monitor System for Rigid Vehicles

- 7.0" AHD and CVBS compatible monitor with automatic signal detection
- Features high-definition, high-contrast, wide viewing angle digital LCD with LED backlight
- Illuminated touch keypad
- 12-24 VDC
- Vibration: 4G/Shock: 51G; Camera Vibration: 8.5G
- Video Inputs: 3 x 4 pin VBV connector

- Monitor Trigger Inputs: 3
- 7.7" x 4.6" x 1.0"; 66-ft. Cable
- Camera Night Vision via 4 x High Power Infrared LEDs
- High-definition picture quality
- Approvals: CE, FCC, IP69K (camera), RoHS
- 3 Year Warranty

Brigade



#VBV-770H-7001

## AI-PEDESTRIAN DETECTION CAMERAS

Connect AI camera directly to a HD monitor and/or buzzer (sold separately)

AI cameras are a new generation of active blind-spot detection. Using Artificial intelligence, the cameras detect and recognize the human form (based on algorithms) within the pre-defined detection zone and reliably warn the driver visually and/or audibly before a possible collision occurs. Image processing is built-in to the camera, meaning no other hardware is required.

The system has an HD camera with processing power embedded, enabling it to identify whether there is a human within the detection range. Installation is easy with the 'plug and play' system, making it an attractive option for large fleets. The Brigade adapter cable (sold separately) provides the confidence that camera is always on.

Part #	Description
VBV-2220C-AI-D04	AI-Pedestrian Detection Forward Facing Camera
VBV-2230C-AI-D04	AI-Pedestrian Detection Rear Facing Camera
VBV-AI810	32-ft. (10m) 8-pin to 8-pin Extension Cable
VBV-AI815	49-ft. (15m) 8-pin to 8-pin Extension Cable
VBV-AI820	65-ft. (20m) 8-pin to 8-pin Extension Cable

- Typical installation for a front camera viewing angle is 52° (H), vertical 30° (V)
- Typical installation for a rear camera viewing angle is 129° (H), vertical 70° (V)
- Detection range: Front camera 62.3" Max, Rear camera 36.08' Max
- Operating Voltage: 12-24 VDC
- Visual Resolution: 1080P
- Dimensions: 3.83" x 2.96" x 2.83"
- IP69K (protected against dust, high temperatures, & high-pressure water)
- Vibration Resistance: 5.9G
- 2 Year Warranty
- 15.35" cable (adapter cables sold separately)

*Compatible with all Brigade HD Monitors (7" VBV0770HM or 10" VBV-7104HFM) and MDR Recorders Sold Separately*



## THE BACKEYE® 360 AI RANGE

HIGH DEFINITION® 360 CAMERA SYSTEM WITH ARTIFICIAL INTELLIGENCE

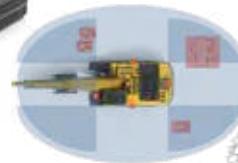
- 1080p high definition 360° image
- IP69K cameras
- 12-24 VDC
- Size (WxHxD) ECU: 140 x 122 x 40mm
- Size (WxHxD) Camera: 140 x 63 x 54mm
- 15 different view modes
- 2 pre-defined configuration groups
- Configure and customize set up via PC calibration software
- Left, right, reverse & speed signal triggers
- Configurable on-screen parking markers
- Customizable overlay guidelines per camera view
- 2 x video outputs
- Ultra-wide viewing angle cameras (HxV) 190° x 130°
- 1/4" CMOS sensor
- Video output: AHD 1.0 and NTSC
- Mechanical vibration: 2.8G
- IP30 ECU, CE marked, FCC approved, IC approved

#VBV-360-1000-AI

*Monitor\* and Calibration Mat Sold Separately*



Brigade



- E-Marked: UNECE R10 compliant
- 3 year warranty

### Contents:

- 1 x Electronic Control Unit (ECU)
- 4 x VBV-2230-C-AI cameras
- Harnesses: 1 x interface, 1 x power,
- 1 x video input, and 1 x video output
- Extension Cables: 1 x 5m, 2 x 10m, and 1 x 20m



*All HD Monitors will work with the AI 360 System*

Part #	Description
VBV-360-CALMAT-STD	Calibration Mat (required)

Part #	Description
VBV-770HM	7" AHD Select Monitor, 3-Inputs, Audio

## ECCO AI PEDESTRIAN 7" COLOR CAMERA SYSTEMS

The K7000B-AI camera system is an advanced AI dash cam designed to enhance fleet safety and driver safety while reversing. It uses cutting-edge artificial intelligence to detect and alert drivers to people and vehicles behind them, reducing the risk of costly accidents. The system comes in two models: the K7000B-AI, which detects people only, and the K7000B-AIV, which detects both people and vehicles.

- CMOS 18 LED infrared camera
- Integrated molded shroud
- Two camera expandable
- Monitor with touch & backlight buttons
- 720p camera resolution
- 12-24 VDC



- Day/Night Light Sensor
- Mirror Image
- Monitor: CE, UK CA, FCC
- Camera IP69K
- R10 and RoHS compliant
- 1 Year Warranty



Part #	Description
K7000B-AI	AI Pedestrian Camera System
K7000B-AIV	AI Pedestrian & Vehicle Camera System



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## 7" GEMINEYE™ WIRED LCD COLOR CAMERA SYSTEMS



**#K7000B**



- 7.0" LCD color camera system
- 12-24 VDC
- **Expandable up to 2 cameras** (C2013B only)
- 10G Vibration (camera)
- 120° lens angle
- 6.85" W x 4.49" H x 0.94" D; 65' Cable length
- CE, FCC (monitor only), IP69K (camera only), RoHS
- 1 Year warranty

**#C2013B** Replacement Camera

**#ECTC5-4**

- 16' four pin camera cable

**#ECTC10-4**

- 32' four pin camera cable

**#ECTC20-4**

- 65' four pin camera cable



**#EC7003-K**



- 7.0" LCD *high resolution touchscreen* color monitor
- **Expandable up to 3 cameras** (EC2014-C)
- 12-24 VDC
- 120° lens angle
- 7.3" W x 5.1" H x 1.1" D; 65' Cable length
- FCC, CE, R10, RoHS, RCM, IP69K (camera only)
- 1 Year warranty

**#EC2014-C** Replacement Camera

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## 7" HD WIRED CAMERA SYSTEM

**#D14677**



- Complete HD Wired System
- **Expandable up to 4 cameras** (D14679)
- Display Modes: Normal, horizontal, vertical and mirror
- Voltage: 12-24 VDC
- Vibration Resistance: ISO 16750-3 - max 17,3G
- Vision Angle: 130°
- Night/Day Sensor
- IP Protection: IP69K
- 7.99" W x 4.41" H x 1.10" D
- Cable Length: 65' (20 m)
- 2 Year Warranty

**#D14679** Replacement Camera ..... **\$291.90**

**#14.910**

- 15.5' four pin camera cable

**#D13621**

- 32.5' four pin camera cable

## 7" ECONOMY WIRED CAMERA SYSTEM

**#D16033**



2 Year Warranty

- High resolution camera, 7" high definition display screen, sunshade, and 65' (20m) cable
- **3 Camera Max** (D16043)
- Voltage: 12-24 VDC
- Vibration Resistance: 4G
- Vision Angle: 100°
- Night/Day Sensor
- Built in audio speaker
- Robust and waterproof (IP68)
- IP Protection: IP69K (camera only)
- 2 Year Warranty

**#CBL20M**

- 65' four pin camera cable

## WIRELESS CAMERA KITS

### 7" QUAD VIEW LCD COLOR WIRELESS CAMERA SYSTEM

- 7" LCD high resolution color monitor and a basic color infrared wireless camera
- Monitor with touch & backlight buttons
- Day/night light sensor camera
- 75° horizontal & 170° diagonal camera angle
- 12-24 VDC
- **Expandable up to 4 cameras** (C2013B-WC)
- Monitor Dimensions: 8.4" x 6.0" x 2.8"
- FCC, CE, R10, RoHS, IP69K (camera only)
- 1 Year warranty

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



**#K7000B-WK**



**#C2013B-WC**  
Replacement Camera

### GEMINEYE™ 7" QUAD VIEW LCD COLOR WIRELESS CAMERA SYSTEM

- 7" LCD High resolution touch screen, remote control color monitor
- Multiple viewing options: single, split & quad view screen
- **Expandable up to 4 cameras** (EC2027-WC2)
- 12-24 VDC
- Dimensions: 8.4" x 6.0" x 2.8"
- 120° camera lens angle
- Day/Night light sensor
- **Mini SD Card-enabled recording** (SD card sold separately)
- FCC, CE, R10, RCM, RoHS, IP69K (camera only)
- 1 Year warranty

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



**#EC7008-WK2**



**#EC2027-WC2**  
Replacement Camera

### REPLACEMENT ANTENNA



**#ECANTE-5**



- Used with EC1000-WMK, EC5605-WM, EC2014-WC, EC2027-WC & EC7008WM
- 1 Year Warranty

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

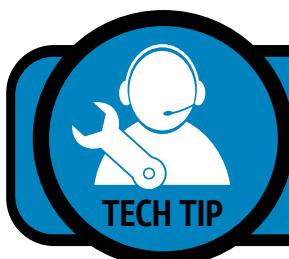
### 7" COLOR QUAD VIEW WIRELESS CAMERA SYSTEM

- 1 Multi-Display Wireless Quad View Screen (D16055)
- 1 Wireless Camera (D16045)
- Automatic pairing
- Display modes: normal, horizontal, vertical, mirror
- 12 - 24 VDC
- **Expandable up to 4 cameras**
- 4 Infrared LEDs
- 130° Vision Angle
- Real time recording on micro SD card 125GB (not included)
- Time Delay 2000 ms
- IP69K (Camera)
- Vibration Resistance: ISO 16750-3 - max 5.9G
- Night / Day Sensor
- Reverse distance grid
- 2 Year Warranty

**#D16045**  
Replacement Camera



**#D16044**



**When installing your camera system, you will find a wire called the "Trigger Wire." The trigger wire should be attached to the reverse light wire on your equipment. This allows your camera to turn on and off when your equipment is in reverse. If you are not triggering the camera with the reverse wire, the trigger wire will need to be attached to a switch or to the battery wire.**

## MULTI-FREQUENCY WHITE NOISE ALARMS



- Warning signal is more directional and perceived to dissipate quicker than a pure tone alarm
- Emits sounds at multiple frequencies attenuated above 4000Hz
- Sealed in epoxy for protection against dust, moisture, and vibration
- Smart Alarm models adjust output to 5db above surrounding noise

### #EA5050

- 87 db; 12-24 VDC
- SAE Type D, CE, R10, AMECA
- 2 Year warranty

### #EA7070

- 107 db; 12-24 VDC
- SAE Type B, CE, R10, AMECA, IP66
- ECCOLIFE Warranty



EA5050  
EA5200

Dimensions:  
4" W x 2.8" H x 1.6" D

### #EA5200

- 97 db; 12-24 VDC
- SAE Type C, CE, R10, AMECA
- 2 Year warranty

### #EA9070

- 87-107 db; 12-24 VDC
- SAE Type F, CE, R10, IP66
- ECCOLIFE Warranty



EA7070  
EA9070

Dimensions:  
7.2" W x 3.2" H x 4" D



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## BRIGADE WHITE SOUND® BACK-UP ALARMS

- Tough and durable
- Epoxy-sealed against mud, water and vibration
- Can be steam-cleaned and pressure hosed
- Spark-free electronics
- Limited lifetime warranty
- SAE J994, CE, IP68

### #A0897

- 87 db; 12-24 VDC
- Model BBS-87
- 4.1" W x 2.5" H x 1.3" D



A0897, A0935

## Brigade



A0898, A0899

### #A0935

- 97 db; 12-24 VDC
- Model BBS-97
- 4.1" W x 2.5" H x 1.5" D

A0935 Crossover:  
CAT3892297

### #A0898

- 102 db; 12-24 VDC
- Model BBS-102
- 6.8" W x 3.1" H x 3.7" D

### #A0899

- 107 db; 12-24 VDC
- Model BBS-107
- 6.8" W x 3.1" H x 3.7" D

## Brigade BRIGADE BBS-92HV WHITE SOUND® BACK-UP ALARM



#A1402

- 92 db; 36-80 VDC
- Use: Electric Forklifts
- SAE J994, CE, R10, IP68
- Dimensions: 5" W x 3" H x 2.5" D
- Manufacturers Lifetime Warranty

## BRIGADE TONAL ALARMS ALSO AVAILABLE



## SMART ALARMS

Maintains a minimum 5 db above surrounding noise level

### #SMA931



- Automatic volume adjustment 82 thru 102 db; 12-48 VDC
- Forklift Alarm
- Base & Rear Mounting on 3.8" to 4.5" Centers
- SAE Type F, CE, R10, UL, IP64
- 2 Year Warranty

### #SMA917



- Automatic volume adjustment 87 thru 112 db; 12-24 VDC
- Medium to high noise applications
- Base & rear mounting on 4" - 5" centers
- SAE Type F, CE, R10
- 2 Year Warranty

Crossover: Preco 380, 390, 1040, Fiat-Allis 0073131968

### #SMA901



- Automatic volume adjustment 82 thru 107 db; 12-24 VDC
- Medium to high noise applications
- Base & rear mounting on 3.75" - 4.5" centers
- CE, R10, UL, IP64
- 2 Year Warranty



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## DUAL FUNCTION ALARMS

### ECCO SURFACE MOUNT DUAL FUNCTION ALARM

- Dual function; 102db Back-up and 102db dual tone
- 12-24 VDC operation.
- For use when 2 different warning signals are needed
- Base & Rear Mounting on 3" to 3.25" Centers
- SAE J994 Type F, CE, R10, IP64
- 2 Year Warranty

#DF532

Crossover: Upright #63778,  
Snorkel #300659, JLG #7040227,  
Terex #041223-968



**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## SWITCHABLE ALARMS

### ECCO UNIVERSAL MOUNT SWITCHABLE ALARM

- Decibels: 97, 107, or 112
- Voltage: 12 – 36 VDC
- Rugged, heavy-duty alarm
- Withstands harsh environments
- 7" W x 3.2" H x 4" D
- Stud connection
- Mounting on 6" centers
- Approvals: CE, e, SAE Type A, B & C
- 2 year warranty

 ECCO®

#112



Crossover: Cat 3T1815,  
Deere AT78534, Trojan 2110152

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## SINGLE DECIBEL ALARMS

### ECCO HEAVY DUTY BACK-UP ALARMS

#380



- 112 db; 12-24 VDC
- Stud connection
- Medium/High Noise Applications
- 5" W x 3.1" H x 3.8" D
- Universal mount allows vertical or horizontal mounting
- Approvals: CE, R10, IP66, SAE Type A
- 2 year warranty

#110



Crossover:  
VME 11079550-7

- 112 db; 12-24 VDC
- Stud connection
- Rugged, heavy-duty alarm
- Withstands harsh environments
- 7" W x 3.2" H x 4" D
- Mounting on 6" centers
- Approvals: CE, R10, SAE Type A
- 2 year warranty

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### GROMMET MOUNT BACK-UP ALARM

- Flush-mount alarm mounts directly into the vehicle body, directing warning to rear of vehicle
- 97 db; 12-24 VDC
- PL-3 plug connection
- Fiberglass reinforced nylon housing
- Utilizes standard 4.5" rear lighting grommet (sold separately)
- 4.2" Dia. x 1.7" D
- Approvals: SAE Type F, CE, UKCA, IP55, R10

 ECCO®

#4030



2 year  
warranty

**4030K kits**  
no longer available...  
Create your own kit  
utilizing #431-491  
3-wire PL-3 10.5-Inch  
straight harness and  
#GR4000P 4-Inch round  
PVC open back grommet

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### BUZZER ECCO AUDIBLE ALARM

- Multi-voltage operation
- A low sound alarm for many uses
- Audible signal device
- Polarity protected, fully encapsulated power supply
- 6 month warranty

Part #	Decibels	Voltage
201120	80 db; Fast Pulse	12-48 VDC
208120	86 db; Continuous Pulse	12-36 VDC

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).





## SERVICEMATE™ SINGLE DECIBEL BACK-UP ALARMS LEAD-FREE - RoHS COMPLIANT

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### #SM510

- 97 db; 12-24 VDC
- Use in low noise areas
- Base & Rear Mounting on 3" to 3.25" Centers
- SAE Type C, CE, R10, UL, AMECA, IP65
- 2 Year Warranty

Crossover: Preco 230 & 240, Linkbelt D3R0112, Cat 3946435, Genie/Terex 686655, Pollak 41-720, 41-721, & 41-820, JLG 1001101808



### #SM585

- 97 db; 12-48 VDC
- Forklift Alarm
- Base & Rear Mounting on 3" to 3.25" Centers
- SAE J994 Type C, CE, R10, UL, AMECA
- 2 Year Warranty

Crossover: Preco ELT-248, JLG 140031



### #SM530

- 102 db; 12-24 VDC
- Use in medium noise areas
- Base & Rear Mounting on 3" to 3.25" Centers
- SAE Type F, CE, R10, UL, IP65, AMECA
- 2 Year Warranty

Crossover: Preco 250, Deere KV18230, Tonemaster 380/381, Cat 1612539, JLG 1001147060, Bobcat 6651512, Terex 11034646000, Komatsu 3A10611731



### #SM570

- 107 db; 12-24 VDC
- Use in medium noise areas
- Base & Rear Mounting on 3" to 3.25" Centers
- SAE J994 Type B, CE, R10, UL
- 2 Year Warranty

Crossover: Preco 45A, Pollak 41-722, JLG 1001099810, Genie 123198, Terex 0400-964/A, Cat 3009546, Deere AT373664, Case 325258A1



### #SM830

- 107 db; 12-36 VDC
- Base & rear mounting on 4" to 5" centers
- Use in medium to high noise areas
- SAE Type B, CE, R10, AMECA
- 2 Year Warranty

Crossover: Preco 45A, 45AA, 360, 370, Tonemaster 586, JCB 549/00021, Komatsu 206-06-A2360, 20Y-06-A4510



### #SM630

- 107 db; 12-36 VDC
- Base & rear mounting on 3-3/4" - 4-1/2" centers
- Use in medium to high noise areas
- SAE Type B, CE, R10, UL, AMECA
- 2 Year Warranty

Crossover: Preco 360



### #SM850

- 112 db; 12-36 VDC
- Base & rear mounting on 4" to 5" centers
- Medium to heavy duty applications
- SAE Type A, CE, R10, UL, IP65, AMECA
- 2 Year Warranty

Crossover: Preco 380, 390, 1040, Fiat-Allis 0073131968, Komatsu 207-06-A1240, 426-06-A1240



### #SM875

- 112 db; 12-36 VDC
- Base & rear mounting on 5 1/2" - 6 1/4" centers
- Medium to Heavy duty applications
- SAE Type A, CE, R10, UL, IP65, AMECA
- 2 Year Warranty

Crossover: Preco BAL-124, Terex 9258865, Komatsu 08164-00000, 1308900H1, Volvo 11079550-7



See the Transport Section for a TRUCK  
BACKUP ALARM for 7-Way RV Blade  
See Transport Section



## AMEREX FIRE EXTINGUISHERS

All models are metal head units built to withstand the abuses of any work environment. All models also feature a metal mounting bracket.

**\*NOTE: LARGER MODELS ARE ALSO AVAILABLE**

Part #	Normal Capacity	U/L Rating	Price
B410T	2.5 lbs	10B:C	Call
B417T	2.5 lbs.	1A-10B:C	Call
B500T	5 lbs.	2A-10B:C	Call



Fire Extinguishers not available at all locations. A Hazardous Materials charge may be added if shipped FedEx or truck. Please call for details and prices.



## TYPES OF FIRES

**CLASS A** - ORDINARY COMBUSTIBLES: wood, paper, rubber, fabrics and many plastics

**CLASS B** - FLAMMABLE LIQUIDS & GASES: gasoline, oils, paint, lacquer and tar

**CLASS C** - FIRES INVOLVING LIVE ELECTRICAL EQUIPMENT

**CLASS D** - COMBUSTIBLE METALS OR COMBUSTIBLE METAL ALLOYS

**CLASS K** - FIRES IN COOKING APPLIANCES THAT INVOLVE COMBUSTIBLE COOKING MEDIA: vegetable or animal oils and fat

## SAFETY WORK SHIRTS

### ENHANCED VISIBILITY RIPSTOP WORK SHIRTS

- Exclusive Ripstop Fabric is lightweight and breathable but 75% stronger than common workwear fabrics and 35% more breathable than 100% polyester
- Wrinkle resistant finish
- UPF 40 rating for extra protection from harmful UVA and UVB rays**
- Touchtex Technology provides breathable comfort, lasting colors and stain resistance
- Fabric: 4.25 oz. Ripstop; Blend: 65% Polyester/35% Cotton
- Two button-thru chest pockets, left with pencil stall
- Industrial laundry friendly**
- Does not meet ANSI/ISEA 107 requirements
- Sizes: Regular S-4XL; Long L-XXL



Some sizes special order only. Lead Time May Apply.

Part #	Description	Length	Color
SY14YE-RG_-	Long Sleeve	Regular	Fluorescent Yellow/Green
SY14YE-LN_-	Long Sleeve	Long	Fluorescent Yellow/Green
SY24YE-SS_-	Short Sleeve	Regular	Fluorescent Yellow/Green
SY24YE-SSL_-	Short Sleeve	Long	Fluorescent Yellow/Green

### ENHANCED VISIBILITY WORK SHIRTS

- UPF 40 rating for extra protection from harmful UVA and UVB rays**
- Two button-thru chest pockets, left with pencil stall
- Fabric: 5 oz. Poplin; Blend: 100% Polyester
- Soil release finish
- Industrial laundry friendly**
- Does not meet ANSI/ISEA 107 requirements
- Sizes: Regular S-3XL; Long L-XXL

Some sizes special order only.  
Lead Time May Apply.



Part #	Description	Length	Color
SS14YE-RG_-	Long Sleeve	Regular	Fluorescent Yellow/Green
SS14YE-LN_-	Long Sleeve	Long	Fluorescent Yellow/Green
SS24YE-SS_-	Short Sleeve	Regular	Fluorescent Yellow/Green
SS24YE-SSL_-	Short Sleeve	Long	Fluorescent Yellow/Green

### HI-VISIBILITY TYPE R, CLASS 3 T-SHIRTS

- Meets Type R Class 3 requirements of ANSI/ISEA 107
- Extra breathable mesh fabric that is wind and water-resistant
- Single chest pocket
- 2" silver segmented reflective striping front and back for 360° visibility
- UPF 40 rating for extra protection from harmful UVA and UVB rays**
- Fabric: 4 oz. Birdseye Mesh Knit; Blend: 100% Polyester
- Sizes: Regular S-6XL; Long (short sleeve only) L-6XL

Some sizes special order only.  
Lead Time May Apply.



Part #	Description	Length	Color
SVY3AB-RG_-	Long Sleeve	Regular	Fluorescent Yellow/Green
SVY4AB-SS_-	Short Sleeve	Regular	Fluorescent Yellow/Green
SVY4AB-SSL_-	Short Sleeve	Long	Fluorescent Yellow/Green

## SAFETY VESTS

### COR-BRITE™ FR

#### 5-POINT BREAKAWAY VEST

- Self-Extinguishing (NFPA 701)
- Type R, Class 2 Safety Vest
- Five Point Breakaway Design
- Lime Polyester Mesh
- Hook & Loop Closure
- 2-Inch Reflective Tape
- Pockets: One Outside Chest with Hook & Loop Closure, One Inside Lower
- Sizes: S - 5XL  
(some sizes special order only)



Specify size when ordering

Part #	Description
VB221PFR_-	Lime FR Breakaway Vest

#### 5-POINT BREAKAWAY SAFETY VEST

- Type R, Class II, ANSI/ISEA 107-2015
- Lime polyester mesh fabric (Special order for orange)
- Hook & loop closure on vest and pockets
- One outside lower and one inside lower pocket
- 2-inch silver reflective tape
- Sizes M-7XL  
(Some sizes special order only)



Specify size when ordering

Part #	Description
VB231P_-	Lime Breakaway Vest

#### SURVEYOR'S VEST

- Type R, Class 2, ANSI/ISEA 107-2015
- Solid polyester front fabric with mesh back, zipper closure
- Lime vest with 2-inch reflective tape
- Multiple pockets and mic tabs on each shoulder
- Sizes: S - 5XL (some sizes special order only)

#VS281\_-

Description
Lime Surveyor's Vest



Specify size when ordering

## HIGH-VISIBILITY OUTERWEAR

### HI-VISIBILITY TYPE R, CLASS 2 PERFORMANCE WORK HOODIE WITH SAFECINCH™

- Meets Type R Class 2 requirements of ANSI/ISEA 107
- 360° visibility with front and back 2" silver reflective striping
- Wind and water resistant with Durable Water Repellent (DWR) finish
- Rib knit cuffs and waistband
- **Patented SafeCinch® hidden drawstring and neck cinch**
- Front pouch pockets, sleeve utility pocket, and cell phone security pocket
- Fabric: 9.3 oz. Fleece; Blend: 100% Polyester
- Closure: Covered ZeroScratch™ front zipper with zipper garage
- **Industrial laundry friendly**
- Unisex Sizes: Regular XS - 4XL; Long L - XL



Lead Time  
May Apply

Part #	Description	Length
HJ10YB-RG_-	Hi-Viz Yellow/Black	Regular
HJ10YB-LN_-	Hi-Viz Yellow/Black	Long

### COR-BRITE™ CLASS 3 HOODED SWEATSHIRTS

- Type R, Class 3, ANSI/ISEA 107-2015
- Hi-Vis Lime 300-gram polyester fleece fabric
- Zipper closure, vertical chest zip pocket & mic tabs
- Birdseye polyester lined hood
- 2-Inch stitched-on reflective tape
- Black knit wrists & pouch pockets
- Sizes: M-5XL (some sizes special order only)

#SJ401\_-

Specify size when ordering



### HI-VISIBILITY TYPE R, CLASS 3 JACKET

- Meets Type R Class 3 requirements of ANSI/ISEA 107
- Two chest pocket with button-thru pocket flaps
- 2" silver reflective striping front and back for 360° visibility
- UPF 40 rating for extra protection from harmful UVA and UVB rays
- Fabric: 7.5 oz. Twill; Blend: 100% Polyester; Closure: Solid brass zipper
- **Industrial laundry friendly**
- **Unlined but compatible with Zip-in / Zip-out Liner (LN30BK) for additional warmth (liner not included)**
- Sizes: Regular 38-54; Long 42-50



Some sizes  
special order only.  
Lead Time May Apply.

Part #	Description	Length
JY32AB-RG_-	Fluorescent Yellow/Green	Regular
JY32AB-LN_-	Fluorescent Yellow/Green	Long
LN30BK-RG_-	Removable Black Quilted Liner	Regular
LN30BK-LN_-	Removable Black Quilted Liner	Long

## HIGH-VISIBILITY OUTERWEAR

### REPTYLE™ PARKA JACKET

- Waterproof & wind-resistant
- Quilted lining & concealed/detachable hood
- Double zippers and storm flap
- Lime PU-coated 300-Denier polyester shell
- Black front panel & underarms
- 2-Inch segmented reflective tape
- Adjustable waist & dual mic tabs
- Type R, Class 3, ANSI/ISEA 107-2015
- 2 front hook & loop waist pockets, 2 side chest pockets with zipper, 1 inside hook & loop chest pocket, and 1 inside back pocket
- Size M-5XL (some sizes special order only)

#PK401\_



Specify size when ordering

### HIGH VISIBILITY RAIN BIBS

- 100% polyester body with reflective tape
- Certified ANSI/ISEA 107-2015 Class E
- Waterproof

WHILE SUPPLIES LAST!

Part #	Description
HV281B-S/M	Small/Medium Hi-Vis Rain Bibs
HV281B-L/XL	Large/XL Hi-Vis Rain Bibs
HV281B-2XL/3XL	2XL/3XL Hi-Vis Rain Bibs
HV281B-4XL/5XL	4XL/5XL Hi-Vis Rain Bibs



### RAIN PANTS

- Class 1
- Waterproof
- Elastic waistband
- 150-Denier PU coated polyester
- Side pockets, Inside zipper leg
- Meets ANSI/ISEA 107:2004

WHILE SUPPLIES LAST!



#HV281Y-2XL

### RAIN JACKET

- Two front jet pockets with flap, easy access phone pocket, and D-ring access
- 100% polyester body with reflective tape
- Certified ANSI/ISEA 107-2015 Class 2 and Class 3
- Waterproof

Part #	Description
HV268D-S/M	Small/Medium Rain Jacket
HV268D-L/XL	Large/XL Rain Jacket
HV268D-4XL/5XL	4XL/5XL Rain Jacket



### VIZ™ SERIES DIRECTIONAL LEDS

#### *Illuminates High-Visibility Clothing & Materials*



HINVII™ Technology that significantly enhances jobsite safety by actively illuminating high visibility gear such as vests, cones, and signage, improving worker visibility in high traffic areas, low light conditions and fog.

*See Directional Light Section For More Information*



### HAND PROTECTION

#### DISPOSABLE, NITRI-COR Z-TREAD™ GLOVES

- Premium Black Nitrile Powder Free Disposable Gloves
- Food Service/Industrial Grade with Beaded Cuff
- Industrial Grade 6-mil Palm Thickness
- 245 mm; 10-Inch Length
- Zig-Zag Embossed Finish (both sides)
- Box of 100

Part #	Stocking Sizes
4094BL	Large

WHILE SUPPLIES LAST!



#### NITRI-COR® AGILITY DISPOSABLE GLOVES

- Black Nitrile Disposable Gloves
- Applications: Food Service, Painting and Cleaning
- Industrial Grade 6-mil Palm Thickness
- Powder Free, Textured; Beaded Cuff
- Safe for Food Contact
- Box of 100

NEW

Part #	Stocking Sizes
4089L	Large
4089XL	XL



#### DISPOSABLE, NITRI-COR® SILVER GLOVES

- Blue Nitrile Powder Free Disposable Gloves
- Food Service/Industrial Grade with Beaded Cuff
- Industrial Grade 5-mil Palm thickness
- 245 mm; 9.6-Inch Length
- Textured finish; Latex free

Part #	Stocking Sizes (Box of 100)
4095M	Medium
4095L	Large
4095XL	XL



## HAND PROTECTION

### BROWN JERSEY BLENDED GLOVE

- These jersey gloves are constructed of a polyester/cotton blend and feature a clute pattern, straight thumb and knit wrist
- Applications: Cleaning, Landscaping, Basic Carpentry, and Warehouse Work



Part#	Weight	Stocking Size
1430L	Heavy	Large
1400P	Standard	Large
1400PXL	Standard	XL

### GENERAL PURPOSE POLYESTER SHELL, PU GLOVE

- Polyurethane (PU) coatings are resistant to tears, snags, and abrasions and offer unmatched tactile sensitivity
- Glove features a 13-gauge black polyester shell with a black PU palm coating
- Applications: Appliance Manufacturing, Sensitive Assembly Operations, and Wiring



Part#	Stocking Sizes
6898CBL	Large
6898CBXL	XL

**WARNING:** This product can expose you to chemicals including Chromium which is known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, visit [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### STANDARD GRAIN COWHIDE DRIVER GLOVE

- This unlined leather driver is constructed of standard grain cowhide and features a shirred elastic back and a keystone thumb.
- Applications: Agriculture, Construction, General Maintenance & Manufacturing, Masonry Work, Material Handling, Metal Fabrication, Railroad Work, Steel Work, Warehousing, and Welding/Foundry



Part#	Stocking Sizes
8212M	Medium
8212L	Large
8212XL	XL

**WARNING:** This product can expose you to chemicals including Chromium which is known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, visit [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### COR-TOUCH FOAM™ 13-GAUGE GLOVES

- Blue polyester/spandex shell with black micro-foam nitrile palm coating
- Touchscreen friendly
- ANSI ESD compliant and food contact safe
- Applications: Automotive Assembly & Repair, General Assembly, Electronics Assembly, Food Processing, Janitorial, Metal Fabrication, Painting, and Plumbing/HVAC

WHILE SUPPLIES LAST!



Part#	Stocking Sizes
6893L	Large
6893XL	XL

### COLD SNAP™ CUT-RESISTANT THERMAL GLOVES

- This thermal glove is constructed of 7-gauge hi-vis green terry shell with brushed acrylic/polyester
- Black foam latex palm coating which provides good flexibility and added gripping and tensile strength
- ANSI Cut Level A2
- Applications: Cold Weather, Construction, Warehouse and All Purpose

Part#	Stocking Sizes
3999S	Small
3999M	Medium
3999L	Large
3999XL	XL



### CALIBER™ SALT & PEPPER 13-GAUGE CUT RESISTANT GLOVES

- Features a salt & pepper 13-gauge HPPE shell and gray polyurethane (PU) palm coating
- Gloves made with HPPE are lightweight, comfortable and abrasion & cut-resistant
- Certification/Rating: CE/EN 388: 4342, CE Cut Level 3; ANSI/ISEA 105-2016 Cut Level A2: 729 grams

Part#	Stocking Sizes
3716GL	Large
3716GXL	XL



### MACHINIST® HPPE/GLASS, A4 CUT RESISTANT GLOVES

- High-performance polyethylene (HPPE) MACHINIST® gloves with added glass fibers offer an increased cut resistance over gloves made with HPPE only
- Touchscreen fingertips
- Applications: Machining operations using cutting oils
- Certification/Rating: ANSI/ISEA 105: Cut Level A4: 1510 grams, Abrasion Level 3, Puncture Level 4; Made with FDA Approved Materials for Food Contact Applications

Part#	Stocking Sizes
3734L	Large
3734XL	XL



## HAND PROTECTION

### HI-VIS MULTI-TASK™ MECHANIC'S GLOVES

- Equipped with touchscreen fingertips for accessibility in the field
- This glove offers exceptional fit, gripping power, and durability for use in a variety of applications
- Features a synthetic leather-reinforced palm, flexible spandex back with padded knuckle, and adjustable hook & loop wrist closure
- Hi-Vis Orange Trim

Part#	Stocking Sizes
99201	Large
99204	XL



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## SAFETY GLASSES

### NEMESIS™ SAFETY GLASSES

- Patented Flex-Dry nose-piece design with integrated ridges to divert sweat
- Hard-coated lenses for scratch resistance and longer life

- Polycarbonate lens material provides 99.9% UVA/UVB/UBC protection
- Meets ANSI Z87.1+ standards for impact

**BEST SELLER!**

Part #	Description
3020706	Camo Frame/Clear Lens; Anti-Fog Coating
3020707	Camo Frame/Smoke Lens; Anti-Fog Coating
3020708	Camo Frame/Amber Lens; Anti-Fog Coating
3011375	Camo Frame/bronze Lens
3020709	Inferno Red Frame/Smoke Lenses
3000354	Black Frame / Clear Lenses
3000355	Black Frame / Clear Lenses; Anti-Fog Coating
3000356	Black Frame / Smoke Mirror Lenses
3000357	Black Frame / Indoor/Outdoor
3000358	Black Frame /Blue Mirror Lenses
3000359	Black Frame / Amber Lenses



### XV100 SERIES SAFETY GLASSES

- Anti-scratch hard coat lenses for maximum durability



Part #	Description	Price
XV100	Clear Frosted Frame/Clear Lens Safety Glasses	CALL

Part #	Description	Price
XV101	Gray Frosted Frame/Gray Lens Safety Glasses	CALL

### ELEMENT™ SAFETY GLASSES

Part #	Description
3004880	Clear Frame/ Uncoated Clear Lens
3004882	Black Frame/ Uncoated Smoke Lens



- Lightweight design
- Sleek, popular styling
- Universal nose-bridge for comfort and fit
- Economical price
- Meets ANSI Z87.1+ Standards
- 99.9% UV protection
- Base curve: 9.5

### NEMESIS™-RX READER

- "Cheaters" style with integral diopters for vision assistance
- Complete wrap around protection
- Precise placement of inserts allows for distortion-free forward vision and increased safety when wearing
- Enhanced nose piece design with integrated ridges to channel away sweat
- Meets CSA



Part #	Description
3013305	Black Frame/+1.0 Clear Lens RX Readers
3013306	Black Frame/+1.5 Clear Lens RX Readers
3013307	Black Frame/+2.0 Clear Lens RX Readers
3013308	Black Frame/+2.5 Clear Lens RX Readers
3013309	Black Frame/+3.0 Clear Lens RX Readers
3020285	Black Frame/+1.5 RX Sunglasses
3020286	Black Frame/+2.0 RX Sunglasses
3020287	Black Frame/+2.5 RX Sunglasses

## FACE PROTECTION

### BIONIC FACE SHIELD

Full Shield design provides built-in chin protection and extended top-of-head coverage\*

- Clear polycarbonate/anti-fog/hardcoat
- Lightweight, breathable, comfortable
- Meets ANSI Z87.1-2010
- Excellent optics



Part #	Description
S8510	Face Shield with Suspension
S8555	Replacement Face Shield Visor, Anti-Fog

\*Face shield is secondary protection and must be worn with safety eye wear or goggles

## HEARING PROTECTION

### MAX SINGLE-USE EARPLUGS

- Contoured bell-shape is easier to insert, resists tendency to back-out of ear canal
- Polyurethane foam enhances comfort, especially for long-term wear
- Smooth, soil resistant closed-cell foam skin prevents dirt build-up
- Superior Noise-blocking performance in a single-use earplug
- Corded or Uncorded

## HEAD PROTECTION



### DUO SAFETY™ CAP-STYLE HARD HAT

- High Density Polyethylene Construction
- 4-Point Ratchet Suspension
- Cushioned Brow Pad
- Vertical Height Adjustment
- Meets ANSI/ISEA Z89.1-2014, Class E & G

Part#	Description	Color
H24R1	4-Point Ratchet Suspension	White
H24R2	4-Point Ratchet Suspension	Yellow

**WARNING:** This product can expose you to chemicals including DEHP or Di (2-ethylhexyl) phthalate, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



Part #	Description	Price
MAX-1	Box of 200 Uncorded earplugs	CALL
MAX-30	Box of 100 Corded earplugs	CALL

## VEHICLE SPILL KIT

#STSPILLKIT101



This kit absorbs 11.5 gallons of fluids, including oils, coolants, solvents, water, non-aggressive and aggressive fluids.

- Packaged in a 15" x 19" x 6" clear vinyl zippered bag
- 20 oil only pads, 15" x 19"
- 10 universal pads, 15" x 19"
- 3 basic absorbent socks, 3" x 4'
- 1 (1/2 lb. jar) 38-Putty
- 1 set (9) of wooden plugs
- 2 disposal bags
- 1 pair of nitrile gloves, Size 10
- 1 pair of safety goggles



## FIRST AID KIT

- Designed for the needs of transportation vehicles
- Meets and exceeds ANSI standard Z308.1-2009.
- 8.25" x 5.88" x 3.38" poly white box is dust and moisture resistant.



#FAK-10

- 1 - 16/unit - Certi-Strip, Plastic, 1" x 3"
- 1 - 3/unit - Triangular Bandage with Pins
- 1 - 4/unit - Certi-Gauze Pad, 3" x 3"
- 1 - 2/unit - Certi-Tape, 1/2" x 2 1/2 yards
- 1 - 6/unit - Certi-Burn Cream, 1 gm
- 1 - 10/unit - Certi-Sporyn-Antibiotic Cream, 1 gm
- 1 - 10/unit - Antiseptic BZK Towelettes
- 1 - Absorbent Compress, 32 sq. inch
- 1 - 6/unit - Alcohol Gel, 1 gm
- 2 - Pairs Gloves; Nitrile
- 1 - First Aid Facts Sheet.



## ON-OFF

## ROCKER SWITCHES

## Round Rocker Switches

- 12 VDC
- Switches mount in a .79" diameter hole
- SPST

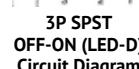
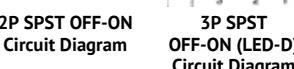


Part #	Description
090166	On/Off round rocker switch with on/off etched on switch, Two Blade Terminals
090167	On/Off round rocker switch with Red indicator light, Three Blade Terminals
090168	On/Off round rocker switch with Amber indicator light; Three Blade Terminals
090169	On/Off round rocker switch with Green indicator light, Three Blade Terminals

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## RA Series Round Rocker Switches

- Rating: 20A @ 14 VDC
- Black nylon housing
- Terminals: Silver plated, copper alloy
- Cut Out: 20.2 mm
- Depth: 0.7 - 3.0 mm max



Part #	Description
RA1-1A-DC-2-RL	3P SPST On/Off rocker switch w/Red illuminated indicator light, Three Blade Terminals
RA1-1-A-DC-2-AL	3P SPST On/Off rocker switch w/Amber illuminated indicator light, Three Blade Terminals
RA1-1A-DC-2-GL	3P SPST On/Off rocker switch w/Green illuminated indicator light, Three Blade Terminals

 **WARNING:** This product can expose you to chemicals including Di-n-Hexyl Phthalate and/or Chromium, which is known to the state of California to cause cancer or birth defects and Reproductive Harm - For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Rocker Switch Panels

Part #	Description
SP3860-1	Single switch ON/OFF
SP3860-2H	2 Switches ON/OFF; HI/LOW

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## On/Off Black Rocker Switch

- Mounting is 1 1/2" x 7/8"

Part #	Description
SR103	12 VDC, 20 Amp



## On/Off Rocker Switch with red pilot light

- Mounting is 1 1/2" x 7/8"

Part #	Description
SR104	12 VDC, 16 Amp



## On/Off Black Rocker Switch with amber pilot light

- Mounting is 1 1/2" x 7/8"

Part #	Description
SR105	12 VDC, 16 Amp



 **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## PUSH PULL SWITCHES

2 position switch: On - Off Push/Pull  
2 screw terminal; 75 Amp @ 6-28V



 **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Part #	Description
35-306P	Push Pull Switch w/chrome knob
35-330P	Push Pull Switch w/black knob
35-331P	Push Pull Switch w/red knob

## PP Series Push Pull Switches

- Rating: 75A @ 6-28 VDC
- Circuitry: 2P SPST
- Position: OFF-ON
- Terminals: SC 8-32UNC, Copper alloy
- Cut Out: 12.2 mm
- Depth: 10 mm max



Part #	Description
PP-1A-DC-7-B	Push Pull Switch w/black knob
PP-1A-DC-7-M	Push Pull Switch w/chrome knob

 **WARNING:** This product can expose you to chemicals including Di-n-Hexyl Phthalate and/or Chromium, which is known to the state of California to cause cancer or birth defects and Reproductive Harm - For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## ON-OFF

### TOGGLE SWITCHES

Part #	34-571P
<b>Description</b>	
2 Position: On - Off	



- 2 screw terminal
- S.P.S.T.
- 20 Amp @ 12V
- For use with warning or off-road lights

Part #	34-574P
<b>Description</b>	
2 Position: On - Off	



- 4 screw terminal
- D.P.S.T.
- 20 Amp @ 12V

Part #	34-212EP
<b>Description</b>	
2 Position: On - Off	



- Bat handle
- 2 screw terminal
- S.P.S.T.
- 50 Amps @ 12V

Part #	1NT1-2
<b>Description</b>	
2 Position: On - Off	



- 2 screw terminals
- S.P.S.T.
- Up to 20A (resistive)

\* Heavy Duty Micro-Switch, Completely sealed for protection against dirt & moisture

Part #	34-571QP
<b>Description</b>	
2 Position: On - Off	



- 2 quick connect blade terminals
- S.P.S.T.
- 20 Amps @ 12V

Bulk Part #	34-571Q
<b>Bulk Description</b>	
2 Position: On - Off	



- Bulk/100-Pcs. (price ea.)
- 2 quick connect blade terminals
- S.P.S.T.
- 20 Amps @ 12V

## ON-ON

### TOGGLE SWITCHES

Part #	1NT1-3
<b>Description</b>	
2 Position: On - On	



- 3 screw terminal
- S.P.S.T.
- Up to 20A (resistive)

\* Heavy Duty Micro-Switch, Completely sealed for protection against dirt & moisture

Part #	34-572P
<b>Description</b>	
2 Position: On - On	



- 3 screw terminal
- S.P.D.T.
- 20 Amp @ 12V

Part #	34-576P
<b>Description</b>	
2 Position: On - On	



- 6 screw terminal
- D.P.D.T.
- 20 Amp @ 12V

## ON-OFF-ON

### TOGGLE SWITCHES

Part #	1NT1-1
<b>Description</b>	
3 Position: On - Off - On	



- 3 screw terminal
- S.P.D.T.
- Up to 20A (resistive)

\* Heavy Duty Micro-Switch, Completely sealed for protection against dirt & moisture

Part #	34-573P
<b>Description</b>	
3 Position: On - Off - On	



- 3 screw terminals
- S.P.D.T.
- 20 Amp @ 12V

Part #	34-577P
<b>Description</b>	
3 Position: On - Off - On	



- 6 screw terminal
- D.P.D.T.
- 20 Amp @ 12V

# MOMENTARY ON-OFF / PUSH BUTTON ON-OFF

## PUSH BUTTON SWITCH

Part #	33-402P
<b>Description</b>	
2 Position: Off - On Push-Pull	<ul style="list-style-type: none"> <li>2 screw terminals</li> <li>15 Amp @ 12V</li> </ul>



- Marine Controller Light Switch

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	33-200P
<b>Description</b>	
2 Position: Momentary On / Off	<ul style="list-style-type: none"> <li>2 screw terminals</li> <li>15 Amp @ 12V</li> </ul>



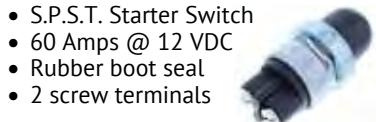
- Chrome plate bezel nut, brass washer and back-up nut

Part #	24-360EP
<b>Description</b>	
2 Position: Normally Off (Push-Button)	



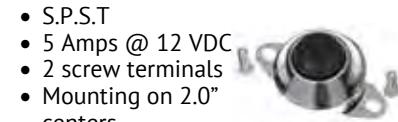
- 60 Amps @ 12V; 40 Amps @ 24V
- Weather and dust proof

Part #	SB-1B-DC-3-B
<b>Description</b>	
2 Position: Normally Off (Push to On)	



**WARNING:** This product can expose you to chemicals including Di-n-Hexyl Phthalate and/or Chromium, which is known to the state of California to cause cancer or birth defects and Reproductive Harm - For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Part #	PG1-1B-DC
<b>Description</b>	
2 Position: Normally Off (Push to On)	



Part #	24-406P
<b>Description</b>	
2 Position: Normally Open (Push-Button)	

**NEW**



Crossover:  
Cole Hersee 90030-BX

- S.P.S.T. • 35 Amps @ 12V • 2 screw terminals
- Silver contact • Diecast body • Heavy Duty

Part #	24-412P
<b>Description</b>	
2 Position: Normally Open (Push-Button)	

**NEW**



Crossover:  
Cole Hersee  
9216-03-BX, 9216-03-BP

- S.P.S.T. • 35 Amps @ 12V • Continuous duty
- 2 screw terminals • Silver contact • Gold Dip Housing
- Heavy Duty • Ingress protection O-Ring in stem

## TOGGLE SWITCH

Part #	34-570P
<b>Description</b>	
2 Position: Momentary On / Off	<ul style="list-style-type: none"> <li>2 screw terminals</li> <li>S.P.S.T.</li> <li>20 Amp @ 12V</li> </ul>

- 2 screw terminals
- S.P.S.T.
- 20 Amp @ 12V



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## ROCKER SWITCH

Part #	SR303
<b>Description</b>	
2 Position: Off / Momentary On	

- Two 1/4" Blade Terminals
- 10 Amps @ 12V
- 13/16" Dia. Mounting Hole



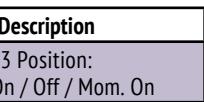
**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

# MOMENTARY ON-OFF-ON

## TOGGLE SWITCHES

Part #	34-575P
<b>Description</b>	
3 Position: Mom. On / Off / Mom. On	

- 3 screw terminals
- S.P.D.T.
- 20 Amp @ 12V



Part #	34-580P
<b>Description</b>	
3 Position: Mom. On / Off / Mom. On	

- 6 screw terminals
- D.P.D.T.
- 20 Amp @ 12V



# MOMENTARY ON-OFF-ON

## TOGGLE SWITCHES



Part #	Description
1NT1-7*	3 Position: Mom. On / Off / Mom. On

- 3 screw terminals
- S.P.D.T.
- Up to 20A (resistive)



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



Part #	Description
2NT1-7*	3 Position: Mom. On / Off / Mom. On

- 6 screw terminals
- D.P.D.T.
- Up to 20A (resistive)



\* Heavy Duty Micro-Switch, Completely sealed for protection against dirt & moisture

## SWITCH ACCESSORIES

### LED PILOT LIGHTS

Part #	Description
090213	Red
090214	Amber
090215	Green



- Chrome housing and nylon base
- LED rated at 15mA at 12 VDC
- 20 AWG lead wires
- 7/16" diameter mounting hole

### RUBBER BOOT

Part #	Description
25-370P	Toggle Boot



- Rubber boot to help seal toggle switches against weather.

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### SWITCH SAFETY COVER

Part #	Description
090212	Rugged, Spring Loaded Design Switch Cover

- Provides protection against accidental actuation
- Mounting hole accepts all standard toggles 15/32"



Part #	Description
SC-R	Red ABS Spring Based Switch Cover

- Steel face plate with black glossy finish
- Mounting hole: 0.481" dia. (12.2 mm)
- Mounting hole accepts all standard toggles 15/32"



**WARNING:** This product can expose you to chemicals including Di-n-Hexyl Phthalate and/or Chromium, which is known to the state of California to cause cancer or birth defects and Reproductive Harm - For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## IGNITION

*Continued*

### 2 POSITION

Part #	Price
31-604P	2 Position: Lever Switch

- Hexed back & knurled face nuts
- Bushing diameter 3/4"; length 3.4"
- MHP: 0.75" diameter



Part #	Description
31-603P	2 Position: Off - ign/acc with Momentary start
31-600-103	2 Replacement Keys

- Universal type die-cast housing
- MHP: 0.75" diameter



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



Crossover:  
Pollak 31-303P,  
Cole Hersee 9577-95,  
Standard US-64

Part #	Description
HDI3-2B-1-B	2 Position: On / Off

- 15A @ 6 VDC; 10A @ 12 VDC
- Zinc die-cast housing
- 2 standard brass keys
- Bronze screw terminals
- Mounting stem 3/4" - 20 Thread
- Fits panel up to 3/4" long



**WARNING:** This product can expose you to chemicals including Di-n-Hexyl Phthalate and/or Chromium, which is known to the state of California to cause cancer or birth defects and Reproductive Harm - For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# SWITCHES MASTER KEY SET

*"Every Contractor Should Have One"*

## CONSTRUCTION MASTER KEY SET #SMKS



Heavy Equipment Key Set

**FITS OVER 500 MACHINES**

### KEYS INCLUDED IN SMKS KEY RING



API \* JLG  
GRADALL



API \* ALLIS CHALMERS  
CATERPILLAR \* CLARK  
CROWN \* DAEWOO \* GEHL  
\* GRADALL \* HYSTER \* ILCO  
KOMATSU \* MEC  
MUSTANG \* YALE



API \* CASE \*  
CATERPILLAR \* JLG  
JOHN DEERE  
MASSEY FERGUSON  
MITSUBISHI



FORD \* HITACHI  
JOHN DEERE  
NEW HOLLAND



API \* CASE  
FORD \* MAHINDRA  
MASSEY FERGUSON  
NEW HOLLAND  
SKYTRAK



API \* BOBCAT \* CASE  
CATERPILLAR \* JCB  
LULL \* SKYTRAK  
TEREX \* VOLVO



API \* CROWN  
TOYOTA



CATERPILLAR  
CLARK \* VOLVO



KOMATSU  
(May not fit all  
Komatsu switches)



API \* HYSTER  
TOYOTA



API \* EPW \* MEC  
UPRIGHT



API \* ECONOMY  
ILCO \* SNORKEL



API \* GENIE



API \* CLARK  
SKYJACK \* SNORKEL  
UPRIGHT \* UWS



API \* AMERIQUIP  
CALAVAR \* CONDOR  
CATERPILLAR \* GENIE \* GROVE \*  
HUNTERLIFT \* HYBRID \* JLG  
\* ORANGE \* SKYJACK \* SIMON  
SNORKEL \* TEREX  
UPRIGHT \* VERMEER



API \* CATERPILLAR  
FORD \* LULL  
NEW HOLLAND  
UPRIGHT \* YALE



API \* SKYJACK  
UWS



API \* JOHN DEERE  
MULTIQUIP



API \* BOBCAT  
CASE \* JOHN DEERE



API \* CATERPILLAR  
KOMATSU



API \* BOBCAT \* CASE  
INGERSOLL RAND  
TEREX \* VOLVO



JOHN DEERE  
YANMAR



API  
CUSTOM EQUIPMENT  
HYBRID \* SHINDLER  
WESTINGHOUSE



API \* CATERPILLAR



API \* ECHLIN  
GROVE \* LULL  
NAPA \* RAYMOND  
TEREX \* VERMEER

### REPLACEMENT KEYS



Part #	Description
31-332P	Pollak replacement key (pair)
31-335	Pollak replacement key (pair)



Part #	Description
31-166-001	Pollak replacement key (pair)
31-144-101	Pollak replacement key (single)



Part #	Description
14603	Heavy Equipment replacement key (single)

Ford, New Holland, Volvo,  
Terex, and JCB



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

# IGNITION

Continued on next page

## 3 POSITION

Part #	31-600P
<b>Description</b>	
3 position: acc - off - on with no spring return	



- MHP: 0.75" diameter
- Key Style: Various

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	33-107P
<b>Description</b>	
3 position: off - ign/ acc - start	

- MHP: 13/16" diameter
- Special long bushing allows mounting panels up to 1-1/4" thick

Part #	Description
HDI3-3B-1-B	3 position: On - Off - On



- 15A @ 6 VDC; 10A @ 12 VDC
- Zinc die-cast housing
- 2 standard brass keys
- Fits panels up to 3/4" long
- Mounting Stem 3/4" - 20 thread

Part #	Description
31-601P	3 position: acc - off - on with no spring return
31-600-103	2 Replacement Keys

- MHP: 0.75" diameter
- Key Style: Keyed alike

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## 4 POSITION

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



Crossover: Mustang 090-32025

Part #	Description
31-106P	4 position: acc - off - ign/ acc - ign/start
31-600-103	2 Replacement Keys

- MHP: Type 2

Part #	Description
31-196P	4 position: acc - off - ign/acc - ign/start
31-144-101	Single Replacement Keys

- MHP: Type 4

Part #	Description
31-229P	4 position: acc - off - ign/acc - ign/start
19-564	2 Replacement Keys (replaces 19564)

- MHP: Type 5

Part #	Description
31-242P	4 position: acc - off - ign/acc - ign/start
31-144-101	Single Replacement Key

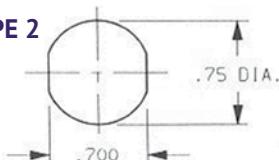
- Anti-restart: must return to off position before restarting
- MHP: Type 4

Part #	Description
31-322-01P	4 position: acc - off - ign/acc - ign/start
31-335	2 Replacement Keys

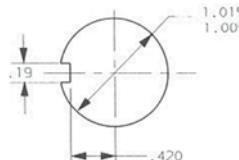
- Anti-restart: must return to off position before restarting
- MHP: Type 5

### MOUNTING HOLE PATTERNS (MHP):

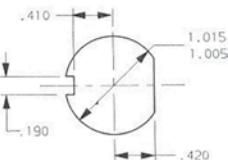
TYPE 2



TYPE 4



TYPE 5



## IGNITION

Continued from previous page



Part #	Description
31-608P	4 position: acc - off - ign/acc - ign/start

Part #	Description
31-610P	4 position: acc - off - ign/acc - ign/start
31-144-101	Single Replacement Key

- Lever switch with anti-restart, must return to off position before restarting
- MHP: Type 2

Part #	Description
HDI1-4A-3-A1	4 position: acc - off - ign/acc - ign/start

**WARNING:** This product can expose you to chemicals including Di-n-Hexyl Phthalate and/or Chromium, which is known to the state of California to cause cancer or birth defects and Reproductive Harm - For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

- Keyed switch with anti-restart, must return to Off position before restarting
- MHP: Type 4



- Lever operated switch with anti-restart, must return to off position before restarting
- 30 Amps @ 14 VDC
- 10-32 Copper Terminal Studs
- Mounting Stem 3/4" - 20 thread
- Fits panels up to 7/16" long

Crossover: Pollak 31-608P, Standard US-1348

## MASTER DISCONNECT

Continued on next page

Part #	Description
51-935P	36V S.P.S.T. (Intermittent Duty) Master Disconnect Switch

Crossover: Cole Hersee 75908-BX



- 300A rating
- Intermittent current rating of 2000A at 30 seconds On, 3 minutes Off
- Two stud terminal • Lever actuator
- Plated steel housing; Copper contact
- Sealed to an IP66 / IP67 rating

Part #	Description
51-928P	36V S.P.S.T. (Intermittent Duty) Master Disconnect Switch

- 175A rating
- Intermittent current rating of 1000A at 15 seconds On, 5 minutes Off
- Two stud terminal
- Brass housing • Copper contact
- Chrome lever actuator

Crossover: Cole Hersee M-284-BX



Part #	Description
51-933P	36V S.P.S.T. (Off - On) Master Disconnect Switch

- 175A continuous; 1000A in-rush
- Two stud terminal
- Plated steel housing
- Silver contact
- Diecast lever actuator

Crossover: Cole Hersee 2484-A-BX, 2484-A-BP



Part #	Description
51-904EP	6-36V D.P.S.T. (Off - On) Master Disconnect Switch

- For battery and alternator/generator field circuit
- Continuous: Large stud 180A, small stud 20A
- Intermittent: Large stud 1000A (20 sec. "On"/5 min. "Off")
- Four stud terminal



Part #	Description
51-916EP	6-36V S.P.S.T. (Off - On) Keyed
31-332P	2 Replacement Keys

- Keyed Master Disconnect Switch
- 180A continuous capacity; 1000A in-rush
- Two stud terminals for battery circuit only; does not disconnect alternator or generator field circuit



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

# MASTER DISCONNECT

Continued from previous page

Part #	Description
HDB3-2A-3-A	D.P.S.T. Off - On Battery Disconnect

- VDC - Larger studs 180A; Small studs 20A
- 1000A/15 sec. intermittent rating
- For battery and alternator or generator field circuit; designed to break alternator generator circuit prior to battery circuit disconnect
- 3/8"-16 Stud / 5M-0.8 Stud, Copper, Silver plated terminals

Crossover: Pollak 51-904P



Part #	Description
HDB3-1A-3-C1	S.P.S.T. Off - On Battery Disconnect

- 180A continuous @ 24 VDC; 1000A/15 sec. intermittent rating
- Doesn't disconnect alternator or generator field circuit; On vehicles equipped with alternators, engine must be shut off to avoid potential damage to alternator diodes
- 3/8"-16 Stud copper terminal, silver plated
- Plastic encapsulated key

Crossover: Pollak 51-916P



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Part #	Description
51-902EP	6-36V S.P.S.T. (Off - On) Master Disconnect Switch

- 180A continuous; 1000A in-rush
- Two stud terminal for battery circuit only; does not disconnect alternator or generator field circuit



Part #	Description
51-927EP	6-36V S.P.S.T. (Off - On) Lever Operated Master Disconnect Switch

- 180A continuous @ 12V; 1800A intermittent @ 12V (4 sec. "On"/20 min. "Off")
- Silver plated 1/2"-20UNF, copper studs
- Use #00-ga wire size or larger for 1800A applications



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## PRESSURE SWITCHES

### VEETHREE PRESSURE SWITCH

Veethree pressure switches are small, robust and reliable units used for pressure monitoring in gases and liquids by switching when specific limit is exceeded.



780928



780942

Part #	Description	Range	Circuitry	Hobbs Cross #
780928	2 Terminal	4 PSI	N.O.	76575-4
780930	2 Terminal	15 PSI	N.O.	76052-15
780934	2 Terminal	4 PSI	N.C.	76577-4
780936	2 Terminal	15 PSI	N.C.	--
780940	3 Terminal	4 PSI	N.O. / N.C.	76579-4
780942	3 Terminal	15 PSI	N.O. / N.C.	76072-15

• 1/8" NPT • 2 Year Warranty

### HOBBS 5000 SERIES PRESSURE SWITCHES

Part #	Description	Factory Set	Circuitry	Crossover #
76575-4	Single Circuit, 2 Screw Terminals	4 PSI	N.O.	Cat #4D-4785 Veethree 780928
76579-4	Dual Circuit (One Circuit Adjustable), 3 Screw Terminals	4 PSI	N.O. / N.C.	Veethree 780940
78291-6	Single Circuit, 2 Direct Action Blade Contacts	6 PSI	N.C.	78291-B00000060-01

- The pressure switch is designed to operate with air, motor oils, transmission oils, jet fuels and other similar hydrocarbon media

- 1/8-27 NPT male thread
- #8-32 screws



#76575-4



#78291-6

WHILE  
SUPPLIES  
LAST!

The Hobbs #76575 4# N/O pressure switch is typically used to activate hour meters from the engine oil pressure.

# BACK-UP ALARM SWITCHES

Part #	Description
41-706P	Medium to Light Duty

- One direction operation.
- 12-24 VDC



A back-up alarm switch, also known as a limit switch, is a safety switch on most truck mounted equipment and in industrial applications

Part #	Description
SW-15	Heavy Duty

- 360° (operated from any direction) actuator arm, romex cord connector and mounting bracket included.
- 12-80 VDC
- 1 Year Warranty



Part #	Description
SWM-43	Heavy Duty, Prewired, Weather Tight

- 360° (operated from any direction) actuator arm, cord connector installed with a 7" lead wire mounted and sealed against moisture and dirt. Mounting bracket included.
- 12-80 VDC



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

# SPECIALTY SWITCHES

## BATTERY DISCONNECT SWITCHES

Part #	Description
FR1044	Heavy-duty Battery Disconnect Switch. Rated at 250 amps continuous; 2500 amps for 5 second intervals (12-24)

- Completely sealed waterproof design
- Includes mounting, lockout bracket & hardware (lock not included)
- Meets specifications for industrial vehicles
- 3 Year Warranty



Part #	Description
FR1047	500 amp heavy-duty battery disconnect switch. 500 amps continuous, 2500 amps for up to 5 seconds

- 500 amps continuous rating due to its unique internal silver tin oxide pads and silver-plated terminals
- Can withstand extreme vibration, making it ideal for heavy-duty truck applications
- Lever handle with retrofit diamond bracket (lock not included)
- Sealed and corrosion-resistant; IP65
- 3 Year Warranty



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



**TERMINALS ON BATTERY DISCONNECT SWITCHES ARE LIVE PARTS OF THE ELECTRICAL SYSTEM AND SHOULD BE TREATED JUST LIKE BATTERY TERMINALS. TERMINAL COVERS ARE RECOMMENDED, BUT NOT INCLUDED. ALWAYS VERIFY WITH YOUR VEHICLE MANUFACTURER FOR CORRECT INSTALLATION AND SWITCH LOCATION TO AVOID ANY DAMAGE TO ELECTRICAL SYSTEM AND/OR VEHICLE WARRANTY.**

# SOLENOIDS

*Continued on next page*

## INTERMITTENT DUTY SOLENOIDS

Single Pole Single Throw (S.P.S.T.), Normally Off, One Circuit Off/On

Part #	Description
52-331	12 VDC, 600 Amp Make, 200 Amp Break

- Ignition terminal
- Grounded base
- 2 Min. Duty Cycle
- Short case



Part #	Description
52-332	24 VDC, 600 Amp Make, 200 Amp Break

- Ignition terminal
- Grounded Base
- 2 Min. Duty Cycle
- Short case



replaces part #24008



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

# SOLENOIDS

Continued on next page

## CONTINUOUS DUTY SOLENOIDS

Double Pole Single Throw (D.P.S.T.), Normally Open (N.O) / Normally Closed (N.C)

Part #	Description
52-330	12 VDC, 100 Amps



- Dual Circuits: Normally Open (N.O) / Normally Closed (N.C)
- Insulated
- 6 terminals

Part #	Description
52-340	24 VDC, 100 Amps



- Dual Circuits: Normally Open (N.O) / Normally Closed (N.C)
- Insulated
- 6 terminals

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## CONTINUOUS DUTY SOLENOIDS

Single Pole Single Throw (S.P.S.T.), Normally Open (N.O.) Contacts – Off/On

Part #	Description
52-312-01	12 VDC, 100 Amps



- Insulated
- Grounded with 3 terminals
- Hardware included

Crossovers: Delco 1114218, 223; Prestolite 15-132, 133, 236, 311, SAS-4201, 4202, 4213, 5203 except grounded with three terminals. Replaces Prestolite No's 15-139, SAS 4208

Part #	Description
52-315	12 VDC, 100 Amps



- 4 terminals
- PVC Coated, Dust & Moisture Resistant
- Hardware included

Crossovers: Delco 1114218, 223; Prestolite 15-132, 133, 236, 311, SAS-4201, 4202, 4213, 5203 Except coated with protective grey plastic coating

Part #	Description
52-307-01	12 VDC, 100 Amps



- Insulated
- 4 terminals
- UL Rated
- Hardware included

Crossovers: Delco 1114218, 223; Prestolite 15-132, 133, 236, 311, SAS-4201, 4202, 4213, 5203

Part #	Description
52-337	12 VDC, 100 Amps



- Continuous Duty with Diode
- 4 terminals

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Description
HDS2-G3-12	12 VDC, 85 Amps, 150 Amps In-Rush



- Bare metal body
- Continuous Duty
- Grounded with 3 terminals

Crossovers: 52-312-01

Part #	Description
HDS2-I4-12	12 VDC, 85 Amps, 150 Amps In-Rush



- Bare metal body
- Continuous Duty
- Insulated with 4 terminals

Crossovers: 52-307-01

Part #	Description
52-324-01	24 VDC, 100 Amps



- Insulated
- 4 terminals
- Hardware included

Crossovers:  
Prestolite 15-141, 196, 310,  
SAS-4401, 4408, 4410, 5401.

Part #	Description
52-339	24 VDC, 200 Amps



- 4 terminals

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

# SPECIALITY CONTACTORS

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## POLLAK REVERSING POLARITY DC CONTACTOR

*A simple solution for reversing polarity of permanent magnet DC motors.*



**Pollak**

COILS						CONTACT			
Part #	Model	Max Sustained Duty Cycle <sup>1</sup> *	Max On Time <sup>1</sup>	Pull In Voltage <sup>2</sup>	Hold Voltage <sup>2</sup>	Coil Resist Ohms	Resistive Load Carry/Interrupt Capability (Amps) <sup>3</sup>	Inductive Load Carry/Interrupt Capability (Amps) <sup>3</sup>	Peak Inductive Inrush Capability (Amps) <sup>4</sup>
214-1231-A61-06P	12V High Performance	16%	2 min.	8.0	2.5	5.6 Ohms	75A for 2 min. (140 for 30 sec.) 250 Amps	75A for 2 min. (140 for 30 sec.) 250 Amps	500 Amps

- Coil Terminals:

- (2) Low-Current Terminals (1/4" spade)
- (4) 5/16-24 Studs - High-Current Terminals
- (2) for motor and (2) for battery



- Relay is dust and splash resistant
- Standard Operating Temp. Range: -40° to 50° C

- Perfect for any application that requires reversing motion: truckwinch, tarp systems, boatlifts, RV slide-outs and RV leveling systems
- Electrical Cycle Life: 5,000
- Contact Material: Copper with silver alloy plating

\*Nominal coil voltage applied starting from 25°C DC Contactor temperature. Duty cycle = On time/(On Time + Off Time). <sup>1</sup>Voltages listed are minimum required at 25°C coil temperature. Minimum voltage requirements will increase with coil temperature. <sup>3</sup>Amps at Max Duty Cycle. <sup>4</sup>Risetime ≥ 3 milliseconds to 80% of peak inrush with linear decay to run (carry) current in ≤ .1 seconds. <sup>1</sup>Pollak has the ability to test for customer's specific conditions.

### \* ADDITIONAL MAX ON TIMES AND DUTY CYCLE COMBINATIONS

Max On Time	Duty Cycle Max						
60 Seconds	35%	90 Seconds	25%	120 Seconds	16%	150 Seconds	5%

## POLLAK BEAR DC CONTACTOR

*The Pollak® Bear DC Contactor provides a solution to high-current switching applications.*

**Pollak**

COILS						CONTACT			
Part #	Model	Max Sustained Duty Cycle <sup>1</sup>	Max On Time	Pull In Voltage <sup>2</sup>	Hold Voltage <sup>2</sup>	Coil Resist Ohms	Resistive Load Carry/Interrupt Capability (Amps) <sup>3</sup>	Inductive Load Carry/Interrupt Capability (Amps) <sup>3</sup>	Peak Inductive Inrush Capability (Amps) <sup>4</sup>
114-1211-020-02P	12V Cont.	100%	Cont.	7.5	3.0	7.7	225/225	225/225	600 Amps
114-2411-020-02P	24V Cont.	100%	Cont.	14.0	6.0	32.0	225/225	225/225	600 Amps

- Coil Terminals: (2) 10-32 Studs
- Contact Studs: 5/16-24 Studs
- Mounting Bracket: Flat
- Standard Operating Temp. Range: -40° to 85°C



- Transportation, large machinery, and portable vehicles that carry multi-battery systems are excellent candidates to take advantage of the Bear's strengths.
- Electrical Cycle Life: 25k Copper; 50k Silver
- Contact Material: Copper or Silver

\*Nominal coil voltage applied starting from 25°C DC Contactor temperature. Duty cycle = On time/(On Time + Off Time). <sup>1</sup>Voltages listed are minimum 3.3 required at 25°C coil temperature. Minimum voltage requirements will increase with coil temperature. <sup>3</sup>Amps at Max Duty Cycle (300 amps for 60 seconds or 400 amps for 30 seconds). <sup>4</sup>Risetime ≥ 3 milliseconds to 80% of peak inrush with linear decay to run (carry) current in ≤ .1 seconds.

## POLLAK DEFENDER DC CONTACTOR

*The Defender DC Contactor can handle environments with extreme temperatures, moisture & high vibration.*

COILS						CONTACT			
Part #	Model	Max Sustained Duty Cycle <sup>1</sup>	Max On Time	Pull In Voltage <sup>2</sup>	Hold Voltage <sup>2</sup>	Coil Resist Ohms	Resistive Load Carry/Interrupt Capability (Amps) <sup>3</sup>	Inductive Load Carry/Interrupt Capability (Amps) <sup>3</sup>	Peak Inductive Inrush Capability (Amps) <sup>4</sup>
404-1231-032P	12V Cont.	100%	Cont.	6.5	3.2	13.3	200/200	100/100	400 Amps
404-2431-032P	24V Cont.	100%	Cont.	12.9	6.5	49.7	100/100	100/100	400 Amps

- Coil Terminals: Deutsch 2-Pin Connector DT06-25
- Contact Studs: 5/16-24 Studs
- Mounting Bracket: Closed Holes Bracket
- O-Ring Material: O-Rings (7) - Buna N
- Standard Operating Temp.: -40° to 85°C
- Electrical Cycle Life: 20,000
- Contact Material: Silver



- Designed to carry currents as low as 350 milliamps and as high as 200 amps
- Protects sensitive components in your system with its built-in coil transient volt suppression (TVS).
- Perfect for off-road and emergency equipment thanks to its TVS and wide ranging current capability.
- From fire trucks to earth movers, the Defender is the best defense for your electrical system.

\*Nominal coil voltage applied starting from 25°C DC Contactor temperature. Duty cycle = On time/(On Time + Off Time). <sup>1</sup>Voltages listed are minimum required at 25°C coil temperature. Minimum voltage requirements will increase with coil temperature. <sup>3</sup>Amps at Max Duty Cycle. <sup>4</sup>Risetime ≥ 3 milliseconds to 80% of peak inrush with linear decay to run (carry) current in ≤ .1 seconds.

# RELAYS / FLASHERS

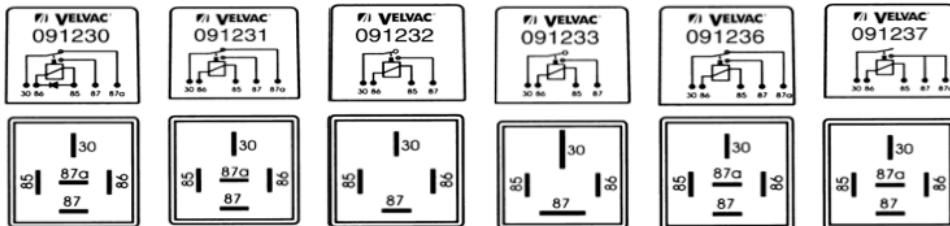
## VELVAC RELAYS

Part #	Description	Voltage	Amp Rating	Terminals	Mounting Tab
091230	Relay with Diode	12	40	5	no
Application: Diode eliminates voltage spikes which can occur when the relay is shut off; can run up to 30 amps continuously.					
091231*	Relay	12	40	5	yes
091232	Relay	12	40	4	yes
Application: Used to run up to 30 amps continuously.					
091236	Relay	24	20	5	yes
091237	Dual Relay	12	40	5	yes
Application: Controls two separate 20 amp accessories; also used as a single 40 amp relay.					
091233	Heavy Duty Relay	12	70	4	yes
Application: Ideal for controlling larger devices; can run up to 50 amps continuously.					



\*Replaces  
Velvac Part  
#091220

- Ideal for powering accessories with high voltage draws such as fog lights, power windows and fans
- Helps ensure maximum power availability to accessories and lights



## HEAVY-DUTY RELAY KIT



Part #	Description	Voltage	Amp Rating	Terminals	Mounting Tab
091235	Heavy Duty Relay Kit	12	70	4	yes

Kit includes: Heavy-duty relay, switch, switch mounting plate, 20' of 14 gauge wire and terminals

## POLLAK RELAYS



Part #	Description
77-101P	12 VDC, S.P.S.T

Part #	Description
77-102P	24 VDC, S.P.D.T

Part #	Description
77-104P	12 VDC, 40 Amp

- 4 blade terminals

Crossover: Cole Hersee RA-700112-RN-BX, RA-700112-RN-BP

- 5 blade terminals

• Amp Rating: N.O. 20A/N.C. 15A  
• Continuous duty

Crossover: Cole Hersee RC-200124-NN-BX, RC-200124-NN-BP

- Mini Relay

• Snap-in 4 blade terminals  
• Suppression: None • Form: A  
• IP40 Rating (protected against solid objects greater than 1.0 mm)  
Crossover: Cole Hersee RC-400112-NN-BX

## ELECTRO-MECHANICAL FLASHERS

- Designed and tested to perform in excess of one million cycles
- Non-polarity sensitive
- 60 – 120 FPM
- Audible signal indicates that flasher is activated
- Fits most American cars, older import cars and light trucks



Part #	Volts	Terminals	Lamps
091215	12V / 25A	2 Pin	1-10
091216	12V / 25A	3 Pin	1-10

# LINCOLN POWERLUBER GREASE GUNS & ACCESSORIES

## LINCOLN 20V LITHIUM ION POWERLUBER

- Dual Battery Unit with charger and carrying Case
- Two 20V Lithium-Ion Batteries
- 2 speed digital grease output selector
- Work light
- 3 point base
- Multifunction LCD read out shows grease output, battery charge, and alerts
- 36 in. flex hose
- Integrated hose holder
- Works with optional part # 1875A Field Charger
- Warranty: 5 Years - Gun, 2 Years - Battery & Charger

#1884



## HD AIR OPERATED GREASE GUN

- Outstanding durability and dependability
- Patented pump design that ensures uninterrupted grease flow
- Variable-speed trigger
- Ergonomic styling provides comfort and balance
- 30" high-pressure hose with coupler and attachment clip
- Includes a combination filler nipple and bleeder valve
- Superior flow performance obtained through advanced design

#1162



## GREASE GUN ADAPTER KIT

- With quick-connect locking sleeve
- Heavy-duty lube accessory kit contains quick-connect versions of seven of Lincoln's most popular lube accessories. Use with all standard grease guns and dispensing devices. Includes models: 5849, 5855, 5859, 5884, 81795, 82784, and 83278.

#58000



## IMPACT FITTING CLEANER

- Clears hardened grease from fittings and joints
- Eliminates the need to disassemble joints or replace fittings
- Forces light oil through clogged lubrication points
- Includes steel drive cylinder, hardened piston, safety shield, high-pressure hose for hard-to-access fittings, spare drive seals, Lincoln's Model 5852 coupler

#5805



## LINCOLN GREASE GUN ACCESSORIES



#5845

Heavy Duty Hydraulic Coupler



#5848

Hydraulic Coupler Swivel



#5883

Slotted Coupler



#5812 Whip Hose 12"

#5818 Whip Hose 18"

#1230 Whip Hose 30"



#5803L

Needle Nozzle



#5852

Hydraulic Coupler



#1871

20V Lithium Ion Rechargeable Battery  
for use with 1884 Powerluber

#1875A

1-Hour Field Charger

12 or 24 VDC; use with the  
1884 PowerluberWhile  
Quantities  
LastWhile  
Quantities  
Last

## LINCOLN MANUAL GREASE GUNS

**#1142**

First choice of users everywhere.



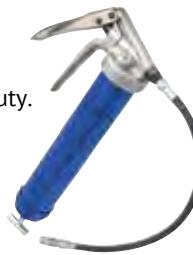
**#1148**



Heavy duty, comfort handle.

**#1134**

Extra-heavy duty. Includes 18" whip hose, coupler, and 6" rigid tube.



**#1154**

Dual-Piston Lever-Action Grease Gun

White Quantities Last



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## AIR-OPERATED PORTABLE GREASE PUMP

**LINCOLN**

Lincoln's heavy-duty portable grease pump delivers the same volume & high pressure as the more expensive pumps - but at an affordable price.

- 2-1/2", 50:1, air-operated, double-acting grease pump ensures dependable, high-output grease delivery
- Lube the hard-to-reach fittings with the heavy-duty control valve and universal swivel
- Standard follower wipes 120 lb. drum sides clean and keeps the pump primed
- Four-wheel dolly maneuvers easily around the shop

**#6917**



## AIR OPERATED GREASE PUMP

**LINCOLN**

For 25 - 50 lb. drum, steel cover has three thumb screws to clamp securely to any original 25 - 50 lb. refinery container. Carrying handle provides easy portability. Follower plate assures positive prime at lowest temperatures. Cover rustproofed and finished in Lincoln red. (Bucket not included.)



**#989**



## LINCOLN VALUE SERIES RETRACTABLE AIR HOSE REELS

**LINCOLN**

- Durable heavy-gauge, all steel construction, heavy-duty rubber air hoses
- Ease of installation with slotted mounting base for easy attachment to ceiling, walls, work benches and five position adjustable outlet roller arm
- Reliable spring-powered automatic recoil and angled hose guide for smooth, parallel hose pull-out and retraction
- Features eight position ratchet gearing to lock the reel at desired hose length
- Includes bare hose reel, 50' delivery hose and ball stop



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Model	Assembly Description	Inlet/Outlet Connection	Maximum Pressure	Maximum Air Flow
83753	50' of 3/8" air hose	1/4" NPT	300 psi	25 cfm
83754	50' of 1/2" air hose	1/2" NPT	300 psi	35 cfm



## ALEMITE® HEAVY DUTY REELS

Alemite heavy duty reels set the industry standard for reliable, rugged performance in tough work environments. Engineered for optimum performance and safety.



- Swivel and reel ball bearing reduce torque load on power spring for smooth retraction every time
- Anti-lockout design—ratchet prevents lockup when hose is fully extended
- Corrosion resistant—Sealed bearings prevent contamination and minimize maintenance
- Heavy metal arbor design withstands extreme stress
- 5 position guide arm allows hose to release at an optimum position
- Other colors available by special order

Model #	Reel Type	Reel Color	Reel Size	Inlet/Outlet Connection	Maximum Pressure
8078-D	Oil	Maroon	1/2" x 50'	Inlet/Outlet 1/2" NPTF (m)	1,500 PSI
8078-M	Air/Water	Maroon	1/2" x 50'	Inlet/Outlet 1/2" NPTF (m)	300 PSI
8078-T	Grease	Maroon	3/8" x 50'	Inlet 3/8" NPTF (m) Outlet 1/4" NPTF (m)	6,400 PSI

## ALEMITE® FLUID TANK ACCESSORIES

### STATIONARY PNEUMATIC RAM 5:1 OIL PUMP WITH BUNG ADAPTER



**#9968**

- 5:1 Pump Ratio
- Stub Drum Size
- 7 gpm Maximum Flow Rate
- Handles fluids up to SAE 140
- Meets OSHA noise requirement - 85db
- 3 Inch diameter air motor
- Easy serviceability
- Recommended for piped installations of short to moderate length
- 18.5" L x 6.5" W x 8" H
- 14.27 Lbs.

### ELECTRONIC METER, FLEX, AUTO TIP

**#3671**

- Electronic digital readout (+/-1% accuracy)
- Ergonomic trigger design for easy dispensing
- Rubber guard to protect meter from damage
- Programmable to measure in pints, gallons, or liters
- Displays current fluid delivery and registers total amount of fluid used
- 23.25" L x 6" W x 4.75" H
- 1/2" NPTF(f) connection
- Maximum Pressure: 1,000 PSI
- 2 AAA Batteries (included)



### MINIATURE REGULATOR/FILTER/GAUGE



**#7936**

- 1/4" NPTF (f) inlet/outlet
- Ideal for limited space
- This unit offers combined construction, efficiently cleaning and drying air in a compact space
- Self relieving regulator
- Maximum inlet pressure 150 PSI
- Bowl capacity 1-ounce
- 8.75" L x 3" W x 3" H

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### ALEMITE 20V BATTERY POWERED GREASE GUN

- Dual Battery Unit with 20V charger and heavy duty carrying case
- Two 20V - 2.5A Li-Ion Batteries
- LCD with real-time information: Grease Meter, Cartridge Level and Battery Capacity Gauge
- High and low flow settings
- LED Flashlight with on/off control
- Patented airflow management optimizes motor and transmission life
- Pressure: 10,000 psi (690 bar)
- Flow Rate (per minute): High 6.0 oz.; Low 4.0 oz.
- Cartridges (per charge): 23 at high speed; 24 at low speed
- 1/8" NPTF Connection
- 36" Whip Hose



**#596-B1**

### LEVER GREASE GUN WITH RIGID EXTENSION



**#500**

- 10,000 psi pressure
- Includes rigid extension, coupler and loader fitting
- 16 oz. cylinder capacity
- 1 oz./21 strokes delivery
- 3-Way loading

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## ALEMITE® CLEARANCE - ONLY WHILE SUPPLIES LAST!

### HEAVY-DUTY CLEAR GREASE GUN TUBE

- High strength polycarbonate body
- Transparent tube assembly provides positive identification of grease type
- Avoids wasting costly or specialty greases and prevents cross-contamination of grease
- Easily replaces existing steel tubes

#343632  
\$30<sup>00</sup>



### ALEMITE® INDUSTRIAL LUBRICATION FITTINGS

#### 96-PIECE ASSORTMENT VEHICLE FITTING



#2398-1  
\$132<sup>41</sup>



- Contains six types of fittings: 1610-BL, 1688-B, 1613-B, 1641-B, 1637-B1 and 1911-B1
- Contains three types of 1/8" PTF fittings that are mainly used on industrial machines and heavy equipment, and three types of 1/4"-28 taper thread fittings that are used on most cars and trucks

#### 134-PIECE ASSORTMENT ALL-PURPOSE FITTING



#2364-1  
\$319<sup>24</sup>



- Contains eight types of fittings: 1610-BL, 1688-B, 1613-B, 1641-B, 1637-B1, 1911-B1, 1611-B, 1612-B and two tools for extracting fittings and re-threading holes
- The assortment contains a selection of the most popular sized fittings

#### 48-PIECE ASSORTMENT POCKET PACK FITTING



#2365-1  
\$69<sup>84</sup>



- Contains six types of fittings: 1610-BL, 1688-B, 1613-B, 1641-B, 1637-B1 and 1911-B1
- The assortment contains a selection of the most popular sized fittings

## CHEMICALS

### GASKET MAKER/GASKET DRESSER/THREAD SEALANT



#710XX260 *While Quantities Last*

BLUE MEDIUM  
250 ML BRUSH  
TOP CAN



#710XX283

BLUE MEDIUM  
3.5 OZ TUBE  
& NOZZLE

### LOCK. RETAIN. SEAL. GASKET.

Part #	Description
710XX620	10ml Medium Blue
710XX621	50ml Medium Blue
710XX622	10ml High Red
710XX623	50ml High Red



ThreadLocker™ compounds perform at high temperatures, prevent corrosion, and resist water, oils, hydrocarbons and more.

**WARNING:** This product can expose you to chemicals including Dichloromethane, which are known to the State of California to cause cancer, and effect the heart, central nervous system, liver, cause skin and eye irritation. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### ANTI-SEIZE™

A versatile, durable compound with outstanding anticorrosive, rust resistant, water repellent and adhesive properties.

#710XX758

- 8 oz Copper Anti-Seize



### THE ONLY SILICONE YOU NEED

Valco has simplified your purchase decision with one premium-grade RTV silicone that does it all.

#710XX105

- 3 oz. All-In-One™ Silicone



## TOUGH WORK DEMANDS DURABILITY



### FloorLiner™



- Thermoformed for Absolute Interior Protection™
- Laser measured for a perfect fit
- Provides the ultimate in strength and dependability

### FloorLiner™ HP



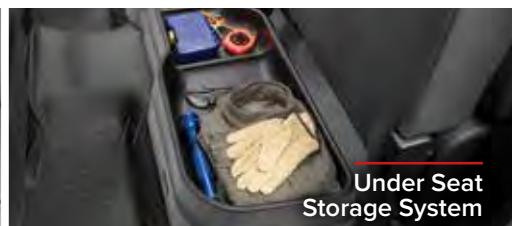
- The next generation of high performance FloorLiner™
- High walls and deep ridges contain messes
- Retention devices provide a watertight seal



ComfortMat



Child Car  
Seat Protector



Under Seat  
Storage System



TabletHolder



CupFone®  
Duo



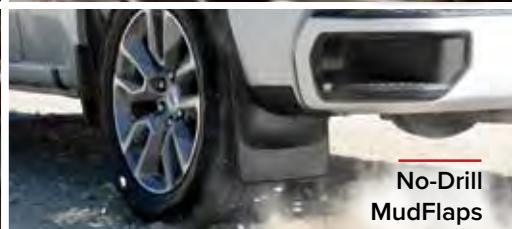
CupFone®  
Two View



Side Window  
Deflectors



Cargo/Trunk  
Liner



No-Drill  
MudFlaps

Call today for details and pricing!

## DOCUMENT HOLDERS

Keep your titles, licenses, vehicle inspection certificates, and any other important papers in our weather resistant container.

**#SM9000-14**



3-11/16" outer diameter  
x 12-1/2" length

- Weather resistant & durable
- High-density polyethylene
- High quality



**#SM9000-16**

9" x 6" x 1"  
with weather proof seal



**#SM9000-08**

(Fits document size  
8-1/2" x 11") with  
weather proof seal



REPLACEMENT CLIPS

**#LA10** ..... 10-CT. Bag

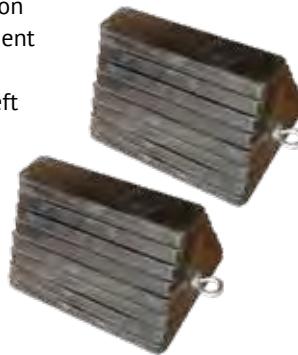
**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## HEAVY DUTY WHEEL CHOCKS



- Eye bolt chocks are manufactured with a universal design that works in either direction
- The long lasting rubber provides a firm grip on the pavement and will never rust or dent
- Pyramid design helps prevent tire slippage
- 13/16" Steel zinc plated eyebolt in one end can be attached to a chain to prevent theft or to link chocks together for convenient removal
- Dimensions: 6" H x 9.5" W x 7.75" D
- 90 Day Warranty

Part #	Description
7001-EBC	Heavy Duty Rubber Wheel Chocks (sold individually)



## LAP BELTS Date Coded

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



Federal Motor Vehicle Safety standards 209 & 302, meets SAE J386 specs, 47 mm wide (approx. 1-7/8").



### Non-Retractable Lap Belt Push Button Model

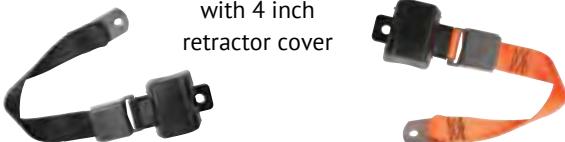
Part #	Color	Length	Replaces
T2455-013	Black	60"	120160-10
T2455-015	Black	74"	120174-10
T2455-017	Black	90"	120190-10
T2455-019	Black	100"	1201100-10
T2455-014	Orange	60"	120160-71

### Non-Retractable Lap Belt Lift Latch Model

Part #	Color	Length	Replaces
T2455-001	Black	60"	180060-10
T2455-003	Black	74"	180074-10
T2455-002	Orange	60"	180060-71
T2455-004	Orange	74"	180074-71

### Retractable Lap Belt Lift Latch Model

with 4 inch  
retractor cover



Part #	Color	Length	Replaces
T2455-011	Black	70"	HL80070-10
T2455-024	Black	72"	HL80072-10
T2455-012	Orange	70"	HL80070-71
T2455-025	Orange	72"	HL80072-71

# TRANSPORT HITCH / TRAILER



The **FIRST** Name  
in Towing Products

GTW = Gross Trailer Weight  
TW = Tongue Weight

Limited Lifetime Warranty (1-year finish, 1-year parts)



Part #	Style	Capacity	Wind	Travel	Desc.
25006	Pull-pin Swivel Jack; Weldable mounting pipe included	5,000 lbs.	Top	10"	9/16" Hole size
28323	Pull-pin Swivel Jack; Weldable mounting pipe included	2,000 lbs.	Top	15"	9/16" Hole Size
28203	A-Frame Jack; Bolt or weld-on, designed for A-frame trailers	2,000 lbs.	Top	15"	9" Bracket height
28570	Direct Weld Square Drop Leg Jack; Pull-pin included	8,000 lbs.	Top	15"	7,000 lbs. Lift Capacity
28575	Direct Weld Square Drop Leg Jack; Pull-pin included	8,000 lbs.	Side	15"	7,000 lbs. Lift Capacity



Part #	Description
25153	Posi-Lock Coupler; GTW 3,500 lbs., TW 500 lbs., 2" channel & 2" ball
25200	A-Frame Coupler; GTW 10,000 lbs., TW 1,500 lbs., 2-5/16" ball
45900	Channel Mount Hitch; 2" receiver, 2" ball 10,000 lbs., & 2-5/16" ball 14,000 lbs.
45902	Channel Mount Hitch; 2-1/2" receiver, 2" ball 10,000 lbs. & 2-5/16" ball 20,000 lbs.
48200	Ball & Pintle Hitch; 2-5/16" ball w/bolt kit; 16,000 lbs. pintle, 16,000 lbs. ball
48328	Adjustable Pintle Mount; GTW 15,000 lbs., 8-1/2" shank, 6-1/2" max drop, 7" plate
45650	Multi-Ball Mt.; 2"x2", 1-7/8" GTW 5,000; 2" GTW 7,500; & 2-5/16" GTW 10,000 lbs.



Part #	Description
45030	Class 3 Ball Mount, GTW 7,500 lbs., TW 750 lbs., 2" drop, 3/4" rise, 7-1/2" length
45050	Class 3 Ball Mount; GTW 7,500 lbs., TW 750 lbs., 4" drop, 2" rise, 8-1/4" length
45340	Forged Ball Mount; GTW 17,000 lbs., TW 2,550 lbs., 2" drop, 1" rise, 8-1/2" length
45342	Forged Ball Mount, GTW 17,000 lbs., TW 2,550 lbs., 6" drop, 5" rise, 9-1/2" length
49090	Receiver Tube; Raw steel, 2"x2" opening, 9" length, pre-drilled hitch pin holes



Part #	Description
23024	Hitch Pin Receiver Lock; 1/2" pin fits 1-1/4" tubes, 5/8" adapter fits 2" tubes
21401	1/2" Hitch Pin and Clip; fits 1-1/4" receiver tubes
21404	1/2" Grooved Hitch Pin and Clip; fits 1-1/4" receiver tubes
21505	5/8" Grooved Hitch Pin and Clip; fits 2" receiver tubes
21511	5/8" Rubber Coated Hitch Pin and Clip; fits 2" receiver tubes
21506	5/8" Heavy Duty Grooved Hitch Pin & Clip; Fits most 2-1/2" or 3" receiver tubes



Part #	Description
83750	Weld-On Tie-Down D-Ring; 6,100 lb. capacity, O.D 4-1/4" x 4-1/4" x 5/8" ring
83760	Weld-On Tie-Down D-Ring; 8,833 lb. capacity, O.D 4-1/4" x 4-1/2" x 3/4" ring
83770	Weld-On Tie-Down D-Ring; 15,587 lb. capacity, O.D 5" x 5" x 1" ring
83600	Recessed Tie-Down Ring; 5,000 lb. capacity, 4-7/8" x 4-1/2" mounting bracket

2" Receiver Tube

2" Receiver Tube



The **FIRST** Name  
in Towing Products

Limited Lifetime Warranty  
(1-year finish, 1-year parts)

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

Part #	Description
42225	Switch Ball Trailer Ball Set; includes 3 ball diameters and 2-1/4" shank length Ball 1: 1-7/8" 3,500 lb., Ball 2: 2" 6,000 lb., Ball 3 2-5/16" 8,000 lb. capacity
40004	2" Trailer Ball; 6,000 lb. ball capacity, 1" shank, 2-1/8" shank length
40006 Curt	2-5/16" Trailer Ball; 10,000 lb. ball capacity, 1-1/4" shank, 2-5/8" shank length
40008	2-5/16" Trailer Ball; 20,000 lb. ball capacity, 1-1/4" shank, 2-3/4" shank length
20001 Curt	Ball Wrench; 1-1/8" and 1-1/2" ends, for use with 3/4" or 1" trailer ball shanks



Part #	Description
57184	Electrical Adapter; 4-way flat from vehicle to 7-way RV blade to trailer
57183	Electrical Adapter; 4-way flat from vehicle to 6-way round to trailer
57245	Electrical Adapter; 7-way RV blade from vehicle to 4-way flat to trailer
57255	Electrical Adapter; 7-way RV blade from vehicle to 6-way round to trailer
58180	Electrical Connector; 7-way round trailer side plug with spring
58170	Electrical Connector; 7-way round vehicle side socket
57208	Socket Mounting Bracket; 4-way or 6-way round socket
58291	Socket Mounting Bracket; 7-way RV plug socket



## TRUCK BACKUP ALARM FOR 7-WAY RV BLADE

- Integrated back up alarm sounds when vehicle is in reverse
- Simple plug-and-play design eliminates the need for cutting or splicing
- Extends a 7-way RV blade connector vehicle socket
- 7-way connects tail, brake, reverse, turn signals, brakes and auxiliary power
- Spring-loaded dust cover keeps connector clean when not in use
- One-Year Limited Warranty



**#57727**



## POLLAK TRAILER PLUGS

3-Year, 36,000 Mile Warranty

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

**#11-400EP**



  
replaces  
part #11-400P

All die-cast 4 way connectors 12 or 24 volt. Includes 11-402 plug and 11-404 socket.

**#11-604EP**



All die-cast 6 way plug. 12 or 24 volt.

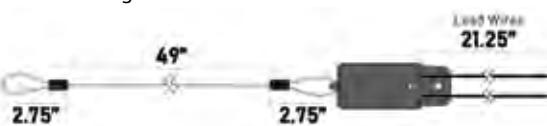
**#11-607EP**



Die-cast 6 way socket, exposed terminals. 12 or 24 volt.

## UNI-BOND TRAILER BREAKAWAY SWITCH

- The trailer breakaway switch is to activate the electrical brake to bring a trailer to a safe stop if the trailer is disconnected from the tow vehicle while driving.
- Mounting tab with pre-drilled hole for quick surface mount installation. Cable features a nylon pull pin for easy release and a looped end to quickly attach to your trailer hitch.
- The unit is a switch with insulating material between contacts. When release chain is pulled free, contact from power to brake is made.



**#SWK301**

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



## CONSPICUITY TAPE

- 2" wide tape with adhesive back
- Compliant with DOT standards

Part #	Description
RT20150RW	150' x 2" Red/Silver Conspicuity Tape (roll)
RT2050RW	50' x 2" Red/Silver Conspicuity Tape (roll)



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov)

## RAIN CAPS

Keep the rain out of your engine with our quality line of rain caps. These rain caps are commercially zinc plated for longer life. The following popular sizes are readily available.



Part #	Description
1.5RC	1-1/2" Rain Cap
2RC	2" Rain Cap
2.5RC	2-1/2" Rain Cap
3RC	3" Rain Cap
3.5RC	3-1/2" Rain Cap
4RC	4" Rain Cap
4.5RC	4-1/2" Rain Cap
5RC	5" Rain Cap
6RC	6" Rain Cap
8RC	8" Rain Cap

## EZ-FLIP HEAVY DUTY LOAD MEASURING STICK

- Perfect for auto transport, heavy haul and pilot vehicles
- Expands 52.5" to 15'
- 4' horizontal bar pivots and locks into position
- Easy to read Standard or Metric scales
- 4 Section fiberglass telescoping pole



#LMS103



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov)

## SLOW MOVING VEHICLE SIGNS AND ACCESSORIES

Part #	Description
0109791	Pole Mounting Kit
0109792	Blade Mounting
0109793	Sockets & Bolts (Use w/ 0109792)
0119186	Decal Only
0119198	Sign on aluminum backing

*Ideal for construction, farm, and mowing machines. Sign has an aluminum backing. Size 16" W x 14" H.*



Sold In  
Case/Pkg.  
of 12

0109792

0109791

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov)

## EMERGENCY TRIANGLE KIT

- Kit contains 3 triangles stored in a compact plastic box
- Quick and easy set-up, no tools needed
- Compact and portable
- Weighted base
- D.O.T. Approved



#RW03K



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov)

## REALTRUCK BACKRACK™

We offer the full line of Realtruck Backrack products.  
Call for pricing and lead times.



## FLO-ORANGE JERSEY WARNING FLAG

- High visibility knit polyester, fray resistant
- Double-stitched with a reinforced hem
- Great for highway use
- Sewn pockets with  $\frac{3}{4}$ " x 30" wood dowel or unbreakable plastic staff
- Double-stitched with a reinforced hem



Case size:  
10 flags



## EZ-MOUNT FLAG ASSEMBLY KIT

- Machined from stainless steel with a solid aluminum rod
- Features a stainless steel spring receiver for fast connect/disconnect
- Jersey flag sewn directly to welting
- Welting allows for free rotation of flag on the staff
- Double stitched for extra strength
- **FZK700C KIT** contains all parts needed for installation, including hardware and bracket providing a 45° or 90° angle for mounting



Part #	Description
FZK700C	18" Orange Flag Assembly Kit (with Stainless Steel Bracket)
FZA700C	18" Flo-Orange Flag Assembly (without bracket)
FZR700C	18" Flo-Orange Replacement Flag (Replacement Nut Included)
FZB101	EZ-Mount Bracket (Only)



FZK700C  
FLAG ONLY



FZA700C  
ASSEMBLY ONLY

FZK700C  
KIT

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## HEAVY DUTY KNITTED WARNING FLAG

- 18" x 18" red/orange flag
- Resists fraying, tearing, and snagging
- Comes with 24" wooden dowel
- Open weave fabric to help air to pass through
- Flag has bound edges



Case size:  
10 flags

#183034

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## RED MESH STAFF FLAG

- 18" X 18"
- Vinyl coated polyester
- Sewn pockets with a  $\frac{3}{4}$ " x 30" wood dowel
- Double stitched with a reinforced hem



#FS400CR



Case size:  
10 flags

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## REVERSIBLE OVERSIZE/WIDE LOAD SIGN

- 18" x 84" Double-stitched banner
- Tear and fray resistant
- Printed on 13 oz. vinyl-laminated polyester
- Fitted with large #5 toothed grommets
- Grommets have a 9/16" center hole and are set with 90 lbs. of pressure
- Exceed AASHTO requirements for all 50 states



#AV102

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## GROMMET OVERSIZE & WIDE LOAD SIGNS



Part #	Description
F10141	Oversize Load Sign
F10143	Wide Load Sign



- 18" x 84" durable vinyl coated poly-mesh material allows airflow
- Wrap around stitch border
- Six #2 brass grommets for easy attachment
- Bold 12" black letters hand silk screened on yellow background



## ECCO WIRELESS RECHARGEABLE CLASS II BEACON



ECCO's EB5200A wireless rechargeable LED beacon is a non-permanent warning light solution for any work truck, utility truck or any other commercial vehicle application that's ready to use right out of the box

- 12-24 VDC; 0.8 Amps
- Amber Lens / Amber LEDs
- 7 Flash Patterns
- Plug-n-play out of the box, no wiring needed
- Wireless remote for ON/OFF and flash pattern control
- Vacuum-magnet mount
- Cigarette charging cable
- Over 6-hours of active use
- 4" Dia. x 3" H
- SAE Class 2, CE, UKCA, R10, IP67, IP69K, FCC (beacon only)
- 1 Year Warranty



#EB5200A



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## UNI-BOND RECHARGEABLE LED MINI BEACON



- 2-inch battery operated heavy duty Amber LED beacon
- Comes with ON/OFF and pattern selection switch
- Built-in batteries (charger included)
- Heavy duty strong magnetic base
- 40-Watt Amber LED
- 3 Flash patterns including Rotating Flash
- 2.1" H x 2.76" Diameter
- Aluminum base with polycarbonate lens
- Charge time: 2 hours
- Operating time: 9+ hours
- SAE J845 Class 2, IP66, EMC Certified



#E-430AM



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## EQUIPMENT UMBRELLAS



*Lead Time  
May Apply*



- Insures protection against rain & sun
- For industrial, construction, tractors, combines, and other equipment requiring operator sunshade protection
- Complete umbrella consists of cover, bracket, & frame
- Zinc coated parts for long lasting, maintenance-free service
- Universal mounting bracket adapts to all types of equipment
- Vinyl covers also available (by special order)
- Dimensions: 54" x 54"
- 90 day warranty
- Also available in Red, Blue and Orange
- Replacement parts available
- Customized logo printing available

Part #	Description
405456	Complete Umbrella Kit With White Canvas Color
405457	Complete Umbrella Kit With Yellow Canvas Color

**WARNING:** This product can expose you to chemicals including Chromium IV compounds and Ethylene Oxide, which are known to the State of California to cause cancer and birth defects and reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## HIGH PERFORMANCE WIPERS

### M6Pro Premium Conventional Metal Wiper Blades

- Pre-installed connector fits 9x3 wiper arms
- The universal connector, included in each package, fits 9x4 hook arms, 1/4" and 3/16" pin wiper arms, and bayonet wiper arms
- Duratex® Pro Advanced Natural Rubber
- Super duty all-steel frame



Part #	Description
M6-12	12" Premium Metal wiper blade
M6-13	13" Premium Metal wiper blade
M6-14	14" Premium Metal wiper blade
M6-15	15" Premium Metal wiper blade
M6-16	16" Premium Metal wiper blade
M6-17	17" Premium Metal wiper blade
M6-18	18" Premium Metal wiper blade
M6-19	19" Premium Metal wiper blade
M6-20	20" Premium Metal wiper blade
M6-21	21" Premium Metal wiper blade
M6-22	22" Premium Metal wiper blade
M6-24	24" Premium Metal wiper blade
M6-26	26" Premium Metal wiper blade
M6-28	28" Premium Metal wiper blade

## WIPER MOTOR REPLACEMENTS

We offer 12 and 24 volt wiper motors you can retrofit in place of Bosch

- Voltage: 12V or 24V
- Speed: Low (33 rpm) or High (51 rpm)
- Max Torque: 23 Nm
- Commonly found on off-road construction equipment, agriculture, Caterpillar, John Deere, CNH.

Crossover Numbers:

BMOTOR12V = Bosch # F 006 B20 063 or F 006 B20 047 without plug

BMOTOR24V = Bosch # F 006 B20 064 or F 006 B20 048 without plug



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## WWF SERIES WIPER MOTOR

WWF Wiper Motors are common on a variety of trucks, equipment, tractors, boats, and many other applications for nearly 50 years.

- Self-contained wiper system with oscillating 1/2" drum pivot shaft
- Adjustable wipe angles, as well as park position from left to right
- Switch (not included) can be mounted directly to motor or installed in the cab
- Default wipe angles is 110°
- Shaft length available in 1.5", 2.5", 3.5"
- 12 VDC or 24 VDC
- Low speed: 40 rpm
- High speed: 60 rpm

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



Part #	Voltage	Shaft
4R1.12.R110D	12 VDC	1.5" Shaft
4R1.24.R110D	24 VDC	1.5" Shaft
4R2.12.R110D	12 VDC	2.5" Shaft

## SWITCH KITS FOR THE WWF SERIES MOTORS

Part #	Description
400257	One speed switch kit
400258	Two speed switch kit



## WIPER ARM

### WWF SERIES 1/2" DRUM ADJUSTABLE LENGTH WIPER ARM

Part #	Description
200717W	14"-18" adjustable length, J hook
200718W	20"-24" adjustable length, J hook

For Use with 1/2" Drum Pivot Shafts (WWF Series)



Part #	Description
200740W	14"-18" adjustable length, J hook
200760W	20"-24" adjustable length, J hook

For Use with DIN Pivot Shafts (BMotor Series)



## WINCH STRAP PARTS

### TIE DOWN WINCH

Heavy duty weld in place winch.  
For use with 4" strap #27X4.

- 90-Day Warranty

#5510



### STANDARD 4" WINCH STRAP

4" utility strap with 4" flat hook. Can be extended to a total length of 27 feet. Strap only.

- Rated Capacity 16,200 lbs.
- Working Load Limit 5,400 lbs.
- 90-Day Warranty

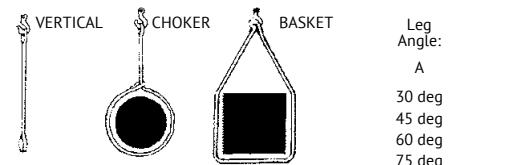
#27X4



## LIFTING SLINGS

Rated Sling Capacities - Pounds

- 90-Day Warranty



Reduction in Lift Capacity

14%  
30%  
50%  
75%

Vertical #	Choker #	Basket #	Part #	Description
1500	1200	3000	EE1-101X6	1 ply 1" X 6'
3100	2480	6200	EE1-102X6	1 ply 2" X 6'
3100	2480	6200	EE1-102X10	1 ply 2" X 10'
3000	2400	6000	EE2-101X6	2 ply 1" X 6'
6200	4960	12400	EE2-102X6	2 ply 2" X 6'
6200	4960	12400	EE2-102X10	2 ply 2" X 10'
6200	4960	12400	EE2-102X20	2 ply 2" X 20'
8600	6900	17200	EE2-103X6	2 ply 3" X 6'
8600	6900	17200	EE2-103X10	2 ply 3" X 10'
11500	9200	23000	EE2-104X6	2 ply 4" X 6'

## TARP STRAPS



Part #	Description
RTS-9	9" Rubber tarp strap with S-hooks
RTS-15	15" Rubber tarp strap with S-hooks
RTS-21	21" Rubber tarp strap with S-hooks
RTS-31	31" Rubber tarp strap with S-hooks

## RATCHET STRAP

1" x 16' black ratchet strap with coated S-hooks.  
**This is the best 1" tie down strap available.**

- Rated Capacity 2,400 lbs.
- Working Load Limit 800 lbs.
- 90-Day Warranty



#R2716SH



## RATCHET STRAP TIE DOWN ASSEMBLY



### 2" x 27' Long Wide Handle Ratchet

#### Strap Assembly with Flat Hooks

- Breaking strength: 5,454 kgs/12,000 lbs.
- Working load limit: 1,515 kgs/3,335 lbs.
- 90-Day Warranty
- 30' and 40' lengths available by special order



#5822-27



## SELF CONTAINED RATCHET STRAPS

Are you tired of deciding what to do with the excess strap after your load is tied down? This 27 foot ratchet strap will wrap your loose ends back into itself.

### 2" x 27' Self Contained Ratchet Strap Assembly with Flat Hooks

- 27 ft. length
- Rated capacity: 10,000 lbs
- Working load limit: 3,335 lbs
- 90-Day Warranty



#SCR5027FH



### 1" x 15' Self Contained Wide Handle Ratchet Strap with Coated S-Hooks

- 15 ft. length
- Rated capacity: 2,400 lbs
- 90-Day Warranty

#SCR2715SH



### 2" x 27' Self Contained Ratchet Strap Assembly with Wire Hooks

- 27 ft. length
- Rated capacity: 10,000 lbs
- Working load limit: 3,335 lbs
- 90-Day Warranty

#SCR5027WH

## “SPIN FREE” TIE DOWN STRAP ASSEMBLY

### 2" x 27' Long Wide Handle Ratchet Strap Assembly with Wire Hooks

- Rated capacity: 10,000 lbs
- Working load limit: 4,000 lbs.
- 90-Day Warranty



#R5027WH

**NOW  
“SPIN FREE”**

Keep your equipment held in place with these heavy duty 2" utility straps with long handle ratchet.

### 2" x 27' Long Wide Handle Ratchet Strap Assembly with Flat Hooks

- Rated capacity: 10,000 lbs
- Working load limit: 4,000 lbs.
- 90-Day Warranty



#27X2R

### 1-1/2" x 20' Long Ratchet Strap Assembly with Flat Hooks

- Rated capacity: 6,600 lbs
- Working load limit: 2,200 lbs.
- 90-Day Warranty



#R3620FH



2 year  
warranty

**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## PRESIDENT CB RADIOS

### PRESIDENT AM CB RADIO

- FCC Approved
- 40 Channel AM CB Radio
- Large LCD display (7 Color Options)
- 12 Volt
- PA mode
- Key beep and Roger beep functions
- Programmable emergency channel
- Talkback
- NB filter
- Automatic squelch control
- Compatible with Electret or Dynamic microphones
- 4.92" W x 5.94" D x 1.77" H
- Includes 4-pin Electret microphone with support, mounting cradle and screws



**#PRESIDENT ADAMS**

### PRESIDENT AM/FM CB RADIO

- FCC Approved
- 40 Channel AM/FM CB Radio
- LED display
- 12 Volt DC Power Terminal
- 2 emergency channels (EMG)
- Scan channel selector
- TOT (Time Out Timer)
- Key beep function
- Automatic squelch control
- 4.53" W x 5.12" D x 1.77" H
- Rear antenna connector and jack for (optional) external speaker
- Includes 6-pin Electret microphone with support, mounting cradle, screws and fused power cord



**#PRESIDENT TED**



Compare to  
Uniden  
PRO510XL

**#ACVR049** .....Replacement Mic

### PRESIDENT AM/FM CB RADIO

- FCC Approved
- 40 Channel AM/FM CB Radio
- Large LCD display (7 Color Options)
- 12/24 Volt
- PA mode
- Key beep and Roger beep functions
- 2 Programmable emergency channels
- Talkback
- Automatic squelch control
- Compander
- Vox function
- Compatible with Electret or Dynamic 6 pin microphones
- Scan
- Noise Gate
- NB filter
- 4.92" W x 7.09" D x 1.77" H
- Includes 6-pin Electret microphone with support, mounting cradle and screws

**#PRESIDENT THOMAS**



**#ACVR049** .....Replacement Mic

### PRESIDENT AM/FM CB RADIO WITH SWR

- FCC Approved
- 40 Channel AM/FM CB Radio
- Channel rotary switch
- 12 Volt
- Volume adjustment and ON/OFF
- Manual squelch and ASC
- Multi-function LCD display
- Frequencies display
- S/RF vu-meter
- Public address
- Scan + Scan Skip
- Talkback
- Beep Function
- Roger Beep
- Tone
- ANL Filter, NB, HI-CUT
- RF Gain / Mic gain
- RF Power
- Mic type electret / dynamic
- F function key
- VOX
- Mode switch AM / WX
- Preset emergency (EMG 1/2)
- SWR (Power Reading / SWR)
- Weather channel with Alert
- Front microphone plug
- External loudspeaker jack
- USB 5V 2.1A
- Front panel: brushed aluminum finish
- 7 Back light colors to choose from
- 6.69" W x 6.29" D x 2.04" H



**#PRESIDENT WALKER III**



Compare to  
Uniden  
PC78LTXFM

**#ACVR049** .....Replacement Mic



2 year  
warranty

**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## PRESIDENT CB RADIOS

### ULTRA COMPACT AM/FM CB RADIO

- FCC Approved
- 40 Channel AM/FM CB Radio
- Color LCD display (7 Color Options)
- 12 Volt
- Electret/dynamic compatible microphone
- 2 Programmable emergency channels
- Hi-Cut/ANL/NB filters
- Vox function
- Automatic squelch control
- Scan & Scan Skip
- Weather channels
- Alert, Key & Roger beep functions

Perfect for  
Side X Sides



**#PRESIDENT  
BILL II**

- USB charging socket
- Key lock function
- 4.02" W x 3.94" D x 0.98" H
- Includes 6-pin Electret mic with support, mounting cradle, quick fixation clip, and screws

**#ACVR049** .....Replacement Mic

### HAND HELD AM/FM CB RADIO

- FCC Approved
- 40 Channel AM/FM hand held
- Manual squelch and ASC
- Multi-function LCD display
- Frequencies display
- S-meter
- ANL/NB/Hi-Cut filters
- Scan
- F function key

- Beep function • Roger beep
- Weather channel with alert
- Emergency channel (EMG 1 & 2)
- Dual watch
- Key locking • Eco mode
- External Microphone plug
- External loudspeaker jack
- Flashlight
- Lithium-ion battery

NEW



**#PRESIDENT  
JERRY**

### ASTATIC MIC

- Dynamic 4-pin noise-canceling replacement mic
- Heavy duty construction
- Polyurethane coated steel grill screen
- Flexible 7-1/2 ft. heavy duty coil cord

**#636L**



**WARNING:** This product can expose you to chemicals including DEHP, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### PA HORN

- 5" black PA horn
- 15W rated
- 10' speaker cord, 3.5mm plug
- Weatherproof
- Mounting bracket and hardware included

NEW



**#SHPA-5B**

### SPEAKERS

#### DYNAMIC CB SPEAKER

- 4" - 8 Ohm premium external speaker
- 10 Watt rated
- 10' cord with 3.5mm plug
- Swivel mounting bracket and hardware included
- Designed for use with a CB radio

**#VS2**



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

#### BEARCAT CB/SCANNER EXTERNAL SPEAKER

- Maximum 15 Watts
- Noise blower for clear audio
- Frequency response: 500Hz-5kHz
- 10 Ft. speaker wire with 3.5mm jack
- 4" W x 2.5" H x 4" D (3" speaker)
- Includes ratchet-type mounting bracket and hardware
- One year mfg. warranty



**#BC15**

**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# Uniden® CB RADIOS

#PRO510XL



## PROFESSIONAL MOBILE CB RADIO

This compact CB transceiver incorporates state-of-the-art microelectronics into a sophisticated Euro-styled 2-way radio.

- ANL switch
- Full 40 channel operation
- 12 volt
- S/RF meter
- 1 Year Warranty

**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## UNIDEN DUAL CB RADIO

#PC68LTXFM

**NEW**

- 40 Channel Dual-Mode AM/FM CB Radio
- RF Gain
- Mic Gain
- NB (Noise Blanker)
- ANL (Automatic Noise Limiter)
- Analog Signal
- FR Meter
- HI CUT Control
- Includes: 12V DC Power Cord, Microphone, Bracket Hardware and Manual
- 1 Year Warranty

**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## UNIDEN HAND HELD CB RADIO

#PRO401HH



- 40 Channel Handheld CB Radio
- Portable & Compact
- Auto Noise Cancellation
- 4 Watts Power
- High/Low Power Selection
- Includes: 1 DC adapter, 1 flexible antenna (BNC), 1 belt clip and 1 wrist strap
- 1 Year Warranty



**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

#PRO520XL

## PROFESSIONAL HEAVY-DUTY MOBILE CB RADIO

- 40 Channel operation
- 12 Volt
- PA/CB Switch
- LED Display
- RF Gain Control
- Compact Size
- ANL Switch
- Digital S/RF Meter
- Instant Channel 9
- Includes mounting C bracket, thumb screws, and mic bracket with hardware
- 1 Year Warranty



## UNIDEN DUAL AM/FM CB RADIO WITH SWR

#PC78LTXFM

1 Year Warranty

**NEW**

- 40 Channel 12V AM/FM CB Radio (4W)
- Multi-Function Meter: RF Power, Signal Strength & SWR
- PA (Public Address)
- Channel 9 Direct Tune
- TX/RX Multicolor LED (Red and Green)
- AWI LED (Red)
- ANL, NB, and HI CUT Adjustment
- Dimmer Control
- RF Gain & MIC Gain Controls (Variable)
- Volume & Squelch Controls (variable)
- 4-Pin Microphone Jack

## UNIDEN 4-PIN REPLACEMENT MICROPHONE

#PRO510 MIC



- 4-Pin Replacement microphone for the PRO510XL & PRO520XL CB Radio (Does not work with other Uniden CB's or different brand CB radios)
- 5-Ft. coiled cord
- Clear quality sound

## WORKMAN 4-PIN REPLACEMENT MICROPHONE



#CBEM4

- 4-Pin Replacement electret condenser microphone for most Cobra and Uniden PRO510XL and PRO520XL CB Radios

## CB ANTENNAS



**#SH-901M**

Shark 9" rubber duck magnetic antenna with 3" magnet & 12' coax cable



**#SH-300SB**

Shark 3' magnetic mount antenna



**#TS821-4B**

4' single fiberglass mirror mount kit with 9' coax cable



**#TS821-2B**

2' single fiberglass mirror mount kit with 9' coax cable



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## SHO-ME Sirens

*\*\*Siren and speakers are sold separately\*\**

### MODEL 30.2104 FOUR-FUNCTION UNDERCOVER SIREN

Perfect entry level siren, Quick and easy for install

- Undercover siren with Wail, Yelp, Phaser and Air Horn sounds
- Designed to power one 100W RMS speaker with an 11 ohm impedance (Speaker sold separately)
- Includes amplifier, wire assembly and a remote panel
- 12 Volt, 100 Watt, 10 Amp Average / 15 Amp Max
- Amplifier 2-3/8" H x 5-3/8" D x 4-3/8" L; Switch 2" H x 1-3/4" D x 2" L
- 2 Year Warranty



**#30.2104**

### MODEL 30.2400 SIREN & SWITCH BOX COMBO

- Control emergency lights and sirens from one convenient location. Easily access twelve audio warning modes and seven auxiliary equipment functions from one dash-mount box.
- Includes the unique Intersection Mode, Wail, Yelp, Warble, Whoop, Hi-Lo, Phaser, Air Horn, Intersection Mode, Tap, Radio Rebroadcast, PA and Standby
- The amplifier powers one 100W RMS speaker with an 11 ohm impedance (Speaker available separately)
- Each slide switch position and pushbutton switch is rated at 10 Amps (Total for all switches cannot exceed 30 Amps)
- Includes a bail bracket, metal microphone mounting clip and all necessary wiring.
- 12 Volt, 100 Watt, Siren – 10 Amp Average / 15 Amp Max
- 3" H x 6-1/2" D x 6" L



**#30.2400**

1 Year Warranty

### MODEL 30.0300 SOUND BURST SPEAKER

- Constructed of heavy-duty nylon composite
- Multiple sound channels provide clear tones and a long-distance spread
- 100 Watt
- Impedance: 11 ohms at 1khz
- Comes fully assembled on a versatile "L" bracket
- 7-1/2" H x 6-1/2" W x 3-1/2" D with bracket
- 1 Year Warranty



**#30.0300**



**WARNING:** This product can expose you to chemicals including Lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## RADIOS

### JVC Single-Din in-Dash AM/FM Digital Media Receiver with Bluetooth

- VA LCD Display
- Smartphone Music Streaming
- Built-in Bluetooth
- 2 Phones Bluetooth Full-Time Connection
- Remote Control App
- Auto Dimmer
- Brightness Control
- Media Playback
- Hands Free Call
- Auto Streaming & Control

- Android Music Playback
- Front USB Power Supply
- Front Aux Input
- Radio Data Broadcast System
- 18 FM / 6 AM Preset Stations
- Full Bandwidth Power
- Detachable Face Panel
- Short Chassis
- 6.81" W x 1.93" H x 4.06" D
- 1 Year Manufacturer's Warranty



**JVC**

**#KD-X280BT**



*Due To  
Market Availability  
Alternates May  
Be Offered*

### JVC Single-Din AM/FM CD Receiver with Bluetooth

- VA LCD Display
- Smartphone Music Streaming
- Bluetooth iPhone and Android Automatic Pairing
- 2 Phones Bluetooth Full-Time Connection
- Remote Control App
- Auto Dimmer
- Brightness Control
- Media Playback
- Hands Free Call



- Auto Streaming & Control
- iPhone/iPod Music Playback
- Android Music Playback
- Front USB Power Supply
- Front Aux Input
- Radio Data Broadcast System
- 18 FM / 6 AM Preset Stations
- Full Bandwidth Power
- Detachable Face Panel
- 6.81" W x 1.93" H x 5.81" D
- 1 Year Manufacturer's Warranty



**JVC**

**#KD-TD72BT**

## 8 1/2" ROUND CONVEX MIRRORS

### #CX850SS

- Center Mount with L-Bracket
- Stainless Steel

Crossover: Velvac 708441



**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

### #CX855SS

- Offset Mount with L-Bracket
- Stainless Steel

Crossover: Velvac 708444



## BLIND SPOT MIRRORS

### #708520

- 5" Stainless Steel Convex
- Center Mount

Crossover: Sure Plus 530, Retrac 610146, Grote 28033



### #708515

- 6" Stainless Steel Convex
- Center Mount



## DURABALL SPOT MIRROR

- 8-1/2" convex stainless steel center mount mirror
- DuraBall mirror mounting and positioning system features a non-corrosive nylon ball joint with locking "L" bracket to provide smooth, long lasting operation (mirror must be loosened prior to repositioning)

Crossover:  
JLG 8866348,  
Sure Plus 560,  
Retrac 610703

**#708441**



## VELVAC 7" X 16" WEST COAST MIRROR HEAD

- Flat design; Over 93 square inches of flat viewing area
- Angle back design with frame
- 1/8" polished silvered glass
- Polished stainless steel housings
- 5/16" plated hardware

**#705333**

Crossover: Sure Plus 7400, Retrac 601272



## ACME SPECIALTY HEAVY DUTY MIRRORS



#AT74981

4" X 12" Convex Mirror w/Bracket  
Deere #AT74981

#1409

8" X 12" Convex Tempered Mirror  
with 5/8" Clamp Hardware  
Cat #209-9564  
Komatsu #08174-33023

#1467 Acme

16" X 24" Convex Tempered Mirror  
(16.85" distance between brackets)  
Great for large mining trucks

#2295 Acme

8" X 16" Convex Tempered Mirror  
(16.85" distance between brackets)  
Cat #5P-6876

#0911

7" X 7" Convex Mirror  
with Stud Mount  
Cat #5P-6872  
Cat #275-5588  
Volvo #57426

#2340 Acme

4" X 16" Convex Tempered Mirror  
(16.85" distance between brackets)  
Cat #5P-6875  
Case #367831A1

#2670

10" X 16" Convex Mirror  
(16.85" distance between brackets)  
Caterpillar #5P-6879, Terex #15021113,  
VME #E4063094, Komatsu #PB7406,  
Hitachi #E12631943, Deere #AT322444.  
Volvo #4063094

#2672

8" X 17" Tempered Mirror  
(16.85" distance between brackets)  
VME #E4063088, Komatsu #460720141,  
Hitachi #E12631942, Deere #480034324

#2683

6" X 16" Convex Tempered Mirror  
(16.85" distance between brackets)  
Cat #5P-6871, Komatsu #1237066H1,  
Volvo #57357

#2746 Acme

8" X 17" Tempered Mirror  
(two 3/8"-16 thread studs for mounting  
between brackets of approximately  
16.25" distance)  
Cat #6V-6962

## DUAL TONE ELECTRIC HORN



**#97779-04**

- One high tone/one low tone horn
- 12V operation

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## HIGH FREQUENCY VIBRATOR HORNS

For Industrial/Commercial Applications



Part #	Description
DH12V	12v 4.0 amps
DH24V	24v 3.0 amps

Dimensions: Dia: 4-1/2"; Depth: 2-5/8"; Frequency (hz):335; 134DB; DB Rating @ 4":134

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## NYLON AIR HORN VALVES

- Inlet is 1/8" NPT and accepts from 1/4" to 3/8" tubing and fitting
- Outlet is 1/8" NPT 24" braided steel lanyard is enclosed in heavy nylon clear coating
- Overall dimensions: 1" H x 3-1/2" L x 1" W
- Outlet for Fultone direct mounting is 7/16" 24 thread

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## FIAMM-SIGNALTONE AIR HORNS

Fultone air horns offer quality and performance at an attractive price. Used as an industry standard on many original equipment trucks and tractors. These are designed to withstand the most rugged conditions for on or off highway vehicles.



**Fultone Series:**  
For HD Trucks, Tractors,  
Construction & Industrial Use

Part #	Description	Decibel Level
62200	Stainless Steel	128db @ 30" @ 70 PSI
62330	Stainless w/12v Compressor kit	118db @ 30"

Dimensions: 16" x 7 1/2" x 4 1/8"; Bell Diameter: 3 3/4"; Frequency: 360/420

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## 12 & 24 VOLT ELECTRIC COMPRESSOR KITS

- Includes Compressor, 8' tubing, horn button and 10' wire
- Easy installation
- Provides instantaneou air supply
- If used with 62010 or 62200, it will provide a lower output of 114 db @ 30"



Compressor Only



Part #	Description
08110	Compressor Kit (12V)
08210	Compressor only (12V)
08115	Compressor Kit (24V)
08215	Compressor only (24V)

**WARNING:** Cancer and Reproductive Harm - [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).



**#08730**

Installation kit for Fultone series. Includes valve and lanyard, 8" tubing and fitting.



**#08700**

Valve and lanyard only for Fultone.



**Larger Illuminated**  
work area

**15°**  
Beam Angle

# NEW - LED HYBRID

Wider Beam Pattern

**Retrofits Available**

**370° Rotation x 135° Tilt**

**Wireless or Hard-Wired  
Remote Control Options**



**AVAILABLE FOR ALL GOLIGHT GT AND STRYKER ST SERIES MODELS**

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