PHILLIPS | WE MAKE PRODUCTS THAT MAKE A DIFFERENCE®

LIFTGATE ESSENTIALS

Products to avoid downtime and keep your liftgate cycling for on-time deliveries.

For new and innovative products, visit www.phillipsind.com

(B-LGE-ENG) REV0 1-19-17

12070 Burke Street, Santa Fe Springs, CA 90670
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PHILLIPS

LIFTGATE CHARGING CABLES

- For liftgate applications utilizing a trailer battery pack
- 4 ga. fine stranded copper for flexibility
- 100 amp continuous capacity; 200 amp intermittent capacity

Dual Pole

2/4 ga. Fine Stranded Copper

23-2626	15', 1 ground, 1 hot	*

- Excellent recoil memory, chemical and abrasion resistance
- Flexible from -82°F to 195°F (-63°C to 91°C)
- Internal ground to improve ground connections
- Heavy duty, reinforced zinc die-cast housing
- Mates with dual pole metal socket 15-326

Dual Pole "Y" Adapter

2/4 ga. Fine Stranded Copper

23-2630	15', 48" and 24" leads, 1 ground, 1 hot	*

- For fleets with single and dual pole trailers
- Allows dual pole tractor to connect to single or dual pole trailer
- Coil has a dual pole tractor side and dual and single pole plug trailer side
- Excellent recoil memory, chemical and abrasion resistance
- Flexible from -82°F to 195°F (-63°C to 91°C)
- Heavy duty, reinforced zinc die-cast housing
- As a recommended practice, use a tracker bar spring kit or pogo stick to support cable assemblies with longer leads

Single Pole

1/4 ga. Fine Stranded Copper

23-4625	15', 1 hot	*

- Good recoil memory, chemical and abrasion resistance
- Flexible from -87°F to 150°F (-66°C to 66°C)
- Heavy duty, reinforced zinc die-cast housing
- Mates with single pole metal socket 15-320
- As a recommended practice, use a tracker bar spring kit or pogo stick to sup port cable assemblies with longer leads

Straight - Single Pole

1/4 ga. Fine Stranded Copper

23-2071	15', 1 hot	

- Good chemical and abrasion resistance
- Heavy duty, reinforced zinc die-cast plugs
- Flexible from -82°F to 195°F (-63°C to 91°C)
- Mates with 15-320 socket
- Available in 4-IN-1 applications

*Working length - As measured by pull force per SAE J2222. Length of actual cable is significantly longer

Straight - Dual Pole

2/4 ga. Fine Stranded Copper

23-2271 15', 1 ground, 1 hot

- Good chemical and abrasion resistance
- Internal ground to improve ground connections
- Heavy duty, reinforced zinc die-cast plugs
- Flexible from -82°F to 195°F (-63°C to 91°C)
- Mates with 15-326 socket
- Avaliable in 4-IN-1 applications

AUXILIARY VERTICAL DUAL POLE CABLES

- For auxiliary applications such as tarps, utilizing a trailer battery pack
- Pins are offset allowing for initial ground contact, preventing the potential for arcing
- Made with either 4 ga. or 6 ga. fine stranded copper for flexibility
- Internal ground to improve ground connections
- Heavy duty, reinforced zinc die-cast plugs
- Mates with vertical dual pole metal socket 15-328
- Meets J3082 standards

Vertical Dual Pole - 4 Ga.

2/4 ga. Fine Stranded Copper

23-2629 15', 1 ground, 1 hot, 4 ga. *

- Excellent recoil memory, chemical and abrasion resistance
- Flexible from -82°F to 195°F (-63°C to 91°C)
- 100 amp continuous capacity; 200 amp intermittent capacity

Vertical Dual Pole - 6 Ga.

2/6 ga. Fine Stranded Copper

21-2629 15', 1 ground, 1 hot, 6 ga. *

- Excellent recoil memory, chemical and abrasion resistance
- Flexible from -82°F to 195°F (-63°C to 91°C)
- 70 amp continuous capacity; 130 amp intermittent capacity

Straight - Vertical Dual Pole - 4 Ga.

2/4 ga. Fine Stranded Copper

23-2272 15', 1 ground, 1 hot, 4 ga. *

- Good chemical and abrasion resistance
- 100 amp continuous capacity; 200 amp intermittent capacity

*Working length - As measured by pull force per SAE J2222. Length of actual cable is significantly longer

Straight - Vertical Dual Pole - 6 Ga.

2/6 ga. Fine Stranded Copper	
21-2272	15', 1 ground, 1 hot, 6 ga.

- Good chemical and abrasion resistance
- 70 amp continuous capacity; 130 amp intermittent capacity

LIFTGATE CHARGING PLUGS

- For liftgate applications utilizing a trailer battery pack
- 100 amp continuous capacity; 200 amp intermittent capacity
- Heavy duty, reinforced zinc die-cast housing

Dual Pole

Ground Return System	
15-336	Dual pole plug

- Provides separate power and ground connections
- Accepts 4 ga. wire only
- Separate ground pin for ground return systems
- Battery terminal crimp is required for assembly

Single Pole

Chassis Ground System	
15-335	Single pole plug

- Universal single pole plug
- Industry standard plug
- Lug for 4 ga. cable included
- Installs with standard lug crimp tool (crimp code gray)
- Mates with 15-320 socket

VERTICAL DUAL POLE AUXILIARY PLUGS

Vertical Dual Pole Auxiliary Plugs

15-338	4 ga. vertical dual pole plug
15-339	6 ga. vertical dual pole plug

- For auxiliary applications utilizing a trailer battery pack
- Pins are offset allowing for initial ground contact, preventing the potential for arcing
- Provides separate power and ground connections
- Battery terminal crimp is required for assembly
- Heavy duty, reinforced zinc die-cast housing
- 4 ga. plug has a 100 amp continuous capacity; 200 amp intermittent capacity
- 6 ga. plug has a 70 amp continuous capacity; 130 amp intermittent capacity

LIFTGATE CHARGING SOCKETS

CHARGE-BOX™

16-77712 STA-DRY® nosebox with single and dual pole socket

- 100 amp continuous capacity; 200 amp intermittent capacity

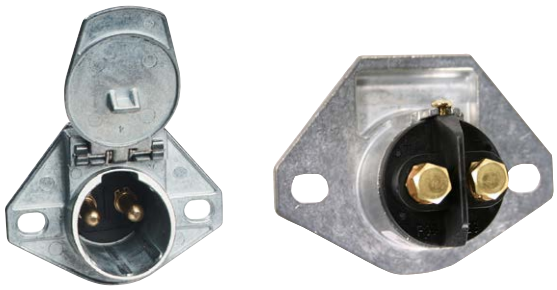
SOCKET
- Zinc die-cast housing for durability
- Solid brass pins
- Elongated holes for mounting adaptability
- Stainless steel hinge pin and spring for long life

STA-DRY® NOSEBOX
- Non-corrosive, nylon housing
- Impact resistant
- Steel reinforced mounting collars

Dual Pole Socket

15-326 Dual pole socket

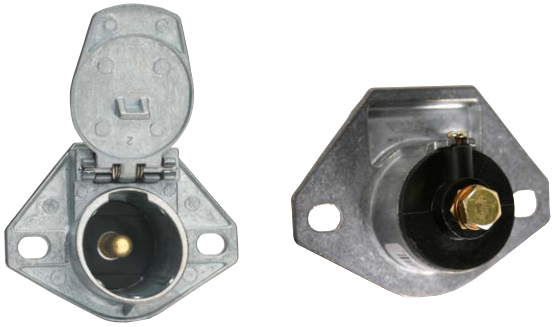
- Zinc die-cast housing for durability
- Solid brass pins
- Elongated holes for mounting adaptability
- Stainless steel hinge pin and spring for long life
- 1/4 in. stud size for lugs
- 150 amp continuous capacity; 200 amp intermittent capacity
- Mates with 15-336 dual pole plug



Single Pole Socket

15-320 Single pole socket

- Zinc die-cast housing for durability
- Solid brass pins
- Elongated holes for mounting adaptability
- Stainless steel hinge pin and spring for long life
- 150 amp continuous capacity; 200 amp intermittent capacity
- Mates with 15-335 single pole plug
- For use with 4 ga., 5/16 in. copper lug



AUXILIARY VERTICAL DUAL POLE SOCKET

Auxiliary Vertical Dual Pole Socket

15-328 Vertical dual pole socket

- For auxiliary applications utilizing a trailer battery pack
- Pins are offset allowing for initial ground contact, preventing the potential for arcing
- Zinc die-cast housing for durability
- Solid brass pins
- Elongated holes for mounting adaptability
- Stainless steel hinge pin and spring for long life
- Includes (2) 4 ga. and (2) 6 ga. copper lugs
- 1/4 in. stud size for lugs
- 150 amp continuous capacity; 200 amp intermittent capacity
- Mates with 15-338 or 15-339 vertical dual pole plug

CLEAR-VU™ Corrosion-Detecting Battery Cable

- Easy to see corrosion creeping through your battery cable
- Prevents premature battery, starter and alternator replacement
- Rope-style stranding for flexibility
- Easy to strip
- Superior abrasion resistance
- Flexible from -40°F to 150°F (-40°C to 66°C)
- Meets SAE J1127 SGT specifications

Color	Size	Length	Stranding	Package	Part No.
Translucent Red	4 ga.	25'	133 x 25	Spool	**3-545**
Translucent Red	4 ga.	100'	133 x 25	Spool	**3-545-100**
Translucent Red	1 ga.	25'	133 x 22	Spool	**3-555**
Translucent Red	1 ga.	100'	133 x 22	Spool	**3-555-100**
Translucent Red	2/0 ga.	25'	259 x 23	Spool	**3-565**
Translucent Red	2/0 ga.	100'	259 x 23	Spool	**3-565-100**
Translucent Smoke	4 ga.	25'	133 x 25	Spool	**3-546**
Translucent Smoke	4 ga.	100'	133 x 25	Spool	**3-546-100**
Translucent Smoke	1 ga.	25'	133 x 22	Spool	**3-556**
Translucent Smoke	1 ga.	100'	133 x 22	Spool	**3-556-100**
Translucent Smoke	2/0 ga.	25'	259 x 23	Spool	**3-566**
Translucent Smoke	2/0 ga.	100'	259 x 23	Spool	**3-566-100**
Clear	6 ga.	25'	133 x 27	Spool	**3-526**
Clear	4 ga.	25'	133 x 25	Spool	**3-528**
Clear	4 ga.	100'	133 x 25	Spool	**3-528-100**
Clear	2 ga.	25'	133 x 23	Spool	**3-530**
Clear	2 ga.	100'	133 x 23	Spool	**3-530-100**
Clear	1 ga.	25'	133 x 22	Spool	**3-551**
Clear	1 ga.	100'	133 x 22	Spool	**3-551-100**
Clear	2/0 ga.	25'	259 x 23	Spool	**3-532**
Clear	2/0 ga.	100'	259 x 23	Spool	**3-532-100**

Battery Cable

- Rope-style stranding for flexibility
- Easy to strip
- Superior abrasion resistance
- Operating temperature range -40°F to 150° (-40°C to 66°C)
- Meets SAE J1127 SGT specifications

Size	Length	Stranding	Package	Black Part No.	Red Part No.
6 ga.	25'	133 x 27	Spool	**3-502**	**3-501**
6 ga.	100'	133 x 27	Spool	**3-502-100**	**3-501-100**
6 ga.	250'	133 x 27	Spool	**3-502-250**	**3-501-250**
4 ga.	25'	133 x 25	Spool	**3-504**	**3-503**
4 ga.	100'	133 x 25	Spool	**3-504-100**	**3-503-100**
4 ga.	250'	133 x 25	Spool	**3-504-250**	**3-503-250**
2 ga.	25'	133 x 23	Spool	**3-506**	**3-505**
2 ga.	100'	133 x 23	Spool	**3-506-100**	**3-505-100**
2 ga.	250'	133 x 23	Spool	**3-506-250**	**3-505-250**
1 ga.	25'	133 x 22	Spool	**3-508**	**3-507**
1 ga.	100'	133 x 22	Spool	**3-508-100**	**3-507-100**
1 ga.	250'	133 x 22	Spool	**3-508-250**	-
1/0 ga.	25'	133 x 21	Spool	**3-510**	**3-509**
1/0 ga.	100'	133 x 21	Spool	**3-510-100**	**3-509-100**
1/0 ga.	250'	133 x 21	Spool	**3-510-250**	**3-509-250**
2/0 ga.	25'	259 x 23	Spool	**3-512**	**3-511**
2/0 ga.	100'	259 x 23	Spool	**3-512-100**	**3-511-100**
2/0 ga.	250'	259 x 23	Spool	**3-512-250**	**3-511-250**
3/0 ga.	25'	259 x 22	Spool	**3-514**	**3-513**
3/0 ga.	100'	259 x 22	Spool	**3-514-100**	**3-513-100**
3/0 ga.	250'	259 x 22	Spool	**3-514-250**	-
4/0 ga.	25'	259 x 21	Spool	**3-516**	**3-515**
4/0 ga.	100'	259 x 21	Spool	**3-516-100**	-
4/0 ga.	250'	259 x 21	Spool	**3-516-250**	-

HEAT SHRINK TUBING

STA-DRY® Heavy Duty Dual Wall

Color	Wire Gauge*	Expanded ID	After Recovery	Qty.	Length	Part No.
Red	8-6	.500"	.0167"	6	6"	**6-210**
Red	8-6	.500"	.0167"	6	1.5"	**6-403**
Red	1-2/0	.750"	.250"	6	6"	**6-211**
Red	1-2/0	.750"	.250"	1	6"	**6-211C**
Red	1-2/0	.750"	.250"	6	1.5"	**6-405**
Red	1/0-4/0	1.100"	.367"	6	6"	**6-207**
Red	1/0-4/0	1.100"	.367"	6	2"	**6-401**
Red	1/0-4/0	1.100"	.367"	1	48"	**6-209**
Black	12-10	.400"	.150"	6	6"	**6-202**
Black	8-6	.500"	.167"	6	6"	**6-204**
Black	8-6	.500"	.167"	6	1.5"	**6-402**
Black	1-2/0	.750"	.250"	6	6"	**6-212**
Black	1-2/0	.750"	.250"	1	6"	**6-212C**
Black	1-2/0	.750"	.250"	6	1.5"	**6-404**
Black	1/0-4/0	1.100"	.367"	6	6"	**6-206**
Black	1/0-4/0	1.100"	.367"	6	2"	**6-400**
Black	1/0-4/0	1.100"	.367"	1	48"	**6-208**

**Recommended wire gauge*

Heat Required

- Waterproofs, seals and insulates
- Adhesive lined cross-linked polyolefin
- Color-coded for polarity identification
- Dielectric strength: 500V
- "C" in part number denotes clamshell package
- Ideal for battery cable

STA-DRY® Flexible Dual Wall

Color	Wire Gauge*	Expanded ID	After Recovery	Qty.	Length	Part No.
Red	1-2/0	0.750"	0.250"	6	6"	**6-306**
Red	1/0-4/0	1.000"	0.320"	6	6"	**6-308**
Black	22-18	0.125"	0.040"	6	6"	**6-309**
Black	20-16	0.187"	0.062"	6	6"	**6-300**
Black	16-14	0.250"	0.080"	6	6"	**6-301**
Black	12-10	0.375"	0.120"	6	6"	**6-302**
Black	8-6	0.500"	0.160"	6	6"	**6-304**
Black	1-2/0	0.750"	0.250"	6	6"	**6-305**
Black	1/0-4/0	1.000"	0.320"	6	6"	**6-307**
Clear	22-18	.125"	.040"	6	6"	**6-310**
Clear	20-16	.187"	.062"	6	6"	**6-311**
Clear	16-14	.250"	.080"	6	6"	**6-312**
Clear	12-10	.375"	.120"	6	6"	**6-313**
Clear	8-6	.500"	.160"	6	6"	**6-314**
Clear	4-2/0	.750"	.250"	6	6"	**6-315**

**Recommended wire gauge*

Heat Required

- Waterproofs, seals and insulates
- Adhesive lined cross-linked polyolefin
- Color-coded for polarity identification
- Dielectric strength: 700V

Copper Lugs

Gauge	#10	1/4"	5/16"	3/8"	1/2"
6	**8-2110**	**8-2111**	**8-2112**	**8-2113**	**8-2115**
4	-	**8-2121**	**8-2122**	**8-2123**	**8-2125**

- Ideal for crimping or soldering
- Exceeds SAE conductivity standard J163 and J1811

Crimpable Battery Terminals

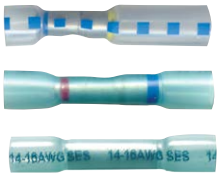
Gauge	Description	Positive	Negative
2/0	Straight clamp	**8-1160**	**8-1161**
2/0	Left elbow clamp	**8-1260**	**8-1261**
2/0	Right elbow clamp	**8-1360**	**8-1361**
2/0	Flag	**8-1460**	**8-1461**

GROUP 31

Gauge	Description	3/8" Hole Single	3/8" Hole Dual
2/0	Straight clamp	**8-1763**	**8-1863**
2/0	Non-rotating	**8-4763**	**8-4863**

- Tin plated for added conductivity and corrosion resistance
- Ideal for crimping or soldering
- Exceeds SAE conductivity standard J163 and J1811

STA-DRY® Heat Shrink Connectors



Multiple Wire Connector

Step-down Connector

Butt Connector

1-1724	16-14 ga., multiple wire connector, 10/bag
1-1728	22-18 ga. to 16-14 ga., step-down connector, 10/bag
1-1962	16-14 ga., butt connectors, 25/bag

Torches

4-054

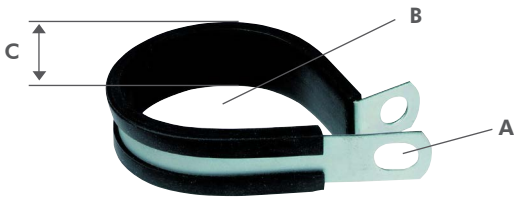
4-057

4-054	Mini-jet torch, blister pack
4-057	Professional torch, box

- Waterproof ignition system
- Refillable tank
- Adjustable gas flow

3/8" Rubber Cushion Clamps

Part No.	Mounting Hole Size (A)	Tube Size (B)	Width (C)	Qty.
5-46034	3/8"	3/16"	5/8"	25
5-46044	3/8"	1/4"	5/8"	25
5-46054	3/8"	5/16"	5/8"	25
5-46064	3/8"	3/8"	5/8"	25
5-46074	3/8"	7/16"	5/8"	25
5-46084	3/8"	1/2"	5/8"	25
5-46094	3/8"	9/16"	5/8"	25
5-46104	3/8"	5/8"	5/8"	25
5-46124	3/8"	3/4"	5/8"	25
5-46144	3/8"	7/8"	5/8"	25
5-46164	3/8"	1"	5/8"	25
5-46224	3/8"	1-1/8"	5/8"	25
5-46241	3/8"	1-1/4"	5/8"	5
5-46261	3/8"	1-3/8"	5/8"	5
5-46271	3/8"	1-7/16"	5/8"	5
5-46281	3/8"	2"	5/8"	5
5-46291	3/8"	2-1/2"	5/8"	5
5-46301	3/8"	3"	5/8"	5



- Provides electrical insulation and vibration absorption
- Allows for easy adding or rerouting of wires
- Recommended for long-term applications
- Galvanized steel for corrosion protection
- Elongated holes allow for minor adjustments of clamped parts

Note: When using with split loom, select the next size up from the size of the split loom. Example: 3/8 in. split loom needs 7/16 in. clamp

Neoprene Grommets

Part No.	Groove Width	Drill Diameter	Center Hole	Qty.
5-710	1/16"	5/16"	3/16"	50
5-711	1/16"	7/16"	5/16"	50
5-712	1/16"	11/16"	7/16"	50
5-713	1/16"	7/8"	5/8"	50
5-714	1/4"	13/16"	9/16"	50
5-715	1/4"	1"	11/16"	50
5-716	1/4"	1 1/6"	3/4"	50

Protect your wire and cable from sharp edges

- Eliminates sharp and rough edges from through-holes
- Made from neoprene for durability and flexibility
- Adds a neat, clean look to any installation
- High resistance to acids, greases, oils and diesel fuels
- Grommets for 1/16 in. and 1/4 in. panels

High Capacity Circuit Breakers

53-515	150 amp
53-520	200 amp

- Water resistant
- Panel or surface mounted
- Made of thermoset plastic
- Rated to 30 VDC, 3000 amp interrupt capacity
- Complies with SAE J1625
- Includes terminal covers

Liftgate Dual Pole Installation/Conversion Kit

- Improve conductivity with a dual pole charge set-up
- Dual pole sockets offer a secure ground that a 5th wheel does not
- Kit is available with or without 150 amp circuit breakers

15-327	Liftgate dual pole conversion kit
15-327-150	Liftgate dual pole conversion kit with 150 amp circuit breakers

Kit Contents

15-326	Dual pole socket	1
15-798	Gasket	1
15-740	Boot	1
15-784	Bracket	1
23-2626	15' dual pole coiled cable	1
3-503-010	4 ga. red battery cable	10 feet
3-504-010	4 ga. black battery cable	10 feet
8-4121	4 ga. x 1/4" tin plated copper lug	4
8-4122	4 ga. x 5/16" tin plated copper lug	4
8-4123	4 ga. x 3/8" tin plated copper lug	2
6-405	4 ga. x 1.5" red shrink tubing	2
6-404	4 ga. x 1.5" black shrink tubing	2
5-712	7/16" grommets for battery box	1
5-45074	7/16" rubber cushion clamps	20
17-154	QWIK-SNAP™ 4-hose holder	1
80-250	Dielectric grease	2
53-515	150 amp circuit breakers (included with 15-327-150 only)	1

V-CHECK™ II Battery Status Indicator

60-9100	V-CHECK™II battery status indicator, digital with 'Go/No-Go' LED, 12V

- Provides a digital display of the battery voltage (9-16 volts), and the battery state of charge
- Features the `Go/No-Go' LED – Know instantly if your battery is ready for the ride!
- Easy to install
- Measurement 2.25 in. x 2.25 in.
- Voltage color guide sticker included

How it works:

DIGITAL VOLT DISPLAY

- Voltage measurement and battery state of charge will appear every 15 seconds
- If the voltage is 15.0V – 16.0V the state of charge will be displayed as 'HI'
- If the voltage is 9.0V – 11.2V the state of charge will be displayed as 'SOS'
- If the voltage is below 9.0V the digital display will read as _9.0 with a state of charge displayed as `SOS'

GO/NO-GO LED COLOR CODE

- GREEN: 12.6V – 16.0V
- YELLOW: 12.4V – 12.5V
- RED: 12.3V and below

SLEEP MODE

- Unit will enter sleep mode after 2 days of no activity
- Unit will wake when voltage fluctuates +/- 0.2V

Voltage Measurement	State of Charge	LED Color Code
15.0V - 16.0V	HI	GREEN
12.6V - 14.9V	95% - 100%	GREEN
12.4V - 12.5V	75% - 80%	YELLOW
11.3V - 12.3V	10% - 70%	RED
11.2V - 9.0V	SOS	RED
_9.0V (Below 9.0V)	SOS	RED

PERMALOGIC™ TC
Liftgate Battery Charging System

- **FOR TRAILERS WITH LIFTGATE BATTERIES AND NO DOME LAMPS**
- Provides a 14.4V, 20A charge to the liftgate battery
- Eliminates a single or dual pole set-up in most situations*
- Brake light activated - If brakes are activated at any time, the PERMALOGIC™ TC automatically turns off the charge to the liftgate battery. By doing this, all power is available for the trailer ABS braking system.
- Patent No. 7,498,687

REMOTE UNIT

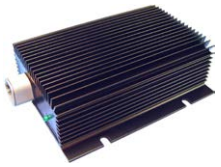
60-2600	Remote unit

NOSEBOX KIT

60-2620KT	Without circuit breakers, composite nosebox
60-2620-20KT	With 20 amp circuit breakers, composite nosebox

- Kit contents: PERMALOGIC™ TC nosebox, 50 ft. plug-in harness and TRAIL CHARGER™

REMOTE UNIT


TRAIL CHARGER™

REPLACEMENT PARTS

60-2620	Without circuit breakers, composite nosebox
60-2690	50' plug-in harness, 2/8 and 1/14 ga.
60-2699	TRAIL CHARGER™ - liftgate battery charger

- All -20 part numbers contain 20 amp circuit breakers, 30 amp on blue wire

Liftgate battery is charging

Normal conditions/ Trailer dome lamps are off

Constant - low voltage
Flashing - low voltage shut-off

* Depending on liftgate load, size and cycles

PERMALOGIC™ TC PLUS
Complete Trailer Power Management System

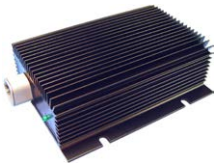
- **FOR TRAILERS WITH LIFTGATE BATTERIES PLUS DOME LAMPS**
- Provides a 14.4V, 20A charge to the liftgate battery
- Automatically charges liftgate batteries when the trailer dome lamps are not in use
- Brake light activated - By simply stepping on the brake pedal the PERMALOGIC™ TC PLUS automatically turns off the trailer dome lamps and the charge to the liftgate battery. By doing this, all power is available for the trailer ABS braking system.
- Patent No. 7,498,687

NOSEBOX KIT

60-2720KT	Single circuit, without circuit breakers, composite nosebox
60-2720-20KT	Single circuit, with 20 amp circuit breakers, composite nosebox

- Kit contents: PERMALOGIC™ TC PLUS nosebox, 50 ft. plug-in harness and TRAIL CHARGER™

REMOTE UNIT


TRAIL CHARGER™

REPLACEMENT PARTS

60-2700	Single circuit, remote unit
60-2720	Single circuit, without circuit breakers, composite nosebox
60-2720-20	Single circuit, with 20 amp circuit breakers, composite nosebox
60-2690	50' plug-in harness, 2/8 and 1/14 ga.
60-2699	TRAIL CHARGER™ - liftgate battery charger

- All -20 part numbers contain 20 amp circuit breakers, 30 amp on blue wire

Trailer dome lamps are on

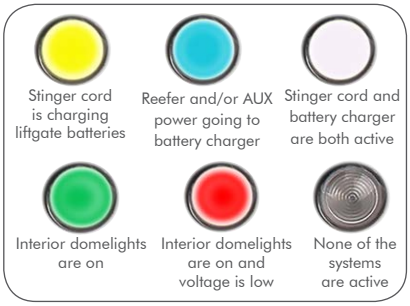
Liftgate battery is charging

Normal conditions/ Trailer dome lamps are off

Overloaded circuit

Constant - low voltage
Flashing - low voltage shut-off

PERMALOGIC™ Smart-Charge



- A "smart" charging system for liftgate and auxiliary battery banks
- Regulates power draw from ALL available sources collectively at the same time
- Recognizes and automatically manages the best power source(s) to charge your batteries
- Has built-in low voltage detection to avoid draining power sources
- LED indicator displays which power input source is being utilized

60-3000KT	PERMALOGIC™ Smart-Charge Kit

60-3000KT Contents

60-3000	PERMALOGIC™ Smart-Charge – Dual Nosebox
60-3600	STA-CHARGE™ - Liftgate Battery Charger
60-3650-540	45', STA-CHARGE™ Harness
60-2687	45', Dual Pole/Single Pole (Stinger) Cable, 2 ga.
60-2691	5', 7-Way AUX Harness
60-2692	10', Reefer Harness

60-3600

STA-CHARGE™ Battery Charger
Maximizes the liftgate or auxiliary battery efficiency with a faster charge when paired with a Phillips STA-CHARGE™ harness

PERMALITE™ XB High Efficiency LED Dome Lamps

Up to two times brighter than the competition!

51-22221

51-22211

51-22221	Dome lamp, 20 LEDs, 2200 lumens, aluminum housing, PIR motion sensor, individual retail box
51-22224	Dome lamp, 20 LEDs, 2200 lumens, aluminum housing, PIR motion sensor, bulk pack
51-22211	Dome lamp, 20 LEDs, 2200 lumens, aluminum housing, individual retail box
51-22214	Dome lamp, 20 LEDs, 2200 lumens, aluminum housing, bulk pack

- Passive infrared (PIR) motion sensor (51-22221 and 51-22224 only)
  - 5 minute shut off timer (after activity stops)
  - Angle of movement detection 100° at 16.4 ft max
- 20 LEDs
- 2200 lumens
- Multi-volt: runs on a 12 or 24 volt system
- Operating voltage: 10V – 36V DC
- Current AMP draw: 1.5A at 12V
- Reverse polarity protection
- Designed for extreme temperatures: -40°F to 176°F (-40°C to 80°C)
- Strong aluminum housing with powder coated finish and textured clear polycarbonate lens
- Silicone seal protects components under lens from moisture build up
- 14 ga. wires with .180 male bullet connectors protected by an additional layer of STA-DRY® jacketing to guard against corrosion