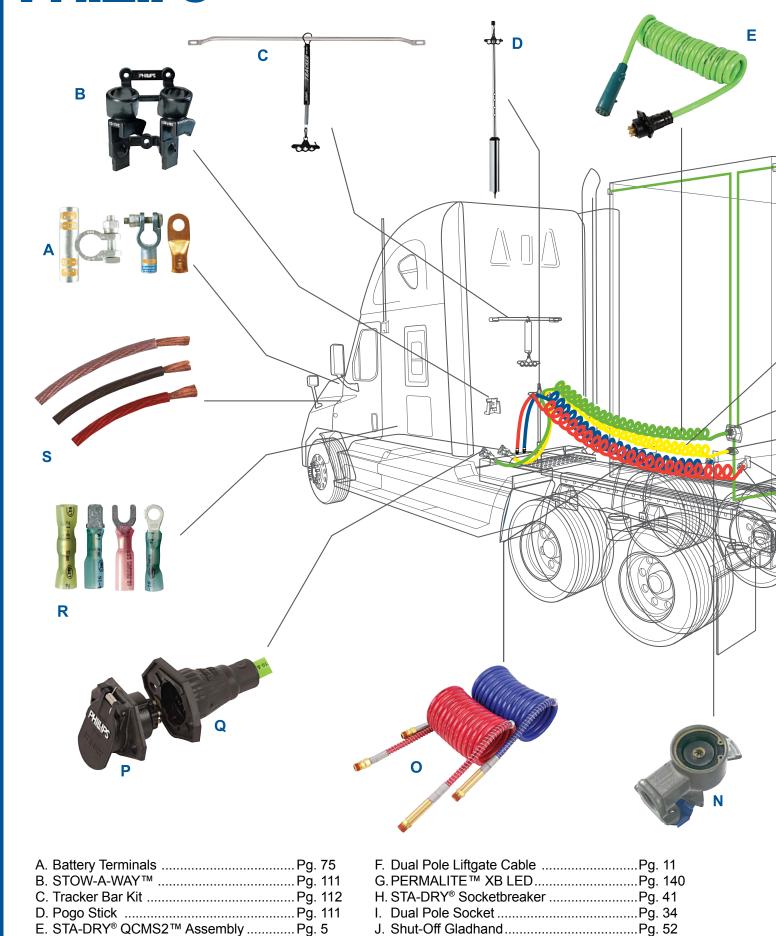
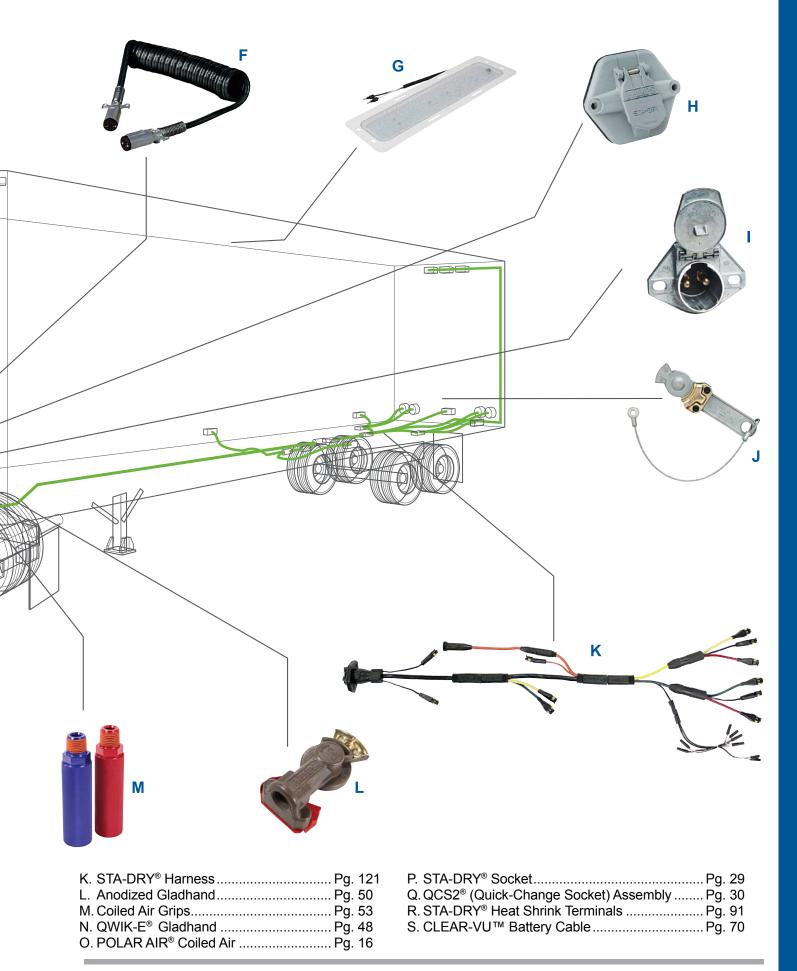


WE MAKE PRODUCTS THAT MAKE A DIFFERENCE®







Since 1928, Phillips has been driving the global transportation industry. Hugh Phillips began selling truck parts to produce haulers over 89 years ago. Seizing an opportunity, he developed and applied for a patent for a vehicle signal arm. The company began manufacturing the signal arm two years later, and this single product became the foundation on which the company's success was built.

Today, Phillips Industries is a creator as well as a distributor of a wide variety of electrical and air products, serving the transportation industry. The company is a Tier 1 supplier and partner to virtually every major tractor and trailer manufacturer in the U.S., and is a leader in the parts aftermarket for the transportation industry. The sales and customer service staff consistently rate among the top in the industry with extensive training and product knowledge.

Over the decades, Phillips has evolved from a parts distributor to an innovator and manufacturer of advanced-concept parts for the transportation industry. "In many cases, the only way to meet our specification was to build it ourselves," says Bob Phillips, CEO. This philosophy has made the company a recognized leader in quality and innovation. Phillips manufactures highly engineered, solution driven products with great attention to detail, using the highest grade materials and consistently adhere to strict TS 16949 production standards at all manufacturing facilities. Extensive testing ensures that every product made reduces fleet down time and operating expenses, saving customers millions in installation and replacement costs.

Phillips' leadership in quality and innovation has been recognized by numerous industry awards including Ford's Q1, Freightliner's Masters' of Quality, Paccar's Preferred Supplier, Volvo's ISO 9002 and Napa's Supplier of the Year. Phillips has certification of the coveted industry-wide ISO 14001 and TS 16949.

Based in Santa Fe Springs, California, Phillips Industries has manufacturing and distribution facilities throughout the U.S., Canada, Mexico, China, and Europe.



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ELECTRICAL ASSEMBLIES

STA-DRY® QCMS2™



^{*} Standard on all Phillips electrical cable assemblies and plugs

ELECTRICAL ASSEMBLIES

- Large finger grips for coupling/uncoupling, even with gloves
- · Longer plug interior for easy maintenance
- Protected with non-corrosive, non-conductive, dielectric grease
- WEATHER-TITE™ PERMAPLUGS™ have machine-crimped terminals for increased conductivity
- Meets SAE J560, J2222, J2394 or ISO 3731

STA-DRY® QCMS2™

1/8, 2/10 &	4/12 ga. ABS Applications	
Part No.	Desc	ription
30-9334	12', with QCMS2™ and QCP™	*
30-9634	15', with QCMS2™ and QCP™	*
30-9934	15', 48" lead, with QCMS2™ a	nd QCP™ *

- A tight STA-DRY® seal locks out road contaminants, completely stopping the devastating effects of corrosion
- Plugs directly into the tractor and is rarely removed, further reducing the possibility of contaminants entering the electrical system
- Features the revolutionary QCP™ (Quick-Change Plug), with QCP™ cartridge which is field replaceable in under two minutes!
- Works with the QCS® or QCS2® boot, replaces the socket
- Flexible from -82°F to 195°F (-63°C to 91°C)
- · Built-in theft deterrent
- Patent No. 6,483,200
- ABS LECTRACOIL™ jacketing
- Meets SAE J560, J2394 and J2222
- · As a recommended practice, use a tracker bar spring kit or pogo stick to support cable assemblies with longer leads





1/8, 2/10 & 4/12 ga. ABS Applications

QCP™ (Quick-Change Plug) 5 Year Warranty Part No. Description 30-9324 12', with QCP™ * 30-9624 15', with QCP™ * 30-9924 15', 48" lead, with QCP™ * 30-9954 20', with QCP™ *

WEATHER-TITE™ PERMAPLUG™

Part No.	Description	
30-9120	10', with WEATHER-TITE™ PERMAPLUGS™	*
30-9320	12', with WEATHER-TITE™ PERMAPLUGS™	*
30-9620	15', with WEATHER-TITE™ PERMAPLUGS™	*
30-9920	15', 48" lead, with WEATHER-TITE™ PERMAPLUGS™	*
30-9820	20', 48" lead, with WEATHER-TITE™ PERMAPLUGS™	*

Zinc Die-Cast Plug

3 Year Warranty

3 Year Warranty

See website for details

ZIIIC DIE-C	asi riug	See website for details
Part No.	Description	
30-9321	12', with zinc die-cast plugs	*
30-9621	15', with zinc die-cast plugs	*
30-9921	15', 48" lead, with zinc die-cast plugs	*
30-9951	20', with zinc die-cast plugs	*
30-9821	20', 48" lead, with zinc die-cast plugs	*

- · Recommended for ABS applications and trailers with high voltage demands
- Flexible from -82°F to 195°F (-63°C to 91°C)
- Excellent recoil memory, chemical and abrasion resistance
- QCP™ cartridge is <u>field replaceable in under two minutes!</u>
- The WEATHER-TITE™ PERMAPLUG™ seal blocks contaminants from entering the electrical system
- · As a recommended practice, use a tracker bar spring kit or pogo stick to support cable assemblies with longer leads
 - * Working length As measured by pull force per SAE J2222. Length of actual cable is significantly longer.

ABS LECTRACOIL™



ABS PERMACOIL™



- · Recommended for ABS applications
- Flexible from -87°F to 150°F (-66°C to 66°C)
- Good recoil memory, chemical and abrasion resistance
- QCP™ cartridge is <u>field replaceable in under two minutes!</u>
- The WEATHER-TITE™ PERMAPLUG™ seal blocks contaminants from entering the electrical system
- As a recommended practice, use a tracker bar spring kit or pogo stick to support cable assemblies with longer leads

1/8, 2/10 & 4/12 ga. ABS Applications

QCP™ (Quick-Change Plug)

	<u> </u>	
Part No.	Description	
30-4324	12', with QCP™	*
30-4624	15', with QCP™	*
30-4924	15', 48" lead, with QCP™	*
30-4954	20', with QCP™	*

WEATHER-TITE™ PERMAPLUG™

Part No.	Description	
30-4320	12', with WEATHER-TITE™ PERMAPLUGS™	*
30-4420	12', 48" lead, with WEATHER-TITE™ PERMAPLUGS™	*
30-4620	15', with WEATHER-TITE™ PERMAPLUGS™	*
30-4920	15', 48" lead, with WEATHER-TITE™ PERMAPLUGS™	*
30-4820	20', 48" lead, with WEATHER-TITE™ PERMAPLUGS™	*

Zinc Die-Cast Plug

ZIIIC DIC-O		
Part No.	Description	
30-4321	12', with zinc die-cast plugs *	ķ
30-4621	15', with zinc die-cast plugs *	k
30-4721	15', 72" lead, with zinc die-cast plugs *	k
30-4921	15', 48" lead, with zinc die-cast plugs *	k
30-4951	20', with zinc die-cast plugs *	k
30-4821	20', 48" lead, with zinc die-cast plugs *	k

DURACOIL™



WEATHER-TITE™ PERMAPLUG

- For standard 7-way applications, NON-ABS equipped trailers
- Flexible from -82°F to 195°F (-63°C to 91°C)
- Excellent recoil memory, chemical and abrasion resistance
- UNBREAKABLE WEATHER-TITE™ PERMAPLUG™ or heavy duty reinforced zinc die-cast plugs
- The WEATHER-TITE™ PERMAPLUG™ seal blocks contaminants from entering the electrical system
- As a recommended practice, use a tracker bar spring kit or pogo stick to support cable assemblies with longer leads

1/10 & 6/12 ga. NON-ABS Applications

WEATHER-TITE™ PERMAPLUG™

Part No.	Description	
22-9320	12', with WEATHER-TITE™ PERMAPLUGS™	*
22-9620	15', with WEATHER-TITE™ PERMAPLUGS™	*
22-9720	15', 72" lead, with WEATHER-TITE™ PERMAPLUGS™	*

Zinc Die-Cast Plug

Part No.	Description	
22-9321	12', with zinc die-cast plugs	*
22-9521	12', 72" lead, with zinc die-cast plugs	*
22-9621	15', with zinc die-cast plugs	*
22-9721	15', 72" lead, with zinc die-cast plugs	*
22-9921	15', 48" lead, with zinc die-cast plugs	*

1/12 & 6/14 ga. NON-ABS Applications

Part No.	Description	
24-9621	15', with zinc die-cast plugs	*

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

1/10 & 6/12 ga. NON-ABS Applications

QCP™ (Quick-Change Plug)

Part No.	Description	
22-4324	12', with QCP™	*
22-4624	15', with QCP™	*
22-4954	20', with QCP™	*

WEATHER-TITE™ PERMAPLUG™

Part No.	Description	
22-4320	12', with WEATHER-TITE™ PERMAPLUGS™	*
22-4620	15', with WEATHER-TITE™ PERMAPLUGS™	*

Zinc Die-Cast Plug

Part No.	Description	
22-4321	12', with zinc die-cast plugs	*
22-4621	15', with zinc die-cast plugs	*
22-4721	15', 72" lead, with zinc die-cast plugs	*
22-4951	20', with zinc die-cast plugs	*

1/12 & 6/14 ga. NON-ABS Applications

QCP™ (Quick-Change Plug)

Part No.	Description	
24-4324	12', with QCP™	*
24-4624	15', with QCP™	*
24-4954	20', with QCP™	*

WEATHER-TITE™ PERMAPLUG™

Part No.	Description	
24-4320	12', with WEATHER-TITE™ PERMAPLUGS™	*
24-4620	15', with WEATHER-TITE™ PERMAPLUGS™	*

Zinc Die-Cast Plug

Part No.	Description	
24-4321	12', with zinc die-cast plugs	*
24-4621	15', with zinc die-cast plugs	*
24-4951	20', with zinc die-cast plugs	*

NON-ABS PERMACOIL™



- For standard 7-way applications, NON-ABS equipped trailers with minimal voltage demands
- Flexible from -87°F to 150°F (-66°C to 66°C)
- Good recoil memory, chemical and abrasion resistance
- QCP™ cartridge is <u>field replaceable in under two minutes!</u>
- The WEATHER-TITE™ PERMAPLUG™ seal blocks contaminants from entering the electrical system
- As a recommended practice, use a tracker bar spring kit or pogo stick to support cable assemblies with longer leads

COILED M7

1/8, 2/10 & 4/12 ga. ABS ApplicationsPart No.Description30-432712', coiled, with molded plugsNEW *30-462715', coiled, with molded plugsNEW *30-492715', with 48" lead, coiled, with molded plugsNEW *

1/12 & 6/14 ga. NON-ABS Applications

Part No.	Description	
24-4327	12', coiled, with molded plugs	NEW *
24-4627	15', coiled, with molded plugs	NEW *



- The M7, or Molded 7-way electrical assembly, features plugs that are unbreakable and completely molded to the electrical cable to combat against the devastating effects of corrosion!
- Jacketing is flexible from -87°F to 150°F (-66°C to 66°C)
- ABS cables feature an army green colored jacketing
- Good recoil memory, chemical and abrasion resistance
- Plug meets SAE J560 standards

ISOCOIL™



1/8, 2/10 &	4/12 ga. ISO Applications	
Part No.	Description	
31-9323	12', with zinc die-cast plugs	*
31-9623	15', with zinc die-cast plugs	*
31-9923	15', 48" lead, with zinc die-cast plugs	*

- For ISO (International Standard Organization) / auxiliary applications
- Flexible from -82°F to 195°F (-63°C to 91°C)
- · Excellent recoil memory, chemical and abrasion resistance
- Twisted pair brown and green wires to avoid signal noise
- Male ground pin to prevent mis-connections
- 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

ACCESSORY COIL



1/8, 2/10 &	4/12 ga. ISO Applications	
Part No.	Desc	cription
31-4323	12', with zinc die-cast plugs	*
31-4623	15', with zinc die-cast plugs	*

- · For auxiliary applications
- · Brown and green wires are not twisted
- Flexible from -87°F to 150°F (-66°C to 66°C)
- Good recoil memory, chemical and abrasion resistance
- Male ground pin to prevent mis-connections
- · Heavy duty, reinforced zinc die-cast plugs

Straight STA-DRY® QCMS2™





1/8, 2/10 &	1/8, 2/10 & 4/12 ga. ABS Applications		
Part No.	Description		
30-2055	12', with QCMS2™ with QCP™		
30-2075	15', with QCMS2™ with QCP™		
30-2095	20', with QCMS2™ with QCP™	1	

- A tight STA-DRY® seal locks out road contaminants, completely stopping the devastating effects of corrosion
- Plugs directly to the tractor and is rarely removed, further reducing the possibility of contaminants entering the electrical system
- QCP™ cartridge is field replaceable in under two minutes!
- Works with the QCS® or QCS2® boot, replaces the socket
- Built-in theft deterrent
- ABS LECTRAFLEX™ jacketing
- Flexible from -40°F to 150°F (-40°C to 66°C)
- Available in 3-IN-1 and 4-IN-1 assemblies
- Patent No. 6,483,200

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

Straight ABS LECTRAFLEX™

1/8, 2/10 & 4/12 ga. ABS Applications

QCP™ (Quick-Change Plug)

Part No.	Description	
30-2054	12', with QCP™	
30-2074	15', with QCP™	
30-2094	20', with QCP™	

WEATHER-TITE™ PERMAPLUG™

Part No.	Description	
30-2010	8', with WEATHER-TITE™ PERMAPLUGS™	
30-2030	0', with WEATHER-TITE™ PERMAPLUGS™	
30-2050	12', with WEATHER-TITE™ PERMAPLUGS™	
30-2070	15', with WEATHER-TITE™ PERMAPLUGS™	

Zinc Die-Cast Plug

Part No.	Description	
30-2011	8', with zinc die-cast plugs	
30-2031	10', with zinc die-cast plugs	
30-2051	12', with zinc die-cast plugs	
30-2071	15', with zinc die-cast plugs	
30-2091	20', with zinc die-cast plugs	



- · Spring-wrapped compression contact pins
- · Chemical and abrasion resistant
- QCP™ cartridge is <u>field replaceable in under</u> two minutes!
- The WEATHER-TITE™ PERMAPLUG™ seal blocks contaminants from entering the electrical system
- Flexible from -40°F to 150°F (-40°C to 66°C)
- Available in 3-IN-1 and 4-IN-1 assemblies

Straight NON-ABS DURAFLEX™

1/10 & 6/12 ga. NON-ABS Applications		
Part No.	Description	
22-2011	8', with zinc die-cast plugs	
22-2031	10', with zinc die-cast plugs	
22-2051	12', with zinc die-cast plugs	
22-2071	15', with zinc die-cast plugs	

· Chemical and abrasion resistant

4/0 0/40 0 4/40 ... 4 700 4 ...!"

- · Heavy duty, reinforced zinc die-cast housing
- Spring-wrapped compression contact pins
- Flexible from -40°F to 150°F (-40°C to 66°C)
- Available in 3-IN-1 and 4-IN-1 assemblies



STRAIGHT M7

1/8, 2/10 &	4/12 ga. ABS Applications	
Part No.	Desc	ription
30-2057	12', straight, with molded plugs	NEW *
30-2077	15', straight, with molded plugs	NEW *

1/10 & 6/12 ga. NON-ABS Applications

	m to at of 12 gain trout 120 1 pp. notations		
Part No.	Description		
22-2057	12', straight, with molded plugs	NEW *	
22-2077	15', straight, with molded plugs	NEW *	

- The M7, or Molded 7-way electrical assembly, features plugs that are unbreakable and completely molded to the electrical cable to combat against the devastating effects of corrosion!
- Jacketing is flexible from -87°F to 150°F (-66°C to 66°C)
- ABS cables feature an army green colored jacketing
- Good chemical and abrasion resistance
- Plug meets SAE J560 standards



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

Straight ISOFLEX™



1/8, 2/1	0 &	4/12 ga. ISO Applications	
Part N	ο.	Description	
31-20	33	10', with zinc die-cast plugs	
31-20	53	12', with zinc die-cast plugs	
31-207	73	15', with zinc die-cast plugs	
31-209	93	20', with zinc die-cast plugs	

- · Good chemical and abrasion resistance
- Heavy duty, reinforced zinc die-cast housing
- Flexible from -40°F to 150°F (-40°C to 66°C)
- Available in 4-IN-1 assemblies
- For auxiliary applications

30-4141

- Twisted pair brown and green wires to reduce signal
- · Spring-wrapped compression contact pins

DOLLY CABLES

'Y' Dolly Cables







Zinc Die-Cast Plug

- 1/8, 2/10 & 4/12 ga.
 ABS Applications

 Part No.
 Description

 30-4140
 10', 'Y' dolly cable, with WEATHER-TITE™ PERMAPLUGS™ *
- · For trailer doubles utilizing dolly applications
- · Connect electricals to the second trailer and dolly with one cable

10', 'Y' dolly cable, with zinc die-cast plugs

- · Recommended for ABS applications
- ABS PERMACOIL™ jacketing flexible from -87°F to 150°F (-66°C to 66°C)
- Good recoil memory, chemical and abrasion resistance
- WEATHER-TITE™ PERMAPLUG™ seal blocks all contaminants from entering the electrical system, creating a complete seal!
- Plugs meet SAE J560 specifications

LIGHT DUTY CABLES

6 & 4-Way Coils





Molded plug for long life!

6-Way Coil	l - 6/16 ga.		
Part No.	Description		
19-6708	8', with THERMOSEALED™ plugs *		
19-6710	10', with THERMOSEALED™ plugs *		
19-6712	12', with THERMOSEALED™ plugs *		
19-6715	15', with THERMOSEALED™ plugs	15', with THERMOSEALED™ plugs *	

4-Way Coil	- 4/16 ga.		
Part No.	Description		
19-4708	8', with THERMOSEALED™	plugs	*
19-4710	10', with THERMOSEALED™ plugs *		*
19-4712	12', with THERMOSEALED™ plugs *		*
19-4715	15', with THERMOSEALED™ plugs *		

- For light duty towing applications such as boats and utility trailers
- Plugs are molded for moisture and corrosion resistance
- Same heavy duty jacket as our PERMACOIL™ and ABS PERMACOIL™
- Flexible from -87°F to 150°F (-66°C to 66°C)

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

7-Way Light Duty PERMACOIL™

1/14 & 6/16	ga. Fine Stranded Copper	
Part No.	De	scription
19-7752	11.5', with PERMAPLUGS™	*

- Light duty 7-way accessory cable for truck mounted applications such as forklifts
- · Capable of running stop, turn and tail lights
- 360° compression ring secures PERMAPLUG™ to cable and eliminates moisture and corrosion
- Flexible from -87°F to 150°F (-66°C to 66°C)
- · Good recoil memory, chemical and abrasion resistance
- Meets ISO 1185 and ISO 4141 specifications



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

2/4 ga. Fine	Stranded Copper	
Part No.	De	scription
23-2326	12', 1 ground, 1 hot	*
23-2626	15', 1 ground, 1 hot	*
23-2926	15', 48" lead, 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
- As a recommended practice, use a tracker bar spring kit or pogo stick to support cable assemblies with longer leads
- Heavy duty, reinforced zinc die-cast housing
- Mates with dual pole metal socket 15-326



Dual Pole PERMACOIL™

2/4 ga. Fine	e Stranded Copper	
Part No.	Description	
23-2316	12', 1 ground, 1 hot	*
23-2616	15', 1 ground, 1 hot	*
23-2916	15', 40" lead, 1 ground, 1 hot	*

- · Good recoil memory, chemical and abrasion resistance
- Flexible from -87°F to 150°F (-66°C to 66°C)
- · Internal ground to improve ground connections
- Mates with dual pole metal socket 15-326
- Same heavy duty jacket as our PERMACOIL™ and ABS PERMACOIL™
- As a recommended practice, use a tracker bar spring kit or pogo stick to support cable assemblies with longer leads

2/4 ga. Fine Stranded CopperPart No.Description23-263015', 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 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

Dual Pole "Y" Adapter



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

Dual Pole to Single Pole Lead



2/4 ga. Fine	Stranded Copper	
Part No.	De	scription
23-2628	15', 1 ground, 1 hot	*

- · Coil has one dual pole and one single pole plug
- 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

Single Pole



1/4 ga. Fine	e Stranded Copper	
Part No.	Description	
23-4325	12', 1 hot	*
23-4625	15', 1 hot	*
23-4925	15', with 48" lead, 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 support cable assemblies with longer leads

Straight - Single Pole



1/4 ga. Fine	e Stranded Copper
Part No.	Description
23-2051	12', 1 hot
23-2071	15', 1 hot
23-2091	20', 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

Straight - Dual Pole



2/4 ga. Fir	ne Stranded Copper	
Part No.	De	scription
23-2251	12', 1 ground, 1 hot	
23-2271	15', 1 ground, 1 hot	

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

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

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		
Part No.	De	scription
23-2329	12', 1 ground, 1 hot, 4 ga.	NEW *
23-2629	15', 1 ground, 1 hot, 4 ga.	NEW *
23-2929	15', with 48" lead, 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 PERMACOIL™ - 4 Ga.

2/4 ga. Fine Stranded Copper		
Part No.	De	scription
23-4329	12', 1 ground, 1 hot, 4 ga.	NEW *
23-4629	15', 1 ground, 1 hot, 4 ga.	NEW *
23-4929	15', with 48" lead, 1 ground, 1	hot, 4 ga.

- · Good recoil memory, chemical and abrasion resistance
- Flexible from -87°F to 150°F (-66°C to 66°C)
- 100 amp continuous capacity; 200 amp intermittent capacity
- Same heavy duty jacket as our PERMACOIL™ and ABS PERMACOIL™



Vertical Dual Pole - 6 Ga.

2/6 ga. Fine Stranded Copper			
Part No.	De	scription	
21-2329	12', 1 ground, 1 hot, 6 ga.	NEW	*
21-2629	15', 1 ground, 1 hot, 6 ga.	NEW	*
21-2929	15', with 48" lead, 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



Vertical Dual Pole PERMACOIL™ - 6 Ga.

2/6 ga. Fine Stranded Copper		
Part No.	De	scription
21-4329	12', 1 ground, 1 hot, 6 ga.	NEW *
21-4629	15', 1 ground, 1 hot, 6 ga.	NEW *
21-4929	15', with 48" lead, 1 ground,	1 hot, 6 ga. NEW *

- · Good recoil memory, chemical and abrasion resistance
- Flexible from -87°F to 150°F (-66°C to 66°C)
- 70 amp continuous capacity; 130 amp intermittent capacity
- Same heavy duty jacket as our PERMACOIL™ and ABS PERMACOIL™



Straight - Vertical Dual Pole - 4 Ga.



2/4 ga. Fine Stranded Copper		
Part No.	Des	cription
23-2232	10', 1 ground, 1 hot, 4 ga.	NEW
23-2252	12', 1 ground, 1 hot, 4 ga.	NEW
23-2272	15', 1 ground, 1 hot, 4 ga.	NEW
23-2292	20', 1 ground, 1 hot, 4 ga.	NEW

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

Straight - Vertical Dual Pole - 6 Ga.



2/6 ga. Fine Stranded Copper		
Part No.	Description	
21-2232	10', 1 ground, 1 hot, 6 ga.	NEW
21-2252	12', 1 ground, 1 hot, 6 ga.	NEW
21-2272	15', 1 ground, 1 hot, 6 ga.	NEW
21-2292	20', 1 ground, 1 hot, 6 ga.	NEW

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

KIT

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

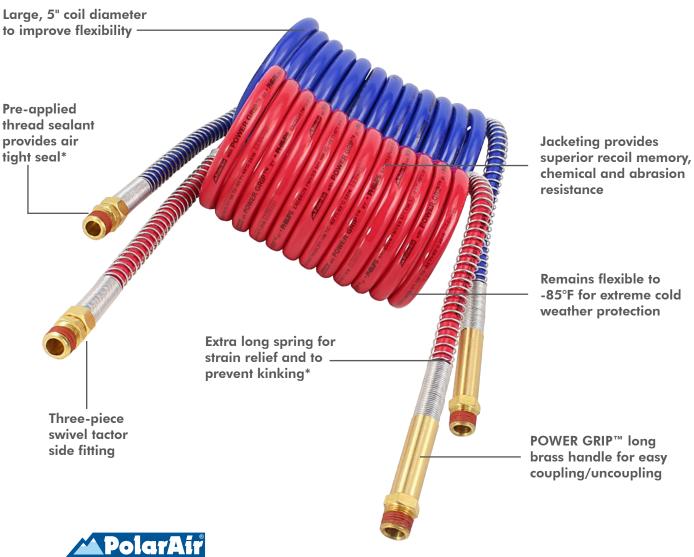
Part No.	Description	
15-327	Liftgate dual pole conversion kit	
15-327-150	Liftgate dual pole conversion kit with 150 amp circuit breakers	

Kit Conte	nts		
Part No.	Description		Qty.
3-503-010	4 ga. re	d battery cable	1
3-504-010	4 ga. bla	ack battery cable	1
5-712*	7/16" (c	enter hole) grommet for battery box	1
5-45074*	7/16" ru	bber cushion clamps, with 3/8" mounting hole	1
6-404*	1-2/0 ga	ı. heavy dual wall heat shrink tubing, black, 1.5"	1
6-405*	1-2/0 ga	ı. heavy dual wall heat shrink tubing, red, 1.5"	10 feet
8-4121*	4 ga. x 1	1/4" tin plated copper lug	10 feet
8-4122*	4 ga. x 5	5/16" tin plated copper lug	4
8-4123*	4 ga. x 3	3/8" tin plated copper lug	4
15-326*	Dual po	le socket	2
15-740*	Boot - 7	-pin socket	2
15-784*	Flat mou	unting bracket	2
15-798*	Mountin	g gasket - 2 hole mount socket	1
17-154*	QWIK-S	NAP™ 4-hose holder	20
23-2626*	15' dual	pole coiled cable	1
53-515*	150 amp	high capacity circuit breakers (included with 15-327-150 only)	2
80-250*	Dielectri	c grease tubes, 6 grams	1

^{*}Part number quantity listed in kit breaks standard pack. If part number is ordered separately outside of kit, additional quantities will be received.

AIR ASSEMBLIES

POLAR AIR®





Featuring Phillips Ultra-Protective
POLAR AIR® Jacketing

ADDITION WITH POWER GRIP TO BY PHILLIPS EXCEEDS FAIVSS
571.106 TO -85F I -65C

^{*} Standard on all Phillips air coils

COILED AIR



- REMAINS FLEXIBLE AT -85°F (-65°C)!
- FOR EXTREME WEATHER CONDITIONS
- · Excellent recoil memory, chemical and abrasion resistance
- Jacketing prevents fractures and provides durable rubber feel
- Large coil diameter prevents kinking and provides greater recoil
- POWER GRIP™ gladhand extension provides superior coupling/uncoupling leverage
- Single piece trailer side and three-piece swivel tractor side fittings
- 1/2" NPTF
- Meets SAE J844 and J1131 specifications
- Meets DOT 49 CFR FMVSS 571.106 specifications
- Meets DOT 49 CFR FMVSS 393.45 specifications
- As a recommended practice, use a tracker bar spring kit or pogo stick to support cable assemblies with longer leads

8' Working Length		
Part No.	Description	
11-5110	Pair (red and blue)	

Part No. Description
11-5120 Pair (red and blue)

Part No. Description

11-5300 Pair (red and blue) with 40" lead

15' Working Length		
Part No.	Description	
11-5150	Pair (red and blue)	
11-5151	Red (emergency) coil only	
11-5152	Blue (service) coil only	

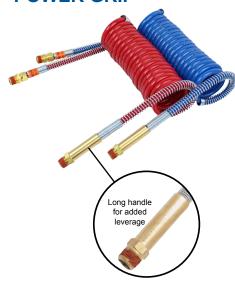
15' Working Length with 40" Lead		
Part No.	Description	
11-5400	Pair (red and blue) with 40" lead	
11-5401	Red (emergency) coil only, with 40" lead	
11-5402	Blue (service) coil only, with	l0" lead

20' Working Length		g Length	
Ī	Part No.	Description	
	11-5200	Pair (red and blue)	

20! Marking Langth with 40" Land

20 Workin	g Length with 40 Lead
Part No.	Description
11-5240	Pair (red and blue)

POWER GRIP™



12' Workin	ng Length	
Part No.	Description	
11-3120	Pair (red and blue)	
11-3100	Red (emergency) coil only	
11-3110	Blue (service) coil only	

15' Workin	ng Length	
Part No.	Description	
11-3150	Pair (red and blue)	
11-3170	Red (emergency) coil only	
11-3180	Blue (service) coil only	

	15' Working	g Length with 40" Lead	
	Part No.	Description	
	11-3400	Pair (red and blue), with 40" lead	
	11-3380	Red (emergency) coil only, with 40" lead	
	11-3390 Blue (service) coil only, with 40" lead		
_			

- POWER GRIP™ gladhand extension provides superior coupling/ uncoupling leverage
- Includes thread seal for secure connection to gladhand and chassis
- · Single piece trailer side and three-piece swivel tractor side fittings
- Remains flexible at -40°F (-40°C)
- 1/2" NPTF

- Meets SAE J844 and J1131 specifications
- Meets DOT 49 CFR FMVSS 571.106 specifications
- Meets DOT 49 CFR FMVSS 393.45 specifications
- As a recommended practice, use a tracker bar spring kit or pogo stick to support cable assemblies with longer leads

12' Working Length Description Part No. 11-312 Pair (red and blue) 11-310 Red (emergency) coil only 11-311 Blue (service) coil only

12' Workin	g Length with 48" Lead	
Part No.	Description	
11-333	Pair (red and blue), with 48" lead	
11-331	Red (emergency) coil only, with 48" lead	
11-332	Blue (service) coil only, with 48" lead	

15' Workin	g Length	
Part No.	Description	
11-315	Pair (red and blue)	
11-317	Red (emergency) coil only	
11-318	Blue (service) coil only	

15' Working	g Length with 40" Lead	
Part No.	Description	
11-340	Pair (red and blue), with 40" lead	
11-338	Red (emergency) coil only, with 40" lead	
11-339	Blue (service) coil only, with 40" lead	

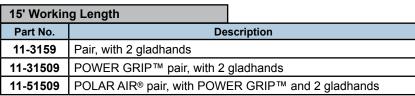
20' Workin	g Length	
Part No.	Description	
11-320	Pair (red and blue)	
11-321	Red (emergency) coil only	
11-322	Blue (service) coil only	

Heavy Duty Coiled Air



- · Includes thread seal for secure connection to gladhand
- · Single piece trailer side and three-piece swivel tractor side fittings
- Plated steel spring for added tubing protection
- Remains flexible at -40°F (-40°C)
- 1/2" NPTF
- Meets SAE J844 and J1131 specifications
- Meets DOT 49 CFR FMVSS 571.106 specifications
- Meets DOT 49 CFR FMVSS 393.45 specifications
- As a recommended practice, use a tracker bar spring kit or pogo stick to support cable assemblies with longer leads

Coiled Air with Gladhands



Description

POLAR AIR® pair, with POWER GRIP™ and 2 gladhands

15' Working	g Length with 40" Lead	
Part No.	Description	
11-3409	Pair, with 40" lead and 2 gladhands	
11-34009	POWER GRIP™ pair, with 40" lead and 2 gladhands	
11-54009	POLAR AIR® pair, with 40" lead, with POWER GRIP™ and 2 gladhands	

- Pre-installed gladhands torqued to factory specifications

Pair, with 2 gladhands

12' Working Length

Part No.

11-3129

11-51209

- · Air coils are built to "working length" to ensure coil does not kink and gladhands are secure under excessive pull force
- Gladhands are built with a heavy gauge powder-coated connector plate for corrosion protection
- Single piece trailer side and three-piece swivel tractor side fittings
- Air coils remain flexible at -40°F (-40°C) with the exception of POLAR AIR® which remains flexible at -85°F (-65°C)
- 1/2" NPTF
- Meets DOT 49 CFR FMVSS 571.106 specifications
- Meets DOT 49 CFR FMVSS 393.45 specifications
- As a recommended practice, use a tracker bar spring kit or pogo stick to support cable assemblies with longer leads



Coiled Air



12' Workin	g Length	
Part No.	De	scription
11-712	Pair (red and blue)	

15' Workin	g Length	
Part No.	Description	
11-715	Pair (red and blue)	
11-717	Red (emergency) coil only	
11-718	Blue (service) coil only	

15' Workin	ng Length with 40" Lead	
Part No.	Description	
11-738	Red (emergency), with 40" Lead	
11-739	Blue (service) coil only, with 40" Lead	
11-740	Pair (red and blue), with 40" Lead	

- · Includes thread seal for secure connection to gladhand
- Comes standard with temporary protective fitting caps to shield thread seal and block unwanted debris before installation
- Steel springs for added tubing protection
- Single piece trailer side and four piece swivel tractor side fittings
- 1/2" NPTF
- Meets SAE J844 and J1131 specifications
- Meets DOT 49 CFR FMVSS 571.106 specifications
- Meets DOT 49 CFR FMVSS 393.45 specifications
- As a recommended practice, use a tracker bar spring kit or pogo stick to support cable assemblies with longer leads

Sliding Fifth Wheel Coiled Air





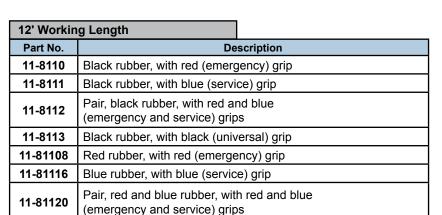
Part No.	Description
11-300	54" extension with 1/4" male pipe thread
11-300KT	11-300 with brass female adapter, 90° elbow fitting and 8" tie
11-302	60" extension with 1/4" quick connect swivel and coil protector
11-303	36" extension with 1/4" male pipe thread

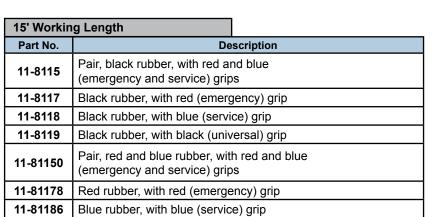
- · Brass ends for durability
- Industry standard nylon tubing
- · Extra long spring for strain relief

STRAIGHT RUBBER AIR

Rubber Air Lines

8' Working Length		
Part No.	Description	
11-81068	Red rubber, with red (emergency) grip	
11-81076	Blue rubber, with blue (service) grip	
11-81080	Pair, red and blue rubber, with red and blu (emergency and service) grips	ie





20' Workin	20' Working Length	
Part No.	Description	
11-8120	Pair, black rubber, with red and blue (emergency and service) grips	
11-8121	Black rubber, with red (emergency) grip	
11-8122	Black rubber, with blue (service) grip	
11-8123	Black rubber, with black (universal) grip	
11-81200	Pair, red and blue rubber, with red and blue (emergency and service) grips	
11-81218	Red rubber, with red (emergency) grip	
11-81226	Blue rubber, with blue (service) grip	





- Tractor end includes swivel fitting for easy installation and spring guard for strain relief
- · Large grips for easy coupling/uncoupling and hose support
- · Provides excellent abrasion resistance and resists cracking, kinking and weathering
- 1/2" NPTF
- Meets DOT CFR 49 FMVSS 571.106 specifications
- · Meet SAE J1402 hose specifications
- Red and blue rubber air lines available in 2-IN-1, 3-IN-1 and 4-IN-1 applications

2-IN-1 Air Combination Assemblies



Part No.	Description	
11-82120	12' spiral wrapped red & blue rubber air lines, with red & blue (emergency and service) grips	
11-82150	15' spiral wrapped red & blue rubber air lines, with red & blue (emergency and service) grips	
11-82200	20' spiral wrapped red & blue rubber air lines, with red & blue (emergency and service) grips	

- Spiral wrapped for a clean and organized look
- Includes hanging clamp and stainless steel clip for easy installation (P/N: 5-5018)
- · Outstanding kink and abrasion resistance
- Tractor end includes swivel fitting for easy installation and spring guard for strain relief
- · Large grips for easy coupling/uncoupling and hose support
- 1/2" NPTF
- Meets DOT CFR 49 FMVSS 571.106 specifications
- Meet SAE J1402 hose specifications

Bulk Heavy Duty ANTI Rubber Air Hose



Arctic Protection -65°F to 200°F (-53°C to 93°C)

Part No.	Description
11-8185-250	3/8" I.D. 250' spool

- Heavy duty EPDM rubber air brake hose
 - 4-spiral polyester reinforced rubber
 - Resists cracking, kinking and weathering
 - Provides excellent abrasion-resistance
- -65°F to 200°F (-53°C to 93°C)
- Burst pressure: 871 PSI
- Operating pressure: 145 PSI
- Meets SAE J1402 low temperature requirements

Bulk Heavy Duty Rubber Air Hose



Part No.	Description
11-8180-250	3/8" I.D. 250' spool, black
11-8190-250	1/2" I.D. 250' spool, black
11-8186-250	3/8" I.D. 250' spool, blue
11-8188-250	3/8" I.D. 250' spool, red

- · Heavy duty EPDM rubber air brake hose
 - 4-spiral polyester reinforced rubber
 - Resists cracking, kinking and weathering
 - Provides excellent abrasion-resistance
- -40°F to 200°F (-40°C to 93°C)
- Burst pressure: 871 PSI
- Operating pressure: 145 PSI
- Meets SAE J1402 specifications

ELECTRICAL & AIR COMBO ASSEMBLIES

3-IN-1 & 4-IN-1



ELECTRICAL & AIR COMBO ASSEMBLIES

ALL ASSEMBLIES

- Spiral wrapped for a clean organized look
- Outstanding kink and abrasion resistance
- Includes hanging clamp and clip for easy installation (P/N 5-5018)

FIFCTRICAL

ABS LECTRAFLEX™ & NON-ABS DURAFLEX™

- · Spring-wrapped compression contact pins
- · Chemical and abrasion resistant

Liftgate Charging Cable

- For liftgate applications
- 100 amp continuous capacity, 200 amp intermittent capacity

ISOFLEX™ Cable

- For auxiliary applications
- Twisted pair of brown and green wires reduces signal noise

ΔIR

Rubber Air Lines

- Large grips for easy coupling/uncoupling and hose support
- Tractor end includes swivel fitting for easy installation
- Provides excellent abrasion resistance and resists cracking, kinking and weathering
- Air lines are color coded red and blue to denote emergency and service

3-IN-1 Electrical & Air Assemblies



PLUGS



QCMS2™ connects to QCS2®

QCMS2™

 Connects to the QCS2® creating a tight STA-DRY® seal that locks out moisture and contaminants, stopping the devastating effects of corrosion



QCP™ (Quick-Change Plug)

QCP™ (Quick-Change Plug)

- · Reduces maintenance time
- Cartridge is field replaceable in uder two minutes

0

WEATHER-TITE™ PERMAPLUG™

WEATHER-TITE™ PERMAPLUG™

 The WEATHER-TITE™ seal resists water and contaminants from entering the electrical system creating a complete seal!



Zinc Die-Cast Plug

Zinc Die-Cast

 Heavy duty reinforced zinc die-cast housing for durability

Straight DURAFLEX™ 1/10 & 6/12 ga. NON-ABS Applications

Zinc Die-Cast Plug

Part No.	Description
22-2151	12', NON-ABS with zinc die-cast plugs, rubber air lines
22-2171	15', NON-ABS with zinc die-cast plugs, rubber air lines

Straight LECTRAFLEX™ 1/8, 2/10 & 4/12 ga. ABS Applications

QCMS2™ and QCP™ (Quick-Change Plug)

Part No.	Description
30-2155	12', ABS with QCMS2™ and QCP™, rubber air lines
30-2175	15', ABS with QCMS2™ and QCP™, rubber air lines
30-2195	20', ABS with QCMS2™ and QCP™, rubber air lines

QCP™ (Quick-Change Plug)

Part No.	Description
30-2154	12', ABS with QCP™, rubber air lines
30-2174	15', ABS with QCP™, rubber air lines
30-2194	20', ABS with QCP™, rubber air lines

WEATHER-TITE™ PERMAPLUG™

Part No.	Description
30-2150	12', ABS with WEATHER-TITE™ PERMAPLUGS™, rubber air lines
30-2170	15', ABS with WEATHER-TITE™ PERMAPLUGS™, rubber air lines
30-2190	20', ABS with WEATHER-TITE™ PERMAPLUGS™, rubber air lines

Zinc Die-Cast Plug

Part No.	Description
30-2151	12', ABS with zinc die-cast plugs, rubber air lines
30-2171	15', ABS with zinc die-cast plugs, rubber air lines
30-2191	20', ABS with zinc die-cast plugs, rubber air lines

4-IN-1 Electrical & Air Assemblies - With Single Pole

1/8, 2/10 & 4/12 ga. ABS Applications

QCMS2™ and QCP™ (Quick-Change Plug)

Part No.	Description
30-2259	12', ABS with (1) QCMS2™ and (1) QCP™, single pole, rubber air lines
30-2279	15', ABS with (1) QCMS2™ and (1) QCP™, single pole, rubber air lines
30-2299	20', ABS with (1) QCMS2™ and (1) QCP™, single pole, rubber air lines

QCP™ (Quick-Change Plugs)

Part No.	Description
30-2254	12', ABS with QCP™, single pole, rubber air lines
30-2274	15', ABS with QCP™, single pole, rubber air lines
30-2294	20', ABS with QCP™, single pole, rubber air lines

WEATHER-TITE™ PERMAPLUGS™

Part No.	Description
30-2250	12', ABS with WEATHER-TITE™ PERMAPLUGS™, single pole, rubber air lines
30-2270	15', ABS with WEATHER-TITE™ PERMAPLUGS™, single pole, rubber air lines
30-2290	20', ABS with WEATHER-TITE™ PERMAPLUGS™, single pole, rubber air lines

Zinc Die-Cast Plugs

Part No.	Description
30-2251	12', ABS with zinc die-cast plugs, single pole, rubber air lines
30-2271	15', ABS with zinc die-cast plugs, single pole, rubber air lines
30-2291	20', ABS with zinc die-cast plugs, single pole, rubber air lines



PLUGS



QCMS2™ connects to QCS2®

QCMS2™

 Connects to the QCS2® creating a tight STA-DRY® seal that locks out moisture and contaminants, stopping the devastating effects of corrosion



QCP™ (Quick-Change Plug)

QCP™ (Quick-Change Plug) • Reduces maintenance time

• Cartridge is field replaceable in uder two minutes



WEATHER-TITE™ PERMAPLIG™

WEATHER-TITE™ PERMAPLUG™

 The WEATHER-TITE™ seal resists water and contaminants from entering the electrical system creating a complete seal!



Zinc Die-Cast Plug

Zinc Die-Cast

 Heavy duty reinforced zinc die-cast housing for durability

4-IN-1 Electrical & Air Assemblies - With Dual Pole



PLUGS



to QCS2®

QCMS2™

Connects to the QCS2® creating a tight STA-DRY® seal that locks out moisture and contaminants, stopping the devastating effects of corrosion



QCP™ (Quick-Change Plug)

Reduces maintenance time
 Cartridge is field replaceable

in uder two minutes

WEATHER-TITE™ PERMAPLUG™

QCP™ (Quick Change Plug)



 The WEATHER-TITE™ seal resists water and contaminants from entering the electrical system creating a complete seal!

PERMAPLUG™

Zinc Die-Cast Plug

Zinc Die-Cast • Heavy duty reinforced zinc die-cast

housing for durability

1/8, 2/10 & 4/12 ga. ABS Applications

QCMS2™ and QCP™ (Quick-Change Plug)

Part No.	Description
30-2255	12', ABS with (1) QCMS2™ and (1) QCP™, dual pole, rubber air lines
30-2275	15', ABS with (1) QCMS2™ and (1) QCP™, dual pole, rubber air lines
30-2295	20', ABS with (1) QCMS2™ and (1) QCP™, dual pole, rubber air lines

QCP™ (Quick-Change Plugs)

Part No.	Description
30-2257	12', ABS with QCP™, dual pole, rubber air lines
30-2277	15', ABS with QCP™, dual pole, rubber air lines
30-2297	20', ABS with QCP™, dual pole, rubber air lines

WEATHER-TITE™ PERMAPLUGS™

Part No.	Description
30-2256	12', ABS with WEATHER-TITE™ PERMAPLUGS™, dual pole, rubber air lines
30-2276	15', ABS with WEATHER-TITE™ PERMAPLUGS™, dual pole, rubber air lines
30-2296	20', ABS with WEATHER-TITE™ PERMAPLUGS™, dual pole, rubber air lines

Zinc Die-Cast Plugs

Part No.	Description
30-2252	12', ABS with zinc die-cast plugs, dual pole, rubber air lines
30-2272	15', ABS with zinc die-cast plugs, dual pole, rubber air lines
30-2292	20', ABS with zinc die-cast plugs, dual pole, rubber air lines

4-IN-1 Electrical & Air Assemblies - With ISOFLEX™



1/8, 2/10 & 4/12 ga. ISO Applications

Straight ABS LECTRAFLEX™ 1/8, 2/10 & 4/12 ga with Zinc Die-Cast Plugs

Part No) .	Description
30-225	3	12', ABS with zinc die-cast plugs, ISOFLEX™, rubber air lines
30-227	'3	15', ABS with zinc die-cast plugs, ISOFLEX™, rubber air lines
30-229	3	20', ABS with zinc die-cast plugs, ISOFLEX™, rubber air lines

- ISOFLEX™ cable offers a twisted pair of brown and green wires to reduce radio noise for auxiliary connections
- · Heavy duty reinforced zinc die-cast plugs

ELECTRICAL CONNECTORS

STA-DRY® Socket (16-720)





Stainless steel hinge pin and spring*

Durable glass-filled nylon housing

Full-opening lid for easy plug insertion*

UNBREAKABLE lid, non-corrosive housing resists impact in cold weather

Elongated holes adapt to most mounting positions*



Inner cavity is sealed to prevent corrosion from passing through to wire harness

Slanted 5° for moisture drain*

Extended front barrel for additional cable support*



WEATHER-TITE™ PERMAPLUG™ (16-730)



* Standard on all Phillips sockets

** Standard on all Phillips plugs

Large finger grips for easy coupling/uncoupling**

UNBREAKABLE, non-corrosive housing

Floating brass pins for secure installation in misaligned sockets**

WEATHER-TITE™ SEAL



PLUGS

- · Large finger grips for ease of coupling/uncoupling
- Meets SAE J560 specifications (ISO meets ISO 3731)
- Floating brass pins for secure installation in misaligned sockets
- Extended housing for easy repair
- · Wire insertion on 7-way (non-blade), 6-way and
 - 4-way plugs

WEATHER-TITE™ PERMAPLUG™



Part No.	Description
16-730	WEATHER-TITE™ PERMAPLUG™

- WEATHER-TITE™ seal blocks all contaminants from entering the electrical system, creating a complete seal!
- · UNBREAKABLE, non-corrosive housing
- 360° ratcheting compression cable clamp
- Thread sealed screws prevent wire pull-out
- Spring-wrapped, machine crimped brass compression pins
- 15-715 replacement insert
- 5-750 replacement rubber seal
- Patent No. 8,192,216

Zinc Die-Cast Connectors



Part No.	Description
15-710	Heavy duty, reinforced zinc die-cast plug
15-730	Heavy duty, reinforced zinc die-cast plug with cable guard
15-730B	Heavy duty, reinforced zinc die-cast plug with cable guard, individually bagged

- · Thread sealed screws prevent wire pull-out
- · Spring-wrapped, machine crimped brass compression pins
- · Heavy duty, reinforced zinc die-cast housing
- · Strong cable guard to support heavy cables
- 15-731 replacement cable guard
- 15-711 replacement insert

ISO Connectors



Part No.	Description
15-830	ISO plug with cable guard

- · Replacement plug for ISO 3731 coiled and straight cables
- · Heavy duty reinforced zinc die-cast housing for durability
- · Male ground pin to prevent mis-connection
- Strong cable guard to support heavy cables
- 15-731 replacement cable guard
- 16-811 replacement insert

Cable Guard



Part No.	Description
15-731	Cable guard / replacement spring

- Heavy duty cable guard for 15-710, 15-730, 15-335, 15-336 and 15-830 plugs
- .090 galvanized steel wire
- · Prevents kinking and offers strain relief for electrical cables

QCP™ (Quick-Change Plug) Cartridge



Part No.	Description	
16-125	Replaceable cartridge	

- Plug-in replacement cartridge for QCP™ assemblies ONLY
- · High quality machined brass pins
- Floating brass pins for secure installation in mis-aligned sockets
- PUT ONE IN THE TOOL BOX OR GLOVE BOX AS A SPARE!

Replacement Inserts

6-Way		
Part No.	Description	
15-611	For Phillips 6 pin plugs	

7-Way		
Part No.	Description	
15-711	For standard Phillips pin SAE J560 plugs, black	
15-715	For Phillips WEATHER-TITE™ PERMAPLUG™	
16-811	For Phillips pin ISO 3731 plug, yellow	

- 15-611 fits Phillips 15-610 and 15-630 plugs
- 15-711 fits Phillips 15-710 and 15-730 plugs
- 15-715 fits Phillips 16-730 plugs
- 16-811 fits Phillips 15-830 plugs
- Floating brass pins for secure installation in mis-aligned sockets
- Thread sealed screws prevent wire pull-out



WEATHER-TITE™ PERMAPLUG™ Replacement Seal

Part No.	Description	
5-750	WEATHER-TITE™ PERMAPLUG™ replacement rubber seal, 2/bag	

- Thick rubberized sealing component for WEATHER-TITE™ PERMAPLUG™
- Three individual wiper rings
- Blocks all contaminants from entering the electrical system, creating a corrosion free connection
- · Easily replaceable



7-Way Blade Type Connector

Part No.	Description	
16-713	7-way blade connector	

- · Light duty truck and RV connections
- Non-corrosive housing
- Large finger grips for easy coupling/uncoupling
- · Brass contacts for superior conductivity
- Use with 16-714 socket



6 & 4-Way Connectors

6-Way		
Part No. Description		
15-610	6-way	
15-630	6-way plug with cable guard	

4-Way		
Part No.	Description	
15-410	4-way	
15-430	4-way plug with cable guard	

- · Heavy duty, reinforced zinc die-cast housing
- · Brass terminations for superior conductivity
- Rugged finger grips for easy coupling/uncoupling
- 15-611 replacement insert fits Phillips 15-610 and 15-630 plugs





4-Way Flat Connectors





Vehicle Side		
Part No.	Description	
15-413	48" flat, three female pins and one male	
15-414	60" flat, three female pins and one male	

Trailer Side		
Part No.	Description	
15-415	12" flat, three male pins and one female	
15-416	48" flat, three male pins and one female	

- · Common connection for light duty towing
- · Universal pin size and configuration
- · Molded connections for durability
- 18 ga. bonded wire
- Meets SAE J1239

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		
Part No.	Description	
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		
Part No.	Description Single pole plug	
15-335		

- · 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

Single Conductor Breakaway



Chassis G	round System	
Part No.	Description	
15-800	Black socket	
15-801	Red socket	
15-805	Black plug	
15-806	Red plug	

- · Ideal for dumptruck applications
- Breakaway plug/socket
- 10 ga. to 6 ga.
- 50 amp

VERTICAL DUAL POLE AUXILIARY PLUGS

Vertical Dual Pole Auxiliary Plugs

Part No.	Description	
15-338	4 ga. vertical dual pole plug	NEW
15-339	6 ga. vertical dual pole plug	NEW

- · For auxiliary applications utilizing a trailer battery pack
- · Pins are offset allowing for initial ground contact, preventing the potential
- 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



STA-DRY® SOCKETS

- Inner cavity sealed to prevent contaminants from passing to • Unbreakable housing and lid · Stainless steel hinge pin and spring
 - · Elongated holes for mounting adaptability
 - Meets SAE J560 specifications
 - All part numbers below have split brass pins
 - For solid pin sockets, please contact customer service

- wire harness · Non-corrosive housing
- · Resists magnesium chloride, salt, oil, grease and fuels
- Extended front barrel for additional cable support
- Slanted 5° for moisture drain

Wire Insertion

Part No.	Description
16-720	2-hole, wire insertion, split pin
16-720B	16-720, individually bagged

- Thread sealed screws prevent wire pull-out
- For added protection against moisture, use socket boot P/N 15-740





Ring & Bullet Termination

Part No.	Description
16-722	2-hole, ring termination, split pin
16-724	2-hole, bullet termination, split pin
16-725	3-hole, bullet termination, split pin
16-7222	2-hole, ring termination, solid pin
16-7242	2-hole, bullet termination, solid pin

- 16-722 and 16-7222 accept #8 ring terminals
- 16-724, 16-725 and 16-7242 accept .180 bullets
- 16-724 and 16-7242 recommended for use with Phillips QCS2®



ISO



Part No.	Description
16-822	2-hole, ring termination, ISO socket

- For ISO/auxiliary applications
- Meets ISO 3731 specifications
- · Female ground pin
- Use #8 ring terminals

Straight QCS2® Harness



	QCS2® (Quick-Change Socket)		
	Part No.	Description	
ĺ	16-7403	Straight back, 48" blunt-cut cable, includes socket	

Replacement Socket		
Part No.	D	escription
16-724	2-hole, bullet termination, re QCS2®	commended for use with Phillips

- Significantly reduces socket replacement time, lowering maintenance costs
- Molded housing includes integrated flange to seal out moisture and corrosion
- For use with standard ABS wiring system
- · Standard on most OEM trucks
- 6 o'clock position available
- · Contact customer service for blunt cut lengths

Straight QCS® Harness



QCS® (Quic	k-Change Socket)	
Part No.	De	escription
16-7401	Straight back, 48" blunt-cut o	able, includes socket
16-7421	6 o'clock, 48" blunt-cut cable	, includes socket

Replacement Socket		
Part No.	D	escription
16-726	2-hole, bullet with locking cli	p for Phillips QCS®

- · Significantly reduces socket replacement time
- For use with standard ABS wiring systems
- For use with most OEM configurations
- 3 o'clock and 12 o'clock positions available. Contact customer service for more details

ISO QCS® Harness

ISO QCS® (Quick-Change Socket)	
Part No.	Description
16-7402	Straight back, 48" blunt-cut cable, includes ISO socket
16-7422	6 o'clock, 48" blunt-cut cable, includes ISO socket

Replacement Socket		
Part No.	D	escription
16-826	2-hole, bullet termination wit recommended for Phillips IS	h locking clip, female ground pin, O QCS® only

- · For ISO/auxiliary applications
- Meets ISO 3731 specifications
- · Uses female ground pin
- 3 o'clock, 9 o'clock and 12 o'clock positions available. Contact customer service for more details.



QCS2® Extension Cable

Part No.	Description
16-74036	36" QCS2® straight LECTRAFLEX™ extension cable with QCMS2™

- Provides a 36 in. extension for your QCS2® as needed for applications such as bulkhead racks
- · For use with standard ABS wiring system
- The LECTRAFLEX™ cable jacketing is chemical and abrasion resistant and flexible from -40°F to 150°F (-40°C to 66°C)

QCMS2™

- A tight STA-DRY® seal locks out road contaminants, completely stopping the devastating effects of corrosion
- Plugs directly into the QCS® or QCS2® boot, replacing the need for a socket
- Bolts to QCS® or QCS2® boot creating a built in theft deterrent and is rarely removed further reducing the possibility of contaminants entering the electrical system

QCS2® Boot

- Works with QCS2[®] socket or QCMS2[™] electrical cable
- Molded housing includes integrated flange to seal out moisture and corrosion



ZINC DIE-CAST SOCKETS

7-Way Sockets



Part No.	Description
15-720	2-hole, wire insertion, split pin
15-720B	15-720, individually bagged
15-721	2-hole, wire insertion, solid pin
15-722	3-hole, wire insertion, split pin
15-724	Replacement insert for 15-720, 15-722, split pin
15-796	Replacement lid kit

- · Heavy duty, reinforced zinc die-cast housing
- Thread sealed screws prevent wire pull-out
- · Elongated holes for mounting adaptability
- · Stainless steel hinge pin and spring
- · Full-opening lid
- Reduce exposure to contaminants and moisture, use socket boot P/N 15-740

6 & 4-Way Sockets



15-400

6 Conductor		r	
Part No.		Description	
1	5-600	6-way, wire insertion, split pi	'n

4 Conductor		
Part No.	D	escription
15-400	4-way, wire insertion, split p	in

- · Heavy duty, zinc die-cast housing for durability
- · Elongated holes for mounting adaptability
- · Stainless steel hinge pin and spring for long life
- Full-opening lid
- Reduce exposure to contaminants and moisture, use socket boot P/N 15-640
- Closed back design

7-WAY BLADE SOCKET

7-Way Blade Socket



Part No.	Description
16-714	7-way blade socket

- Light duty truck and RV OEM connections
- · Non-corrosive housing for long life
- · Brass terminations for superior conductivity
- Mates with 16-713 plug

LIFTGATE CHARGING SOCKETS

- For liftgate applications utilizing a trailer battery pack
- · Stainless steel hinge pin and spring for long life
- 100 amp continuous capacity; 200 amp intermittent capacity (with exception to 15-320 & 15-326)
- · Zinc die-cast housing

Part No. Description 16-77712 STA-DRY® nosebox with single and dual pole socket

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

CHARGE-BOX™



Dual Pole Nosebox

Part No.	Description
16-77526	STA-DRY® nosebox with dual pole socket
15-77526	Zinc die-cast nosebox with dual pole socket

STA-DRY® HOUSING

- STA-DRY® nosebox housing is non-corrosive and impact resistant
- · Steel reinforced mounting collars
- Zinc die-cast socket for durability
- · Solid brass pins
- Circuit breaker not included
- · Assembly includes gasket and grommet

ZINC DIE-CAST HOUSING

- Zinc die-cast nosebox housing and socket for durability
- Solid brass pins
- · Circuit breaker not included
- Assembly includes gasket and grommet



S2™ Dual Pole Swivel Socket

Part No.	Description	
16-9326	Dual pole swivel socket with 24" blunt cut cable	
16-9328	Dual pole swivel socket with 24' (288") blunt cut cable	

- Socket swivels 80 degrees side to side (40 degrees each way), following the tractor
- Tested to over 1 million cycles
- Automatic disconnect feature prevents damage to liftgate charging cable and socket
- Steel brackets and swivel housing are coated with epoxy undercoat and polyester topcoat for ultimate resistance to harsh chemicals
- · Zinc die-cast socket for durability
- Includes butt splices or copper lugs and heat shrink tubing for ease of installation

16-9326 Includes:

8-4920: (2) butt splice 6-212: (1) 6 in. black heat shrink tubing

16-9328 Includes:

8-2121: (1) 4 ga. x 1/4 in. copper lug 8-2122: (1) 4 ga. x 5/16 in. copper lug 8-2123: (1) 4 ga. x 3/8 in. copper lug 6-404: (1) 1-1/2 in. black heat shrink tubing 6-405: (1) 1-1/2 in. red heat shrink tubing



Dual Pole Socket



Part No.	Description
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

S1™ Single Pole Swivel Socket



Part No.	Description	
16-9322	Single pole swivel socket with 24" blunt cut cable	
16-9324	Single pole swivel socket with 24' (288") blunt cut cable	

- Socket swivels 80 degrees side to side (40 degrees each way), following the tractor
- Tested to over 1 million cycles
- Automatic disconnect feature prevents damage to liftgate charging cable and socket
- Steel brackets and swivel housing are coated with epoxy undercoat and polyester topcoat for ultimate resistance to harsh chemicals
- · Zinc die-cast socket for durability
- Includes butt splices or copper lugs and heat shrink tubing for ease of installation

16-9322 Includes:

8-4920: (1) butt splice 6-212: (1) 6 in. black heat

shrink tubing

16-9324 Includes:

8-2121: (1) 4 ga. x 1/4 in. copper lug 8-2122: (1) 4 ga. x 5/16 in. copper lug 6-405: (1) 1-1/2 in. red heat shrink tubing

Single Pole Socket



Part No.	Description
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

Part No.	Description	
15-328	Vertical dual pole socket	NEW

- 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



SOCKET ACCESSORIES

Foam Socket Seal

Part No.	Description	
15-795	Corrosion prevention gaskets, 2/bag	
15-7955	Corrosion prevention gaskets, 50/bag	
80-795	Corrosion prevention gaskets, 200 count, display bucket	

- Insert foam seal into base of socket to help stop corrosion
- Easy and inexpensive way to slow the devastating effects of corrosion



Lid Replacement Kits

Part No.	Description		
15-796	Zinc die-cast - for socket and socketbreaker housing		
16-797	Black - for ISO 3731 housings		
16-798	Gray - for socketbreaker housings		
16-799	Black - for socket housings		

- · Includes lid, stainless steel hinge pin and spring
- 16-797, 16-798 and 16-799 are for use with STA-DRY® sockets



Socket Boot

Part No.	Description	
15-640	Fits 15-400 and 15-600	
15-740	Fits 15-320, 15-720, 15-721, 15-722, 16-720, 16-721, 16-722, 16-822	



Replacement Gasket

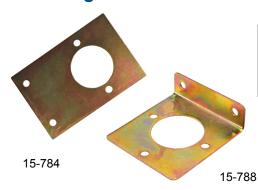


15-798

Part No.	Description	
15-798	2-hole mount socket mounting gasket	

Replaceable closed cell sponge gaskets for sockets

Mounting Bracket



Part No.	Description		
15-784	Flat, fits all 7-way sockets, 15-720, 15-721, 15-722, 15-326 and 15-320		
15-788	90°, fits all 7-way sockets 15-720, 15-721, 15-722, 15-326 and 15-320		
63-2724 Fits RV 7-way blade type 16-714			

STA-DRY® TRAILER WIRE MANAGEMENT



STA-DRY® S7TM



16-724

The industry's ONLY swivel socket designed to completely eliminate pull-away damage!



Top 20 Products of 2013!

Part No.	Description		
16-9500	Swivel socket without junction box	Swivel socket without junction box	
16-9510	Nosebox without circuit breakers		
16-9520	Nosebox with 20 amp circuit breakers		
16-9530	Nosebox with 30 amp circuit breakers		
16-9515	STA-DRY® S7™ replacement lid *		

- Socket swivels 80° side to side (40° each way), following the tractor
- · Automatic disconnect feature eliminates damage to all components
- Features our award-winning QCS2® (Quick-Change Socket), for fast and easy socket replacement
- Over 50% more interior room keeps trailer wires organized and pinch-free
- Quick-change 20 amp (P/N 53-120) and 30 amp (P/N 53-130) circuit breakers
- Durable weather-resistant housing
- Interior wiring sealed against corrosion, chemicals and extreme weather
- · U.S. patent pending
- NOW AVAILABLE WITH PERMALOGIC™
- STA-DRY® S7[™] QCS2® replacement kits available. See part numbers 16-7890, 16-7891 and 16-795 for more details.
- *Replacement lid not available for the S7™ with PERMALOGIC™

STA-DRY[®] S7[™] System

Part No.	Description	
16-95140	Nosebox without circuit breakers, anodized swinger gladhands, galvanized mounting plate	
16-95240	Nosebox with 20 amp circuit breakers, anodized swinger gladhands, galvanized mounting plate	
16-95340	Nosebox with 30 amp circuit breakers, anodized swinger gladhands, galvanized mounting plate	



- S7[™] socket swivels 80° side to side (40° each way)
- Gladhand swivels 180° without kinking air line!
- The automatic disconnect feature eliminates damage to all components
- All components offer superior corrosion protection
- Mounting plate measures 11 in. x 21 in. and comes with pre-drilled trailer mounting holes (Part Number 15-7895)
- Trailer mounting area needed to accommodate entire S7™ System: Approximately 12 1/4 in. x 24 in.
- STA-DRY® S7™ QCS2® replacement kit with ring terminals available. See part numbers 16-7890 and 16-7891 for more details
- NOW AVAILABLE WITH PERMALOGIC™
- STA-DRY® S7™ replacement lid available, part number 16-9515 (Not available for the S7™ with PERMALOGIC™)
- STA-DRY® S7™ QCS2® replacement kits available. See part numbers 16-7890, 16-7891 and 16-795 for more details.



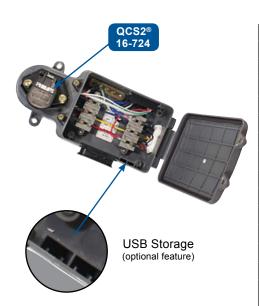
STA-DRY® S7™ System Mounting Plate

Part No.	Description	
15-7895	Hot dipped galvanized mounting plate	

- Hot dipped for extra corrosion protection
- Pre-drilled mounting holes for STA-DRY® S7[™] and gladhands
- Pre-drilled trailer mounting holes
- Measure 11 in. x 21 in.



i-BOX™



PERMALOGIC™ and PERMALOGIC™ TC

(optional feature)









Dome lamps are on

Liftgate battery is charging (16-7812TC only)

Normal conditions/ Trailer dome lamps are off







Constant - low voltage Flashing - low voltage shut-off

 Features our award-winning QCS2® (Quick-Change Socket), for fast and easy socket replacement

Description

Over 2/3 more working room than traditional noseboxes

Without circuit breakers

With 15 amp circuit breakers

With 20 amp circuit breakers

With 30 amp circuit breakers

Without circuit breakers, with PERMALOGIC™

With 15 amp circuit breakers and PERMALOGIC™

With 20 amp circuit breakers and PERMALOGIC™

With 30 amp circuit breakers and PERMALOGIC™

With 15 amp circuit breakers and 1 USB memory slot

With 20 amp circuit breakers and 1 USB memory slot

With 30 amp circuit breakers and 1 USB memory slot

Without circuit breakers, with PERMALOGIC™ and 1 USB

i-BOX™ replacement lid repair kit - lid, hinge pin, (2) bolts, and

With 15 amp circuit breakers, PERMALOGIC™ and 1 USB memory slot

With 20 amp circuit breakers, PERMALOGIC™ and 1 USB memory slot

With 30 amp circuit breakers, PERMALOGIC™ and 1 USB memory slot

Without circuit breakers, with 1 USB memory slot

With 20 amp circuit breakers and PERMALOGIC™ TC

- Quick-change 15 amp (P/N 53-115), 20 amp (P/N 53-120) and 30 amp (P/N 53-130) circuit breakers available
- · Large ground for more consistent power to the trailer
- · Durable, weather-resistant housing

memory slot

gasket seal

- · Hinged lid with weather-proof gasket for easy access and convenience
- U.S. Patent No. D589,456
- Replacement lid available
- i-BOX™ QCS2® replacement kit with ring terminals available. See part number 16-7840 for more details.

Optional Features:

Part No.

16-7800

16-7801

16-7802

16-7803

16-7810

16-7811

16-7812

16-7812TC

16-7813

16-7820

16-7821

16-7822

16-7823

16-7830

16-7831

16-7832

16-7833

16-780

- Our award-winning PERMALOGIC™ Trailer Dome Lamp Controller
- USB memory stick to store important trailer schematics, bills of material maintenance documents, etc.
- QCS2® (Quick-Change Socket) available with solid or split pins

QBOXTM

Part No.	Description	
16-8510	Without circuit breakers	
16-8511	With 15 amp circuit breakers	
16-8512	n 20 amp circuit breakers	
16-8513	With 30 amp circuit breakers	
16-850	QBOX™ replacement lid repair kit - lid, (4) bolts, and gasket seal	



- \bullet Features our award-winning QCS2 $^{\circledR}$ (Quick-Change Socket), for fast and easy socket replacement
- Over 50% more interior room keeps trailer wires organized and pinch-free
- Quick-change 15 amp (P/N 53-115), 20 amp (P/N 53-120) and 30 amp (P/N 53-130) circuit breakers available
- Durable, weather-resistant housing
- Interior wiring sealed against corrosion, chemicals and extreme weather
- Replacement lid available
- QBOX™ QCS2® replacement kit with ring terminals available. See part number 16-7842 for more details.

VOLT-BOX™

Part No.	Desc	ription	
16-8000	VOLT-BOX™ 7-way nosebox, with	hout circuit breakers, split pin	
16-80002	VOLT-BOX™ 7-way nosebox, with	hout circuit breakers, solid pin	
 STA-DRY® I chemicals an Features the made with In with intercha Available with Can be used standard 7-v Offers more for easier with Measurement wide x 3.02 in J560 Socket Stainless staultimate corr 	sign fits tight space constraints nousing is resistant to impact, and harsh environments industry standard QCS2® industry standard QCS2® industry standard qCS2® industry standard poles the split or solid pin do for retrofit and features the way trailer mounting bolt pattern interior room than the competition are maintenance ints: 6.5 in. high x 5.8 in. in. deep and QCS2® it protrudes 1.5 in. from housing the per mounting carriage bolts for rosion resistance the PERMALOGIC™	STA-DRY® housing is resistant to impact, chemicals and harsh environments Keeps wires organized	PHILIPS
		STA-DRY® QCS2® for fast and easy socket replacement!	

REPLACEMENT KITS

STA-DRY® QCS2® Replacement Kit With Ring Terminals



STA-DRY® S7™		
Part No.	Description	
16-7890	S7™ QCS2® (Quick-Change Socket) replacement kit, with ring terminals, for junction box with circuit breakers	
16-7891	S7™ QCS2® (Quick-Change Socket) replacement kit, with ring terminals, for junction box without circuit breakers	

i-BOX™	
Part No.	Description
16-7840	i-BOX™ QCS2® (Quick Change Socket) replacement kit, with ring terminals for junction box with or without circuit breakers, 3" white wire



QBOX™						
Part No. Description						
16-7842	QBOX [™] QCS2 [®] (Quick Change Socket) replacement kit, with ring terminals for junction box with or without circuit breakers, 9" white wire					

- Significantly reduces socket replacement time, lowering maintenance costs
- Molded housing includes integrated flange to seal out moisture and corrosion
- · For use with standard ABS wiring systems
- Includes QCS2® socket (P/N: 16-724) with split pins
- Standard #10 ring terminals for easy mounting to studs
- 16-7890 compatible with STA-DRY® S7™ PERMALOGIC™ products
- 16-7840 compatible with i-BOX™ PERMALOGIC™ products

STA-DRY® S7™ QCS2® Replacement Kit With SLIM-7™



Part No.	Description		
16-795	S7™ QCS2® (Quick-Change Socket) replacement kit, with SLIM-7™, for swivel socket without junction box		

- Significantly reduces socket replacement time, lowering maintenance costs
- Molded housing includes integrated flange to seal out moisture and corrosion
- · For use with standard ABS wiring systems
- Includes QCS2® Socket (P/N: 16-724) with split pins
- Molded SLIM-7[™] female harness connector

STA-DRY® SOCKETBREAKERS



- Sealed to prevent contaminants from passing to wire harness Raised interior ribs for moisture exit
- · Non-corrosive housing
- · Stainless steel hinge pin and spring for long life
- Quick-change circuit breakers can be replaced in 30 seconds
- · Includes neoprene closed cell sponge mounting gaskets
- Full-opening lid

Without No	osebox	
Part No.	Description	
16-760	Without circuit breakers, split pins	
16-761	With 15 amp circuit breakers, split pins	
16-762	With 20 amp circuit breakers, split pins	
16-763	With 30 amp circuit breakers, split pins	

With STA-E	ORY® Nosebox*			
Part No.	Description			
16-77029	Without circuit breakers, solid pins, with STA-DRY® nosebox			
16-7709	Without circuit breakers, split pins, with STA-DRY® nosebox			
16-77229	With 20 amp circuit breakers, solid pins, with STA-DRY® nosebox			
16-7729	With 20 amp circuit breakers, split pins, with STA-DRY® nosebox			
16-7739	With 30 amp circuit breakers, split pins, with STA-DRY® nosebox			

^{*}Includes 3 1/2 in. deep nosebox (16-775)

7-Way Socketbreakers



Quick-change circuit breakers

· Allows up to 5 ground circuits

7-Way Socketbreakers with 28 Pin Rear

Part No.	Description			
16-7602-28	28-pin, solid pins, without circuit breakers			
16-7612-28	28-pin, solid pins, 15 amp circuit breakers			
16-7622-28	28-pin, solid pins, 20 amp circuit breakers			
16-7632-28	28-pin, solid pins, 30 amp circuit breakers			
16-7709-28	28-pin, split pins, single nosebox*, without circuit breakers			
16-7719-28	28-pin, split pins, single nosebox*, 15 amp circuit breakers			
16-7729-28	28-pin, split pins, single nosebox*, 20 amp circuit breakers			
16-7739-28	28-pin, split pins, single nosebox*, 30 amp circuit breakers			
16-77029-28	28-pin, solid pins, single nosebox*, without circuit breakers			
16-77229-28	9-28 28-pin, solid pins, single nosebox*, 20 amp circuit breakers			
16-77329-28	28-pin, solid pins, single nosebox*, 30 amp circuit breakers			

^{*}Includes 3 1/2 in. deep nosebox (16-775)



- Allows up to 4 connections on 1 circuit
- Accepts .180 bullet terminals

ISO Socketbreakers

Part No.	Description			
16-860	/ithout circuit breakers, solid pins with female ground pin			
16-861	Vith 15 amp circuit breakers, solid pins with female ground pin			
16-862	With 20 amp circuit breakers, solid pins with female ground pin			
16-863	With 30 amp circuit breakers, solid pins with female ground pin			

- · When 7 circuits are not enough
- Reverse ground pin ensures the correct cable is connected
- For ISO/auxiliary applications
- Meets ISO 3731 specifications
- · Allows up to 5 ground circuits
- · For use with yellow-jacket cables



Quick-change circuit breakers

STA-DRY® ZINC DIE-CAST SOCKETBREAKERS

- · Meets SAE J560 specifications
- · Stainless steel hinge pin and spring
- Full-opening lid
- STA-DRY® feature seals to prevent moisture and contaminants from entering the harness system
- · Raised interior ribs for moisture exit
- · Includes neoprene closed cell sponge mounting gaskets
- Quick-change circuit breakers can be replaced in 30 seconds



7-Way Low Profile





Quick-change circuit breakers

Part No.	Description			
15-750	Vithout circuit breakers, split pin			
15-751	With 15 amp circuit breakers, split pin			
15-752	With 20 amp circuit breakers, split pin			
15-753	753 With 30 amp circuit breakers, split pin			

- For container chassis, piggy-back and intermodal trailers where flush applications are required
- Circuit breaker designed to be serviced in 30 seconds
- Allows up to 5 ground circuits

7-Way Extended Barrel





Quick-change circuit breakers

Part No.	Description			
15-760	Vithout circuit breakers, split pin			
15-7602	Vithout circuit breakers, solid pin			
15-761	With 15 amp circuit breakers, split pin			
15-762	With 20 amp circuit breakers, split pin			
15-7622	With 20 amp circuit breakers, solid pin			
15-763	With 30 amp circuit breakers, split pin			

- · Designed to support ABS cable weight
- Circuit breaker designed to be serviced in 30 seconds
- · Allows up to 5 ground circuits

7-Way Socketbreaker with Nosebox



		Nosebox -	1 7/8" Deep	
		Part No.	D	escription
•		15-7609	Without circuit breakers, split pin	
		15-7619	With 15 amp circuit breakers	s, split pin
		15-7629	With 20 amp circuit breakers	s, split pin
/-/	1	15-7639	With 30 amp circuit breakers	s, split pin

- 1 7/8 in. or 3 1/8 in. deep zinc die-cast nosebox
- · Fits standard mounting holes
- · Includes mounting hardware for socketbreaker to nosebox

Nosebox - 3	3 1/8" Deep	
Part No. Description		
15-78029	Without circuit breakers, solid pin	
15-7809	Without circuit breakers, split pin	
15-7819	With 15 amp circuit breakers, split pin	
15-7829	With 20 amp circuit breakers, split pin	

NOSEBOXES, ACCESSORIES, & FUSES

STA-DRY® Nosebox

Part No.	Description			
16-775	ngle cavity nosebox kit, 3 1/2" deep with gasket			
16-777	Oual cavity nosebox kit, 3 1/2" deep with backplate			
16-779	Single cavity nosebox kit, 2 1/2" deep with backplate			

- Non-corrosive, nylon housing
- For use with 15 series or 16 series socketbreakers
- Impact-resistant
- · Steel reinforced mounting collars
- Kit includes grommet and socketbreaker mounting hardware



Zinc Die-Cast Nosebox

Part No.	Description
15-775	Zinc die-cast nosebox kit

- 55% more interior space than the 15-769
- · Larger interior space allows for easier access and maintenance
- 3 1/8 in. deep
- Fits 15 series and 16 series socketbreakers
- Standard hole pattern
- Kit includes gasket, grommet and socketbreaker mounting hardware
- Does not include nosebox mounting hardware



Zinc Die-Cast Nosebox Kit

Part No.	Description
15-769	Zinc die-cast nosebox kit

- 1 7/8 in. deep
- For use with 15 series or 16 series socketbreakers
- · Kit includes gasket, grommet and socketbreaker mounting hardware
- Does not include nosebox mounting hardware



Adapter Plate

Part No.	Description
15-770	Adapter, powder-coated, 10 ga. steel

- Allows standard socket to mate with a nosebox
- Can be used on single and dual noseboxes



Replacement Face Plates



Part No.	Description
15-755	Low profile face plate for 15-750, 15-751, 15-752, 15-753
15-773	Extended barrel face plate for 15-760, 15-761, 15-762, 15-763

- · Zinc die-cast
- · Stainless steel hinge pin and spring

Replacement Gaskets & Grommets







Part No.	Description
15-765	D-shaped grommet for junction box (15-769 and 15-961)
15-766	Socketbreaker mounting gasket
15-767	Nosebox mounting gasket

· Closed cell sponge gaskets

Replacement Circuit Breakers



Part No.	Description
53-115	15 amp
53-120	20 amp
53-130	30 amp

- Longer "hot" leg for correct and easy installation
- SAE snap-in type, includes nuts and washers
- Copper leg mounts to copper strip in socketbreaker
- Meets SAE J553 standard

High Capacity Circuit Breakers



Part No.	Description
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

In-Line ATO/ATC Fuse Holder with Case



Part No.	Description
54-350	In-line ATO/ATC fuse holder with case

- 30 amp in-line fuse holder for ATO/ATC fuses
- Includes water resistant cap
- 12 ga. wire is 5 1/2 in. long
- Includes 30 amp fuse

TRAILER ADAPTERS

- For light duty and RV trailer applications
- Indestructible molded PVC
- · High impact resistance

7-Way Blade to 6-Way Round Adapter

Part No.	Description
63-0176	7-way blade to 6-way round adapter, with center auxiliary pin
63-0177	7-way blade to 6-way round adapter, with center brake pin









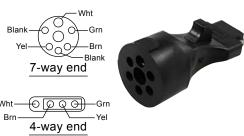
7-Way Blade to 4-Way Flat Adapter

Part No.	Description
63-0174	7-way blade to 4-way flat adapter



7-Way Round to 4-Way Flat Adapter

Part No.	Description
63-0074	7-way round to 4-way flat adapter



6-Way Round to 4-Way Flat Adapter

Part No.	Description
63-0064	6-way round to 4-way flat adapter



JUNCTION BOXES

Junction Box



Part No.	Description
15-960	Black junction box
15-961	CLEAR-VU™ grey junction box

- · Larger junction box accepts ABS cable and additional wiring
- Ring termination
- Pass-through grommets accommodate up to .80 O.D. cable
- Seven #10 stud posts
- Hole pattern is 7.37 in. center to center
- Box measures approximately 6 5/8 in. long x 3 3/4 in. wide x 2 1/2 in. deep at its widest points

Quick-Connect Junction Box



Part No.	Description
15-860	10" pigtail with packard plus 4-way flat connectors
15-861	10" pigtail with packard connector
15-865	Replacement lid and pin

- · Easily adaptable to most trailer wiring systems
- · Perfect for rental vehicles

HEAVY DUTY LIFTGATE SOLENOIDS

Intermittent Duty



Part No.	Volt	Amps	Inrush Amps
54-130	12 VDC	80	200

- Intermittent duty, 10 seconds on / 60 seconds off
- · Chassis ground
- · For liftgate applications

Continuous Duty

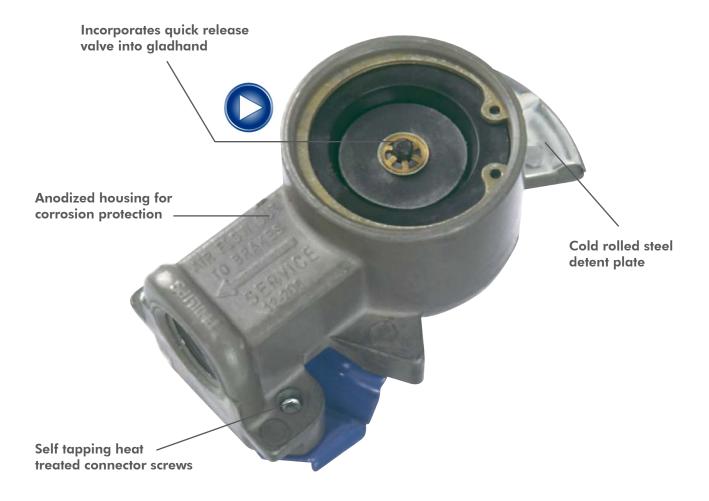


Part No.	Volt	Amps	Inrush Amps
54-140	12 VDC	80	200

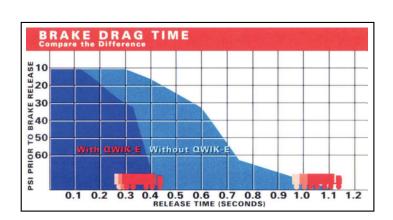
- · Continuous duty
- External ground
- For liftgate applications

AIR CONNECTORS

QWIK-E® Gladhand



Trailer brakes are released up to 50% faster than with conventional methods!



QWIK-E® GLADHANDS

- Trailer brakes are released up to 50% faster than with conventional methods
- Quick-release valve and gladhand combined
- Reduces tire flat spots
- Anodized housing for corrosion protection
- For use with ABS and non-ABS brake systems
- By reducing brake lining and drum wear, thousands of dollars are saved over the life of the trailer

QWIK-E® Gladhands





Straight Mount		
Part No.		Description
12-206	Service, blue, 1/2" female	pipe thread without filter screen
12-2061	Service, blue, 1/2" female	pipe thread with filter screen
12-206B	Service, blue, 12-206, ind	ividually packaged, polybag

· Standard equipment on most OEM trailers

· Meets SAE J318 specifications

• Improves response time of brake release - drivers love it!

For use on trailer service lines only

Trailer Mount	
Part No.	Description
12-236	Service, blue, 3/8" female pipe thread bottom port
12-2361	Service, blue, 3/8" female pipe thread bottom port with filter screen
12-23617	Service, blue, 3/8" female pipe thread rear port with filter screen
12-2367	Service, blue, 3/8" female pipe thread rear port
12-236B	Service, blue, 12-236, individually packaged, polybag

· For use on trailer service lines only

QWIK-E® Service Kit



Part No.	Description
12-226	Repair service kit

• Kit includes breather valve, polyurethane seal, snap ring and gasket

Quick Exhaust Valve



Part No.	Description
12-810	Trailer side
12-811	Tractor side

- Provides quick exhaust of trailer's service air brake pressure
- · Tractor side hooks to the tractor protection value
- · Zinc die-cast

Quick Release Valve



Part No.	Description
12-800	3/8" x 3/8" x 3/8"
12-801	1/2" x 3/8" x 3/8"

- Aluminum die-cast housing for corrosion resistance
- 150 psi maximum
- Crack pressure 0.5 PSI

STANDARD GLADHANDS

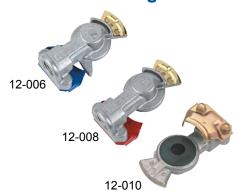
- Wrap-around connector plate provides additional strength
- Powder-coated connector plate for corrosion resistance
- · Zinc-coated detent plates
- E-coated screws for corrosion protection
- Meets SAE J318 specifications

- Stainless steel detent plates and connector plates available, please contact customer service
- · Service and emergency keyed to prevent cross coupling

Straight Mount

Part No.	Description
12-006	Service, blue, 1/2" female pipe thread
12-0061	Service, blue, with filter screen, 1/2" female pipe thread
12-006B	Service, blue, 1/2" female pipe thread, individually packaged
12-008	Emergency, red, 1/2" female pipe thread
12-0081	Emergency, red, with filter screen, 1/2" female pipe thread
12-008B	Emergency, red, 1/2" female pipe thread, individually packaged
12-010	Universal, 1/2" female pipe thread
12-010B	Universal, 1/2" female pipe thread, individually packaged

- For use on air coil, tractor and trailer
- Many more options available ask your sales representative or customer service



Trailer Mount (38°)

Part No.	Description
12-136	Service, blue, bottom port, 3/8" female pipe thread
12-1361	Service, blue with filter screen, bottom port, 3/8" female pipe thread
12-13617	Service, blue, with filter screen, rear port, 3/8" female pipe thread
12-138	Emergency, red, bottom port, 3/8" female pipe thread
12-1381	Emergency, red, with filter screen, bottom port, 3/8" female pipe thread
12-13817	Emergency, red, with filter screen, rear port, 3/8" female pipe thread

· For use on trailer



Cast Iron

Part No.	Description
12-406	Service, blue polyurethane seal, 1/2" female pipe thread
12-408	Emergency, red polyurethane seal, 1/2" female pipe thread
12-410	Universal, black polyurethane seal, 1/2" female pipe thread
12-41010	Universal, black polyurethane seal with dust flaps and screen, 1/2" female pipe thread

- Cast iron for durability
- · Integrated connector plate
- · Spring-loaded ball lock
- Polyurethane seal
- Meets SAE J318 specifications



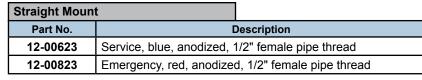
CORROSION-RESISTANT GLADHANDS

- · Anodized for increased protection against magnesium chloride, road salts and chemicals
- · Designed for highly corrosive operating conditions
- Wrap-around connector plate provides additional strength
- Powder-coated connector plate for corrosion protection
- Zinc-coated detent plates
- · Meets SAE J318 specifications
- · Stainless steel detent plates and connector plates available, please contact customer service
- Service and emergency keyed to prevent cross coupling

Anodized Gladhands







For use on air coil, tractor and trailer





6
12-13823

Trailer Mou	ınt		
Part No.		Description Service, blue, bottom port, anodized, 3/8" female pipe thread	
12-13623	3		
12-13823	3	Emergency, red, bottom port, anodized, 3/8" female pipe thread	

SPECIALTY GLADHANDS

STA-LOCK™ Gladhands



Part No.	Description	
12-340	Universal, 1/2" female pipe thread	
12-346 Service, blue, 1/2" female pipe thread		
12-348 Emergency, red, 1/2" female pipe thread		

- Durable cast iron connector plate
- · Aluminum body to save weight
- · Stainless steel ball-bearing provides a positive lock for gladhand mating
- · Service and emergency keyed to prevent cross coupling
- Meets SAE J318 specifications

LATCH-IT™ Gladhands



Part No.	Description	
12-1119 Universal, 1/2" female pipe thread		
12-1169 Service, blue, 1/2" female pipe thread 12-1189 Emergency, red, 1/2" female pipe thread		

• HELPS PREVENT ACCIDENTAL GLADHAND DISCONNECTIONS

- Patented latch provides a positive lock
- · Easy-grip feature ensures fast coupling/uncoupling, even with gloves
- · Powder-coated for easy identification
- · Stainless steel connector plate and spring for longevity
- Polyurethane seal
- Meets SAE J318 specifications
- · Service and emergency keyed to prevent cross coupling

Swinger Gladhands

Part No.	Description	
12-4506	45° with service gladhand, blue, 3/8" female pipe thread, bottom	
12-4508	45° with emergency gladhand, red, 3/8" female pipe thread, bottom	
12-450623	45° with anodized service gladhand, blue, 3/8" female pipe thread, bottom	
12-450823	45° with anodized emergency gladhand, red, 3/8" female pipe thread, bottom	
12-4546	45° with cast iron service gladhand, blue, 3/8" female pipe thread, bottom	
12-4548	45° with cast iron emergency gladhand, red, 3/8" female pipe thread, bottom	
12-4526	45° with QWIK-E® gladhand, blue, 3/8" female pipe thread, bottom	



- GLADHAND SWIVELS 180° WITHOUT KINKING AIR LINE!
- When not in use, gladhand is automatically returned to seal, protecting the air lines
- Designed for intermodal and piggy-back trailers where straight or angled gladhands are exposed to damage
- · Anodized for increased protection against magnesium chloride, road salt and chemicals
- · Stainless steel return spring for long life

STA-LOCK™ Cast Iron Swinger Gladhands

Part No.	Description	
12-4906	90° with service gladhand, blue, 3/8" female pipe thread, bottom	
12-4908	90° with emergency gladhand, red, 3/8" female pipe thread, bottom	

- GLADHAND SWIVELS 180° WITHOUT KINKING AIR LINE!
- Stainless steel ball-bearing provides a positive lock for gladhand mating
- · Cast iron for durability
- Stainless steel return spring for long life
- When not in use, gladhand is automatically returned to seal, protecting the air system
- Designed for intermodal and piggy-back trailers where straight or angled gladhands are exposed to damage
- Meets SAE J318 specifications



Shut-Off Gladhands

Bulkhead Mount		
Part No.		Description
12-306	Service, blue, 3/8" female	pipe thread
12-308	Emergency, red, 3/8" fem	ale pipe thread

Surface Mount		
Part No. Description		Description
12-336	Service, blue, 3/8" female pipe thread	
12-338	Emergency, red, 3/8" fem	ale pipe thread

- · For double trailers
- Comes standard with 12-0167-25 dust flap poly seal and 12-038 filter sreen
- · Includes bulkhead fitting
- Integrated shut-off valve or arm
- · Color-coded connector plate for easy identification
- Meets SAE J318 specifications



12-338

Composite Shut-Off Gladhands



Surface Mount		
Part No. Description		
12-316	Service, blue, 3/8" female	pipe thread
12-318	Emergency, red, 3/8" fem	ale pipe thread

Bulkhead Mount Part No. Description 12-326 Service, blue, 3/8" female pipe thread		
		Description
		pipe thread
12-328	Emergency, red, 3/8" fem	ale pipe thread

- · For double trailers
- Composite material for increased protection against magnesium chloride, road salts and chemicals
- Integrated shut-off arm to seal air system
- Molded in color for easy identification
- Standard with 12-0167-25 dust flap poly seal and 12-038 filter screen
- Patent No. 5,348,043
- Meets SAE J318 specifications

Economy Shut-Off "Dummy" Gladhand



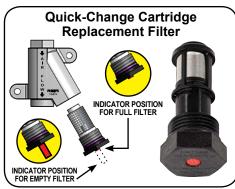
	Part No.	Description	
12-0100 Economy shut-off "dummy" gladhand, alum		Economy shut-off "dummy" gladhand, aluminum	

- · Inexpensive way to seal rear gladhands for double trailers
- · Provides air-tight shut-off
- 18 in. cable with ring terminal

AIR ACCESSORIES

AIR-DEFENSE™ System With Quick-Change CartridgeTrailer Air Brake In-Line Filtration System





Part No.	Description AIR-DEFENSE™ System	
12-815		
12-035 Quick-Change Cartridge - replacement filter		

- Debris is trapped in the Quick-Change Cartridge of the AIR-DEFENSE™ System, reducing debris entering the trailer air lines and brake valves
- The Quick-Change Cartridge features a bypass mode which ensures full airflow at all times, even when the filter is clogged
- Visual service indication: Red indicator (non-resettable) notifies mechanic or operator that it's time to replace dirty air filter cartridge
- The cartridge is replaceable in minutes and en route; simply unscrew the old filter cartridge and replace with a new one
- · Can be used on both service and emergency lines
- 1/2" NPTF top and bottom ports
- Designed and assembled in the U.S.A.
- The AIR-DEFENSE™ System with Quick-Change Cartridge is intended to be installed between the trailer gladhands and the airlines to the brake valves
- Patent Pending

Gladhand Seals

Part No.	Description	Qty.
12-011-25	Narrow lip, rubber	25
12-011-100	Narrow lip, rubber	100
12-012-25	Wide lip, tapered base for easy insertion, rubber	25
12-012-100	Wide lip, tapered base for easy insertion, rubber	100
12-0161-25	Blue (service), polyurethane	25
12-0161-100	Blue (service), polyurethane	100
12-0162-25	Red (emergency), polyurethane	25
12-0162-100	Red (emergency), polyurethane	100
12-0163-25	Black (universal), poyurethane	25
12-0163-100	Black (universal), poyurethane	100
12-0164-04	Retail pack, 2 red, 2 blue, polyurethane	4
12-0164-100	Retail pack, 50 red, 50 blue, polyurethane	100
12-0167-25	With dust flap, gray polyurethane (must be used with filter screen)	25
12-0167-100	With dust flap, gray polyurethane (must be used with filter screen)	100
80-012	Gladhand seal bucket - wide lip, tapered base for easy insertion, rubber	200
80-0161	Gladhand seal bucket - blue (service), polyurethane	200
80-0162	Gladhand seal bucket - red (emergency), polyurethane	200
80-0163	Gladhand seal bucket - black (universal), poyurethane	200
80-0164	Gladhand seal bucket - 100 count blue (service), polyurethane and 100 count red (emergency), polyurethane	200
80-0167	Gladhand seal bucket - with dust flap, gray polyurethane (must be used with filter screen)	200





12-0161-25; 12-0161-100

12-0162-25; 12-0162-100







12-012-25; 12-012-100

12-011-25; 12-011-100

12-0163-25; 12-0163-100



12-0167-25; 12-0167-100 must be used with filter screen



- Fits all industry standard gladhands
- · Available in rubber and polyurethane
- Polyurethane available in blue and red to denote service and emergency
- Gladhand seal buckets available for countertop display or easy storage in the shop

Gladhand Filter Screens

Part No.	Description
12-038	Fits gladhand part numbers 12-006, 12-008, 12-010, 12-136, 12-138
12-039	Fits QWIK-E [®] gladhand part numbers 12-206, 12-236

• 12-038 meets Ontario, Canada special regulations





12-038

Coiled Air Gladhand Extensions

Part No.	Description
12-600	Pair (red and blue), clamshell
80-600	Display, includes 9 pairs of 12-600, display rack and header card

- Provides strong leverage for coupling/uncoupling gladhands
- · Durable and strong; made of solid machined aluminum
- One-piece body for easy installation
- Bright, corrosion-resistant anodized color coating
- · Easy installation Installs between air coil and gladhand
- · Heavy diamond knurl for outstanding grip





12-600

Rubber Air Grips





Part No.	Description
12-606	Service, blue
12-608	Emergency, red
12-610	Universal, black

- · Color-coded for easy identification
- · One-piece body for easier installation
- Can be used on both straight air lines and Phillips POWER GRIP™ coiled air

Air Coil QWIK-REPAIR™ Kit



Part No.	Description	
12-911	Air Coil QWIK-REPAIR™ kit	K

12-911 Contents:

Description	Qty.
Economy nylon air tube cutter (P/N 12-90003)	1
1/2" QWIK-FIT™ straight union composite fitting with o-rings	1
1/2" QWIK-FIT™ brass male fitting with o-rings	1

- For use with 1/2 in. O.D. air tubing
- Contents will repair (1) one brass fitting on coiled assembly
- Contents makes (1) one repair to damaged portion of coiled assembly
- · Easy to install and reduces downtime
- · Includes instructions
- Fittings meet SAE and DOT specifications
- Great addition to your Phillips CSA QWIK-FIX™ kit!

Rubber Air QWIK-REPAIR™ Kit



Part No.	Description
12-050	QWIK-REPAIR™ kit, 3/8" rubber hose I.D., 1/2" fittings
12-052	QWIK-REPAIR™ kit, 3/8" rubber hose I.D., 3/8" fittings

- For 3/8 in. I.D. rubber air lines
- · Easy to install
- Reduces downtime
- · Contents will make two repairs
- Great addition to your Phillips CSA QWIK-FIX™ kit!
- · Includes installation instructions

12-050 and 12-052 Contents:

- 2 Cases (each case consist of two pieces)
- 1 Wrench
- 2 Assembly rings
- 2 Male fittings with pre-applied thread sealant
- 2 Greased lock stems

^{*}Repairs made with this kit should be considered as a temporary solution in an emergency situation and are not intended for long terms use. Damaged air coils should be replaced as soon as possible

Rubber Air Hose Replacement Fittings

Part No.	Description	Qty.
12-020	1/2" pipe thread, fits 3/8" hose	5
12-022	3/8" pipe thread, fits 3/8" hose	5
12-024	1/4" pipe thread, fits 3/8" hose	5
12-042	3/8" pipe thread, fits 1/2" hose	5
12-044	1/2" pipe thread, fits 1/2" hose	5

- Designed to replace end of rubber air hose
- · Includes spring guard



Clamping Overall Internal Pipe Part No. Length **Thread Size Thread Size** 12-804 3/4" 1/4" 2 1/8" 12-806 1" 3/8" 2 1/8"

- Male pipe thread is 1/2 in. NPT
- For bulkheads up to 1/2 in. thick

Bulkhead Fittings



Part No. Description Qty. 12-026 Brass ferrule for 3/8" rubber air hose 5 12-046 Brass ferrule for 1/2" rubber air hose 5

- Replacement ferrule for rubber air hose
- Can be used with 12-020, 12-022, 12-024

Rubber Hose Ferrule



Part No.	Description	Qty.
12-820	60" cable with 1/4" pipe thread	5
12-822	60" cable with 3/8" pipe thread	5

· Includes brass valve and cable

Heavy Duty Drain Valve



AIR BRAKE TUBING

- Phillips' nylon tubing can save as much as 75% in weight over copper tubing or rubber hose
- Resists road salts, oil, grease, gasoline, diesel fuel and moisture
- · Bends easily without deforming
- Operating temperature range -40°F to 200°F

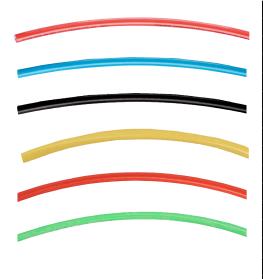
Type A - Single Wall Tubing



Part No.	Description
11-125	1/8" O.D., black, 100', box
11-250	1/4" O.D., black, 100', box
11-260	1/4" O.D., black, 250', box
11-253	1/4" O.D., orange, 100', box
11-257	1/4" O.D., red, 100', box
11-258	1/4" O.D., yellow, 100', box

- Ideal for pneumatic accessories that operate off of the air system
- Meets SAE J844 type "A" specifications
- Operating temperature range -40°F to 200°F (-40°C to 93°C)

Type B - Reinforced



Part No.	Description
11-261	3/8" O.D., black, 100', box
11-262	3/8" O.D., black, 250', box
11-263	3/8" O.D., black, 500', spool
11-273	3/8" O.D., orange, 100', box
11-274	3/8" O.D., green, 100', box
11-276	3/8" O.D., blue, 100', box
11-277	3/8" O.D., red, 100', box
11-278	3/8" O.D., yellow, 100', box
11-264	1/2" O.D., black, 100', box
11-265	1/2" O.D., black, 250', box
11-269	1/2" O.D., black, 500', spool
11-266	1/2" O.D., blue, 100', box
11-267	1/2" O.D., red, 100', box
11-268	1/2" O.D., yellow, 100', box
11-270	5/8" O.D., black, 100', box
11-271	3/4" O.D., black, 100', box

- Ideal for pneumatic accessories that operate off of the air system
- Meets SAE J844 type "B" specifications
- Operating temperature range -40°F to 200°F (-40°C to 93°C)

BRASS COMPRESSION FITTINGS

Male Connector

Part No.	Description	Qty.
12-8304	Fits 1/4" tubing, 1/8" pipe thread	10
12-8305	Fits 1/4" tubing, 1/4" pipe thread	10
12-8306	Fits 1/4" tubing, 3/8" pipe thread	10
12-8307	Fits 3/8" tubing, 1/4" pipe thread	10
12-8308	Fits 3/8" tubing, 3/8" pipe thread	10
12-8309	Fits 3/8" tubing, 1/2" pipe thread	10
12-8311	Fits 1/2" tubing, 3/8" pipe thread	10
12-8312	Fits 1/2" tubing, 1/2" pipe thread	10



Male Elbow

Part No.	Description	Qty.
12-8404	Fits 1/4" tubing, 1/8" pipe thread	10
12-8405	Fits 1/4" tubing, 1/4" pipe thread	10
12-8406	Fits 3/8" tubing, 1/4" pipe thread	10
12-8407	Fits 3/8" tubing, 3/8" pipe thread	10
12-8408	Fits 1/2" tubing, 1/4" pipe thread	10
12-8409	Fits 1/2" tubing, 3/8" pipe thread	10
12-8410	Fits 1/2" tubing, 1/2" pipe thread	10
12-8411	Fits 5/8" tubing, 1/2" pipe thread	10

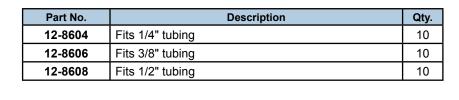


Full Union

10
10
10
10
֡



Tee-Ends





Nut

Part No.	Description	Qty.
12-8704	Fits 1/4" tubing	10
12-8706	Fits 3/8" tubing	10
12-8708	Fits 1/2" tubing	10
12-8710	Fits 5/8" tubing	10



Sleeve



Part No.	Description	Qty.
12-8804	Fits 1/4" tubing	100
12-8806	Fits 3/8" tubing	100
12-8808	Fits 1/2" tubing	100
12-8810	Fits 5/8" tubing	100

Nylon Tubing Inserts



Part No.	Description	Qty.
12-8904	Fits 1/4" tubing	100
12-8906	Fits 3/8" tubing	100
12-8908	Fits 1/2" tubing	100
12-8910	Fits 5/8" tubing	100

QWIK-FIT™ PUSH-TO-CONNECT COMPOSITE AIR FITTINGS



Today's OEM's are turning to composite fittings over brass to save both weight and labor. In fact, a tractor equipped with Phillips QWIK-FIT™ composite fittings can typically save 5-7lbs and can be installed up to 42% faster over brass! With the durability of brass and the savings on weight and labor, the Phillips QWIK-FIT™ composite fittings are ideal for OEM's as well as all other quick air line repairs.

24% - 33% lighter than brass and saves up to 42% in labor costs!!

WARNING

- Phillips QWIK-FIT™ push-to-connect composite fittings are designed only for use in applications where air is utilized as an operating fluid
- Fittings must be used in accordance with manufacturer and industry specifications
- Phillips QWIK-FIT™ push-to-connect composite fittings are not intended for use in environments exceeding 145 PSI or 140°F
- The Department of Transportation FMVSS 49CFR571-106 prohibits the use of this type of fitting for connections between towed and towing vehicles or between a driveshaft and chassis
- Using Phillips QWIK-FIT™ fittings in a manner inconsistent with manufacturer specifications may result in serious injury or property damage

Bulkhead Union



Part No.	Tube Size	Drill Diameter	Qty.
12-90044	1/4"	5/8"	10
12-90066	3/8"	15/16"	10
12-90088	1/2"	1-1/8"	5
12-90010	5/8"	1-5/32"	5

Union Elbow

Part No.	Tube Size	Qty.
12-91022*	1/8"	10
12-91033*	3/16"	10
12-91044	1/4"	10
12-91055*	5/32"	10
12-91066	3/8"	10
12-91088	1/2"	5
12-911010	5/8"	5

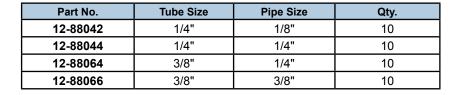


Female Bulkhead Union

Part No.	Tube Size	Pipe Size	Qty.
12-92024*	1/8"	1/4"	10
12-92042	1/4"	1/8"	10
12-92044	1/4"	1/4"	10
12-92054*	5/32"	1/4"	10
12-92064	3/8"	1/4"	10
12-92066	3/8"	3/8"	10
12-92086	1/2"	3/8"	5

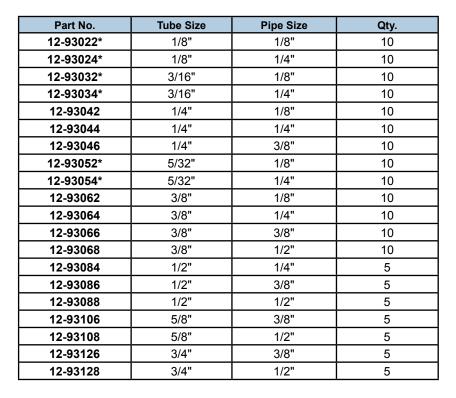


Female Connector





Male Connector





^{*}Does not Meet DOT or SAE specifications for air brake applications. Color of fittings differs from those that meet DOT and SAE specifications. NON DOT and SAE fittings are grey and orange in color.

Male Elbow (Swivel) **





Part No.	Tube Size	Pipe Size	Qty.
12-94022*	1/8"	1/8"	10
12-94024*	1/8"	1/4"	10
12-94032*	3/16"	1/8"	10
12-94034*	3/16"	1/4"	10
12-94042	1/4"	1/8"	10
12-94044	1/4"	1/4"	10
12-94046	1/4"	3/8"	10
12-94052*	5/32"	1/8"	10
12-94064	3/8"	1/4"	10
12-94066	3/8"	3/8"	10
12-94068	3/8"	1/2"	10
12-94084	1/2"	1/4"	5
12-94086	1/2"	3/8"	5
12-94088	1/2"	1/2"	5
12-94106	5/8"	3/8"	5
12-94108	5/8"	1/2"	5
12-94128	3/4"	1/2"	5
12-941012	5/8"	3/4"	5

Straight Union



Part No.	Tube Size	Qty.
12-95022*	1/8"	10
12-95033*	3/16"	10
12-95044	1/4"	10
12-95055*	5/32"	10
12-95066	3/8"	10
12-95088	1/2"	5
12-951010	5/8"	5

Union Tee



Part No.	Tube Size	Qty.
12-96222*	1/8"	10
12-96444	1/4"	10
12-96555*	5/32"	10
12-96666	3/8"	10
12-96888	1/2"	5
12-961010	5/8"	5

^{*}Does not meet DOT or SAE specifications for air brake applications. Color of fittings differs from those that meet DOT and SAE specifications. NON DOT and SAE fittings are grey and orange in color.

**Swivel to final position only. Not designed for constant rotation.

Y Union

Part No.	Tube Size	Qty.
12-96044	1/4"	10
12-96055*	5/32"	10
12-96066	3/8"	10



Male Branch Tee (Swivel)**

Part No.	Tube Size	Pipe Size	Qty.
12-97222*	1/8"	1/8"	10
12-97224*	1/8"	1/4"	10
12-97444	1/4"	1/4"	10
12-97446	1/4"	3/8"	10
12-97664	3/8"	1/4"	10
12-97666	3/8"	3/8"	10
12-97668	3/8"	1/2"	10
12-97886	1/2"	3/8"	5
12-97888	1/2"	1/2"	5
12-97106	5/8"	3/8"	5
12-97108	5/8"	1/2"	5





45° Male Elbow (Swivel)**

Part No.	Tube Size	Pipe Size	Qty.
12-98042	1/4"	1/8"	10
12-98044	1/4"	1/4"	10
12-98046	1/4"	3/8"	10
12-98052*	5/32"	1/8"	10
12-98062	3/8"	1/8"	10
12-98064	3/8"	1/4"	10
12-98066	3/8"	3/8"	10
12-98068	3/8"	1/2"	10
12-98084	1/2"	1/4"	5
12-98086	1/2"	3/8"	5
12-98088	1/2"	1/2"	5
12-98106	5/8"	3/8"	5
12-98108	5/8"	1/2"	5
12-981012	5/8"	3/4"	5
12-98126	3/4"	3/8"	5
12-98128	3/4"	1/2"	5



^{*}Does not meet DOT or SAE specifications for air brake applications. Color of fittings differs from those that meet DOT and SAE specifications. NON DOT & SAE fittings are grey and orange in color.

^{**}Swivel to final position only. Not designed for constant rotation.

Male Run Tee (Swivel)**



installation!

Part No.	Tube Size	Pipe Size	Qty.
12-99022	1/8"	1/8"	10
12-99024	1/8"	1/4"	10
12-99042	1/4"	1/8"	10
12-99044	1/4"	1/4"	10
12-99046	1/4"	3/8"	10
12-99052	5/32"	1/8"	10
12-99054	5/32"	1/4"	10
12-99064	3/8"	1/4"	10
12-99066	3/8"	3/8"	10
12-99068	3/8"	1/2"	10
12-99084	1/2"	1/4"	5
12-99086	1/2"	3/8"	5
12-99088	1/2"	1/2"	5
12-99108	5/8"	1/2"	5

Male Branch "Y"



Part No.	Tube Size	Pipe Size	Qty.
12-89042	1/4"	1/8"	10
12-89044	1/4"	1/4"	10

Dust Boot



Part No.	Tube Size	Qty.
12-90040	1/4"	10
12-90060	3/8"	10
12-90080	1/2"	10

• Protects air fittings from the elements, ensuring an easy release every time

Plug



Part No.	Tube Size	Qty.
12-90400	1/4"	10
12-90600	3/8"	10
12-90800	1/2"	10

• Provides a positive seal of protection for unoccupied parts.

^{**}Swivel to final position only. Not designed for constant rotation.

QWIK-FIT™ Starter Kit



80-1290 Contents:					
Part No.	Description	Tube Size	Thread Size	Assortment Qty.	
12-90044	Bulkhead union	1/4"		10	
12-90066	Bulkhead union	3/8"	_	10	
12-90088	Bulkhead union	1/2"	_	5	
12-91066	Union elbow	3/8"	_	10	
12-91088	Union elbow	1/2"	_	5	
12-93042	Male connector	1/4"	1/8"	20	
12-93064	Male connector	3/8"	1/4"	20	
12-93066	Male connector	3/8"	3/8"	20	
12-93086	Male connector	1/2"	3/8"	10	
12-94042	Male elbow	1/4"	1/8"	10	
12-94044	Male elbow	1/4"	1/4"	10	
12-94064	Male elbow	3/8"	1/4"	10	
12-94066	Male elbow	3/8"	3/8"	10	
12-94086	Male elbow	1/2"	3/8"	5	
12-95022	Union	1/8"	_	20	
12-95044	Union	1/4"	_	20	
12-95055	Union	5/32"	_	20	
12-95066	Union	3/8"	_	20	
12-95088	Union	1/2"	_	10	
12-96444	Union tee	1/4"	_	10	
12-96666	Union tee	3/8"	_	10	
12-96888	Union tee	1/2"	_	5	
12-98044	45° male elbow	1/4"	1/4"	10	
12-98064**	45° male elbow	3/8"	1/4"	10	
12-98066**	45° male elbow	3/8"	3/8"	10	
12-98086**	45° male elbow	1/2"	3/8"	5	
12-98088	45° male elbow	1/2"	1/2"	5	

^{**}Swivel to final position only. Not designed for constant rotation.

QWIK-FIT™ Travel Kit



48 pieces 6 1/2" x 10 1/2"

Part No.	Description
80-1291	QWIK-FIT™ travel kit

80-1291 Contents:					
Part No.	Description	Tube Size	Thread Size	Kit Qty.	
12-90040	1/4" dust boot	-	-	10	
12-90060	3/8" dust boot	-	ī	10	
12-90080	1/2" dust boot	-	-	10	
12-93044	Male connector	1/4"	1/4"	2	
12-93064	Male connector	3/8"	1/4"	2	
12-93066	Male connector	3/8"	3/8"	2	
12-93086	Male connector	1/2"	3/8"	2	
12-95044	95044 Straight union		Ī	2	
12-95066	Straight union	3/8"	-	2	
12-95088	Straight union	1/2"	-	2	
12-98064**	45° male elbow (swivel)	3/8"	1/4"	2	
12-98066**	45° male elbow (swivel)	3/8"	3/8"	2	

QWIK-FIT™ Shop Kit



80-1292 110 pieces 12" x 18"

Part No.	Description
80-1292	QWIK-FIT™ shop kit

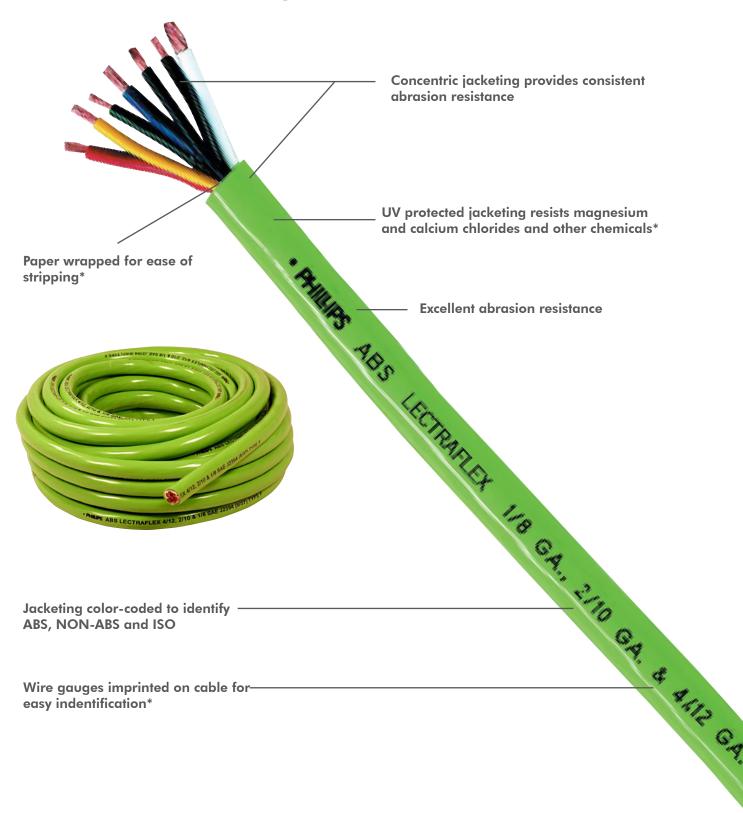
80-1292 Contents:					
Part No.	Description	Tube Size	Thread Size	Kit Qty.	
12-90040	1/4" dust boot	-	-	10	
12-90060	3/8" dust boot	-	-	10	
12-90080	1/2" dust boot	-	-	10	
12-93022*	Male connector	1/8"	1/8"	5	
12-93042	Male connector	1/4"	1/8"	5	
12-93044	Male connector	1/4"	1/4"	10	
12-93064	Male connector	3/8"	1/4"	10	
12-93066	Male connector	3/8"	3/8"	10	
12-93086	Male connector	1/2"	3/8"	5	
12-95044	Straight union	1/4"	-	5	
12-95066	Straight union	3/8"	-	5	
12-95088	Straight union	1/2"	-	5	
12-951010	Straight union	5/8"	-	5	
12-98064**	45° male elbow (swivel)	3/8"	1/4"	5	
12-98066**	45° male elbow (swivel)	3/8"	3/8"	5	
12-98086**	45° male elbow (swivel)	1/2"	3/8"	5	

^{*}Does not meet DOT or SAE specifications for air brake applications. Color of fittings differ from those that meet DOT and SAE specifications. NON DOT and SAE fittings are grey and orange in color.

^{**}Swivel to final position only. Not designed for constant rotation.

CABLE AND WIRE

LECTRAFLEX™



^{*} Standard on all Phillips cable

BULK TRAILER CABLE

- · Resistant to chemicals, oils and fuel
- Paper wrapped for ease of stripping
- Concentric jacketing copper centered in jacket for consistent abrasion resistance

ARCTIC SUPERFLEX™

FLEXIBLE TO -85°F





- Designed for durability in extreme temperatures
- Stays flexible from -85°F to 175°F (-65°C to 79°C)
- Dark blue jacket color
- Resistant to chemicals, oils and fuels

7 CONDUCTOR - 1/8, 2/10, 4/12 ga. ABS .700 O.D. Black - Brown - Blue - Green - Red - White - Yellow

Part No.	Length	Package	Stranding 12 ga.	Stranding 10 ga.	Stranding 8 ga.
3-642	100'	Spool	65 x 30	105 x 30	168 x 30
3-643	250'	Spool	65 x 30	105 x 30	168 x 30
3-644	500'	Spool	65 x 30	105 x 30	168 x 30

7 CONDUCTOR - 1/10, 6/12 ga. .640 O.D. Black - Brown - Blue - Green - Red - White - Yellow

Part No.	Length	Package	Stranding 12 ga.	Stranding 10 ga.	
3-632	100'	Spool	65 x 30	105 x 30	
3-633	250'	Spool	65 x 30	105 x 30	

7 CONDUCTOR - 1/12, 6/14 ga. .570 O.D. Black - Brown - Blue - Green - Red - White - Yellow

Part No.	Length	Package	Stranding 14 ga.	Stranding 12 ga.
3-622	100'	Spool	41 x 30	65 x 30
3-623	250'	Spool	41 x 30	65 x 30
3-624	500'	Spool	41 x 30	65 x 30

6 CONDUCTOR - 6/14 ga. .550 O.D. Black - Brown - Green - Red - White - Yellow

Part No.	Length	Package	Stranding
3-612	100'	Spool	41 x 30
3-613	250'	Spool	41 x 30
3-614	500'	Spool	41 x 30

4 CONDUCTOR - 4/14 ga. .440 O.D. Brown - Yellow - Green - White

Part No.	Length	Package	Stranding
3-602	100'	Spool	41 x 30
3-603	250'	Spool	41 x 30
3-604	500'	Spool	41 x 30

3 CONDUCTOR - 3/14 ga. .440 O.D. Black - Red - White

2100K 1100 1111K			
Part No.	Length	Package	Stranding
3-662	100'	Spool	41 x 30
3-663	250'	Spool	41 x 30
3-664	500'	Spool	41 x 30

2 CONDUCTOR - 2/14 ga. .340 O.D. Black - White

Part No.	Length	Package	Stranding
3-652	100'	Spool	41 x 30
3-653	250'	Spool	41 x 30
3-654	500'	Spool	41 x 30
3-655	1000'	Spool	41 x 30

DURAFLEX™

7 CONDUCTOR - 1/10, 6/12 ga690 O.D. Black - Brown - Blue - Green - Red - White - Yellow					
Part No.	Length	Package			
3-221	50'	Spool			
3-222	100'	Spool			
3-223	250'	Spool			
3-224	500'	Spool			
3-225	1000'	Spool			





- For general trailer rewiring
 Black jacket
 Stays flexible to -40°F (-40°C)
 Meets SAE J1128 specifications

7 CONDUCTOR - 1/12, 6/14 ga500 O.D. Black - Brown - Blue - Green - Red - White - Yellow					
Part No.	Length	Package			
3-241	50'	Spool			
3-242	100'	Spool			
3-243	250'	Spool			
3-244 500' Spool					
3-245	1000'	Spool			

6 CONDUCTOR - 6/14 ga500 O.D. Black - Brown - Green - Red - White - Yellow						
Part No.	Length	Package				
3-201	50'	Spool				
3-202	100'	Spool				
3-203	250'	Spool				
3-204	500'	Spool				
3-205	1000'	Spool				

4 CONDUCTOR - 4/14 ga400 O.D. Brown - Yellow - Green - White						
Part No.	Length	Package				
3-191	50'	Spool				
3-192	100'	Spool				
3-193	250'	Spool				
3-194	500'	Spool				
3-195	1000'	Spool				

LECTRAFLEX™



7 CONDUCTOR - 1/8, 2/10, 4/12 ga. ABS BRIGHT GREEN .680 O.D. Black - Brown - Blue - Green - Red - White - Yellow

Part No.	Length	Package	Stranding 12 ga.	Stranding 10 ga.	Stranding 8 ga.
3-326	50'	Spool	65 x 30	105 x 30	168 x 30
3-327	100'	Spool	65 x 30	105 x 30	168 x 30
3-328	250'	Spool	65 x 30	105 x 30	168 x 30
3-329	500'	Spool	65 x 30	105 x 30	168 x 30
3-330	1000'	Spool	65 x 30	105 x 30	168 x 30

- · For ABS applications
- · Green jacket
- · Superior abrasion resistance
- Stays flexible to -40°F (-40°C)
- Meets SAE J2394 specifications

ISOFLEX™



7 CONDUCTOR - 1/8, 2/10, 4/12 ga. ISO BRIGHT YELLOW .770 O.D. Black - Brown - Blue - Green - Red - White - Yellow

Part No.	Length	Package	Stranding 12 ga.	Stranding 10 ga.	Stranding 8 ga.	
3-341	50'	Spool	65 x 30	105 x 30	168 x 30	
3-342	100'	Spool	65 x 30	105 x 30	168 x 30	
3-343	250'	Spool	65 x 30	105 x 30	168 x 30	
3-344	500'	Spool	65 x 30	105 x 30	168 x 30	

- Ideal for multiplexing applications
- Twisted pair (green and brown) reduces radio noise
- · Good chemical and abrasion resistance
- · Bright yellow jacket color
- Stays flexible to -40°F (-40°C)
- · Meets ISO 3731

Welding Cable



Part No.	Gauge	Length	Package	Stranding	O.D.
3-407	2/0	25'	Spool	1273 x 30	.630

- · Fine stranding for superior flexibility
- · Neoprene jacketing for durability
- Resistant to chemicals, oils and fuels
- Stays flexible to -58°F (-50°C)
- · Black jacket
- Rated to 600V

Bulk Booster Cable - Yellow / Black

Part No.	Description
3-518	4 ga., 2 conductor, yellow and black, 100', spool

- · Chemical and abrasion resistant
- Fine stranding for flexibility
- Operating temperature range: -40°F to 140°F (-40°C to 60°C)
- DC voltage rating: 50V max.
- Black/yellow jacketing for ease of polarity identification
- RoHS compliant
- Meets SAE J1494
- Meets SAE J1127 Type SGT



Bulk Booster Cable - Red / Black

Part No.	Description	
3-524	4 ga., 2 conductor, red and black, 100', spool	NEW
3-524-250	4 ga., 2 conductor, red and black, 250', spool	NEW
3-524-500	4 ga., 2 conductor, red and black, 500', spool	NEW
3-524-1000	4 ga., 2 conductor, red and black, 1000', spool	NEW



- · Chemical and abrasion resistant
- Operating temperature: -22°F to 176°F (-30°C to 80°C)
- DC voltage rating: 60V max.
- · Black/red jacketing for ease of polarity identification
- RoHS compliant
- Meets SAE J1494
- Meets SAE J1127 Type SGT

Bulk Booster Cable - Orange / Black

Part No.	Description	
3-523	6 ga., 2 conductor, orange and black, 100', Spool	NEW
3-523-250	6 ga., 2 conductor, orange and black, 250', Spool	NEW
3-523-500	6 ga., 2 conductor, orange and black, 500', Spool	NEW
3-523-1000	6 ga., 2 conductor, orangeand black, 1000', Spool	NEW
_	1 - gar, =	



- · Chemical and abrasion resistant
- Operating temperature: -22°F to 176°F (-30°C to 80°C)
- DC voltage rating: 60V max.
- Black/orange jacketing for ease of polarity identification
- RoHS compliant
- Meets SAE J1494
- Meets SAE J1127 Type SGT

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

	Size	Length	Stranding	Package	Part No.]
CLEAR RED	4 ga.	25'	133 x 25	Spool	3-545	CLEAR RED
	4 ga.	100'	133 x 25	Spool	3-545-100	
	1 ga.	25'	133 x 22	Spool	3-555	
	1 ga.	100'	133 x 22	Spool	3-555-100	
	2/0 ga.	25'	259 x 23	Spool	3-565	
	2/0 ga.	100'	259 x 23	Spool	3-565-100	
SMOKE	4 ga.	25'	133 x 25	Spool	3-546	ဂ
	4 ga.	100'	133 x 25	Spool	3-546-100][
SI	1 ga.	25'	133 x 22	Spool	3-556	AR SMOKE
CLEAR	1 ga.	100'	133 x 22	Spool	3-556-100	
	2/0 ga.	25'	259 x 23	Spool	3-566	
	2/0 ga.	100'	259 x 23	Spool	3-566-100	
CLEAR	6 ga.	25'	133 x 27	Spool	3-526	
	4 ga.	25'	133 x 25	Spool	3-528	
	4 ga.	100'	133 x 25	Spool	3-528-100	
	2 ga.	25'	133 x 23	Spool	3-530	lΩ
	2 ga.	100'	133 x 23	Spool	3-530-100	CLEAR
	1 ga.	25'	133 x 22	Spool	3-551	
	1 ga.	100'	133 x 22	Spool	3-551-100	
	2/0 ga.	25'	259 x 23	Spool	3-532	
	2/0 ga.	100'	259 x 23	Spool	3-532-100	

Battery Cable

• PHILIPS	2/0	GA.	
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- Rope-style stranding for flexibility
- Easy to strip
- Superior abrasion resistance
- Operating temperature range

 40°F to 150°F (-40°C to 66°C)

 Meets SAE J1127 SGT specifications

	Size	Length	Stranding	Package	Part No.	
	6 ga.	25'	133 x 27	Spool	3-501	
	6 ga.	100'	133 x 27	Spool	3-501-100	
	6 ga.	250'	133 x 27	Spool	3-501-250	
	4 ga.	25'	133 x 25	Spool	3-503	
	4 ga.	100'	133 x 25	Spool	3-503-100	
	4 ga.	250'	133 x 25	Spool	3-503-250	
	2 ga.	25'	133 x 23	Spool	3-505	
	2 ga.	100'	133 x 23	Spool	3-505-100	71
RED	2 ga.	250'	133 x 23	Spool	3-505-250	RED
	1 ga.	25'	133 x 22	Spool	3-507	
	1 ga.	100'	133 x 22	Spool	3-507-100	
	1/0 ga.	25'	133 x 21	Spool	3-509	
	1/0 ga.	100'	133 x 21	Spool	3-509-100	
	1/0 ga.	250'	133 x 21	Spool	3-509-250	
	2/0 ga.	25'	259 x 23	Spool	3-511	
	2/0 ga.	100'	259 x 23	Spool	3-511-100	
	2/0 ga.	250'	259 x 23	Spool	3-511-250	
	3/0 ga.	25'	259 x 22	Spool	3-513	
	3/0 ga.	100'	259 x 22	Spool	3-513-100	
	4/0 ga.	25'	259 x 21	Spool	3-515	
	6 ga.	25'	133 x 27	Spool	3-502	
	6 ga.	100'	133 x 27	Spool	3-502-100	
	6 ga.	250'	133 x 27	Spool	3-502-250	
	4 ga.	25'	133 x 25	Spool	3-504	
	4 ga.	100'	133 x 25	Spool	3-504-100	
	4 ga.	250'	133 x 25	Spool	3-504-250	
\	2 ga.	25'	133 x 23	Spool	3-506	
BLACK	2 ga.	100'	133 x 23	Spool	3-506-100	BLACK
3L/	2 ga.	250'	133 x 23	Spool	3-506-250	Š
	1 ga.	25'	133 x 22	Spool	3-508	
	1 ga.	100'	133 x 22	Spool	3-508-100	
	1 ga.	250'	133 x 22	Spool	3-508-250	
	1/0 ga.	25'	133 x 21	Spool	3-510	
	1/0 ga.	100'	133 x 21	Spool	3-510-100	
	1/0 ga.	250'	133 x 21	Spool	3-510-250	
	2/0 ga.	25'	259 x 23	Spool	3-512	
	2/0 ga.	100'	259 x 23	Spool	3-512-100	
	2/0 ga.	250'	259 x 23	Spool	3-512-250	
	3/0 ga.	25'	259 x 22	Spool	3-514	
	3/0 ga.	100'	259 x 22	Spool	3-514-100	
	3/0 ga.	250'	259 x 22	Spool	3-514-250	
	4/0 ga.	25'	259 x 21	Spool	3-516	
	4/0 ga.	100'	259 x 21	Spool	3-516-100	
	4/0 ga.	250'	259 x 21	Spool	3-516-250	

PRIMARY WIRE

- SAE Type GPT (General Purpose Thermoplastic) wire
- Resistant to acids, greases, oils and fuels
- · Good abrasion resistance
- · Concentric jacketing allows for easy wire stripping
- · Soft annealed copper conductors for flexibility
- Operating temperature range -40°F to 150°F (-40°C to 66°C)
- Meets SAE J1128, type GPT
- 60V DC

	4-Way C	Phillips Plug/	
Col	or	Circuits	Socket ID
Whi	ite	Ground return	W
Gre	en	Right turn and brake lights	G
Yellow	Yellow Red Left turn and brake lights		R
Brown		Tail lights	В

6-Way C	6-Way Connector Chart		
Color	Circuits	Socket ID	
White	Ground return	GD	
Brown	Tail lights	TM	
Yellow	Left turn	LT	
Red	Stop	S	
Green	Right turn	RT	
Black	Auxiliary circuit	Α	

7-Way ATA Conne	7-Way ATA Connector Chart Per SAE J560				
Color	Circuits	Socket ID			
White	Ground return	WHT			
Black	Clearance, marker and ID	BLK			
Brown	Tail lights	BRN			
Yellow	Left turn	YEL			
Red	Red Stop				
Green	Right turn	GRN			
Blue	Auxiliary/ABS	BLU			

HOW TO USE THIS CHART:

- 1. Measure distance from power source/battery to the most distant lamp
- 2. Determine the total amp draw by adding the amp draw of all the lamps on the circuit
- 3. Double the distance to include the ground return wire
- 4. Determine wire gauge by intersecting the length and amp column on the chart. If the length or total amp draw falls in between columns, always use the higher gauge wire

	WIRE GAUGE SELECTION CHART									
12-Volt System		Total Leng	th of Cable	in Circuit fr	om Battery	to Most Dis	tant Lamp l	ncluding G	round Side	
Amps (APP.)	2.5 ft	5 ft	10 ft	20 ft	30 ft	40 ft	50 ft	60 ft	80 ft	100 ft
1.0	20	20	20	20	20	20	20	20	20	18
1.5	20	20	20	20	20	20	20	20	18	18
2	20	20	20	20	20	20	18	18	16	16
3	20	20	20	20	20	18	18	16	16	14
4	20	20	20	20	18	16	16	16	14	12
5	20	20	20	18	18	16	14	14	12	12
6	20	20	20	18	16	16	14	14	12	12
7	20	20	20	18	16	14	14	12	12	10
8	20	20	20	16	16	14	12	12	10	10
10	20	20	18	16	14	12	12	12	10	10
11	20	20	18	16	14	12	12	10	10	8
12	20	20	18	16	14	12	12	10	10	8
15	20	20	18	14	12	12	10	10	8	8
18	20	20	16	14	12	10	10	8	8	8
20	20	18	16	12	12	10	10	8	8	6
22	20	18	16	12	10	10	8	8	8	6
24	20	18	16	12	10	10	8	8	6	6
36	20	16	14	10	8	8	8	6	6	4
50	18	16	12	10	8	6	6	4	4	2
100	14	12	10	6	4	4	2	2	1	1/0
150	14	10	8	4	2	2	1	1/0	2/0	3/0
200	12	8	6	4	2	1	1/0	2/0	3/0	4/0

Primary Wire

14 Gauge			
Color	20' Blister Pack	100' Spool	1000' Spool
Black	2-1213	2-121	2-121-1000
Blue	2-1223	2-122	2-122-1000
Brown	2-1233	2-123	2-123-1000
Green	2-1243	2-124	2-124-1000
Red	2-1253	2-125	2-125-1000
White	2-1263	2-126	2-126-1000
Yellow	2-1273	2-127	2-127-1000





BLISTER PACK

12 Gauge				
Color	12' Blister	Pack	100' Spool	1000' Spool
Black	2-1313	3	2-131	2-131-1000
Blue	2-1323	3	2-132	2-132-1000
Brown	2-1333	3	2-133	-
Green	2-1343	3	2-134	2-134-1000
Red	2-1353	3	2-135	2-135-1000
White	2-1363	3	2-136	-
Yellow	2-1373	3	2-137	2-137-1000

18 Gauge		
Color	40' Blister Pack	100' Spool
Black	2-1013	2-101
Blue	2-1023	2-102
Green	2-1043	2-104
Red	2-1053	2-105
White	2-1063	2-106
Yellow	2-1073	2-107

10 Gauge		
Color	8' Blister Pack	100' Spool
Black	2-1413	2-141
Blue	2-1423	2-142
Green	-	2-144
Red	2-1453	2-145
White	2-1463	2-146
Yellow	2-1473	2-147

16 Gauge			
Color	28' Blister Pack	100' Spool	1000' Spool
Black	2-1113	2-111	2-111-1000
Blue	2-1123	2-112	-
Brown	2-1133	2-113	2-113-1000
Green	2-1143	2-114	-
Red	2-1153	2-115	2-115-1000
White	2-1163	2-116	2-116-1000
Yellow	2-1173	2-117	2-117-1000

8 Gauge		
Color	6' Blister Pack	100' Spool
Black	2-1513	2-151
Red	2-1553	2-155
White	2-1563	2-156

Primary Wire Assortment



80-2006

12 spool wire assortment, fits in 80-191 rack below

Part No.	Description
80-2006	Primary wire assortment

Replacement Part No.	Description	Qty.
2-111	Primary wire, 16 ga., black, 100' spool	1
2-112	Primary wire, 16 ga., blue, 100' spool	1
2-115	Primary wire, 16 ga., red, 100' spool	1
2-121	Primary wire, 14 ga., black, 100' spool	1
2-122	Primary wire, 14 ga., blue, 100' spool	1
2-123	Primary wire, 14 ga., brown, 100' spool	1
2-124	Primary wire, 14 ga., green, 100' spool	1
2-125	Primary wire, 14 ga., red, 100' spool	1
2-126	Primary wire, 14 ga., white, 100' spool	1
2-127	Primary wire, 14 ga., yellow, 100' spool	1
2-131	Primary wire, 12 ga., black, 100' spool	1
2-135	Primary wire, 12 ga., red, 100' spool	1

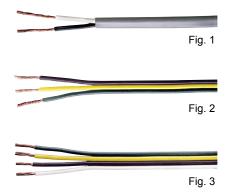
Wire Rack



Part No.	Description
80-191	Wire rack

- Holds 12 ft. 100 ft. rolls
- For rolls up to 12 ga.
- Ideal for the 80-2006 primary wire assortment

Parallel Wire



Part No.	Cougo	Tuno	Jacket Color		Longth	Std.
Part No.	Part No. Gauge Type	Type	External	Internal	Length	Pkg.
2-401	2/16	Fig. 1	Gray	Black, white	100'	Spool
2-402	2/14	Fig. 1	Gray	Black, white	100'	Spool
2-403	2/12	Fig. 1	Gray	Black, white	100'	Spool
2-404	2/10	Fig. 1	Gray	Black, white	100'	Spool
2-422	3/16	Fig. 2	Brown, yellow, green	-	100'	Spool
2-423	4/16	Fig. 3	Brown, yellow, green, white	-	100'	Spool
2-424	3/14	Fig. 2	Brown, yellow, green	-	100'	Spool
2-425	4/14	Fig. 3	Brown, yellow, green, white	- -	100'	Spool
2-426	3/12	Fig. 2	Brown, yellow, green	-	100'	Spool

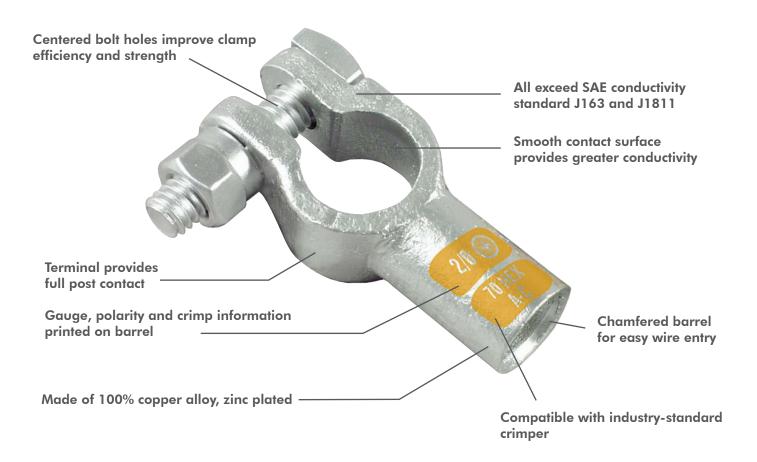
U.L. Service Cord



I	Part No.	Gauge	Internal Wire Color	Strands	Length	Pkg.
ı	3-112	2/14	Black, white	41 x 30	250'	Spool
ĺ	3-113	3/14	Black, white, green	41 x 30	250'	Spool

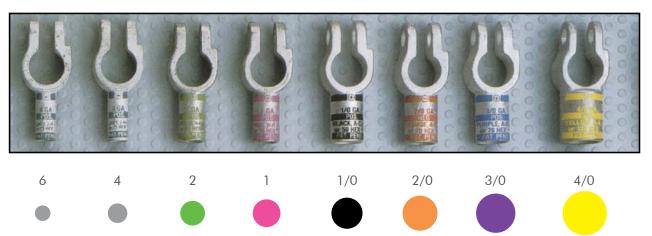
- Type SJ00W cable
- Great flexibility and excellent resistance to oil and moisture
- · Good tensile strength, elongation and aging characteristics
- Excellent abrasion resistance
- UL, CSA certified for indoor/outdoor use
- 300V at -40°F to 194°F (-40°C to 90°C)

BATTERY TERMINALS & ACCESSORIES



Color Code and Size

The size dots will help you determine the gauge of an unmarked starter cable. Measure the bare conductor only, not the insulation. Actual diameters vary depending on specific wire stranding.



COPPER BATTERY TERMINALS

- Copper battery connectors are tin plated for added conductivity and corrosion resistance
- · Can be crimped or soldered
- Exceeds SAE conductivity standard J163 and J1811
- · Works well with solder slugs

Straight Clamp



Gauge	Positive	Negative	Universal
4	8-1120	8-1121	8-1122
2	8-1130	8-1131	8-1132
1	8-1140	8-1141	-
1/0	8-1150	8-1151	1
2/0	8-1160	8-1161	1
3/0	8-1170	8-1171	-
4/0	8-1180	8-1181	-

2/1 - 2/1 - 7/15 7/15 7/15 7/15 7/15

GROUP 31

Straight Clamp

	Oti
	Gai
1	2/

Gauge	3/8" Hole Single	3/8" Hole Dual
2/0	8-1763	8-1863

Negative 8-1251

8-1261

Heavy Duty Copper Locking Lugs

Gauge	3/8" Hole Single	1/2" Hole
2/0	8-2763	8-2765

Right Elbow

Left Elbow

Gauge

1/0

2/0



Gauge	Positive	Negative
2/0	8-1360	8-1361

Positive

8-1250

8-1260

Non-Rotating Copper Lugs





Gauge	3/8" Hole Single	3/8" Hole Dual
4	8-4723	-
1 & 2	8-4733	-
2/0	8-4763	8-4863
3/0	8-4773	-
4/0	8-4783	-

Flag



Gauge	Positive	Negative
2/0	8-1460	8-1461
2/0	8-1660*	-
3/0	8-1470	8-1471
4/0	8-1480	8-1481

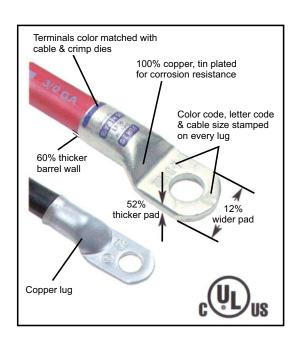
*Accessory wire capability





HEAVY DUTY TIN PLATED COPPER LUGS

- · Wider and thicker pad for better electrical conductivity and greater strength than standard lugs
- · Copper battery lugs are tin plated for added conductivity and corrosion resistance
- Exceeds SAE standards and conforms to TMC and ATA recommended practices
- Meets UL standard (UL Std. 486A)
- · Lugs for every application



Starter/Ground Lug

Gauge	1/4"	5/16"	3/8"	1/2"
6	8-4111	-	-	-
4	8-4121	8-4122	8-4123	8-4125
1 & 2	8-4131	8-4132	8-4133	8-4135
1/0	-	8-4152	8-4153	8-4155
2/0	8-4161	8-4162	8-4163	8-4165
3/0	-	-	8-4173	8-4175
4/0	-	-	8-4183	8-4185



45° Lug

Gauge	3/8"	1/2"
2/0	-	8-4365



Butt Splice

Gauge	Part No.
4	8-4920
1 & 2	8-4930
1/0	8-4950
2/0	8-4960
3/0	8-4970
4/0	8-4980



90° Lug

Gauge	3/8"	1/2"
2/0	8-4463	8-4465



3/8" Elbow

Gauge	Left	Right
2/0	8-4563	8-4663



Brazed Seam Lug - Non-Insulated

Gauge	#10	1/4"	5/16"	3/8"	1/2"
8	-	8-2001	8-2002	8-2003	-
6	8-2010	8-2011	8-2012	8-2013	-
4	-	8-2021	-	8-2023	8-2025
2	-	-	-	8-2033	-
1/0	-	-	-	8-2053	8-2055
2/0	-	-	-	8-2063	8-2065
3/0	-	-	-	8-2073	-



- · Serrated barrel increases pull-out strength
- 100% copper, tin plated
- · Cost effective solution

COPPER LUGS

- Some copper battery lugs are tin plated for added conductivity and corrosion resistance
- · Ideal for crimping or soldering
- Exceeds SAE conductivity standard J163 and J1811
- · Ideal for general wiring as well as starter or ground connections

Starter/Ground Lug



Gauge	#10	1/4"	5/16"	3/8"	1/2"
8	8-2100	8-2101	-	8-2103	-
6	8-2110	8-2111	8-2112	8-2113	8-2115
4	-	8-2121	8-2122	8-2123	8-2125
2	-	8-2131	8-2132	8-2133	8-2135
1	-	8-2141	8-2142	8-2143	8-2145
1/0	-	-	8-2152	8-2153	8-2155
2/0	-	-	8-2162	8-2163	8-2165
3/0	-	-	-	8-2173	8-2175
4/0	-	-	-	8-2183	8-2185

Straight Lug - Tin Plated*



Gauge	3/8"	1/2"
8	8-2203	-
6	8-2213	-
4	8-2223	-
2	8-2233	-
1	8-2243	-
1/0	8-2253	8-2255
2/0	8-2263	8-2265
3/0	8-2273	8-2275
4/0	8-2283	8-2285

^{*}Tin plated for added conductivity

Copper Butt Splice - Tin Plated*



Gauge	Part No.
8	8-2900
6	8-2910
4	8-2920
2	8-2930
1	8-2940
1/0	8-2950
2/0	8-2960
4/0	8-2980

^{*}Tin plated for added conductivity

AUTOMOTIVE, HEAVY DUTY, MILITARY, MARINE

Automotive

Part No.	Description	Qty.
8-612	Automotive clamp, universal, 6-2/0 ga., lead	10
8-613	Heavy duty clamp, universal, 1-4/0 ga., lead	10





- Heavy duty design for truck, bus, construction, agriculture and industrial applications
- · For temporary field repairs
- Universal size to fit 6 ga. to 2/0 ga.

Military

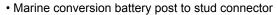
Part No.	Description	Qty.
8-618	Negative polarity, lead; zinc plated	10
8-619	Positive polarity, lead; zinc plated	10





Marine

Part No.	Description	Qty.
8-620	Top post-to 3/8" stud, positive polarity, brass; tin plated	10
8-621	Top post-to 3/8" stud, positive polarity, lead; zinc plated	10
8-622	Top post-to 5/16" stud, negative polarity, brass; tin plated	10
8-623	Top post-to 5/16" stud, negative polarity, lead; zinc plated	10





8-621 8-623



8-620 8-622

Top Mount Quick Disconnect

Part No.	Description	Qty.
8-638	Top post, negative polarity, copper; brass plated	10

- Quick disconnect 1/4 turn of knob to disconnect battery
- Great for RV's, golf carts or long term storage of any vehicle



Conversion Connectors & Adapters



Part	Description	
8-6421	Stud-to-post conversion (3/8" - 16), pos. and neg., lead, 1 pair	

Accessory Wire Adapters

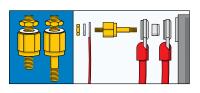


Fig. 1

Fig.	Part No.	Description	Qty.
1	8-644	Adapter bolt, side terminal accessory post for single power lead	10
1	8-645	Adapter bolt, side terminal accessory post for dual power lead	10
2	8-648	Adapter nut, terminal accessory post: 3/8" - 16 x 3/4"	10

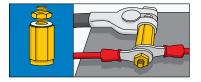


Fig. 2

- · For adding accessory wire connections
- Precision-machined from solid brass, includes zinc-plated steel nut and washer
- Connects power accessories directly to battery*
- Adapter nut fits standard battery bolt
- · Side terminal adapter bolt available for single and dual power leads

HEAVY DUTY JUMPERS

- Truck, bus, farm, construction, etc.
- 2/0 gauge for parallel connections of 2 or 3 batteries
- Exceeds SAE and OEM specifications
- Ideal for Group 31 and similar batteries
- · Most efficient way to connect two or three paralleled batteries for delivery of maximum starting power at same voltage





Group 31

Battery Jumpers

Description	Positive (Red)	Negative (Black)	CLEAR-VU™ (Clear)
9", 3/8" hole	9-208	9-209	9-210
12", 3/8" hole	9-211	9-212	9-213
15", 3/8" hole	9-214	9-215	9-216
17", 3/8" hole	9-217	9-218	9-219

- · Non-rotating, heavy duty battery terminals
- 2/0 ga. cable and terminals

^{*}Caution: Accessories directly connected to battery should be protected by fuse or circuit breaker device

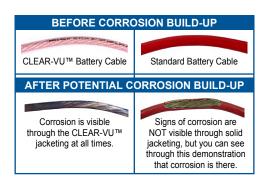
CLEAR-VU™ Battery Jumpers - OEM Replacement

Part No.	Description	
9-350	2/0 CLEAR-VU™ clear, 2 lug, 8"	
9-351	2/0 CLEAR-VU™ translucent smoke, 2 lug, 8"	
9-352	2/0 CLEAR-VU™ translucent red, 2 lug, 8"	
9-360	2/0 CLEAR-VU™ clear, 3 lug, 17"	
9-361	9-361 2/0 CLEAR-VU™ translucent smoke, 3 lug, 17"	
9-362	9-362 2/0 CLEAR-VU™ translucent red, 3 lug, 17"	
9-370	70 2/0 CLEAR-VU™ clear, 4 lug, 26"	
9-371	2/0 CLEAR-VU™ translucent smoke, 4 lug, 26"	
9-372	2/0 CLEAR-VU™ translucent red, 4 lug, 26"	



- · Replaces OEM battery cables
- Translucent cable allows you to see corrosion
- Heavy wall shrink tubing stops water and contaminants from entering charging system
- Rope-style stranding for flexibility
- Operating temperature range -40°F to 150°F (-40°C to 66°C)
- Non-rotating 3/8 in. lugs

OEM R	eplacemer	nt Chart			
PHILLIPS	Volvo/Mack	Freightliner	Peterbilt	Kenworth	International
9-351	32001404	N54-4226	D6204-3035	D6204-3035	547937C91
9-352	3201140280	N54-4883	D6207-1046	D6207-1046	546389C91
9-361	8085769	N54-4667	-	-	546889C91
9-362	8075153	N54-4688	-	-	547422C91



Battery-To-Battery Jumpers

Gauge	8"	12"
2/0	9-126	9-128

- Lead terminals
- 2/0 ga. cable
- Black cable



Braided Ground Straps

Gauge	13"	18"	24"
4	9-150	9-151	9-152

- Fine stranded copper conductor for maximum conductivity and flexibility
- · Corrosion resistant plating
- 3/8 in. hole



Part No. Description 9-5560 5' PERMACOIL™ coiled ground cable, 8 ga.

- Cable offers more flexibility and allows for less tangling when the fifth wheel is adjusted back and forth
- 5 ft. extended working length
- PERMACOIL[™] cable jacketing has good recoil memory and is UV, chemical and abrasion resistant
- Flexible from -87°F to 150°F (-66°C to 66°C)
- Tin plated copper lugs and heat shrink tubing used to help prevent corrosion at the connections

Coiled Ground Cable



Two Battery Jumpers







Top Post-to-Power Take		
Description	Negative	
7-3/8"	9-242	9-243

Stud-to-Power Take-Off		
Description	Negative	
7-3/8"	9-262	9-263

Three Battery Jumpers



	0
4	

Stud-to-Power Take-Off		
Description	Negative	
14-3/4"	9-282	9-283

Stud-to-Power Take-Off Stud		
Description	Positive	Negative
13-5/8"	9-290	9-291
14-3/4"	9-292	9-293

TERMINAL PROTECTORS

- Protects alternator and electrical system from shorts
- · Reduces the risk of battery explosion caused by sparks
- High temperature PVC construction, rated at 190°F (90°C)
- Color-coded for easy polarity identification

Straight Clamp



Gauge	Red	Black	
1 & 2	8-7122 8-7123		
1/0 & 2/0	<u>8 2/0</u> 8-7124 8-712		
3/0 & 4/0	8-7126	8-7127	





Gauge	Red	Black
1/0 & 3/0	8-7132	8-7133



Left Elbow

Gauge	Red	Black
1/0 & 3/0	1	8-7137



Flag Clamp

Gauge	Red	Black
1/0 & 2/0	8-7142	8-7143





Heavy Duty Starter

Gauge	Red	Black
1/0 & 2/0	8-7146	8-7147



Straight or Angle Lug

Gauge	Red	Black	
4	8-7150	8-7151	

SOLDER SLUGS

Solder Flux

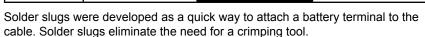
Part No.	Description	Qty.
7-259	2 oz. bottle of solder flux	1

• Cleans conductors and terminals for soldering



Solder Slugs

Part No.	Wire Gauge	Color	Qty.
7-260	6	Gray	25
7-261	4	Gray	25
7-262	2	Green	25
7-263	1	Pink	25
7-264	1/0	Black	25
7-265	2/0	Orange	25
7-266	3/0	Purple	25
7-267	4/0		25



- Makes an OEM quality sealed connection
- Drop slug into terminal, insert cable, heat...finished!
- Fast-easy-clean-safe
- For best results, use STA-DRY® heat shrink tubing



Solder Kit

Part No.	Description
7-1800	Solder kit

7-1800 Contents:

Replacement Part No.	Description	Qty.
6-402	STA-DRY® heat shrink tubing 6-4 ga., 1/2", black	10
6-403	STA-DRY® heat shrink tubing 6-4 ga., 1/2", red	10
6-404	STA-DRY® heat shrink tubing 2-2/0 ga., 3/4", black	10
6-405	STA-DRY® heat shrink tubing 2-2/0 ga., 3/4", red	10
7-259	Battery terminal solder flux	1
7-260	Solder slug - 6 ga., gray	20
7-261	Solder slug - 4 ga., gray	20
7-263	Solder slug - 1 ga., pink	10
7-264	Solder slug - 1/0 ga., black	10
7-265	Solder slug - 2/0 ga., orange	10



7-1800

BATTERY FASTENER HARDWARE

- Complete selection of standard and heavy duty battery related hardware
- Hardware meets or exceeds OEM, SAE or MIL specifications, where relevant

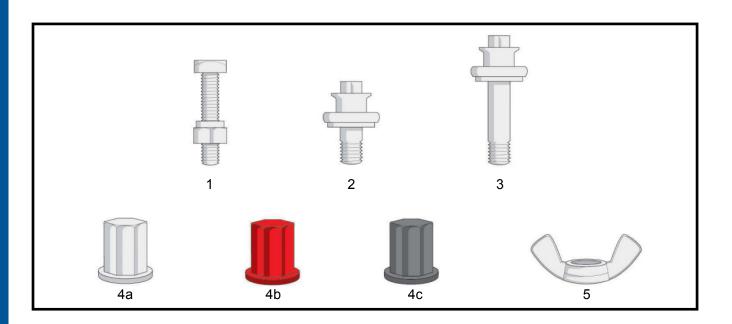


Fig.	Part No.	Description	Qty.
1	8-651	Bolt, square head and shoulder nut, 5/16" - 18 x 1-1/4", steel, tin-plated	10
2	8-656	Bolt, side terminal, 3/8" - 16 x 15/32", for single power lead, OEM type	10
3	8-657	Bolt, side terminal, 3/8" - 16 x 1", for dual power leads, OEM type	10
4a	8-662	Nut, closed-cap, 3/8" - 16, stainless steel, group 31, universal	10
4b	8-663	Nut, closed-cap, 3/8" - 16, red, stainless steel, positive	10
4c	8-664	Nut, closed-cap, 3/8" - 16, black, stainless steel, negative	10
5	8-667	Nut, wing, 3/8" - 16	10

BATTERY BOXES & HOLD-DOWNS

Commercial Battery Boxes

Part No.	Description
9-404	8D High (Inside 21"L x 11-3/4"W x 11"D, Outside 24-1/2"L x 14-1/2"W x 13"D)

- Composite
- · Resists acid, gasoline, oil and solvents
- Flame resistant
- UV stabilized (rating 6)
- Rugged, durable heavy wall construction
- Top vents prevent hydrogen gas build-up
- Cover held firmly with convenient thumb screws



Heavy Duty Battery Boxes

Part No.	Description
9-405	Group 24 (Inside 10-3/8"L x 7"W x 9-1/2"H, Outside 16-1/2"L x 9"W x 10-1/4"H)
9-407	Group 24-31 (Inside 12-3/4"L x 7-1/4"W x 9-3/4"H, Outside 14-3/4"L x 9"W x 10-1/2"H)

- · Acid-proof, seamless polyethylene construction keeps battery clean and dry
- Top vents prevent hydrogen gas build-up
- Includes hold-down strap and mounting brackets

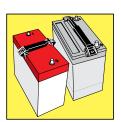


Battery Hold-Down

Description	5 1/2" to 9"	8 5/8" to 14 3/4"
Offset hold-down	9-413	-
Flush hold-down	-	9-416

- Infinitely adjustable and lockable
- Non-conductive; eliminates hold-down as source of shorts
- Ideal for all applications
- Fiberglass-reinforced polypropylene is rust and corrosion proof
- · Does not include mounting hardware
- Standard pack of 1





Hold-Down Bolt Sets - "L" Style



Part No.	Description	Qty.
9-427	Hold-down bolt set, 8"	1
9-428	Hold-down bolt set, 10"	1

- Long thread accommodates all crossbar / frame designs
- Use with battery trays
- "L" style bend eliminates any need to shift or remove battery
- · Sold as a pair hardware included

BOOSTER CABLES

- · Tangle-proof cable
- Flexible from -58°F to 221°F (-50°C to 105°C)
- 100% copper welding cable for maximum conductivity
- Solid copper 500 and 800 amp clamps

Booster Clamps



Description	500 amp	800 amp
Booster clamps	9-309	9-310

- Solid copper parrot clamps
- · Sold in pairs only
- · Hardware included
- 9-309 will accept up to 1/0 ga. lug and cable
- 9-310 will accept up to 3/0 ga. lug and cable

Heavy Duty Booster Cable



Part No.	Gauge	Amp	Length	Clamp Style
9-313	4	500	16'	Coated parrot
9-323	2	500	20'	Mechanic

- Resealable vinyl bag
- · Carrying handle

Commercial Heavy Duty Booster Cable

Part No.	Gauge	Amp	Length	Clamp Style
9-325	2/0	800	20'	Parrot clamp

- Resealable / waterproof bucket
- Carrying handle



PREVENTIVE MAINTENANCE

Protective Spray

Part No.	Description	Qty.
8-752	Protective aerosol spray, 10 oz.	1

- Red spray protects exposed electrical connections from corrosion, ensuring maximum current flow
- · Use on battery terminals, connectors and hardware
- · Compact size fits in toolbox or pocket
- · For occasional use



Part No. Description 9-435 Felt washers, top post terminal, black, 100 pieces 9-436 Felt washers, top post terminal, red, 100 pieces

- Contains long-lasting corrosion inhibitors to extend life of battery connectors and hardware
- · Easy to install slip over post









Protective Washers



SERVICE KITS

Field Service Kit



9-1002

Part No.	Description
9-1002	2/0 battery cable field service kit

9-1002 Contents:

Replacement Part No.	Description	Qty.
-	Heavy duty handheld cable cutter	1
4-152	Heavy duty handheld hex crimp tool	1
6-211	Red 6" heat shrink tubing, 6-2/0 ga.	2
6-212	Black 6" heat shrink tubing, 6-2/0 ga.	2
8-1160	2/0 ga. straight clamps, positive	2
8-1161	2/0 ga. straight clamps, negative	2
8-1460	2/0 ga. flag clamps, positive	2
8-1461	2/0 ga. flag clamps, negative	2
8-4165	2/0 ga. heavy duty tin plated straight lugs, 1/2" stud	2
8-4763	2/0 ga. single cable locking anti-rotational lugs, 3/8" stud	2
8-4863	2/0 ga. dual cable locking anti-rotational lugs, 3/8" stud	2
8-7124	Red terminal protectors, straight clamps - fits 1/0 and 2/0 ga.	4
8-7125	Black terminal protectors, straight clamps - fits 1/0 and 2/0 ga.	4
8-7142	Red terminal protectors, flag clamps - fits 1/0 and 2/0 ga.	2
8-7143	Black terminal protectors, flag clamps - fits 1/0 and 2/0 ga.	2

- Field repair kit contains components to build or repair 2/0 battery cables
- Portable and convenient durable (7) compartment metal box with handle and latch

Field Service Kit - Heavy Duty

Part No.	Description
9-1004	Heavy duty battery cable field service kit

9-1004 Contents:

8-4763

8-4863

8-7124

8-7125

8-7142

8-7143

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9-1004

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Replacement Part No.	Description	Qty.	
6-404	Black 1.5" heat shrink tubing, 6-2/0 ga.	20	
6-405	Red 1.5" heat shrink tubing, 6-2/0 ga.	20	
8-651	5/16" x 1 1/4" tin plated battery bolts and 5/16" nuts		
8-662	3/8" stainless steel closed cap nuts	5	
8-1160	2/0 ga. straight clamps, positive	10	
8-1161	2/0 ga. straight clamps, negative	10	
8-1460	2/0 ga. flag clamps, positive	4	
8-1461	2/0 ga. flag clamps, negative	4	
8-2263	2/0 ga. tin plated straight lugs, 3/8" stud	10	
8-2265	2/0 ga. tin plated straight lugs, 1/2" stud	10	
8-2763	8-2763 2/0 ga. terminal locking lugs, 3/8" stud		
8-2765	2/0 ga. terminal locking lugs, 1/2" stud		
8-4165	2/0 ga. heavy duty tin plated straight lugs, 1/2" stud	5	

- Assortment contains components needed to make OEM quality cables
- Durable 24 compartment metal box with handle and latch fits into standard fastener rack

2/0 ga. single cable locking anti-rotational lugs, 3/8" stud

Red terminal protectors, straight clamps - fits 1/0 and 2/0 ga.

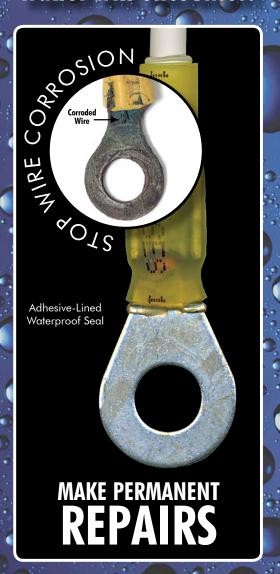
Black terminal protectors, straight clamps - fits 1/0 and 2/0 ga.

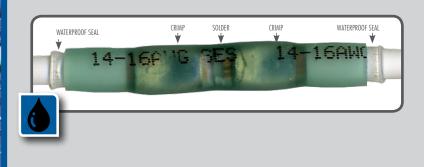
Red terminal protectors, flag clamps - fits 1/0 and 2/0 ga. Black terminal protectors, flag clamps - fits 1/0 and 2/0 ga.

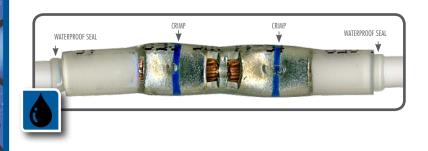
2/0 ga. dual cable locking anti-rotational lugs, 3/8" stud

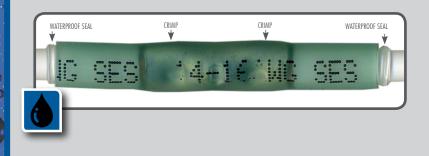
PHLIPS STA-DRY® HEAT SHRINK CONNECTORS

Designed to meet the harshest electrical demands a tractor or trailer will encounter!

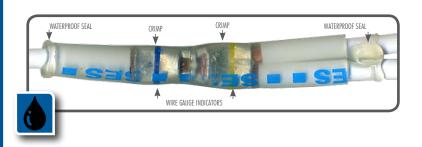








SPECIALTY TRAILER WIRING



CRIMP, SOLDER & SEAL™ The Ultimate Electrical Connection!

- · Crimp provides mechanical reliability and holds wires in place for soldering
- Solder provides maximum tensile strength and conductivity
- Seal prevents wire corrosion ... Keeps out moisture and road salts

1-1862



81% stonger than



CLEAR-VU™, CRIMP & SEAL™ Innovative Crimp Connectors!

- Crystal-clear tubing provides unparalleled visual inspection and weatherproof seal
- Window ensures the wire is stripped to proper length and is fully seated to wire stop
- Color-coded stripes identify wire gauge size and show where to crimp the connector

1-1662



50% stonger than



CRIMP & SEAL™ Excellent Mechanical Connection!

- Crimp provides mechanical reliability for excellent conductivity
- Seal prevents wire corrosion ... Keeps out moisture and road salts

1-1962



50% stonger than



STA-DRY™ MULTIPLE WIRE CONNECTOR

- Allows splicing 2 wires to 1 wire
- Easy to crimp for a strong mechanical termination
- Window allows for visual inspection
- Seal prevents wire corrosion

1-1724



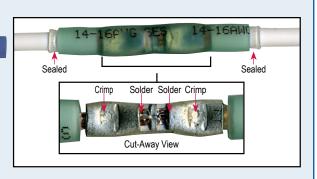
STA-DRY® CRIMP, SOLDER & SEAL™

The Ultimate Electrical Connection!



- · Crimp provides mechanical reliability and holds wires in place for soldering
- · Solder flows into window to solder wire to connector
- Solder provides maximum tensile strength and conductivity
- · Seal prevents wire corrosion...keeps out moisture and road salts
- CRIMP, SOLDER & SEAL™ connectors meet or exceed the most stringent OEM standards
- RoHS compliant





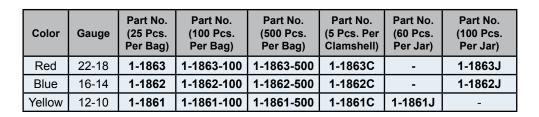
Butt Connectors

















SHAKE JAR

Ring Terminals









Color	Gauge	Stud	Part No. (25 Pcs. Per Bag)	Part No. (5 Pcs. Per Clamshell)
Red	22-18	#10	1-1878	-
Blue	16-14	#10	1-1875	1-1875C
Blue	16-14	1/4"	1-1876	-
Blue	16-14	3/8"	1-1877	-
Yellow	12-10	#10	1-1871	-
Yellow	12-10	1/2"	1-1872	-
Yellow	12-10	1/4"	1-1873	1-1873C
Yellow	12-10	3/8"	1-1874	1-1874C

Spade Terminals

Color	Gauge	Stud	Part No. (25 Pcs. Per Bag)
Blue	16-14	#10	1-1880
Yellow	12-10	#10	1-1879





Slip-On Terminals

Color	Gauge	Tab	Style	Part No. (25 Pcs. Per Bag)	Part No. (5 Pcs. Per Clamshell)
Blue	16-14	.250"	Female	1-1893	1-1893C
Blue	16-14	.250"	Male	1-1894	1-1894C
Yellow	12-10	.250"	Female	1-1891	-
Yellow	12-10	.250"	Male	1-1892	-





STA-DRY® CRIMP, SOLDER & SEAL™ Kit

Part No.	Description
1-1803	STA-DRY® CRIMP, SOLDER & SEAL™ kit

|--|

1-1803 Contents:			
Connector Style	Gauge & Size	Part No.	Qty.
Butt connector	12-10	1-1861	4
Butt connector	16-14	1-1862	8
Butt connector	22-18	1-1863	4
Ring	12-10, 1/4"	1-1873	4
Ring	12-10, 3/8"	1-1874	4
Ring	16-14, 10"	1-1875	4
Ring	16-14 1/4"	1-1876	4
Ring	16-14, 3/8"	1-1877	4
Ring	22-18, 10"	1-1878	3
Female slip-on	16-14, .250"	1-1893	3
Male slip-on	16-14, .250"	1-1894	3



1-1803 11 Part #'s, 45 Pieces 7 1/2 in. x 3 3/4 in.

STA-DRY® CLEAR-VU™ CRIMP & SEAL™

Innovative Crimp Connectors!

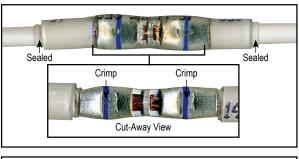


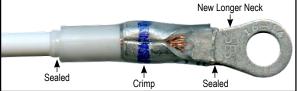
50% stronger than



- CLEAR-VU™ crystal-clear tubing provides unparalleled visual inspection
- Window ensures the wire is stripped to the proper length and is fully seated to wire stop
- Color-coded stripes identify wire gauge size to use and where to crimp the connector
- · Crimp provides mechanical reliability for excellent conductivity
- Waterproof seal prevents wire corrosion ...keeps out moisture and road salts
- Seamless barrel ensures superior crimp performance
- · Wire-stop prevents over-insertion of wire
- Wire gauge imprint simplifies wire size identification
- RoHS compliant

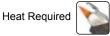






CLEAR-VU™ Window Butt Connectors





Color	Gauge	Part No. (25 Pcs. Per Bag)	Part No. (100 Pcs. Per Bag)	Part No. (60 Pcs. Per Jar)	Part No. (100 Pcs. Per Jar)
Red	22-18	1-1661	1-1661-100	-	1-1661J
Blue	16-14	1-1662	1-1662-100	-	1-1662J
Yellow	12-10	1-1663	1-1663-100	1-1663J	-







SHAKE JAR

CLEAR-VU™ Window Step-Down Connectors



	то		Part No.
Gauge	Side 1 ga.	Side 2 ga.	(25 Pcs. Per Bag)
16-14	22-18	16-14	1-1618
12-10	16-14	12-10	1-1617
8	12-10	8	1-1616

CLEAR-VU™ Ring Terminals

Color	Gauge	Stud	Part No. (25 Pcs. Per Bag)
Blue	16-14	#10	1-1623
Blue	16-14	1/4"	1-1624
Blue	16-14	3/8"	1-1626
Yellow	12-10	#10	1-1633
Yellow	12-10	1/4"	1-1634
Yellow	12-10	3/8"	1-1636





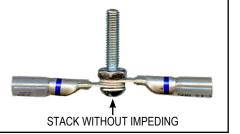








CLEAR-VU™ ring terminals have a longer neck, enabling them to be stacked without the tubing impeding contact between the screw and terminal and providing a flush mount.









CLEAR-VU™ Fully Insulated Slip-On Terminals

Color	Gauge	Tab	Style	Part No. (25 Pcs. Per Bag)
Red	22-18	.250"	Female	1-1675
Red	22-18	.250"	Male	1-1676
Blue	16-14	.250"	Female	1-1671
Blue	16-14	.250"	Male	1-1672
Yellow	12-10	.250"	Female	1-1665
Yellow	12-10	.250"	Male	1-1666





STA-DRY® CRIMP & SEAL™

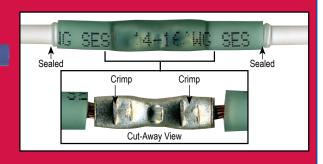
A Strong Electrical Connection!



SAS DAVELED SAS DAVELED 50% stronger than

- · Crimp provides mechanical reliability for excellent conductivity
- Seal prevents wire corrosion ... Keeps out moisture and road salts
- RoHS compliant





Butt Connectors



Heat Required	1

Color	Gauge	Part No. (25 Pcs. Per Bag)	Part No. (100 Pcs. Per Bag)	Part No. (500 Pcs. Per Bag)	Part No. (5 Pcs. Per Clamshell)	Part No. (60 Pcs. Per Jar)	Part No. (100 Pcs. Per Jar)
Red	22-18	1-1961	1-1961-100	1-1961-500	1-1961C	-	1-1961J
Blue	16-14	1-1962	1-1962-100	1-1962-500	1-1962C	-	1-1962J
Yellow	12-10	1-1963	1-1963-100	1-1963-500	1-1963C	1-1963J	-
Red	8	1-1964	-	-	-	-	-







SHAKE JAR

Step-Down Connectors





Color	Gauge	Side 1 ga. T	O Side 2 ga.	Part No. (10 Pcs. Per Bag)
Blue	16-14	22-18	16-14	1-1728
Yellow	12-10	16-14	12-10	1-1727
Red	8	12-10	8	1-1726

- Connects 2 different wire gauges
- · Each end color coded



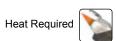
Ring Terminals

Color	Gauge	Stud	Part No. (10 Pcs. Per Bag)	Part No. (25 Pcs. Per Bag)	Part No. (100 Pcs. Per Bag)	Part No. (5 Pcs. Per Clamshell)
Red	22-18	#6	-	1-1917	-	-
Red	22-18	#8	-	1-1918	-	-
Red	22-18	#10	-	1-1919	-	1-1919C
Red	22-18	1/4"	-	1-1920	-	-
Blue	16-14	#6	-	1-1921	-	-
Blue	16-14	#8	-	1-1922	-	-
Blue	16-14	#10	-	1-1923	1-1923-100	1-1923C
Blue	16-14	1/4"	-	1-1924	1-1924-100	1-1924C
Blue	16-14	5/16"	-	1-1925	-	-
Blue	16-14	3/8"	-	1-1926	1-1926-100	1-1926C
Yellow	12-10	#8	-	1-1932	-	-
Yellow	12-10	#10	-	1-1933	1-1933-100	1-1933C
Yellow	12-10	1/4"	-	1-1934	1-1934-100	1-1934C
Yellow	12-10	5/16"	-	1-1935	-	-
Yellow	12-10	3/8"	-	1-1936	1-1936-100	-
Yellow	12-10	1/2"	-	1-1937	-	-
Red	8	#10	1-1945	-	-	-
Red	8	1/4"	1-1946	-	-	-
Red	8	5/16"	1-1947	-	-	-
Red	8	3/8"	1-1948	-	-	-





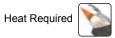




Spade Terminals

Color	Gauge	Stud	Part No. (25 Pcs. Per Bag)
Red	22-18	#8	1-1939
Blue	16-14	#6	1-1940
Blue	16-14	#8	1-1941
Blue	16-14	#10	1-1942
Yellow	12-10	#10	1-1944



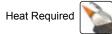


Fully Insulated Slip-On Terminals









Color	Gauge	Tab	Style	Part No. (25 Pcs. Per Bag)	Part No. (100 Pcs. Per Bag)	Part No. (5 Pcs. Per Clamshell)
Red	22-18	.250"	Female	1-1975	-	1-1975C
Red	22-18	.250"	Male	1-1976	-	1-1976C
Blue	16-14	.250"	Female	1-1971	1-1971-100	1-1971C
Blue	16-14	.250"	Male	1-1972	1-1972-100	1-1972C
Yellow	12-10	.250"	Female	1-1965	1-1965-100	1-1965C
Yellow	12-10	.250"	Male	1-1966	1-1966-100	-

Slip-On Terminals





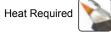




Color	Gauge	Tab	Style	Part No. (25 Pcs. Per Bag)
Red	22-18	.110"	Female	1-1950
Red	22-18	.250"	Female	1-1951
Red	22-18	.250"	Male	1-1952
Blue	16-14	.187"	Female	1-1953
Blue	16-14	.250"	Female	1-1954
Blue	16-14	.250"	Male	1-1955
Yellow	12-10	.250"	Female	1-1956
Yellow	12-10	.250"	Male	1-1957

4-Wire Connectors





Color	Gauge	Part No. (25 Pcs. Per Bag)
Blue	16-14	1-2241
Yellow	12-10	1-2242

Bullet Connectors

Color	Gauge	Diameter	Style	Part No. (25 Pcs. Per Bag)	Part No. (100 Pcs. Per Bag)	Part No. (5 Pcs. Per Clamshell)
Red	22-18	.157"	Male	1-1982	-	-
Red	22-18	.180"	Male	1-2268	-	-
Red	22-18	.157"	Female	1-1981	-	-
Red	22-18	.180"	Female	1-2266	-	-
Blue	16-14	.157"	Male	1-1984	-	-
Blue	16-14	.180"	Male	1-2269	1-2269-100	1-2269C
Blue	16-14	.157"	Female	1-1983	-	-
Blue	16-14	.180"	Female	1-2267	1-2267-100	1-2267C







STA-DRY® CRIMP & SEAL™ Kits



Part # 1-1905 4 Part #'s 30 Pieces 1 Mini-Torch 7 1/2 in. x 3 3/4 in.



Part # 1-1903
12 Part #'s
56 Pieces
7 1/2 in. x 3 3/4 in.

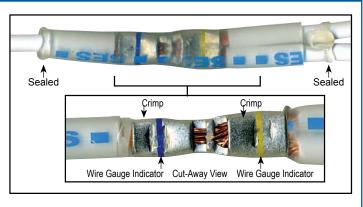


Part # 1-1900 12 Part #'s 115 Pieces 11 in. x 6 3/4 in.

Connector Style	Wire Gauge & Size	Part No.	1-1905 Mini Kit	1-1903 Mini Kit	1-1900 Kit
Ring	22-18, #10	1-1919	-	4	5
Ring	16-14, #10	1-1923	-	4	5
Ring	16-14, 1/4"	1-1924	-	4	5
Ring	16-14, 3/8"	1-1926	-	4	5
Ring	12-10, #10	1-1933	1	4	5
Ring	12-10, 1/4"	1-1934	1	4	5
Butt connector	22-18	1-1961	10	5	20
Butt connector	16-14	1-1962	10	10	30
Butt connector	12-10	1-1963	10	5	20
Butt connector	24-22	1-1967	ı	1	1
Female slip-on	16-14, .250"	1-1971	-	4	5
Male slip-on	16-14, .250"	1-1972	-	4	5
Female slip-on	22-18, .250"	1-1975	-	4	-
Mini-jet torch		4-054	1	-	-

STA-DRY® MULTIPLE WIRE CONNECTORS

- Window ensures the wire is stripped the proper length and is fully seated to wire stop
- Allows for "daisy chain" by joining 3 wires in-line
- Active adhesive seals between multiple wires to prevent corrosion
- Tapered barrel has a uniform copper wall, making it easy to crimp with a strong termination
- Color-coded stripes identify wire gauge size to use and where to crimp the connector
- Crimp provides mechanical reliability for excellent conductivity
- · RoHS compliant



Multiple Wire Connectors





Color	Gauge	Tubing Color	Part No. (10 Pcs. Per Bag)	Part No. (100 Pcs. Per Bag)	Part No. (25 Pcs. Per Jar)
Red	22-18	Clear/Red	1-1725	1-1725-100	-
Blue	16-14	Clear/Blue	1-1724	1-1724-100	1-1724J NEW
Yellow	12-10	Clear/Yellow	1-1723	1-1723-100	-



Closed-End Connectors





Color	Gauge	Tubing Color	Part No. (10 Pcs. Per Bag)
Blue	22-14	Clear/Blue	1-1730
Yellow	18-10	Clear/Yellow	1-1729



PVC TERMINALS

STUD HOLE CHART

Actual-Size Stud Hole Guage

 \bigcirc \bigcirc

#10

#6

#8

1/4"

5/16"

3/8"

Stud Size	6	8	10	1/4	5/16	3/8	1/2
Hole Diam in	.143	.169	.196	.262	.323	.388	.516
Hole Diam mm	3.3632	4.292	4.978	6.655	8.204	9.855	13.106

Butt Connectors - PVC

Color	Gauge	Part No. (25 Pcs. Per Bag)	Part No. (100 Pcs. Per Bag)
Red	22-18	-	1-51006
Blue	16-14	1-51104	1-51106
Yellow	12-10	1-51204	1-51206
Blue	6	1-51304 NEW	-



Hook Terminal - PVC

Color	Gauge	Stud	Part No. (25 Pcs. Per Bag)
Blue	16-14	#10	1-52424



Ring Terminals - PVC







Color	Gauge	Stud	Part No. (25 Pcs. Per Bag)	Part No. (50 Pcs. Per Bag)	Part No. (100 Pcs. Per Bag)
Red	22-18	#10	-	-	1-52026
Red	22-18	1/4"	1-52034	-	-
Red	22-18	5/16"	1-52044	-	-
Red	22-18	3/8"	1-52054	-	-
Blue	16-14	#6	1-52104	-	-
Blue	16-14	#8	1-52114	-	1-52116
Blue	16-14	#10	1-52124	-	1-52126
Blue	16-14	1/4"	1-52134	-	1-52136
Blue	16-14	5/16"	1-52144	-	1-52146
Blue	16-14	3/8"	1-52154	-	1-52156
Yellow	12-10	#8	1-52214	-	1-52216
Yellow	12-10	#10	1-52224	-	1-52226
Yellow	12-10	1/4"	1-52234	-	1-52236
Yellow	12-10	5/16"	1-52244	-	1-52246
Yellow	12-10	3/8"	1-52254	-	1-52256
Yellow	12-10	1/2"	-	1-52265	-
Blue	6	1/4"	1-52334 NEW	-	-
Blue	6	3/8"	1-52354 NEW		-
Blue	6	1/2"	1-52364 NEW	-	-

Spade Terminals - PVC



Color	Gauge	Stud	Part No. (25 Pcs. Per Bag)
Red	22-18	#8	1-54014
Red	22-18	#10	1-54024
Blue	16-14	#6	1-54104
Blue	16-14	#8	1-54114
Blue	16-14	#10	1-54124
Yellow	12-10	#10	1-54224
Yellow	12-10	1/4"	1-54234

Slip-On Terminals - PVC





Color	Gauge	Tab	Style	Part No. (25 Pcs. Per Bag)	Part No. (50 Pcs. Per Bag)	Part No. (100 Pcs. Per Bag)
Blue	16-14	.250"	Male	1-53104	1-53105	-
Blue	16-14	.250"	Female	1-53114	1-53115	-
Blue	16-14	.187"	Female	1-53134	-	-
Yellow	12-10	.250"	Male	1-53204	-	1-53206
Yellow	12-10	.250"	Female	1-53214	-	1-53216

Fully Insulated Slip-On Terminals - PVC

Color	Gauge	Tab	Style	Part No. (25 Pcs. Per Bag)	Part No. (50 Pcs. Per Bag)
Red	22-18	.250"	Male	1-53304	-
Red	22-18	.250"	Female	1-53314	-
Blue	16-14	.250"	Male	1-53404	-
Blue	16-14	.250"	Female	1-53414	-
Yellow	12-10	.250"	Male	1-53504	1-53505
Yellow	12-10	.250"	Female	1-53514	1-53515







Bullet Connectors - PVC

Color	Gauge	Diameter	Style	Part No. (25 Pcs. Per Bag)	Part No. (50 Pcs. Per Bag)	Part No. (100 Pcs. Per Bag)
Blue	16-14	.157"	Male	1-55104	-	1-55106
Blue	16-14	.157"	Female	1-55114	-	1-55116
Blue	16-14	.188"	Male	1-55124	1-55125	-
Blue	16-14	.188"	Female	1-55134	1-55135	-





Quick Splice - PVC

Color	Gauge	Style	Part No. (5 Pcs. Per Bag)	Part No. (15 Pcs. Per Bag)	Part No. (25 Pcs. Per Bag)	Part No. (100 Pcs. Per Bag)
Red	22-18	In-line	1-56001	1-56003	-	-
Red	22-18	T-tap	1-56011	1-56013	-	-
Blue	16-14	In-line	1-56101	-	1-56104	1-56106
Blue	16-14	T-tap	1-56111	-	1-56114	1-56116
Yellow	12-10	In-line	1-56201	1-56203	-	-
Yellow	12-10	T-tap	1-56211	1-56213	-	-



Wire Terminal Kit - PVC



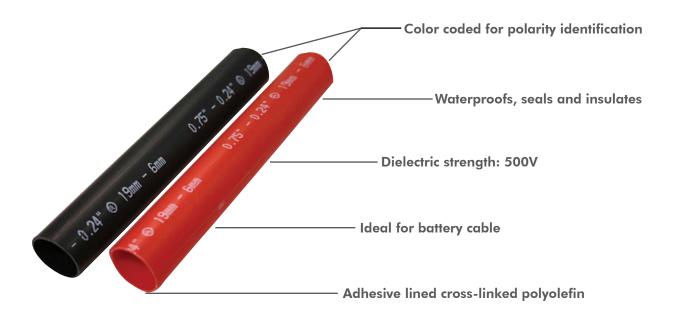
1-2200

Part No.	Description
1-2200	PVC wire terminal kit

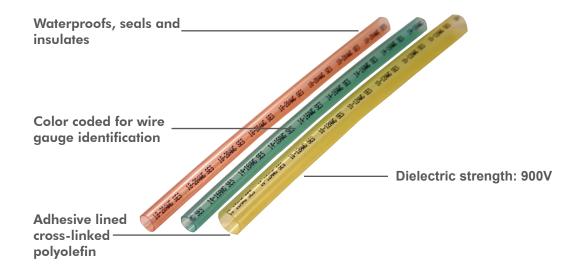
1-2200 Contents:					
Equivalent Replacement Part No.		Description			
1-51006	Butt connecto	or - 22-18 ga., insulated PVC	50		
1-51106	Butt connecto	or - 16-14 ga., insulated PVC	50		
1-51206	Butt connecto	or - 12-10 ga., insulated PVC	50		
1-52104	Ring terminal	- 16-14 ga., #6, insulated PVC	25		
1-52126	Ring terminal	- 16-14 ga., #10, insulated PVC	25		
1-52136	Ring terminal	- 16-14 ga., 1/4", insulated PVC	25		
1-52156	Ring terminal	Ring terminal - 16-14 ga., 3/8", insulated PVC			
1-52226	Ring terminal - 12-10 ga., #10, insulated PVC				
1-52236	Ring terminal - 12-10 ga., 1/4", insulated PVC				
1-52256	Ring terminal - 12-10 ga., 3/8", insulated PVC				
1-53105	Slip-on terminal - 16-14 ga., .250 male, insulated PVC				
1-53115	Slip-on termir	nal - 16-14 ga., .250 female, insulated PVC	25		
1-53404	Slip-on termin	nal - 16-14 ga., .250", male, fully insulated PVC	25		
1-53414	Slip-on termir	nal - 16-14 ga., .250", female, fully insulated PVC	50		
1-54124	Spade termin	al - 16-14 ga., #10, PVC	25		
1-54224	Spade termin	al - 12-10 ga., #10, PVC	25		
1-55106	Bullet connec	tor - 16-14 ga., .157", male, insulated PVC	25		
1-55125	Bullet connector - 16-14 ga., .188", male, insulated PVC				
1-56106	Quick splice	Quick splice - 16-14 ga., inline, PVC			
4-214	Shop tool - w	ool - wire stripping and crimping tool			
8-48087	Cable tie - 8"	blade, nylon, 50lb.	20		

HEAT SHRINK TUBING

STA-DRY® Heavy Duty Dual Wall



STA-DRY® CLEAR-VU™ Dual Wall



HEAT SHRINK TUBING



DO IT ONCE. DO IT RIGHT

Phillips STA-DRY® heat shrink tubing provides the best protection for connections subject to extreme conditions. Heat shrink tubing provides outstanding defense from calcium and magnesium chlorides, heat, shock, cold, vibration, moisture and other critical environmental conditions.

Heat shrink tubing can extend the life of terminals indefinitely and assures reliable electrical performance. When heated, the inner wall of adhesive within Dual Wall tubing conforms to the size and shape of the underlying materials making a fast, easy, semi-permanent seal with natural strain-relief properties.

	Heavy Duty Dual Wall	CLEAR-VU™ Hi-Flow	CLEAR-VU™ Dual Wall	Flexible Dual Wall	Single Wall
Material	Cross-Linked Polyolefin	Cross-Linked Polyolefin	Cross-Linked Polyolefin	Cross-Linked Polyolefin	Cross-Linked Polyolefin
Shrink Ratio	3:1	4:1	3:1	3:1	2:1
Colors	Red and Black	Clear	Translucent Red, Blue, Yellow	Red, Black and Clear	Red, Blue, Yellow
Meltable Sealant	Yes	Yes	Yes	Yes	No
UL	486 D	No	E157227	E157227	E35506
CSA	C622.2	No	No	No	LR31929
Military Spec.	MIL-DTL-23053/15, Class 2	No	MIL-DTL-23053/4	MIL-DTL-23053/4 Class 3	MIL-DTL-23053/5, Class 1
Flame Retardant	Yes	No	No	Red and Black	Yes
Operating Temperature	-67°F To 230°F (-55°C To 110°C)	-67°F To 275°F (-55°C To 135°C)			

STA-DRY® Heavy Duty Dual Wall







- · 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

ı	Color	Wire Gauge*	Expanded ID	After Recovery	Qty.	Length	Part No.	
RED	Red	8-6	.500"	.0167"	6	6"	6-210	RED
	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	Black	12-10	.400"	.150"	6	6"	6-202	BLACK
	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

STA-DRY® Hi-Adhesive Flow Tubing

Color	Wire Gauge*	Expanded ID	After Recovery	Qty.	Length	Part No.
Red	20-10	0.30"	0.06"	6	6"	6-351
Blue	16-8	0.35"	0.08"	6	6"	6-353
Yellow	14-4	0.45"	0.105"	6	6"	6-355
Orange	8-2/0	0.70"	0.175"	6	6"	6-357

- * Recommended wire gauge
- · Waterproofs, seals and insulates
- · Adhesive-lined, cross-linked polyolefin
- Active adhesive seals between multiple wires to prevent corrosion
- Dielectric strength: 500V





STA-DRY® Flexible Dual Wall

Red	1-2/0			Qty.	Length	Part No.	
	1-2/0	0.750"	0.250"	6	6"	6-306	RED
Red	1/0-4/0	1.000"	0.320"	6	6"	6-308	Ü
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	四
Black	12-10	0.375"	0.120"	6	6"	6-302	BLACK
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
Clear	12-10	.375"	.120"	6	6"	6-313	ar
Clear	8-6	.500"	.160"	6	6"	6-314	
Clear	4-2/0	.750"	.250"	6	6"	6-315	
	Black Black Black Black Black Clear Clear Clear Clear Clear	Black 20-16 Black 16-14 Black 12-10 Black 8-6 Black 1-2/0 Black 1/0-4/0 Clear 22-18 Clear 20-16 Clear 16-14 Clear 12-10 Clear 8-6	Black 20-16 0.187" Black 16-14 0.250" Black 12-10 0.375" Black 8-6 0.500" Black 1-2/0 0.750" Black 1/0-4/0 1.000" Clear 22-18 .125" Clear 20-16 .187" Clear 16-14 .250" Clear 12-10 .375" Clear 8-6 .500"	Black 20-16 0.187" 0.062" Black 16-14 0.250" 0.080" Black 12-10 0.375" 0.120" Black 8-6 0.500" 0.160" Black 1-2/0 0.750" 0.250" Black 1/0-4/0 1.000" 0.320" Clear 22-18 .125" .040" Clear 20-16 .187" .062" Clear 16-14 .250" .080" Clear 12-10 .375" .120" Clear 8-6 .500" .160" Clear 4-2/0 .750" .250"	Black 20-16 0.187" 0.062" 6 Black 16-14 0.250" 0.080" 6 Black 12-10 0.375" 0.120" 6 Black 8-6 0.500" 0.160" 6 Black 1-2/0 0.750" 0.250" 6 Black 1/0-4/0 1.000" 0.320" 6 Clear 22-18 .125" .040" 6 Clear 20-16 .187" .062" 6 Clear 16-14 .250" .080" 6 Clear 12-10 .375" .120" 6 Clear 8-6 .500" .160" 6 Clear 4-2/0 .750" .250" 6	Black 20-16 0.187" 0.062" 6 6" Black 16-14 0.250" 0.080" 6 6" Black 12-10 0.375" 0.120" 6 6" Black 8-6 0.500" 0.160" 6 6" Black 1-2/0 0.750" 0.250" 6 6" Black 1/0-4/0 1.000" 0.320" 6 6" Clear 22-18 .125" .040" 6 6" Clear 20-16 .187" .062" 6 6" Clear 16-14 .250" .080" 6 6" Clear 12-10 .375" .120" 6 6" Clear 8-6 .500" .160" 6 6" Clear 4-2/0 .750" .250" 6 6"	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





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

STA-DRY® CLEAR-VU™ Dual Wall

Red Red	22-18	0.245"	0.045"	6	-		
Red	00.40		0.0.0	U	6"	6-103	RED
	22-18	0.245"	0.045"	3	6"	6-103C	Ü
Blue	16-14	0.245"	0.080"	6	6"	6-105	٦В
Blue	16-14	0.245"	0.080"	3	6"	6-105C	UE
Yellow	12-10	0.360"	0.100"	6	6"	6-107	ЭΥ
Yellow	12-10	0.360"	0.100"	3	6"	6-107C	low
Y	Blue Blue 'ellow	Blue 16-14 Blue 16-14 'ellow 12-10	Blue 16-14 0.245" Blue 16-14 0.245" 'ellow 12-10 0.360"	Blue 16-14 0.245" 0.080" Blue 16-14 0.245" 0.080" 'ellow 12-10 0.360" 0.100"	Blue 16-14 0.245" 0.080" 6 Blue 16-14 0.245" 0.080" 3 'ellow 12-10 0.360" 0.100" 6	Blue 16-14 0.245" 0.080" 6 6" Blue 16-14 0.245" 0.080" 3 6" 'ellow 12-10 0.360" 0.100" 6 6"	Blue 16-14 0.245" 0.080" 6 6" 6-105 Blue 16-14 0.245" 0.080" 3 6" 6-105C 'ellow 12-10 0.360" 0.100" 6 6" 6-107

*Recommended wire gauge

- · Waterproof seal and insulates
- Adhesive lined cross-linked polyolefin
- · Color-coded for wire gauge identification
- "C" in part number denotes clamshell package
- Dielectric Strength: 900V



Single Wall



	Color	Wire Gauge*	Expanded ID	After Recovery	Qty.	Length	Part No.	ldle
RED	Red	22-18	.1875"	0.093"	6	6"	6-102	RED
R	Red	22-18	.1875"	0.093"	6	6"	6-102C	Ü
UE	Blue	16-14	.2500"	0.125"	6	6"		ВЦ
BL	Blue	16-14	.2500"	0.125"	6	6"	6-104C	UE
OW	Yellow	12-10	.375"	0.187"	6	6"	6-106	Yel
Yellow	Yellow	12-10	.375"	0.187"	6	6"	6-106C	low

*Recommended wire gauge

- Insulates
- Flexible polyolefin
- Color-coded for wire gauge identification
- "C" in part number denotes clamshell package
- Dielectric strength: 900 Volts

STA-DRY® Heat Shrink Tubing Kits



STA-DRY® Flexible Dual Wall Part # 6-1800

12 Part #'s 78 Pieces 11 in. x 6 3/4 in.

PRIMARY WIRE APPLICATIONS



STA-DRY® Flexible Dual Wall Part # 6-1801

12 Part #'s 150 Pieces Fits in Standard Cabinets

PRIMARY WIRE APPLICATIONS

Part No.	Туре	Wire Gauge	6-1800 Mini Kit	6-1801 Drawer
6-300	STA-DRY® flexible dual wall	20-16 AWG	10	15
6-301	STA-DRY® flexible dual wall	16-14 AWG	10	15
6-302	STA-DRY® flexible dual wall	12-10 AWG	5	10
6-304	STA-DRY® flexible dual wall	8-6 AWG	2	10
6-305	STA-DRY® flexible dual wall	1-2/0 AWG	2	10
6-309	STA-DRY® flexible dual wall	22-18 AWG	10	15
6-310	STA-DRY® flexible dual wall	22-18 AWG	10	15
6-311	STA-DRY® flexible dual wall	20-16 AWG	10	15
6-312	STA-DRY® flexible dual wall	16-14 AWG	10	15
6-313	STA-DRY® flexible dual wall	12-10 AWG	5	10
6-314	STA-DRY® flexible dual wall	8-6 AWG	2	10
6-315	STA-DRY® flexible dual wall	4-2/0 AWG	2	10

Self-Sealing Shrink Tape

Part No.	Description
6-521	1" x 30'
6-522	1" x 10'

- For watertight connections that cannot use heat
- Tape seals to itself and creates a tight, yet flexible waterproof bond
- · Can be applied in any weather condition
- Withstands hard cleaning chemicals and steam
- · Conforms to the contours of oddly shaped objects
- · Seals to rubber, plastics and metals
- Rated from -40°F to 212°F (-40°C to 100°C)



Self-Sealing Pads

Part No.	Description	Qty.
6-532	2.5" x 2.5" pads	25

- Designed for moisture protection on all electrical connections, such as battery terminals
- 45 mil thickness provides outstanding corrosion, chemical and UV protection
- · Compatible with plastic, rubber and metal
- Rated from 0°F to 220°F (-18°C to 105°C)
- Rated to 600V



Torches

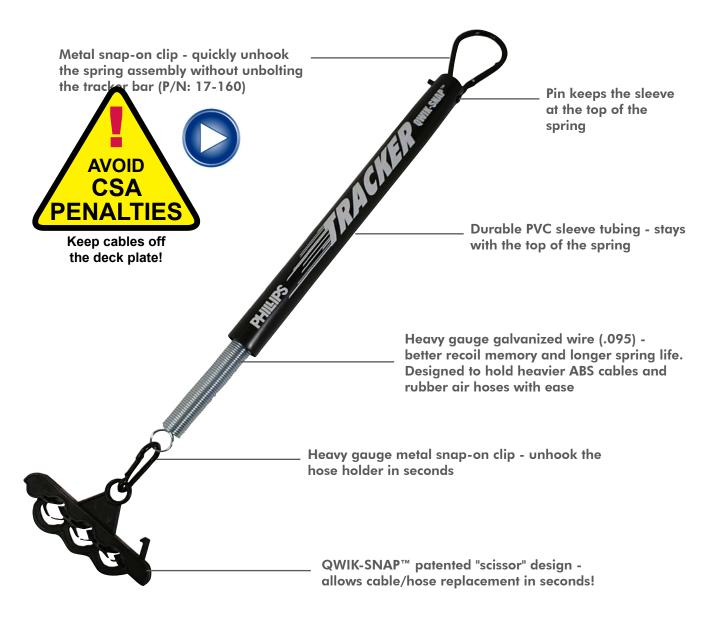
Part No.	Description
4-054	Mini-jet torch
4-057	Professional torch
4-058	Heavy duty torch

- Refillable butane tanks from 30 to 220 minute capacity depending on selected torch (butane not included)
- All torches meet Consumer Product Safety Commission 16CFR Part 1212 - Safety Standard for Multi-Purpose Lighter (Child Resistant)
- See page 173 and 174 for more details regarding each individual torch



CABLE/WIRE SUPPORT & ACCESSORIES

Tracker Spring Kit



Quick change - save up to 5 minutes!

STOW-A-WAY™

Part No.	Description
15-041	1 plug, 2 gladhand holder
15-042	2 plug, 2 gladhand holder

- 32% of truckers Workmen's Comp claims are from accidents occurring behind the cab, according to leading insurance carriers
- STOW-A-WAY™ offers safe, easy storage for coiled electrical cables, liftgate cables and air lines when not in use
- Corrosion resistant and extremely durable
- Air and electrical can be coupled/uncoupled with both feet on the ground
- Angled for easy access



Mounting Kit

Part No.	Description
17-039	Mounting kit

Securely mounts STOW-A-WAY™ to pogo sticks



Pogo Sticks

Part No.	Description
17-0240	24" chrome
17-0241	24" gold chromate
17-0400	40" chrome
17-0401	40" gold chromate

- Designed for heavier ABS cables
- Extra heavy duty internal spring
- Can accept STOW-A-WAY™ (15-041, 15-042), with 17-039 mounting kit
- Includes QWIK-SNAP™ 3-hose holder
- 8 in. coated spring for corrosion resistance
- Heavy duty 7/16 in. mounting bolt





Tracker Bar Kits



Part No.	Description
17-149	Kit with 43" bar and 20" spring
17-246	Kit with 36" bar and 25" spring
17-249	Kit with 36" bar and 20" spring

- · Back of cab cable support
- Kits include bar, snap-on clip, PVC sleeve, QWIK-SNAP™ 3-hose holder and spring
- · Stainless steel bar

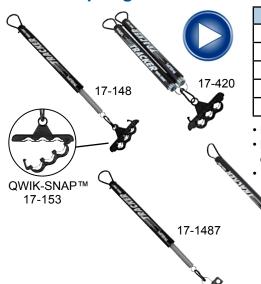


Tracker Bars

Part No.	Description	
17-147	Tracker bar, 43"	
17-247	Tracker bar, 36"	

· Stainless steel

Tracker Spring Kits



Part No.	Description	
17-145	Kit with single heavy duty spring, 25", with QWIK-SNAP™	
17-148	Kit with single heavy duty spring, 20", with QWIK-SNAP™	
17-1487	Kit with single heavy duty spring, 20", with U-bolt holder	
17-1488	Kit with 20.5" extra heavy duty spring, with cable clamp holder	
17-420	Kit with dual 16" springs, with QWIK-SNAP™	

- Replacement spring and hardware for tracker bars
- Kits include snap-on clip, PVC sleeve, spring(s) and 3-hose holder or cable clamp holder
- · Ideal for ABS cable use

17-1488



Sliding Axle Spring Kits



Part No.	Description	
17-182	Single 16" spring with QWIK-SNAP™ 2-hose holder	
17-183	Single 16" spring with QWIK-SNAP™ 3-hose holder	

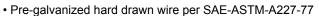
- Quick change save up to 5 minutes!
- Great spring memory
- · Won't chaff hoses

Replacement Springs

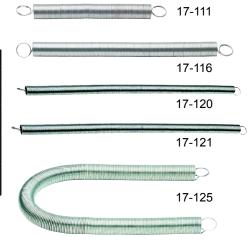
Sliding Axles			
Part No.		Description	
17-103	3" spring with	tandem frame clip (5-5007), 3/4" O.D.	
17-106	6" spring, 1.10	O" O.D.	

- For use on trailers with sliding axles
- Supports air lines to rear axle
- 17-106 has pre-galvanized hard drawn wire per SAE-ASTM-A227-77

Cable & Ho	se Support	
Part No.	Description	
17-111	11", tandem cable and air line support, 1.10" O.D.	
17-116	16", recommended for straight cable assemblies, 1.10" O.D.	
17-120	20", extra heavy duty, for use with ABS coiled assemblies, 0.90" O.D.	
17-121	20.5", extra heavy duty, for use with combination electrical and air assemblies and with hydraulic lines, 0.93" O.D.	
17-125	25", extra heavy duty, for use with ABS coiled assemblies, 0.90" O.D.	







Hose Separators

Part No.	Description	
17-150	2-hose separator, 3/8" hose	
17-151	4-hose separator, 3/8" hose	
17-155	2-hose separator, 1/2" hose	
17-170	2-hose separator, 1/2" and 3/8" hose	
17-171	4-hose separator, 1/2" hose	
17-172	2-hose separator, 3/8" and 1/4" hose	

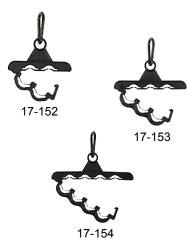
- · Keeps nylon air hoses secure and out of the way
- For tractor coiled air, trailer slider hose applications

17-150	17-151
17-155	DRC
17-170	17-171

QWIK-SNAP™ Hose Holders

ĺ	Part No.	Description
	17-152	2-hose holder
	17-153	3-hose holder
ĺ	17-154	4-hose holder

- Easy to use with gloves no loose parts
- Positive lock stays connected at over 80 lbs. of pull force
- Durable nylon for extreme weather, corrosion and impact resistance
- Quicker than conventional hose holders change hoses in seconds!
- Versatile design adjusts to accommodate 3/8" and 1/2" hoses
- Tested over 30,000 cycles with no sign of failure
- Patent No. 8,408,501



Eye Bolt Hose Holders



Part No.	Description	
17-156	2-hose holder, 3/4" O.D.	
17-177	3-hose holder, 3/4" O.D.	

- · Zinc-plated hardware
- · 2-piece ABS clamp

U-Bolt Hose Holders



Part No.	Description	
17-157	3-hose holder, 3/4" O.D.	
17-158	4-hose holder (2) 3/4" O.D. and (2) 5/8" O.D.	

- · Zinc-plated hardware
- 2-piece ABS clamp

Cable Clamp Holder



Part No.	Description	
5-5008	Cable clamp holder	
5-5018	Cable clamp holder with stainless steel snap-on clip (17-173)	

- Designed for use with the electrical and air combo assemblies (3-IN-1 and 4-IN-1)
- Offers easy installation

Snap-On Clip



Part No.	Description
17-160	Large snap-on clip, black, 4"
17-163	Small snap-on clip, black, 2.4"
17-169	Large snap-on clip, stainless steel, 4"
17-173	Small snap-on clip, stainless steel, 2.4"

- · Offers easy replacement for spring kits
- · No need to unhook tracker bar

Tandem Frame Clip



Part No.	Description	Qty.
5-5007	Frame clip	5

- · For wire, air hoses and tubing
- Easy to install, simply slide clip into place (can also be used with rivets or self-tapping screws)
- · Secure hose or tubing in place with spring or cable ties

Universal Gladhand Holder



Part No.	Description
15-039	Gold chromate
15-040	Chrome plated

- · Accepts individual gladhands
- Mounts at back of cab or attaches to pogo stick

CABLE TIES

Phillips Cable Ties

Manufactured to combine the lowest insertion force with the highest tensile strength. The design of the pawl (locking mechanism) makes Phillips cable ties superior in strength and allows our products to exceed the required industry standard tensile strengths.

Phillips Mounting Pads

Incorporates a unique no-slip tab that holds cable ties in place during installation.

Storage Recommendations for Cable Ties* and Mounting Pads**:

Store at room temperature in at least 50% humidity (recommended 80%RH) in a completely sealed polyethylene bag if not being used. In extreme heat and cold, limit the exposure of unused cable ties and/or mounting pads. If after being exposed to extreme temperatures and/or extreme relative humidities, the cable ties and/or mounting pads must be allowed to be stored at room temperature and at least 50% humidity (recommended 80%RH) for at least 24 hrs. in a sealed bag before being used again.

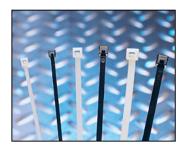
*Includes Assortment Pack

Storage Recommendations for Dual Tie Wraps:

Store at 73°F with 50%RH in a completely sealed polyethylene bag if not being used and avoid direct, prolonged exposure to heat sources and sunlight.

Light & Medium Duty Nylon - 18 & 50 lb

18 lb. Nyl	on				
Length	Per Bag	Tie Tensile	Bundle Diameter Inches (mm)	Part No.	Color
4"	100	18 lb.	0.157" (4) - 0.9" (22)	8-41047	UV Black



Length	Per Bag	Tie Tensile	Bundle Diameter Inches (mm)		Part No.	Color
4"	100	18 lb.	0.157" (4) - 0.9" (22)		8-41047	UV Black

50 lb. Nyl	on					
Length	Per Bag	Tie Tensile		Bundle Diameter Inches (mm)		Color
7.5"	100	50 lb.	0.276	8" (7) - 1.97" (50)	8-33087	Natural
11"	100	50 lb.	0.276	5" (7) - 2.76" (70)	8-33117	Natural
14"	100	50 lb.	0.276"	(7) - 4.016" (102)	8-33147	Natural
7.5"	40	50 lb.	0.07011 (7) 4.0711 (50)	8-43084	UV Black	
7.5	100	50 lb.	0.276	0.276" (7) - 1.97" (50)	8-43087	UV Black
11"	100	50 lb.	0.276	6" (7) - 2.76" (70)	8-43117	UV Black
14"	100	50 lb.	0.276"	(7) - 4.016" (102)	8-43147	UV Black
17"	100	50 lb.	0.276"	(7) - 4.331" (110)	8-43177	UV Black

- UL recognized / CSA approved
- Operating temperature -4°F to 185°F (-20°C to 85°C)
- Minimum installation temperature: 5°F (-15°C)

Heavy Duty Nylon - 120 lb.

L	Length	Per Bag	Tie Tensile	Bundle Diameter Inches (mm)	Part No.	Color
	15"	100	120 lb.	0.551" (14) - 4.016" (102)	8-34147	Natural
	15"	100	120 lb.	0.551" (14) - 4.016" (102)	8-44147	UV Black

- · UL recognized / CSA approved
- Operating temperature -4°F to 185°F (-20°C to 85°C)
- Minimum installation temperature: 5°F (-15°C)



^{**}Excludes Dual Tie Wraps - See Below For This Information

Mounting Hole - 50 & 120 lb.



Length	Per Bag	Tie Tensile	Screw Size	Bundle Diameter Inches (mm)	Part No.	Color
8"	100	50 lb.	#10	0.276" (7) - 1.811" (46)	8-49077	UV Black
15"	100	120 lb.	1/4"	0.551" (14) - 3.86" (98)	8-49157	UV Black

- 8 in. UL recognized / CSA approved
- ROHS compliant
- Operating temperature -4°F to 185°F (-20°C to 85°C)
- Minimum installation temperature: 5°F (-15°C)

Releasable - 50 lb.



Length	Per Bag	Tie Tensile	Bundle Diameter Inches (mm)	Part No.	Color
8"	100	50 lb.	0.276" (7) - 1.97" (50)	8-48087	UV Black
14"	100	50 lb.	0.551" (14) - 4.02" (102)	8-48147	UV Black

- 8 in. UL recognized / CSA approved
- ROHS compliant
- Operating temperature -4°F to 185°F (-20°C to 85°C)
- Minimum installation temperature: 5°F (-15°C)

Assortment Packs



8-61020

Length	Per Pack	Tie Tensile	Bundle Diameter Inches (mm)	Part No.	Color
4"	200	18 lb.	0.157" (4) - 0.9" (22)		
8"	100	50 lb.	0.276" (7) - 2.76" (70)	8-61020	UV Black
11"	100	50 lb.	0.276" (7) - 1.97" (50)		

- UL recognized / CSA approved
- Clamshell dimensions: 15 in. x 7 1/8 in. x 2 in.
- · Great for shop use
- Operating temperature -4°F to 185°F (-20°C to 85°C)
- Minimum installation temperature: 5°F (-15°C)

Mounting Pads



Makes installation easy!!!

Length	Per Bag	Height	Slot Height	Slot Width	Adhesive	Part No.	Color		
.74"	10	.19"	.05"	.20"	Rubber	8-30050	Natural		
.74	100	.19	.05	.20	Rubbei	8-30057	Natural		
74"	10	.19"	OE"	05"	05"	20"	Dubbor	8-40050	UV Black
.74"	100	.19	.05"	.20"	Rubber	8-40057	UV Black		

- UL recognized / CSA approved, excluding sticky adhesive
- Operating temperature -4°F to 185°F (-20°C to 85°C)
- Minimum installation temperature: 5°F (-15°C)

Dual Tie Wraps

Part No.	Description	Pkg. Qty. Test	Weight	Recommended Stud Size In. (mm)	Min. Tensile Strength	Max. Bundle Dia. In. (mm)	Approx. Length In. (mm)	Approx. Width In. (mm)
8-45134	Dual clamp cable ties black, 13" length	25	0.9 lbs.	1/4" (6.35)	150 lbs	1.3 each side (33.02)	12.9" (327.66)	0.50"
8-45194	Dual clamp cable ties black, 19" length	25	1.3 lbs	1/4" (6.35)	150 lbs	2.3" each side (58.42)	19.2" (487.68)	0.50"



- Dual-head design lets you wrap two separate bundles with a single cable tie
- Mounting holes allow easy attachment to walls, trailers, and vehicle chassis
- Minimum 150 lb. tensile strength
- Provides parallel spacing between cable bundles, hoses, tubing or wires
- Made of high impact black nylon 6/6
- Operating temperature -40°F to 230°F (-40°C to 110°C)
- Minimum installation temperature: -40°F (-40°C)

Cable Tie Installation Tool

Part No.	Description
4-231	Plastic cable tie installation tool

- Secures nylon cable ties
- Good for light duty or occasional use, 18-50 lb ties



WIRE SUPPORT & ACCESSORIES

Part No.	Description	Length
5-525	3/8" I.D.	100'
5-527	1/2" I.D.	100'
5-530	5/8" I.D.	100'
5-532	3/4" I.D.	100'
5-534	1" I.D.	100'
5-536	1 3/8" I.D.	100'
5-538	2" I.D.	100'





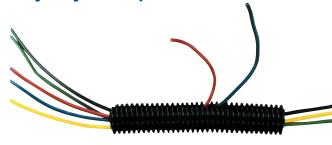
- For wrapping cables, wires, hoses or tubing
- · Protects against abrasion, tangling, chaffing and wire pull-out
- · High abrasion resistance
- · Unaffected by most solvents
- UV resistant
- Operating range -40°F to 280°F (-40°C to 137°C)

Frame Clips

Part No.	Description	Qty.
5-5003	Holds 2-3, 14 ga. wires	100
5-5006	Holds 5-6, 14 ga. wires	100



Polyethylene Split Loom



Part No. I.D. Length Std. Pack 5-023 1/4" 100' Box 5-023-250 1/4" 250' Box 5-023-1000 1/4" 1000' Spool 5-025 3/8" 100' Box 5-025-250 3/8" 250' Box 5-025-1000 3/8" 1000' Spool 5-027 1/2" 100' Box 5-027-250 1/2" 250' Box 5-027-1000 1/2" 1000' Spool 5-029 5/8" 100' Box 5-029-250 5/8" 250' Box

Popular choice for routing and protection of wires

- Provides crush-resistant protection for electrical wires
- · Protects electrical wires even when bent or twisted
- Wires are inserted quickly, eliminating the time needed for tape, braid or cloth loom
- · Lightweight with excellent flexibility
- · Good abrasion and chemical resistance
- Operating temperature range -40°F to 200°F

Part No.	I.D.	Length	Std. Pack
5-030	3/4"	100'	Box
5-030-250	3/4"	250'	Box
5-030-500	3/4"	500'	Spool
5-032	1"	100'	Box
5-032-250	1"	250'	Box
5-032-500	1"	500'	Spool
5-034	1 1/4"	100'	Box
5-034-250	1 1/4"	250'	Box
5-036	1 1/2"	100'	Box
5-036-250	1 1/2"	250'	Box
5-040	2"	100'	Box

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

Nylon Insulating Bushings









Part No.	Hole Diameter	Max. Thickness	Center Hole	Qty.
5-811	3/4"	1/8"	5/8"	50
5-812	1"	1/8"	3/4"	50
5-813	1 1/4"	1/8"	15/16"	50
5-814	1 1/2"	1 1/4"	1 1/16"	50
5-815	1 3/4"	1 1/4"	1 3/8"	50
5-816	2"	1 1/4"	1 5/8"	50

DRILL HOLE - SNAP IN - RUN CABLE OR HOSE. IT'S THAT EASY!

- Easy to mount by quickly snapping into place
- Multiple locks ensure secure fit
- Protects wire, cable or tubing from sharp, unfinished edges
- Adds a neat, clean look to any installation
- Spring-like fingers snap out to hold the grommet in place

Rubber Cushion Clamps

- 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

1/4" Moun	1/4" Mounting Hole					
Part No.	Mounting Hole Size (A)	Tube Size (B)	Width (C)	Qty.		
5-45034	1/4"	3/16"	1/2"	25		
5-45044	1/4"	1/4"	1/2"	25		
5-45054	1/4"	5/16"	1/2"	25		
5-45064	1/4"	3/8"	1/2"	25		
5-45074	1/4"	7/16"	1/2"	25		
5-45084	1/4"	1/2"	1/2"	25		
5-45094	1/4"	9/16"	1/2"	25		
5-45104	1/4"	5/8"	1/2"	25		
5-45124	1/4"	3/4"	1/2"	25		
5-45144	1/4"	7/8"	1/2"	25		
5-45164	1/4"	1"	1/2"	25		
5-45224	1/4"	1-1/8"	1/2"	25		
5-45241	1/4"	1-1/4"	1/2"	5		
5-45261	1/4"	1-3/8"	1/2"	5		
5-45271	1/4"	1-7/16"	1/2"	5		

3/8" Moun	3/8" Mounting Hole				
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	

3/8" Clamp Assortment Kit

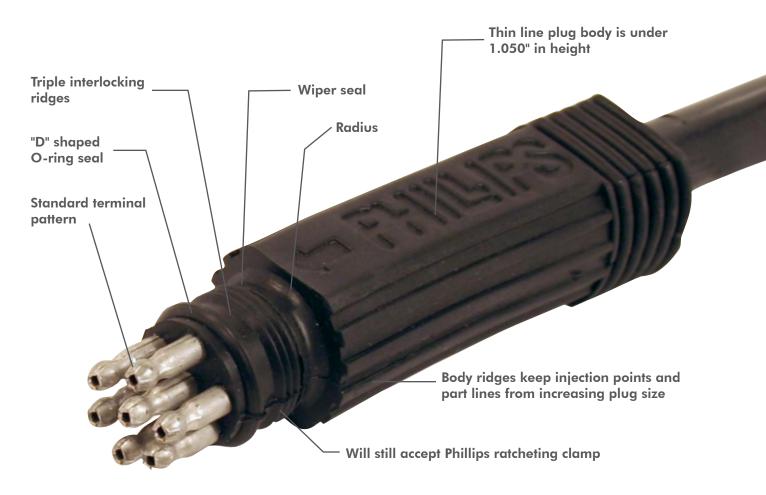
Part No.	Description
5-1000	3/8" clamp assortment kit

5-1000 Content	ts:		
Replacement Part No.	Mounting Hole Size	Tube size	Qty.
5-46034	3/8"	3/16"	50
5-46044	3/8"	1/4"	50
5-46064	3/8"	3/8"	50
5-46084	3/8"	1/2"	50
5-46104	3/8"	5/8"	50
5-46124	3/8"	3/4"	50
5-46164	3/8"	1"	25



ELECTRICAL HARNESS SYSTEMS

STA-DRY® SLIM-7™





- Incredibly strong seal
- Extraordinary corrosion protection
- Slim design allows for tight squeezes
- Shape transitions from a round cable to a square plug making pull-through easier
- Accepts a wide array of cables and wires providing many harness design options
- Provides the best moisture barrier in the market by using less space than any other standard heavy duty truck 7 pole connection

STA-DRY® HARNESSES

Protect against moisture, corrosion and failure by choosing an electrical harness system built to withstand the most extreme environmetal conditions. Phillips has the capability to handle your custom harness needs from design through production.

Superior Quality

-100% factory tested components

Corrosion-Resistant

- -Corrosion-inhibiting grease on all modules
- -Molded material on all plugs adheres / bonds to cables
- -Molded connections keep moisture and contaminants from penetrating the electrical system

Easy to Install

- -Industry-standard lamp pigtails
- -Indexed plugs ensure proper connection

Easy to Maintain

- -Harness modules allow for easy replacement should accidental damage occur
- -Universal pigtail modules eliminate the need to stock separate "curbside" and "roadside" pigtails

CUSTOM CAPABILITIES

All STA-DRY® Electrical Harness System part numbers are recommendations. Additional lengths, molded ends and other options are available.

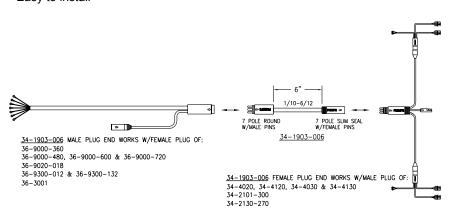
34 series (STA-DRY® SLIM-7™ System) is not interchangeable with the 36 series (STA-DRY® System) except where noted. Adapter available below.



Harness Adapter

Part No.	Description	
34-1903-006	7 way round male to 7-way SLIM-7™ female harness adapter	

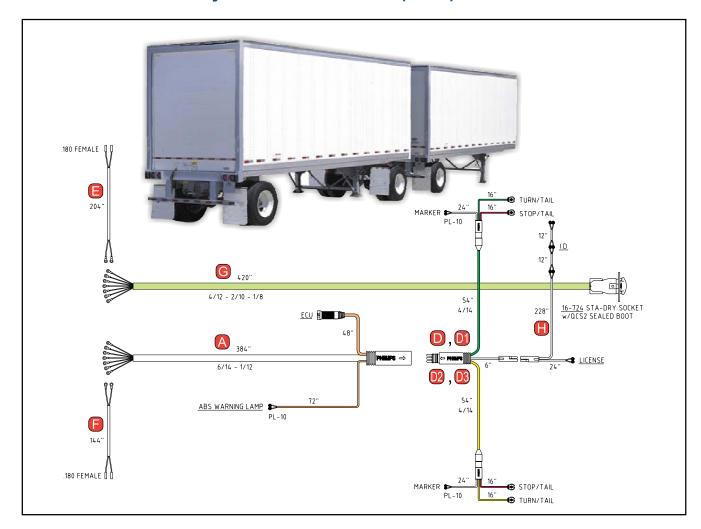
- Connects main and/or mid-main 36 series STA-DRY® modular harness systems to the 34 series STA-DRY® SLIM-7™
- Molded plug connections keep moisture and contaminants from penetrating the electrical system
- · Corrosion resistant pre-applied dielectric grease
- · Easy to install

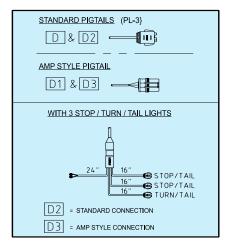






STA-DRY[®] SLIM-7[™] System - Van Doubles (28 ft.)





Standard (Length as shown above)

28 ft.		
Part No.	Description	Key
34-1300-384	Main with ECU and ABS warning lamp drop, 384" (32')	Α
34-5100-204	Front marker, 204" (17')	Е
34-5100-144	Front marker, 144" (12')	F
34-1402-420	Main with socket for pintle hook connection, 420" (35')	G
36-9601-228	ID / license *	Н

2-Lamp Rear Sill Harness Options

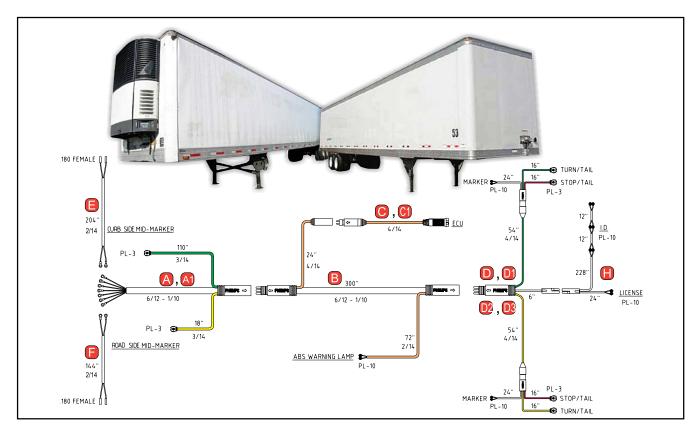
Part No.	Description	Key
34-4020	With 2 stop/turn/tail, standard pigtails	D
34-4120	With 2 stop/turn/tail, amp style pigtails	D1

3-Lamp Rear Sill Harness Options

Part No.	Description	Key
34-4030	With 3 stop/turn/tail, standard pigtails	D2
34-4130	With 3 stop/turn/tail, amp style pigtails	D3

^{*} Will fit both 34 series (STA-DRY® SLIM-7™ System) and 36 series (STA-DRY® System)

STA-DRY® SLIM-7™ System - Reefer & Dry Freight Van (48ft. to 53ft.)



Standard (Length as shown above)

48 ft. & 53 ft.		
Part No.	Description	Key
34-2101-300	Mid-main with ECU and ABS warning lamp drop, 300" (25')	В
34-5100-204	Curb side front marker, 204" (17')	Е
34-5100-144	Road side front marker, 144" (12')	F
36-9601-228	ID / license *	Н

Main Options

Part No.	Description	Key
34-1231-324	Main, 324" (27'), 48' trailer	Α
34-1231-384	Main, 384" (32'), 53' trailer	A1

ABS Options

Part No.	Description	Key
34-3000-156	ABS power harness,156" (13')	С
34-3000-288	ABS power harness, 288" (24')	C1

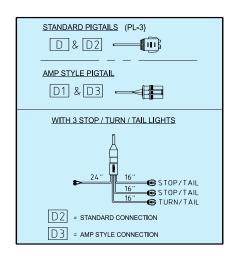
2-Lamp Rear Sill Harness Options

Part No.	Description	Key
34-4020	With 2 stop/turn/tail, standard pigtails	D
34-4120	With 2 stop/turn/tail, amp style pigtails	D1

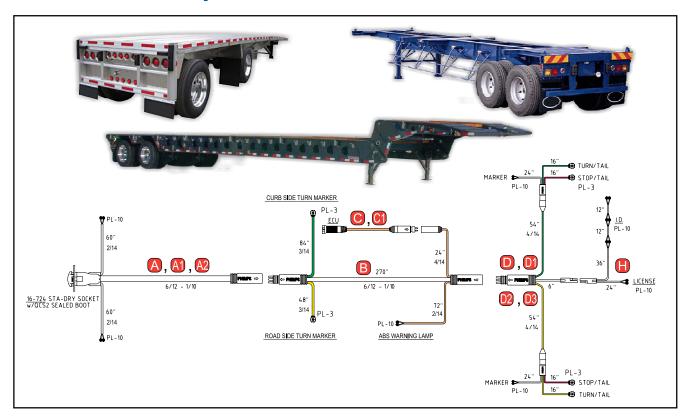
3-Lamp Rear Sill Harness Options

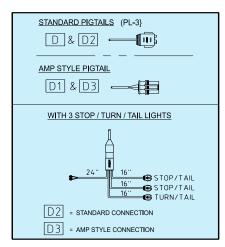
Part No.	Description	Key
34-4030	With 3 stop/turn/tail, standard pigtails	D2
34-4130	With 3 stop/turn/tail, amp style pigtails	D3

^{*} Will fit both 34 series (STA-DRY® SLIM-7™ System) and 36 series (STA-DRY® System)



STA-DRY® SLIM-7™ System - Flatbed & Container Chassis





Standard (Length as shown above)

Part No.	Description	Key
34-2130-270	Mid-main with mid-marker, ECU and ABS warning lamp drop, 270" (22'-5")	В
36-9601-036	ID / license *	Н

Main Options

Part No.	Description	Key
34-1010-300	45' trailer main, 300" (25')	Α
34-1010-336	48' trailer main, 336" (28')	A1
34-1010-396	53' trailer main, 396" (33')	A2

ABS Options

Part No.	Description	Key
34-3000-156	ABS power harness,156" (13')	С
34-3000-288	ABS power harness, 288" (24')	C1

2-Lamp Rear Sill Harness Options

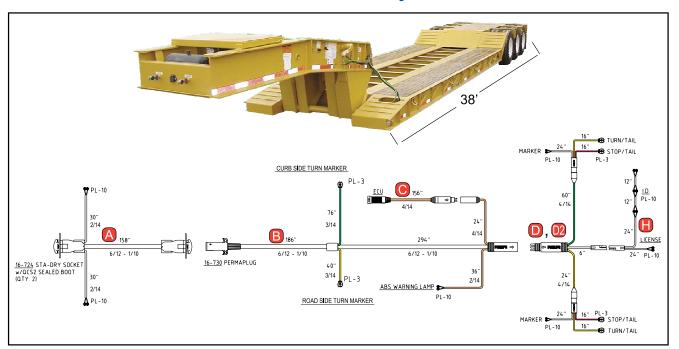
Part No.	Description	Key
34-4020	With 2 stop/turn/tail, standard pigtails	D
34-4120	With 2 stop/turn/tail, amp style pigtails	D1

3-Lamp Rear Sill Harness Options

Part No.	Description	Key
34-4030	With 3 stop/turn/tail, standard pigtails	D2
34-4130	With 3 stop/turn/tail, amp style pigtails	D3

^{*} Will fit both 34 series (STA-DRY® SLIM-7™ System) and 36 series (STA-DRY® System)

STA-DRY® SLIM-7™ System - Detachable Gooseneck



Standard (Length as shown above)

Part No.	Description	Key
34-1111-158	Main, 158" (13'-2")	Α
34-2231-480	Mid-main with mid-marker, ECU and ABS warning lamp drop, 480" (40')	В
34-3000-156	ABS power harness, 156" (13')	С
36-9601-024	ID / license *	Н

2-Lamp Rear Sill Harness Options

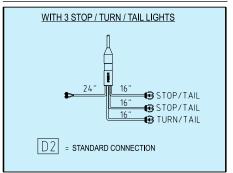
Part No.	Description	Key
34-4020-1	With 2 stop/turn/tail, standard pigtails	D

3-Lamp Rear Sill Harness Options

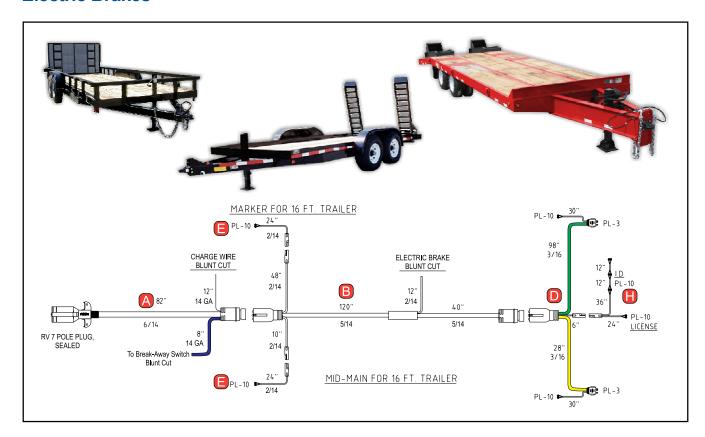
Part No.	Description	Key
34-4030-1	With 3 stop/turn/tail, standard pigtails	D2

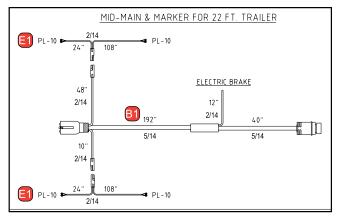
^{*} Will fit both 34 series (STA-DRY® SLIM-7™ System) and 36 series (STA-DRY® System)

REAR SILL HARNESS STOP/TURN/TAIL LIGHT OPTIONS



STAY-DRY® SLIM-7™ System - Tagalong, Equipment & Landscape - Electric Brakes





Standard (Length as shown above)

Part No.	Description	Key
34-1703-082	Main, 82" (6'-10")	Α
34-4010	Rear sill	D
36-9601-036	ID / license *	Η

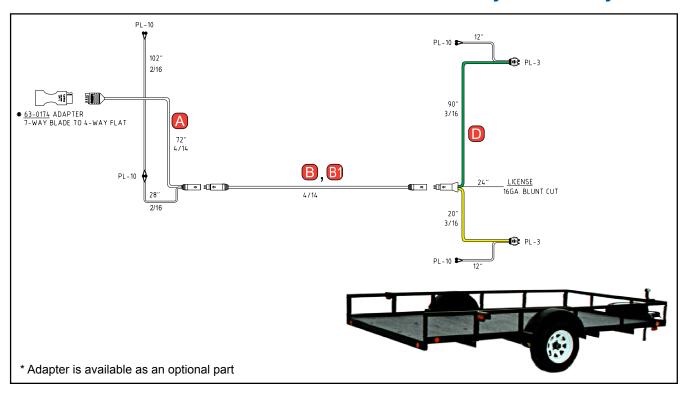
* Will fit both 34 series (STA-DRY® SLIM-7™ System) and 36 series (STA-DRY® System)

Part No.	Description	Key
34-2023-160	16' trailer mid-main with marker and electric brake drop, 160" (13'-4")	В
34-2023-232	22' trailer mid-main with marker and electric brake drop, 232" (19'-4")	B1

Marker Lamp Lead Options

Part No.	Description	Key
34-5211-024	16' trailer mid-marker, 24" (2')	Е
34-5221-024108	22' trailer mid-marker, 24"/108" (2'/9')	E1

STA-DRY® System - Utility Trailer



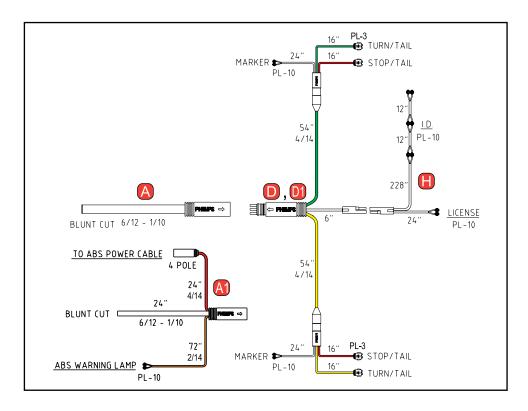
Standard (Length as shown above)

Part No.	Description	Key
34-1824-072	Main, 72" (6')	Α
34-4012	Rear sill	D

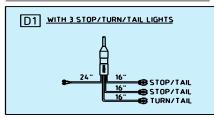
Mid-Main Harness Options

Part No.	Description	Key
34-2004-066	8' trailer mid-main, 66" (5'-6")	В
34-2004-114	12' trailer mid-main, 114" (9'-6")	B1

STA-DRY® SLIM-7™ System - Retrofit Trailer



REAR SILL HARNESS STOP/TURN/TAIL LIGHT OPTIONS



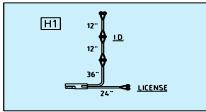
Main Harness

Part No.	Description	Key
34-1901-024	Main, 24" (2')	Α
34-1902-024	Main, 24" (2') with ABS drop	A1

2-Lamp Rear Sill Harness Options

Part No.	Description	Key
34-4020	With 2 stop/turn/tail, standard pigtails	D

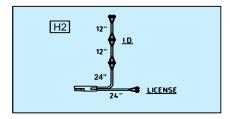
ID / LICENSE OPTIONS



3-Lamp Rear Sill Harness Options

Part No.	Description	Key
34-4030	With 3 stop/turn/tail, standard pigtails	D1

ID / License Rear Sill Harness Options



Part No.	Description	Key
36-9601-024	ID / license, 24" (2') *	H2
36-9601-228	ID / license, 228" (19') *	Н
36-9601-036	ID / license, 36" (3') *	H1

^{*} Will fit both 34 series (STA-DRY® SLIM-7™ System) and 36 series (STA-DRY® System)

34 series (STA-DRY® SLIM-7™ System) is not interchangeable with the 36 series (STA-DRY® System) except where noted.

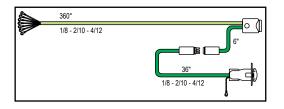
Adapter available, page 121.

STA-DRY® MAIN MODULE

Double Trailer

Part No.	Description
36-9000-360	30' with 3' QCS® extension

- 1/8, 2/10 and 4/12 ga. conductors exceed the maximum power requirements for the ABS unit
- Equipped with a detachable 36 in. molded QCS® socket for double trailer use
- Ring terminals



Single Trailer

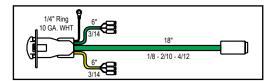
Part No.	Description
36-9000-480	40' with 20' mid-turn module outlet
36-9000-600	50' with 25' mid-turn module outlet
36-9000-720	60' with 30' mid-turn module outlet

- (∏ 1/8 - 2/10 - 4/12 To Mid-Turn Module 4/14
- 1/8, 2/10 and 4/12 ga. conductors exceed the maximum amperes
- · Easy connection to mid-turn module
- All mid-turn outlets are "dummy" plugged
- Ring terminals

QCS2® Main

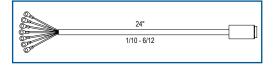
Part No.	Description
36-9020-018	18" with 6" marker drop and 7 pole female

- 1/8, 2/10 and 4/12 ga. conductors
- QCS2® socket



Rear Main Repair Harness

	Part No.	Description
Ī	36-3001	24" with 7 pole female, 1/10 - 6/12 ga.





JUMPER HARNESS

Marker Harness



Part No.	Description
36-9100-060	5', lower marker/clearance lamps
36-9100-192	16', upper marker/clearance lamps

- For use with front (nosebox) marker lamps
- Standard with #10 ring terminals for a positive connection
- · Standard with female .180 bullets to add additional lamps
- · Dummy plugged female bullets
- · Custom harness lengths available in 12 in. increments

Male/Female Jumper Harness



Part No.	Description
36-9101-060	5', with 2 pole female bullets
36-9101-192	16', with 2 female bullets

- Female bullets connect to pin lamp pigtails
- 2 female bullets per conductor for additional connections
- Color coded conductors to ensure proper connections
- · Custom harness lengths available in 12 in. increments

Clearance/Marker Harness



Part No.	Description
36-9701	10" marker/clearance lamps with additional marker connection

 Unique design enables any amount of lamps to be connected using marker modules or additional pigtails



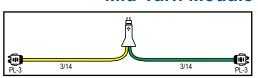
MID-TURN MODULE

Mid-Turn Module

Part No.	Description
36-9200-6060	Center, 60" roadside, 60" curbside
36-9200-2484	Offset, 24" roadside, 84" curbside

• Provides a moisture proof connection to main harness

Part No.	Description
36-9202-300	Mid-turn, 25' extension



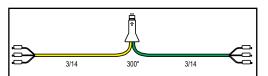


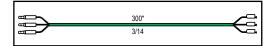
LED & Male Pin

Part No.	Description
36-9201-6060	Center, 60" roadside, 60" curbside
36-9201-2484	Offset, 24" roadside, 84" curbside

• Provides a moisture proof connection to main harness

Part No.	Description
36-9203-300	Mid-turn, 25' extension





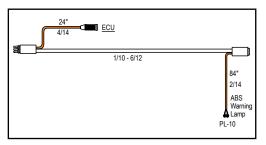


ALL OTHER MODULES

ABS Module

Part No.	Description
36-9300-012	1' for forward axle ABS position, 1/10 - 6/12 ga.
36-9300-132	11' for rear axle ABS position, 1/10 - 6/12 ga.

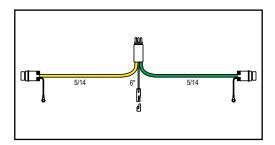
- Sealed thermo-plastic ABS ECU connector
- ECU connector is industry-standard
- ECU and warning lamp cables color coded orange for easy identification



34 series (STA-DRY® SLIM-7™ System) is not interchangeable with the 36 series (STA-DRY® System) except where noted. Adapter available, page 121.

Additional ABS harness configurations are available, please ask your sales representative.

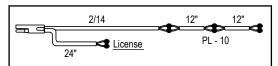
Rear "T" Module



Part No.	Description
36-9400-2484	Offset, 24" roadside, 84" curbside
36-9400-5050	Center, 50" roadside, 50" curbside

- · Additional ground wires ensure a solid ground
- 2 pole plug from center for ID and license module connection, dummy plugged

Rear "T" License & I.D. Marker Harness Module



Part No.	Description	
36-9601-024	2', lower ID lamps and 2' license lamp	*
36-9601-036	3', lower ID lamps and 2' license lamp	*
36-9601-228	19', upper ID lamps and 2' license lamp	*

- Plugs to rear "T" for a sealed connection
- Dimensions fit standard upper and lower position ID lamp, plus a license lamp connection

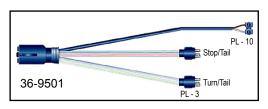
Pigtail Module, License & I.D. Marker Harness



Part No.	Description
36-9603-036	3', lower ID lamps
36-9603-228	19', upper ID lamps

· Connect to pigtail module with a male .180 bullet

Lamp Rear "T" Plug-In Pigtail Module - Standard

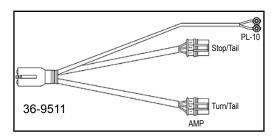


Part No.	Description
36-9501	2 stop/turn/tail and 1 PL-10 sealed marker
36-9502	2 stop/turn/tail and 4 .180 double female bullets
36-9503	3 stop/turn/tail and 1 PL-10 sealed marker
36-9504	3 stop/turn/tail and 4 .180 double female bullets

^{*} Will fit both 34 series (STA-DRY® SLIM-7™ System) and 36 series (STA-DRY® System)

LED Model 44 & 60 Lamp Module - AMP Connector

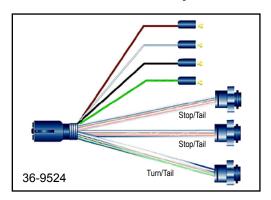
Part No.	Description
36-9511	2 stop/turn/tail and 1 PL-10 marker
36-9512	2 stop/turn/tail and 4 .180 double female bullets
36-9513	3 stop/turn/tail and 1 PL-10 marker
36-9514	3 stop/turn/tail and 4 .180 double female bullets



Female Pin Plugs, Mates to Male Pin Lamp Module

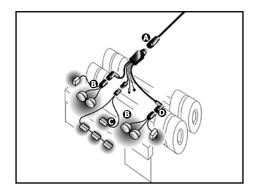
Part No.	Description
36-9523	3 stop/turn/tail and 1 PL-10 sealed marker
36-9524	3 stop/turn/tail and 4 .180 double female bullets

- 2 or 3 stop-tail-turn lamp connections
- Available with 4 double female .180 bullets for connecting additional lamps
- Clear shield protects wire conductors and makes it easy to see wire color and function
- Green and yellow stripe wire indicates turn signal function and eliminates the need to stock separate curbside and roadside pigtails
- Unique "pop" together mold design keeps pigtails connected to rear "T" and keeps moisture and contamination out



STA-DRY® System - Repair Kit

Part No.	Description	Key
36-3001	Main	Α
36-9501	Marker modules	В
36-9601-036	ID/license	С
36-9400-2484	Rear "T"	D



LITE-SENTRY™

LITE-SENTRY™

Know instantly if a trailer light or trailer lighting connection has failed!

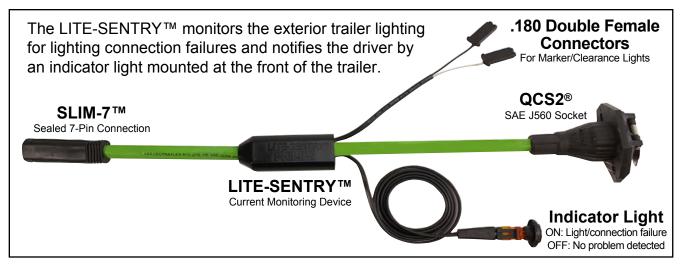


ı	i ait ito.	Description
	34-1107-024	2' LITE-SENTRY™ indicator, with QCS2® socket and SL
	*Current design shown (P/	N: 34-1107-024) is for OEM only

-IM-7™*

- · Works with all 12V LED lights that draw more than 19mA
- · Designed to work with LED exterior trailer lighting only
- Integrated and completely sealed into a Phillips STA-DRY® electrical harness
- Optional: Lighting and connection failure notifications can also be sent via telematics to fleet managers or any other individual that would benefit from
- Integrated short circuit protection: No more electrical harnesses burning up due to "dead shorts"
- · Contact your local sales representative to find out how to integrate the LITE-SENTRY™ into your electrical harness system with custom lengths and terminations available for both OEM and retrofit applications
- Patent Pending

ind out how this can be customized to fit your new eet spec or retrofit application!



HOW IT WORKS

SYSTEM INTEGRATION:

The LITE-SENTRY™ is integrated into the front of the trailer harness system and monitors the current that flows through the trailer's electrical system while the vehicle is powered on.

UPON INITIAL START UP:

When power is supplied to the electrical system, the amber indicator light will turn on for approximately 3 seconds to confirm that the LITE-SENTRY™ is functioning.

DURING THE RIDE:

With the vehicle powered on, and after initial start-up, the indicator light should be monitored regularly, similarly to how the lights on the dashboard of a tractor are monitored.

DETECTION OF LIGHTING FAILURES:

With power supplied to the trailer, when the driver engages any exterior trailer lighting, if a significant drop in electrical current is detected within the electrical system, the indicator light will turn on, and stay on, to notify the driver of possible lighting failure.

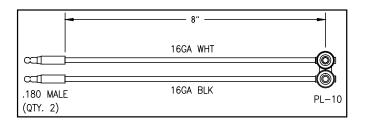
NORMAL LIGHT OPERATION

If the indicator light remains off during the ride, no problems are detected.

MARKER / CLEARANCE LIGHT PIGTAILS

Part No.	Description	
51-96010	PL-10 connector, (2) bullets, 8"	
51-96010-25	PL-10 connector, (2) bullets, 8"	I

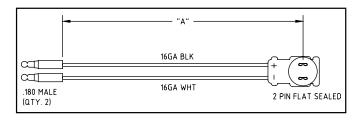
- · Molded connections to protect against contaminants
- 16 ga. black and white wires
- .180 male bullets



PL-10 Connector

Part No.	Description	
51-96110	Flat seal connector, (2) bullets, 6"	
51-96110-25	Flat seal connector, (2) bullets, 6"	EW

- Molded connections to protect against contaminants
- · Molded o-ring ensures water-tight connection
- 16 ga. black and white wires
- .180 male bullets

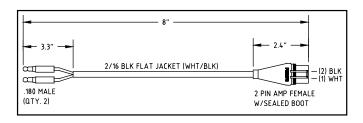






Part No.	Description
51-96310	2 pin amp connector with STA-DRY® sealed boot, (2) bullets, 8"
51-96310-25	2 pin amp connector with STA-DRY® sealed boot, (2) bullets, 8" NEW

- 2 pin amp connector with STA-DRY® sealed boot adds additional protection to help seal out moisture and contaminants
- 16 ga. black and white wires
- .180 male bullets





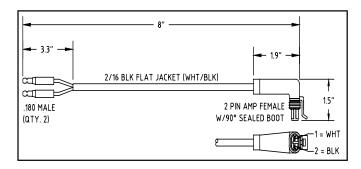


90° 2 Pin AMP Connector with STA-DRY® Sealed Boot



Part No.	Description
51-96319	90° 2 pin amp connector with STA-DRY® sealed boot, (2) bullets, 8"
51-96319-25	90° 2 pin amp connector with STA-DRY® sealed boot, (2) bullets, 8"

- For use with LED lights
- For use in tight spaces
- STA-DRY® sealed boot adds additional protection to help seal out moisture and contaminants

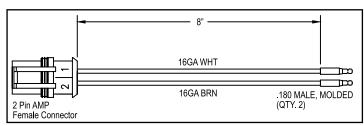


2 Pin AMP Connector



Part No.	Description
51-96210	2 pin amp connector, (2) bullets, 8"
51-96210-25	2 pin amp connector, (2) bullets, 8"

- For use with LED lights
- For use in tight spaces
- Molded connections to protect against contaminants
- 16 gauge white and brown wires
- .180 male bullets

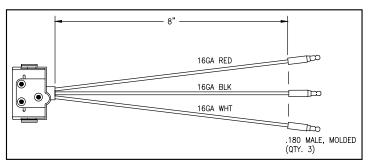


STOP-TAIL-TURN & MID-TURN LIGHT PIGTAILS

90 Degree PL-3 Connector

Part No.	Description
51-96510	90 degree, PL-3 connector, (3) bullets, 8"
51-96510-25	90 degree, PL-3 connector, (3) bullets, 8"

- · Molded connections to protect against contaminants
- 90° plug-in connection with splash guard for added protection
- 16 ga. black, white, and red wires
- .180 male bullets

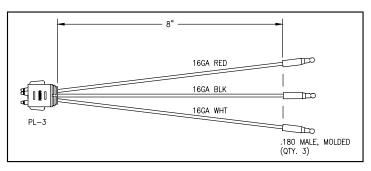




Part No.	Description	
51-96410	PL-3 connector, (3) bullets, 8"	
51-96410-25	PL-3 connector, (3) bullets, 8"	NEW

- · Molded connections to protect against contaminants
- 16 ga. black, white, and red wires
- .180 male bullets

· Can be used with adapter 51-97470 to convert the PL-3 connection to a 3 pin amp connection





PL-3 Connector

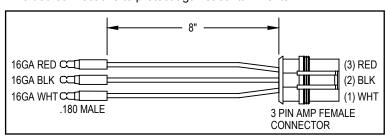
3 Pin AMP Connector

Part No.	Description	
51-96610	3 pin amp connector, (3) bullets, 8"	
51-96610-25	3 pin amp connector, (3) bullets, 8"	

- For use with LED lights
- For use with LED lights

• For use in tight spaces

- For use in tight spaces
- · Molded connections to protect against contaminents





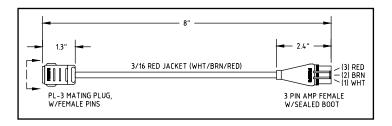
PIGTAIL ADAPTERS

- Converts the PL-3 connection to a 3 pin amp connection
- For use with stop-tail-turn or mid-turn lights
- · Molded connections to protect against contaminants
- 3 pin amp connector with STA-DRY® sealed boot adds additional protection to help seal out moisture and contaminants
- 16 ga. white, brown, and red wires

PL-3 to 3 Pin AMP Pigtail Adapter



Part No.	Description
51-97470	PL-3 to 3 pin amp connector adapter, 8"
51-97470-25	PL-3 to 3 pin amp connector adapter, 8"

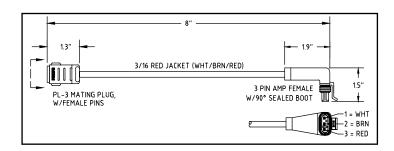


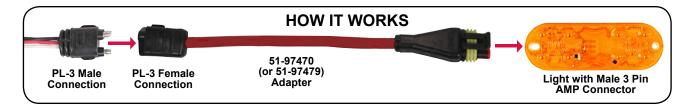
PL-3 to 90° 3 Pin AMP Connector Adapter



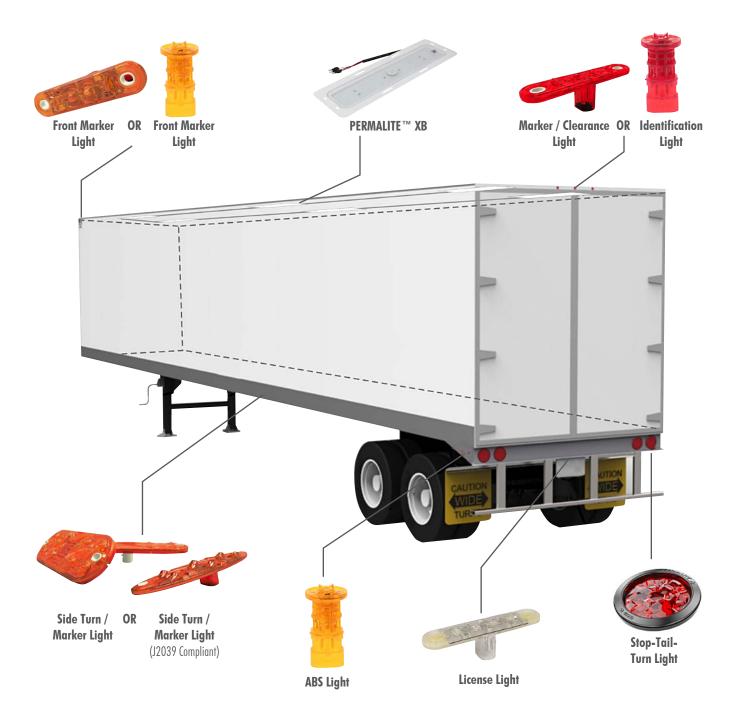
Part No.	Description	
51-97479	PL-3 to 90° 3 pin amp connector adapter, 8"	·
51-97479-25	PL-3 to 90° 3 pin amp connector adapter, 8"	NEW

· For use in tight spaces





PERMALITE™ HD TRAILER LIGHTING



PERMALITE™ XB DOME LAMPS

- Up to two times brighter than the competition
- · Fits almost any application with a slim, light weight design and universal mounting holes
- · Available with PIR motion sensor Light automatically turns on and off
- Consistent light output throughout the operating voltage range

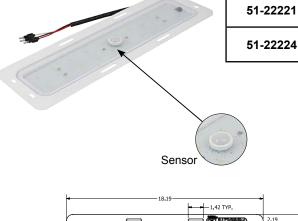
Specifications				
Specifications	51-22221/51-22224	51-22211/51-22214	51-22111/51-22114	
Operating Voltage	10 - 36V DC	10 - 36V DC	7-16V DC	
Multi-volt 12V & 24V (10V-36V)	Yes	Yes	No	
Current Draw (at 12V)	1.5A	1.5A	1.7A	
Operating Temperature	-40°C to 176°F (-40°C to 80°C)	-40°C to 176°F (-40°C to 80°C)	-40°C to 140°F (-40°C to 60°C)	
IP Rating	IP65	IP65	N/A	
Weight	1.20 lbs	1.16 lbs	2.15 lbs	
Dimensions	18.19 in x 5.75 in x 1.17 in (46.21 cm x 14.61 cm x 2.97 cm)	18.19 in x 5.75 in x .91 in (46.21 cm x 14.61 cm x 2.31 cm)	18.28 in x 5.74 in x 1.10 in (46.43 cm x 14.57 cm x 2.79 cm)	
Lumens	2200	2200	1600	
Lens	Textured Clear Polycarbonate	Textured Clear Polycarbonate	Diamond Pattern Clear Polycarbonate	
Housing Color	Powder Coated White	Powder Coated White	White	
Housing Material	Aluminum	Aluminum	Polycarbonate	
LED Warranty	3 Years	3 Years	3 Years	
Lighting Source	20 LEDs	20 LEDs	8 LEDs	
Reverse Polarity Protection	Yes	Yes	Yes	
Universal Mounting Holes	Yes	Yes	Yes	
STA-DRY® Jacketing Corrosion Protection for 14 ga. Wires	Yes	Yes	No	
.180 male bullet connectors	Yes	Yes	Yes	

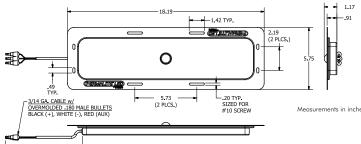
Passive Infrared (PIR) Motion Sensor (51-22221/51-22224)

Detection Angle	100°	
Detection Distance	Max 16.4 ft (5m)	
Shut Off Timer (after activity stops)	5 Minutes	

PERMALITE™ XB High Efficiency LED with PIR Motion Sensor

Part No.





Passive infrared (PIR) motion sensor

Description

Dome lamp, 20 LEDs, 2200 lumens, aluminum

housing, PIR motion sensor, bulk pack

housing, PIR motion sensor, individual retail box Dome lamp, 20 LEDs, 2200 lumens, aluminum

- 5 minute shut off timer (after activity stops)
- Angle of movement detection 100° at 16.4 ft max

Qty.

1

6

NEW

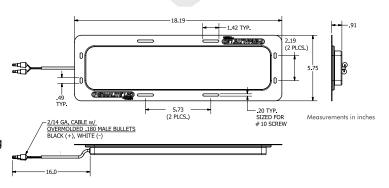
- 20 LEDs
- 2200 lumens
- Multi-volt: runs on a 12 or 24 volt system
- Operating voltage: 10V 36V DC
- Current AMP draw: 1.5A at 12V
- · Reverse polarity protection
- Designed for extreme temperatures: -40°F to 176°F (-40°C to 80°C)
- Strong aluminum housing with powder coated finish and textured clear 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

PERMALITE™ XB High Efficiency LED

Part No.	Description	Qty.
51-22211	Dome lamp, 20 LEDs, 2200 lumens, aluminum housing, individual retail box	1
51-22214	Dome lamp, 20 LEDs, 2200 lumens, aluminum housing, bulk pack	6



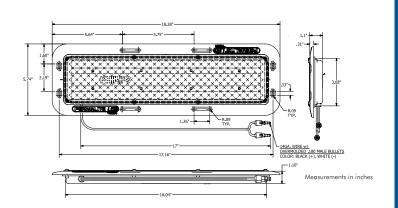
- 20 LEDs
- 2200 lumens
- Multi-volt: runs on a 12 or 24 volt system
- Operating voltage: 10V 36V DC
- Current AMP draw: 1.5A at 12V
- · Reverse polarity protection
- Designed for extreme temperatures: -40°F to 176°F (-40°C to 80°C)
- · Strong aluminum housing with powder coated finish and textured clear 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



PERMALITE™ XB LED

Part No.	Description	
51-22111	Dome lamp, 8 LEDs, 1600 lumens, polycarbonate housing, individual retail box	1
51-22114	Dome lamp, 8 LEDs, 1600 lumens, polycarbonate housing, bulk pack	6

- 8 LEDs
- 1600 lumens
- Operating voltage: 7V-16V DC
- Current AMP draw: 1.7A at 12V
- · Reverse polarity protection
- Designed for extreme temperatures: -40°F to 140°F (-40°C to 60°C)
- · Polycarbonate white housing and diamond patterned polycarbonate lens
- Silicone seal protects components from moisture build up
- 14 ga. wires with .180 male bullet connectors



PERMALITE™ FLUORESCENT ACCESSORIES

Fluorescent Accessories **PERMALITE**





Part No.	Description	Qty.
51-22104	Lens replacement kit (lens and screws)	1
51-22107	Replacement bulb	6

- Polycarbonate lens
- · Universal mounting holes
- · Stainless steel screws
- . 12,000 hour, 24 watt fluorescent bulb

PERMALITE™ XT EXTERIOR TRAILER LIGHTING

Manufactured for exclusive distribution by Phillips Industries – A California Corporation

All Lighting

- · Superior durability and impact resistance
- · Resistance to corrosion, harsh chemicals and UV exposure

BOARDFREE® Technology

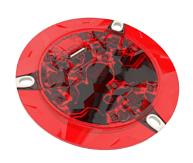
- Utilizes BOARDFREE® technology; a patented in-mold LED lighting solution that eliminates the need for a printed circuit board
- · No printed circuit board means:
 - No hazardous waste
 - Optimal heat management which leads to a longer life expectancy
- BOARDFREE® is a registered trademark of Innotec Group

Hard Wired Lighting

- · Hard wired LED lighting
- For applications with space restrictions
- Available with AMP and bullet connections

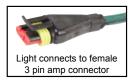
4.0" Round Flange Mount Stop-Tail-Turn Light





Part No.	Description		Qty.
51-40202	4.0" round flange mount stop-tail-turn light, red	NEW	1
51-40202-16	4.0" round flange mount stop-tail-turn light, red	NEW	16

- ABS and acrylic construction
- · Sealed and greased male 3 pin amp connector
- BOARDFREE® technology with 9 diodes
- Meets SAE S2 and T2 specifications
- Slotted low stress mounting holes with standard mounting dimensions
- · Can be mounted any direction and meets DOT specifications
- Connects to Phillips pigtail: P/N: 51-96610
- Optional stainless steel trim ring available (P/N: 51-40904)





4.0" Anti-Theft Round Stop-Tail-Turn Light

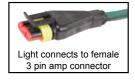
Technology

Part No.	Description		Qty.
51-40122	4.0" round stop-tail-turn light, with black anti-theft overmold, for 3/16" trailer platethickness, red		1
51-40122-16	4.0" round stop-tail-turn light, with black anti-theft overmold, for 3/16" trailer platethickness, red	NEW	16
51-40132	4.0" round stop-tail-turn light, with silver anti-theft overmold, for 3/16" trailer platethickness, red		1
51-40132-16	4.0" round stop-tail-turn light, with silver anti-theft overmold, for 3/16" trailer platethickness, red	NEW	16
51-40142	4.0" round stop-tail-turn light, with black anti-theft overmold, for 1/4" trailer plate thickness, red		1
51-40142-16	4.0" round stop-tail-turn light, with black anti-theft overmold, for 1/4" trailer plate thickness, red	NEW	16
51-40152	4.0" round stop-tail-turn light, with silver anti-theft overmold, for 1/4" trailer plate thickness, red		1
51-40152-16	4.0" round stop-tail-turn light, with silver anti-theft overmold, for 1/4" trailer plate thickness, red	NEW	16





- ABS and acrylic construction
- Sealed and greased male 3 pin amp connector
- BOARDFREE® technology with 8 diodes
- Meets SAE S2 and T2 specifications
- Molded anti-theft ring is designed to install in a 4.5 in. mounting hole with a trailer plate thickness of 3/16 in. or 1/4 in.
- Connects to Phillips pigtail: P/N: 51-96610
- Patent pending



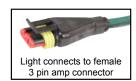


4.0" Round Grommet Mount Stop-Tail-Turn Light









Part No.	Description		Qty.
51-40212	4.0" round grommet mount stop-tail-turn light, red*		1
51-40212-16	4.0" round grommet mount stop-tail-turn light, red*	NEW	16
51-40500	Mounting grommet for 4.0" round light*		1
51-40500-25	Mounting grommet for 4.0" round light*	NEW	25
51-40212K	Kit - 4.0" round grommet mount stop-tail-turn light, red (51-40212) and grommet (51-40500)	NEW	1

*Light and grommet sold separately. Select kit 51-40212K to purchase both the light and grommet together.

Grommet Mount Light

- · ABS and acrylic construction
- Sealed and greased intergrated male 3 pin AMP connector
- BOARDFREE® technology with 9 diodes
- Meets SAE S2 and T2 specifications
- Can be mounted any direction and meets DOT specifications
- Sold separately from grommet
- Connects to Phillips pigtail: P/N: 51-96610

Grommet

- Grommet provides additional protection to the light against vibration and shock
- Fits in standard 4.5 in. openings
- Grommet mounts up to a 1/4 in. plate

Kit

· Includes:

51--40212~~(1)~4.0 in. round grommet mount stop-tail-turn light

51-40500 (1) Mounting grommet for 4.0 in. round light

4.0" Round Flange Mount Reverse Light

EDARDFREE Technology

Part No.	Description	Qty.
51-40801	4.0" round flange mount reverse light, clear	1
51-40801-16	4.0" round flange mount reverse light, clear	16



- · ABS and acrylic construction
- Sealed and greased integrated male 3 pin AMP connector
- BOARDFREE® technology with 9 diodes
- · Meets SAE R specifications
- · Slotted low stress mounting holes with standard mounting dimensions
- · Can be mounted any direction and meets DOT specifications
- Connects to 2 pin tail light connector
- Optional stainless steel trim ring available (P/N: 51-40904)



4.0" Round Grommet Mount Reverse Light

Technology

Part No.	Description	Qty.
51-40811	4.0" round grommet mount reverse light, clear*	1
51-40811-16	4.0" round grommet mount reverse light, clear* NEW	16
51-40500	Mounting grommet for 4.0" round light*	1
51-40500-25	Mounting grommet for 4.0" round light*	25
51-40811K	Kit - 4.0" round grommet mount reverse light, clear, (51-40811) and grommet (51-40500)	1

^{*}Light and grommet sold separately. Select kit 51-40811K to purchase both the light and grommet together.

Grommet Mount Light

- · ABS and acrylic construction
- · Sealed and greased intergrated male 3 pin AMP connector
- BOARDFREE® technology with 9 diodes
- Meets SAE R specifications
- · Can be mounted any direction and meets DOT specifications
- Sold separately from grommet
- Connects to 2 pin tail light connector

Grommet

- Grommet provides additional protection to the light against vibration and shock
- Fits in standard 4.5 in. openings
- Grommet mounts up to a 1/4 in. plate
- · Made of UV protected EPDM
- · Sold separately from light
- For use with round grommet mount lights only

Kit

· Includes:

51-40811 (1) 4.0 in. round grommet mount reverse light

51-40500 (1) Mounting grommet for 4.0 in. round light



6.5" Oval Grommet Mount Side Turn/Marker & Stop-Tail-Turn Lights

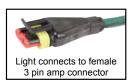












Part No.	Description		Qty.
51-60112	6.5" oval grommet mount stop-tail-turn light, red*		1
51-60112-16	6.5" oval grommet mount stop-tail-turn light, red*	NEW	16
51-60113	6.5" oval grommet mount side turn/marker light, amber*		1
51-60113-16	6.5" oval grommet mount side turn/marker light, amber*	NEW	16
51-60500	Mounting grommet for 6.5" oval light*		1
51-60500-25	Mounting grommet for 6.5" oval light*	NEW	25
51-60112K	Kit - 6.5" oval grommet mount stop-tail-turn light, red (51-60112) and grommet (51-60500)	NEW	1
51-60113K	Kit - 6.5" oval grommet mount side turn/marker light, amber (51-60113) and grommet (51-60500)	NEW	1

*Light and grommet sold separately. Select kit 51-60112K/51-60113K to purchase both the light and grommet together.

Grommet Mount Light

- · ABS and acrylic construction
- BOARDFREE® technology with 8 diodes
- · Sealed and greased integrated male 3 pin AMP connector
- Side turn light meets SAE I, P2 and P3 for turn signals and side markers
- Stop-tail-turn light meets SAE S2 and T2 specifications
- · Sold separately from grommet
- Connects to Phillips pigtail: P/N: 51-96610

Grommet

- Grommet provides additional protection to the light against vibration and shock
- Fits in standard openings
- Grommet mounts up to a 1/4 in. plate
- Made of UV protected EPDM
- · Sold separately from light
- For use with oval grommet mount lights only

Kit

- 51-60112K Includes:
- 51-60112 (1) 6.5 in. oval grommet mount light, red 51-60500 (1) Mounting grommet for 6.5 in. oval light
- 51-60113K Includes:
- 51-60113 (1) 6.5 in. oval grommet mount light, amber
- 51-60500 (1) Mounting grommet for 6.5 in. oval light

Technology

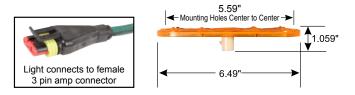
EDARDFREE Technology

6.5" Surface Mount Oval Side Turn/Marker & Stop-Tail-Turn Lights

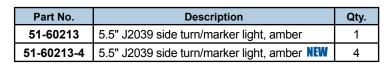
Part No.	Description		Qty.
51-60102	6.5" oval stop-tail-turn light, red		1
51-60102-16	6.5" oval stop-tail-turn light, red	NEW	16
51-60103	6.5" oval side turn/marker light, amber		1
51-60103-16	6.5" oval side turn/marker light, amber	NEW	16



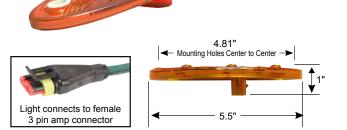
- ABS and acrylic construction
- BOARDFREE® technology with 8 diodes
- · Sealed and greased integrated male 3 pin AMP connector
- · Side turn light meets SAE I, P2 and P3 for turn signals and side markers
- Stop-tail-turn light meets SAE S2 and T2 specifications
- · Low stress mounting holes
- · Connects to Phillips pigtail: P/N: 51-96610
- Optional stainless steel trim ring available (P/N: 51-60904)



5.5" J2039 Side Turn/Marker Light



- · ABS and acrylic construction
- 10 times thinner than any other J2039 side turn light on the market
- BOARDFREE® technology with 9 diodes
- Sealed and greased integrated male 3 pin AMP connector
- Meets SAE P2 E for turn signals and side markers
- · Low stress mounting holes
- · Connects to Phillips pigtail: P/N: 51-96610



4.0" Low Profile Marker/Clearance Lights

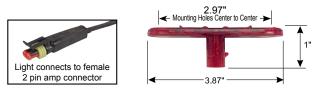
EZ BOARDFREE Technology

Part No.	Description	Qty.
51-18312	4.0" low profile marker/clearance light, red	1
51-18312-10	4.0" low profile marker/clearance light, red	10
51-18313	4.0" low profile marker/clearance light, amber	1
51-18313-10	4.0" low profile marker/clearance light, amber	10



- BOARDFREE® technology with 4 diodes
- · Sealed and greased integrated male 2 pin AMP connector
- Meets SAE PC standards for marker lights
- Meets FMVSS 108
- · Slotted low stress mounting hole
- Connects to Phillips pigtails: P/Ns: 51-96310; 51-96319; 51-96210
- Optional mounting gasket available (P/N: 51-18500)





3/4" PC2 Rated Round Marker/Clearance Light







*PC2 light must be mounted with 51-34500 grommet when mounting against trim ring or adapter plates

Part No.	Description		Qty.
51-34302	3/4" PC2 rated round marker/clearance light, red		1
51-34302-10	3/4" PC2 rated round marker/clearance light, red	NEW	10
51-34303	3/4" PC2 rated round marker/clearance light, amber		1
51-34303-10	3/4" PC2 rated round marker/clearance light, amber	NEW	10
51-34500	Mounting grommet for 3/4" PC2 rated round marker/clearance light*		1
51-34500-10	Mounting grommet for 3/4" PC2 rated round marker/clearance light*	NEW	10
51-34550	Anti-theft mounting ring for 3/4" PC2 rated round marker/clearance light		1
51-34550-10	Anti-theft mounting ring for 3/4" PC2 rated round marker/clearance light	NEW	10

- Acrylic construction
- Sealed and greased integrated male 2 pin AMP connector
- BOARDFREE® technology with a single diode
- Meets SAE PC2 standard for marker lights
- Anti-theft mounting ring or mounting grommet available
- Connects to Phillips pigtails: P/Ns: 51-96310; 51-96319; 51-96210
- Optional trim ring available* (P/N: 51-34904)
- Optional adapter plates available* (P/N: 51-34020 or 51-34025)

Hard Wired

PERMALITE™ HD TRAILER LIGHTING

3/4" Round Single Function Marker/Clearance Light

AMP Connections

Part No.	Description		Qty.
51-34312	3/4" PC rated round single function light, 2 pin AMP connector, red	NEW	1
51-34312-25	3/4" PC rated round single function light, 2 pin AMP connector, red	NEW	25
51-34313	3/4" PC rated round single function light, 2 pin AMP connector, amber	NEW	1
51-34313-25	3/4" PC rated round single function light, 2 pin AMP connector, amber	NEW	25
51-34412	3/4" PC rated round single function light, 2 pin AMP connector, clear lens, red	NEW	1
51-34412-25	3/4" PC rated round single function light, 2 pin AMP connector, clear lens, red	NEW	25
51-34413	3/4" PC rated round single function light, 2 pin AMP connector, clear lens, amber	NEW	1
51-34413-25	3/4" PC rated round single function light, 2 pin AMP connector, clear lens, amber	NEW	25



AMP Connections

- Polycarbonate lens with sealed housing and hard wired connection
- 3 diodes
- 16 ga., 8 in. wire leads with sealed 2 pin male AMP connection
- Meets SAE J592 standards for P2/PC marker/clearance lights
- IP65 rated
- Includes mounting grommet (P/N: 51-34501)
- Optional adapter plates available (P/N: 51-34020 or 51-34025)
- Connects to Phillips pigtails: P/Ns: 51-96310; 51-96319; 51-96210

Bullet Connections

Part No.	Description		Qty.
51-34322	3/4" PC rated round single function light, (2) .180 bullet connectors, red	NEW	1
51-34322-25	3/4" PC rated round single function light, (2) .180 bullet connectors, red	NEW	25
51-34323	3/4" PC rated round single function light, (2) .180 bullet connectors, amber	NEW	1
51-34323-25	3/4" PC rated round single function light, (2) .180 bullet connectors, amber	NEW	25
51-34422	3/4" PC rated round single function light, (2) .180 bullet connectors, clear lens, red	NEW	1
51-34422-25	3/4" PC rated round single function light, (2) .180 bullet connectors, clear lens, red	NEW	25
51-34423	3/4" PC rated round single function light, (2) .180 bullet connectors, clear lens, amber	NEW	1
51-34423-25	3/4" PC rated round single function light, (2) .180 bullet connectors, clear lens, amber	NEW	25

- · Polycarbonate lens with sealed housing and hard wired connections
- 3 diodes
- 16 ga., 8 in. wire leads with .180 male bullet connections
- Meets SAE J592 standards for P2/PC marker/clearance lights
- IP65 rated
- Includes mounting grommet (P/N: 51-34501)
- Optional adapter plates available (P/N: 51-34020 or 51-34025)



3/4" Round Dual Function Marker/Clearance Light

Hard Wired



AMP Connections

AMP Connections

Part No.	Description		Qty.
51-35312	3/4" PC rated round dual function light, 3 pin AMP connector, red	NEW	1
51-35312-25	3/4" PC rated round dual function light, 3 pin AMP connector, red	NEW	25
51-35313	3/4" PC rated round dual function light, 3 pin AMP connector, amber	NEW	1
51-35313-25	3/4" PC rated round dual function light, 3 pin AMP connector, amber	NEW	25
51-35412	3/4" PC rated round dual function light, 3 pin AMP connector, clear lens, red	NEW	1
51-35412-25	3/4" PC rated round dual function light, 3 pin AMP connector, clear lens, red	NEW	25
51-35413	3/4" PC rated round dual function light, 3 pin AMP connector, clear lens, amber	NEW	1
51-35413-25	3/4" PC rated round dual function light, 3 pin AMP connector, clear lens, amber	NEW	25

- Polycarbonate lens with sealed housing and hard wired connection
- 3 diodes
- 16 ga., 8 in. wire leads with sealed 3 pin male AMP connection
- Meets SAE J592 standards for P2/PC marker/clearance lights in low mode
- IP65 rated
- Includes mounting grommet (P/N: 51-34501)
- Optional adapter plates available (P/N: 51-34020 or 51-34025)
- Connects to Phillips pigtail: P/N: 51-96610









Part No.	Description		Qty.
51-35322	3/4" PC rated round dual function light, (3) .180 bullet connectors, red	NEW	1
51-35322-25	3/4" PC rated round dual function light, (3) .180 bullet connectors, red	NEW	25
51-35323	3/4" PC rated round dual function light, (3) .180 bullet connectors, amber	NEW	1
51-35323-25	3/4" PC rated round dual function light, (3) .180 bullet connectors, amber	NEW	25
51-35422	3/4" PC rated round dual function light, (3) .180 bullet connectors, clear lens, red	NEW	1
51-35422-25	3/4" PC rated round dual function light, (3) .180 bullet connectors, clear lens, red	NEW	25
51-35423	3/4" PC rated round dual function light, (3) .180 bullet connectors, clear lens, amber	NEW	1
51-35423-25	3/4" PC rated round dual function light, (3) .180 bullet connectors, clear lens, amber	NEW	25

- Polycarbonate lens with sealed housing and hard wired connections
- 3 diodes
- 16 ga., 8 in. wire lead with .180 male bullet connections
- Meets SAE J592 standards for P2/PC marker/clearance lights in low mode
- IP65 rated
- Includes mounting grommet (P/N: 51-34501)
- Optional adapter plates available (P/N: 51-34020 or 51-34025)

4.0" Low Profile License Light

EDARDFREE Technology

Part No.	Description	Qty.
51-18701	4.0" low profile license light, clear	1
51-18701-10	4.0" low profile license light, clear	10
51-18701K	Kit - 4.0" low profile license light, (51-18701), mounting bracket (51-18900) and pigtail AMP connector (51-96210)	1

- · ABS and acrylic construction
- Sealed and greased integrated male 2 pin AMP connector
- BOARDFREE® technology with 4 diodes
- · Meets SAE L standard for use as a license light by FMVSS
- · Slotted low stress mounting holes
- Optional mounting bracket available (P/N: 51-18900)
- Connects to Phillips pigtails: P/Ns: 51-96310; 51-96319; 51-96210

Kit

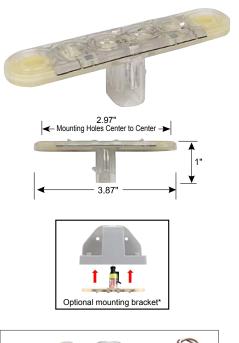
• 51-18701K Includes:

51-18701 (1) 4.0 in. low profile license light

51-18900 (1) 4.0 in. low profile license light mounting bracket

51-96210 (1) Pigtail, 2 pin female AMP connector to (2) .180

male bullet connections





AMP Connections

Part No.	Description		Qty.
51-34711	3/4" round license light, 2 pin AMP connector, clear	N	1
51-34711-10	3/4" round license light, 2 pin AMP connector, clear	N	10

- Polycarbonate lens with sealed housing and hard wired connection
- · 3 diodes
- 16 ga., 8 in. wire leads with sealed 2 pin male AMP connection
- · Meets SAE L standard for use as a license light when mounted correctly
- Includes hooded mounting grommet
- Connects to Phillips pigtails: P/Ns: 51-96310; 51-96319; 51-96210

Bullet Connections

Part No.	Description		Qty.
51-34721	3/4" round license light, (2) .180 bullet connectors, clear	NEW	1
51-34721-10	3/4" round license light, (2) .180 bullet connectors, clear	NEW	10

- Polycarbonate lens with sealed housing and hard wired connections
- · 3 diodes
- 16 ga., 8 in. wire lead with .180 male bullet connections
- · Meets SAE L standard for use as a license light when mounted correctly
- · Includes hooded mounting grommet

3/4" Round License Light

Hard Wired



3/4" Round Auxiliary Light

Hard Wired







AMP Connections

Part No.	Description		Qty.
51-34011	3/4" round auxilary light, 2 pin AMP connector, clear	NEW	1
51-34011-10	3/4" round auxilary light, 2 pin AMP connector, clear	NEW	10

- Polycarbonate lens with sealed housing and hard wired connection
- 3 diodes
- 16 ga., 8 in. wire leads with sealed 2 pin male AMP connection
- Includes mounting grommet (P/N: 51-34501)
- Optional adapter plates available (P/N: 51-34020 or 51-34025)
- Connects to Phillips pigtails: P/Ns: 51-96310; 51-96319; 51-96210

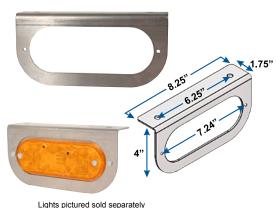
Bullet Connections

Part No.	Description		Qty.
51-34021	3/4" round auxilary light, (2) .180 bullet connectors, clear	NEW	1
51-34021-10	3/4" round license light, (2) .180 bullet connectors, clear	NEW	10

- · Polycarbonate lens with sealed housing and hard wired connections
- · 3 diodes
- 16 ga., 8 in. wire lead with .180 male bullet connections
- Includes mounting grommet (P/N: 51-34501)
- Optional adapter plates available (P/N: 51-34020 or 51-34025)

BRACKET AND MOUNTING ACCESSORIES

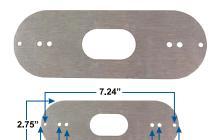
Side Turn Light Mounting Bracket



Part No.	Description		Qty.
51-60900	Mounting bracket for side turn lights		1
51-60900-10	Mounting bracket for side turn lights	NEW	10

- Features high-strength 12 ga. 304 stainless steel construction with 90 degree flange for mounting
- 6.25 in. mounting hole spacing
- 0.365 in. mounting holes
- Accommodates standard grommet or flange mounted
 6 in. oval side turn lighting products on the market
- Surface mount PERMALITE™ XT side turn lights (P/N: 51-60103 and 51-60213) will require back plate adapter (P/N: 51-60910) for installation

Back Plate Adapter



4.81' 5.61'

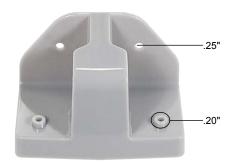
Part No.	Description	Qty.
51-60910	Back plate adapter for side turn lights	1
51-60910-10	Back plate adapter for side turn lights	10

- Features high-strength 12 ga. 304 stainless steel construction
- Designed to mount PERMALITE™ XT side turn lights (P/N: 51-60103 and 51-60213) on standard industry mounting brackets (Phillips mounting bracket P/N: 51-60900)

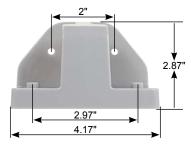
4.0" Low Profile License Light Bracket

Part No.	Description	Qty.
51-18900	4.0" low profile license light mounting bracket	1

- Adds additional protection to the PERMALITE™ XT 4.0 in. low profile license light
- Made of UV resistant non-corrosive polycarbonate material
- The 2 pin AMP connector without a sealed boot must be used to accommodate for spacing within the bracket for the pigtail wiring (Phillips P/N: 51-96210)







Light and pigtail pictured sold separately

4.0" Mounting Grommet

For 4.0" Round Grommet Mount Lights

Part No.	Description	Qty.
51-40500	Mounting grommet for 4.0" round grommet mount lights	1
51-40500-25	Mounting grommet for 4.0" round grommet mount lights	25

- · Grommet provides additional protection to the light against vibration and shock
- Fits in standard 4.5 in. openings
- Grommet mounts up to a 1/4 in. plate
- Made of UV protected EPDM



6.5" Mounting Grommet

For 6.5" Oval Grommet Mount Lights

Part No.	Description	Qty.
51-60500	Mounting grommet for 6.5" oval grommet mount stop-tail-turn and side turn/marker lights	1
51-60500-25	Mounting grommet for 6.5" oval grommet mount stop-tail-turn and side turn/marker lights	25

- · Grommet provides additional protection to the light against vibration and shock
- · Fits in standard openings
- Grommet mounts up to a 1/4 in. plate
- Made of UV protected EPDM



Lights pictured sold separately



3/4" PC2 Mounting Grommet

For 3/4" PC2 Rated Round Marker/Clearance Lights





Part No.	Description	Qty.
51-34500	Mounting grommet for 3/4" PC2 rated round marker/clearance lights	1
51-34500-10	Mounting grommet for 3/4" PC2 rated round marker/clearance lights	10

- For use with the PERMALITE™ XT 3/4 in. PC2 rated round marker/clearance light only
- Constructed of EPM rubber and is resistant to the weather elements

3/4" PC2 Anti-Theft Mounting Ring

For 3/4" PC2 Rated Round Marker/Clearance Lights





Part No.	Description	Qty.
51-34550	Anti-theft mounting ring for 3/4" PC2 rated round marker/clearance lights	1
51-34550-10	Anti-theft mounting ring for 3/4" PC2 rated round marker/clearance lights	10

- For use with the PERMALITE™ XT 3/4 in. PC2 rated round marker/clearance lights
- Constructed of high-strength POM material which is abrasion and heat resistant

3/4" Mounting Grommet

For 3/4" Round Hard Wired Lights







Light pictured not included with purchase of 51-34501

Part No.	Description	Qty.
51-34501	Mounting grommet for 3/4" round hard wired lights	5

- For use with 3/4 in. round hard wired single function, dual function and auxiliary lights
 (Not for use with 3/4 in. round hard wired license lights)
- Constructed of EPM rubber and is resistant to the weather elements
- Fits trailer plate thickness of 1/8 in. 1/4 in.

2.0" Mounting Adapter Plate

For 3/4" Round Lights

Part No.	Description	Qty.
51-34020	2.0" adapter plate for 3/4" PC and PC2 lights NEW	1
51-34020-10	2.0" adapter plate for 3/4" PC and PC2 lights NEW	10

- For use with PERMALITE™ XT 3/4 in. round lights
- Light must be mounted with grommet to the adapter plate
- · Adapter plate comes with installation holes for riveting to the surface around the light
- Constructed of non-corrosive polycarbonate material
- Used to upgrade traditional 2.0 in. flange style lights to smaller more efficient LED lights
- · Universal mounting pattern



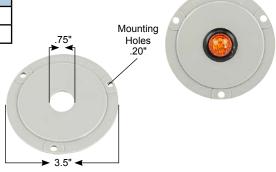
Light and grommet pictured sold separately

2.5" Mounting Adapter Plate

For 3/4" Round Lights

Part No.	Description	Qty.
51-34025	2.5" adapter plate for 3/4" PC and PC2 lights NEW	1
51-34025-10	2.5" adapter plate for 3/4" PC and PC2 lights NEW	10

- For use with PERMALITE™ XT 3/4 in. round lights
- Light must be mounted with grommet to the adapter plate
- · Adapter plate comes with installation holes for riveting to the surface around the light
- Constructed of non-corrosive polycarbonate material
- Used to upgrade traditional 2.5 in. flange style lights to smaller more efficient LED lights
- · Universal mounting pattern



Light and grommet pictured sold separately

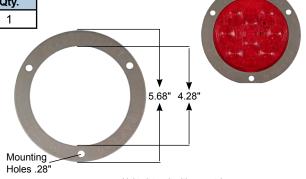
LIGHTING STAINLESS STEEL TRIM RINGS

- · Attractive add-on feature
- · Provides added anti-theft benefits when installed using rivets
- All trim rings are made of stainless steel for durability and corrosion resistance

Trim Ring For 4.0" Flange Mount Lights

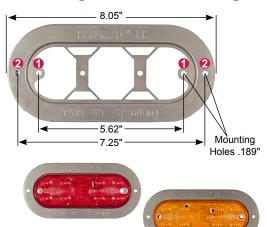
Part No.	Description	Qty.
51-40904	Trim ring for 4.0" round stop-tail-turn light	1

- For use with PERMALITE™ XT 4.0 in. round stop-tail-turn light (P/N: 51-40202 and reverse light P/N: 51-40801)
- · Can also be used on similar flanged lights
- Install using 1/4 in. rivets for additional protection against theft



Light pictured sold separately

Trim Ring For 6.5" Oval Lights



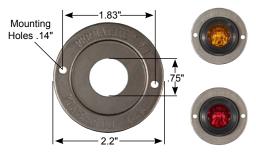
Light pictured sold separately

Part No.	Description	Qty.
51-60904	Trim ring/adapter plate for 6.5" oval side turn lights	1

- For use with PERMALITE™ XT 6.5 in. oval side turn/marker light (P/N: 51-60103) and PERMALITE™ XT 6.5 in. oval stop-tail-turn light (P/N: 51-60102)
- Can be used to install the light in a standard opening without the use of an additional adapter plate by:
- 1. Riveting the light directly to the trim ring
- Then riveting the trim ring to the mounting surface around the opening

(Mounting holes for 1 & 2 can be referenced in the figure to the left)

Trim Ring For 3/4" PC2 Rated Round Lights



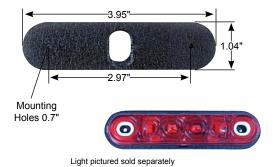
Lights and grommet pictured sold separately

Part No.	Description	Qty.1
51-34904	Trim ring for 3/4" PC2 rated	
	round marker/clearance light	'

- For use with PERMALITE™ XT PC2 rated round marker/clearance lights (P/N: 51-34302; red and 51-34303; amber)
- Light must be mounted with 51-34500 grommet against trim ring
- Trim ring comes with installation holes for optional riveting to the surface around the light

LIGHTING GASKET

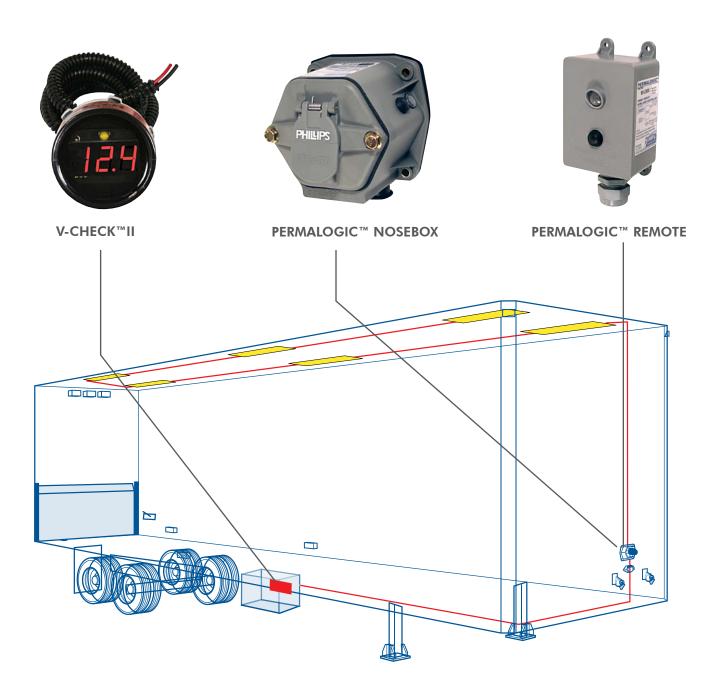
4.0" Low Profile Marker/Clearance Light Mounting Gasket



Part No. Description		Qty.1	
51-18500	Mounting gasket for low profile marker/ clearance lights		1
51-18500-10	Mounting gasket for low profile marker/ clearance lights	NEW	10

- Helps prevent water intrusion and corrosion
- For use with the PERMALITE™ XT 4.0 in. low profile marker/clearance lights (P/N: 51-18312; red and 51-18313; amber)
- · Constructed of PE foam with adhesive back

V-CHECK™ II & DOME LAMP CONTROLLERS





One look is all it takes to ensure your batteries have all the power they need. V-CHECK™ II digitally monitors the state of power for any battery, particularly liftgate batteries.

V-CHECK™ II



Part No.	Description	
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

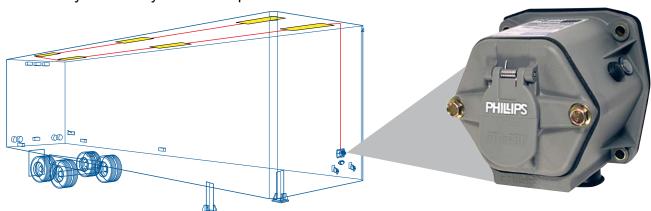
- Unit will enter sleep mode after 2 days of no activity
- Unit will wake when voltage fluctuates +/- 0.2V

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 O
11.3V - 12.3V	10% - 70%	RED 🔵
11.2V - 9.0V	SOS	RED •
_9.0V (Below 9.0V)	SOS	RED 🔵

PERMALOGIC™

Trailer Dome Lamp Controller

PERMALOGIC™ is an all-weather, all-electronic controller designed to manage power to trailer dome lamps. By simply stepping on the brake pedal, allowing the automatic timer to turn off the lamps, manually flipping a switch, or low battery voltage disconnect - you'll save the life of your battery and the expense of a road call.





Lamps are on



Normal conditions/ Trailer dome lamps are off

16-95246PL



Overloaded circuit



Constant - low voltage Flashing - low voltage shut-off

- · Eliminates any chance of leaving trailer dome lamps on
- Turns off trailer dome lamps by stepping on the brake pedal
- Fully electronic eliminates mechanical air pressure switch
- Visual indicator of tractor battery condition
- · Weatherpoof, solid-state electronics
- Patent No. 7,498,687

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REMOTE UNIT

	REMOTE	
	Part No.	Description
ĺ	60-2500	Single circuit, remote unit
I	60-2502	Dual circuit, remote unit

NOSEBOX		
Part No.	Description	
60-2520	Single circuit, without circuit breakers, composite nosebox	
60-2520-20	Single circuit, with 20 amp circuit breakers, composite nosebox	
60-2520-30	Single circuit, with 30 amp circuit breakers, composite nosebox	
60-2522	Dual circuit, without circuit breakers, composite nosebox	
60-2522-20	Dual circuit, with 20 amp circuit breakers, composite nosebox	

· All -20 part

QWIK-E® gladhands on mounting plate

All -20 part ni	mbers contain 20 amp circuit breakers, 30 amp on blue wire	
STA-DRY® S	7™ NOSEBOX	
Part No.	Description	
16-9520PL	STA-DRY® S7™ nosebox with 20 amp circuit breakers	
16-9530PL	STA-DRY® S7™ nosebox with 30 amp circuit breakers	
16 052/6DI	STA-DRY® S7™ nosebox with 20 amp circuit breakers, emergency and	



NOSEBOX KIT



STA-DRY® S7™ NOSEBOX

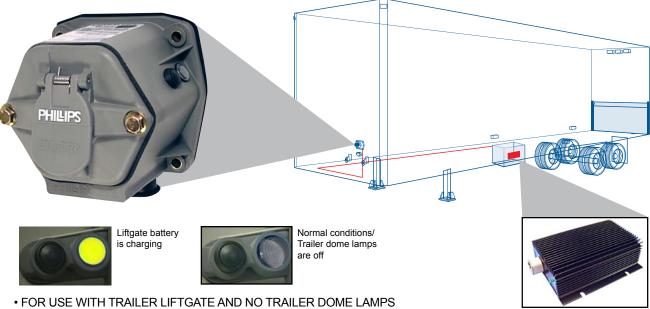


STA-DRY® S7™ SYSTEM

PERMALOGIC™ TC

Liftgate Battery Charging System

PERMALOGIC™ TC can eliminate the need for a single or dual pole set-up in most situations* by providing a 14.4 volt charge to the liftgate battery. By stepping up the voltage, the liftgate battery is charged to capacity, allowing for more frequent use of the liftgate.



- 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

REMOTE UNIT	
Part No.	Description
60-2600	Remote unit

NOSEBOX KIT			
Part No.	Description		
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™



NOSEBOX KIT

REF	PLACEMENT	PARTS

Part No.	Description	
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	

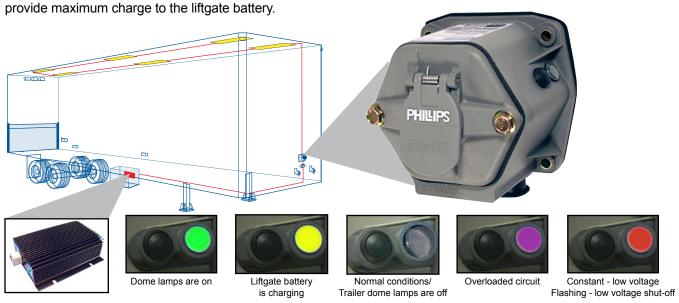
[•] All -20 part numbers contain 20 amp circuit breakers, 30 amp on blue wire

^{*} Depending on liftgate load, size and cycles

PERMALOGIC™ TC PLUS

Complete Trailer Power Management System

PERMALOGIC™ TC PLUS offers both the trailer dome lamp controller and liftgate charger, in one package. Trailer dome lamps can be controlled normally and the liftgate charger is automatically used when needed to



- FOR USE WITH TRAILER LIFTGATE AND TRAILER 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	
Part No.	Description
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™



REPLACEMENT PARTS			
Part No.	Description		
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		

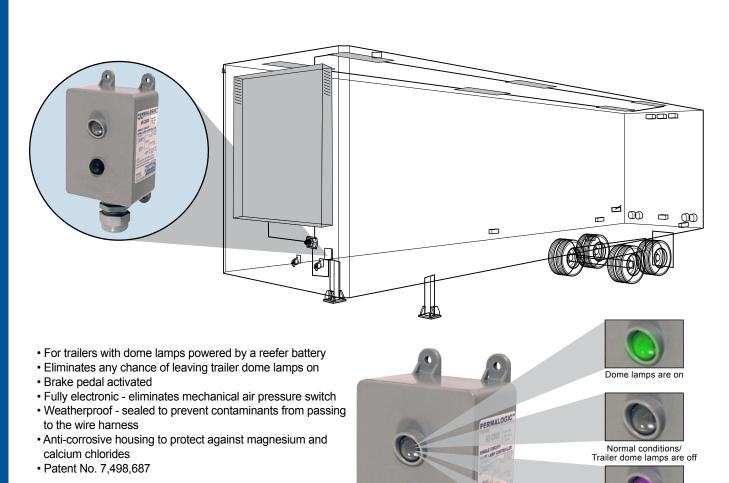
• All -20 part numbers contain 20 amp circuit breakers, 30 amp on blue wire



PERMALOGIC™ REEFER

Trailer Dome Lamp Controller For Refrigeration Units

PERMALOGIC™ REEFER is an all-weather, all-electronic controller designed to manage power to trailer dome lamps in trailers with refrigeration units. By simply stepping on the brake pedal, allowing the automatic timer to turn off the lamps, or manually flipping a switch - you'll save the life of your battery and the expense of a road call.



Constant - low voltage Flashing - low voltage shut-off

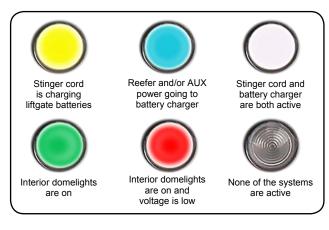
REMOTE	
Part No.	Description
60-2800	Single circuit, stand-alone

PERMALOGICTM SMART-CHARGE

Trailer Power Management

The PERMALOGIC™ Smart-Charge is a "smart" charging system for liftgate and auxiliary battery banks that recognizes and automatically manages the best power source(s) to charge your batteries from ALL available sources collectively at the same time.

- · Regulates power draw from ALL available sources collectively
- · 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





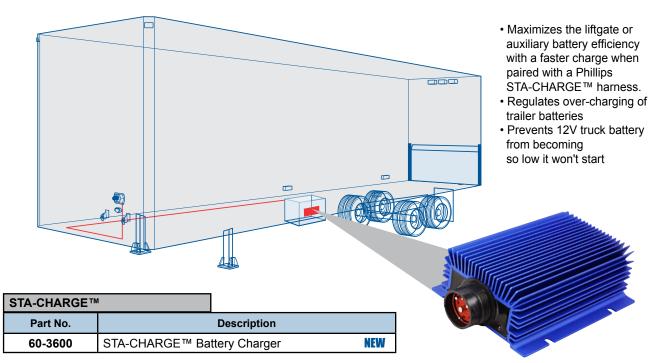
How it works

- With the PERMALOGIC™ Smart-Charge, the STA-CHARGE™ Battery Charger pulls power at no more than a maximum combined 28 Amps from the following sources collectively:
 - 1. J560 7-way AUX/BLUE circuit
 - 2. Reefer unit
 - 3. Additional input to accommodate for technological charging input advances ie. solar
- If these sources run low or become depleted, and power from the STA-CHARGE™ Battery Charger is no longer enough, the PERMALOGIC™ Smart-Charge will automatically engage the liftgate/auxiliary charging system to supplement the charging.
- The liftgate/auxiliary charging system will work in conjunction with the STA-CHARGE™ battery charger, or independently.

PERMALOGIC	M SMART-CHARGE Kit		
Part No.	Description		
60-3000KT	PERMALOGIC™ Smart-Charge Kit		NEW

60-3000KT Con	tents		
Part No.	Description		
60-3000	PERMALOGIC™ Smart-Charge – Dual Nosebox		NEW
60-3600	STA-CHARGE™ - Liftgate Battery Charger		NEW
60-3650-540	45', STA-CHARGE™ Harness		NEW
60-2687	45', Dual Pole/Single Pole (Stinger) Cable, 2 ga.		NEW
60-2691	5', 7-Way AUX Harness		NEW
60-2692	10', Reefer Harness		NEW

STA-CHARGE™ Battery Charger



- · For 12V liftgate/load batteries
- Input voltage: 8V 16V
- Output voltage: 14.4V**
- Maximum input current: 27A
- · Maximum output current: 23A
- Automatically adjusts output voltage depending on temperature
- Environmentally sealed connector
- · Anodized cooling heatsink

- Visual indicator shows status of charging
- Phillips patented Lock Out feature: stops charging batteries when brakes are pressed
 - -When tied to the BLUE circuit, this ensures all power is available during an ABS event
- Standard mounting pattern
- Must be used with a Phillips STA-CHARGE™
 harness or available harness adapters (see below)
- **Voltage is temperature compensated so that in cold temperature the batteries are charged at a higher voltage.



STA-CHARGE	™ Harness		
Part No.	Description		
60-3650-540	45' STA-CHARGE™ harness NEW		

- Other charging systems use 10 ga. wire harnesses, which increase the time it
 takes to charge the batteries. The STA-CHARGE™ 8 ga. harness allows for a
 faster charge rate, resulting in an increased number of liftgate cycles sooner.
- · Other lengths are available
- Contact your sales representative for more information



Harness Adapt	ters		
Part No.		Description	
60-3651	Harness Adapter – T to STA-CHARGE™	RAIL-CHARGER™ harness assembly	NEW

• For retrofitting a STA-CHARGE™ with existing TRAIL-CHARGER™ harness

Part No.	Description
60-3652	Harness Adapter – STA-CHARGE™ harness to TRAIL-CHARGER™ assembly

 For retrofitting a new STA-CHARGE™ harness with an existing TRAIL-CHARGER™ unit

TOOLS & GENERAL ACCESSORIES



BATTERY TOOLS

Heavy Duty Hand-Held Cable Cutter



Part No.	Description
4-101	Heavy duty hand-held cable cutter

- Cuts up to 2/0 cable
- · For use with copper cable only

Hammer Crimper



Part No.	Description
4-140	Hammer style crimping tool

- Crimps 8 thru 4/0 ga. connectors
- · Use with hammer
- · Fits in any tool box

6/0 Cable Cutters



Part No.	Description
4-146	Heavy duty cutter, bench mount
4-147	Heavy duty cutter, hand held

- Cuts cable up to 6/0 ga. (250 MCM)
- Blades made of carbon steel for strength and long life
- 26 in. handle(s)

Battery Terminal Crimper



Part No.	Description
4-150	Crimper, lever style

- Designed for light and medium duty battery terminals
- Crimps 8 ga. thru 1/0 ga.
- 15 in. handles

Heavy Duty Battery Terminal Crimpers

Part No.	Description
4-152	Hand-held, hex crimp
4-153	Bench mount, hex crimp

- Hand-held and bench mount models
- Bench mount also attaches to wall, service trucks, etc.
- Bench mount tools are easier and safer to use
- Crimps 8 ga. thru 6/0 ga.
- 26 in. handle(s)



Wire Stripping & Crimping Tool

Part No.	Description
4-214	Wire stripping and crimping tool



- Multi-purpose tool
- Strips wire sizes from 22 thru 10 ga.
- · Crimps insulated and non-insulated terminals
- Machined for precision wire cuts and strips
- Color-coded to ensure proper crimp
- Overlapping teeth provide a consistent cut
- · Insulated handles for safety

Self-Adjusting Wire Stripper/Cutter

Part No.	Description
4-220	Self-adjusting wire stripper/cutter

- Strips wire from 20 thru 12 ga.
- · Blades adjust automatically to the wire being stripped
- · Built-in cutter blades
- One set of teeth grip the wire and the second set cuts and strips the insulation



Cable Stripper



Part No.	Description
4-221	Cable stripper

- Strips 10 thru 4/0 ga. cable and 2 to 7 conductor round cable
- Easily removes cable insulation
- · Adjustable stripper depth
- · Contains replacement blade

Ratcheting Crimper



Part No.	Description
4-230	Ratcheting crimper

- Calibrated for STA-DRY® heat shrink connectors
- Assures the proper crimp force will be applied to heat shrink connectors every time
- · Color-coded crimp nest for ease and accurate crimp
- Designed to install 20 thru 8 ga. terminals

Cable Tie Installation Tool



Part No.	Description
4-231	Plastic cable tie installation tool

- Secures nylon cable ties
- · Plastic is good for light duty or occasional use

Heavy Duty Wire Stripper & Cutter



Part No.	Description
4-507	Heavy duty wire stripper and cutter

Cuts and crimps 22 thru 6 ga. wire and terminals

QWIK-FIT™ Tubing Release Tool

Part No.	Description	
12-90005	QWIK-FIT™ tubing release tool	

- Designed to push and connect tubing to fittings in hard to reach places such as under the dash board
- Accomodates 1/8 in. and 1/4 in. sized fitting



Part No. Description 12-90003 Nylon tube cutter - economy

- Compact Ideal for emergency situations
- · Preset tubing guides

Nylon Air Tube Cutters



Part No.	Description	
12-90002	90002 Nylon tube cutter – standard	

- · Ideal for shop use
- 1/2 in. tubing maximum
- Preset tubing guides



Part No.	Description
12-90004 Nylon tube cutter – heavy duty*	
4-904 Replacement blade for nylon tube cutter heavy dut	

- · Ideal for heavy use or production lines
- · Shortened nose for greater clearance during installation
- Preset tubing guides
- * Replaceable blade sold separately



POCKET CONTINUITY TESTERS

- · Checks conductivity of all circuits
- Fits all standard 7-way round, 7-way blade type and 4-way flat connectors
- LED lights glow when circuit is functioning correctly
- All testers are internally grounded

- Handy and essential tool for every shop
- Many drivers carry these LED circuit checkers to quickly identify lighting problems prior to leaving yard

7-Way Socket Circuit Checker



Part No.	Description
15-200 7-way LED circuit checker for J560 system	

- For SAE J560 sockets
- For use on tractor side or back of trailer when there is a 7-way socket available

7-Way Plug Circuit Checker



Part No.	Description
15-208 7-way LED circuit checker for J560 system	

- For SAE J560 plugs
- · For use on tractor side

7-Way E-Z Tester



Part No.	Description
63-0170	7-way tester for 7-way blade socket type

• For 7-way RV type sockets

4-Way E-Z Tester



Part No.	Description
63-0040	4-way tester

• For 4-way flat connections

Digital Multimeter



Part No.	Description
4-532	Digital multimeter

Check fuses, plugs, sockets, electrical cables, extension cords, control panels, small appliance, batteries, wall receptacles, etc.

- Pocket size
- Large LED display
- · Temperature display
- Overload protection
- Accurate within .5%
- · Low battery indicator

SHOP TOOLS & ACCESSORIES

66 LED with Flashlight

Part No.	Description
8-120	Rechargeable LED work lamp

- 66 bright white LED floodlight runs up to 4 hours
- 6 bright white LED flashlight runs up to 24 hours
- Rechargeable charges in about 3 hours on 110/220V AC or 12V DC power
- Dual mode switch operates floodlight or flashlight



Professional Fluorescent Work Lamp with Tool

Part No.	Description	
8-110	26 watt fluorescent work lamp	

- 26 watts, equivalent to 125 watt incandescent bulb
- · Spot work light on top
- 90 degree swivel cord pivots for hands-free, stand-up use
- 3 wire, 25 ft. cord
- Retractable and removable nylon-tipped double hang hook rotates 360 degrees
- Polarized plug with 12 amp grounded receptacle



Retractable Triple Outlet Cord Reel

Part No.	Length	Gauge
8-103	30'	3/16

- Triple outlet retractable cord reel provides three grounding outlets
- Rugged cord reel and jacketed cord give superior performance under the toughest conditions
- Complete with mounting hardware
- 3 conductor SJTW-A, 300V



SHOP TOOLS & ACCESSORIES

110 Volt Drop Light



Part No.	Gauge	Length
8-101	3/16	50'

- High-visibility, heavy duty jacketing resists oil, grease, fuel, acids and abrasion
- 3 conductor drop light
- Metal bulb shield (bulb not included)
- UL listed

110 Volt Plug & Socket



Part No.	Description
8-210	15a 125v. male plug
8-211	15a 125v. female socket

- 2-pole, 3-wire, enclosed parallel grounding
- · Armored cap yellow vinyl

Air Cab Blower



Part No.	Description
11-304	Cab blower kit
4-500	Air gun only

- · Cleans the cab in a hurry
- 18 ft. working length
- · Swivel fitting on one end
- 1/4 in. M.P.T. on both ends
- Desirable safety yellow color per U.S. Government OSHA directives
- Service temperature range: -40°F to 200°F (-40°C to 93°C)
- 225 PSI maximum working pressure

Retractable Shop Air Hose



Part No.	I.D.	Working Length	Each End
11-414	1/4"	18'	1/4" NPT
11-416	3/8"	18'	3/8" NPT

- For work bench, overhead air supply and low pressure air powered equipment and tools
- · Swivel fitting on one end
- 225 PSI maximum working pressure
- Desirable safety yellow color per U.S. Government OSHA directives
- Service temperature range: -40°F to 200°F (-40°C to 93°C)

HEAVY DUTY TIRE INFLATOR

Heavy Duty Tire Inflator

Part No.	Description
11-301	50' heavy duty tire inflator

- For use on trucks with air brake systems
- 50 ft. straight PVC air hose to reach all tires
- Includes universal gladhand (12-010) and air chuck



HEAT GUN & TORCHES

Heat Gun

Part No.	Description
4-046	Heavy duty heat gun

- · Includes stand and deflector shield for easy use
- Lightweight 2 1/2 lbs
- · Built-in circuit breaker protects operator and unit
- · Adjustable air intake and heat settings
- Double jacketed nozzle helps insulate heat
- Heat range 500°F to 750°F
- 115V; 14 amps



Mini-Jet Torch

Part No.	Description
4-054	Mini-jet torch, blister pack
4-055	Mini-jet torch, 2 clip strips with 6 blister packs per strip

- For small jobs and quick repairs
- · Lifetime waterproof ignition system
- Refillable tank provides up to 30 minutes of butane capacity
- · Adjustable gas flow with wind-resistant flame
- Protective flip-open cap
- See-through fuel tank
- Meets Consumer Product Safety Commission 16CFR Part 1212 Safety Standard for Multi-Purpose Lighters (Child Resistant)

Specifications		
Length Height Width	35 mm (1.4 in) 71 mm (2.8 in) 20 mm (0.8 in)	
Weight (when gas-filled)	46 g	
Flame temperature	1300°C (2500°F)	
Gas container capacity	5 ml	
Operating capacity (one gas filling)	30 min.	



Professional Torch







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Part No.	Description	
4-057	Professional torch, box	

- For daily professional use
- · Adjustable flame
- Refillable tank provides up to 220 minutes of butane capacity
- · Brass body covered with a protective grip
- · Waterproof piezoelectric ignition system
- · Removable base provides for storage flexibility
- Meets Consumer Product Safety Commission 16CFR Part 1212 - Safety Standard for Multi-Purpose Lighters (Child Resistance)

Specifications			
Length Height W/O stand Width	100 mm (1.4 in) 138 mm (2.8 in) 36 mm (0.8 in)		
Weight (when gas-filled)	280 g		
Flame temperature	1300°C (2500°F)		
Gas container capacity	60 ml		
Operating capacity (one gas filling)	220 min.		

Heavy Duty Torch







	F	PHARES	
-		•	
	П	П	
		П	

Part No.	Description
4-058	Heavy duty torch, clamshell

- · For battery terminals and heavy wall shrink tubing
- · Highest BTU output of all Phillips torches
- Adjustable flame
- · Waterproof piezoelectric ignition system
- Refillable tank provides up to 120 minutes of butane capacity
- · Powerful wind-resistant flame
- Meets Consumer Product Safety Commission 16CFR Part 1212 - Safety Standard for Multi-Purpose Lighters (Child Resistance)
- Due to large flame, this torch is not recommended for use with heat shrink terminals

Specifica	tions
Length Height Grip Diameter Base Diameter	128 mm (4.73 in) 172 mm (6.8 in) 45 mm (1.78 in) 65 mm (2.56 in)
Weight (Empty)	460 g
Flame temperature	2600°F (1350°C)
Gas container capacity	60 ml
Operating capacity (one gas filling)	120 min.

BRUSHES

Heavy Duty Battery Post & Terminal Cleaner

Part No.	Description
4-120	Battery post and terminal brush

· Internal wire brush



6 & 7-Way Plug & Socket Brush

Part No.	Description
4-121	7-way plug and socket brush
4-122	6-way plug and socket brush

- · Stainless steel bristles for durability
- Perfect for glove box or tool box



Flush-Mounted 7-Way Plug Brush

Part No.	Description
15-121	Brush
15-124	Replacement brush insert
15-788	Mounting bracket
15-784	Flat mounting bracket

- · Keeps corrosion under control
- · Durable stainless steel bristles
- Mount next to regular socket for cleaning convenience
- Shop mounted, flush mounted or bracket mounted to vehicle
- · Great for storing and cleaning cables when not in use
- Mounting bracket available, 15-788 and 15-784



CHARGING CLIPS AND TEST CLIPS

	Part No.	Description	Qty.
ſ	7-410	5 amp miniature alligator clip	25

- Nickel-plated steel
- · Full-meshing teeth
- · Jaw opens .19 in.



Charging Clips

Part No.	Description	Qty.
7-412	10 amp center squeeze charging clip	25
7-414	25 amp center squeeze charging clip	25
7-416	50 amp center squeeze charging clip	25

- Screw or crimp connection
- · Full-meshing teeth
- · Zinc-plated steel



7-412

CSA KITS

CSA QWIK-FIX™ Kit





Keep cables off the deck plate!

New regulations deliver harsher penalties to the driver and fleet for electrical and air system failures. Our CSA QWIK-FIX™ KIT keeps standard electrical and air products at your fingertips, so if the situation arises, you'll be prepared!

Part No.	Description
80-850	CSA QWIK-FIX™ KIT

80-850 Contents

Replacement Part No.	Description	Qty.
16-720	STA-DRY® 7-way socket	1
16-730	STA-DRY® WEATHER-TITE™ PERMAPLUG™ 7-way plug	1
4-121	7-way plug and socket brush	1
4-250	QWIK-SHOT™ grease tubes	2
12-010	Universal gladhands	2
12-012-25	Gladhand rubber seals	5
12-95066	3/8" QWIK-FIT™ composite air fittings - union	2
12-95088	1/2" QWIK-FIT™ composite air fittings - union	2
12-90003	Economy nylon air tube cutter	1
17-153	QWIK-SNAP™ 3-hose holder	1
8-43087	7.5" cable ties	100
17-150	2-hose separators	4

DOCUMENT HOLDERS

STA-DRY® Document Holder

Part No.	Description
16-802	STA-DRY® document holder
16-801	STA-DRY® document holder replacement lid*

^{*}Tether not included with replacement lid.

- Waterproof documents remain dry in extreme weather
- · Stainless steel tether prevents misplacement of lid
- Twist-on lens with large grips easy to use with gloves
- Stainless steel hardware keeps documents rust free
- Mounts with most competitive document holders 8 mounting holes
- Large interior for multiple documents



Tube-Document Holder

Part No.	Description
16-803	Aluminum tube document holder with mounting bracket
16-804	Replacement rubber cap*

^{*}Tether not included with replacement cap.

- Features a sturdy, light-weight aluminum tubular body and mounting bracket with cushioned tube support
- UV protected rubber end caps with watertight seal
- Stainless steel tether prevents misplacement of rubber end cap
- Easy to install mounts to any flat surface



LOCKS

Gladhand Lock

Part No.	Description
12-700	Gladhand lock

- · Constructed of corrosion resistant material
- Includes two numbered keys for easy identification
- · Uniquely designed to fit standard, angled or swinger style gladhands
- · Upon request, multiple orders can be keyed alike



TRAFFIC BUILDERS



Air & Electrical Center

Part No.	Description
80-130	Air and electrical center wall assortment

- · Get organized
- Increase gross profit through impulse sales
- Includes top moving items designed to turn at least 6 times per year

Assortment Includes:

- Products
- · Gondola header card
- Re-order stickers
- Floor talkers
- 25 Products pull-through sales flyers
- Detailed planogram





80-130 Contents:*

Replacement Part No. Description		Qty.
11-315	Heavy duty coiled air, 15' pair (red and blue)	5
11-3150	POWER GRIP™, 15' pair (red and blue)	5
11-5150	POLAR AIR® ,15' pair (red and blue)	5
12-006	Gladhand - service, straight mount	25
12-008	Gladhand - emergency, straight mount	
15-042	STOW-A-WAY™, gladhand and plug holder	10
15-720	7-way zinc die-cast socket	25
15-730	7-way zinc die-cast plug	
15-762	7-way zinc die-cast plug with extended barrel socketbreaker	
16-720	STA-DRY® socket, 2-hole, wire insertion	25
16-730	WEATHER-TITE™ PERMAPLUG™	25
22-4621	NON-ABS PERMACOIL™, 15', with zinc die-cast plugs, 1/10 and 6/12 ga.	5
24-4621	NON-ABS PERMACOIL™, 15', with zinc die-cast plugs, 1/12 and 6/14 ga.	5
30-4621	ABS PERMACOIL™, 15', with zinc die-cast plugs, 1/8, 2/10 and 4/12 ga.	5

^{*} Does not come with shelves, fences or gondola

Air Center



Part No.	Description
80-131	Air center wall assortment

- · Get organized
- Increase gross profit through impulse sales
- Includes top moving items designed to turn at least
 6 times per year

Assortment Includes:

- Products
- · Gondola header card
- Re-order stickers
- Floor talkers
- 25 products pull-through sales flyers



80-131 Contents:*		
Replacement Part No.	Description	Qty.
11-312	Heavy duty coiled air, 12' pair (red and blue)	5
11-315	Heavy duty coiled air, 15' pair (red and blue)	5
11-320	Heavy duty coiled air, 20' pair (red and blue)	5
11-340	Heavy duty coiled air, 15' pair (red and blue) with 40" lead	5
11-3150	POWER GRIP™, 15' pair (red and blue)	5
11-5150	POLAR AIR®, 15' pair (red and blue)	5
12-006	Gladhand - service, straight mount	25
12-008	Gladhand - emergency, straight mount	25
12-010	Gladhand - universal, straight mount	25
12-600	Coiled air gladhand grips, pair (red and blue)	12
12-136	Gladhand - service, angle mount	25
12-138	Gladhand - emergency, angle mount	25
12-0100	Gladhand - dummy	25
12-012-25	Gladhand seal - wide lip, polybag	25

^{*} Does not come with shelves, fences or gondola

Deluxe Air & Electrical Center Bucket Display

Part No.	Description
80-110	Deluxe air and electrical display

80-110 Contents: Replacement Part No. Description Qty. 11-315 Heavy duty coiled air, 15' pair (red and blue) 5 11-3150 POWER GRIP™, 15' pair (red and blue) 5 11-5150 5 POLAR AIR®, 15' pair (red and blue) 12-006 Gladhand - service, straight mount 25 12-008 Gladhand - emergency, straight mount 25 15-042 STOW-A-WAY™, gladhand and plug holder 10 25 15-720 7-way zinc die-cast socket 15-730 7-way zinc die-cast plug 25 15-762 7-way zinc die-cast socket with extended barrel socketbreaker 10 16-720 STA-DRY® socket, 2-hole, wire insertion 25 WEATHER-TITE™ PERMAPLUG™ 16-730 25 NON-ABS PERMACOIL™, 15', with zinc 22-4621 5 die-cast plugs, 1/10 and 6/12 ga. NON-ABS PERMACOIL™, 15', with zinc 24-4621 5 die-cast plugs, 1/12 and 6/14 ga. ABS PERMACOIL™, 15', with zinc die-cast plugs, 1/8, 2/10 and 4/12 ga. 30-4621 5 80-106 Bucket rack with 8 buckets 1 80-107 Side attachment set 1



80-110

• Contains 14 of our top-moving gladhands, plugs, sockets, air and electrical assemblies

Bucket sticker set

- · Great as an end and aisle display
- · Easy to assemble and maintain

80-1078

- Dimensions: 79 in. x 33 in. x 13 in.*
- *Approximate measurements are of display rack with header card, excluding buckets and any product.

Air & Electrical Center Bucket Display

Part No.	Description
80-105	Air and electrical display

80-105	Contents:	

60-105 Contents.			
Replacement Part No.		Description	Qty.
12-006	Gladha	and - service, straight mount	25
12-008	Gladha	Gladhand - emergency, straight mount	
15-042	STOW	STOW-A-WAY™, gladhand and plug holder	
15-720	7-way zinc die-cast socket		25
15-730	7-way zinc die-cast plug		25
15-762	7-way zinc die-cast socket with extended barrel socketbreaker		10
16-720	STA-DRY® socket, 2-hole, wire insertion		25
16-730	WEATHER-TITE™ PERMAPLUG™		25
80-106	Bucket rack with 8 buckets		1

Replacement Part No.	Description
80-801	Phillips display bucket

DESIGNED TO TURN MORE **THAN 6 TIMES** PER YEAR!



80-801



STA-DRY® Heat Shrink Display



- Contains the most popular heat shrink connectors
- · Includes:
 - Heat shrink connectors
 - Kits
 - Shrink tubing
 - Stripper/crimper
 - Heat tools
- · Profit builder
- Silent salesman
- Vending machine
- · Dimensions:
 - 25 in. wide
 - 69.5 in. tall
 - 21 in. deep

Part No. Description
80-1850 STA-DRY® heat shrink display

	ı	80-1850	Contents:
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80-1850 Co	intents.				
Replacement Part No.	Description	Qty.			
1-1723	STA-DRY® CRIMP & SEAL™ - butt connector, daisy chain, 12-10 ga., 10 pcs/bag				
1-1724	STA-DRY® CRIMP & SEAL™ - butt connector, daisy chain, 16-14 ga., 10 pcs/bag				
1-1803	STA-DRY® CRIMP, SOLDER & SEAL™ - plastic kit with 45 assorted connectors	1			
1-1861	STA-DRY® CRIMP, SOLDER & SEAL™ - butt connector 12-10 ga., 25 pcs/bag				
1-1861C	STA-DRY® CRIMP, SOLDER & SEAL™ - butt connector 12-10 ga., 5 pcs/clamshell				
1-1862	STA-DRY® CRIMP, SOLDER & SEAL™ - butt connector 16-14 ga., 25 pcs/bag				
1-1862C	STA-DRY® CRIMP, SOLDER & SEAL™ - butt connector 16-14 ga., 5 pcs/clamshell	5			
1-1863	STA-DRY® CRIMP, SOLDER & SEAL™ - butt connector 22-18 ga., 25 pcs/bag	2			
1-1863C	STA-DRY® CRIMP, SOLDER & SEAL™ - butt connector 22-18 ga., 5 pcs/clamshell	5			
1-1903	STA-DRY® CRIMP & SEAL™ - plastic kit with 56 assorted connectors	1			
1-1922	STA-DRY® CRIMP & SEAL™ - ring terminal, 16-14 ga., #8 stud, 25 pcs/bag	2			
1-1923	STA-DRY® CRIMP & SEAL™ - ring terminal, 16-14 ga., #10 stud, 25 pcs/bag	2			
1-1923C	STA-DRY® CRIMP & SEAL™ - ring terminal, 16-14 ga., #10 stud, 5 pcs/clamshell	5			
1-1924	STA-DRY® CRIMP & SEAL™ - ring terminal, 16-14 ga., 1/4" stud, 25 pcs/bag	2			
1-1926	STA-DRY® CRIMP & SEAL™ - ring terminal, 16-14 ga., 3/8" stud, 25 pcs/bag	2			
1-1933	STA-DRY® CRIMP & SEAL™ - ring terminal, 12-10 ga., #10 stud, 25 pcs/bag				
1-1935	STA-DRY® CRIMP & SEAL™ - ring terminal, 12-10 ga., 5/16" stud, 25 pcs/bag	2			
1-1936	STA-DRY® CRIMP & SEAL™ - ring terminal, 12-10 ga., 3/8" stud, 25 pcs/bag	2			
1-1961	STA-DRY® CRIMP & SEAL™ - butt connector, 22-18 ga., 25 pcs/bag	3			
1-1961C	STA-DRY® CRIMP & SEAL™ - butt connector, 22-18 ga., 5 pcs/clamshell	5			
1-1962	STA-DRY® CRIMP & SEAL™ - butt connector, 16-14 ga., 25 pcs/bag	3			
1-1962C	STA-DRY® CRIMP & SEAL™ - butt connector, 16-14 ga., 5 pcs/clamshell				
1-1963	STA-DRY® CRIMP & SEAL™ - butt connector, 12-10 ga., 25 pcs/bag				
1-1963C	STA-DRY® CRIMP & SEAL™ - butt connector, 12-10 ga., 5 pcs/clamshell				
1-1964	STA-DRY® CRIMP & SEAL™ - butt connector, 8 ga., 25 pcs/bag				
1-1971	STA-DRY® CRIMP & SEAL™ - slip-on terminal, fully insulated, 16-14 ga., female 25 pcs/bag				
1-1972	STA-DRY® CRIMP & SEAL™ - slip-on terminal, fully insulated, 16-14 ga., male 25 pcs/bag				
1-2267	STA-DRY® CRIMP & SEAL™ - bullet terminal 16-14 ga., .180, female, blue, 25 pcs/bag				
1-2269	STA-DRY® CRIMP & SEAL™ - bullet terminal 16-14 ga., .180, male, blue, 25 pcs/bag				
1-2269C	STA-DRY® CRIMP & SEAL™ - bullet terminal 16-14 ga., .180, male, blue, 5 pcs/clamshell	5			
4-054	Mini-jet torch, clamshell	3			
4-057	Professional torch, box	1			
4-214	4-214 Shop tool - wire stripping and crimping tool				
6-103C	6-103C STA-DRY [®] dual wall heat shrink tubing - CLEAR-VU™, 22-18 ga., red, 6", 3 pcs/clamshell				
6-105C	STA-DRY® dual wall heat shrink tubing - CLEAR-VU™, 16-14 ga., blue, 6", 3 pcs/clamshell				
6-107C	C STA-DRY® dual wall heat shrink tubing - CLEAR-VU™, 12-10 ga., yellow, 6", 3 pcs/clamshell				
6-206	STA-DRY® heavy dual wall heat shrink tubing - 1-4/0 ga., black, 6", 6 pcs/bag				
6-211C	211C STA-DRY® heavy dual wall heat shrink tubing - 6-2 ga., red, 6", 1 pc/clamshell				
6-212C	STA-DRY® heavy dual wall heat shrink tubing - 6-2 ga., black, 6", 1 pc/clamshell	5			
6-300	STA-DRY® flexible dual wall heat shrink tubing - 16-14 ga., black, 6", 6 pcs/bag	2			
6-301	STA-DRY® flexible dual wall heat shrink tubing - 12-10 ga., black, 6", 6 pcs/bag	2			
6-302	STA-DRY® flexible dual wall heat shrink tubing - 8 ga., black, 6", 6 pcs/bag	2			
6-304	STA-DRY® flexible dual wall heat shrink tubing - 6-2 ga., black, 6", 6 pcs/bag	2			
6-1800	STA-DRY® heat shrink tubing kit - plastic kit with 78 pieces (6"), flexible dual wall, clear & black	1			

Tracker Bar Display

Part No.	Description
80-420	Tracker bar display

80-420 Contents:			
Replacement Part No.	Description	Qty.	
17-148	Kit with single heavy duty spring, 20"	5	
17-420	Kit with dual heavy duty springs, 16"	5	
-	20" tracker bar	1	
-	Header card for easy identification and	1	

- Replacement spring and hardware for tracker bars
- · Kits include snap-on clip, PVC sleeve, spring and our revolutionary QWIK-SNAP™ 3-hose holder

Does not include pegboard





2/0 CLEAR-VU™ Battery Jumper Display

TAKE CARE OF CORROSION BEFORE CORROSION TAKES CARE OF YOU!

Part No.	Description	
80-903	2/0 CLEAR-VU™ battery jumper display in English and French	

80-903 Contents:			
Replacement Part No.		Description	Qty.
9-350	2/0 (0 CLEAR-VU™ clear, 2 lug, 8"	
9-351	2/0 (CLEAR-VU™ translucent smoke, 2 lug, 8"	3
9-352	2/0 (CLEAR-VU™ translucent red, 2 lug, 8"	3
9-360	2/0 (CLEAR-VU™ clear, 3 lug, 17"	3
9-361	2/0 (CLEAR-VU™ translucent smoke, 3 lug, 17"	3
9-362	2/0 (CLEAR-VU™ translucent red, 3 lug, 17"	3
9-370	2/0 (CLEAR-VU™ clear, 4 lug, 26"	3
9-371	2/0 (CLEAR-VU™ translucent smoke, 4 lug, 26"	3
9-372	2/0 (CLEAR-VU™ translucent red, 4 lug, 26"	3
-	Disp	lay poster	1
-	Pegl	board hooks	9

- 9 of the fastest moving Phillips 2/0 battery jumpers
- OEM replacement for standard red and black cables
- Easy to assemble, even easier to sell!
- Free 4-color display poster helps drive impulse sales
- Poster comes double sided with English on one side and French on the reverse side
- Poster has OEM replacement chart for ease of interchangeability between manufacturers

Does not include pegboard



Double sided poster with English and French translation!

STA-DRY® Heat Shrink Connector Shake Jar Display



STA-DRY® Heat Shrink Connector Shake Jar Display WITH Replacement Jars

Part No.	Description
80-1860	Shake jar display - English (includes 21 jars)
80-1860F	Shake jar display - French (includes 21 jars)
80-1860S	Shake jar display - Spanish (includes 21 jars)

STA-DRY® Heat Shrink Connector Shake Jar Display WITHOUT Replacement Jars

Part No.	Description	
80-1861	Shake jar display - English (includes 12 jars)	
80-1861F	Shake jar display - French (includes 12 jars)	
80-1861S	Shake jar display - Spanish (includes 12 jars)	

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Includes Product Sample Board!

- Contains nine of our most popular STA-DRY® heat shrink connectors in easy to sell shake jars!
- Increase profit through impulse sales!
- Comes pre-assembled
- Dimensions are approximately 12 in. x 12 in. x 12 in., the header card is approximately 8 in. x 12 in.
- Also available in Spanish or French
- · Includes product sample board

Contents:				
Part No.	Description		80-1860; 80-1860F; 80-1860S; Contents	80-1861; 80-1861F 80-1861S; Contents
1-1661J		RIMP & SEAL™, CLEAR-VU™ ga., 100 pcs/jar	2	1
1-1662J		RIMP & SEAL™ CLEAR-VU™ ga., 100 pcs/jar	3	2
1-1663J	STA-DRY® CRIMP & SEAL™, CLEAR-VU™ window, 12-10 ga., 60 pcs/jar		2	1
1-1861J	STA-DRY® CRIMP, SOLDER & SEAL™, 12-10 ga., 60 pcs/jar		2	1
1-1862J	STA-DRY® CRIMP, SOLDER & SEAL™, 16-14 ga., 100 pcs/jar		3	2
1-1863J	STA-DRY® CRIMP, SOLDER & SEAL™, 22-18 ga., 100 pcs/jar		2	1
1-1961J	STA-DRY® CRIMP & SEAL™, 22-18 ga., 100 pcs/jar		2	1
1-1962J	STA-DRY® CRIMP & SEAL™, 16-14 ga., 100 pcs/jar		3	2
1-1963J	STA-DRY® CRIMP & SEAL™, 12-10 ga., 60 pcs/jar		2	1
-	PHILLIPS STA-DRY® heat shrink connectors sample board		1	1

QWIK-SNAP™ Display



Part No.	Description
80-153	QWIK-SNAP™ hose holder counter top display

80-153 Contents:

Replacement Part No.	Description	Qty.
17-152	QWIK-SNAP™ 2-hose holder	10
17-153	17-153 QWIK-SNAP™ 3-hose holder	
17-154	QWIK-SNAP™ 4-hose holder	
-	Display header card	
-	Counter rack	

- Contains all three of our QWIK-SNAP™ hose holders
- · Increase gross profit through impulse sales
- Quicker than conventional hose holders change hoses in seconds

Coiled Air Gladhand Extension Display

Part No.	Description
80-600	Coiled air gladhand extension counter top display

80-600 Conte	nts:		
Part No.		Description	
12-600	Coiled air gladhand extension pairs (red and blue)		9
-	Display h	neader card	1
-	Counter	rack	1

80-600

- Provides strong leverage for coupling/uncoupling gladhands
- One-piece body for easy installation
- Durable and strong; made of solid aluminum
- · Corrosion-resistant anodized color coating
- Easy installation installs between air coil and gladhand

Mini-Jet Torch Clip Strips

Part No.	Description
4-055	2 clip strips with 12 blister packs of 4-054

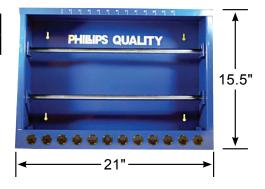
- Contains 12 mini-torches 4-054
- Packaged as 2 clip strips with 6 torches each



Wire Rack

Part No.	Description
80-191	Primary wire rack

- Ideal for the 80-2006 primary wire assortment
- Holds 12 ft. 100 ft. primary wire spools
- · Keeps wire organized and accessible
- Printed 1 ft. ruler for easy measuring
- · Wall mountable or freestanding
- Sturdy rack that is built to last
- 21 in. x 15.5 in. x 5.5 in.



Gladhand Seal Buckets

80-0164 80-0163



80-0161 80-012 80-0162

Part No.	Description		
80-012	Black rubber, 200 count		
80-0161	ue polyurethane, 200 count		
80-0162	Red polyurethane, 200 count		
80-0163	Black polyurethane, 200 count		
80-0164	Blue and red polyurethane, 200 count (100 blue, 100 red)		
80-0167	Grey polyurethane with dust flap, 200 count		

- Great for countertop impulse sales
- Place to "write in" price
- · Barcode on label for scanning
- · Fits all industry standard gladhands
- SILENT SALESMAN FOR THE COUNTER!

QWIK-SHOT™ Grease Tube Bucket



Part No.	Description
80-250	Grease tubes, 6 grams, 200 count bucket

- Perfect for use on plug/socket connection
- · Great for countertop impulse sales
- · Convenient one-use tubes
- · High film strength and exceptional anti-wear properties
- · Creates non-conductive, watertight barrier for electrical connections
- Unlimited applications heavy duty, automotive, marine, agriculture, construction, material handling
- SILENT SALESMAN FOR THE COUNTER!

Foam Socket Seal Bucket



Part No.	Description
80-795	Corrosion prevention gaskets, 200 count bucket

- Keep corrosion out of the electrical system!
- Easy to install in 7-way J560 socket only
- Weather and chemical resistant
- · Great for counter top impulse sales
- SILENT SALESMAN FOR THE COUNTER!

OUR TOP MOVERS IN A NO-HASSLE DISPLAY!

Bulk Merchandisers

Coiled Air

Part No.	Description
11-315G	15', Pair (red and blue)

- · Most popular coiled air sets; packaged for easy sales
- Contains 50 individually bagged sets of 11-315





NON-ABS PERMACOIL™

Part No.	Description	
24-4621G	15', with two zinc die-cast plugs	*

- · Most popular NON-ABS coiled electrical; packaged to move
- Contains 100 individually bagged sets of 24-4621





ABS PERMACOIL™

Part No.	Description		
30-4621G	15', with two zinc die-cast plugs	*	

- · Most popular ABS coiled electrical; guaranteed to increase sales
- Contains 100 individually bagged sets of 30-4621





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

ASSORTMENT TRAYS

Empty Tray



Part No.	Description
80-1901	Tray only

- · Great for creating your own assortment
- 24 compartments

3/8" Assortment Clamp Kit



İ	Part No.	Description
	5-1000	3/8" Assortment clamp kit

• Please see page 119 for complete contents

Flexible Heat Shrink Tubing



Part No.	Description
6-1801	STA-DRY® flexible dual wall shrink tubing assortment

• Please see page 108 for complete contents

2/0 Heavy Duty Crimp Kit



Part No.	Description
9-1004	Heavy duty 2/0 ga. crimp assortment

• Please see page 89 for complete contents

1-1616	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
1-1617	1-1616	94	1-1903	99, 182	1-1972	98, 99, 182	1-53505	103
1-1623	1-1617	94					1-53514	103
1-1624								
1-1626			1-1918	97				
1-1633	1-1624	95	1-1919	97, 99				
1-1634	1-1020 1-1633	95 95					1-54104	102
1-1636							1-54114	102 104
1-1661							1-54224	102, 104
1-1661-100.	1-1661	94	1-1923	. 97, 99, 182	1-1983	99	1-54234	102
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