

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*

Locking tab inside lid provides solid plug-to-socket connection*

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)



- 360° cable compression for a solid cable grip
- Extended housing allows for easy repair**

- Large finger grips for easy coupling/uncoupling**
- UNBREAKABLE, non-corrosive housing
- Floating brass pins for secure installation in misaligned sockets**
- WEATHER-TITE™ SEAL



* Standard on all Philips sockets
** Standard on all Philips plugs

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 misconnection
- 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 misaligned 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 misaligned 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



LIGHT DUTY PLUGS

STA-DRY® 6 & 4-Way THERMOSEALED™ Plugs

6-Way 6/16 ga.	
Part No.	Description
19-6102	THERMOSEALED™ plug with 2' (24") blunt cut straight cable NEW
19-6104	THERMOSEALED™ plug with 4' (48") blunt cut straight cable NEW

4-Way 4/16 ga.	
Part No.	Description
19-4102	THERMOSEALED™ plug with 2' (24") blunt cut straight cable NEW
19-4104	THERMOSEALED™ plug with 4' (48") blunt cut straight cable NEW

- Plugs are molded for moisture and corrosion resistance
- Flexible from -87°F to 150°F (-66°C to 66°C)
- Heavy duty jacketing for long life



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

6 & 4-Way Connectors



7-WAY BLADE PLUG

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

7-WAY J560 TYPE CONNECTORS FOR LIGHT DUTY APPLICATIONS

STA-DRY® WEATHER-TITE™ PERMAPLUG™



5-750

Part No.	Description
26-2100-048	7-way WEATHER-TITE™ PERMAPLUG™ with 4' (48") blunt cut cable
26-2100-060	7-way WEATHER-TITE™ PERMAPLUG™ with 5' (60") blunt cut cable
26-2100-072	7-way WEATHER-TITE™ PERMAPLUG™ with 6' (72") blunt cut cable

- Connects a light duty trailer to a vehicle with a J560 style socket*
- The WEATHER-TITE™ seal blocks all contaminants from entering the electrical system, creating a complete seal
- Large finger grips for coupling/uncoupling
- Floating brass pins for secure installation in misaligned sockets
- Unbreakable non-corrosive housing
- Flexible from -85°F to 175°F (-65°C to 115°C)
- 5-750 replacement rubber seal

*Important Note: A J560 type socket or plug, normally used for commercial vehicles, can be wired for light duty applications as an alternative connector. However, commercial tractor/trailer J560 connections and light duty applications using the same J560 plug/socket type connectors should never be coupled together. Commercial and light duty applications each have different wire color code configurations for their electrical system. If coupled together, lights will not function properly.

4-WAY FLAT CONNECTORS

STA-DRY® 4-Way Molded Flat Connectors



15-421-024



15-426-024

Vehicle Side	
Part No.	Description
15-421-024	Molded 4-way flat connector, three female pins and one male pin, with 2' (24") cable NEW
15-421-048	Molded 4-way flat connector, three female pins and one male pin, with 4' (48") cable NEW

Trailer Side	
Part No.	Description
15-426-024	Molded 4-way flat connector, three male pins and one female pin, with 2' (24") cable NEW
15-426-048	Molded 4-way flat connector, three male pins and one female pin, with 4' (48") cable NEW

- Common connection for light duty towing - pickups, SUVs, small trailers
- Universal pin size and configuration
- Vehicle side has completely overmolded plug
- 14 ga. wires enclosed in jacketing for corrosion protection
- Flexible from -40°F to 150°F (-40°C to 66°C)
- 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

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
- For best fit use solder slug 7-261 (4 ga.)
- Mates with 15-326 socket

Dual Pole



Chassis Ground System

Part No.	Description
15-335	Single pole plug

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

Single Pole



Chassis Ground System

Part No.	Description
15-800	Black socket
15-801	Red socket
15-805	Black plug
15-806	Red plug

- Ideal for dump truck applications
- Breakaway plug/socket
- 10 ga. to 6 ga.
- 50 amp

Single Conductor Breakaway



VERTICAL DUAL POLE AUXILIARY PLUGS

Vertical Dual Pole Auxiliary Plugs

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

- For auxiliary applications utilizing a trailer battery pack
- Pins are offset allowing for initial ground contact, preventing the potential for arcing
- Provides separate power and ground connections
- For best fit use solder slug 7-261 (4 ga.) or 7-260 (6 ga.)
- 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 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
- 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 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

QCS2® Harness

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

Replacement Socket	
Part No.	Description
16-724	2-hole, bullet termination, recommended for use with Phillips QCS2®

- 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

**QCS® Harness**

QCS® (Quick-Change Socket)	
Part No.	Description
16-7401	Straight back, 48" blunt-cut cable, includes socket
16-7421	6 o'clock, 48" blunt-cut cable, includes socket

Replacement Socket	
Part No.	Description
16-726	2-hole, bullet with locking clip 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.	Description
16-826	2-hole, bullet termination with locking clip, female ground pin, recommended for Phillips ISO 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, eliminating 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

LIGHT DUTY 6 & 4-WAY ROUND SOCKETS

STA-DRY® 6 & 4-Way Molded Sockets



16-400



16-600

4-Way 4/14 ga.	
Part No.	Description
16-400	4-way molded socket with 2' (24") blunt cut straight cable, split pin NEW

6-Way 6/14 ga.	
Part No.	Description
16-600	6-way molded socket with 2' (24") blunt cut straight cable, split pin NEW

- Sockets are molded for moisture and corrosion resistance
- Elongated holes for mounting adaptability
- Stainless steel hinge pin and spring for long life
- Full opening lid
- Flexible from -87°F to 150°F (-66°C to 66°C)
- Heavy duty cable jacketing for long life

6 & 4-Way Zinc Die-Cast Sockets

6-Way	
Part No.	Description
15-600	6-way, wire insertion, split pin

4-Way	
Part No.	Description
15-400	4-way, wire insertion, split pin

- 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

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

7-Way Blade Socket



7-Way Blade Socket with Blunt Cut Cables

2/10, 1/12 & 4/14 ga.	
Part No.	Description
26-2305-024	7-way blade socket, with socket boot, with 2' (24") blunt cut cable NEW
26-2305-048	7-way blade socket, with socket boot, with 4' (48") blunt cut cable NEW

- Light duty truck and RV connections
- Non-corrosive housing for long life
- Brass terminations for superior conductivity
- Heavy duty cable jacketing for long life
- Flexible from -85°F to 150°F (-65°C to 66°C)



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

CHARGE-BOX™



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

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

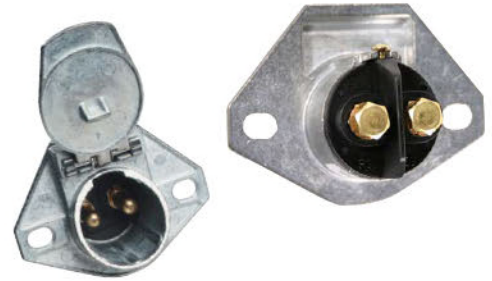
16-9328 Includes:

- 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

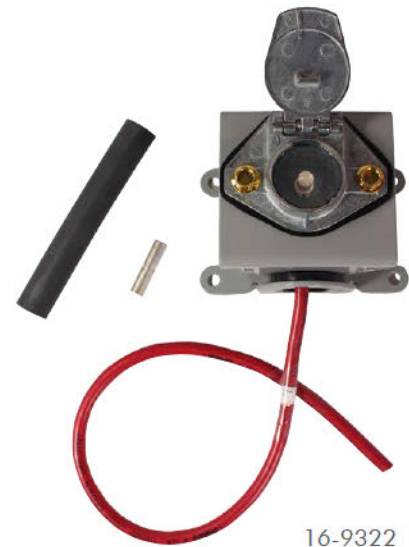
Part No.	Description
15-326	Dual pole socket

- 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

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



Dual Pole QCS2® Quick-Change Socket



Dual Pole QCS2®	
Part No.	Description
16-2423	6 o'clock angled position, 48" blunt-cut cable, 4 ga., includes dual pole QCS2® socket
16-2423	6 o'clock angled position, 48" blunt-cut cable, 4 ga., includes dual pole QCS2® socket

Replacement Socket	
Part No.	Description
16-324	2-hole mount, offset solid brass pins, bullet termination, recommended for use with Phillips dual pole QCS2®

Dual Pole QCS2® Socket

- Quick and easy plug-in bulleted termination, no re-wiring
- Offset pins to prevent arcing
- Stainless steel hinge pin and spring for long life
- Elongated mounting holes for easy mounting
- Non-corrosive housing resists moisture, magnesium chloride, salt, oil, grease, and fuels
- Extended front barrel for additional cable support and slanted 5° for moisture drain
- Non-corrosive unbreakable lid for long life and durability

Dual Pole QCS2® Boot

- Flexible boot flange bends easily for quick installation through small openings. Flange also grips socket for superior protection
- Sealed inner cavity prevents contaminants from passing to liftgate harness
- Completely molded boot connection creates a waterproof seal
- Cable jacketing has excellent abrasion resistance and resists magnesium and calcium chloride and other chemicals

AUXILIARY VERTICAL DUAL POLE SOCKET

Auxiliary Vertical Dual Pole Socket

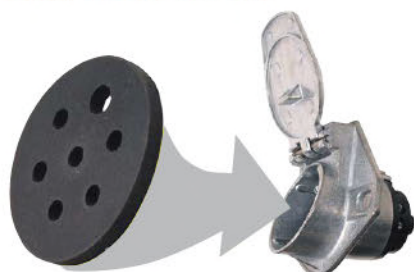


Part No.	Description
15-328	Vertical dual pole socket

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

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

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

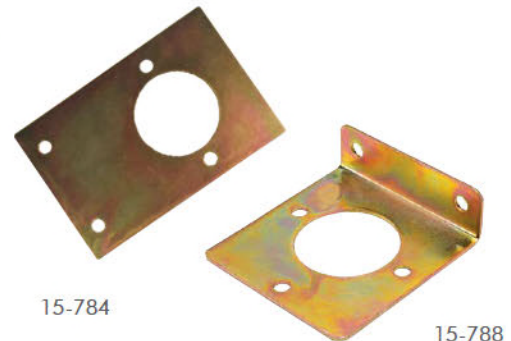
- Replaceable closed cell sponge gaskets for sockets



15-798

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



15-784

15-788

STA-DRY® TRAILER WIRE MANAGEMENT



STA-DRY® S7™



QCS2®
16-724

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

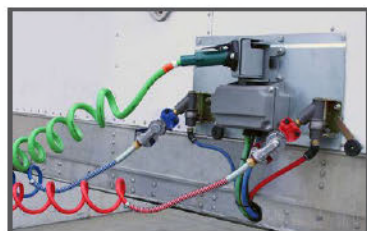


Top 20 Products of 2013!

Part No.	Description
16-9500	Swivel socket without junction box
16-9510	Nosebox without circuit breakers
16-9520	Nosebox with 20 amp circuit breakers
16-9530	Nosebox with 30 amp circuit breakers
16-9515	Replacement lid for STA-DRY® S7™
16-9526PL	Replacement lid for STA-DRY® S7™ with PERMALOGIC™

- 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 available
- 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.

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™ 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.

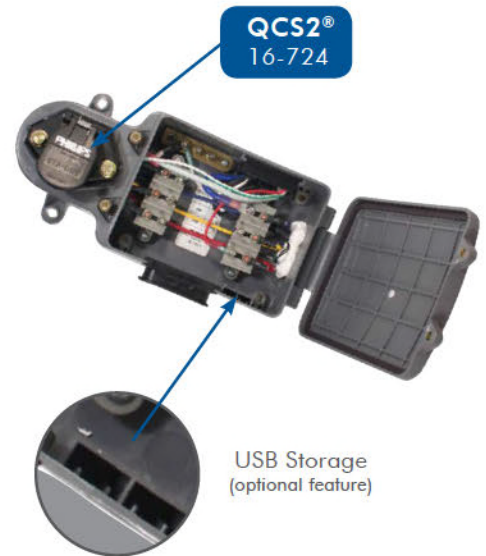
**i-BOX™**

Part No.	Description
16-7800	Without circuit breakers
16-7801	With 15 amp circuit breakers
16-7802	With 20 amp circuit breakers
16-7803	With 30 amp circuit breakers
16-7810	Without circuit breakers, with PERMALOGIC™
16-7811	With 15 amp circuit breakers and PERMALOGIC™
16-7812	With 20 amp circuit breakers and PERMALOGIC™
16-7812TC	With 20 amp circuit breakers and PERMALOGIC™ TC
16-7813	With 30 amp circuit breakers and PERMALOGIC™
16-7820	Without circuit breakers, with 1 USB memory slot
16-7821	With 15 amp circuit breakers and 1 USB memory slot
16-7822	With 20 amp circuit breakers and 1 USB memory slot
16-7823	With 30 amp circuit breakers and 1 USB memory slot
16-7830	Without circuit breakers, with PERMALOGIC™ and 1 USB memory slot
16-7831	With 15 amp circuit breakers, PERMALOGIC™ and 1 USB memory slot
16-7832	With 20 amp circuit breakers, PERMALOGIC™ and 1 USB memory slot
16-7833	With 30 amp circuit breakers, PERMALOGIC™ and 1 USB memory slot
16-780	i-BOX™ replacement lid repair kit - lid, hinge pin, (2) bolts, and gasket seal

- Features our award-winning QCS2® (Quick-Change Socket), for fast and easy socket replacement
- Over 2/3 more working room than traditional noseboxes
- 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
- 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:

- 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

**PERMALOGIC™ and PERMALOGIC™ TC**

(optional feature)



Dome lamps are on



Liftgate battery is charging (16-7812TC only)



Normal conditions/ Trailer dome lamps are off



Overloaded circuit

Constant - low voltage
Flashing - low voltage shut-off

QBOX™



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

- 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 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.	Description
16-8000	VOLT-BOX™ 7-way nosebox, without circuit breakers, split pin
16-80002	VOLT-BOX™ 7-way nosebox, without circuit breakers, solid pin

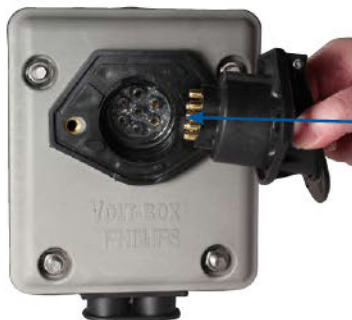
STA-DRY® housing is resistant to impact, chemicals and harsh environments

Keeps wires organized



STA-DRY® QCS2® for fast and easy socket replacement!

- Compact design fits tight space constraints
- STA-DRY® housing is resistant to impact, chemicals and harsh environments
- Features the industry standard QCS2® made with high impact composite material with interchangeable mounting holes
- Available with split or solid pin
- Can be used for retrofit and features the standard 7-way trailer mounting bolt pattern
- Offers more interior room than the competition for easier wire maintenance
- Measurements: 6.5 in. high x 5.8 in. wide x 3.02 in. deep and QCS2® J560 socket protrudes 1.5 in. from housing
- Stainless steel mounting carriage bolts for ultimate corrosion resistance
- Available with PERMALOGIC™



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



16-7890
and
16-7891



16-7840
and
16-7842

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

7-Way Socketbreakers



Quick-change circuit breakers

- Allows up to 5 ground circuits

Without Nosebox	
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-DRY® 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 with 28 Pin Rear



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

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	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)

ISO Socketbreakers



Quick-change circuit breakers

Part No.	Description
16-860	Without circuit breakers, solid pins with female ground pin
16-861	With 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

STA-DRY® ZINC DIE-CAST SOCKETBREAKERS

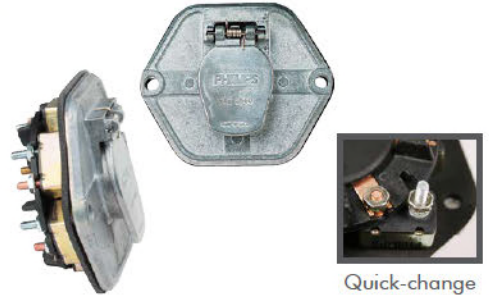
- Meets SAE J560 specifications
- Stainless steel hinge pin and spring
- Full-opening lid
- STA-DRY® feature seals to prevent moisture and contaminants from entering the harness system
- Raised interior ribs for moisture exit
- Includes neoprene closed cell sponge mounting gaskets
- Quick-change circuit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



7-Way Low Profile

Part No.	Description
15-750	Without circuit breakers, split pin
15-751	With 15 amp circuit breakers, split pin
15-752	With 20 amp circuit breakers, split pin
15-753	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



Quick-change circuit breakers

7-Way Extended Barrel

Part No.	Description
15-760	Without circuit breakers, split pin
15-7602	Without 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



Quick-change circuit breakers

7-Way Socketbreaker with Nosebox

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

Nosebox - 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



- 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

NOSEBOXES, ACCESSORIES, & FUSES

STA-DRY® Nosebox



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



15-765



15-766



15-767

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

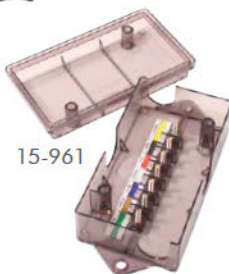
- 30 amp in-line fuse holder for ATO/ATC fuses
- Includes water resistant cap
- 12 ga. wire is 5 1/2 in. long
- Includes 30 amp fuse

JUNCTION BOXES

Junction Box



15-960



15-961

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



15-860

15-861

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

