



TARPING SYSTEMS & ACCESSORIES

P/N 1124109 Rev. C

INSTALLATION INSTRUCTIONS

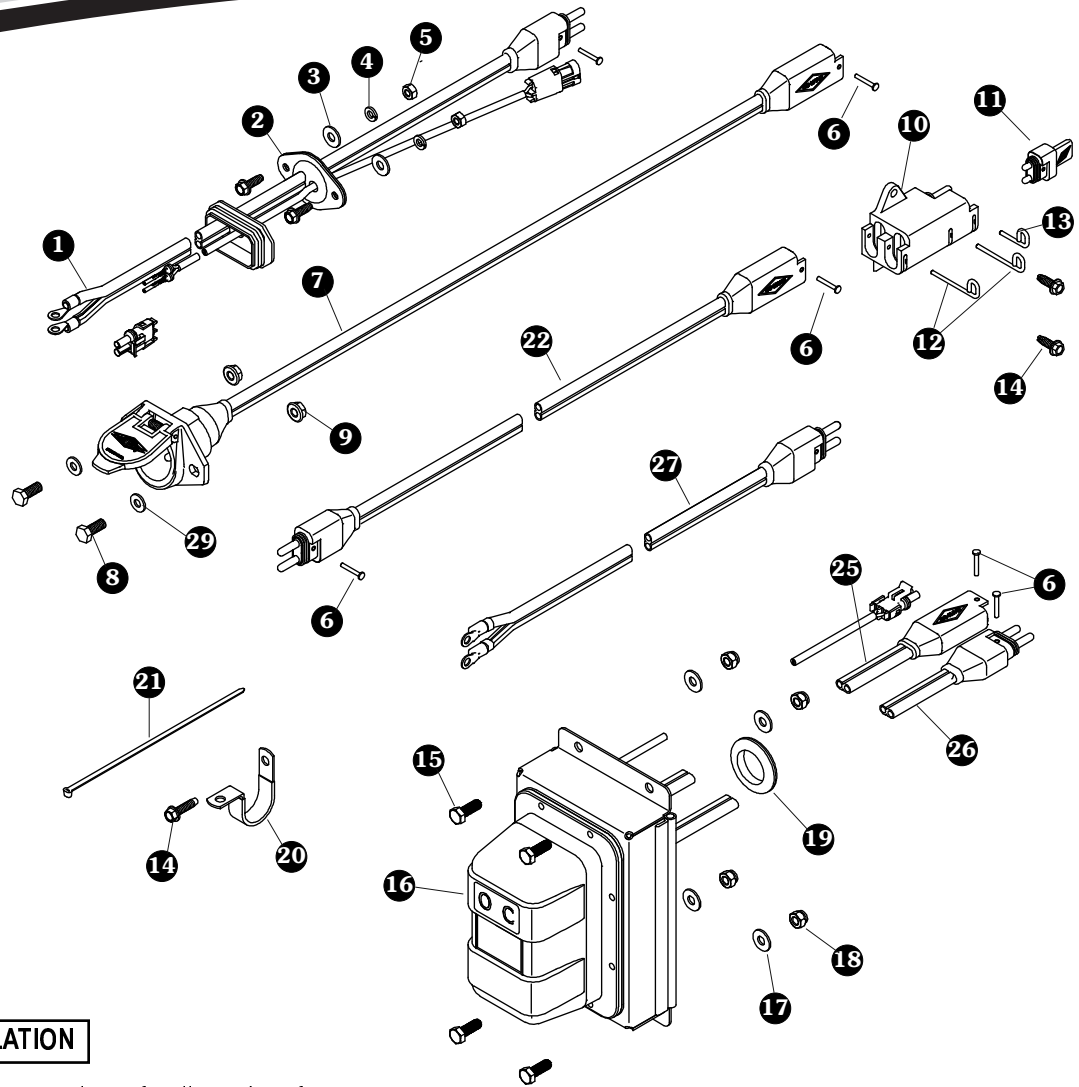


Wiring 4500 Series & Three AutoTraps

READ BEFORE INSTALLING

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SMARTWIRE™ INSTALLATION

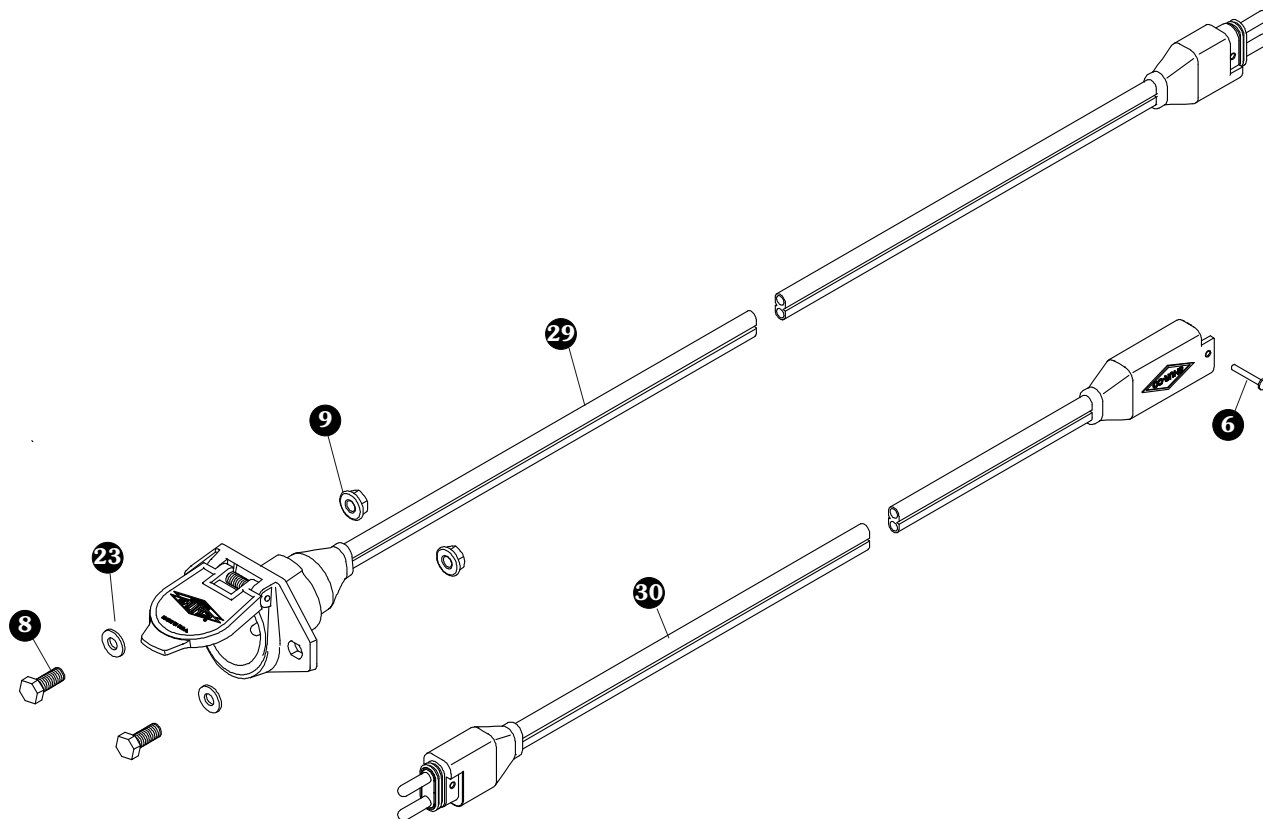
This instruction sheet covers a variety of trailers, therefore locations for SMARTwire™ components shown here may need to vary slightly on your trailer. Mounting locations are critical because wire lengths cannot be altered. Mounting SMARTwire™ components as close as possible to locations shown will not only ensure quick and easy installation but also facilitate SMARTwire™ upgrades.

Item Part # Description

1.		SMARTwire™ - 6 Ga. - Plug - 9' 9" w/Encoder Wire
2.	1700403	Self-Tapping Screw - 1/4" x 3/4"
3.	1700427	Flat Washer - 1/4"
4.	1700436	Lock Washer - 1/4"
5.	1700408	Hex Nut - 1/4"
6.	1704751	Harness Lock Pin - 1/4" x 7/8"
7.	1120670	SMARTwire™ Dual-Conductor Socket
8.	1701045	Cap Screw - 5/16" x 3/4"
9.	1704946	Flanged Top Lock Nut - 5/16"
10.	1704695	Harness Junction Block - Black Rubber
11.	1704717	Wire Harness Rubber Plug - Black
12.	1704696	Harness Lock Pin - Long

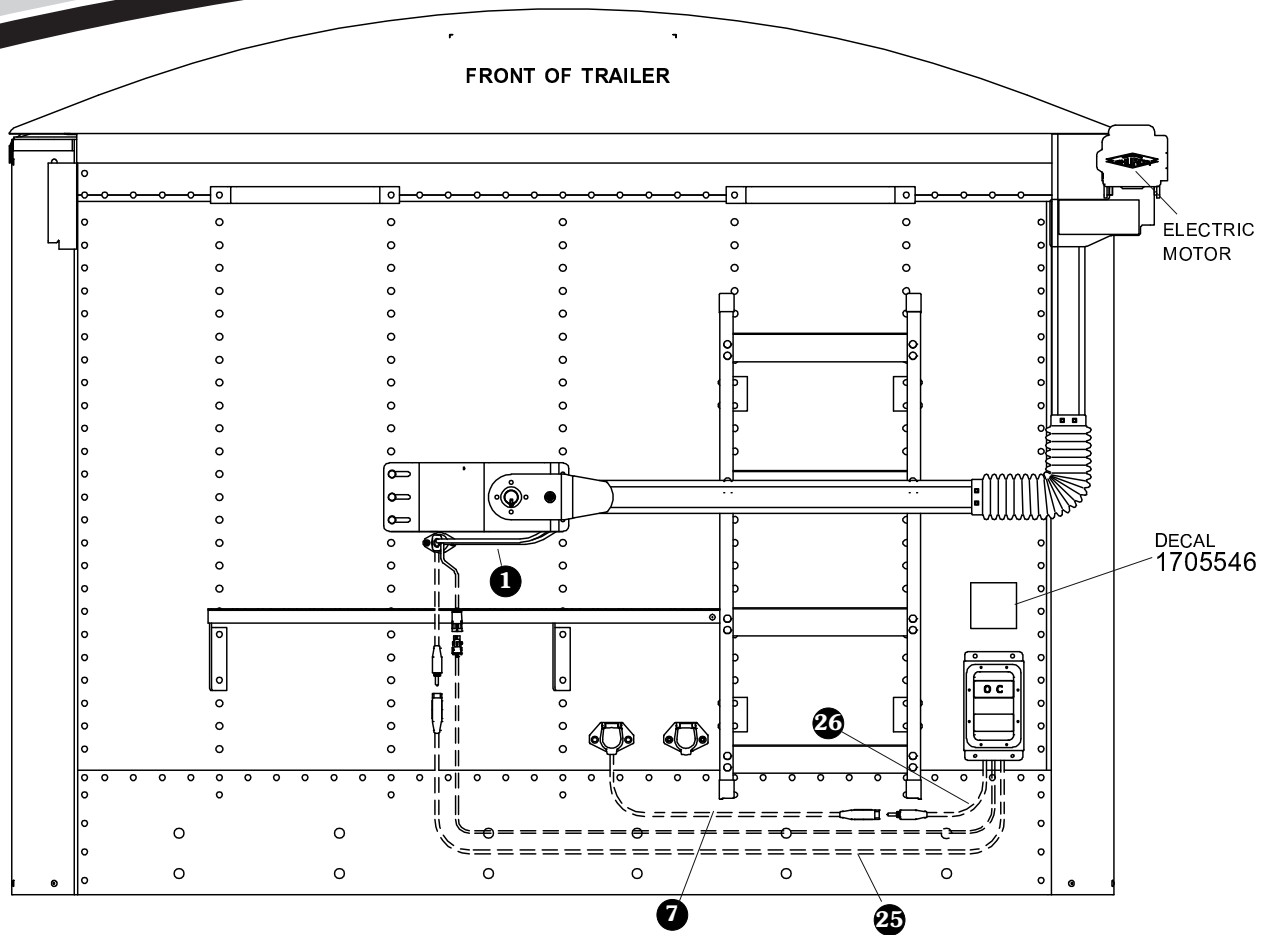
Item Part # Description

13.	1704711	Harness Lock Pin - Short
14.	1704338	Self-Tapping Screw - 1/4" x 1"
15.	1702926	Cap Screw - 5/16" x 7/8"
16.		Shur-Co® Wireless Receiver - SMARTwire™
17.	1700428	Flat Washer - 5/16"
18.	1700419	Lock Nut - 5/16"
19.	1202938	Rubber Grommet - 1 1/2" Insert
20.	1702108	Wire Clip - 3/4"
21.	1703231	Cable Tie - 8"
22.	1704888	SMARTwire™ - 4 Ga. x 25' - Plug/Socket
25.	1120817	SMARTwire™ - 6 Ga. x 6' 3" - Socket
26.	1704705	SMARTwire™ - 6 Ga. x 2' 4" - Plug
27.	1704716	SMARTwire™ - 6 Ga. x 10' - Plug/Ring Terminals
29.	1700427	Flat Washer - 1/4"



**LEAD TRAILER WIRING PARTS FOR SUPPLYING
POWER TO REAR/PUP TRAILERS**

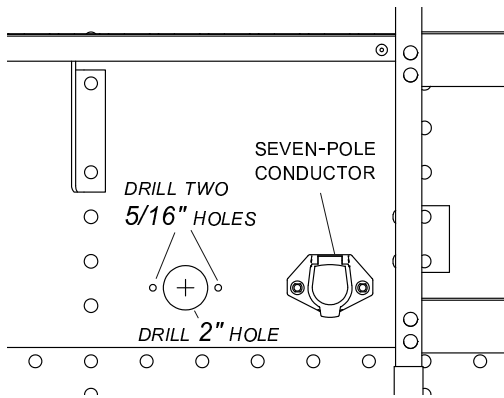
<u>Item</u>	<u>Part #</u>	<u>Description</u>
6.	1704751	Harness Lock Pin - 1/4" x 7/8"
8.	1701045	Cap Screw - 5/16" x 3/4"
9.	1704946	Flanged Top Lock Nut - 5/16"
23.	1700427	Flat Washer - 1/4"
29.	1122541	SMARTwire™ - 4 Ga. x 22' - Dual-Conductor Socket
	1122542	SMARTwire™ - 4 Ga. x 32' - Dual-Conductor Socket
	1122543	SMARTwire™ - 4 Ga. x 40' - Dual-Conductor Socket
30.	1704888	SMARTwire™ - 4 Ga. x 25' - Plug/Socket



NOTE: Wire lengths are predetermined. Before installing SMARTwire™ components, review and confirm wire routing so wires reach components with ample room for connection.

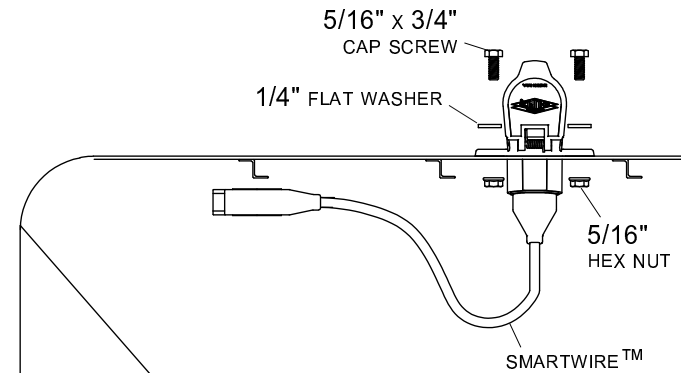
DUAL-POLE CONDUCTOR SOCKET INSTALLATION

STEP 1: Locate dual-pole conductor socket near seven-pole conductor socket as shown. Determine location and drill 2" hole through trailer skin.



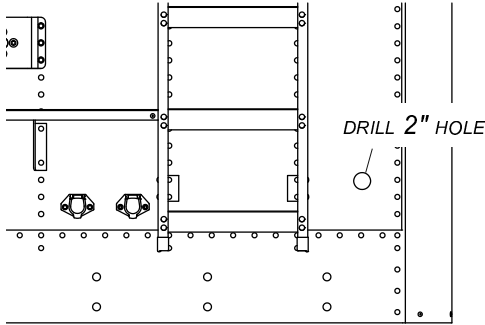
STEP 2: Align socket over 2" hole. Using holes in flanges on socket as guide, mark and drill two 5/16" holes.

STEP 3: Fasten conductor socket to trailer with 5/16" x 3/4" cap screws, flat washers and nuts.

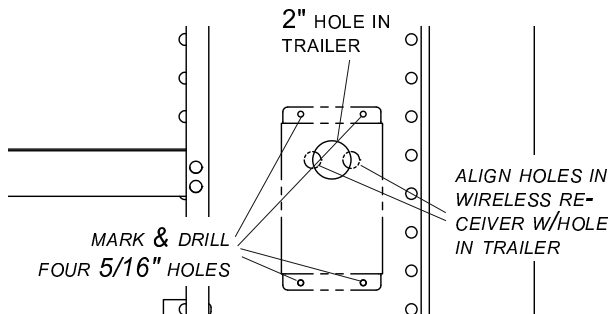


SHUR-CO® WIRELESS RECEIVER INSTALLATION

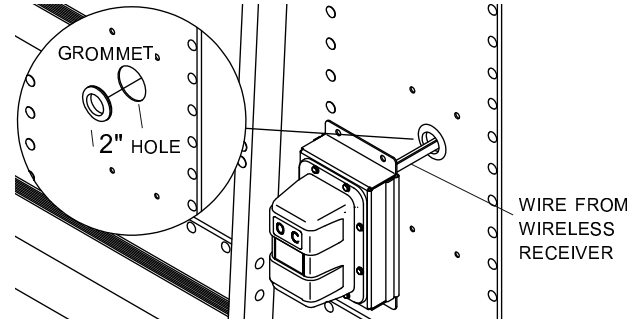
STEP 1: In order to clear travel area of front arm, locate Shur-Co® wireless receiver as low as possible on front of trailer. Determine location and drill 2" hole through trailer skin.



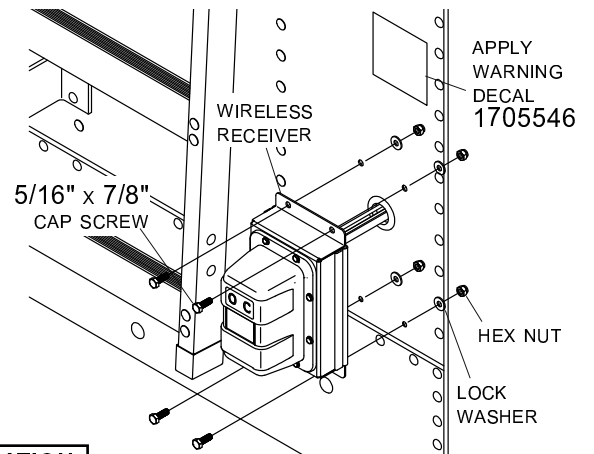
STEP 2: Align holes in wireless receiver over 2" hole in trailer as shown below. Using holes on flanges on receiver as guide, mark and drill four 5/16" holes as shown.



STEP 3: Install grommet into 2" hole. Insert wire from wireless receiver through grommet.

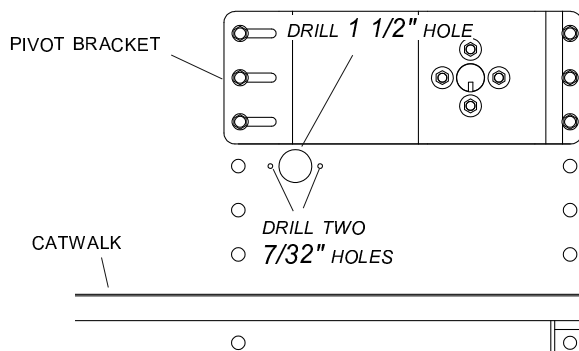


STEP 4: Align holes on wireless receiver with holes on trailer. Fasten receiver to trailer with 5/16" x 7/8" cap screws, lock washers and nuts. Adhere warning decal P/N 1705546 above receiver in location shown.



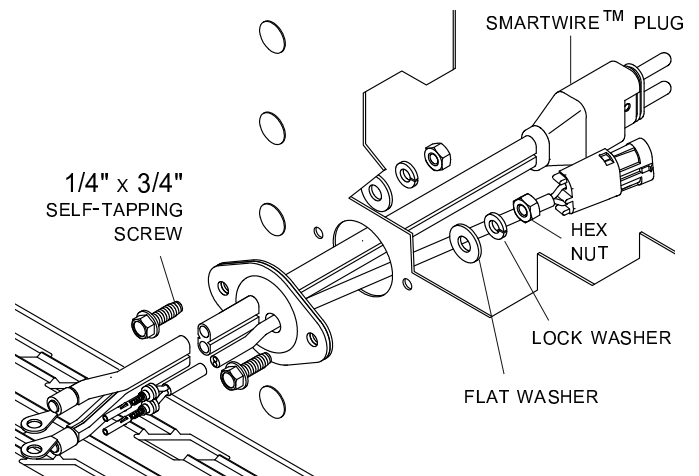
ADAPTER PLUG INSTALLATION

STEP 1: Measure 11" horizontally from center line of trailer and 1" down from lower edge of pivot bracket. Mark and drill 1 1/2" hole through trailer skin.



STEP 2: Align adapter plug with 1 1/2" hole. Using plug as guide, mark and drill two 7/32" holes as shown.

STEP 3: Fasten adapter plug to front of trailer with 1/4" x 3/4" cap screws, lock washers and nuts.



NOTE: Coat each connection with dielectric grease (P/N 1704378) to prevent corrosion.

CAUTION
Do not fasten SMARTwire™ components to trailer through hopper walls.

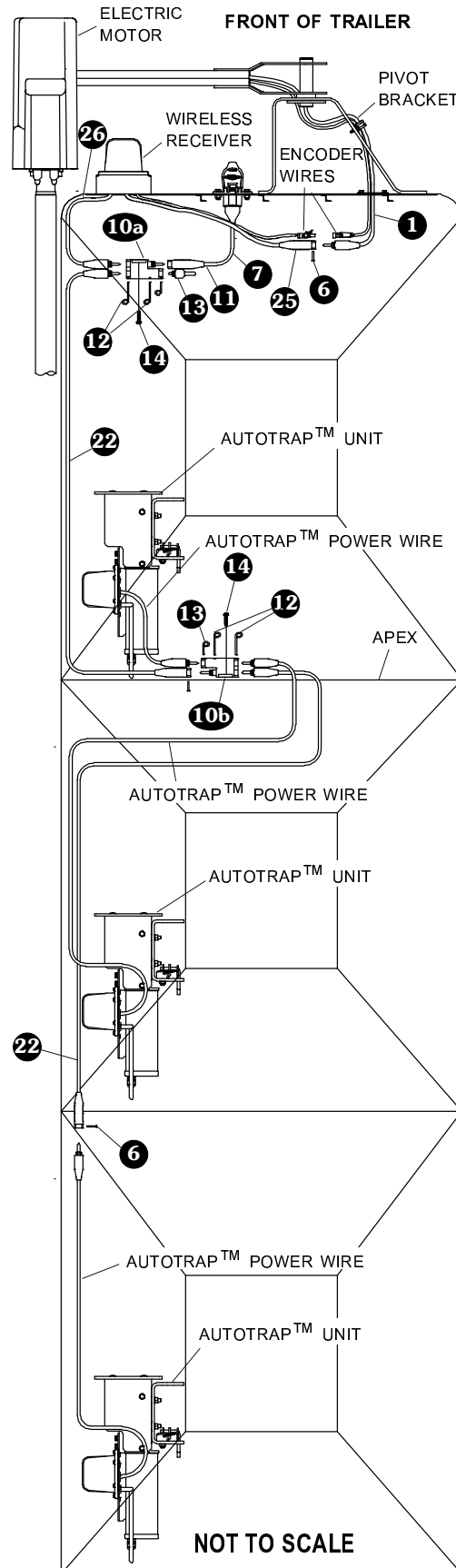
FRONT OF TRAILER

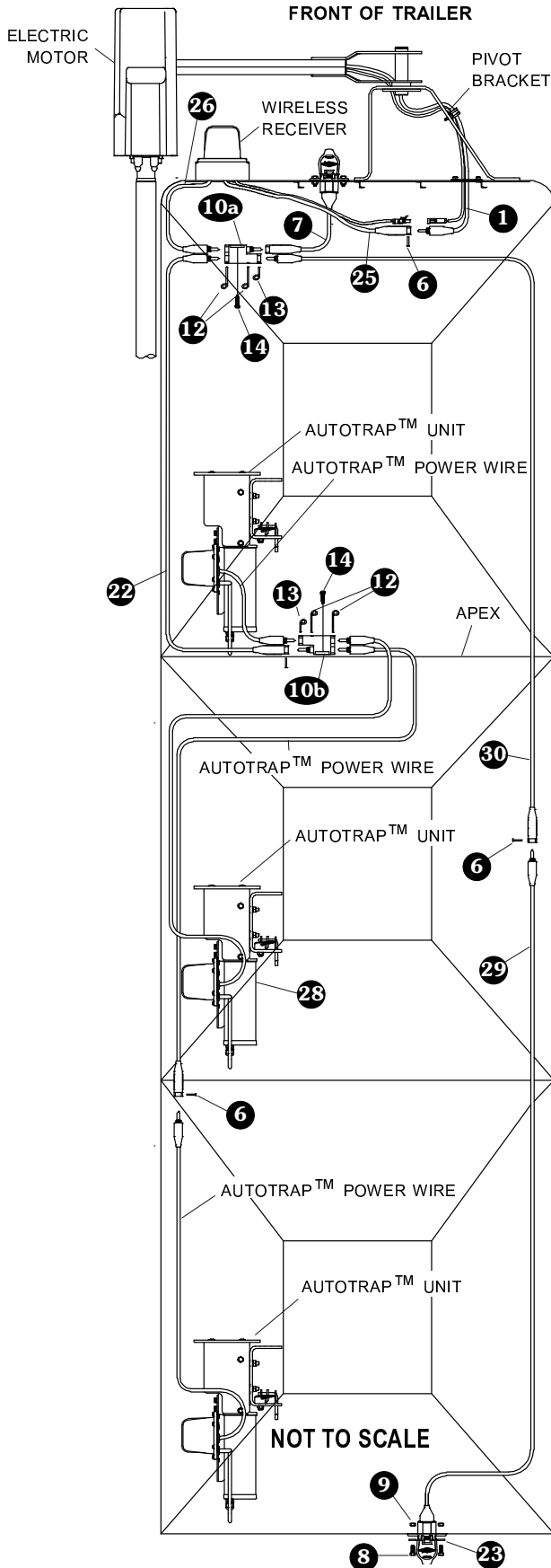
- STEP 1:** Route SMARTwire™ 25 from wireless receiver to adapter plug 1. Connect wire to adapter plug and secure with lock pin 6. Connect encoder wire ends.
- STEP 2:** To determine location of front junction block, route SMARTwires 7 and 25 to location where wires reach. Mount junction block 10a at this location. Using holes in junction block as guide, mark and drill two 7/32" holes.
- STEP 3:** Fasten junction block 10a to trailer with screws 14.
- STEP 4:** Connect SMARTwires 7, 22 and 26 to junction block 10a. Insert plug 11 into remaining socket. Secure connections with lock pins 12 and 13.
- STEP 5:** Route SMARTwire™ 22 from front to apex of trailer.

APEX OF TRAILER

- STEP 6:** To determine location for junction block 10b, route SMARTwires 22 and AutoTrap™ power wires to location on apex of trailer where wires reach. Position junction block 10b at this location. Using holes in junction block as guide, mark and drill two 7/32" holes.
- STEP 7:** Fasten junction block 10b to trailer with screws 14.
- STEP 8:** Connect SMARTwires 22 and AutoTrap™ power wires to junction block 10b at apex of trailer. Secure all connections with lock pins 12 and 13.
- STEP 9:** Route SMARTwire™ 23 toward rear of trailer and connect to AutoTrap™ power wire for rear AutoTrap™. Secure with lock pin 6.
- STEP 10:** Secure all wires to trailer with cable clips 20 and screws 14. If needed, use cable ties 21.

NOTE: For lead/pup trailer configurations, continue on next page.





NOTE: Coat each connection with dielectric grease (P/N 1704378) to prevent corrosion.

⚠ CAUTION
Do not fasten SMARTwire™ components to trailer through hopper walls.

FRONT OF TRAILER

STEP 1: Follow wiring instructions on previous page.

STEP 2: Route SMARTwire™ **30** towards rear of trailer and plug into junction block **10a**. Secure with lock pin **13**.

REAR OF TRAILER

STEP 3: To determine location for conductor socket **29** on rear of trailer, route SMARTwire™ **30** and SMARTwire™ from conductor socket **29** to location near middle of trailer where wires reach. Mount conductor socket at this location.

STEP 4: Follow steps 1 to 3 on page 3 to install conductor socket **29**.

MIDDLE OF TRAILER

STEP 5: Connect SMARTwires **30** and **29**. Secure with lock pin **6**.

STEP 6: Secure all wires to trailer with cable clips **20** and screws **14**. If needed, use cable ties **21**.

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