SHUR-CO, LLC

TARPING SYSTEMS & ACCESSORIES

P/N 1124112 Rev. C

INSTALLATION INSTRUCTIONS

SHUR-CO® LLC

Wiring - Add On 4500 Series to Electric Trap Openers

READ BEFORE INSTALLING

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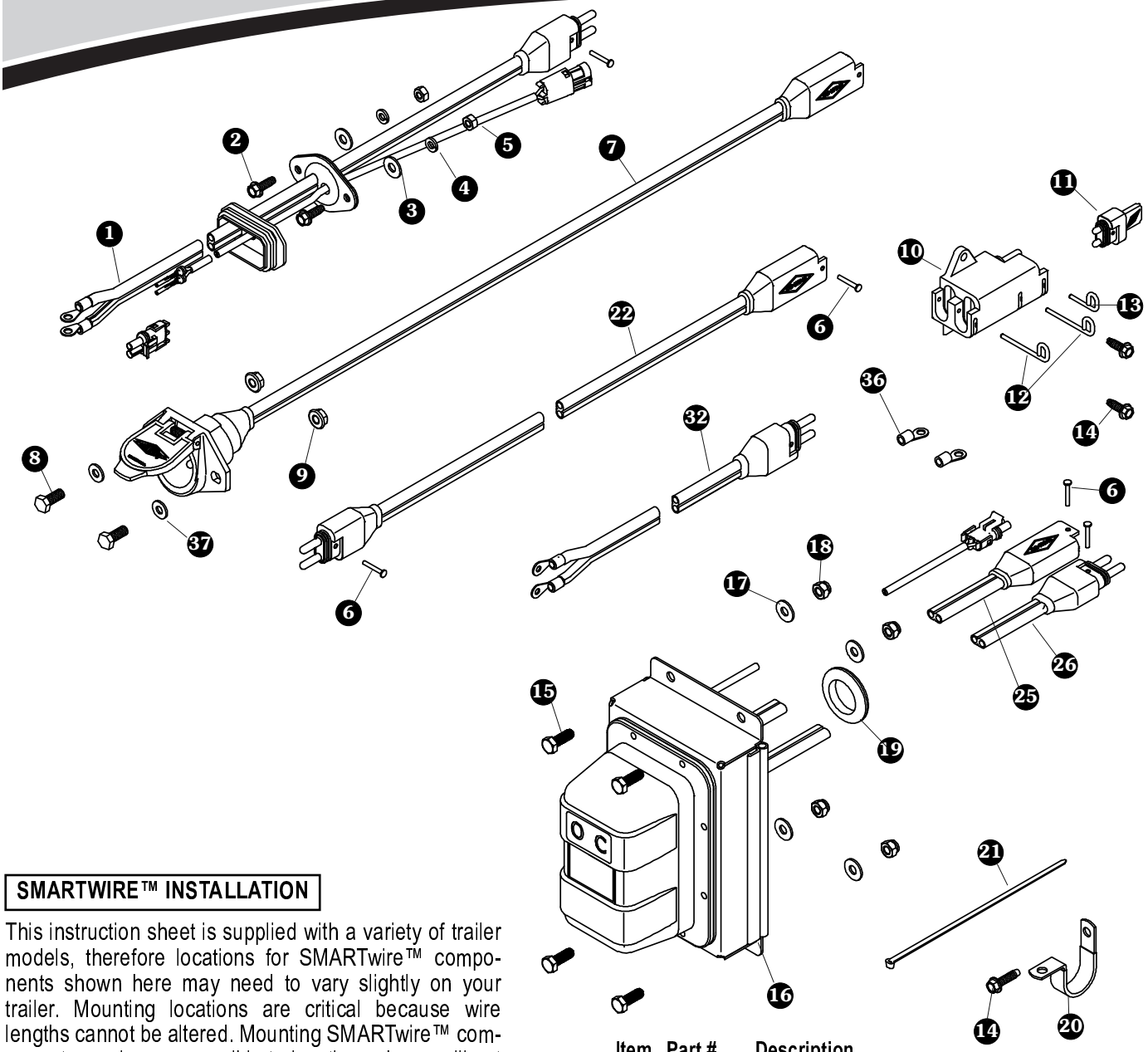
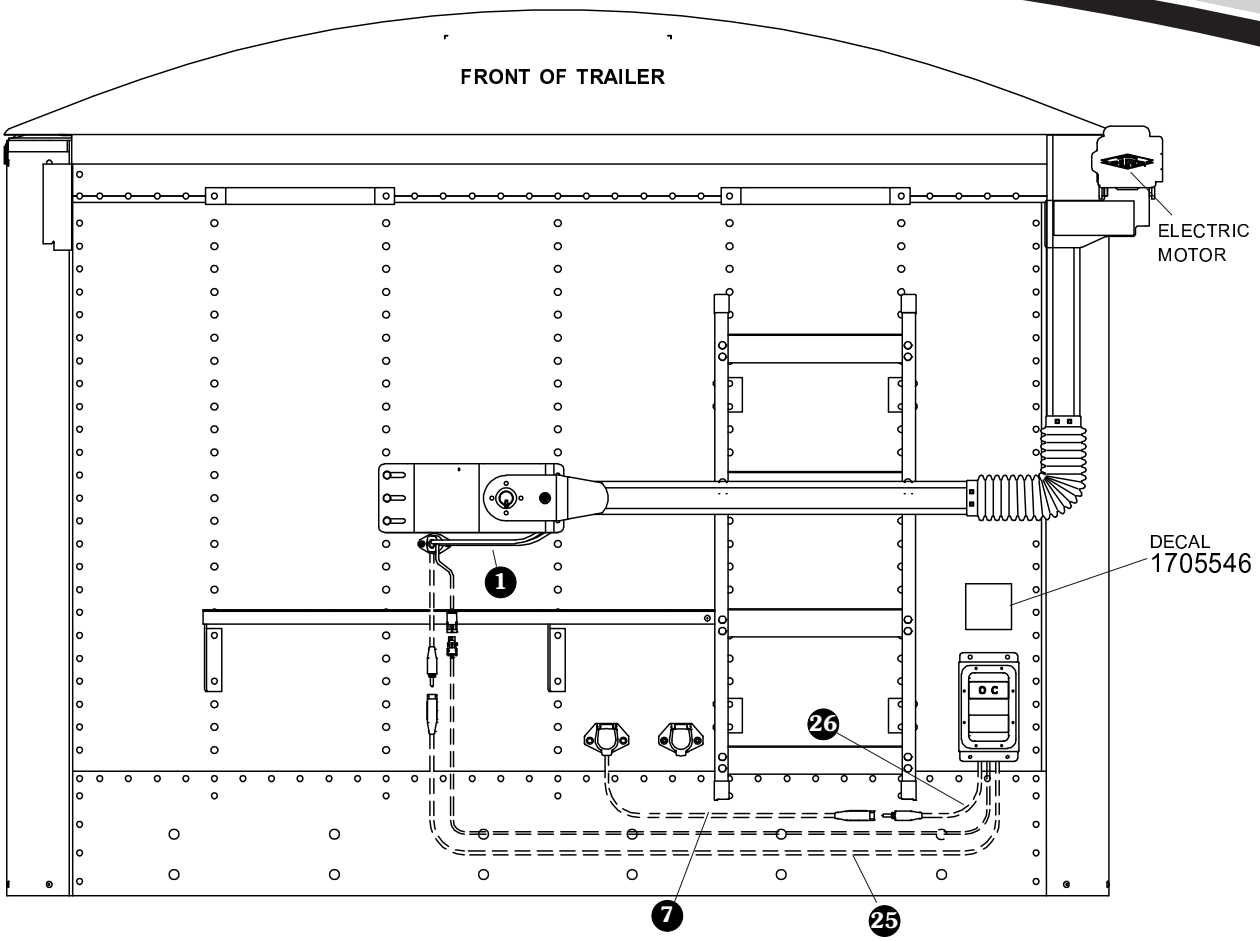


SMARTWIRE™ INSTALLATION

This instruction sheet is supplied with a variety of trailer models, 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
11.	1704717	Wire Harness Rubber Plug
12.	1704696	Harness Lock Pin - Long
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.	1704704	SMARTwire™ - 6 Ga. x 25' - Plug/Socket
25.		SMARTwire™ - 6 Ga. x 6' 3" - Socket
26.		SMARTwire™ - 6 Ga. x 2' 4" - Plug
32.		SMARTwire™ - 6 Ga. - Plug/Ring Terminals
36.	1702707	Ring Terminal - 6 Ga. x 1/4" Stud
37.	1700427	Flat Washer - 1/4"

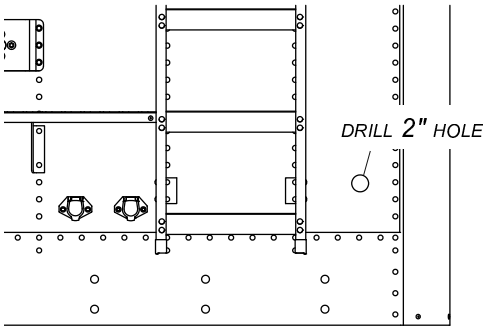
4500 Series SMARTwire™ Component Locations



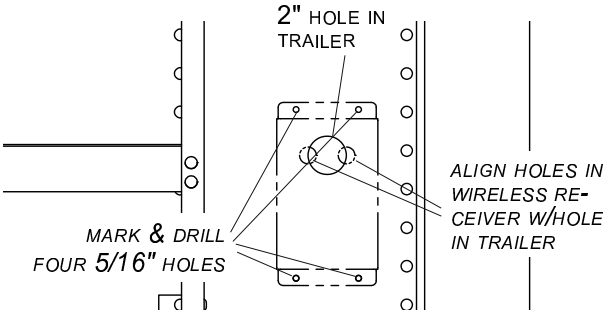
NOTE: *Wire lengths are predetermined. Before installing SMARTwire™ components, review and confirm wire routing so wires reach components with ample room for connection.*

SHUR-CO® WIRELESS RECEIVER INSTALLATION

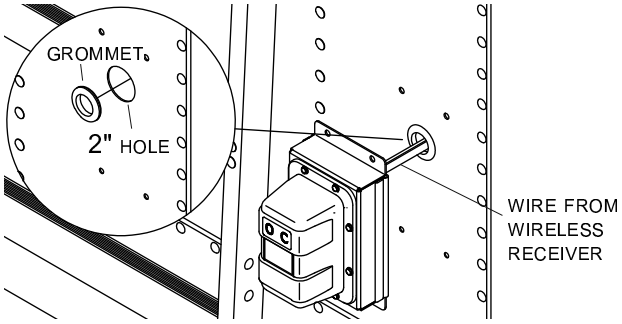
STEP 1: In order to clear travel area of front arm, locate Shur-Co® wireless receiver as low as possible on front of trailer. Determine location and drill 2" hole through trailer skin.



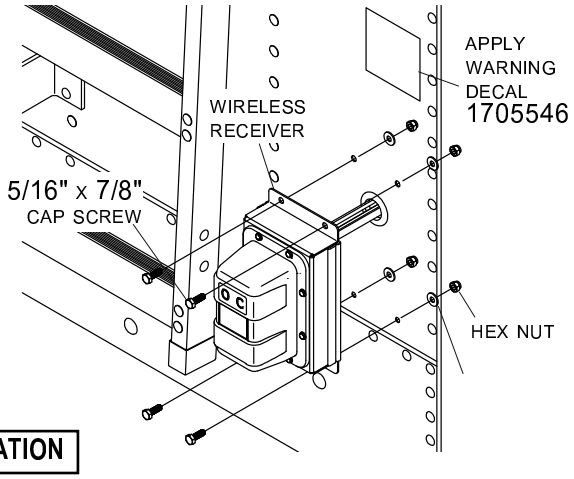
STEP 2: Align holes in wireless receiver over 2" hole in trailer as shown below. Using holes on flanges on receiver as guide, mark and drill four 5/16" holes as shown.



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

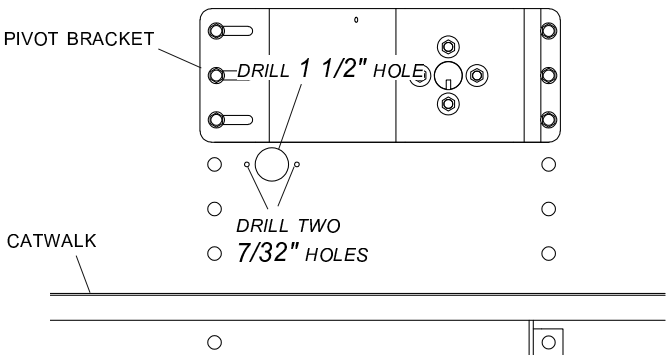


STEP 4: Align holes on wireless receiver with holes on trailer. Fasten receiver to trailer with 5/16" x 7/8" cap screws, lock washers and nuts. Adhere warning decal P/N 1705546 above receiver in location shown.



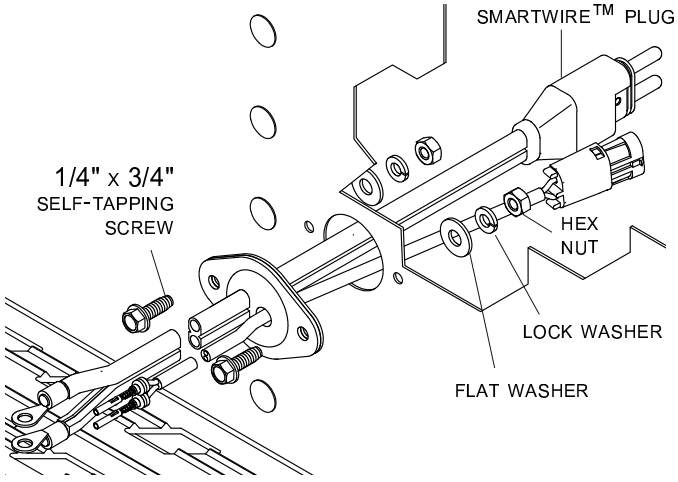
ADAPTER PLUG INSTALLATION

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.

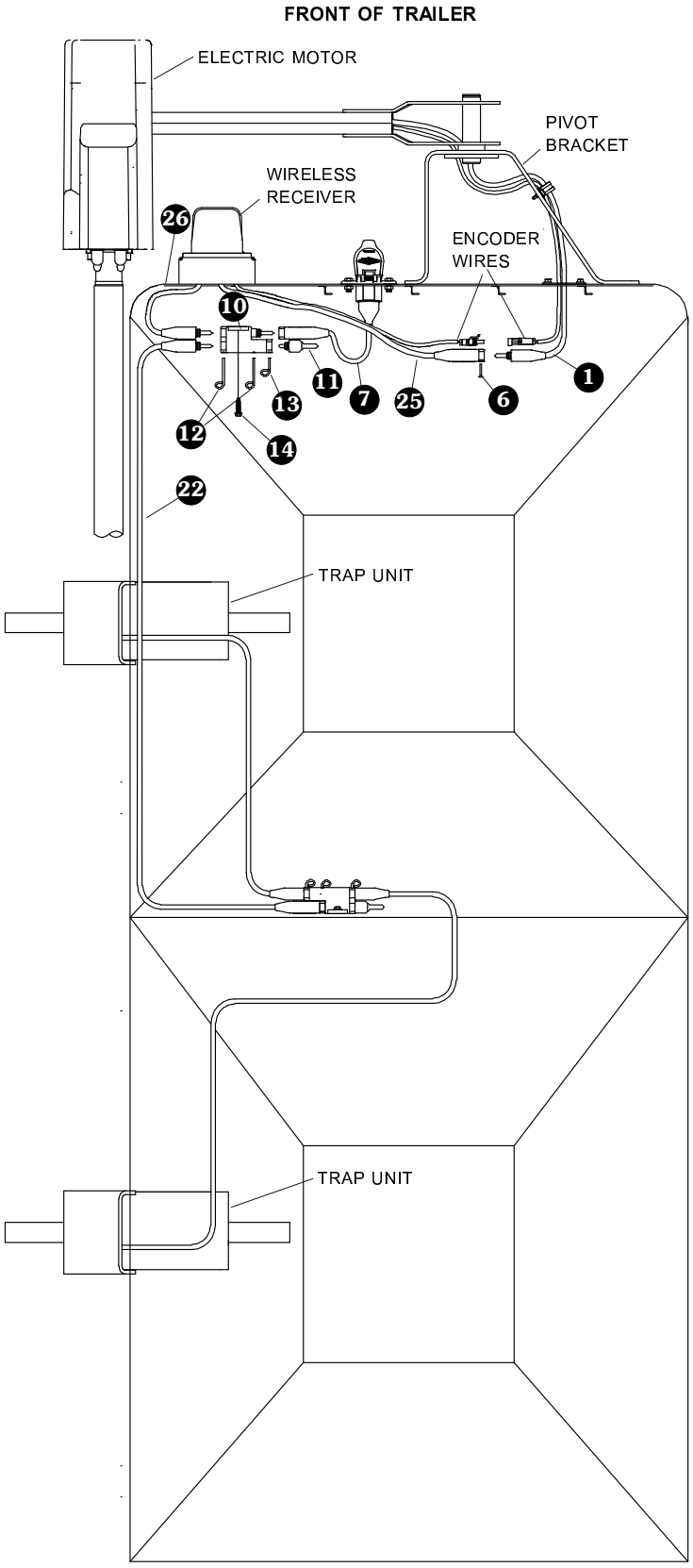


STEP 2: Align adapter plug with 1 1/2" hole. Using plug as guide, mark and drill two 7/32" holes as shown.

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



Wiring Schematic - Add On 4500 Series to Electric Trap Openers



NOT TO SCALE

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: Remove lock pin ⓭, unplug SMARTwire™ ❼ from SMARTwire™ ㉒.

STEP 2: Plug SMARTwires ❼, ㉒ and ㉖ into junction block ❿. Fasten junction block ❿ to trailer with screw ⓮. Replace lock pins ⓬, ⓭ and ⓮ into junction block.

STEP 3: Plug SMARTwire™ ㉕ into SMARTwire™ ❶ and secure with lock pin ❻. Connect encoder wire ends.

STEP 4: Secure wires to trailer with cable ties ㉑.

NOTE: *Traps can be mounted on either side of trialer.*

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