



ENGINEERED TARPING SOLUTIONS

P/N 1120297 Rev. A

INSTALLATION INSTRUCTIONS



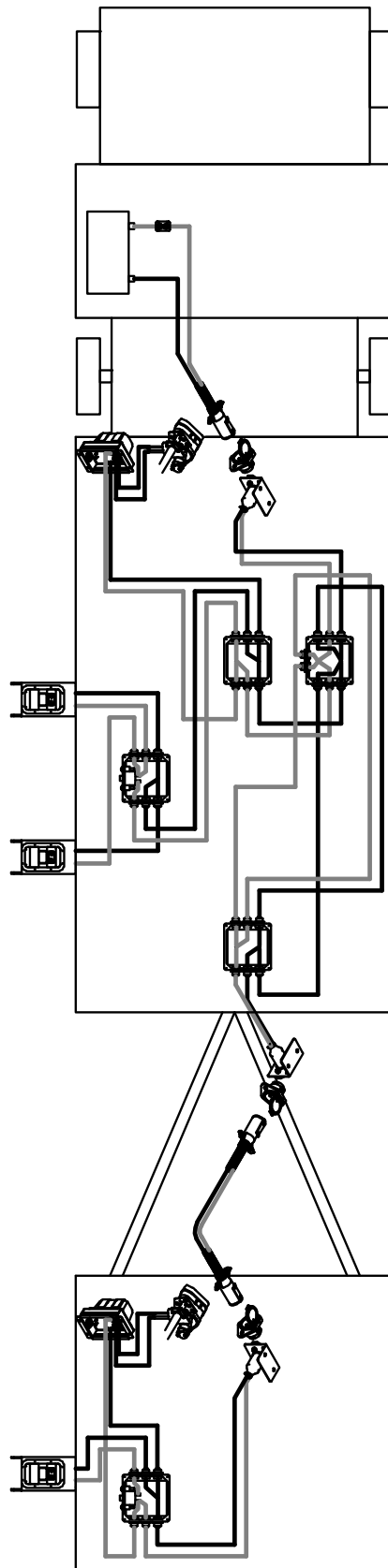
3500 Series & ProTrap[®] Wiring Lead & Pup Trailer

READ BEFORE INSTALLING

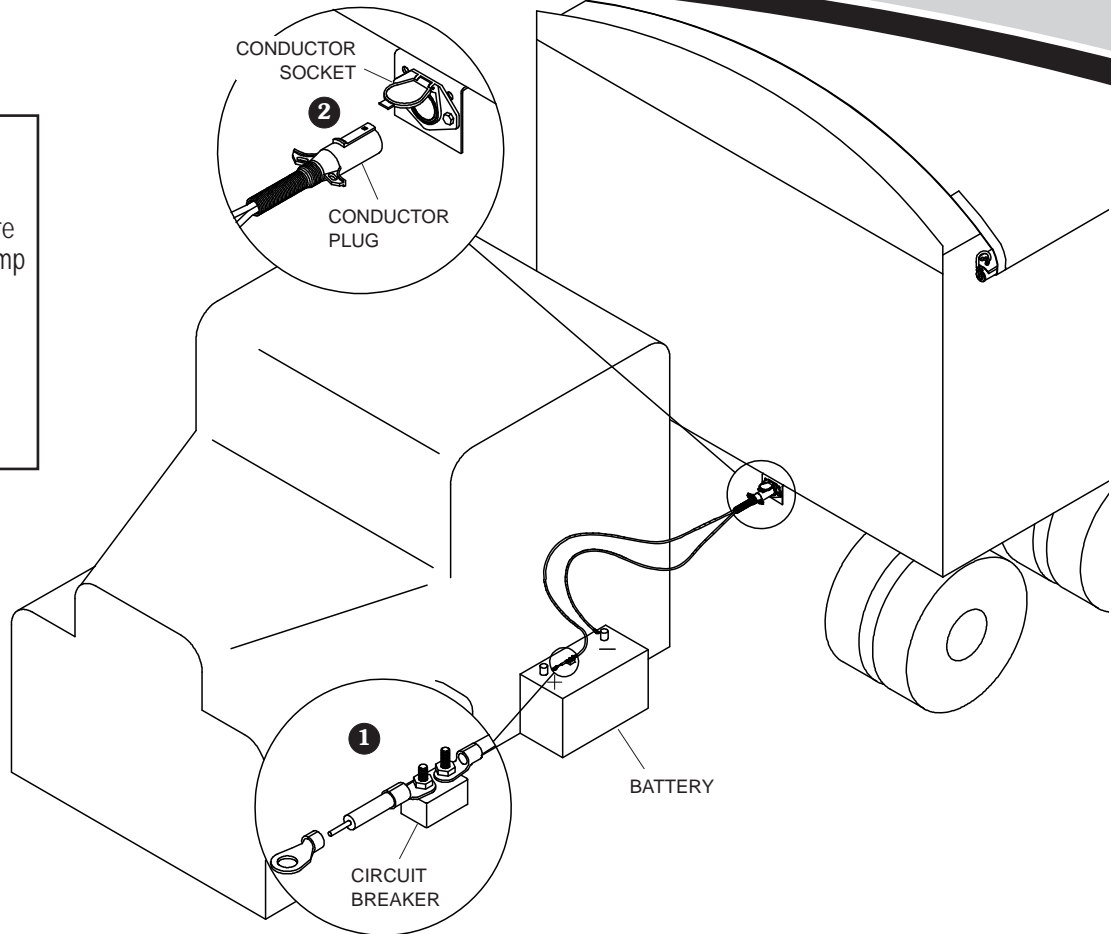
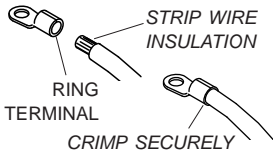
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GO TO
CENTERFOLD
TO SEE LARGER,
DETAILED VIEW OF
WIRING DIAGRAM

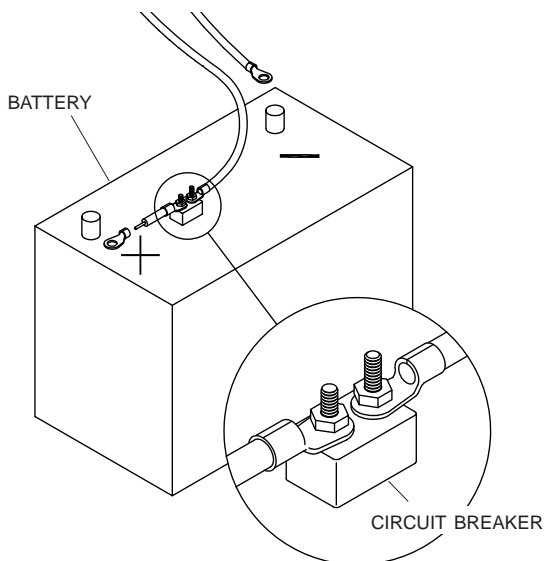


Cut wires to length and strip only enough wire insulation to install ring terminals. Insert bare wire into ring terminals and crimp securely.



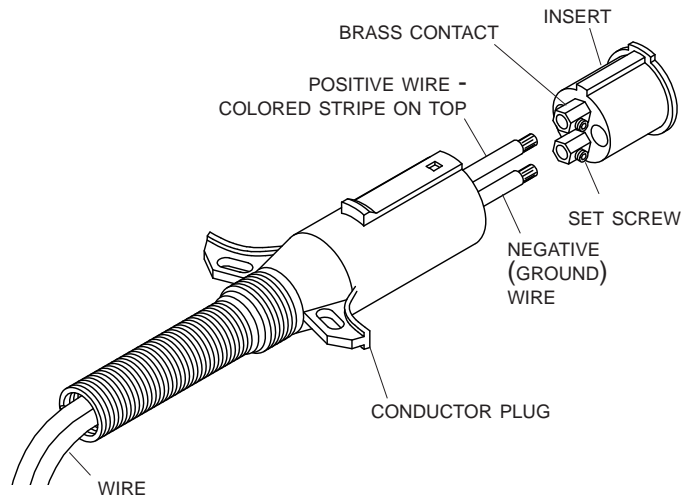
CIRCUIT BREAKER TO BATTERY

STEP 1: Mount circuit breaker as close as possible to battery or power supply.

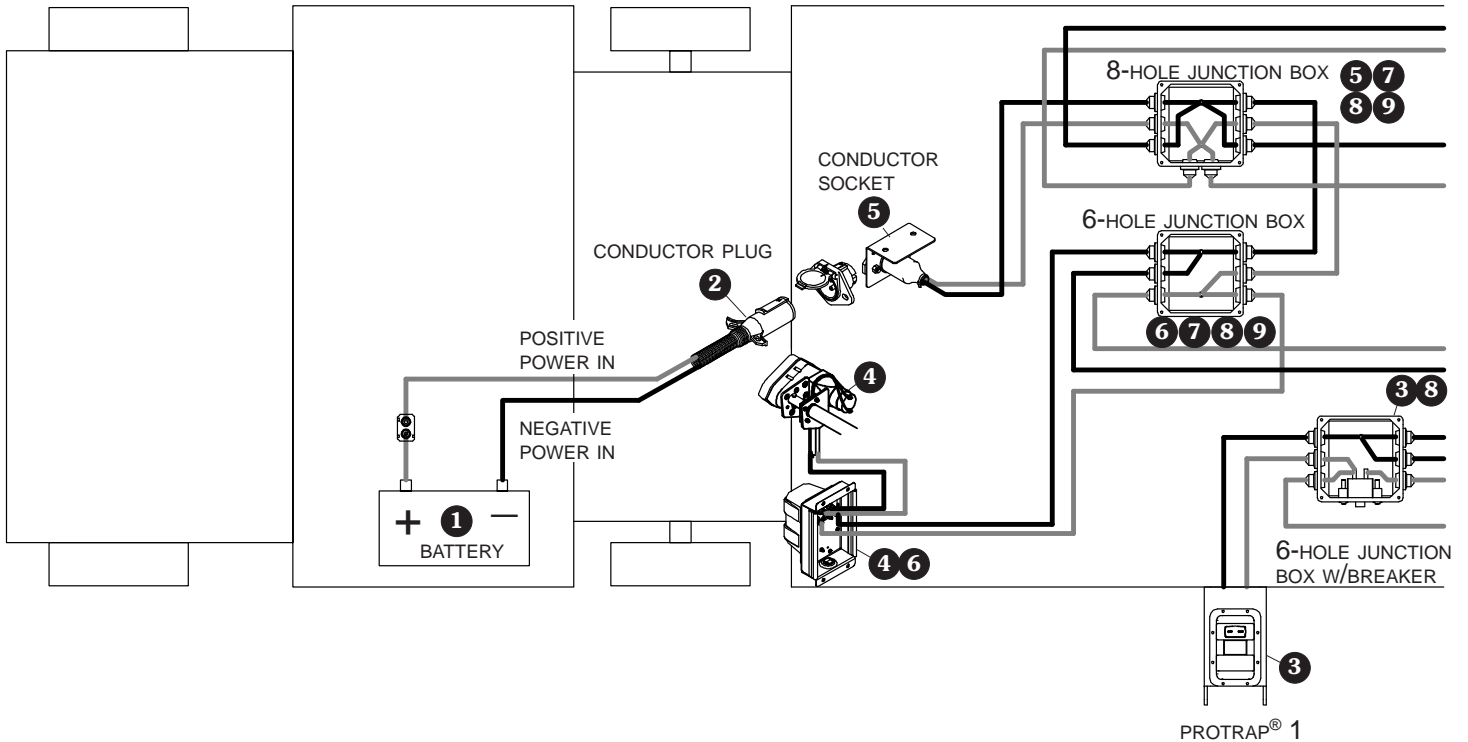


CONDUCTOR PLUG

STEP 2: Unfasten and remove insert from conductor plug. Feed 6 ga. wire from battery or power supply through plug. Align positive wire with colored stripe on top and connect wire into brass contacts on insert. Tighten set screws to secure wires. Replace insert into conductor plug and secure screw.

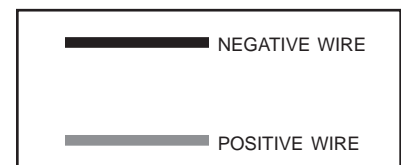


WIRING DIAGRAM

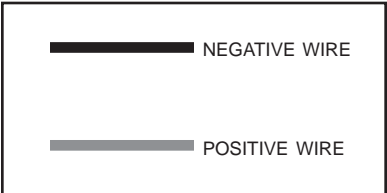
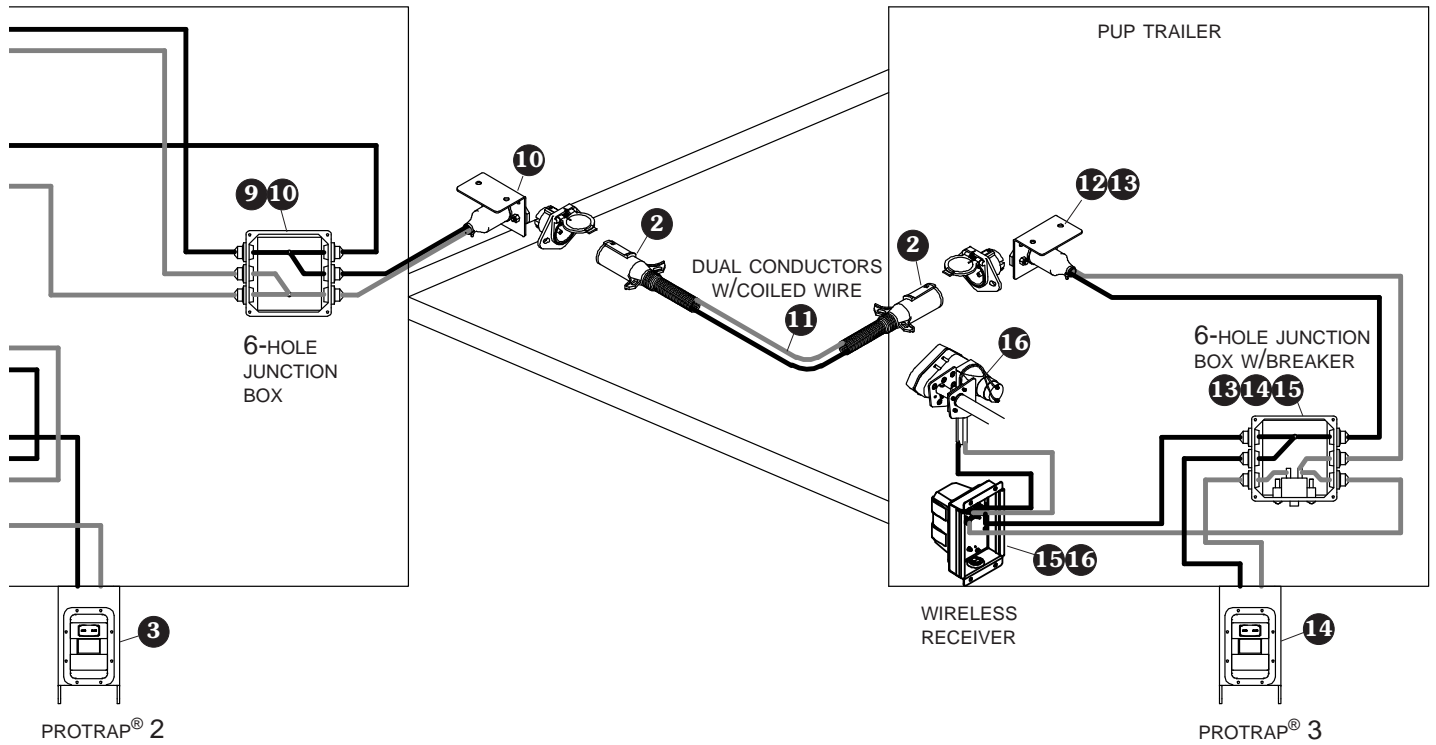


NOTE: Numbers shown on wiring diagram refer to steps in instructions. Example: Battery connection is described in step 1, conductor plug in step 2, etc.

1. CIRCUIT BREAKER TO BATTERY
2. CONDUCTOR PLUG
3. PROTRAP® UNITS TO 6-HOLE JUNCTION BOX W/BREAKER
4. ELECTRIC MOTOR TO WIRELESS RECEIVER
5. CONDUCTOR SOCKET TO 6-HOLE JUNCTION BOX
6. WIRELESS RECEIVER TO 6-HOLE JUNCTION BOX
7. 8-HOLE JUNCTION BOX TO 6-HOLE JUNCTION BOX
8. 6-HOLE JUNCTION BOX TO 6-HOLE JUNCTION BOX W/BREAKER
9. 8-HOLE JUNCTION BOX TO REAR 6-HOLE JUNCTION BOX
10. REAR 6-HOLE JUNCTION BOX TO CONDUCTOR SOCKET
11. CONDUCTOR PLUGS FROM LEAD TRAILER TO PUP TRAILER
- 12.-13. CONDUCTOR SOCKET TO 6-HOLE JUNCTION BOX W/BREAKER
14. 6-HOLE JUNCTION BOX W/BREAKER TO PROTRAP® UNIT
15. 6-HOLE JUNCTION BOX W/BREAKER TO WIRELESS RECEIVER
16. WIRELESS RECEIVER TO ELECTRIC MOTOR

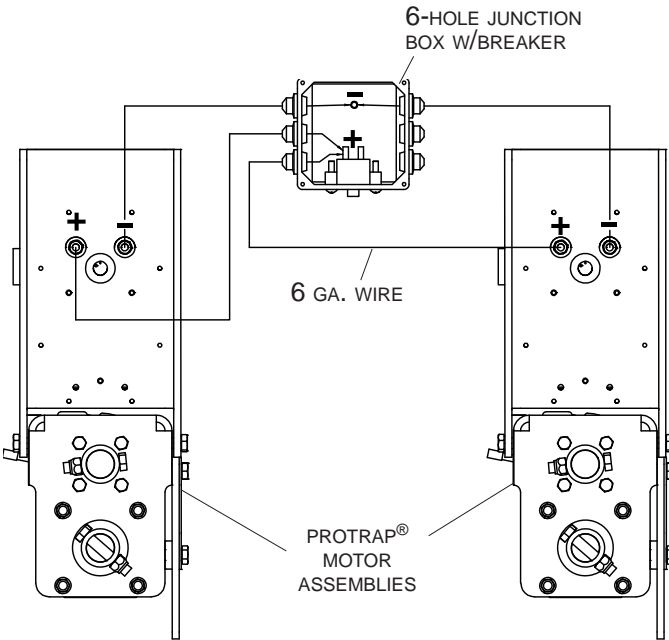


WIRING DIAGRAM



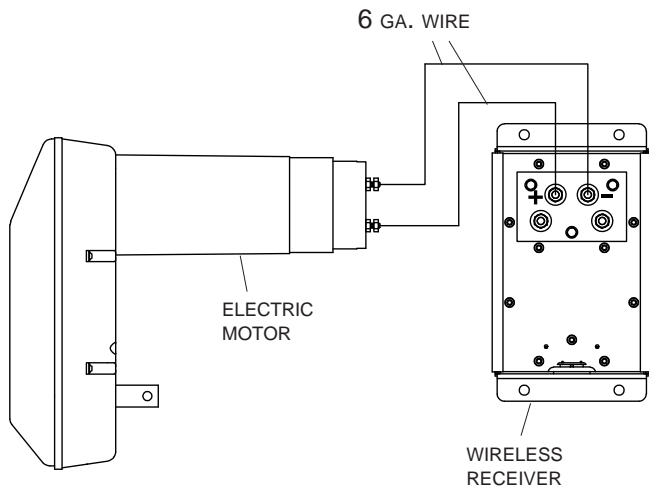
PROTRAP® UNITS TO 6-HOLE JUNCTION BOX W/BREAKER

STEP 3: Mount 6-hole junction box with breaker between hoppers to supply power to ProTrap® units. Run 6 ga. wire from each ProTrap® motor assembly to junction box with breaker. Connect positive wire to positive posts and negative wire to negative posts.



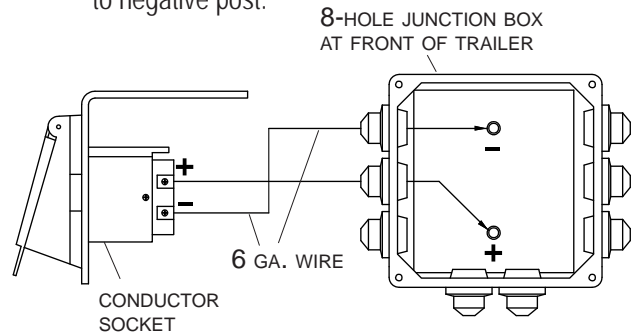
ELECTRIC MOTOR TO WIRELESS RECEIVER

STEP 4: Mount wireless receiver on front of trailer as shown in 3500 Series manual. Identify 6 ga. wire running from electric motor through front pivot arm. Connect wire to back of wireless receiver, placing positive wire on upper orange post and negative wire on upper black post.



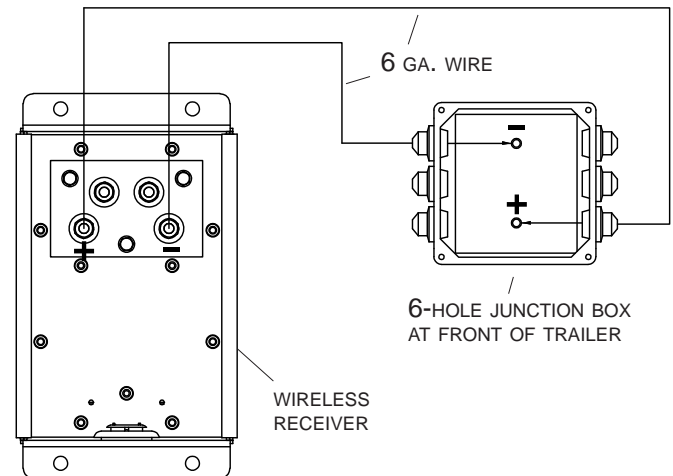
CONDUCTOR SOCKET TO 8-HOLE JUNCTION BOX

STEP 5: Mount 8-hole junction box on front of trailer as shown in ProTrap® manual. Run 6 ga. wire from conductor socket to junction box. At 8-hole junction box, connect positive wire to positive post and negative wire to negative post.



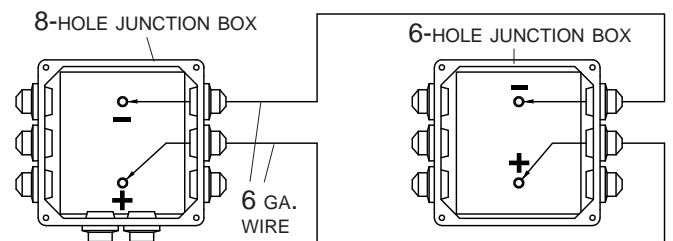
WIRELESS RECEIVER TO 6-HOLE JUNCTION BOX

STEP 6: Mount 6-hole junction box on front of trailer as shown in the 3500 Series manual. Run 6 ga. wire from wireless receiver to 6-hole junction box. Connect positive wires to positive posts and negative wires to negative posts.



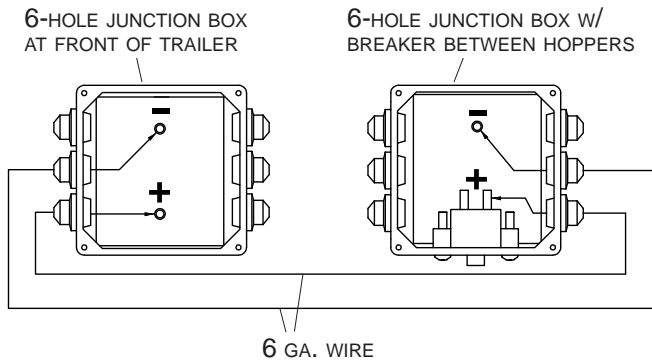
8-HOLE JUNCTION BOX TO FRONT 6-HOLE JUNCTION BOX

STEP 7: At front of trailer, run 6 ga. wire from 8-hole junction box to 6-hole junction box. Connect positive wires to positive posts and negative wires to negative posts.



6-HOLE JUNCTION BOX TO 6-HOLE JUNCTION BOX W/BREAKER

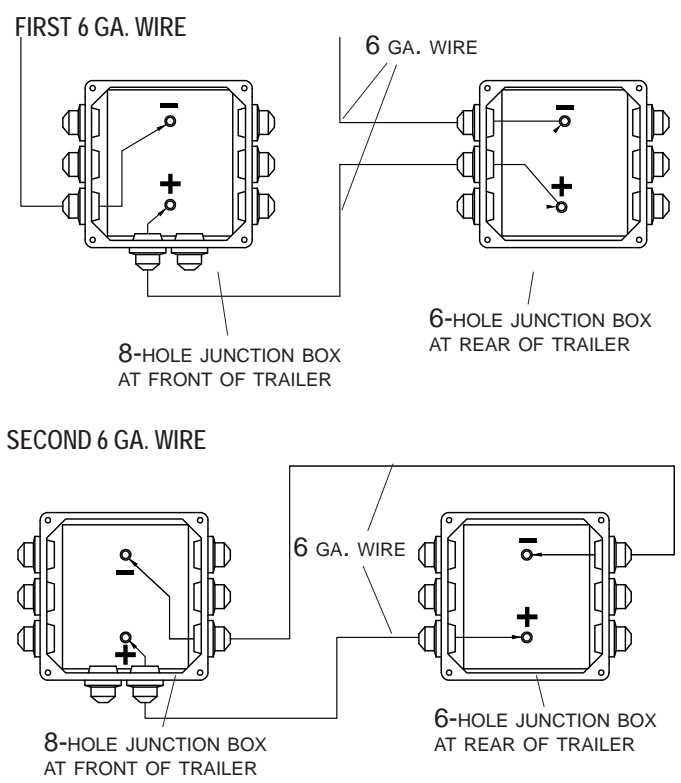
STEP 8: Run 6 ga. wire from 6-hole junction box to 6-hole junction box with breaker. Connect positive wire to positive posts and negative wire to negative posts.



8-HOLE JUNCTION BOX TO REAR 6-HOLE JUNCTION BOX

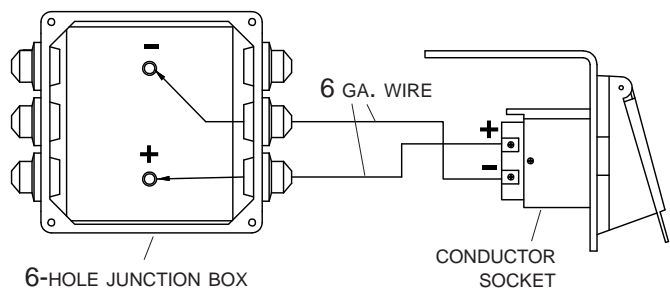
STEP 9: Mount 6-hole junction box on rear of trailer. Run two sets of 6 ga. wire from 8-hole junction box at front of trailer to 6-hole junction box at rear of trailer. Run wire down one side or both sides of trailer, connecting positive wire to positive posts and negative wire to negative posts.

NOTE: To assure pup trailer receives sufficient voltage, two sets of wire running from lead trailer to pup trailer are required.



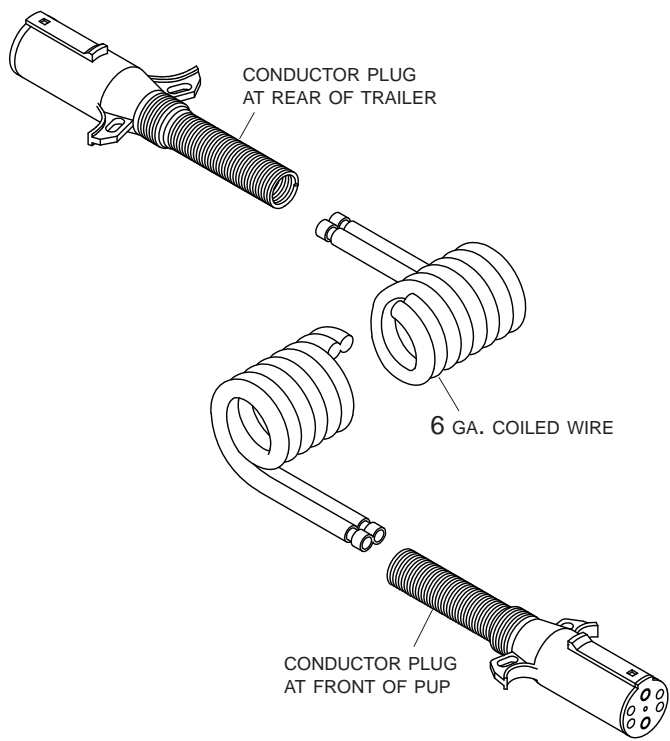
REAR 6-HOLE JUNCTION BOX TO CONDUCTOR SOCKET

STEP 10: At rear of trailer, run 6 ga. wire from 6-hole junction box to conductor socket. Fasten conductor socket mounting bracket on rear of lead trailer as shown in ProTrap® manual.



CONDUCTOR PLUGS - LEAD TO PUP TRAILER

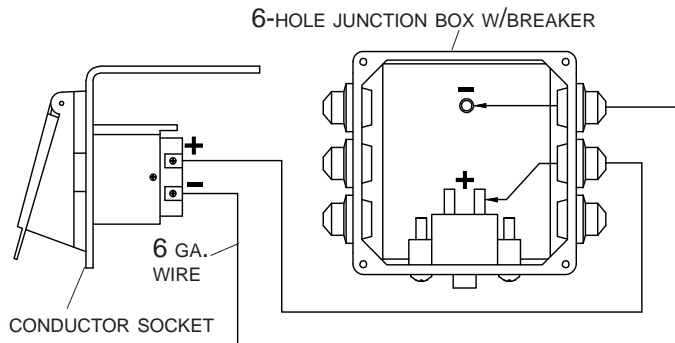
STEP 11: Feed 6 ga. coiled wire from conductor plug at rear of lead trailer to conductor plug at front of pup trailer, routing and securing wire as appropriate. To connect wire to conductor plugs, see Coiled Wire Connection instructions 1120296.



CONDUCTOR SOCKET TO 6-HOLE JUNCTION BOX W/BREAKER

STEP 12: Install 6-hole junction box with breaker near ProTrap® motor assembly on pup trailer as shown in ProTrap® manual.

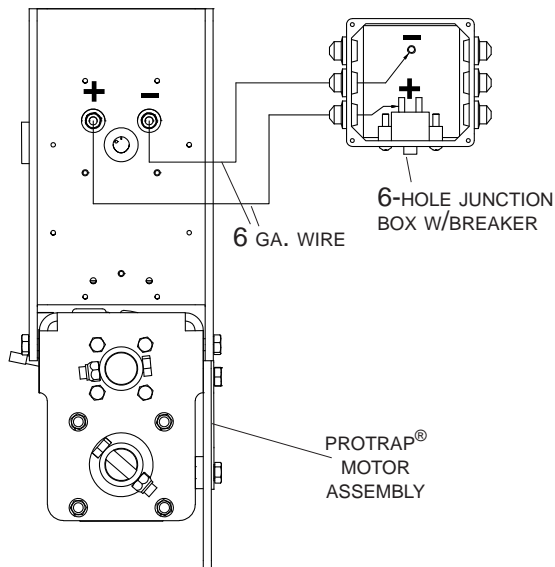
STEP 13: Fasten conductor socket mounting bracket on front of pup trailer as shown in ProTrap® manual. Bring wire from conductor socket to 6-hole junction box with breaker, connecting positive wire to positive post and negative wire to negative post.



6-HOLE JUNCTION BOX W/BREAKER TO PROTRAP® UNIT

STEP 14: Run 6 ga. wire from ProTrap® motor to 6-hole junction box with breaker. Connect positive wire to positive posts and negative wire to negative posts.

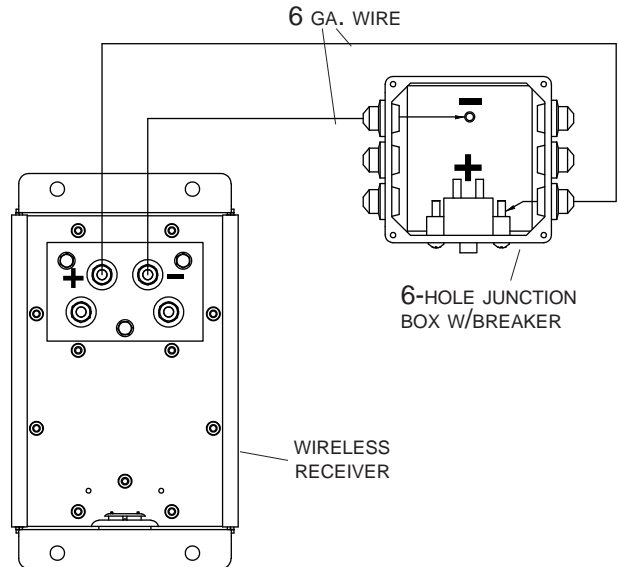
NOTE: If installing only one ProTrap® unit on trailer, two holes/grommets in junction box will remain unused.



NOTE: If you are installing only one ProTrap® module on your trailer, two of the holes/grommets in the junction box will remain unused.

6-HOLE JUNCTION BOX W/BREAKER TO WIRELESS RECEIVER

STEP 15: Mount wireless receiver on front of pup trailer as shown in 3500 Series manual. Run 6 ga. wire from 6-hole junction box with breaker to wireless receiver. Connect positive wires to positive posts and negative wires to negative posts.



WIRELESS RECEIVER TO ELECTRIC MOTOR

STEP 16: Identify 6 ga. wire running from electric motor through front pivot arm. Connect wire to back of wireless receiver, placing positive wire on upper orange post and negative wire on upper black post.

