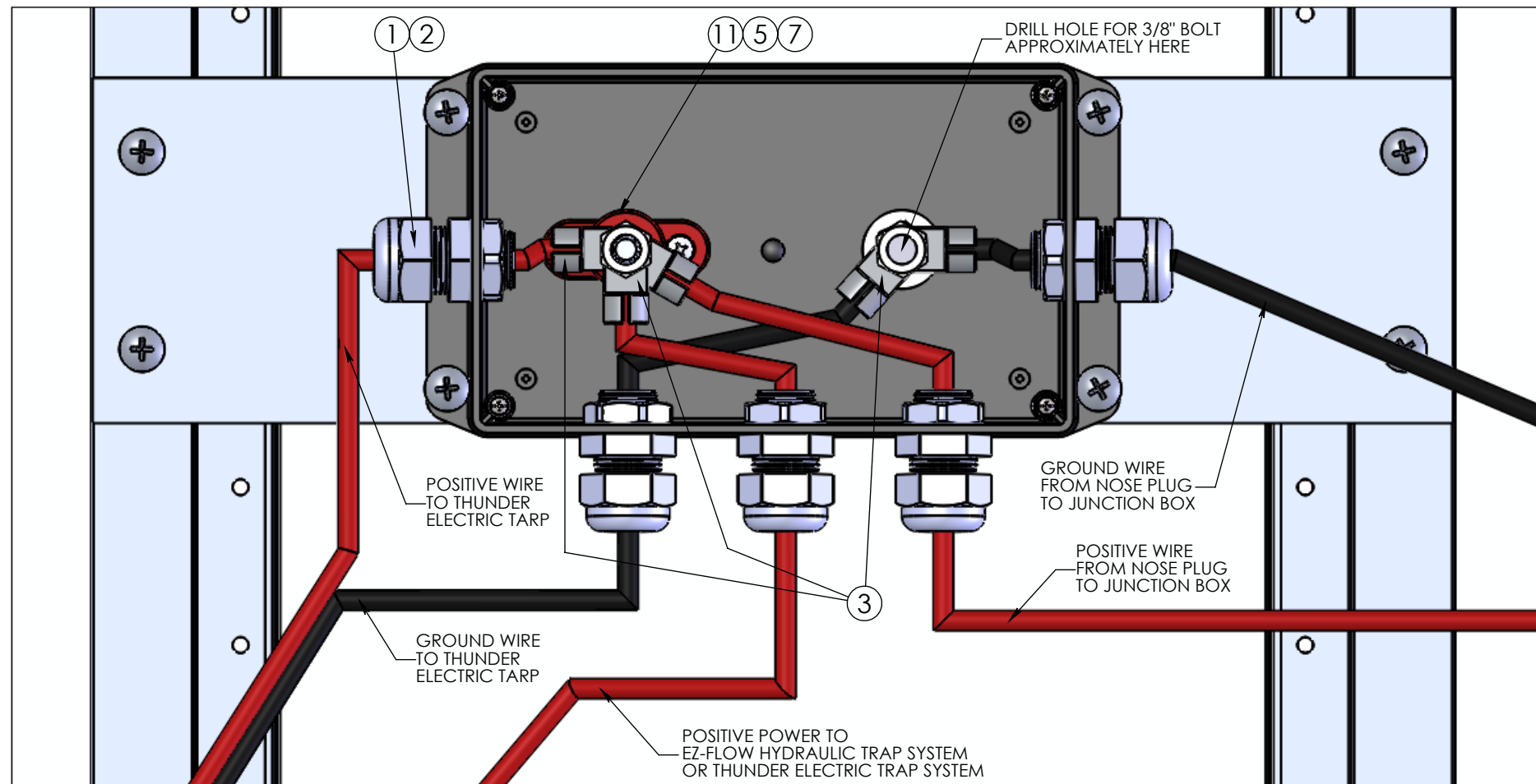




JUNCTION BOX INSTALLATION KIT FOR THUNDERSTONE TARP KIT AND EZ-FLOW TRAP OR THUNDER ELECTRIC TRAP KITS

USE THIS WHEN INSTALLING THUNDER ELECTRIC TARPS WITH THE
EZ-FLOW HYDRAULIC DOORS OR THE THUNDER ELECTRIC TRAPS.
LAYOUT SHOWN IS FOR REFERENCE ONLY.

ITEM NO.	JCT BOX INSTAL - 100560	QTY.	DESCRIPTION
1	031-51114	5	CORD CONNECTOR 1/2"
2	031-51115	5	LOCKNUT 1/2" CORD CONNECTOR
3	031-51117	3	RING TERMINAL 6GA X 3/8" STUD
4	031-51268	1	WIRE ASSEMBLY JUMPER 6GA 18" LONG
5	032-39859	2	SELF TAPPING SCREW 10-24 X 3/4"
6	032-43152	8	SCREW 1/4-20 x 1 1/4", SS PHILLIPS TRUSS HEAD
7	032-43238	2	NUT, 3/8-16 HEX HEAD JAM NUT
8	032-47918	8	NUT, 1/4-20 HEX HEAD
9	032-51281	8	WASHER, 1/4" SPLIT LOCK ZINC FINISH
10	034-52549	1	PLASTIC JUNCTION BOX W/MNT FLANGE
11	035-51062	1	JUNCTION BLOCK STUD TYPE RED
12	040-52556	1	POST TO POST BACKING PLATE (FRONT)



DISCONNECT ALL POWER TO THE TRAILER BY UNPLUGGING THE SYSTEM FROM THE TRACTOR BEFORE WORKING ON TRAILER.

JUNCTION BOX PREPARATION INSTRUCTIONS:

- DRILL FIVE 13/16" HOLES IN THE JUNCTION BOX FOR THE STRAIN RELIEFS TO BE INSTALLED. (SEE THE LAYOUTS TO THE LEFT FOR APPROXIMATE LOCATIONS.)
- <PARA >INSTALL THE FIVE STRAIN RELIEFS IN THE JUNCTION BOX.
- CENTER THE JUNCTION BOX IN THE MIDDLE OF THE BRACKET THEN MARK AND DRILL FOUR .265" (17/64") HOLES THROUGH THE MOUNTING PLATE.
- USE THE FOUR 1/4" X 1 1/4" SCREWS, NUTS, AND LOCK WASHERS AND ATTACH THE CONTROL BOX TO THE MOUNTING PLATE.
- DRILL A .390" (25/64") HOLE APPROXIMATELY WHERE SHOWN FOR THE 3/8" BOLT TO RUN THROUGH.
- INSERT THE 3/8" GROUND BOLT THAT IS INCLUDED WITH THE TRAP SYSTEM THROUGH THE .390" HOLE AND HOLD IN PLACE WITH THE 3/8" FLANGE LOCK NUT. (THE 3/8" BOLT MUST RUN THROUGH THE BOX AND MAKE CONTACT WITH THE BACKING PLATE TO COMPLETE THE GROUND FOR THE TRAP SYSTEMS.)
- <PARA >HOLD THE RED POSITIVE WIRE STUD IN PLACE APPROXIMATELY WHERE SHOWN AND USE THE TWO #10 X 3/4" SELF DRILLING SCREWS TO INSTALL.

JUNCTION BOX MOUNTING INSTRUCTIONS:

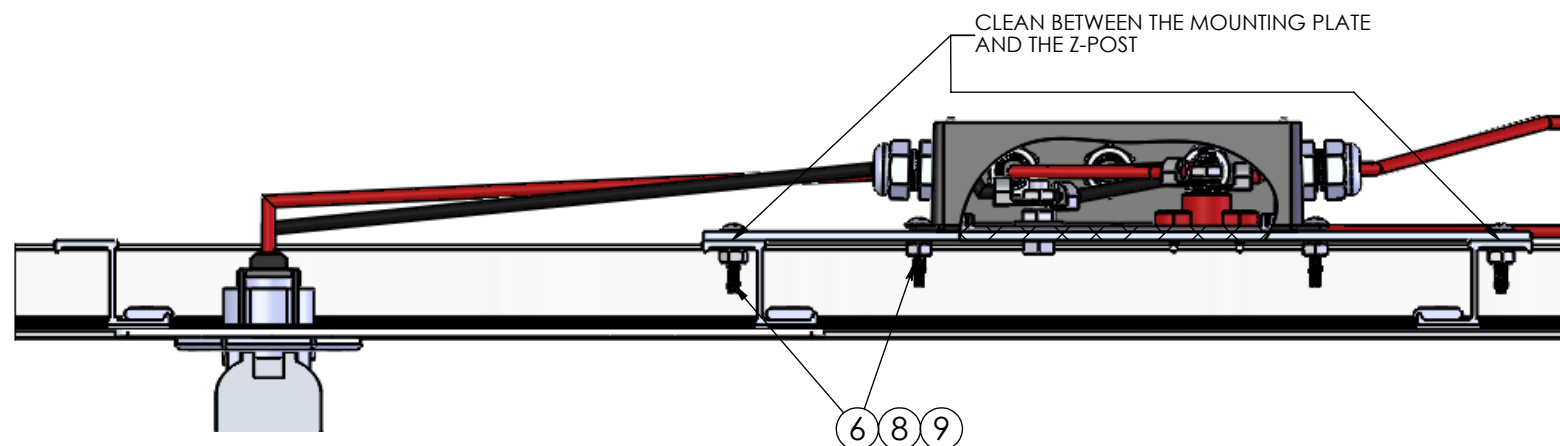
BEFORE INSTALLING MAKE SURE YOU ARE CLOSE ENOUGH TO THE NOSE PLUG FOR ALL THE WIRES TO REACH INTO THE BOX.

- CLEAN POST WITH WIRE BRUSH WHERE PLATE WILL BE INSTALLED. (SURFACE MUST BE CLEAN TO MAKE GOOD CONTACT FOR THE GROUND WIRE.)
- HOLD PLATE IN PLACE AND DRILL FOUR .265" (17/64") HOLES THROUGH THE Z-POSTS.
- USE THE FOUR 1/4" X 1 1/4" SCREWS, NUTS, AND LOCK WASHERS AND ATTACH THE MOUNTING PLATE TO THE Z-POSTS.

JUNCTION BOX WIRING INSTRUCTIONS (EXISTING TARP SYSTEM):

USE DIELECTRIC GREASE AT ALL ELECTRICAL CONNECTIONS TO PROTECT FROM CORROSION AND INSURE GOOD CONTACT.

- REMOVE THE POSITIVE AND NEGATIVE WIRE FROM THE NOSE PLUG AND RUN THEM THROUGH THE STRAIN RELIEFS AS SHOWN, THEN SNUG THE STRAIN RELIEF OUTER NUT TO HOLD IN PLACE.
- RUN THE POSITIVE WIRE FOR THE TRAP SYSTEM THROUGH A STRAIN RELIEF AS SHOWN AND SNUG THE OUTER NUT TO HOLD IN PLACE.
- RUN THE 18" LONG GROUND WIRE (BLACK) AND 18" LONG POSITIVE WIRE THROUGH THE REMAINING TWO STRAIN RELIEFS.
- RUN THE TWO 18" LONG WIRES THROUGH THE NOSE PLUG BOOT.
- PUT THE POSITIVE (RED) WIRE INTO THE TOP HOLE AND THE GROUND WIRE INTO THE BOTTOM HOLE OF THE NOSE PLUG AND TIGHTEN.
- INSTALL A 3/8" LUG ON THE POSITIVE POWER WIRE FOR THE TRAP SYSTEM, AND A 3/8" LUG ON THE POSITIVE AND GROUND WIRES FOR THE TARP SYSTEM.
- PUT 1" OF 1/2" HEAT SHRINK TUBE OVER THE THREE LUGS TO PROTECT FROM ACCIDENTAL CONTACT AND SHORTING OUT.
- CONNECT THE POSITIVE WIRE FROM THE NOSE PLUG AND THE TWO POSITIVE POWER WIRES FROM THE TARP AND TRAP SYSTEMS TO THE RED JUNCTION BLOCK STUD.
- CONNECT THE GROUND WIRE FROM THE NOSE PLUG AND THE GROUND WIRE FROM THE TRAP SYSTEM TO THE GROUNDING BOLT.
- TIGHTEN ALL OF THE OUTER STRAIN RELIEF NUTS AND PULL GENTLY ON THE WIRES TO MAKE SURE THEY ARE SECURE.
- PLUG IN THE TRAILER AND MAKE SURE ALL THE SYSTEMS WILL POWER UP.
- PUT COVER ON THE BOX.



DRWN BY: MGW
DATE DRWN: 1/14/2014

For questions contact customer service @ 402-435-4249

DWG. NO. JCT BOX INSTAL - 100560

REV:

ORIGINAL