

AC/DC POWER SUPPLY ADAPTOR BOX KIT

PN 156758

The following are instructions to install the AC/DC Power Supply Adapter Box on a portable animal scale.



Figure 1. AC/DC Power Supply Adapter Box Kit

Mounting to Scale



Note When ordering a complete package, the enclosure box will be assembled to the mounting bracket. If not, see Step 3.

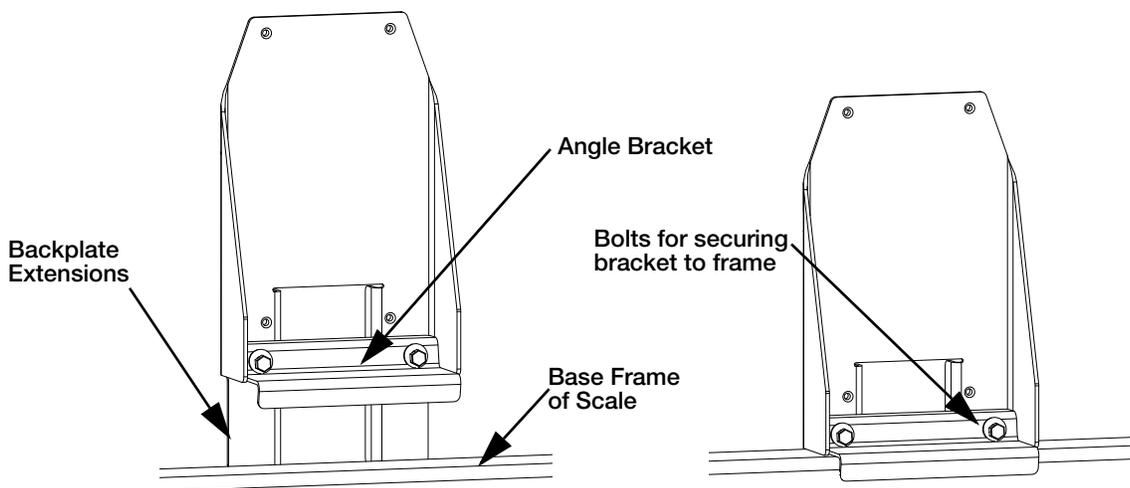


Figure 2. Mounting Power Box Assembly to Frame



Note The mounting bracket can be positioned anywhere along the frame within the limits of the conduit.

1. Place mounting bracket assembly on the outer beam of the bottom frame on the scale in desired location. Angle bracket should extend past the front of the beam and backplate extensions should be flush with back of beam.
2. Tighten bolts to secure to frame. Ensure they are tight enough to resist movement when scale is in use.



Note When ordering a complete package, the enclosure box will be assembled to the mounting bracket. Skip to Step 4.

3. Mount the enclosure box to the mounting bracket using the bolts and washer supplied.

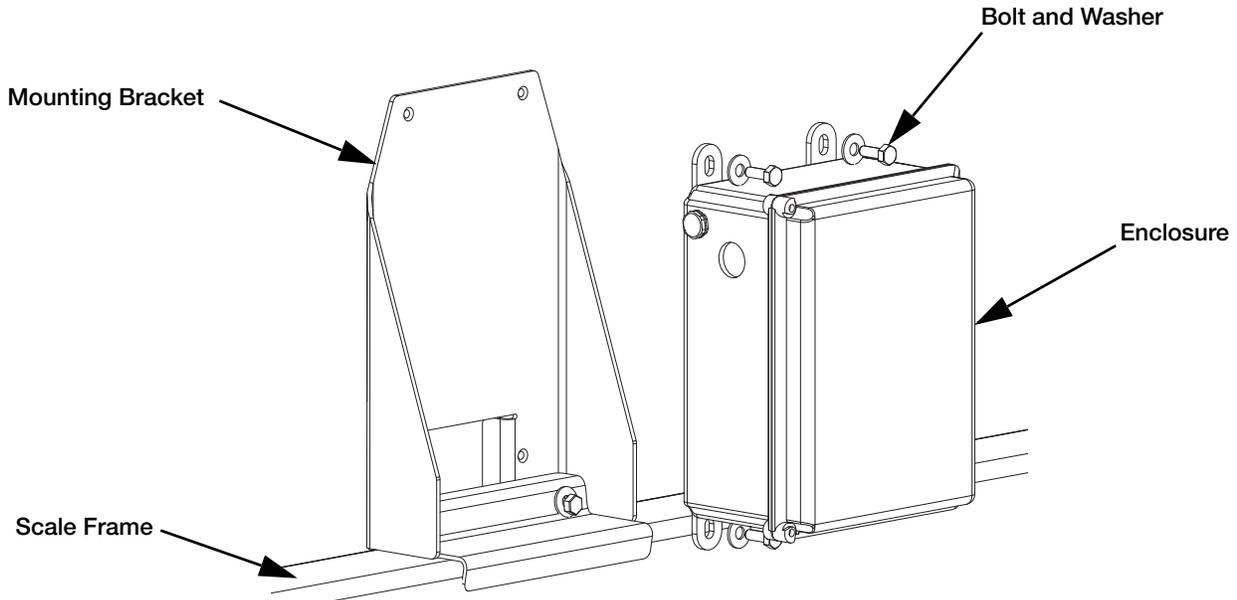


Figure 3. Mount Enclosure Box

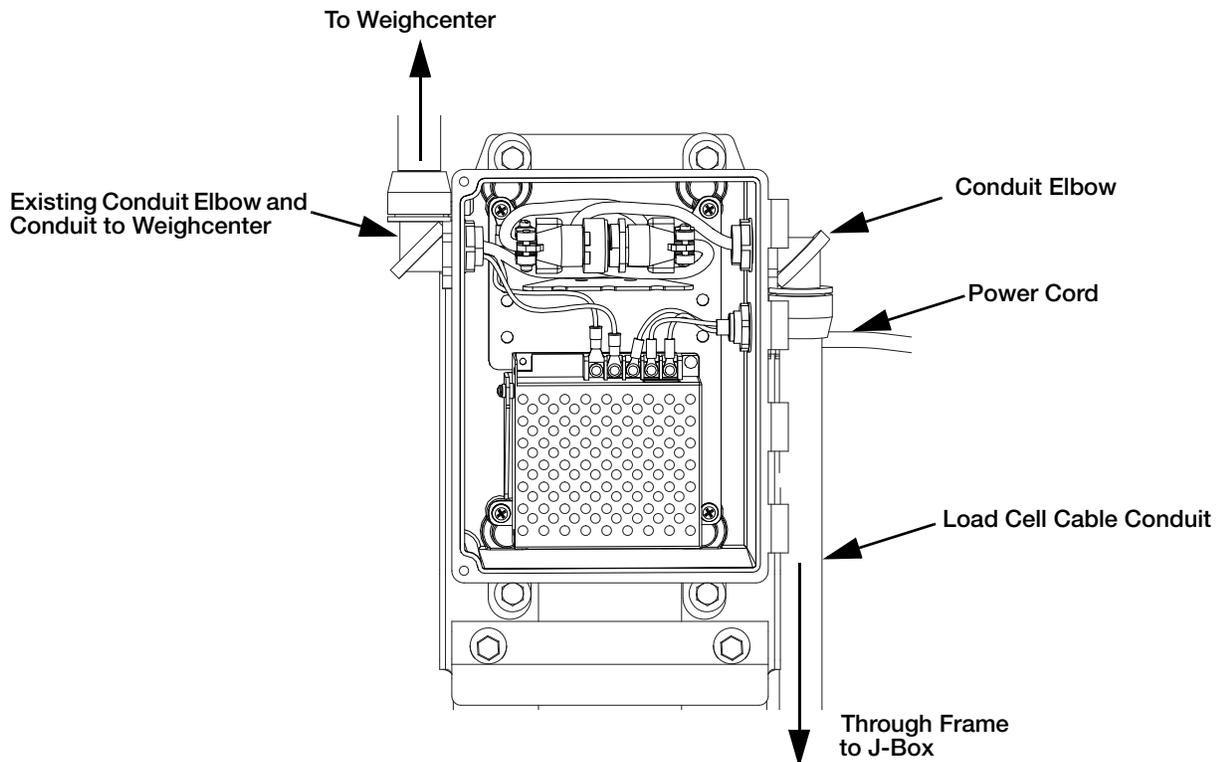


Figure 4. Wiring Diagram

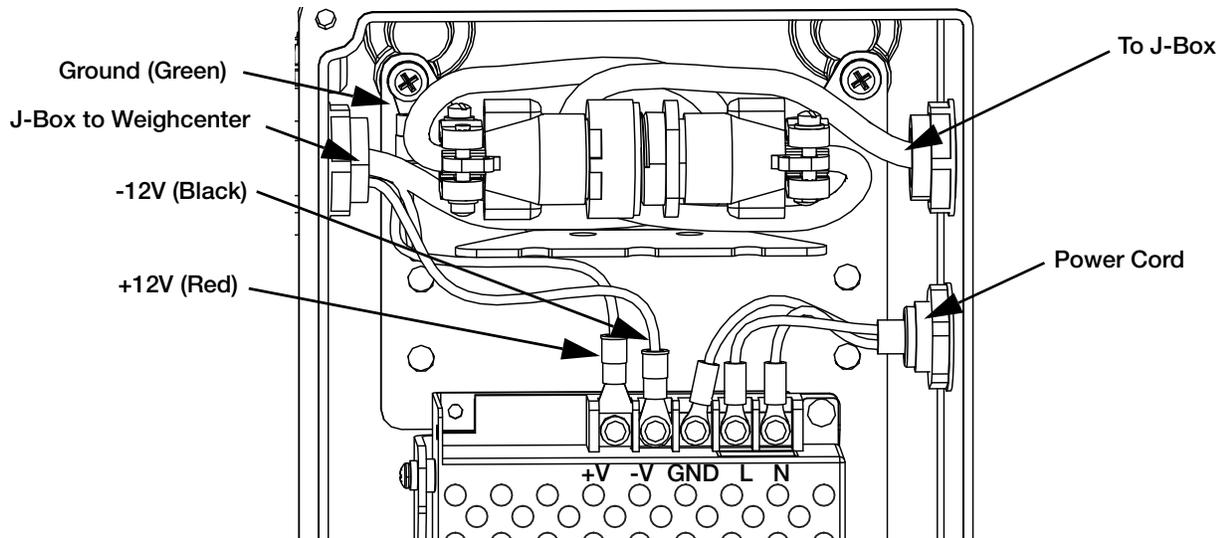


Figure 5. Power Supply Connections

4. Disconnect the homerun cable from the weighcenter (see weighcenter manual PN 156758) and pull it out of the conduit and conduit elbow.
5. Insert the conduit elbow into the designated hole in the enclosure. Secure with nut.
6. Pass the weighcenter cable from the inside of the enclosure through the conduit elbow and conduit to the weighcenter.
7. Reconnect the cable to the weighcenter.



Note *The cable to the weighcenter is part of existing assembly and runs through existing conduit retrofitted to power supply box.*

8. Disconnect the cable from the j-box.
9. Connect conduit elbow to the enclosure at designated hole and secure with nut.
10. Connect the other conduit elbow to the frame near the j-box.
11. Pass the j-box cable through the conduit elbow, supplied conduit and conduit elbow on the frame.
12. Reconnect the j-box cable to the j-box.
13. Connect the j-box cable connector and the weighcenter cable connector inside enclosure.
14. Secure connectors and excess cable with zip-ties inside the enclosure.

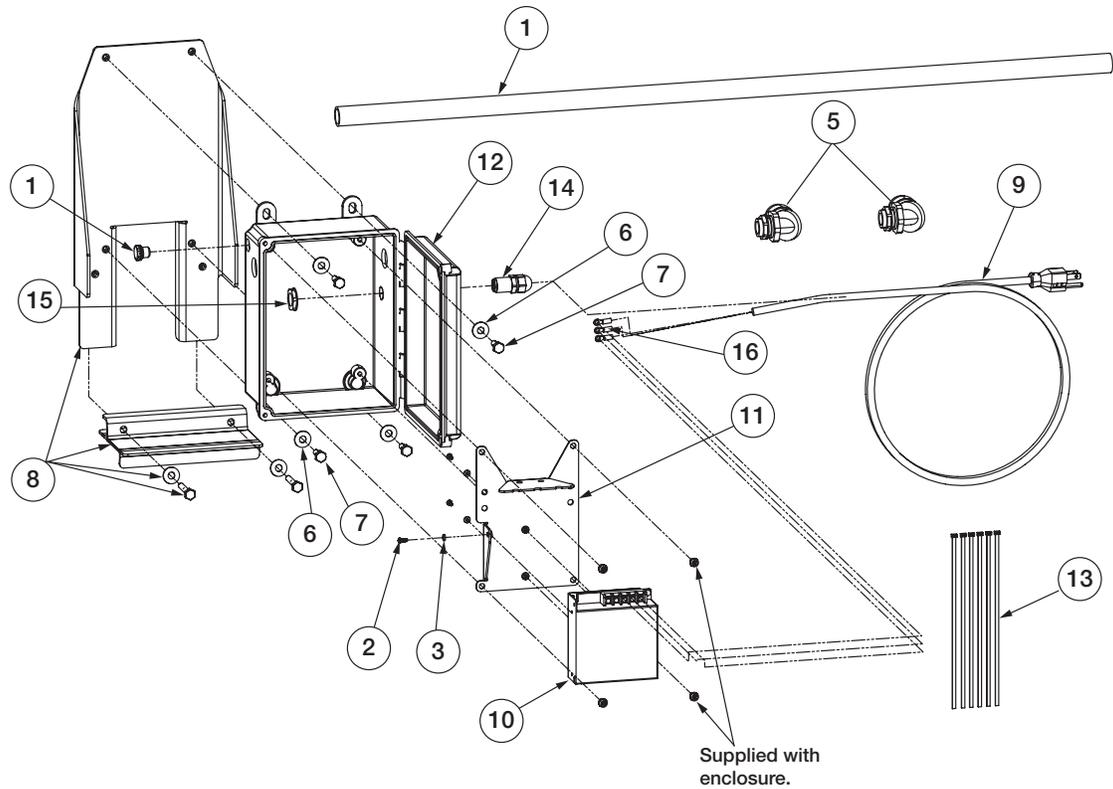


Figure 6. AC/DC Power Box Parts Illustration

Item No.	Part No.	Description	Qty.
1	128022	Vent, Integrated Screw	1
2	41757	Screw, Cap M3-0.5x8	3
3	127028	Washer, Flat No 4 18-8 SST	3
4	128123	Conduit, Non Metallic	3
5	127135	Conn, Non Metallic Liquid	2
6	127008	Screw, Cap 1/4-20 x 3/4	4
7	81427	Washer, Flat 1/4 Steel	4
8	156760	AC/DC Mounting Assembly	1
	106462	Screw, Cap, 1/4-20NC x 1 1/2"	2
	81427	Washer, Flat, 1/4" Steel	2
	156764	Mounting Bracket, Angle	1
	156829	Mounting Bracket	1

Item No.	Part No.	Description	Qty.
9	105380	Power Cord, Pigtail	1
10	156761	Power Supply, Switching	1
11	156795	AC/DC Power Supply, Mount	1
12	156759	AC/DC Adapter Box	1
	151901	Decal, Caution Not a Step	1
	151906	Decal, Warning Do Not Open	1
13	16141	Cable Tie, 8in Nylon	
14	15656	Locknut, 3/8 NPT	1
15	15655	Cable, Grip 3/8NPT	1
16	15694	Conn, Eye Crimp No 8	3



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