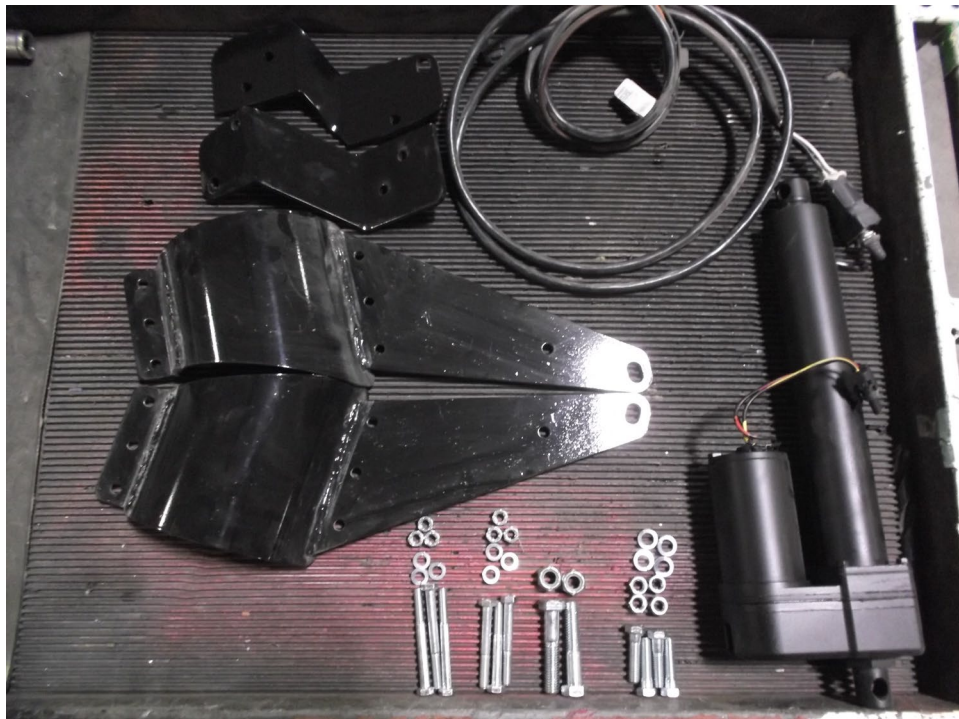
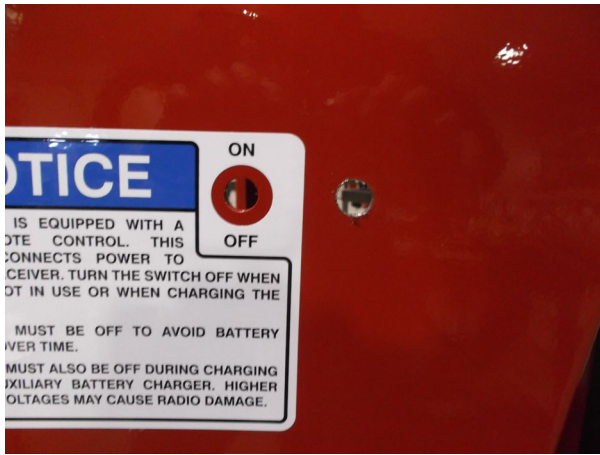


## 220/2 BOX AUGER LIFT

MMSI PART #	DESCRIPTION	QTY.
S4220	ACTUATOR	1
S4201	REVERSE ACTUATOR HARNESS FOR LIFFT	1
S4202	6" TOP INNER BRACKET	1
S4203	6" TOP OUTER BRACKET	1
S4204-1	6" LOWER INNER 220 DBL SPRING	1
S4205-1	6" LOWER OUTER 220 DBL SPRING	1
	3/8" X 1 1/2" BOLTS	4
	3/8" LOCKS	4
	3/8" NUTS	4
	1/2" X 2 1/2" BOLTS	2
	1/2" NYLOCKS	2
	5/16" X 3" BOLTS	3
	5/16" X 2 1/2" BOLTS	3
	5/16" LOCKS	6
	5/16" NUTS	6



Parts required to install a 220 Auger Lift



Step 1: Drill a 1/2" hole next to the "ON/OFF" switch hole.



Step 2: Install the actuator switch in the hole and tighten.



Step 3: Install the Lower Actuator Bracket. The first bracket will be installed next to the hopper body. The bracket should be installed so the bend is towards the centerline of the auger tube. Attach using 2 - 3/8" x 1-1/2" bolts, 2 - 3/8" Nuts, and 2 - 3/8" lock washers. Tighten all fasteners.



Step 4: Install the Lower Actuator Bracket. The second bracket will be placed towards the outside of the trailer and the bend angle is towards the centerline of the auger tube. Attach using 2 - 3/8" x 1-1/2" bolts, 2 - 3/8" lock washers, and 2 - 3/8" nuts. Tighten all fasteners. Make sure actuator mounting holes align.



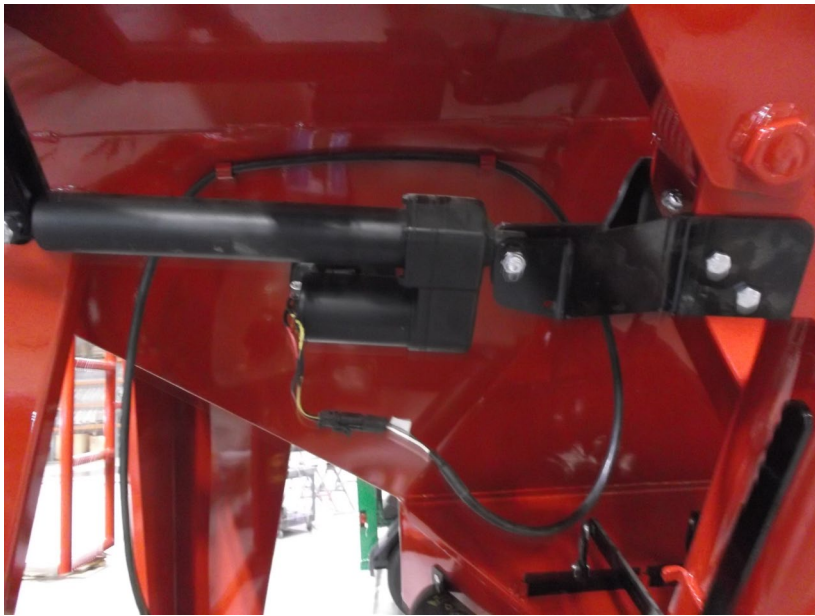
Step 5: Install the actuator into the pair of lower actuator mounts. Use a 1/2" x 2-1/2" bolt and a 1/2" nylock nut to fasten the actuator on. Make sure to install the bolt and nut with the nut to the outside of the tender. The nut should be facing away from the hopper to prevent any interference.



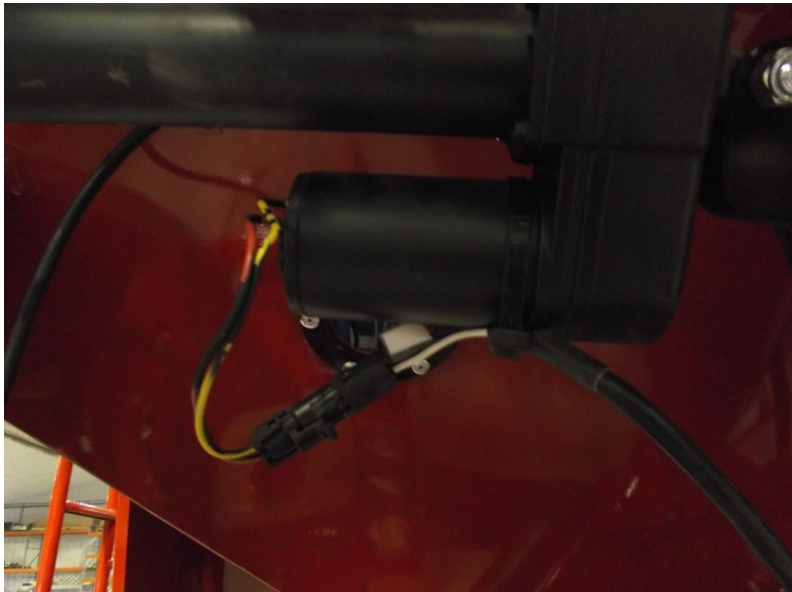
Step 6: Rotate the actuator up to get an idea of where to place the Top Actuator Bracket assembly. Use 1 - 5/16" x 2-1/2" bolt, 1 - 5/16" lock washer, 1 - 5/16" nut to hold the two sides of the Top Actuator assembly together. Make sure to place all nuts towards the outside of the tender.



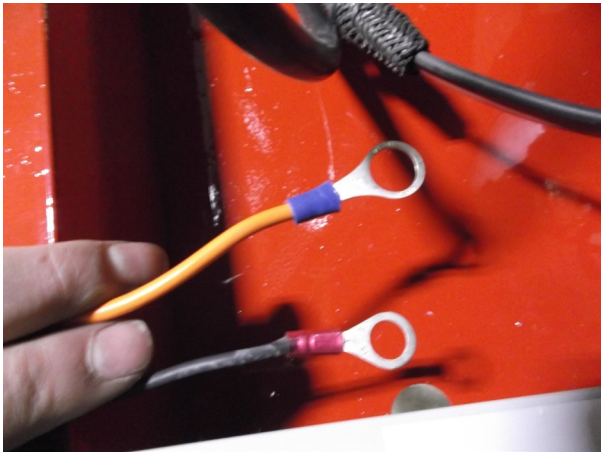
Step 7: Once placement of the Top Actuator Bracket assembly is correct, install the actuator to the bottom of the bracket assembly by using a 1/2" x 2-1/2" bolt and a 1/2" nylock nut (make sure nut is facing to outside of the assembly). Then install the 3 - 5/16" x 3" bolts, 3 - 5/16" lock washers, and 3 - 5/16" nuts into the bottom side of the bracket assembly and install the remaining 2 - 5/16" x 2-1/2" bolts, 2 - 5/16" lock washers, and 2 - 5/16" nuts on the top side of the bracket assembly. Tighten all fasteners.



Step 8: Connect the weather pack connectors together. Leave some slack in the harness and route the harness along the side of the tender. Keep harness in place using wire ties.



Step 9: Use a single zip tie to hold the cord to the actuator motor.



Step 10: Cut the eyelet connectors off of the positive and negative battery wires. Replace the positive fuse wire with a 3/8" eyelet connector (crimp in place) and replace the negative wire with a 5/16" eyelet connector (crimp in place).



Step 11: Connect the positive fused wire to the positive terminal on the battery. Connect the negative wire to the negative side of the battery. Tighten the connections.



Step 12: Unlatch the auger hold down so the auger is free to move. Makes sure all fasteners are tight, no leaks, and that the wiring harness will not be pinched during raising and lowering. Test the actuator by raising and lowering the auger. Repair any problems if any.