Parts List & Instructions

815 Rice Lake Street, Owatonna, MN 55060
Phone: 800-443-2476 / 507-451-5430
www.gandy.net / Email: sales@gandy.net

9347

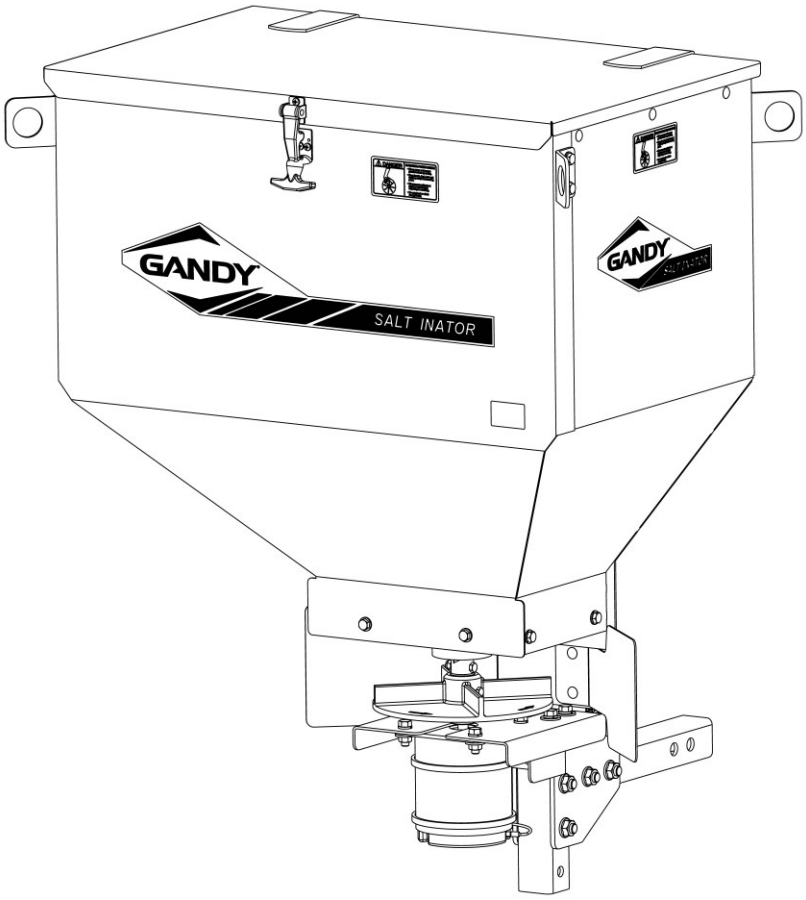
Salt Inator Spin Spreader

4 Cu Ft Poly Hopper, Holds Approximately 400 Lbs.

For Use with #1 Free Flowing Rock Salt or Ice Melt

Max Spread Width: Approximately 40-Ft

12-Volt In Cab Controller



Operators Instructions

Control Knob Settings and Spreading Guidelines
The control knob is adjustable from 1 to 10.

Approximate spreading widths:

- ... Setting 10 → spreads up to 40 ft wide
- ... Setting 8 → spreads up to 30 ft wide
- ... Setting 5 → spreads up to 20 ft wide

Settings below 5 should be verified by the operator to ensure effective spreading width.

Spread Density and Driving Speed
Driving speed directly affects salt density.

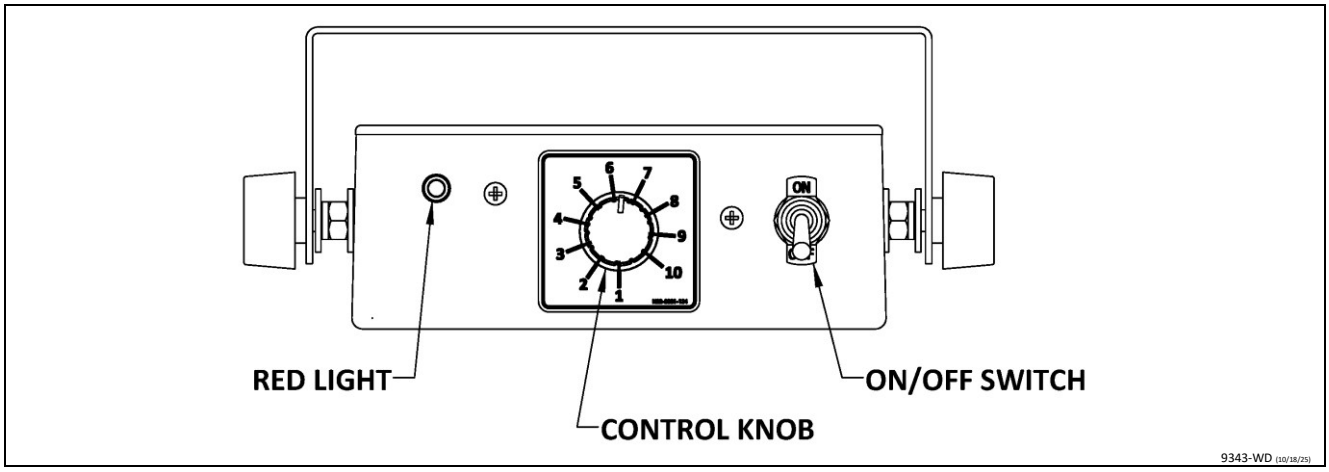
- ..... Slower speeds result in a denser salt application.
- ..... Faster speeds result in a lighter salt application.

When selecting a setting below #5, first turn the control knob to a position above #5. Then switch the unit to the ON position, and finally adjust the control knob down to your desired setting.

To run.

Flip the ON/OFF switch up to turn the controller on.
With the ON/Off switch on the Red Light will be lit up to indicate it is on.

See picture of controller below.



Maintenance, Usage & Storage

Do not leave salt or ice melt in spreader when not in use.
Salt/Ice melt absorbs moisture and may subsequently refreeze, forming a solid mass/chunk.
Do not us salt or ice melt that has big hard chunks in it. Break up all chunks to flowable size before use.

Passing large chunks through the spreader may cause jams, which can lead to electric motor failure or damage to the feeder (auger).

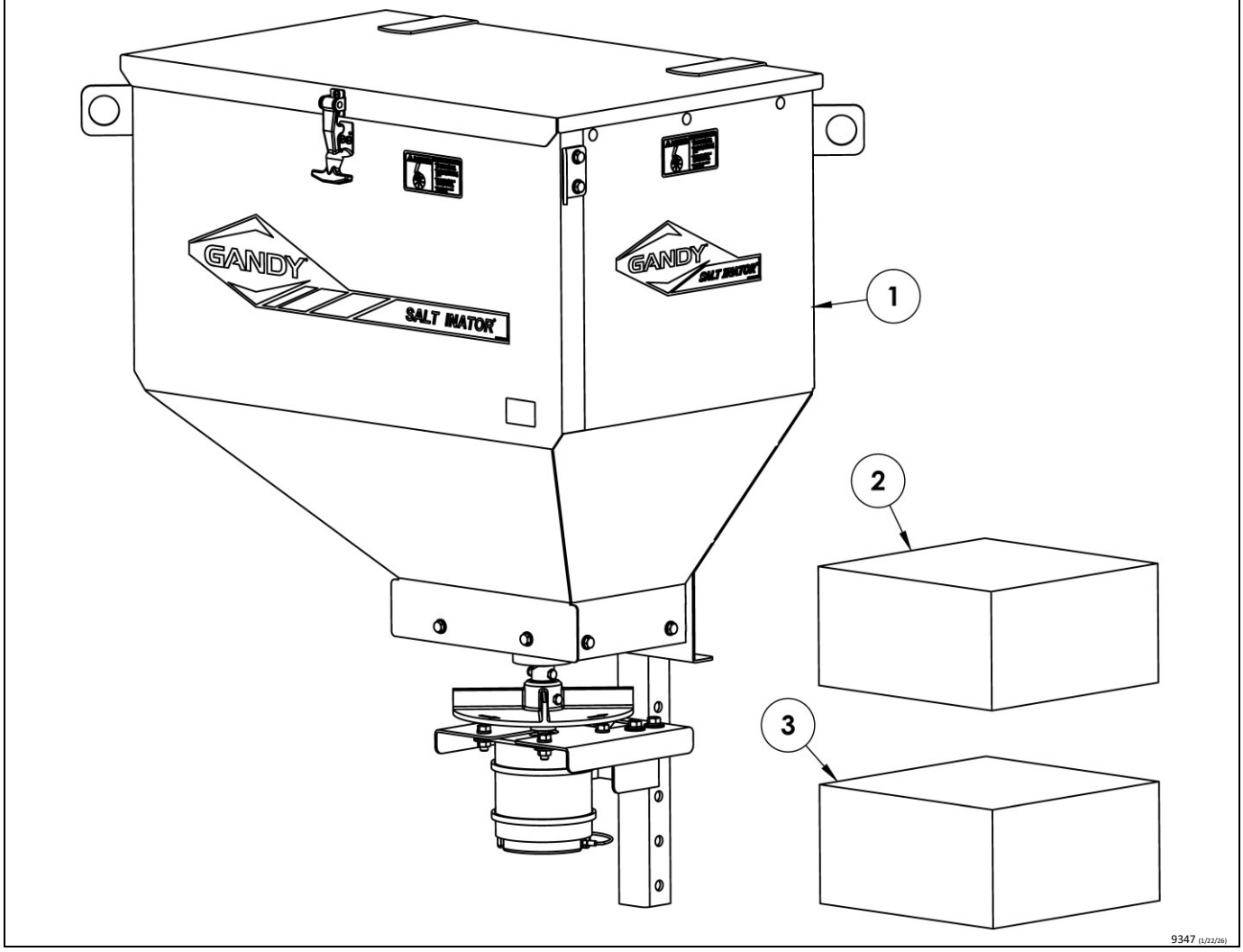
After each use:

- ..... Empty out the spreader.
- ..... Remove any excess salt or ice-melt buildup from around and beneath the spinner plate.

Palleted Shipment Containing the Following Items: (See next page for Diagram)

Item Number	Part Number	Description	Quantity
1	9347	Hopper Assembly	1
2	9347-H	Hardware Box (in Salt Inator)	1
3	9340-E	Electrical Box (in Salt Inator)	1

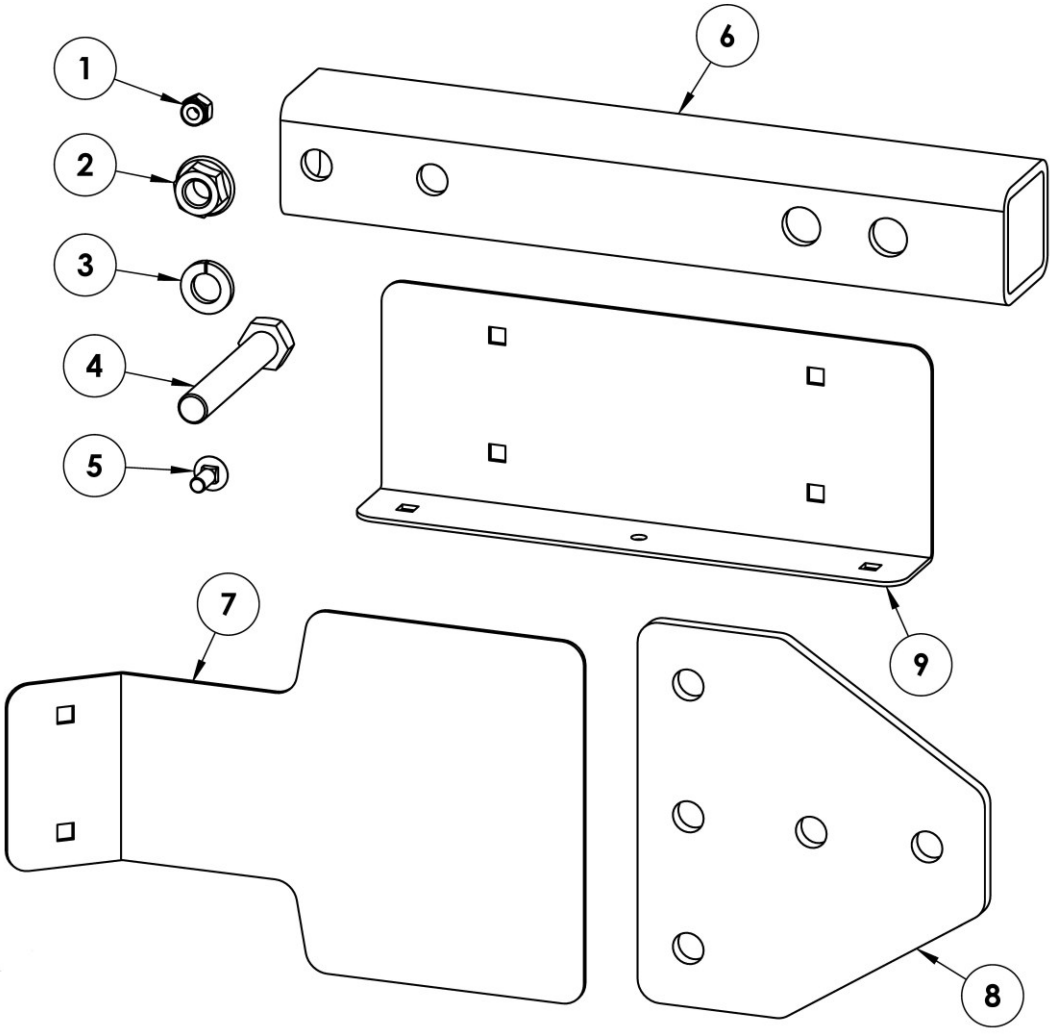
9347 Parts Break Down



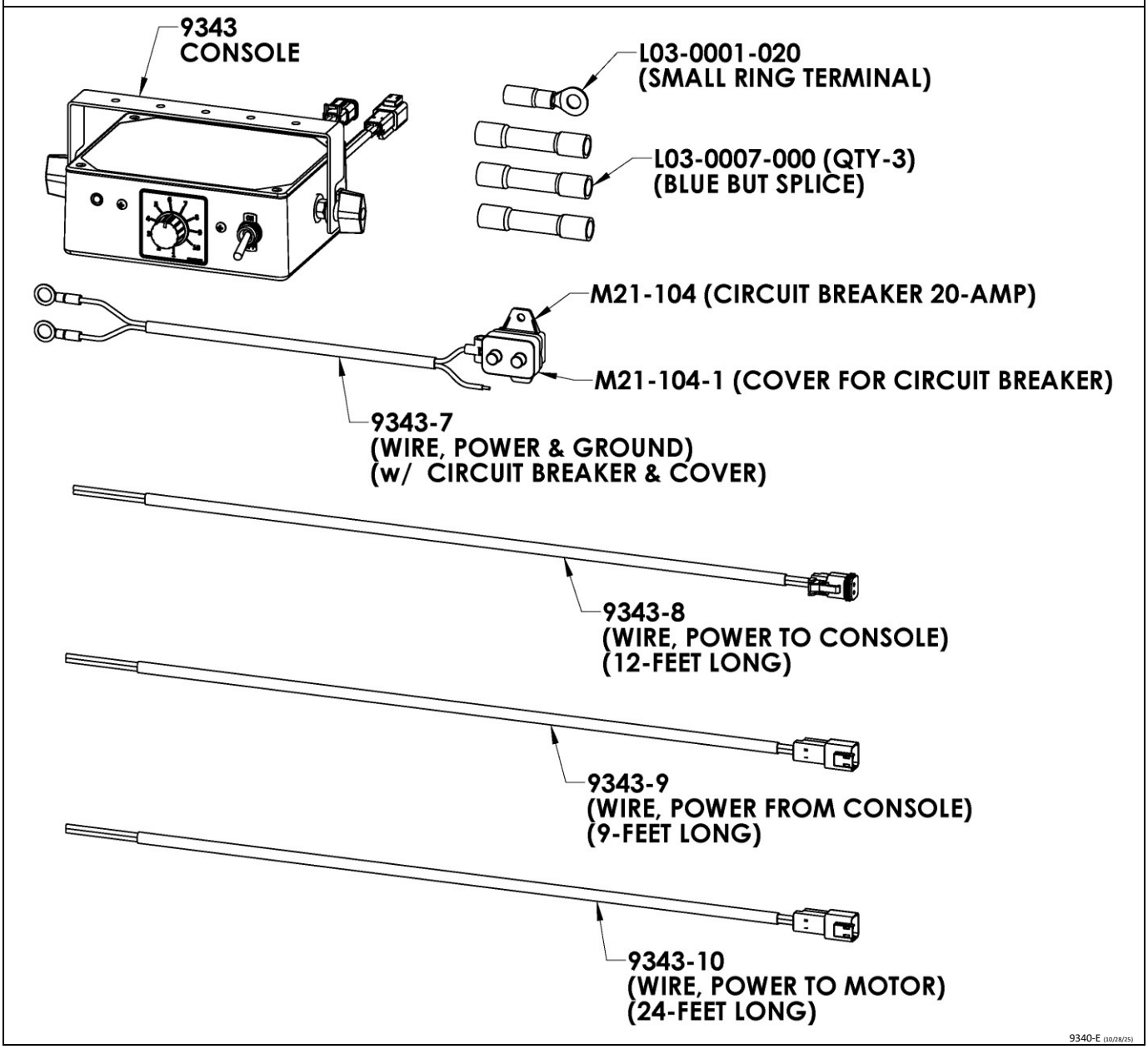
9347-H Hardware Box Containing the Following:

Item Number	Part Number	Description	Quantity
1	C01-0250-043	Nylon Lock Nut 1/4-20, Stainless	6
2	C01-0500-030	Whiz Flange Nut 1/2	4
3	C02-0500-010	Lock Washer 1/2	5
4	C03-0500-130	Hex Bolt 1/2 x 3-1/4	4
5	C04-0250-020	Carriage Bolt 1/4 x 5/8	6
6	9340-1	Tube Hitch	1
7	9347-10	Deflector Plate	2
8	9347-3	Plate Hitch Support	2
9	9347-9	Bracket Deflector Mount	1

9347-H Hardware Box



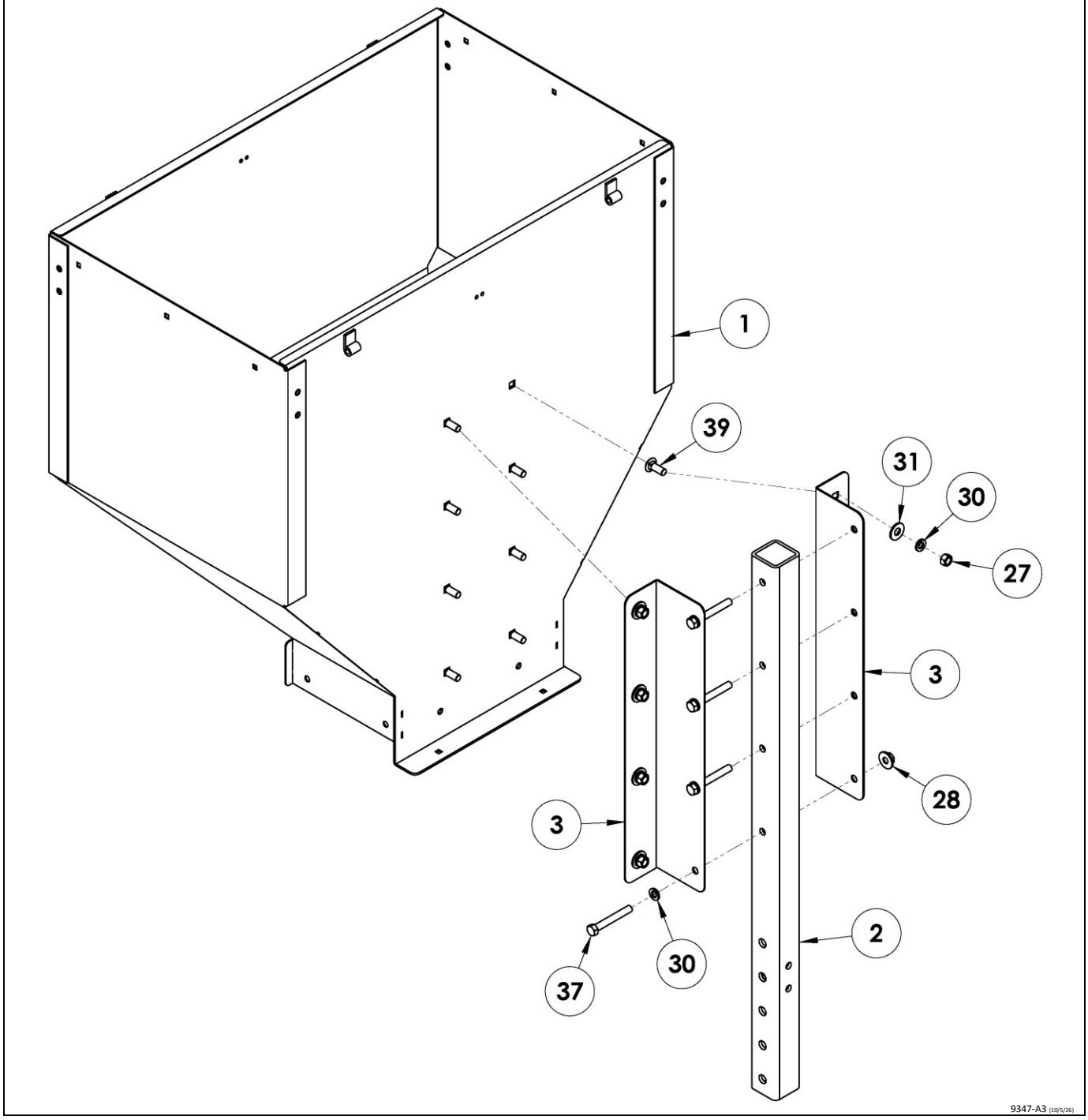
9340-E Electrical Box Containing the Following:
Note: Ring Terminal and Butt Splices are shipped in a small plastic bag.



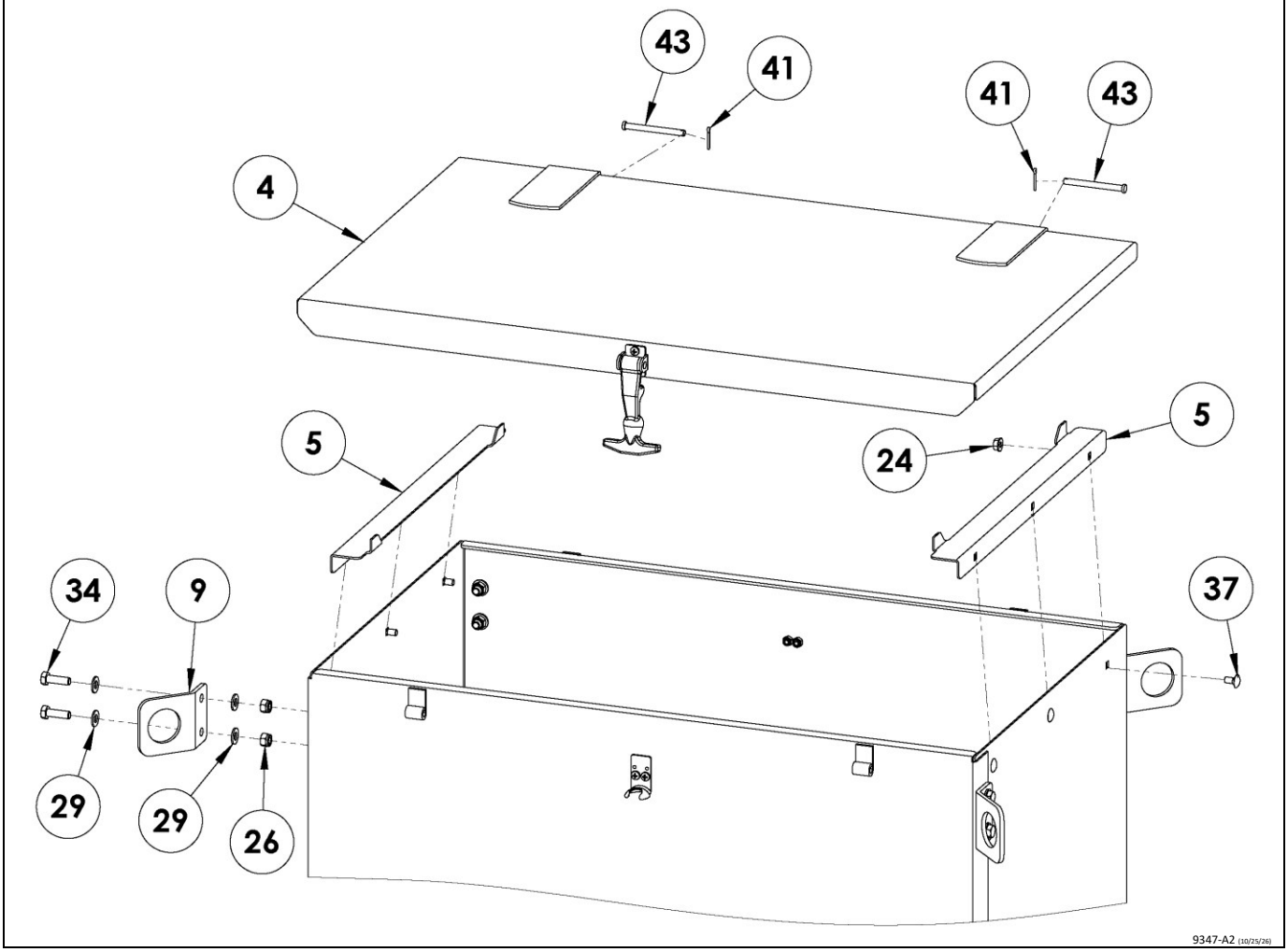
9347 Hopper Parts Break Down:

Item Number	Part Number	Description	Quantity
1	9347-1	Hopper	1
2	9347-2	Tube Post	1
3	9347-4	Bracket Hopper Mount	2
4	9347-5	Cover	1
5	9347-6	Bracket Spill Guard Stop	2
6	9347-7	Bracket Mount	1
7	9347-8	Bracket Mount Motor	1
8	9347-11	Spacer Corner	4
9	9347-12	Lifting Lug	4
10	9340-8	Shaft Connector	1
11	9340-9	Connector Coupler w/Stop	1
12	9340-12	Spinner Plate	1
13	9340-13	Insert Tray	1
14	9340-14	Bottom Support Plate	1
15	9340-15	Insert Tube	1
16	9340-20	Bushing	1
17	9340-22	Feeder	1
18	9340-23	Rod Agitator	1
19	9343-6	Wire Motor	1
20	L01-0012-225	Motor 12-Volt Spinner	1
21	M05-0000-004	Rubber Latch w/ Keeper	1
22	C01-0187-030	Whiz Flange Nut 3/16-24	2
23	C01-0187-043	Nylon Lock Nut 3/16-24	4
24	C01-0250-032	Whiz Flange Nut 1/4	6
25	C01-0250-043	Nylon Lock Nut 1/4 Stainless	2
26	C01-0312-041	Nylon Lock Nut 5/16 Stainless	8
27	C01-0375-010	Hex Nut 3/8	8
28	C01-0375-030	Whiz Flange Nut 3/8	14
29	C02-0312-021	Washer Stainless 5/16	28
30	C02-0375-010	Lock Washer 3/8	22
31	C02-0375-030	Wrought Washer 3/8	12
32	C03-0250-065	Hex Bolt 1/4 x 1-1/2 Stainless	1
33	C03-0250-105	Hex Bolt 1/4 x 2-1/2 Stainless	1
34	C03-0312-045	Hex Bolt 5/16 x 1 Stainless	16
35	C03-0312-034	Hex Bolt 5/16 x 3/4 Stainless	4
36	C03-0375-041	Hex Bolt 3/8 x 1	8
37	C03-0375-111	Hex Bolt 3/8 x 2-3/4	6
38	C04-0250-020	Carriage Bolt 1/4 x 5/8	6
39	C04-0375-040	Carriage Bolt 3/8 x 1	8
40	C07-0187-020	Screw #10-24 x 3/8	6
41	C20-0093-020	Cotter Pin 3/32 x 3/4	2
42	C20-0125-010	Cotter Pin 1/8 x 1/2 Stainless	2
43	C22-0250-200	Clevis Pin 1/4 x 2-5/8	2

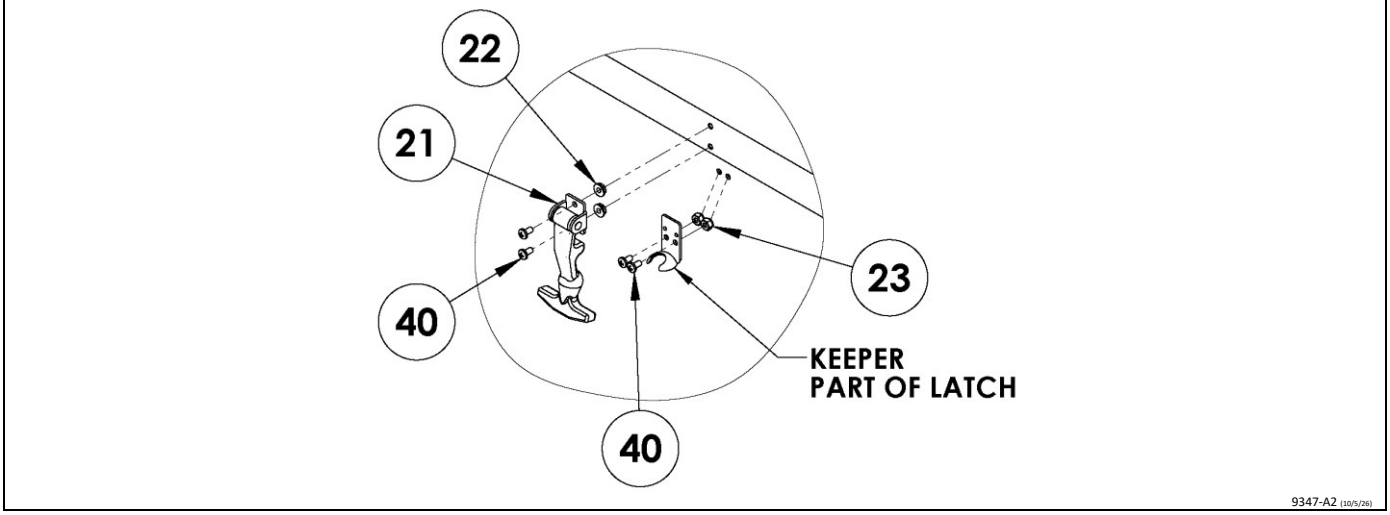
Parts Break Down



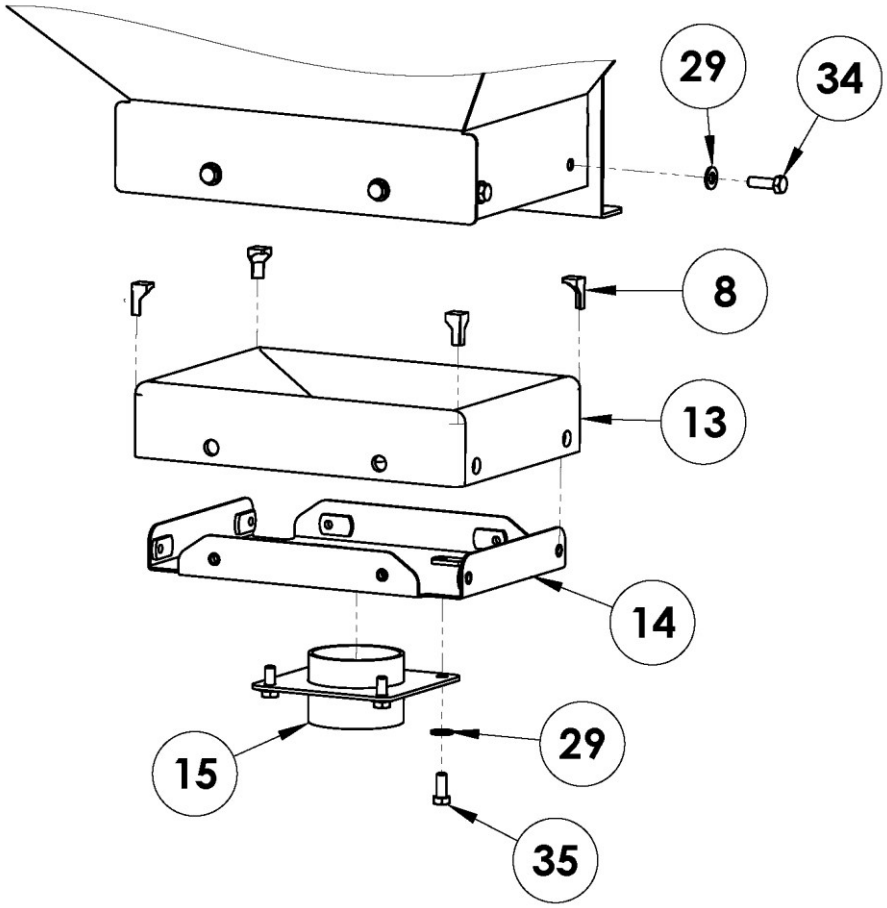
Parts Break Down



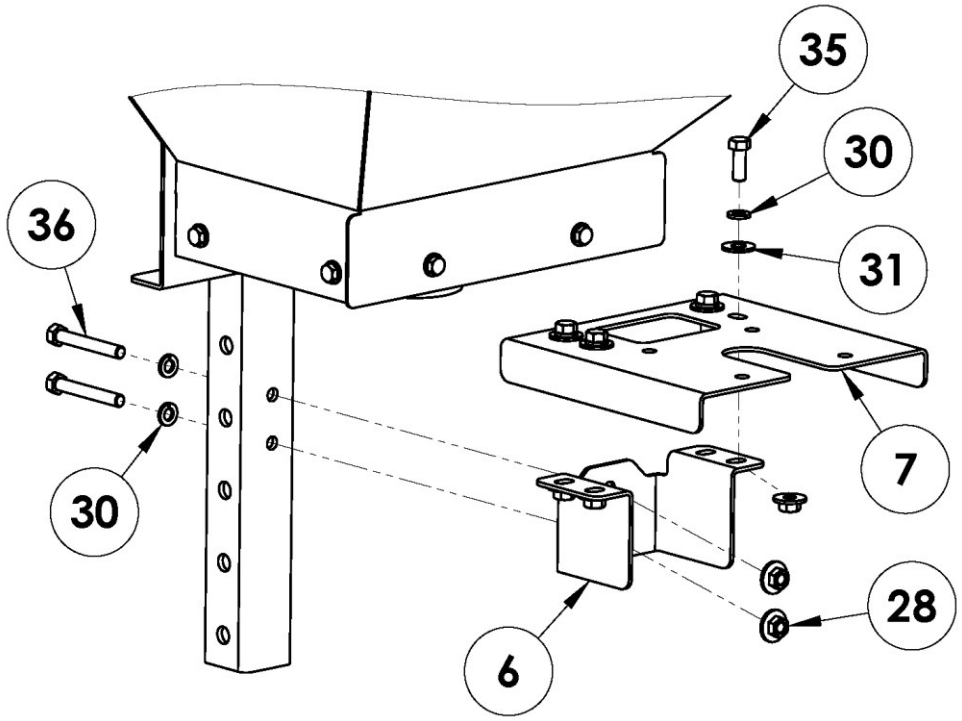
Parts Break Down



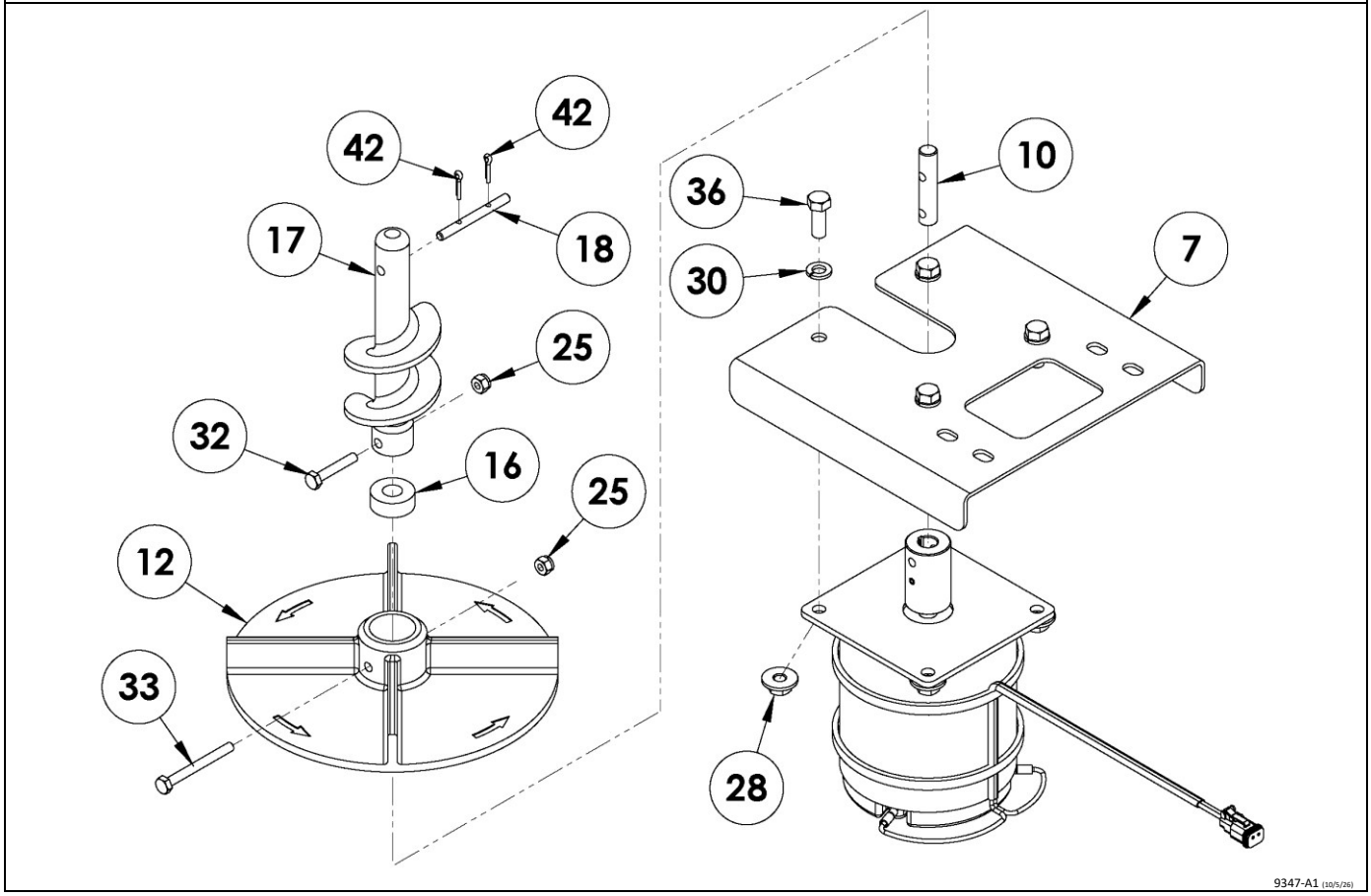
Parts Break Down

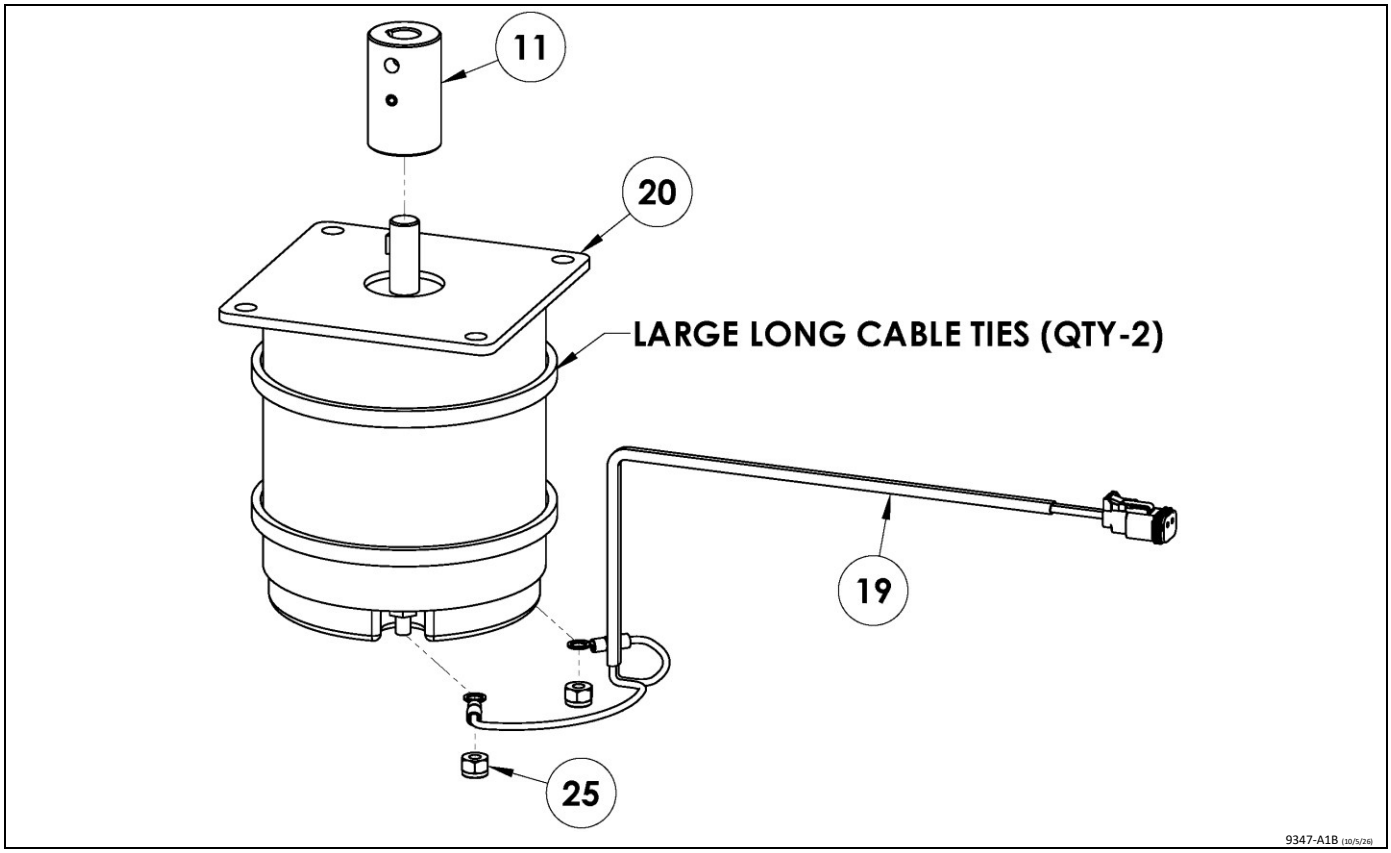


Parts Break Down

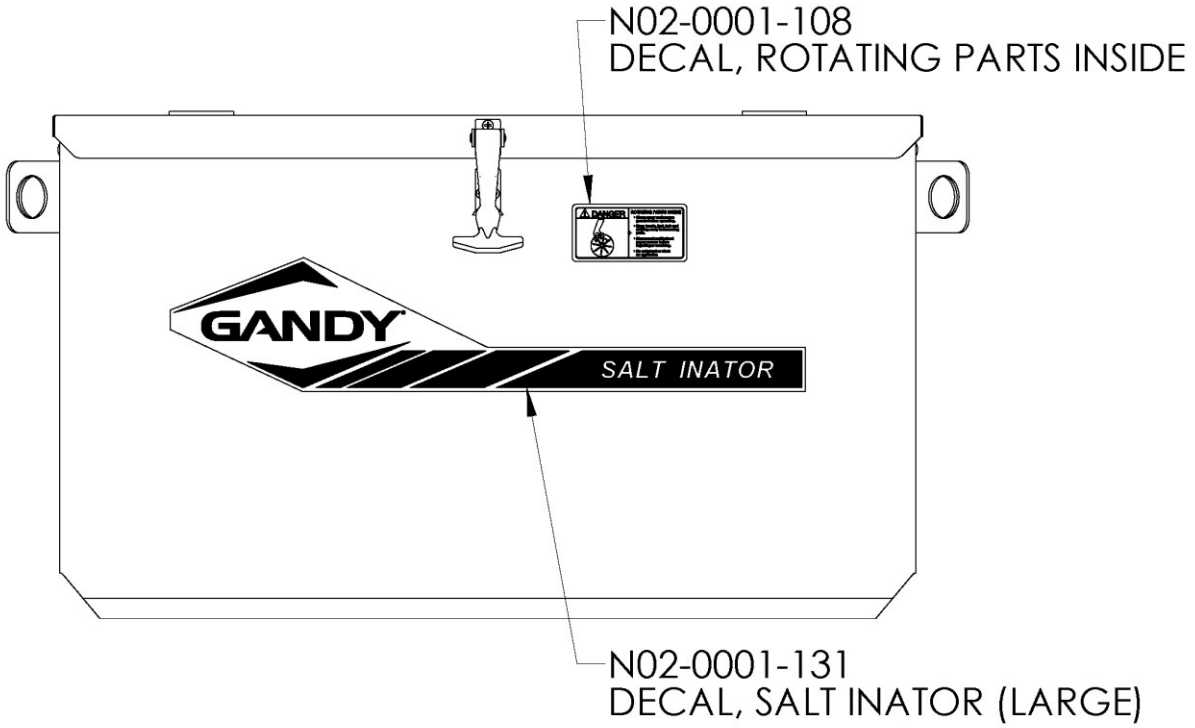


Parts Break Down



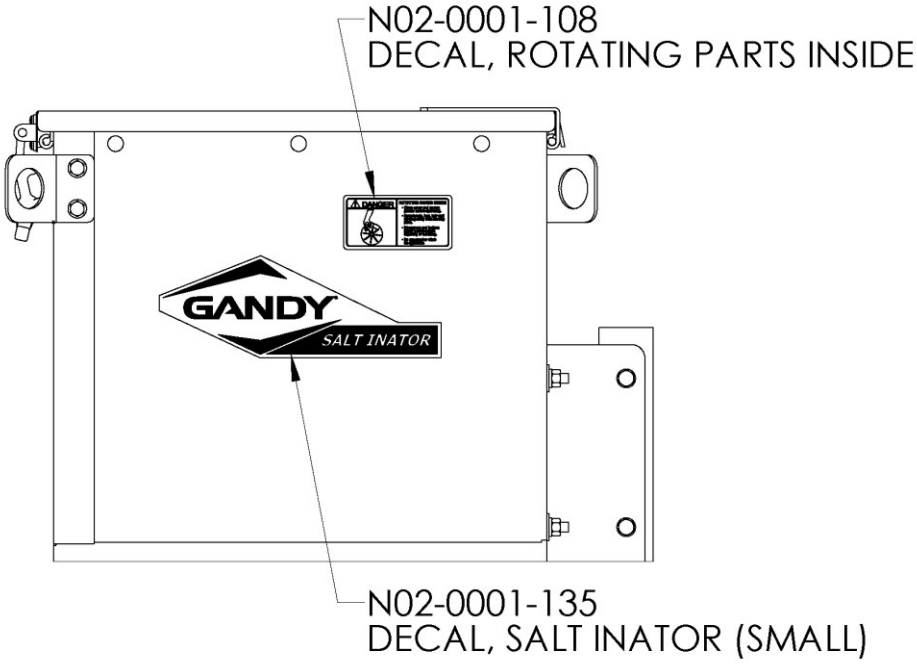


Decal Location (Front View)



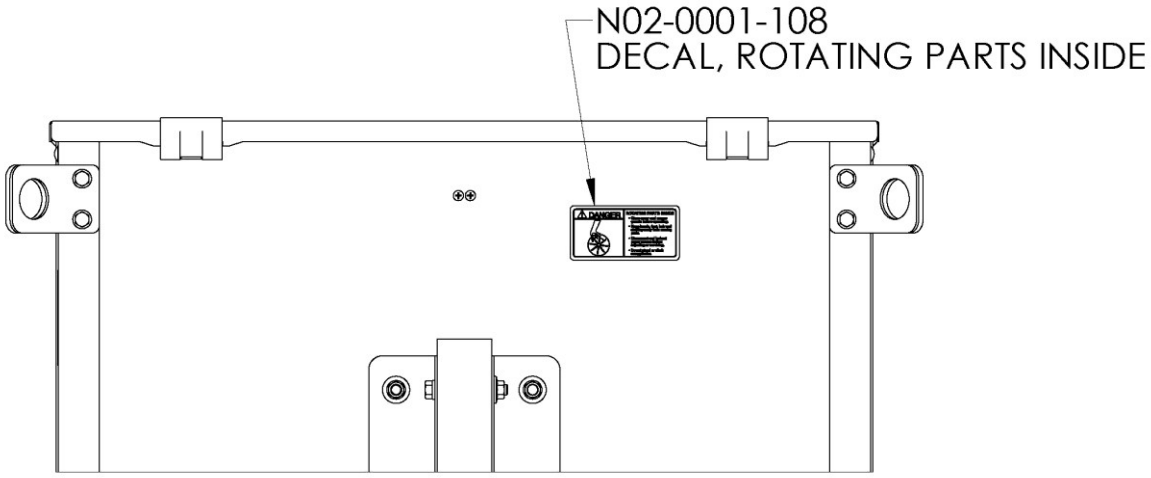
9347-B3 (10/5/26)

Decal Location (Side View) Decals on Both Sides



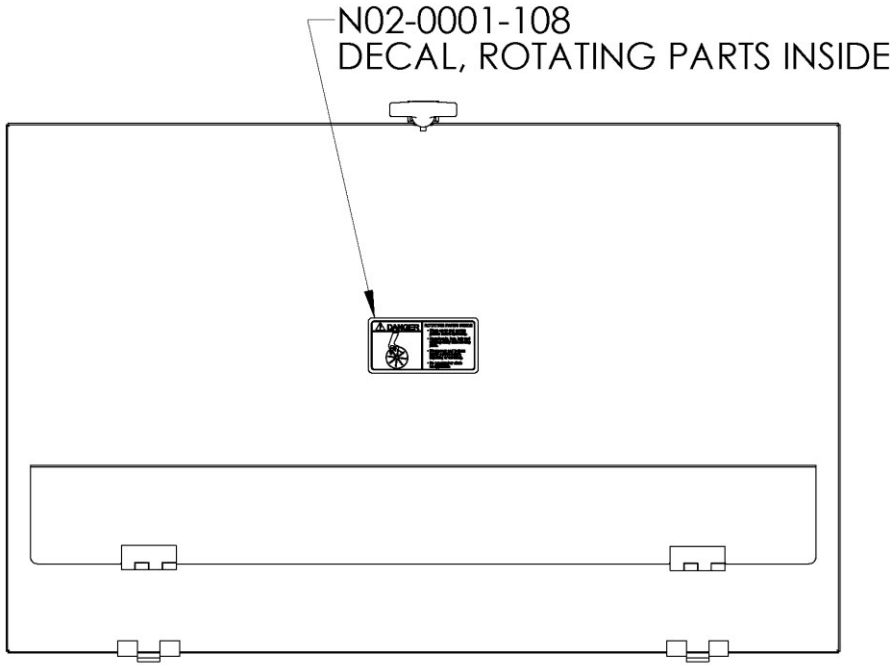
9347-B3 (10/5/26)

Decal Location (Back Side)



9347-B3 (10/5/26)

Decal Location (Inside Cover)



9347-B3 (10/5/26)

Assembly Instructions

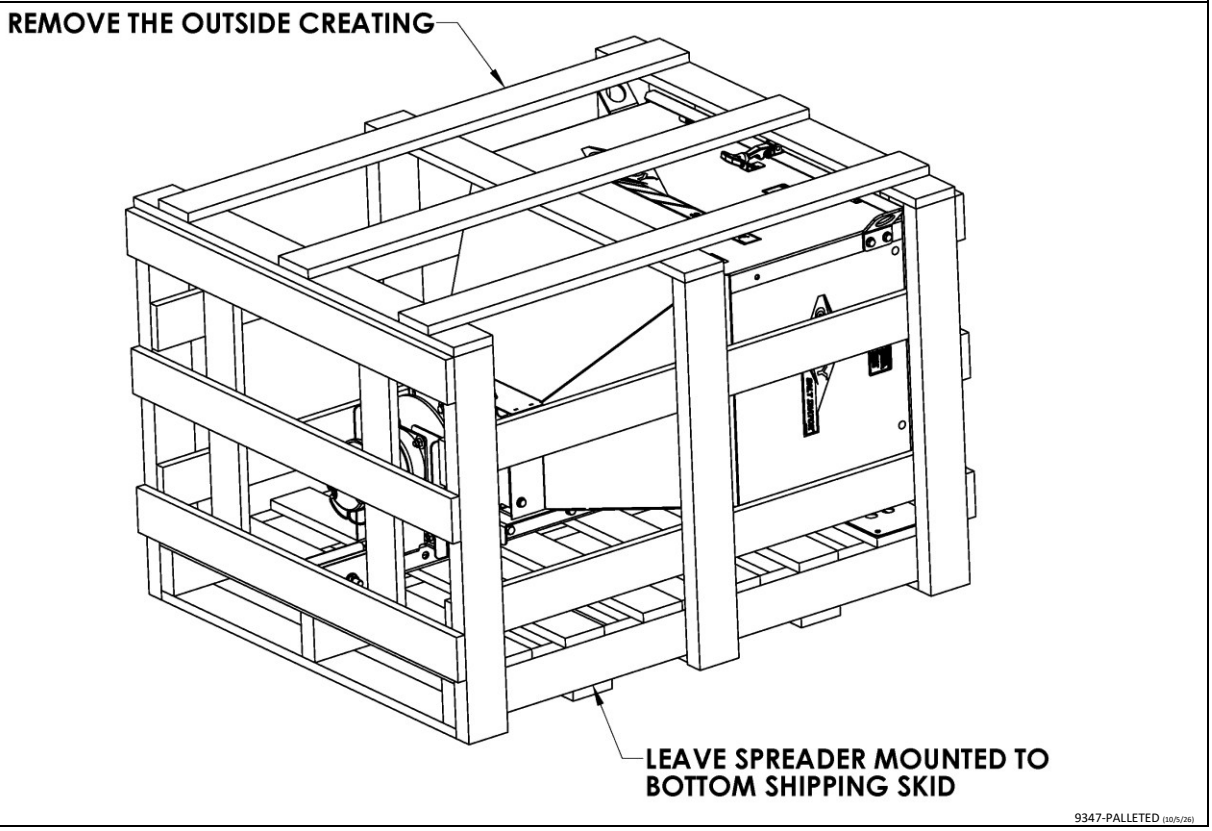
Required Tools (Minimum):

The following tools are the minimum needed for assembly.

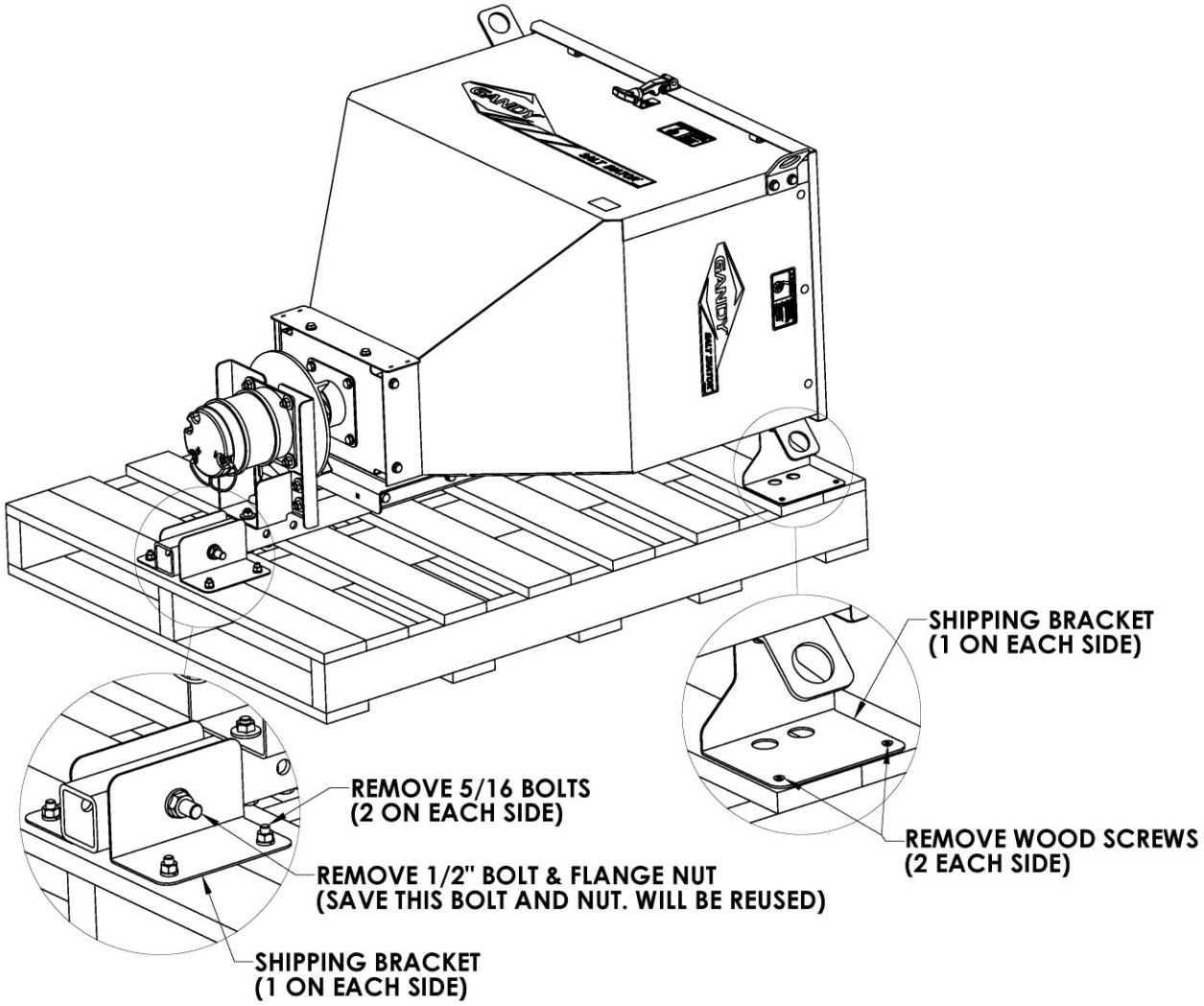
- ..... 7/16” Box End Wrench (Qty-2
- ..... 1/2" Box End Wrench (Qty-2)
- ..... 3/4” Box End Wrench (Qty-2)
- ..... Screw Driver or Screw Gun w/Square Drive Bit (For Wood Screws)
- ..... Wire Cutters
- ..... Wire Stripper / Wire Crimper
- ..... Bag of Ty-Raps (supplied by end user)
- ..... Claw Hamer
- ..... Prybar
- ..... Optional (Sawzall), Ratch w6” Extension & Same Size Sockets as Listed Above

Step 1:

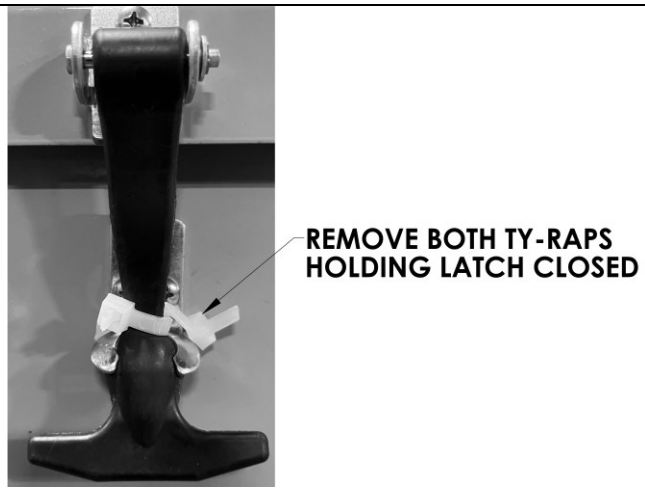
Salt spreader has arrived in a wooden crate. Follow instructions below.
May need to use a Sawzall and or prybar to remove outside creating.



Step 2:
Remove hardware shown below.



Step 3:
Using the wire cutter remove both ty-raps holding the latch closed.



Step 4 - Before Assembly:

1. Open cover on spreader and remove both the 9347-H (Hardware Box) & the 9340-E (Electric Box) and packaging foam.
2. Open both cartons and verify all parts against the lists on pages 4 and 5 to ensure nothing is missing.
3. Remember to keep the 1/2” bolt & 1/2” flange nut from last step as they will be used in the next steps.
4. If any parts are missing, contact **Gandy Company** before beginning assembly.

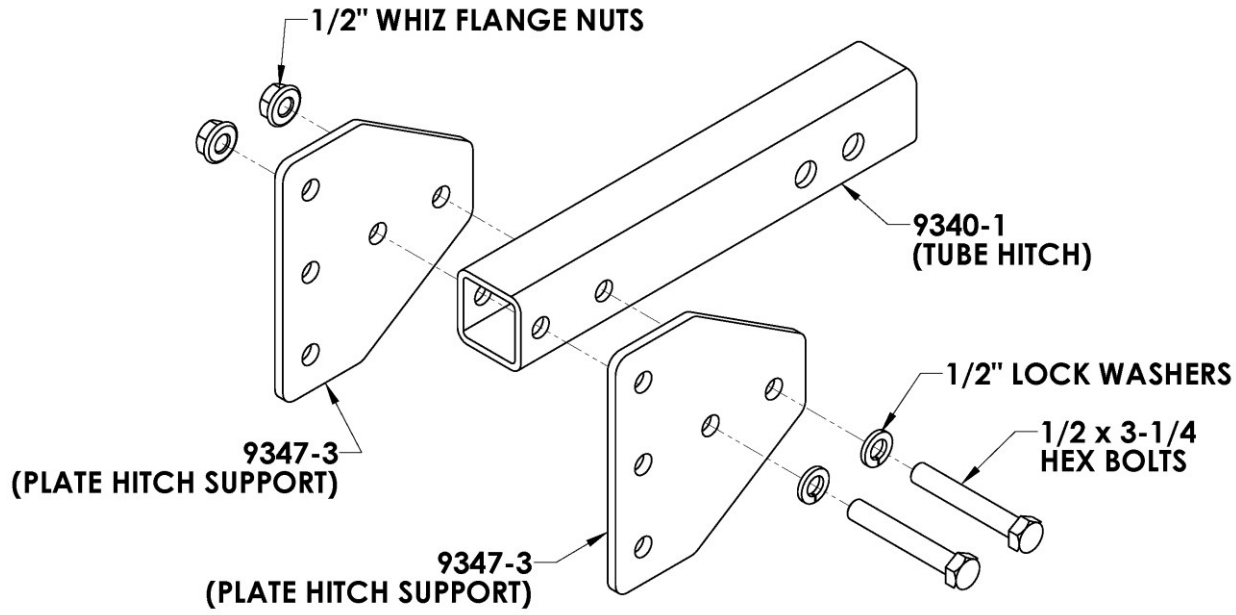
*Call a customer sales representative if you need assistance. (800) 443-2476

Step 5

1. Gather the following components as shown in the diagram: Parts Located in 9347-H Hardware Box.
   - (1) Part #**9340-1 (Tube Hitch)**
   - (2) Part #**9347-3 (Plate Hitch Support)**
   - (2) Hex Bolt, 1/2" × 3-1/4"
   - (2) Lock Washer, 1/2"
   - (2) Whiz Flange Nut, 1/2"

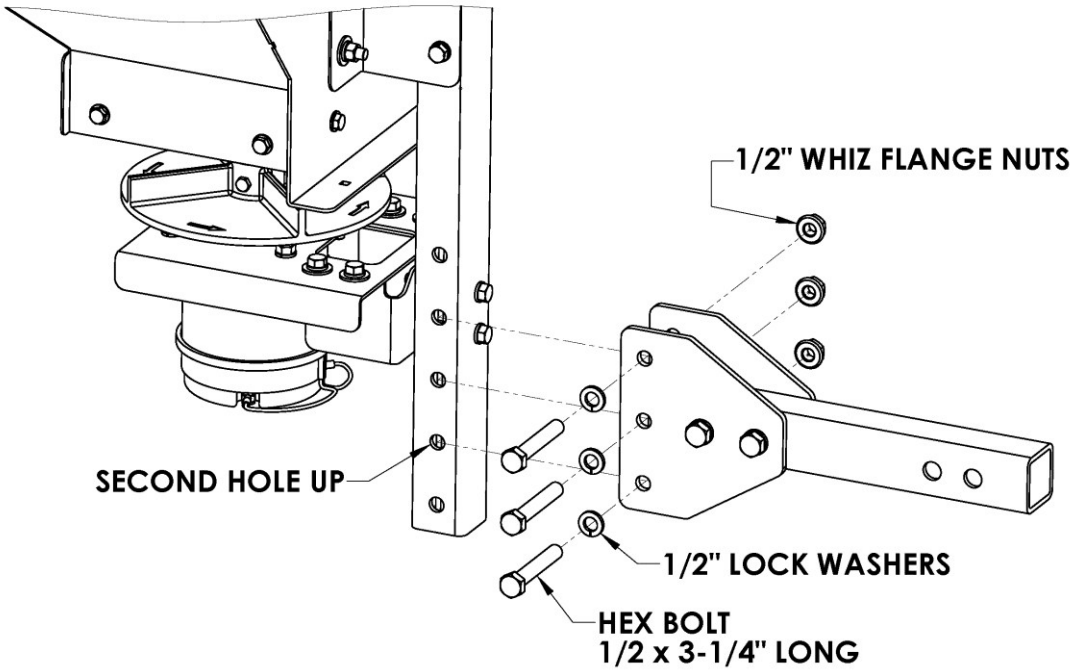
Note: Reuse the 1/2" bolt & 1/2" Whiz Flange nuts that was removed from the shipping bracket.

2. Position the **Plate Hitch Supports** and **Tube Hitch as shown**.
3. Do not tighten, leave hardware loose.



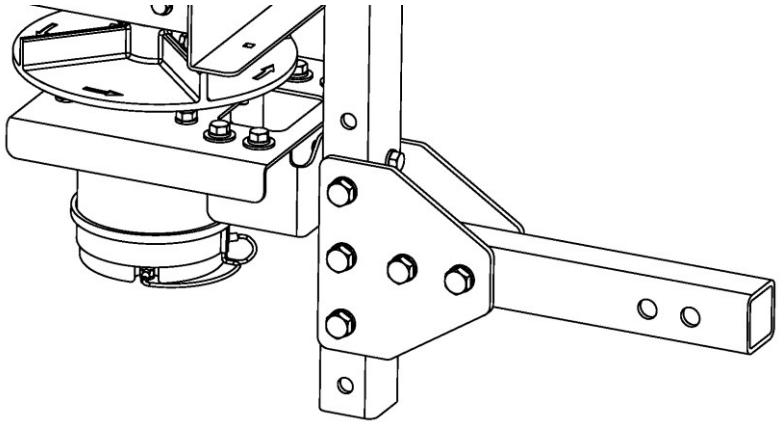
Step 6

1. Locate the following parts: Parts Located in 9347-H Hardware Box.
   - (1) Sub-assembly from Step 2
   - (3) Hex Bolt, 1/2" × 3-1/4"
   - (3) Lock Washer, 1/2"
   - (3) Whiz Flange Nut, 1/2"
2. Attach the parts assembled in step #2 to the long tube as shown using the listed hardware.
   See diagrams below for correct hole placement.
   Note: The hole spacing shown is suitable for 1/2-ton trucks. For 3/4-ton or 1-ton trucks, you may need to drop down one hole.
3. Tighten all 1/2” bolt securely



9347-B2 (10/5/26)

Installed View



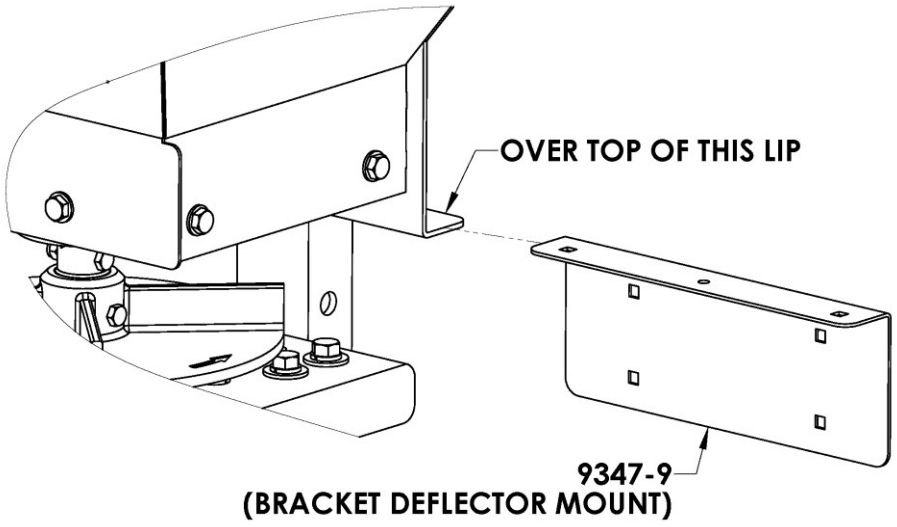
9347-B2 (10/5/26)

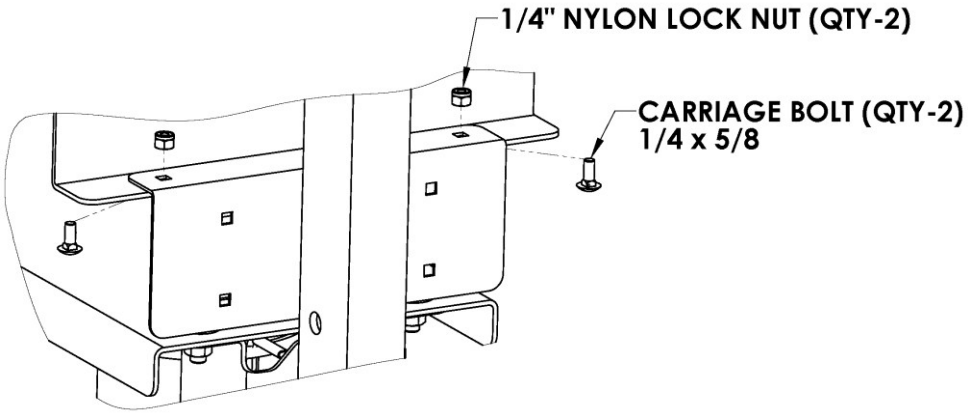
Step 7 – Install to 2” Receiver Hitch.

1. Using the Lifting Lugs (attached to the Salt Inator) and lifting straps use some kind of lifting host to lift unit and install into a 2” receiver hitch. Or get 2 to 3 extra people to lift and install unit.
2. Secure in place using a 5/8” hitch pin & locking pin.

Step 8

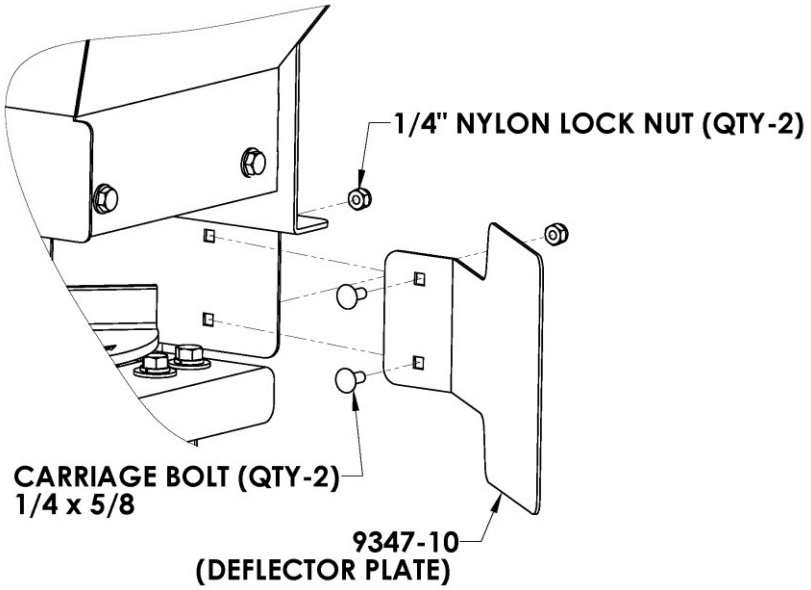
1. Locate the following parts: Parts Located in 9347-H Hardware Box.
   - (1) Part #**9347-9** (**Bracket Deflector Mount**)
   - (2) Carriage Bolt, 1/4" × 5/8"
   - (2) Nylon Lock Nut, 1/4"
2. Position the Deflector Mount over the top of the plate as shown in the diagram.
3. Insert the two 1/4" × 5/8" carriage bolts through the aligned holes.
4. Install the two 1/4" nylon lock nuts onto the carriage bolts.
5. **Tighten both fasteners securely**.





Step 9

1. Locate the following parts:
   - (2) Part #9347-10 (Deflector Plates)
   - (4) Carriage Bolt, 1/4" × 5/8"
   - (4) Nylon Lock Nut, 1/4"
2. Position the first Deflector Plate (Part #**9347-10**) against the Bracket Deflector Mount (Part #**9347-9**) installed in the previous step.
3. Insert two 1/4" × 5/8" carriage bolts through the aligned holes and secure with two 1/4" nylon lock nuts.
4. T**ighten both nuts securely**.
5. Repeat the process on the opposite side with the second Deflector Plate using the remaining two carriage bolts and lock nuts.
6. **Tighten both nuts securely**.



9347-B2 (10/5/26)

Step 10

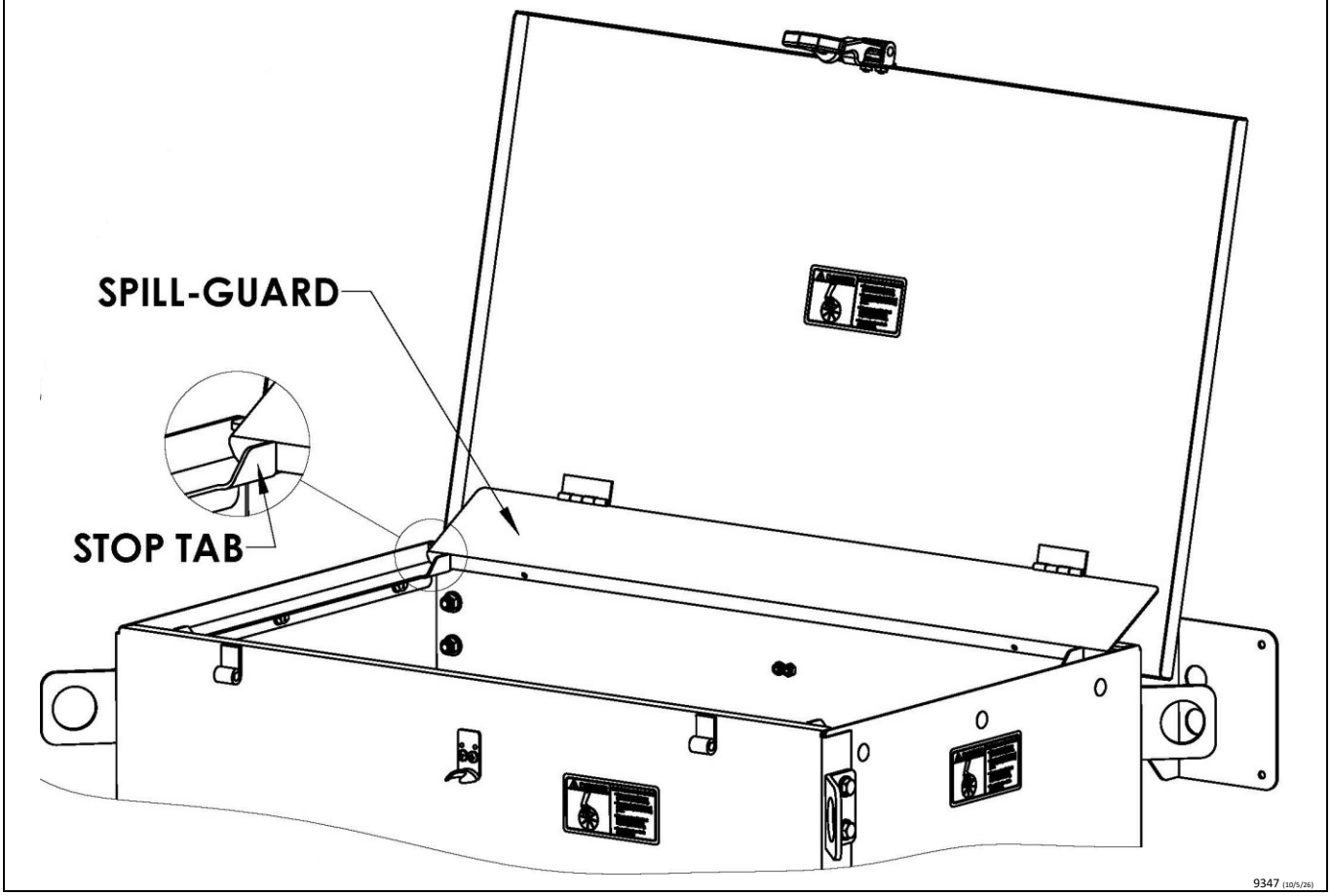
1. With unit attached to a parent vehicle fully open the cover. With the cover fully open swing the Spill-Guard behind the stop tab (one each side).
   Note: May have to push on the cover to get spill-guard behind stop tabs.

The spill-guard services two purposes.

- Keeps the cover from blowing shut on you or your hands.
- Helps reduce spillage when filling the spreader.
  It will direct most of the material back into the spreader if you miss when filling.

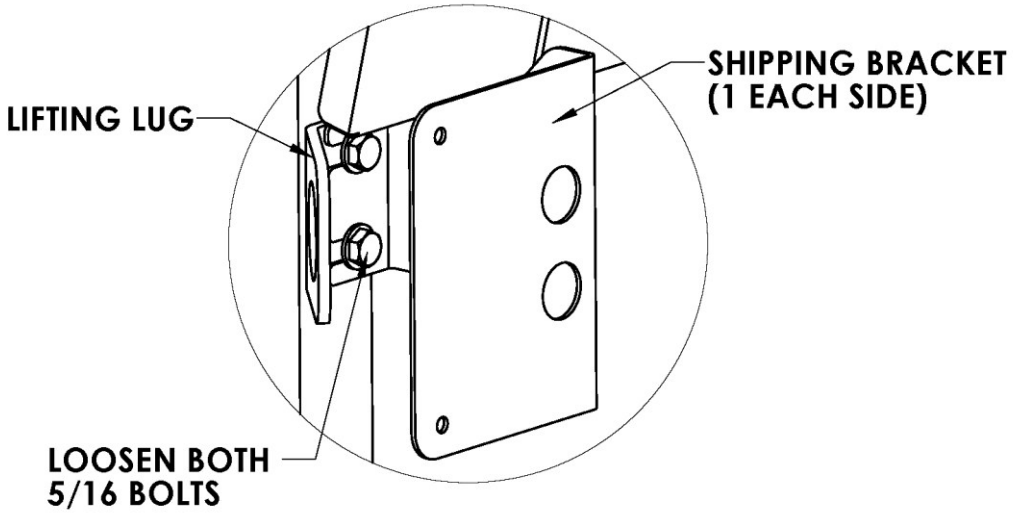
To close cover, lift up the spill-guard and swing cover closed.

Also note:
The cover is reversible. There are hinges on both sides of the spreader.
Just remove the pins on the hinge side and turn cover to the latch side and reinstall cover pins.
Then move the keeper to the back side on the spreader and then reinstall screws.



Step 11

Remove the shipping brackets from the spreader.
Using two 1/2" wrenches loosen both the 5/16 bolt shown. Then slide the shipping bracket off the lifting lug.
Securely retighten the two 5/16 bolts.
Repeat this step for the other side shipping bracket.
Note: Can also use a 1/2" socket and 6” extension on a ratchet or impact.
Put socket and extension through large holes on shipping bracket and then loosen bolts.
Note: None of the shipping bracket will be reused.



Wiring Instructions

Reference:

- **See page 6 for contents of the 9340-E Electrical Carton.**
- **See following page for wiring diagram.**

****Important: Read all instructions completely before beginning wiring.**

Step 1 – Prepare Controller Mount

- Choose a convenient in-cab location for the Controller.
- The Controller has mounting holes in the adjustable strap for dash mounting.
- The strap is removable/reversible: unscrew the plastic thumb nuts, flip the strap, and re-install on the bottom of the Controller if desired.
- **Do not permanently mount the Controller until all wires are routed**.

Step 2 – Install Power & Ground Wire (Part #9343-6)

- This wire includes a self-resetting 20-AMP Circuit Breaker with cover on the RED (+) power wire.
- Connect directly to a 12-Volt source (battery, auxiliary terminals, or as specified in the vehicle operator's manual).
- Route the Power & Ground Wire from the 12-Volt source around the engine compartment, avoiding hot or moving parts.
- Use ty-raps as needed to secure the wire before proceeding.

Step 3 – Route Controller Power Wires

- Locate:
  - Wire, Power to Controller (Part #**9343-8**), **12-ft, Female End**
  - Wire, Power from Controller (Part #**9343-9**), **9-ft, Male End**
- Route both wires through the vehicle firewall into the engine compartment.
  - Connectors must remain inside the cab for Controller hookup.
- If no access holes exist, carefully drill through the firewall. Double-check to avoid damaging wires, tubing, or cooling components.
- Route Part #**9343-8** (**12-ft, Female End**) from cab through firewall toward the Power & Ground Wire (Step 2). **Do not connect yet**.
- Route Part #**9343-9** (**9-ft, Male End**) from cab through firewall and leave positioned high in the engine compartment for later connections.

Step 4 – Connect Wires to Controller

- Plug both wires (from Step 3) into the Controller.
- Leave enough slack in the cab to allow mounting and adjustment of the Controller later.

Step 5 – Route Power to Spinner Wire

- Locate Wire, Power to Spinner (Part #**9343-10**), **24-ft, Male End**.
- Route from rear of vehicle (spreader mounting location) under/through vehicle along frame, avoiding suspension, moving parts, and exhaust components.
- Connect plug on wire to plug on spreader.
- Remove locking pin and rotate spreader down to confirm enough slack remains in wires to prevent pulling or damage.
- Secure wire under vehicle with ty-raps.

Step 6 – Connect Spinner Wire to Controller Output

- Connect Wire from under vehicle (Step 5) to Power Out Wire from Controller (Part **#9343-9), 9-ft**.
- Use two Blue Butt Splices: connect black wires together, red wires together.
- If excess wire, trim to length but leave slack.
- Heat-shrink butt splices with heat gun or safe heat source. If unavailable, wrap with electrical tape.
- Secure wires with ty-raps.

Step 7 – Connect Controller Power to Power & Ground Wire

- Disconnect Power & Ground Wire from 12-Volt source before making connections.
- Connect black wires together using one Blue Butt Splice.
- Install Small Ring Terminal on RED wire.
- Heat-shrink butt splice and ring terminal, or tape if no heat source available.
- Connect RED wire to open stud on Circuit Breaker and tighten securely.
- Install plastic cap over Circuit Breaker studs.
- Reconnect Power & Ground Wire to 12-Volt source.
- Secure wires with ty-raps.

Note: The 20-AMP Circuit Breaker is self-resetting. If motor stops, turn off main power switch on Controller. Breaker will reset after cooling (may take up to a minute).

Step 8 – Finalize Wiring and Test

- Rotate spreader back to upright position and secure with locking pin.
- Secure all wires with ty-raps.
- Turn Controller knob 1/4 turn up and switch power ON.
- Verify spinner plate rotates in direction indicated by arrows.

Wiring Diagram

