

# Tailgate Material Spreader

Operation and Maintenance Manual



Register your  
**WARRANTY**  
within 30 days  
of purchase



888-376-7027 | BlueDiamondAttachments.com



BD-092

# Introduction: Owner Information

Thank you for your decision to purchase a Blue Diamond® Tailgate Material Spreader. To ensure maximum performance of your equipment, it is mandatory that you thoroughly study the Operator's manual and follow the recommendations. Proper operation and maintenance are essential to maximize equipment life and prevent personal injury.

Operate and maintain this equipment in a safe manner and in accordance with all applicable local, state, and federal codes, regulations and /or laws. Follow all on-product labeling and instructions.

Make sure that all personnel have read this Operator's Manual and thoroughly understand safe and correct operating, installation and maintenance procedures.

Blue Diamond is continually working to improve its products. Blue Diamond reserves the right to make any improvements or changes as deemed practical and possible without incurring any responsibility or obligation to make any changes or additions to equipment sold previously.

Although great care has been taken to ensure the accuracy of this publication, Blue Diamond makes no warranty or guarantee of any kind, written or expressed, implied or otherwise with regard to the information contained within this manual. Blue Diamond assumes no responsibility for any errors that may appear in this manual and shall not be liable under any circumstances for incidental, consequential or punitive damages in connection with, or arising from the use of this manual.

Keep this manual available for frequent reference. All new operators or owners must review the manual before using the equipment and annually thereafter. Contact your Blue Diamond Attachments Dealer for assistance, information, or additional copies of the manual. Contact [www.bluediamondattachments.com](http://www.bluediamondattachments.com) or call 888-376-7027 for a complete list of dealers in your area.

## Serial Number Location:

Please record attachment information in the space provided for future reference.



Model Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Dealer Name: \_\_\_\_\_

Dealer Number: \_\_\_\_\_

Date of Purchase: \_\_\_\_\_

The serial number plate is located on the back of the attachment above the hitch.

Always use your serial number when requesting information or when ordering parts.

**NOTE:** The directions left, right, front and rear, as mentioned throughout this manual, are as viewed from the operator's position.

# Table of Contents

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1. Introduction.....	4
1.1 Attachment Identification .....	4
1.2 Attachment Model Numbers .....	4
2. Safety .....	5-7
2.1 General Safety Information.....	5
2.2 Safety Guidelines.....	5
3. Operation .....	8-11
3.1 Loading.....	8
3.2 Mounting the Spreader .....	9
3.3 Vibrator Kit Installation .....	10
3.4 Driving & Spreading on Snow & Ice.....	11
3.5 Operating Safely .....	11
3.6 Operating the Spreader .....	12
4. Maintenance.....	13-14
4.1 Daily Maintenance .....	13
4.2 Seasonal Maintenance .....	13
4.3 Troubleshooting .....	14
5. Parts.....	15-19
5.1 Hopper & Frame Assembly.....	15
5.2 Drive Assembly .....	17
5.3 Control / Wiring Diagram .....	19
5.4 Vibrator Kit Parts Breakdown.....	20
6. Specifications .....	21
6.1 Torque Specifications.....	21
7. Warranty .....	23

# 1. Introduction

## 1.1 Attachment Identification



## 1.2 Attachment Model Numbers

TAILGATE MATERIAL SPREADER	MODEL NUMBER
Spreader	101055
2" Receiver Kit	101060
Skid Steer Mount	112010
Vibrator Kit	101065

## 2. Safety

### 2.1 General Safety Information



This **SAFETY ALERT SYMBOL** identifies important safety messages on the equipment and in the owner's manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.



The signal word **IMPORTANT** identifies procedures which must be followed to avoid damage to the machine.



The signal word **DANGER** on the machine and in the manuals indicates a hazardous situation which, if not avoided, will result in death or serious injury.



The signal word **WARNING** on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



The signal word **CAUTION** on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

**NOTE:** Notes are used to indicate important information. This information may be repeated in other areas of the manual.

### 2.2 Safety Guidelines

#### Safety Precautions

Improper installation and operation could cause personal injury and/or equipment and property damage. Read and understand labels and the Owner's Manual before installing, operating, or making adjustments.



The following warnings indicate potentially hazardous situations that must be followed to avoid death or serious injury.

- Driver must keep bystanders a minimum of 25 feet away from the spreader while in operation.
- Before working with the spreader, secure all loose-fitting clothing and unrestrained hair.
- Before operating the spreader, verify that all safety guards are in place.
- Before servicing the spreader, wait for the conveyor, auger, and spinner to fully stop.
- Do not climb into or ride on the spreader. Do not allow any persons to climb into or ride on the spreader while stationary or while in operation.
- Overloading could result in an accident or damage. Do not exceed GVWR or GAWR ratings as found on the driver-side door corner post of the vehicle. See section 3.1 Loading on page 8 to determine maximum volumes of spreading material.
- Do not install the control for this product in the deployment path of an air bag. Refer to vehicle manufacturer's manual for air bag deployment area(s).

## 2. Safety

### 2.2 Safety Guidelines Cont'd

#### Safety Precautions Cont'd



#### CAUTION



The following warnings indicate potentially hazardous situations that must be followed to avoid minor or moderate injury.

- During the hopper spreader installation, we recommend the addition of an OSHA compliant Backup Alarm. This alarm is required for OSHA governed employers.
- If rear directional, CHMSL light, or brake stoplights are obstructed by the spreader, the lights must be relocated or auxiliary directional or brake stoplights shall be installed.
- Do not operate a spreader in need of maintenance.
- Before operating the spreader, reassemble any parts or hardware removed for cleaning or adjusting.
- Before operating the spreader, remove materials such as cleaning rags, brushes, and hand tools from the spreader.
- Before operating the spreader, read the host machine owner's manual, if so equipped.
- While operating the spreader, use auxiliary warning lights, except when prohibited by law.
- Tighten all fasteners according to the Torque Chart found in Section 6.1 Torque Specifications on page 19.
- Disconnect electric and/or hydraulic power and tag out if required before servicing or performing maintenance.
- DO NOT leave unused material in hopper. Material can freeze or solidify, causing unit to not work properly. Empty and clean after each use.

#### Fuses

The electrical system contains several automotive-style fuses. If a problem should occur and fuse replacement is necessary, the replacement fuse must be of the same type and amperage rating as the original. Installing a fuse with a higher rating can damage the system and could start a fire.

#### Personal Safety

- Remove ignition key and put the vehicle in PARK or in gear to prevent others from starting the vehicle during installation or service.
- Wear only snug-fitting clothing while working on your vehicle or spreader.
- Do not wear jewelry or a necktie, and secure long hair.
- Wear safety goggles to protect your eyes from battery acid, gasoline, dirt, and dust.
- Avoid touching hot surfaces such as the engine, radiator, hoses, and exhaust pipes.
- Always have a fire extinguisher rated BC handy, for flammable liquids and electrical fires.

#### Fire and Explosion



#### WARNING



Gasoline is highly flammable and gasoline vapor is explosive. Never smoke while working on vehicle. Keep all open flames away from gasoline tank and lines. Wipe up any spilled gasoline immediately.

Be careful when using gasoline. Do not use gasoline to clean parts. Store only in approved containers away from sources of heat or flame.

#### Cell Phones

A driver's first responsibility is the safe operation of the vehicle. The most important thing you can do to prevent a crash is to avoid distraction and pay attention to the road. Wait until it is safe to operate Mobile Communication Equipment such as cell phones, text messaging devices, pagers, or two-way radios.

## 2. Safety

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### 2.2 Safety Guidelines Cont'd

#### Ventilation



#### WARNING



Vehicle exhaust contains lethal fumes. Breathing these fumes, even in low concentrations, can cause death. Never operate a vehicle in an enclosed area without venting exhaust to the outside.

#### Battery Safety



#### CAUTION



Batteries normally produce explosive gases which can cause personal injury. Therefore, do not allow flames, sparks, or lit tobacco to come near the battery. When charging or working near a battery, always cover your face and protect your eyes, and also provide ventilation.

- Batteries contain sulfuric acid which burns skin, eyes, and clothing.
- Disconnect the battery before removing or replacing any electrical components.

#### Noise

Airborne noise emission during use is below 70 dB(A) for the spreader operator.

#### Vibration

Operating spreader vibration does not exceed 2.5 m/s<sup>2</sup> to the hand-arm or 0.5 m/s<sup>2</sup> to the whole body.

#### Spreader Weight

TAILGATE MATERIAL SPREADER	WT (LB)	Wt (kg)
101055	95	43

## 3. Operation

### 3.1 Loading

This manual covers vehicles which have been recommended for carrying the tailgate material spreader. Please contact your local dealer or Blue Diamond Product Support for proper vehicle applications.

#### Certification



### WARNING



New untitled vehicle installation of a spreader requires National Highway Traffic Safety Administration altered vehicle certification labeling. Installer to verify that struck load of snow or ice control material does not exceed GVWR or GAWR rating label and complies with FMVSS.

#### Approximate Material Weights



### WARNING



Overloading could result in an accident or damage. Do not exceed GVWR or GAWR as found on the driver-side cornerpost of vehicle.



### WARNING



DO NOT overload vehicle. Use chart below to calculate weight of material. Weights of material are an average for dry materials.



### CAUTION



Never use wet materials or materials with foreign debris with any of these spreaders. These units are designed to handle dry, clean, free flowing material.



### CAUTION



Read and adhere to manufacturer's ice-control material package labeling including Safety Data Sheet requirements.

#### Material Weights

MATERIAL	DENSITY		
	lb/ft <sup>3</sup>	lb/yd <sup>3</sup>	kg/m <sup>3</sup>
Salt	80	2160	1282
Sand	100	2700	1602

Material densities are approximate and are based on dry, loose material. It is the responsibility of the operator to know the weight of the material to be spread and the vehicle carrying capacity.

**NOTE:** If spreader and ice control material loading is in doubt, weight vehicle for compliance with vehicle ratings.

### 3.2 Mounting the Spreader



### CAUTION



During removal or mounting, securely grip spreader to avoid dropping.

The spreader shall be installed according to the provided instructions. Your local dealer can assist with installation and can service your spreader with factory original parts.

The Tailgate Material Spreader ships from the factor with the standard 2" receiver hitch. See Figure 1 on page 9 for attaching the receiver hitch to the unit.

#### Mounting to a Truck Hitch

Before installation, confirm that the truck has a 2" receiver.

Remove the hitch pin from the receiver mount on the spreader.

Lift the spreader and insert the receiver mount into the truck receiver hitch.

Insert the hitch pin to secure the spreader.

## 3. Operation

### 3.2 Mounting the Spreader Cont'd

#### Mounting to a Skid Steer

Attach the trailer spotter (part number 112010) onto the skid steer quick-attach plate.

Remove the hitch pin from the receiver mount on the spreader.

Lift the spreader and insert the receiver mount into the trailer spotter.

Insert the hitch pin to secure the spreader.

#### License Plate Installation (if required)

Install the license plate to the mounting holes in the frame using two 1/4" X 1/2" machine screws and two 1/4" locknuts. See Figure 2 for the location.

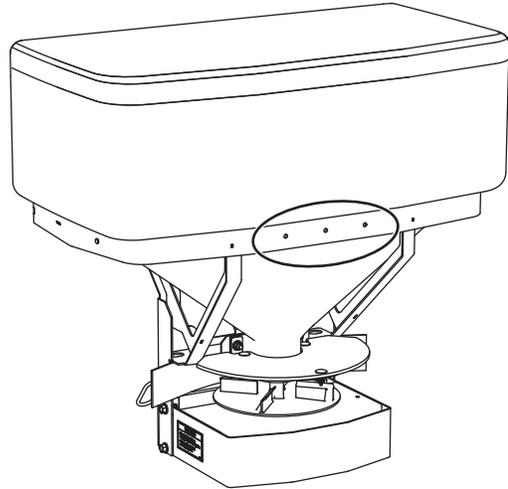


Figure 2

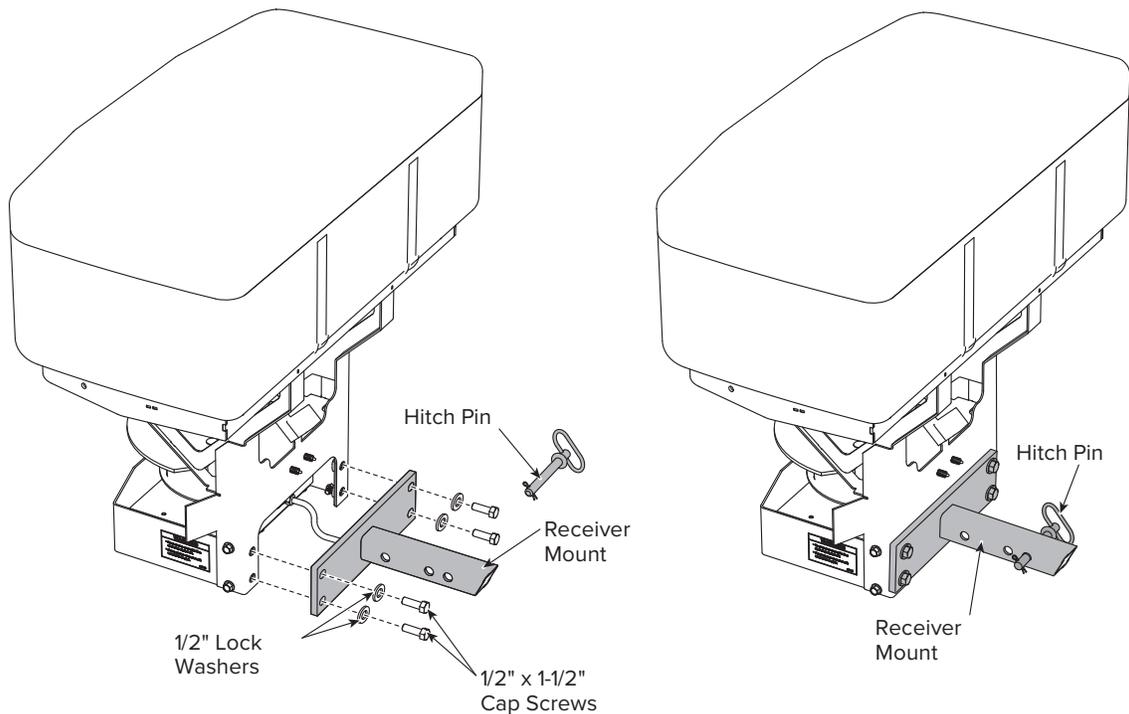


Figure 1

## 3. Operation

### 3.3 Vibrator Kit Installation

1. The Vibrator kit mounts to the rear angled face of the Hopper. It should be centered on this face with the cord pointing downward. With the vibrator in this position, trace the mounting holes onto the hopper. Drill these 4 holes, 3/8" diameter.
2. Mount the vibrator: Backing Plate and bolts inside; Vibrator, washers, and nuts outside; Tighten.
3. Connect the Vehicle Harness to the Vibrator. Work from the rear bumper toward the cab, using cable ties to secure the harness along the way. Stop once you reach the engine bay. Avoid high-temperature and moving components.
4. Route the Battery Harness from the battery to the firewall; secure with cable ties, avoiding high temperature and moving components. Leave room to connect the terminals to the battery later.
5. Mount the switch at the location you desire.
6. Find a way through the firewall, into the cab, and to the switch. Look for where other wires/harnesses pass through the firewall. If a suitable place cannot be located, drill a 1" hole while making sure there is clearance space for the drill bit. (Optional: seal the hole with a heatproof material)
7. Route both harnesses through the firewall to the switch; secure with cable ties as necessary.
8. Cut each harness so that it can easily reach the switch.
9. Strip 3" of outer casing off both harnesses. Strip the ends of the individual wires 1/4".
10. Connect the negative (black) leads with the butt connector, crimp both ends.
11. Crimp a spade connector onto each positive (white) lead. Apply dielectric grease and connect to the switch (be sure to connect to opposing terminals).
12. Connect to the battery.

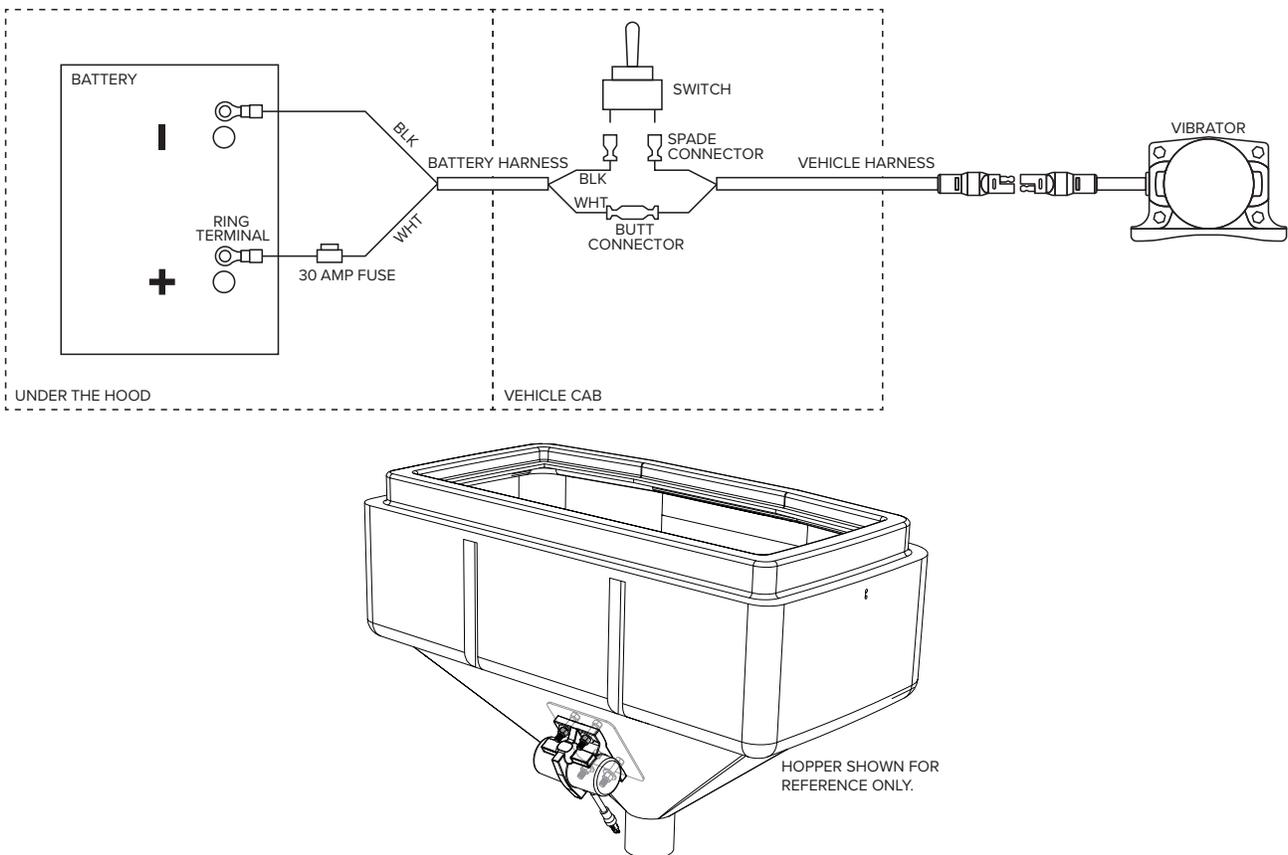


Figure 3

## 3. Operation

### 3.4 Driving & Spreading on Snow & Ice



#### CAUTION



Drinking and then driving or spreading is very dangerous. Your reflexes, perceptions, attentiveness, and judgment can be affected by even a small amount of alcohol. You can have a serious or even fatal collision if you drive after drinking. Please do not drink then drive or spread ice-control materials.

Follow your vehicle owner's manual instructions for driving in snow and ice. Remember, when driving on snow and/or ice, wheels do not get good traction. You cannot accelerate as quickly, turning is more difficult, and you will need longer braking distance. Wet and hard packed snow and/or ice offers the worst tire traction. It is very easy to lose control of the vehicle. You will have difficulty accelerating. If you do get moving, you may have poor steering and difficult braking, which can cause you to slide out of control.

#### Tips for Driving in Snow and Ice

- Drive defensively.
- Do not drink, then drive or spread ice-control materials.
- Spread or drive only when you have good visibility for operating a vehicle.
- If you cannot see well due to snow or icy conditions, you will need to slow down and keep more space between you and other vehicles.
- Slow down, especially on higher-speed roads. Your headlamps can light up only so much road ahead.
- If you are tired, pull off in a safe place and rest.
- The spreader's size and location reduce driver visibility to the rear of the vehicle. We recommend an OSHA compliant backup alarm for all governed employers.
- Keep your windshield and all glass on your vehicle clean to see around you.
- Dress properly for the weather. Wear layers of clothing; as you get warm, you can take off layers.

### 3.5 Operating Safety



#### WARNING



Never operate equipment when under the influence of alcohol, drugs, or medications that might alter your judgment and/or reaction time.



#### WARNING



Never exceed 45 mph (72 km/h) when loaded spreader is attached to the vehicle. Braking distances may be increased and handling characteristics may be impaired at speeds above 45 mph (72 km/h).



#### WARNING



Never allow children to operate or climb on equipment.

## 3. Operation

### 3.6 Operating the Spreader

#### Powering the Control

Power is not applied to the control until the vehicle ignition is turned to ACC or ON.

#### Starting and Stopping Spreader



### WARNING



Before starting the spreader, the driver shall verify that all bystanders are a minimum of 25 feet away from operating spreader.

**To start the spreader,** toggle the ON/OFF switch on the control to the “ON” position.

**To stop the spreader,** toggle the ON/OFF switch on the control to the “OFF” position.

The ON/OFF switch also operates as an emergency stop when required.

**NOTE:** The truck ignition must be ON to start the spreader.

**NOTE:** If truck ignition is turned OFF while spreader is running, the motor will stop.

#### Controlling Material Application

The material application settings can be adjusted while spreader is ON or OFF. When the spreader is ON, knob is turned clockwise / counterclockwise.

The Material Width knob controls spinner speed. Turning the knob clockwise will increase the width of the application area.

Turning the control knob counterclockwise [Figure 4] will decrease the width of the application area.

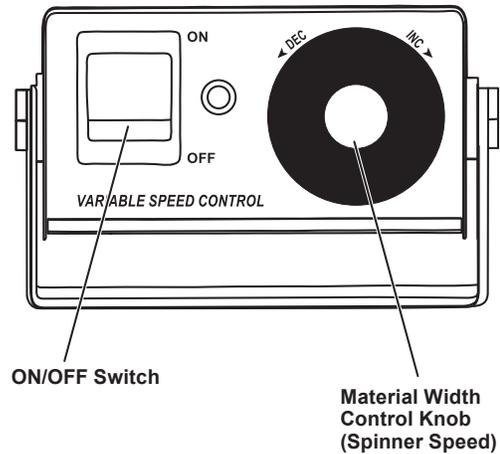


Figure 4

#### Spreading Tips

- Spread ice melters with the storm to prevent unmanageable levels of ice.
- Never exceed 10 mph (16 km/h) when spreading.
- For a wider pass, increase spinner speed.
- For a heavier pass, drive slower.
- Never operate spreader near pedestrians.
- Calculate spread pattern when near vegetation.

**NOTE:** The spinner motor is not designed for continuous duty. Allow the motor to cool between long cycle times.

## 4. Maintenance



### WARNING



Never remove the spreader with material in the hopper.



### CAUTION



Disconnect electric power at spreader electrical wiring harness connection and tag out if required before servicing or performing maintenance.



### CAUTION



- When replacing parts, use only original manufacturer's parts. Failure to do so will void warranty.
- The control is not serviceable. Any attempt to service will void warranty.
- There are no serviceable parts in the motor/transmission assembly. Any attempt to service will void warranty.
- When pressure washing motor enclosure area, keep spray at least 36" away from motor enclosures.

### 4.1 Daily Maintenance



### CAUTION



DO NOT leave unused material in the hopper. Material can freeze or solidify, causing unit to not work properly. Empty and clean after each use.

- Wash out the hopper and rinse off all external surfaces.
- Apply dielectric grease on all electrical connections to prevent corrosion.

### 4.2 Seasonal Maintenance

- Wash out the hopper and rinse off all external surfaces.
- Apply dielectric grease on all electrical connections to prevent corrosion.
- Oil or paint all bare metal surfaces.
- If motor cover is removed for any reason, use silicone sealant to ensure weatherproofing of enclosure.

#### Storage

Unplug the cab control from the control harness at the end of the season, or when the spreader is removed from the vehicle. Store the spreader and cab control in a clean, dry location, away from direct sunlight.

## 4. Maintenance

### 4.3 Troubleshooting

Please see your dealer or call Blue Diamond Product Support for service. The troubleshooting reference table below may guide you in diagnosing the issue.

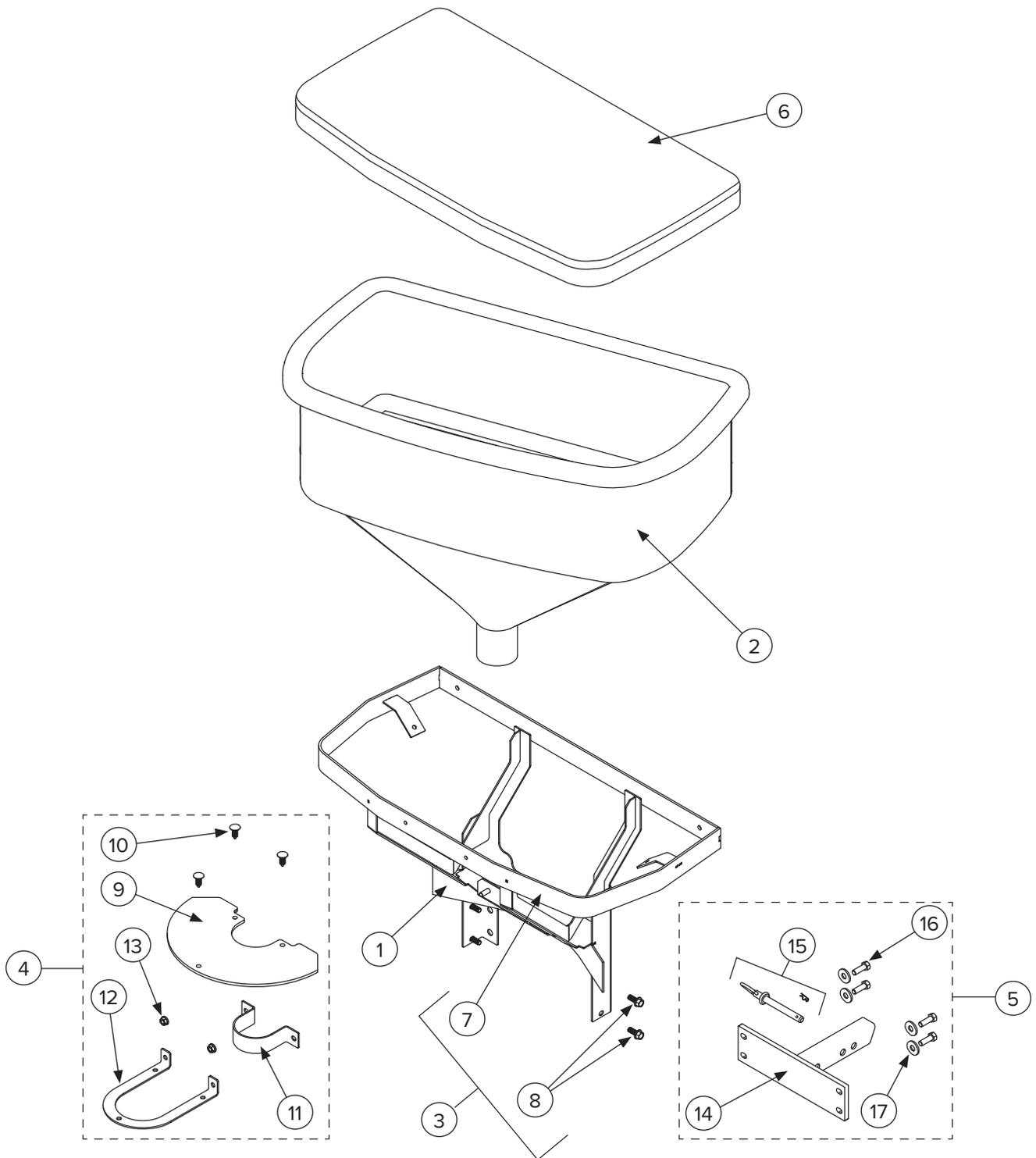
Before servicing the spreader:

- Review all safety information.
- Confirm that all electrical connections are tight and clean.
- Confirm that nothing is jammed in the hopper.

PROBLEM	CAUSE	SOLUTION
No power to cab control. Ignition and control switches ON; control knob indicator lights not illuminated.	Control connector plug is loose.	Check plug connection at cab control.
	Vehicle control harness is damaged.	Repair or replace damaged wires or harness as required.
Cab control shuts down	Unplug the spreader harness and tag out, if required, before performing any of the following repairs.	
	Poor electrical conditions.	Clean or replace connectors.
		Apply dielectric grease.
Electrical short.	Check electrical connections.	
Turning control knob does not change motor speed. Control is powered ON.	Unplug the spreader harness and tag out, if required, before performing any of the following repairs.	
	Malfunctioning cab control.	Replace cab control.
	Malfunctioning motor.	Replace motor.
	Malfunctioning spreader module.	Replace spreader module
Spreader does not operate.	Unplug the spreader harness and tag out, if required, before performing any of the following repairs.	
	Wire harness is damaged or has an open circuit between cab control and spreader.	Check plug connections at cab control and spreader.
		Check wire connections at vehicle battery and fuse.
		Check motor connections.
	Overloaded condition has triggered a time-out, or damaged motor.	Wait 60 seconds for time-out to expire.
Check motor. Repair or replace.		
Motor does not run.	Unplug the spreader harness and tag out, if required, before performing any of the following repairs.	
	Electrical connections are loose.	Open access cover and check motor, harness, and module connections.
	Motor seizes.	Replace motor.
Material does not flow.	Unplug the spreader harness and tag out, if required, before performing any of the following repairs.	
	Obstruction in hopper.	Clear obstruction.
	Material bridged.	Clear the bridged material.
	Material is wet.	Replace with dry material.
	Material is coarse or frozen.	Replace material.
	Spinner does not turn.	Check for material jam and clear.
		Manually turn spinner and check for obstruction.
Check connection inside the motor enclosure.		

## 5. Parts

### 5.1 Hopper & Frame Assembly



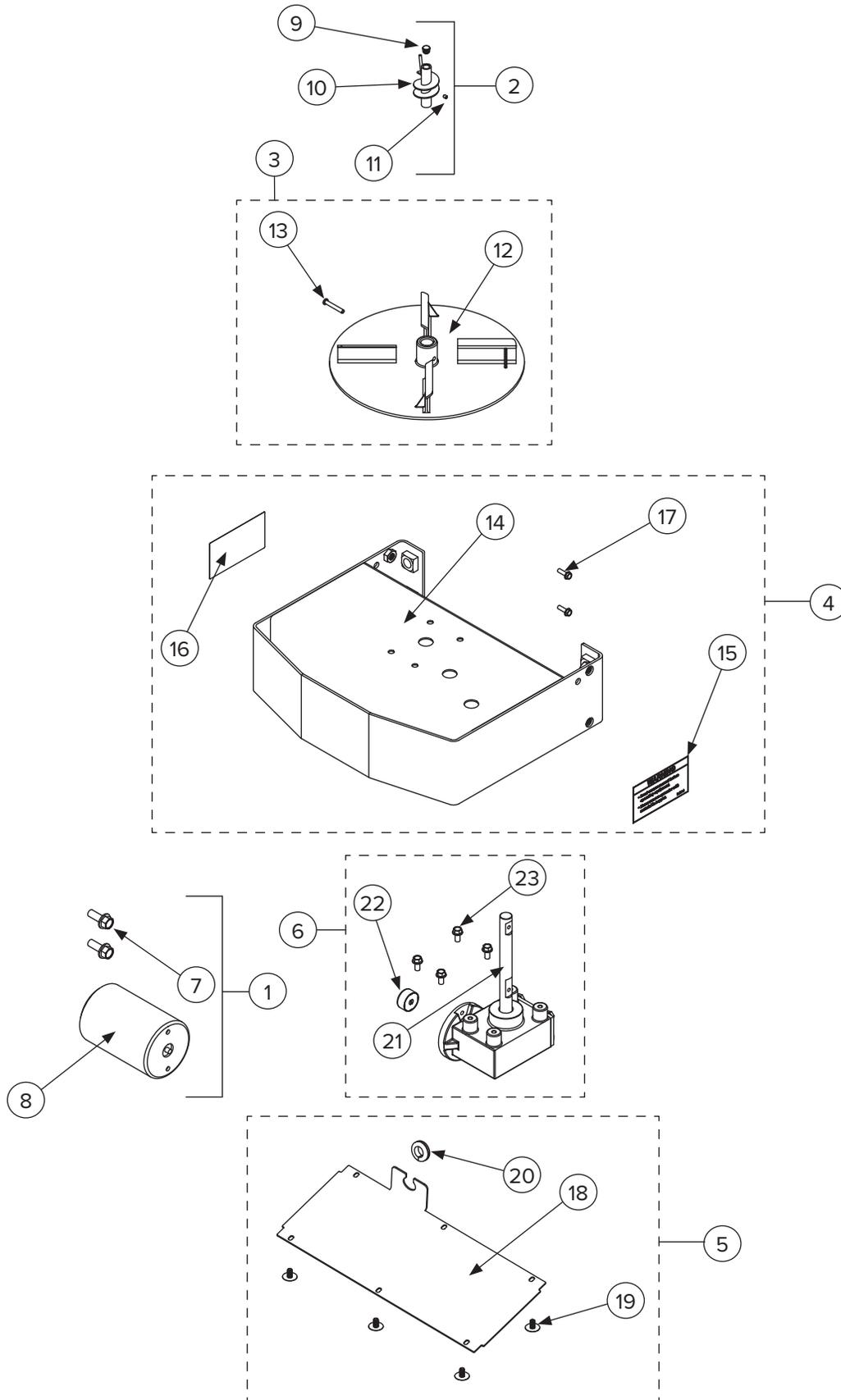
## 5. Parts

### 5.1 Hopper & Frame Assembly Cont'd

ITEM	PART NUMBER	DESCRIPTION	QTY
1	201201	Deflector Kit	1
2	201202	Hopper	1
3	201203	Frame Kit	1
4	201006	CE Shroud Kit	1
5	101060	Receiver Kit	1
6	201200	Weather Cover	1
NS	101065	Vibrator Kit (accessory only)	2
7	Not Available	Main Frame	1
8	299342	3/8 X 1 Hex Cap Screw	4
9	Not Available	CE Shroud Tailgate	1
10	201218	11 mm X 28 mm X 22 mm Retainer	3
11	Not Available	Throat Clamp	1
12	Not Available	Mount Bracket, Shroud	1
13	299652	3/8-16 Serrated Flange Nut	2
14	Not Available	Mount, Receiver	1
15	201219	5/8 X 5-1/2 Hitch Pin w/ Hairpin Cotter	1
16	299355	1/2-13 X 1-1/2 Serrated Flange Cap Screw	4
17	299830	1/2 Lock Washer	4

# 5. Parts

## 5.2 Drive Assembly



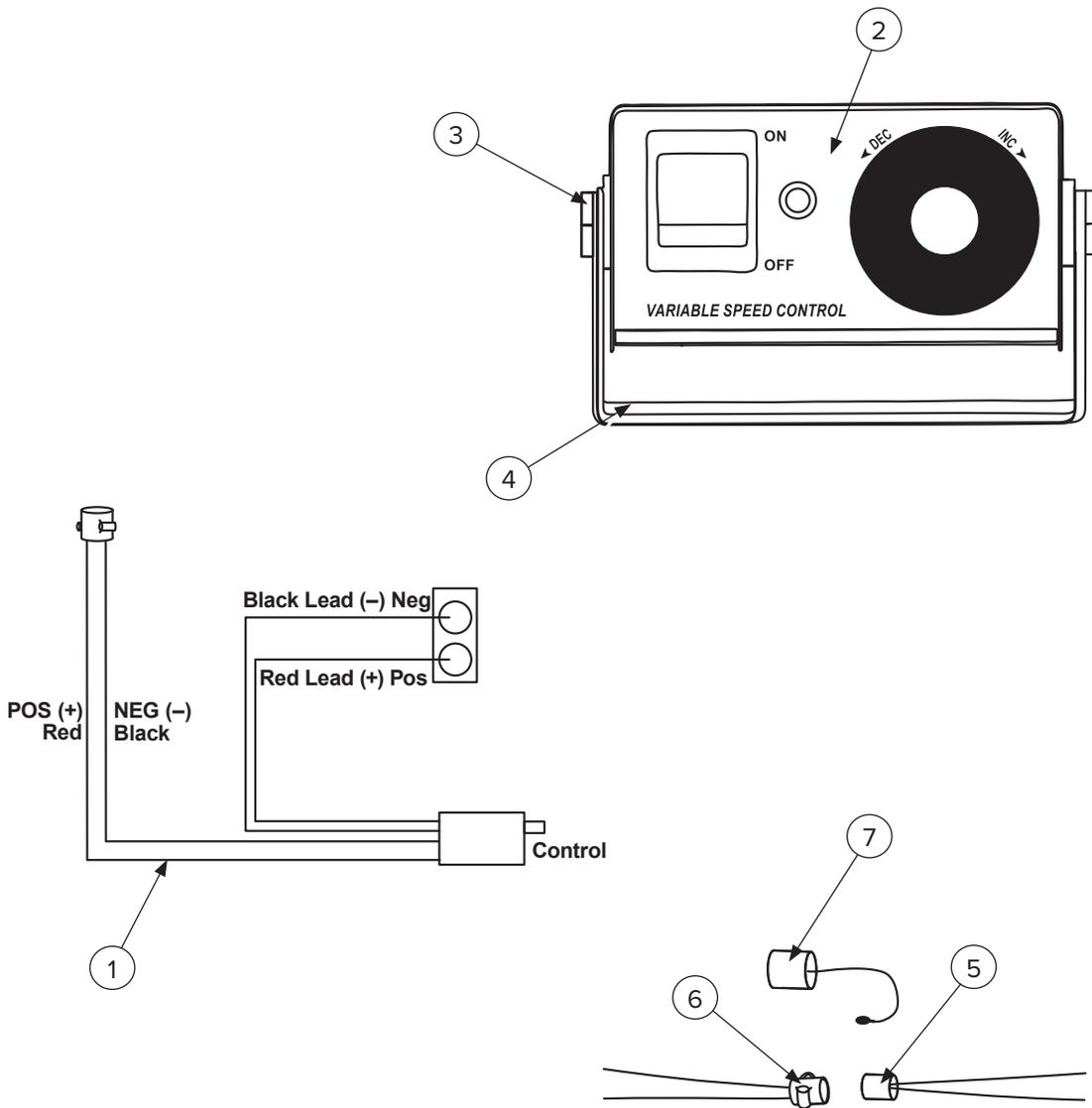
## 5. Parts

### 5.2 Drive Assembly Cont'd

ITEM	PART NUMBER	DESCRIPTION	QTY
1 – 23	201204	Drive Assembly (no wiring)	—
1	201205	Motor Kit	1
2	201015	Auger Kit	1
3	201021	Spinner Kit	1
4	201207	Transmission Enclosure Kit	1
5	201007	Transmission Enclosure Cover Kit	1
6	201210	Transmission Kit	1
7	299356	10-32 X 5/8 Hex Cap Screw Serrated	2
8	201005	3 X 3/8 12V DC Motor	1
9	201206	Auger Cap	1
10	Not Available	Auger	1
11	299511	5/16-18 X 3/8 Set Screw	1
12	Not Available	Spinner, Poly	1
13	201220	3/16 X 1-1/4 Clevis Pin	1
14	Not Available	Spinner Drive Enclosure	1
15	201208	Label, Warning – Hands & Feet	1
16	201209	Label, Warning – Read Manual	1
17	299342	3/8-16 X 1 Hex Cap Screw Serrated	4
18	Not Available	Enclosure Cover	1
19	201070	1/4 X 3/4 X 1/2 Retainer Black Nylon	6
20	Not Available	5/8 ID Grommet	1
21	Not Available	Transmission 8:1	1
22	201211	Motor Drive Coupler	1
23	299412	1/4-20 X 1/2 Serrated Flange (Stainless Steel)	4

# 5. Parts

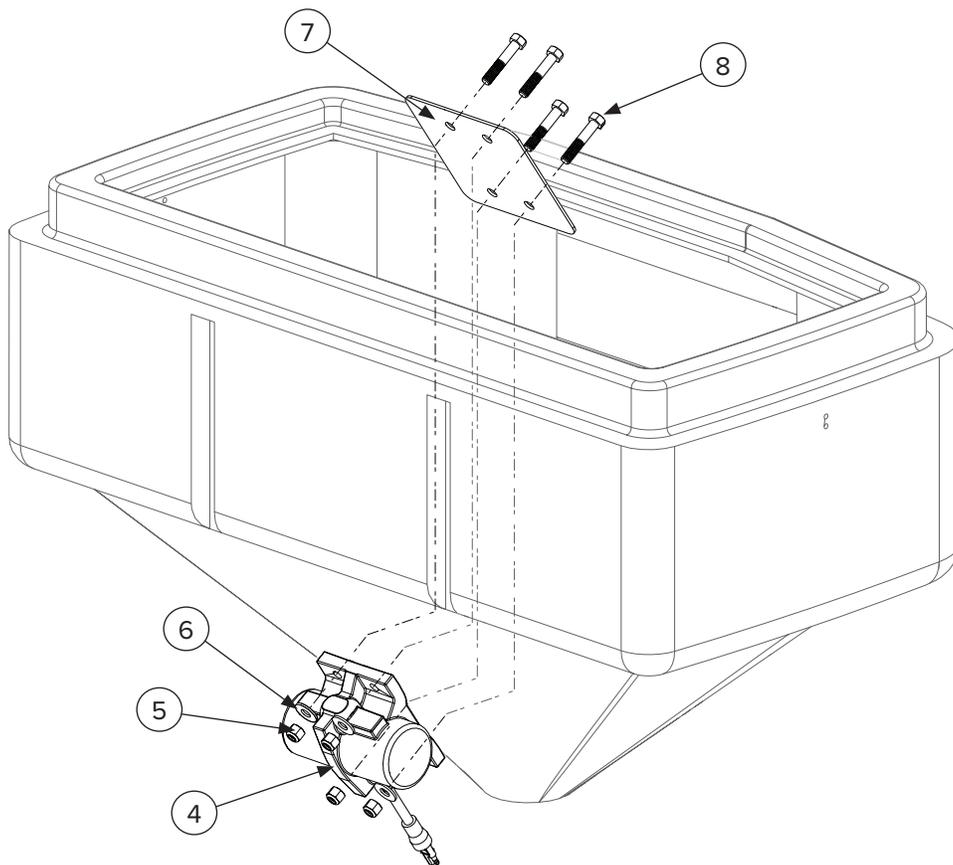
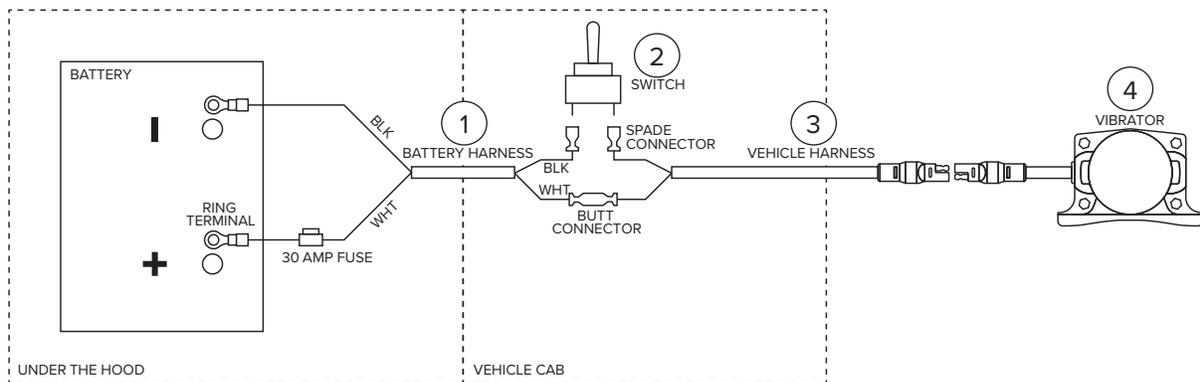
## 5.3 Control / Wiring Diagram



ITEM	PART NUMBER	DESCRIPTION	QTY
1	201060	Wiring Harness, 24'	1
2	201212	Control	1
3	201213	Bracket Knob	2
4	201214	Control Mounting Bracket	1
5	201215	Male Splice Cord, 18"	1
6	201216	Female Splice Cord, 18"	1
7	201217	Dust Cover	1

## 5. Parts

### 5.4 Vibrator Kit Parts Breakdown



ITEM	PART NUMBER	DESCRIPTION	QTY
1	201224	Battery Harness	1
2	201222	Switch	1
3	201223	Vehicle Harness	1
4	201221	Vibrator DC 80 w/ 42" Cord	1
5	299625	Nut 3/8"-16 Nylox Zinc	4
6	299726	Washer 3/8" Flat USS Zinc	4
7	201225	Flat Inverted V Backing Plate	1
8	299328	Bolt 3/8"-16 X 2" Hex Head, Zinc	4

## 6. Specifications

### 6.1 Torque Specifications

#### Standard Hardware and Lock Nuts

BOLT TYPE	SAE GRADE 5		SAE GRADE 8		LOCK NUTS			
	Nominal Size	Plated or Unplated Silver	Plated W/ ZnCr Gold	Plated or Unplated Silver	Plated W/ ZnCr Gold	Plated or Unplated Silver	Plated W/ ZnCr Gold	W/ Grade 5 Bolt
1/4	55 in / lb (6.2 N•m)	72 in / lb (8.1 N•m)	86 in / lb (9.7 N•m)	112 in / lb (12.6 N•m)	121 in / lb (13.6 N•m)	157 in / lb (17.7 N•m)	61 in / lb (6.9 N•m)	86 in / lb (9.8 N•m)
5/16	115 in / lb (13 N•m)	149 in / lb (17 N•m)	178 in / lb (20 N•m)	229 in / lb (26 N•m)	250 in / lb (28 N•m)	325 in / lb (37 N•m)	125 in / lb (14 N•m)	176 in / lb (20 N•m)
3/8	17 ft / lb (23 N•m)	22 ft / lb (30 N•m)	26 ft / lb (35 N•m)	34 ft / lb (46 N•m)	37 ft / lb (50 N•m)	48 ft / lb (65 N•m)	19 ft / lb (26 N•m)	26 ft / lb (35 N•m)
7/16	27 ft / lb (37 N•m)	35 ft / lb (47 N•m)	42 ft / lb (57 N•m)	54 ft / lb (73 N•m)	59 ft / lb (80 N•m)	77 ft / lb (104 N•m)	30 ft / lb (41 N•m)	42 ft / lb (57 N•m)
1/2	42 ft / lb (57 N•m)	54 ft / lb (73 N•m)	64 ft / lb (87 N•m)	83 ft / lb (113 N•m)	91 ft / lb (123 N•m)	117 ft / lb (159 N•m)	45 ft / lb (61 N•m)	64 ft / lb (88 N•m)
9/16	60 ft / lb (81 N•m)	77 ft / lb (104 N•m)	92 ft / lb (125 N•m)	120 ft / lb (163 N•m)	130 ft / lb (176 N•m)	169 ft / lb (229 N•m)	65 ft / lb (88 N•m)	92 ft / lb (125 N•m)
5/8	83 ft / lb (112 N•m)	107 ft / lb (145 N•m)	128 ft / lb (174 N•m)	165 ft / lb (224 N•m)	180 ft / lb (244 N•m)	233 ft / lb (316 N•m)	90 ft / lb (122 N•m)	127 ft / lb (172 N•m)
3/4	146 ft / lb (198 N•m)	189 ft / lb (256 N•m)	226 ft / lb (306 N•m)	293 ft / lb (397 N•m)	319 ft / lb (432 N•m)	413 ft / lb (560 N•m)	160 ft / lb (217 N•m)	226 ft / lb (306 N•m)
7/8	142 ft / lb (193 N•m)	183 ft / lb (248 N•m)	365 ft / lb (495 N•m)	473 ft / lb (641 N•m)	515 ft / lb (698 N•m)	667 ft / lb (904 N•m)	258 ft / lb (350 N•m)	364 ft / lb (494 N•m)
1	213 ft / lb (289 N•m)	275 ft / lb (373 N•m)	547 ft / lb (742 N•m)	708 ft / lb (960 N•m)	773 ft / lb (1048 N•m)	1000 ft / lb (1356 N•m)	386 ft / lb (523 N•m)	545 ft / lb (739 N•m)

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## Warranty

### MANUFACTURER'S LIMITED WARRANTY

BLUE DIAMOND® ATTACHMENTS, a manufacturer of quality attachments, warrants new BLUE DIAMOND® ATTACHMENTS products and/or attachments at the time of delivery to the original purchaser, to be free from defects in material and workmanship when properly set up and operated in accordance with the recommendations set forth by BLUE DIAMOND® ATTACHMENTS, LLC.

BLUE DIAMOND® ATTACHMENTS liability for any defect with respect to accepted goods shall be limited to repairing the goods at a BLUE DIAMOND® ATTACHMENTS designated location or at an authorized dealer location, or replacing them, as BLUE DIAMOND® ATTACHMENTS shall elect. The above shall be in accordance with BLUE DIAMOND® ATTACHMENTS warranty adjustment policies. BLUE DIAMOND® ATTACHMENTS obligation shall terminate twelve (12) months for the Tailgate Material Spreader after the delivery of the goods to original purchaser.

This warranty shall not apply to any machine or attachment which shall have been repaired or altered outside the BLUE DIAMOND® ATTACHMENTS factory or authorized BLUE DIAMOND® ATTACHMENTS dealership or in any way so as in BLUE DIAMOND® ATTACHMENTS judgment, to affect its stability or reliability, nor which has been subject to misuse, negligence or accident beyond the company recommended machine rated capacity.

### WARRANTY CLAIM

To submit a warranty claim, a claim must be filed with BLUE DIAMOND® ATTACHMENTS before work is performed. The BLUE DIAMOND® PRODUCT SUPPORT TEAM will advise repairs and applicable parts exchanges. Tampering with the failed part may void the warranty. This warranty does not include freight or delivery charges incurred when returning machinery for servicing. Dealer mileage, service calls, and pickup/delivery charges are the customers' responsibility.

### EXCLUSIONS OF WARRANTY

Except as otherwise expressly stated herein, BLUE DIAMOND® ATTACHMENTS makes no representation or warranty of any kind, expressed or implied, AND MAKES NO WARRANTY OF MERCHANTABILITY IN RESPECT TO ITS MACHINERY AND/OR ATTACHMENTS ARE FIT FOR ANY PARTICULAR PURPOSE. BLUE DIAMOND® ATTACHMENTS shall not be liable for incidental or consequential damages for any breach or warranty, including but not limited to inconvenience, rental of replacement equipment, loss of profits or other commercial loss. Upon purchase, the buyer assumes all liability for all personal injury and property resulting from the handling, possession, or use of the goods by the buyer.

No agent, employee, or representative of BLUE DIAMOND® ATTACHMENTS has any authority to bind BLUE DIAMOND® ATTACHMENTS to any affirmation, representation, or warranty concerning its machinery and/or attachments except as specifically set forth herein.

This warranty policy supersedes any previous documents.

**NOTE:** Blue Diamond® Attachments is a trademark of BLUE DIAMOND® ATTACHMENTS



**QUALITY | DEPENDABILITY | INTEGRITY**

Blue Diamond® Attachments  
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