

### **Glossary of Problems**

1. No power to controller (green LED not lit).
2. Spinner motor does not run, power to controller (green LED lit).
3. Red indicator light is lit on controller.
4. Spinner Motor runs but Spinner/Auger do not turn.
5. Toggle Switch does not activate lift mechanism.
6. Cannot attach spreader.
7. Cannot detach spreader.

PROBLEM	DIAGNOSTIC CHECK	RESULT
1. No power to controller (green LED not lit).	Check that truck's ignition key is in the "ON" position.	Turn key on.
	Check the 40 amp in-line fuse in the vehicle side harness.	Replace fuse.
	Check relay for corrosion and function.	Relay should click when energized.
2. Spinner motor does not run, power to controller (green LED lit).	Check that spreader side and vehicle side harnesses are connected properly.	Connect.
	Check that controller is plugged into vehicle side harness.	Connect.
	Check that spinner motor is connected to spreader side harness inside the motor enclosure. The enclosure cover must be removed to check this.	Connect.
3. Red indicator is lit on controller.	Check for an obstruction inside the hopper.	Clear by using the Blast feature on the controller.
4. Spinner motor runs but spinner and auger do not turn.	The auger and spinner are mounted directly to the motor shaft. Check that the bolts connecting the auger and spinner to the motor shaft are not broken.	Replace.
	Check that the bolt connecting the motor shaft to the motor hub is not broken. The enclosure cover must be removed to check this.	Replace.
5. Toggle switch does not activate lift mechanism.	Check that spreader side and vehicle side harnesses are connected properly.	Connect.
	Check that truck's ignition key is in the "ON" position.	Turn key on.
	Check that the switch is correctly wired.	Connect.

PROBLEM	DIAGNOSTIC CHECK	RESULT
6. Cannot attach spreader.	Check that spreader is sitting on level ground or leaning slightly toward the truck.	If the spreader is leaning away from the truck, change the position of the spreader so that it is level or leaning slightly toward the truck.
	Check that the Hitch Beam is at the proper height.	Changes to the loading of the vehicle (such as a snowplow on the front or a load in the bed) will have an affect on this.
	Check for obstructions in the receiver hook on the hitch beam or on the upper and lower pins of the spreader.	Clear obstructions.
	Check that the clutch in the actuator is not ratcheting.	If clutch is ratcheting, grease upper and lower pins on the spreader. This may also indicate that the spreader is overloaded, remove some material.
7. Cannot detach spreader.	Check that the Hitch Beam is at the proper height.	Changes to the loading of the vehicle (such as a snowplow on the front or a load in the bed) will have an effect on this.