

Airflo *Manufacturing Co., Inc.*

PARTS MANUAL

POL-7.5L

POLY ELECTRIC SPREADER

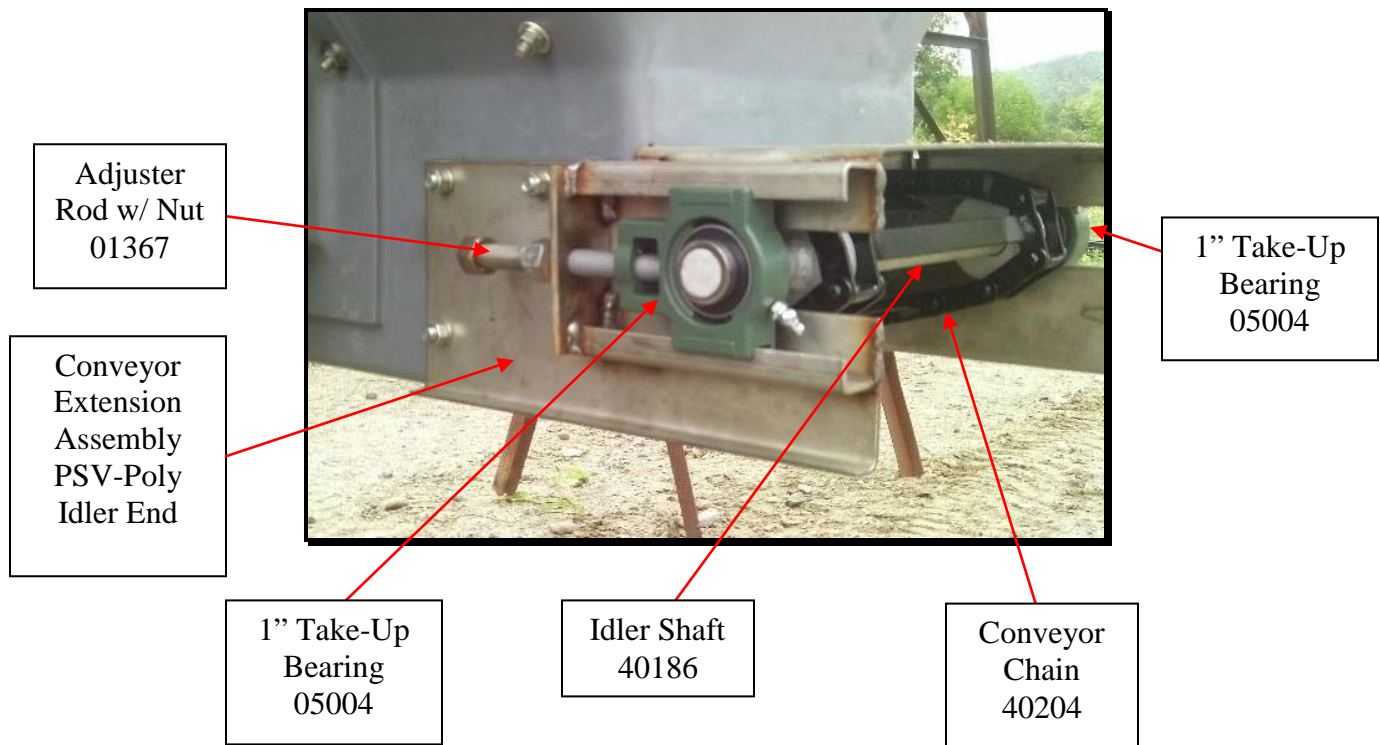
Air-Flo Manufacturing Co., Inc.

40 South Main Street, Prattsburgh, NY, 14873

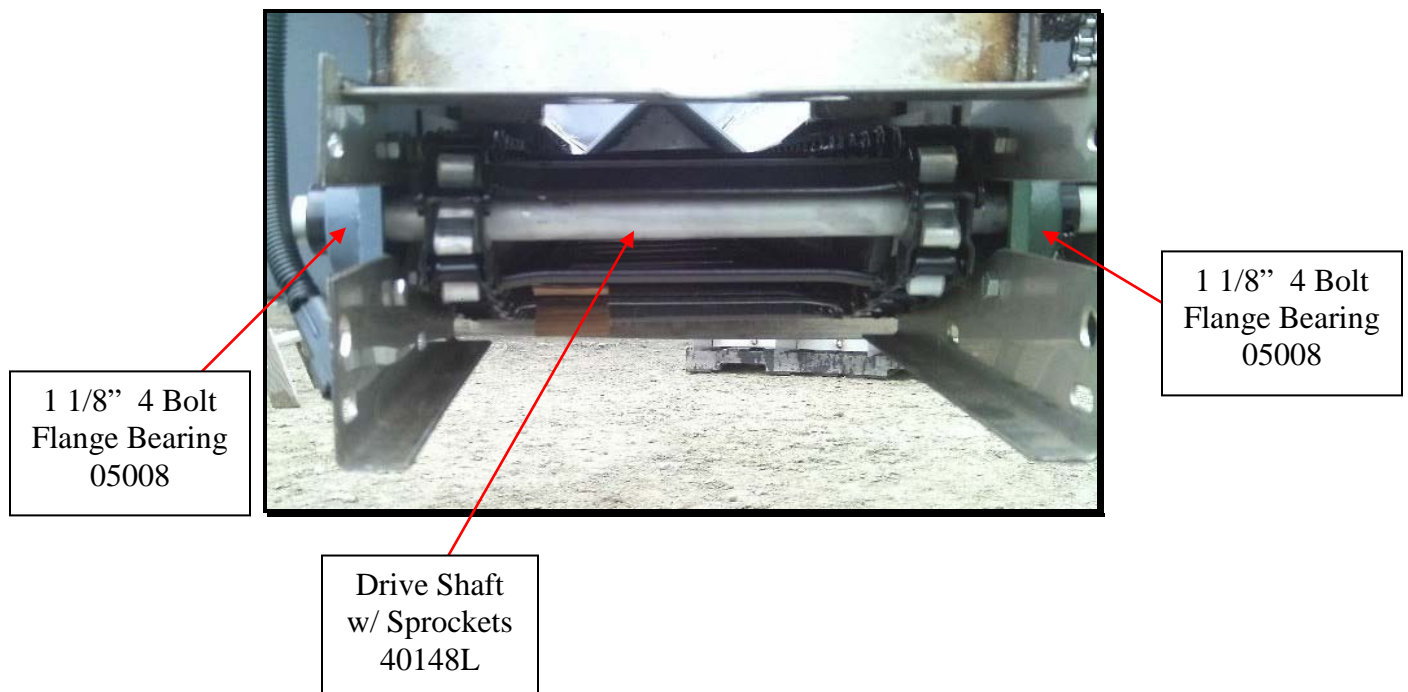
(607) 522-3574 • (607) 522-4412 (Fax) • www.Air-Flo.com

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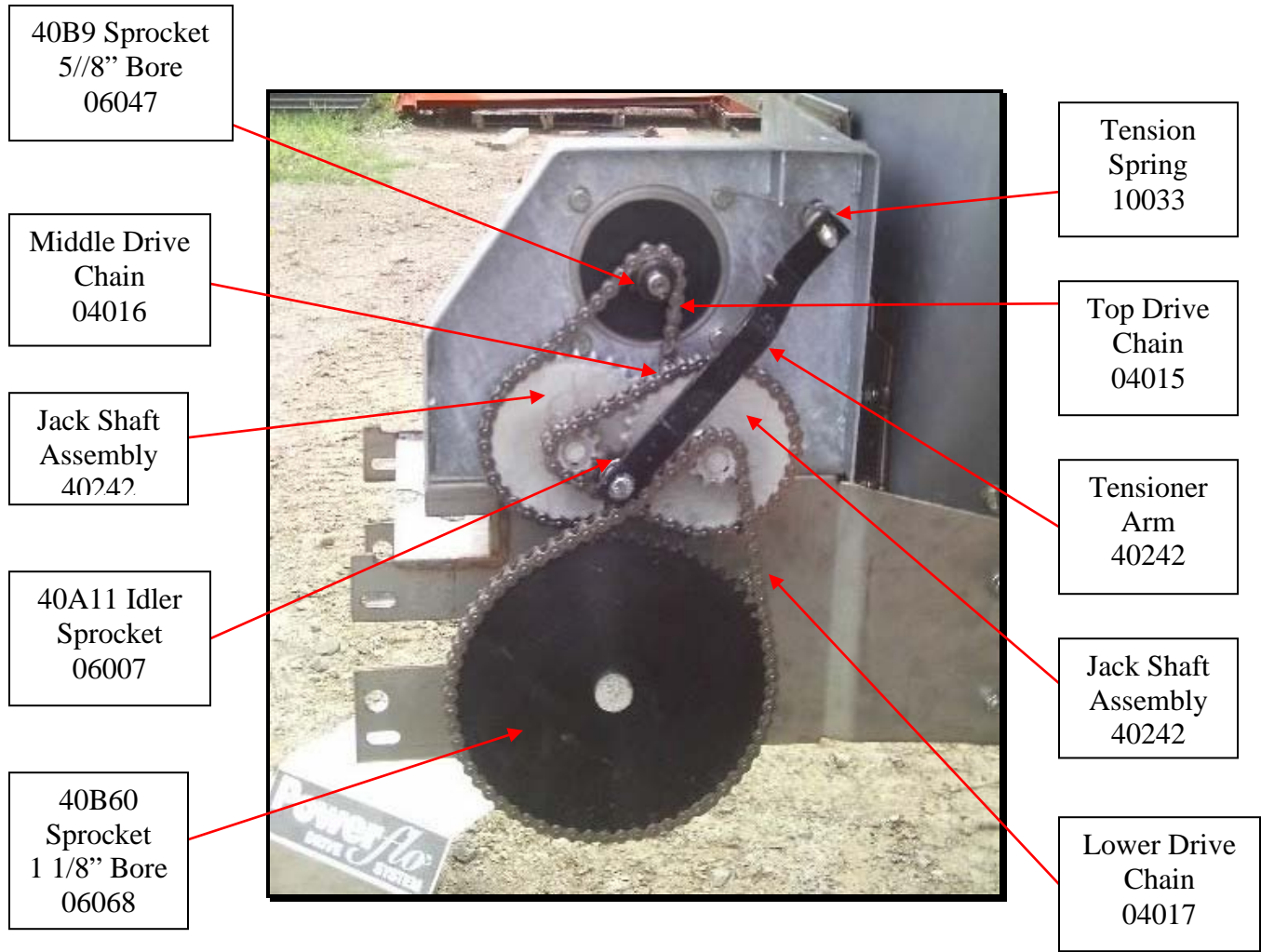
Front Idler Assembly



Rear Chain & Sprocket Assembly



Conveyor Drive Sprocket Assembly



Conveyor Motor Mount Assembly

Conveyor
Motor
07001C

Electric Motor
Mount Table
40162

Jack Shaft
Assembly
40242

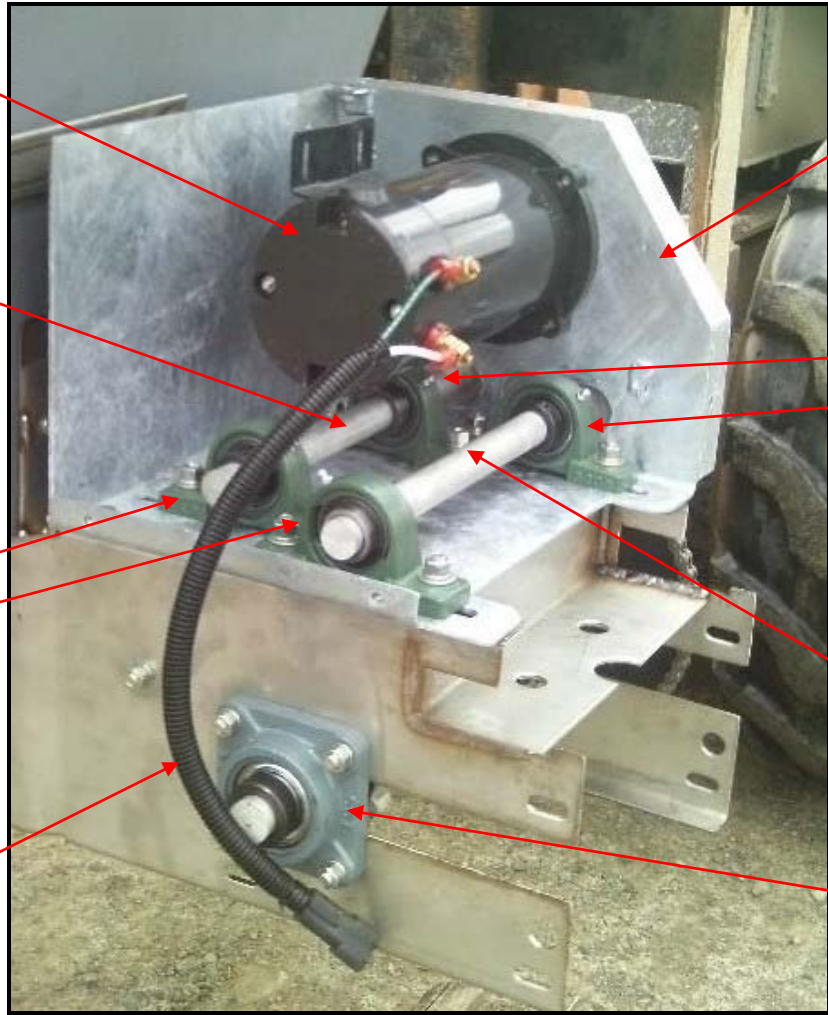
1" Pillow
Block
Bearings
05001

1" Pillow
Block
Bearing
05001

Jack Shaft
Assembly
40242

Conveyor
Motor Power
Harness
07261

1 1/8" 4 Bolt
Flange
Bearing
05008



Spinner Chute Assembly

Spinner Motor
07001-W

Spinner Motor
Power Harness
07262

Pin, Quick
Release
PSV Chute
40247

Pin, Quick
Release
PSV Chute
40247

21" Electric
Spinner Shaft
14007
33" Electric
Spinner Shaft
14008



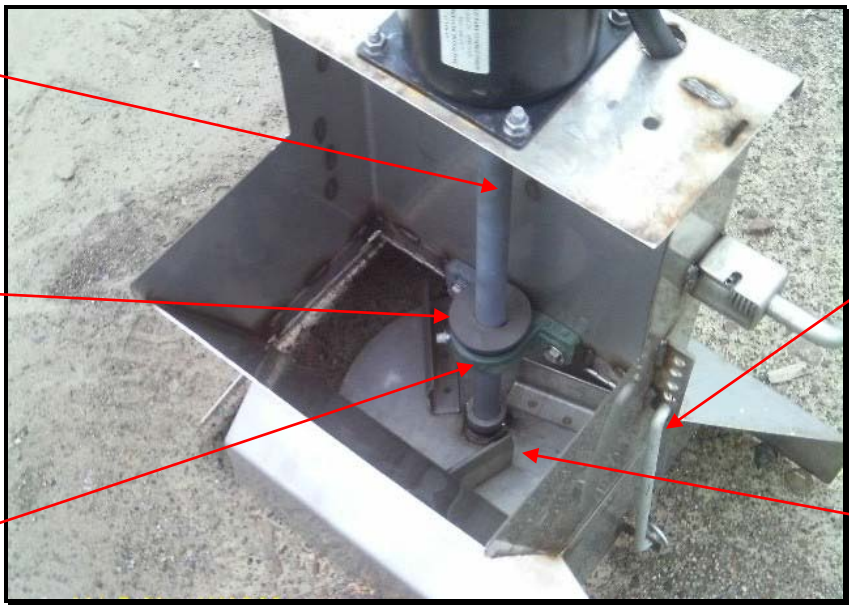
21" Electric
Spinner Shaft
14007
33" Electric
Spinner Shaft
14008

Rubber
Washer
17013

PSV Chute
Adjustment
Rod
40048

1" Pillow
Block Bearing
05001

PSV Spinner
Disc
40151



Spinner Chute Assembly

Hold Down
Bracket PSV
Poly Sander
40261

Conveyor
Motor Cover
40249

Spinner
Motor Cover
40250

PSV-8L
Short Chute
Complete
40157-10

PSV-8L
Long Chute
Complete
40158-10



Chain
Protector
Cover
40251

PSV Chute
Adjustment
Rod
40048

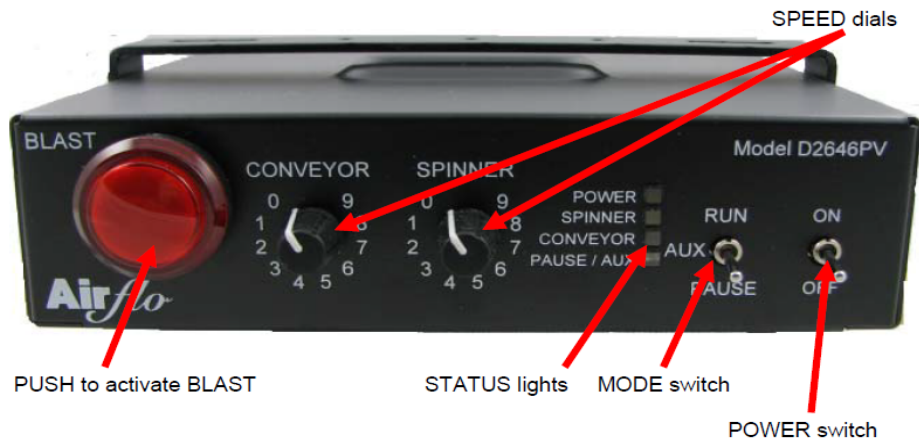
Feed Gate Adjustment

Door
Handle for
PSV
40138A



Electric Spreader Controller

Model D2646PV



STATUS LED Blink Codes	
Number of Blinks	Condition
SOLID	Ignition Off
2	Jam (high current)
3	Overheat
4	Battery voltage low
5	Battery voltage high

Compatibility Chart Buyers & SnowEx Models			
Buyers		SnowEx	
ATVS15	TGSUV1B	375	11875
TGSUVPROA	TG01	575	Vee-Pro
TGS01A	TGS01B	1075	V-Maxx
TGS05	TGS05A		
TGS05B			

The D2646PV is also compatible with many other competitor models. Please check our full comparison chart.

Model D2646PV

Normal Operation – Startup

1. Turn POWER switch ON.
2. Chose mode of operation: RUN or RUN/AUX
3. Set the SPEED DIALS to the desired speed settings.
4. To enable the unit for first time run condition, press the BLAST BUTTON.
 - This is a safety feature. It also clears the spinner motor of debris.

If you push BLAST while in PAUSE MODE, you may accidentally set the minimum running speeds.

Normal Operation – Shutdown

1. Turn MODE SWITCH to PAUSE.
2. Turn POWER SWITCH to OFF to deactivate the unit.

At Any Time You May:

- Vary the conveyor or spinner speeds using the dials.
- Press the BLAST BUTTON to deposit the maximum amount of material.
- Set the MODE SWITCH to PAUSE to pause the conveyor and spinner motors.
- Switch between RUN and RUN/AUX modes using the MODE switch.
- Calibrate the dials (set the minimum running speed).

Calibrate Dial (Set Minimum Running Speed)

1. Make sure MODE SWITCH is set to PAUSE.
2. Make sure the POWER SWITCH is set to ON.
3. Turn the SPEED DIALS to the desired minimum speed settings.
4. Press and hold the BLAST BUTTON for 3 seconds.
5. Release the BLAST BUTTON to lock in the desired minimum speed settings.
6. The PAUSE/AUX light will blink once to confirm the settings are locked in.

Helpful hint: Before setting the minimum running speed, run the unit as normal and vary the speed settings until the motors are just barely running. This should be your "level 1" speed setting.

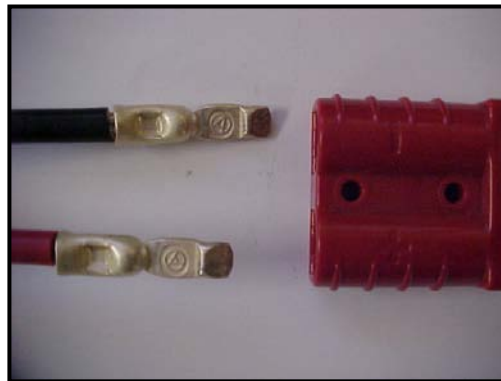
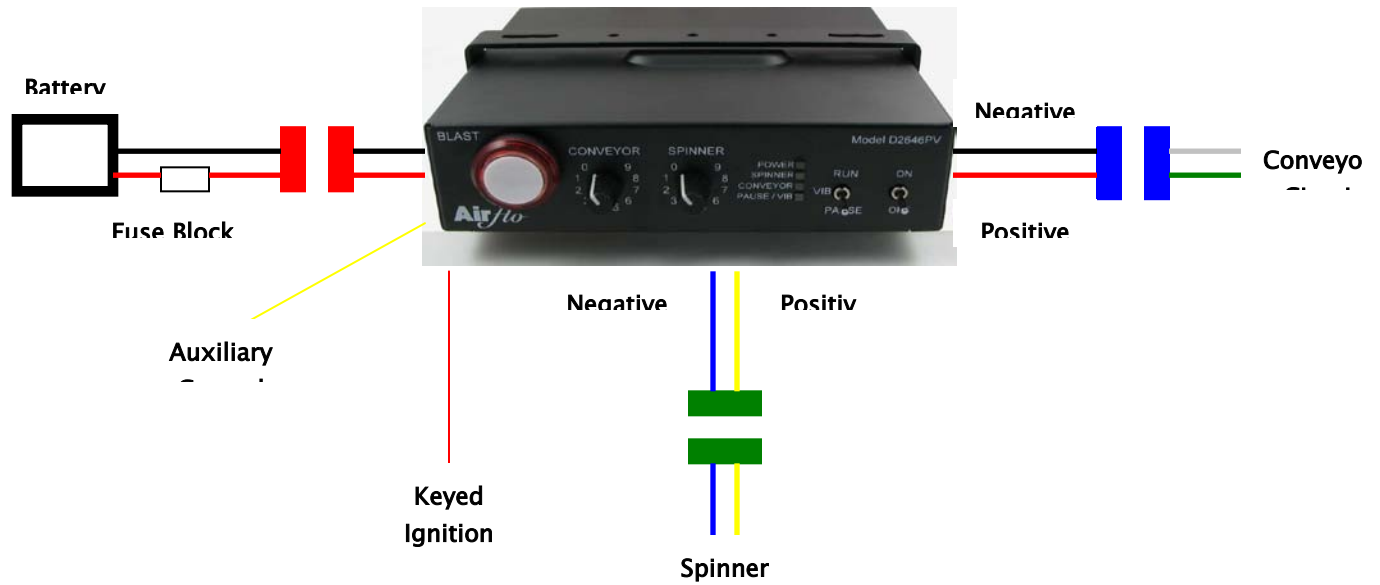
The settings will remain programmed even if the power is removed.

Electric Spreader Controller & Harness Setup

- 1.) **Locate the following items for your kit**
 - a. **Part # 13023-C- In Cab Controller**
 - b. **Part # 07231- Power Cable Assembly**
 - c. **Part#07232 – Motor Control Harness**
 - d. **Part #07195- Fuse block**
 - e. **Part #07194- Fuse**
 - f. **Part #07225- Blue Quick Disconnect**
 - g. **Part #07223- Red Quick Disconnect**
 - h. **Part # 07724-Green Quick Disconnect**
- 2.) **a. Route your power cable and connect the (-) black wire to the battery (-) lead.**
b. Mount the fuse block and attach the leads to the positive(+) battery terminal.
c. Slide the black and red wires with terminals into the plastic housing. It will “click” once it is seated. Note Black is (-) and Red is (+). Labeled on housing.
- 3.) **Attach your in cab controller in a convenient location to operate.**
- 4.) **Attach the small red lead to a (+) keyed ignition power source.**
- 5.) **Route the motor control harness and connect the quick disconnects to the spinner and conveyor motors.**
- 6.) **Insert the yellow wire with contact into the positive side of the green connector.**
- 7.) **Insert the blue wire with contact into the negative side of the green connector.**
- 8.) **Insert the green wire with contact into the positive side of the blue connector.**
- 9.) **Insert the white wire with contact into the negative side of the blue connector.**
- 10.) **Connect all the quick disconnects to the matching quick disconnects from the in cab controller.**

Your spreader is ready to operate. Refer to operating instructions.

Electric Spreader Controller & Harness Setup



To install wires into housing, slide the contact into the housing until it catches – pull back to test.
 To remove wires, depress the steel tab in housing to release the contact and pull back.

POL-7.5 Parts List

PART NUMBER	PART DESCRIPTION
01367	Adjuster Rod w/ Nut
04015	Top Chain Drive
04016	Middle Chain Drive
04017	Lower Drive Chain
05001	1" Pillow Block Bearing
05004	1" Take-Up Bearing
05008	1 1/8" 4 Bolt Flange Bearing
06007	40A11 Idler Sprocket
06047	40B9 Sprocket 5/8" Bore
06068	40B60 Sprocket 1 1/8" Bore
07001	Conveyor Motor
07001-W	Spinner Motor
07261	Conveyor Motor Power Harness
07262	Spinner Motor Power Harness
10033	Tension Spring
13023-C	2011 Dual Motor Electric Controller
14007	21" Electric Spinner Shaft – Short Chute
14008	33" Electric Spinner Shaft – Long Chute
17013	Rubber Washer
34020	Screen
40048	PSV Chute Adjustment Rod
40138A	Door Handle for PSV
40151	PSV Spinner Disc
40162	Electric Motor Mount Table
40186	Idler Shaft
40148L	Drive Shaft w/ Sprockets
40157-10	PSV-8L Short Chute Complete
40158-10	PSV-8L Long Chute Complete
40204	Conveyor Chain
40219	Tarp Kit
40242	Jack Shaft Assembly
40245	Tensioner Arm
40247	Pin, Quick Release – PSV Chute
40249	Conveyor Motor Cover
40250	Spinner Motor Cover
40251	Chain Protector Cover
40261	Hold Down Bracket PSV Poly Sander