

Bale Loader Control Cord & Wireless Wiring

Table of Contents

Pages

- Electric Pump 2 Valve Control Cord Only 1.
- 2. Electric Pump – 3 Valve Control Cord Only
- 3. Electric Pump - 2 Valve Control Cord & Wireless
- 4. Electric Pump – 3 Valve Control Cord & Wireless Pages 5-6
- 5. Live Pump – 2 Valve Control Cord Only
- 6. Live Pump – 3 Valve Control Cord Only
- Live Pump 2 Valve Control Cord & Wireless 7.
- 8. Live Pump – 3 Valve Control Cord & Wireless
- Pages 3-4

Page 1

Page 2

- Page 7 Page 8
- Page 9-10
- Pages 11-12

ON/OFF ON/OF





The pump will not run when the ON/Off buttons are activated, its 12v power only

- 1. Plug the **Green** Wire into the Green marked wire from valve.
- 2. Plug the **Blue** wire to the Blue marked wire from valve.
- 3. Plug the **Brown** wire to the Brown marked wire from valve.
- 4. Plug the **Yellow** wire to the Yellow marked wire from valve.
- 5. Make sure Both **Orange** and **Purple** wires are capped or taped, they are not used.
- 2. Connect Gray (2 Valve) wire to terminal on pump solenoid
- 3. On a two Valve setup make sure the **Grey/Black** Stripe (**3**rd **Valve**) wire is capped or taped, it will short out the controller.
- 9. Yellow/Black and Yellow/Red stripe wires can be used with the ON/OFF Buttons.
- 10. Hook up **Red** wire (**12v Power**) to the stud on 15 Amp Circuit breaker– See instructions at the top of page. Page 1

Correct way to Wire Pistol grip With 3 valve setup (Electric Only)

Battery

This is a 15 Amp auto resetting circuit breaker. During shipping since there is no battery it will be on stud of Solenoid. Remove it from solenoid and mount as shown.

If the Yellow/Black and

Yellow/Red striped wires are

not being used make sure they are capped or taped.

Yellow/Red stripe • Yellow/Black stripe •

The pump will not run when the ON/OFF buttons are activated, its 12v power only

- 1. Plug the **Blue** wire into the Blue marked wire from valve.
- 2. Plug the **Purple** wire into the Purple marked wire from valve
- 3. Plug the **Brown** wire into the Brown marked wire from the valve.
- 4. Plug the **Green** wire into the Green Marked wire from the valve.
- 5. Plug the **Yellow** wire into the Yellow marked wire from the valve.
- 6. Plug the **Orange** wire into the Orange marked wire from the valve.
- 7. Connect Grey (2 Valve) and Grey/Black (3rd Valve) striped wires to the terminal on pump solenoid.
- 8. The Yellow/Black and Yellow/Red striped wires are used with the ON/OFF Buttons.
- 9. Connect the **Red** (**12v Power**) wire to the stud on 15 Amp circuit breaker– See instructions at the top of page.

Correct way to wire Control Cord 2 valve with wireless (electric only)

This is a 15 Amp auto resetting circuit breaker. During shipping since there is no battery it will be on stud of Solenoid. Remove it from solenoid and mount as shown.





Make sure the Gray/Black stripe wire is capped or taped. It will short out the controller.

Correct way to wire Control Cord 2 valve with wireless (electric only)



The On/Off buttons for the control cord And the wireless remote are not tied Together like the other functions. You can Run 4 separate things 2 from the control Cord and 2 from the wireless controller. Both wireless and control cord use Yellow/black Stripe and Yellow/Red stripe wires make sure If you want the function on wireless you use the Wires from the wireless and not the Control cord And vice versa.

Hooking up Control Cord to the Short Pigtail from Wireless Receiver

- 1. Plug the Green Wire from the control cord to the Green wire from short pigtail on the wireless receiver.
- 2. Plug the **Blue** wire from the control cord to the **Blue** wire from the short pigtail on the wireless receiver.
- 3. Plug the **Brown** wire from the control cord to the **Brown** wire from the short pigtail on the wireless receiver.
- 4. Plug the **Yellow** wire from the control cord to the **Yellow** wire from the short pigtail on the wireless receiver.
- 5. Plug the **Orange** wire from the control cord to the **Orange** wire from the short pigtail on the wireless receiver.
- 6. Plug the **Purple** wire from the control cord to the **Purple** wire from the short pigtail on the wireless receiver.
- 7. Connect Gray wire (2 Valve) from the control cord to terminal on pump solenoid
- 8. On a two Valve setup make sure the **Grey/Black** Stripe wire (**3**rd **Valve**) from the control cord is capped or taped, it will short out the controller.
- 9. Yellow/Black and Yellow/Red stripe wires are used with the ON/OFF Buttons of the control cord ONLY.
- 10. Hook up **Red** wire (**12v Power**)to the stud on the 15 amp circuit breaker.

- 1. Plug the Green Wire from the long pigtail of the wireless to the Green marked wire from valve.
- 2. Plug the Blue wire from the long pigtail of the wireless to the Blue marked wire from valve.
- 3. Plug the **Brown** wire from the long pigtail of the wireless to the **Brown** marked wire from valve.
- 4. Plug the Yellow wire from the long pigtail of the wireless to the Yellow marked wire from valve.
- 5. Connect **Black** wire from the long pigtail of the wireless to the brass stud on the negative battery terminal.
- 6. Make sure Both Orange and Purple wires from the long pigtail of the wireless are capped or taped, they are not used.
- 7. Connect Gray wire from the wireless to top terminal on pump solenoid
- 8. On a two Valve setup make sure the **Grey/Black** Stripe wire from the wireless is capped or taped, it will short out the controller.
- 9. Yellow/Black and Yellow/Red stripe wires from the wireless are used with the ON/OFF Buttons of the wireless controller ONLY.
- 10. Hook up **Red** wire from wireless to the stud on the auto resetting circuit breaker.

Correct way to wire Control Cord 3 valve with wireless (electric only)

Battery

This is a 15 Amp auto resetting circuit breaker. During shipping since there is no battery it will be on stud of Solenoid. Remove it from solenoid and mount as shown.

EXT



RET

Minney

Correct way to wire Control Cord 3 valve with wireless (electric only)



The On/Off buttons for the control cord And the wireless remote are not tied Together like the other functions. You can Run 4 separate things 2 from the control Cord and 2 from the wireless controller. Both wireless and control cord use Yellow/black Stripe and Yellow/Red stripe wires make sure If you want the function on wireless you use the Wires from the wireless and not the Control cord And vice versa.

Hooking up Control Cord to the Short Pigtail from Wireless Receiver

- 1. Plug the Green Wire from the control cord to the Green wire from short pigtail on the wireless receiver.
- 2. Plug the **Blue** wire to from the control cord the **Blue** wire from the short pigtail on the wireless receiver.
- 3. Plug the Brown wire to from the control cord the Brown wire from the short pigtail on the wireless receiver.
- 4. Plug the **Yellow** wire to from the control cord the **Yellow** wire from the short pigtail on the wireless receiver.
- 5. Plug the **Orange** wire to from the control cord the **Orange** wire from the short pigtail on the wireless receiver.
- 6. Plug the **Purple** wire to from the control cord the Purple wire from the short pigtail on the wireless receiver.
- 7. Connect Gray (2 Valve) and Gray/Black wire (3rd Valve) from the control cord to terminal on top of pump solenoid.
- 8. Yellow/Black and Yellow/Red stripe wires from the control cord are used with the ON/OFF Buttons of the control cord ONLY.
- 9. Hook up **Red** wire (**12v Power**) from the control cord to the stud on the 10 amp circuit breaker, Opposite side of copper bar.

- 1. Plug the **Green** Wire from the long pigtail of the wireless to the **Green** marked wire from valve.
- 2. Plug the **Blue** wire from the long pigtail of the wireless to the **Blue** marked wire from valve.
- 3. Plug the **Brown** wire from the long pigtail of the wireless to the **Brown** marked wire from valve.
- 4. Plug the **Yellow** wire from the long pigtail of the wireless to the **Yellow** marked wire from valve.
- 5. Plug the **Orange** wire from the long pigtail of the wireless to the **Orange** marked wire from valve.
- 6. Plug the **Purple** wire from the long pigtail of the wireless to the **Purple** marked wire from valve.
- 7. Connect **Black** wire from the long pigtail of the wireless to the brass stud on the negative battery terminal.
- 8. Connect Gray and Gray/Black wire from the long pigtail of the wireless to terminal on top of pump solenoid
- 9. Yellow/Black and Yellow/Red stripe wires of the wireless are used with the ON/OFF Buttons of the wireless controller ONLY.
- 10. Hook up **Red** wire to the stud on the circuit breaker, Opposite side of copper bar.

This is a 15 Amp auto resetting circuit breaker. Connect to vehicle battery using brass terminal studs provided.

- 1. Plug the **Green** Wire to the **Green** marked wire from valve.
- 2. Plug the **Blue** wire to the **Blue** marked wire from valve.
- 3. Plug the Brown wire to the Brown marked wire from valve.
- 4. Plug the **Yellow** wire to the **Yellow** marked wire from valve.
- 5. Make sure the **Orange** wire is capped or taped it is not used.
- 6. Make sure the **Purple** wire is capped or taped it is not used.
- 7. Make sure the Grey (2 Valve) and Grey/Black (3rd Valve) stripe wires are capped, they will short out the controller.
- 8. Yellow/Black and Yellow/Red stripe wires are used with the ON/OFF Buttons.
- 9. Hook up Red (12v Power) wire to the Positive battery terminal.

The ON/OFF button can be used To run the pump for the live unit using the yellow/Black or Yellow/red striped wires.

Options

Cut the ring terminal 2" back on red wire (12v Power) and it will connect to the post on the 15 Amp Auto resetting circuit breaker that gets attached to the vehicles battery. Run wire from vehicles battery to cut end of red wire the use butt connectors to join back together. Use Heat shrink tubing over butt connectors to keep connectors clean and dry.



Make sure the Gray (2 Valve) and Gray/Black (3rd Valve) Wires have protective caps or Wrap Them In electrical tape –they will short the Controller out.

This controller does not need grounded.

Live 2 Valve Control cord instructions



This is a 15 Amp auto resetting circuit breaker. Connect to vehicle battery using brass terminal studs provided.

- 1. Plug the **Green** Wire into the **Green** marked wire from valve.
- 2. Plug the **Blue** wire to the **Blue** marked wire from valve.
- 3. Plug the **Brown** wire to the **Brown** marked wire from valve.
- 4. Plug the **Yellow** wire to the **Yellow** marked wire from valve.
- 5. Plug the **Orange** wire to the **Orange** marked wire from valve.
- 6. Plug the **Purple** wire to the **Purple** marked wire from valve.
- 7. Make sure the Grey (2 Valve) and Grey/Black (3rd Valve) stripe wires are capped, they will short out the controller.

Live 3 Valve

Control cord instructions

- 8. Yellow/Black and Yellow/Red stripe wires are used with the ON/OFF Buttons.
- 9. Hook up **Red** (**12v Power**) wire to the terminal stud on the 10 amp auto resetting circuit breaker as shown above.

The ON/OFF button can be used To run the pump for the live unit using the yellow/Black or Yellow/red striped wires.

Options



Cut the ring terminal 2" back on red wire and it will connect to the post on the 10 Amp Auto resetting circuit breaker that gets attached to the vehicles battery. Run wire from vehicles battery to cut end of red wire the use butt connectors to join back together.



Make sure the Gray and Gray/Black Wires have protective caps or wrap Them In electrical tape –they will short the Controller out. This is a 15 Amp auto resetting circuit breaker. Mount it to vehicle battery using brass studs for both + and – terminals.

Correct way to wire Control Cord 2 valve with wireless (Live only)

X

2

Cut the ring terminal 2" back on the 2 red wires and the black wire. Both red wires go to the terminal on the auto resetting circuit breaker, opposite side form the copper bar. The black wire mounts to the brass terminal on the negative post. Use butt connectors to join the wires back together, then cover with heat shrink tubing.





If the Gray/Black and Gray striped wires are not being used make sure they are capped or taped.

If the Gray/Black and Gray striped wires are not being used make sure they are capped or taped.

C/

Correct way to wire Control Cord 2 valve with wireless (Live only)

The On/Off buttons for the control cord and the wireless remote are not tied together like the other functions. You can run 4 separate things 2 from the control cord and 2 from the wireless controller. Both wireless and control cord use Yellow/black stripe and Yellow/Red stripe wires, make sure If you want the function on wireless you use the wires from the wireless and not the Control cord And vice versa.



The ON/OFF button can be used to turn on the pump.

Hooking up Control Cord to the Short Pigtail from Wireless Receiver

- 1. Plug the **Green** Wire from control cord to the **Green** wire from short pigtail on the wireless receiver.
- 2. Plug the Blue wire from the control cord to the Blue wire from the short pigtail on the wireless receiver.
- 3. Plug the **Brown** wire from the control cord to the **Brown** wire from the short pigtail on the wireless receiver.
- 4. Plug the **Yellow** wire from the control cord to the Yellow wire from the short pigtail on the wireless receiver.
- 5. Plug the Orange wire from the control cord to the Orange wire from the short pigtail on the wireless receiver.
- 6. Plug the **Purple** wire from the control cord to the Purple wire from the short pigtail on the wireless receiver.
- 7. Gray (2 Valve) and Gray/Black (3rd Valve) wires are not used make sure they are capped so they do not short out.
- 8. Yellow/Black and Yellow/Red stripe wires are used with the ON/OFF Buttons of the control cord ONLY.
- 9. Hook up Red (12v Power) wire to the stud on the auto resetting circuit breaker. You will have to modify on a live see picture.

- 1. Plug the Green Wire from the long pigtail of wireless to the Green marked wire from valve.
- 2. Plug the Blue wire from the long pigtail of the wireless to the Blue marked wire from valve.
- 3. Plug the **Brown** wire from the long pigtail of the wireless to the Brown marked wire from valve.
- 4. Plug the Yellow wire from the long pigtail of the wireless to the Yellow marked wire from valve.
- 5. Connect **Black** wire from the long pigtail of wireless to the brass stud on the negative battery terminal. You will have to modify on a live see picture.
- 6. The **Orange** and **Purple** wires from the long pigtail of wireless are not used, make sure they are capped.
- 7. Gray and Gray/Black wires from wireless are not used make sure they are capped so they do not short out.
- 8. Yellow/Black and Yellow/Red stripe wires are used with the ON/OFF Buttons of the wireless controller ONLY.
- 9. Hook up **Red** wire to the stud on the auto resetting circuit breaker. You will have to modify on a live see picture.

This is a 15 Amp auto resetting circuit breaker. Mount it to vehicle battery using brass studs for both + and – terminals.

90

Correct way to wire Control Cord 3 valve with wireless (Live only)

5

+

Cut the ring terminal 2" back on the 2 red wires and the black wire. Both red wires go to the terminal on the auto resetting circuit breaker, opposite side form the copper bar. The black wire mounts to the brass terminal on the negative post. Use butt connectors to join the wires back together, then cover with heat shrink tubing.





If the Gray/Black and Gray striped wires are not being used make sure they are capped or taped.

> If the Gray/Black and Gray striped wires are not being used make sure they are capped or taped.



Page 11

Correct way to wire Control Cord 3 valve with wireless (Live only)

The On/Off buttons for the control cord and the wireless remote are not tied together like the other functions. You can run 4 separate things 2 from the control cord and 2 from the wireless controller. Both wireless and control cord use Yellow/black stripe and Yellow/Red stripe wires, make sure If you want the function on wireless you use the wires from the wireless and not the Control cord And vice versa.



The ON/OFF button can be used to turn on the pump.

Hooking up Control Cord to the Short Pigtail from Wireless Receiver

- 1. Plug the **Green** Wire from the control cord to the **Green** wire from short pigtail on the wireless receiver.
- 2. Plug the **Blue** wire from the control cord to the **Blue** wire from the short pigtail on the wireless receiver.
- 3. Plug the **Brown** wire from the control cord to the **Brown** wire from the short pigtail on the wireless receiver.
- 4. Plug the **Yellow** wire from the control cord to the **Yellow** wire from the short pigtail on the wireless receiver.
- 5. Plug the **Orange** wire from the control cord to the **Orange** wire from the short pigtail on the wireless receiver.
- 6. Plug the **Purple** wire from the control cored to the **Purple** wire from the short pigtail on the wireless receiver.
- 7. Gray (2 Valve) and Gray/Black (3rd Valve) wires from the control cord are not used make sure they are capped so they do not short out.
- 8. Yellow/Black and Yellow/Red stripe wires from control cord are used with the ON/OFF Buttons of the control cord ONLY.
- 9. Hook up Red (12v Power) wire to the stud on the 15 amp circuit breaker. This wire will need modified see picture.

- 1. Plug the **Green** Wire from the long pigtail of wireless to the **Green** marked wire from valve.
- 2. Plug the Blue wire from the long pigtail of wireless to the Blue marked wire from valve.
- 3. Plug the **Brown** wire from the long pigtail of wireless to the **Brown** marked wire from valve.
- 4. Plug the Yellow wire from the long pigtail of wireless to the Yellow marked wire from valve.
- 5. Plug the Orange wire from the long pigtail of wireless to the Orange marked wire from valve.
- 6. Plug the **Purple** wire from the long pigtail of wireless to the **Purple** marked wire from valve.
- 7. Connect Black wire to the brass stud on the negative battery terminal. This wire will need to be modified see picture.
- 8. Gray and Gray/Black wires from long pigtail of wireless are not used make sure they are capped so they do not short out.
- 9. Yellow/Black and Yellow/Red stripe wires from the long pigtail of wireless are used with the ON/OFF Buttons of the wireless controller ONLY.
- 10. Hook up **Red** wire from the long pigtail of wireless to the stud on the auto resetting circuit breaker. This wire will need modified see picture.