

These directions will explain typical control installations only and will not cover any plow light applications. See website for full color installation manual

Warning you must unplug the power plug from the truck / equipment after each and wire in an on off switch (included) on the ground wire of the receiver. Failure to do this could result in accidental operation, battery drainage over a long period of time, serious injury or even death.

Intended for off road use only.

Receiver / Solenoid Box Details All Plows See Fig 1

Truck side- Connect a 4 gauge power ground plug directly to the positive and ground of the battery and route it through the grill.

Plow Side connections. Connect a 4 gauge power ground plug (red) to one of the larger posts on the solenoid (this will become the always hot post). (Black) to the ground post on gray enclosure box

Connect a (black) 4 gauge wire with eyelets from ground post of plow motor to ground post on gray pvc enclosure box.

Connect a (red) 4 gauge wire with eyelets from positive post of plow motor to other large post of solenoid.

Connect a (black) 14 gauge 3" wire with eyelets from one of the small posts of the solenoid to the ground post on the gray pvc enclosure box.

Connect gray wire from wireless to other small post on solenoid.

Connect the black wire from the wireless to the ground post on the gray pvc enclosure.


Connect the red wire from the wireless to the hot side of the solenoid.


Lighting- There are numerous variations of how to control the equipment lighting based on equipment and vehicle type which is not covered in our manuals. The best way is to use an automotive relay (see instructions in this manual) and one of the extra on off functions of the wireless unit.

Transmitter Button Assignment details All Plows. See Fig 2




Button 1 label as (1) optional latching circuit to be used with automotive relay for lights... Yellow Wire

Button 2 label as (2) optional latching circuit to be used with automotive relay for lights... White Wire

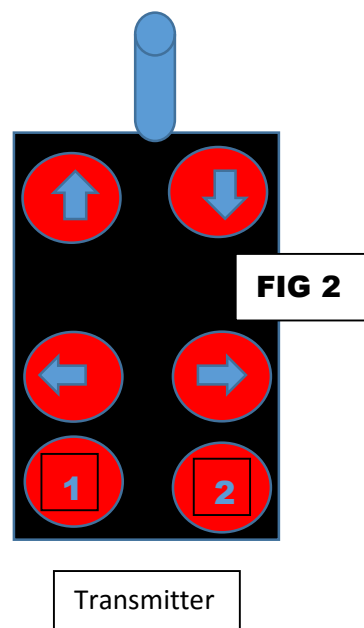
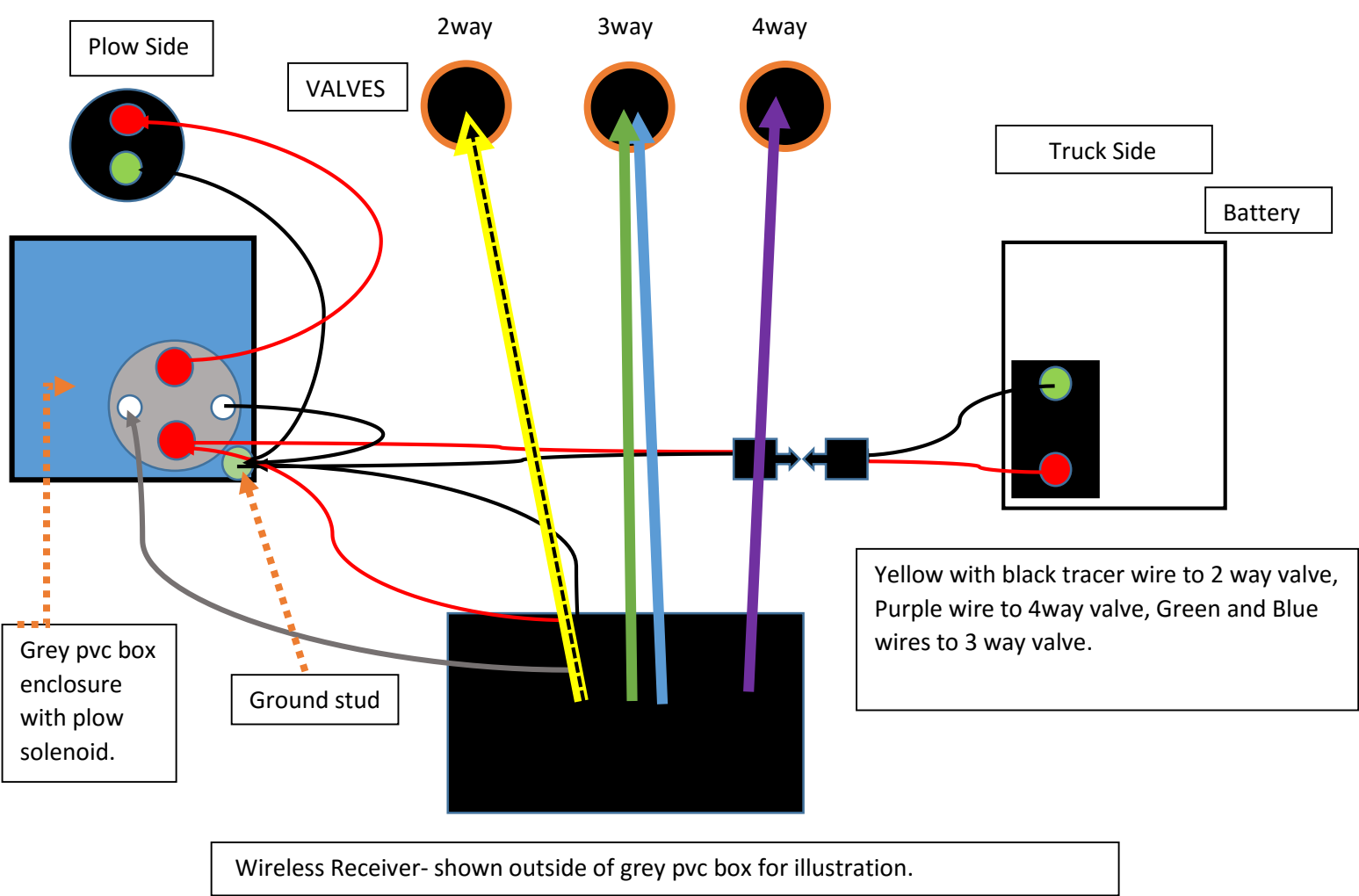
Button 3 label as  for angle left momentary with double pull on gray wire also operates Green and Purple Wires

Button 4 label as  for angle right, momentary with double pull on gray wire for angle right...Blue Wire

Button 5 blank, Button 6 blank

Button 7 labeled  for up momentary with double pull to gray wire for raise up...purple wire Button 8 labeled  for down  latching for float mode, up button will take it off float or press button (D) a second time to unlatch.... Yellow with black striped wire

Western and Fisher Straight blade controller wiring diagram. FIG 1



VALVE WIRING

For Western and Fisher straight blade plows locate the 2w, 3w and 4w valves. SEE FIG 1

Connect the yellow with black tracer wire to the 2w valve coil.

Connect the green and blue wire to the 3w valve coil .

Connect the purple wire to the 4W valve coil

The black ground wire of the unit must me grounded to the valve coils also

On newer Western Ultramount 2 straight blade plow systems it is possible to remove or disconnect the controller portion of the module boxes that the oem controller uses and wiring in the new wireless.

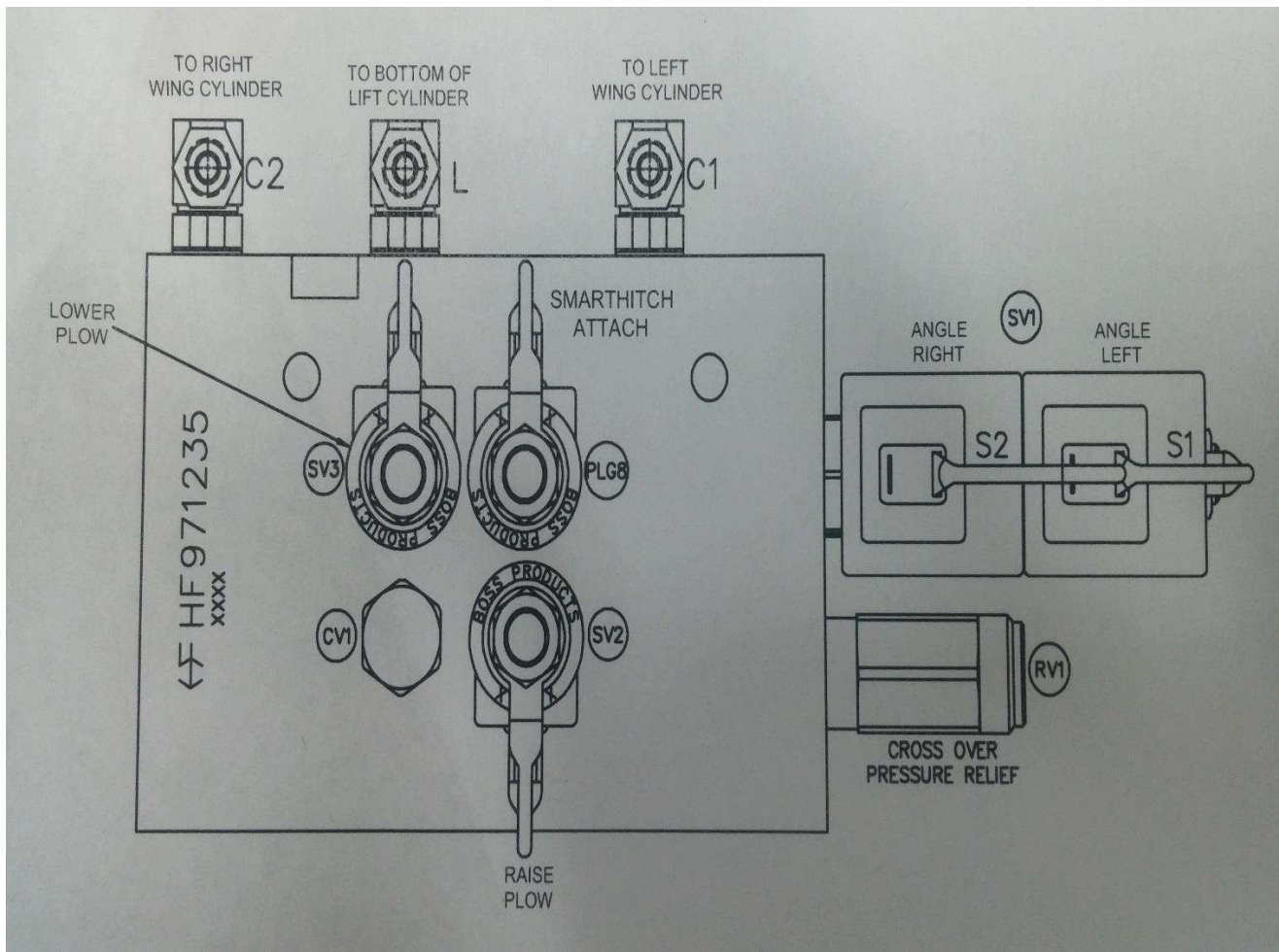
For Boss Straight Blade Plows FIG 3

Connect Yellow with black tracer wire to SV3 lower valve coil

Connect Purple wire to SV2 raise valve coil

Connect Green and Blue wires to the S1 angle left coil

FIG 3



For Hiniker Straight Blade Plows FIG 4

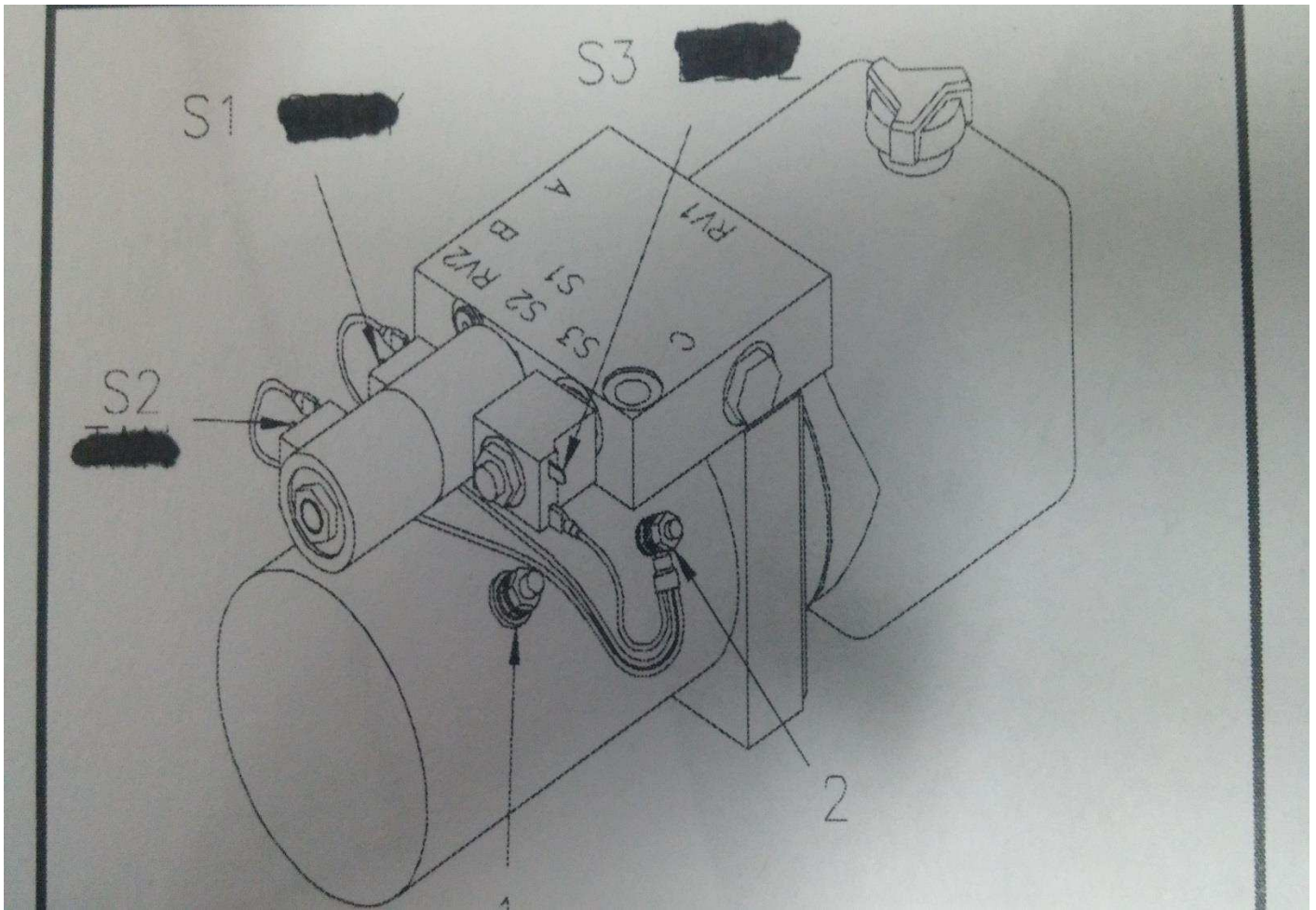
Do not use purple wire tape and tuck

Connect Yellow with black tracer wire to S3 lower valve coil

Connect Green wire to the S1 angle left coil

Connect the Blue wire to the S2 angle right coil

FIG 4



For Meyer E-46 and E-46H ONLY Straight Blade Plows FIG 5

Do not use purple wire tape and tuck

Connect Yellow with black tracer wire to A valve coil

Connect Green wire to the B angle left coil

Connect the Blue wire to the C angle right coil

For Meyer / Diamond E-47, E-47H, E57, E-60, E-60H ONLY Straight Blade Plows FIG 5

Do not use Blue Wire Tuck and Tape

Connect Purple wire to B valve coil

Connect Yellow with black tracer wire to A valve coil

Connect the Blue wire to the C angle right coil



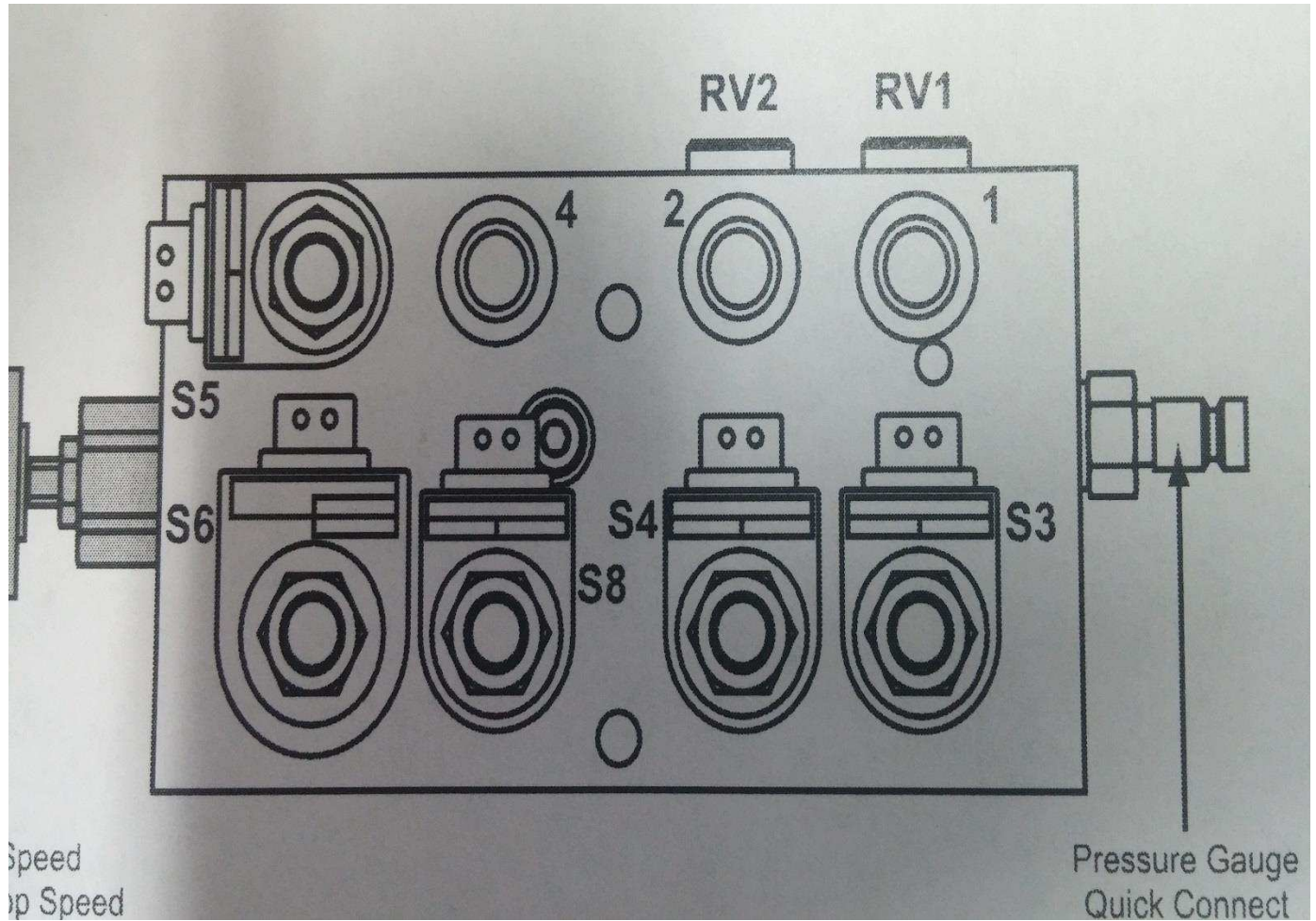
Blizzard Straight Blade Plows 680LT / 720LT

Connect Purple wire to S6 coil Raise

Connect Yellow with black tracer wire to S5 and S8 coil Lower

Connect Green Wire to S3 coil Angle Left

Connect Blue wire to S4 coil Angle Right



Blizzard Straight Blade Snow Plow 7600HD 8000HD 8600HD 9000HD

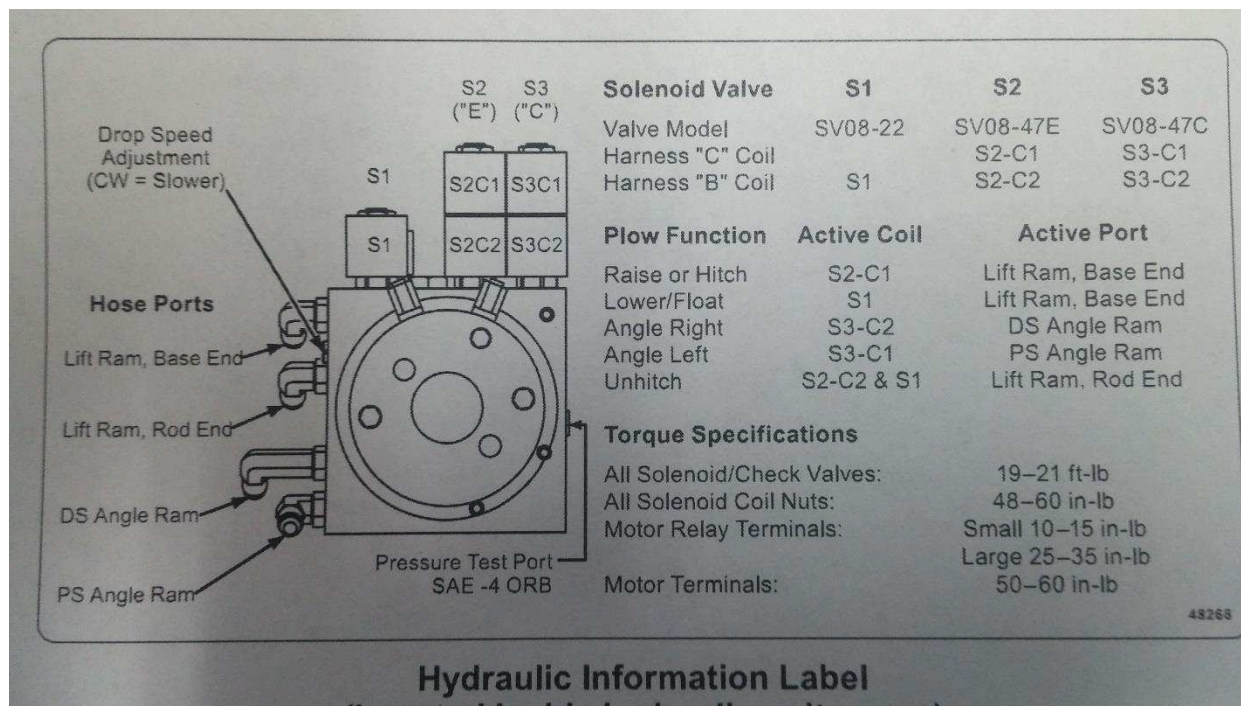
Connect Purple wire to S2C1 coil Raise

Connect Yellow with black tracer wire to S1 and S2C2 coil Lower

Connect Green Wire to S3C1 coil Angle Left

Connect Blue wire to S3C2 coil Angle Right

Leave power switch and Arm Blade operation switch intact.



Snoway Straight blade plows Gravity down (non down pressure plows)

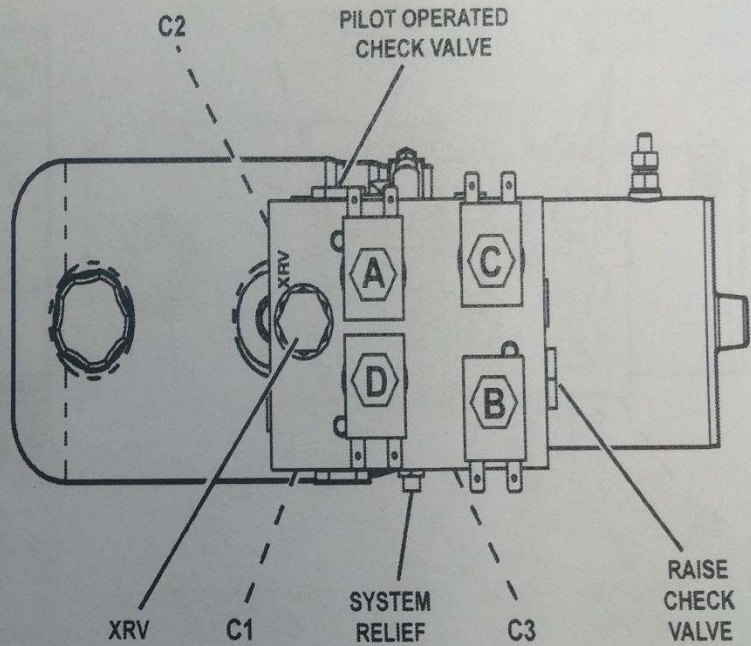
Connect Yellow with black tracer wire to B lower valve coil

Connect Purple wire to C raise valve coil

Connect Green wire to the D angle left coil

Connect the Blue wire to the A angle right coil

PLOW FUNCTION	MOTOR SOLENOID	A	B	C	D
WIRE COLOR	BROWN	RED	BLUE/WHITE	TAN	GREEN
RAISE	X			X	
DOWN (FLOAT)			X		
ANGLE LEFT	X				X
ANGLE RIGHT	X	X			



STRAIGHT BLADE SNOW PLOW CONTROL INCLUDES.

Wireless receiver with wire leads, weather proof enclosure and cover with screws.

Wireless transmitter with 3m glow in the dark label and raised button labeling.

Rubber boot and lanyard for transmitter

STRAIGHT BLADE SNOW PLOW KIT INCLUDES

(1) pvc enclosure box to mount on plow side

(1) sealed cover for pvc enclosure box

(1) snow plow solenoid

(1) wireless programmable receiver in sealed weather proof enclosure

(1) wireless transmitter with 3m raised button glow in the dark label and rubber protection boot and lanyard

(1) plow side power ground cable plug end

(1) truck side power ground cable plug end

(2) truck and plow side plug dust covers

(1) 24" #4 gauge black ground cable with eyelets (plow motor to enclosure)

(1) 24" #4 gauge red power cable with eyelets (plow motor to solenoid)

(1) short 14 gauge ground wire solenoid.

(4) 3m velcro strips to secure wireless inside enclosure

(1) Ground stud for enclosure box.

Misc hardware, cover screws, wiring connections

Complete instructions

Other Considerations and Disclaimer

Some straight blade plows are not covered in this manual as we cover most of the major brands. Use these directions as a guide for other brands.

DISCLAIMER- Not responsible for errors in this manual. There may be some variations of the common wiring connections from brand to brand. Intended for off road use only. As with any equipment safety guidelines should be followed at all times. Keep children, pets and all persons away from the equipment when operating. Disconnect the power when not using to prevent accidental operation. Protect all circuits with fuses to prevent shorts.

The trade names Boss, Western, Meyer, Blizzard, Diamond, Hiniker, Snowway and any others are mentioned for illustration purposes only. This product is not in any way authorized for use by these manufacturers as is any non oem part or accessory.

The end user assumes all liability in the proper installation and application of this product.

Programming Transmitter to Receiver:

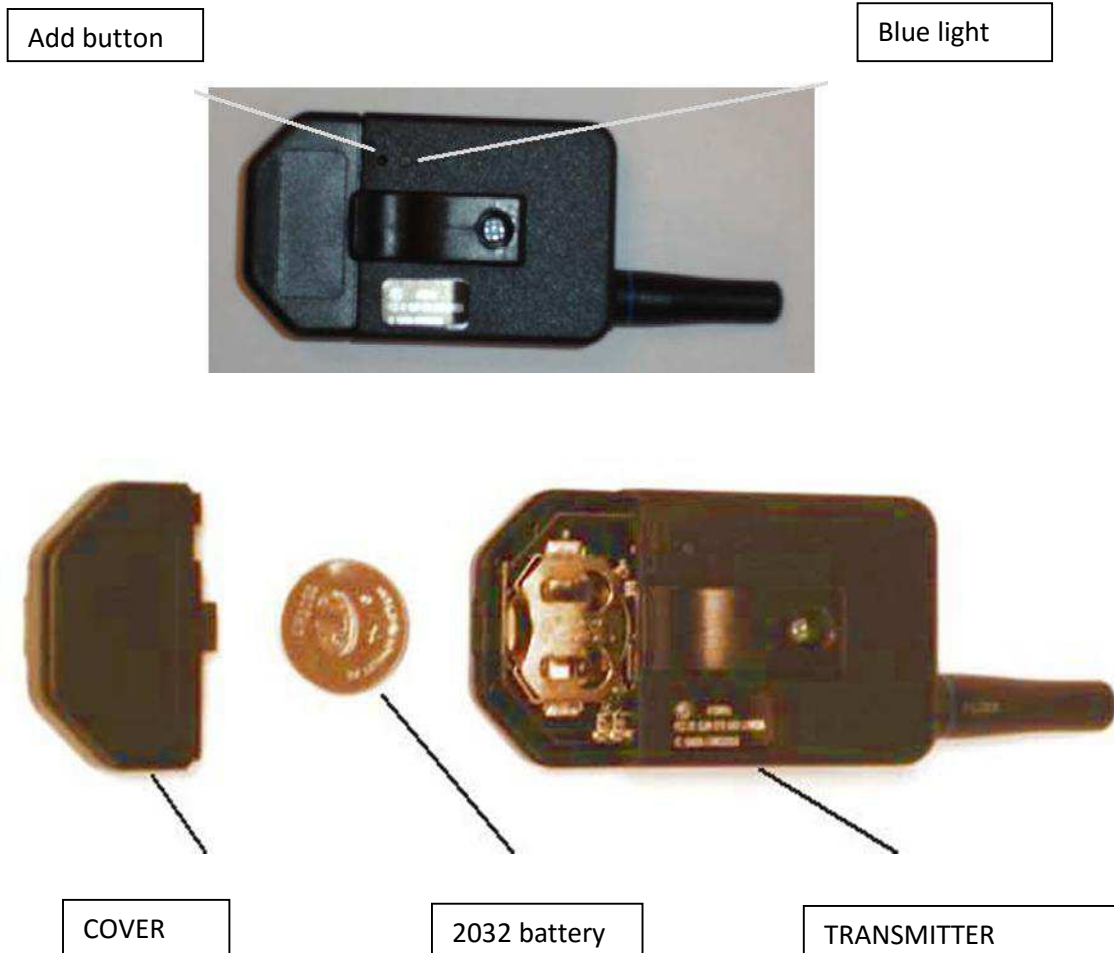
The following are the step by step procedures for setting the unique address between the transmitter and receiver or adding extra transmitters to the receiver (up to 40 transmitters).

Note you need to be next to the receiver and the receiver needs to have 12 volt power and ground connected and the cover off of it.

On the backside of the standard Transmitter, use a paperclip and **GENTLY** insert it in the hole next to the clear blue window. Once the programming button is depressed, a blue LED will begin to blink for 15 seconds. Flip the Transmitter over and firmly depress all 8 buttons starting with the ON button within 15 seconds. Now the Transmitter has acquired a 1 in 16 million address. **MAKE SURE THE BLUE LIGHT GOES OUT BEFORE PROCEEDING.**

Next step is to remove the receiver box cover noting the drain hole positions in the cover. With the receiver connected to a 12VDC power source look inside the box next to the red LED depress the black programming button. The red LED will begin to flash for 15 seconds. Take the Transmitter while the red LED is flashing and depress all buttons one at a time on the transmitter. When you are finished press the black button on the receiver again and the red light will stop blinking and you are now programmed. To test this press a button on your transmitter and the red light on the receiver will come on. Re-install the cover noting drain hole position, depress the "OFF" button on the transmitter to make sure the unit is off. .

The 625 is now ready to operate the DC motor.



12 volt automotive relay installation instructions. For lighting and other devices

When hooking up external devices like vibrators, and any items that require more power than the wireless unit allows you must use automotive 40/60 relays and follow the diagram below.

A relay is basically a switching device. The difference is that it can handle more amperage than a typical switch allowing a typical switching device to power high amperage devices.

- 1. 12 volt power from battery connects to pin 30**
- 2. Battery ground connects to pin 85**
- 3. Power in from activation switch or remote connects to pin 86**
- 4. Pin 87 connects to device that needs to be operated. Example valve, motor, lights....**

Note wire that connects to pin 30 must be as large or larger than the device you need to operate that's connected to pin 87

You should fuse or diode protect pin 85 and 87 to prevent back feed.

87a will have power when the unit is idle. This pin is not typically used in applications.

