



Massey 8570 Series

Ground Speed Installation

The Ground Speed sensor is normally located on the right hand side of the machine and can be mounted as seen in the picture to the right.



Header switch

There are 2 options for the header switch.

Pull Switch with Spring.

The header Switch performs an important function and must be installed such that adjustment of the chain can be made for varying crops and headers. Below is a typical installation where very little of the chain has been used to connect the switch to the feeder house.



Use the following general rules when installing the header Switch:

1. The chain must pull on the switch as straight as possible.
2. When attaching the chain to the feeder house, make sure a location is picked that will not be damaged by crop residue building up around the chain and sensor.

The basics of this sensor are that when the spring is pulled tight the head is in the "down" position. When the tension is released the head is in the "up" position. Often it will take several attempts of raising and lowering the head to get the proper tension. This sensor should be mounted on the right hand side of the cab so you can then run the wires to the junction box.



Massey 8570 Series

Proximity Sensor (optional)

It is possible to use a proximity sensor to sense the feeder house for the header position. The picture below shows a proximity sensor installed on a MF 8570 Combine. The sensor is used to sense the metal of the feeder house when the header is the up position.



Proximity Sensor Installed on MF8570

Yield Sensor Installation

The Yield Sensor is the most critical part of the system. Plan the installation of this sensor carefully prior to drilling any holes.

It is highly recommended that plates 1 1/4" X 2" be installed on the paddle brackets. It may be possible to make the system work with out these plates but it is unlikely that accurate results will be obtained with out these plates. Loup Electronics supplies 36 plates that cover the bracket, such that the Yield sensor "sees" the plate as a part of the machine at all times.

For installing this sensor, a Step bit is highly recommended, these can be purchased at most tool and hardware stores, one the will drill a hole diameter of 7/8" will be required. The goal of the installation is to place the sensor as high up on the elevator as you can physically get it. This should be just below the floor of the grain tank.



8000i Yield Monitor Install Guide

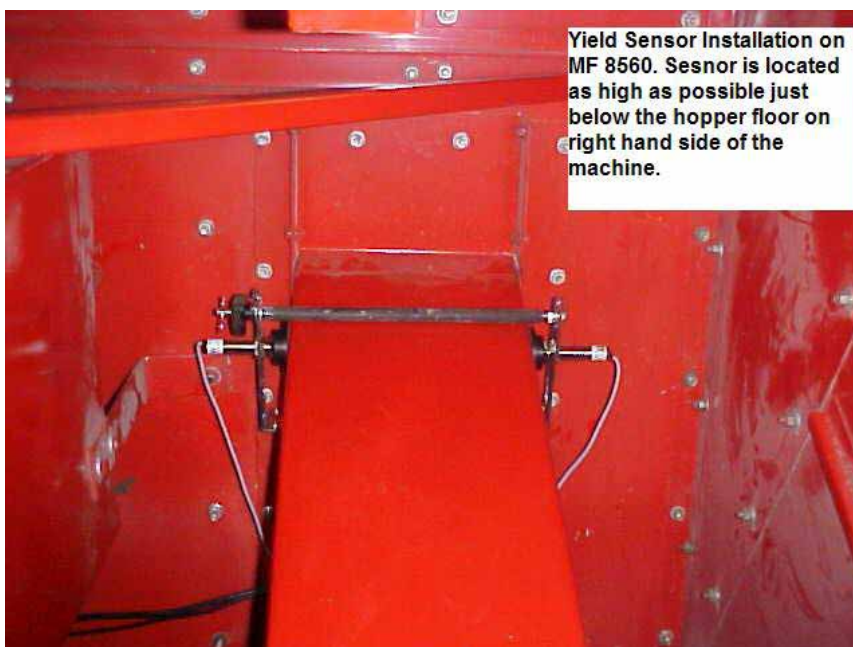


Massey 8570 Series

The horizontal (X) position for the sensor eyes is 50mm from the rear of the elevator. If your paddles are worn on the ends you will want to move the X position in slightly, but not too far in so you are catching portions of the chain. The goal is to mount the sensor in the middle of the paddle without catching any chain.



8570 Installation Picture

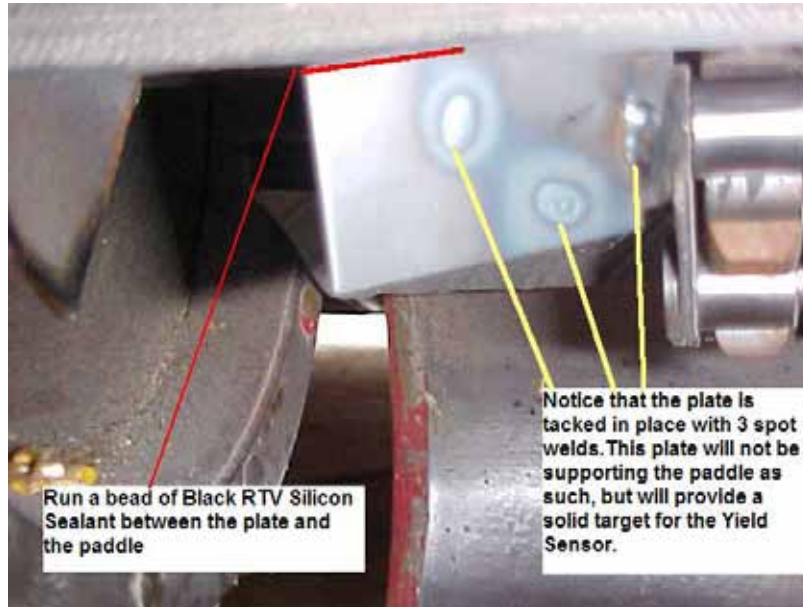




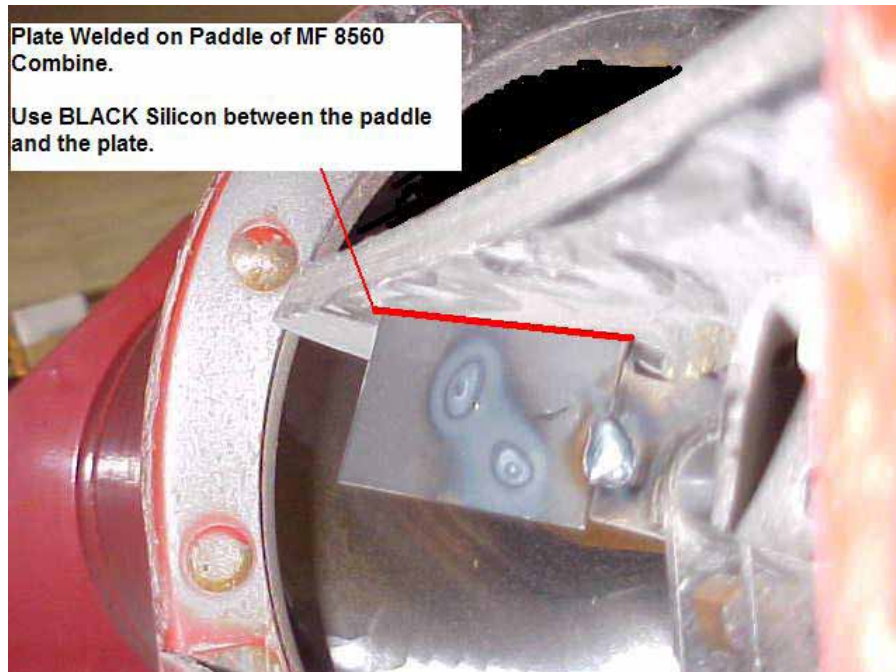
Massey 8570 Series

Target Plates Installation

The picture below shows the target plates welded to the paddle brackets of a MF 8570 Combine. Locate the bag of 37pcs of 2" X 1 1/4" Metal Welding Tabs



MF 8570 with Plate installed.





Massey 8570 Series

Moisture Sensor Installation

Remove Clean Out Door from the bottom of the clean grain elevator.



Cut a 3.25" hole **not** directly on the bottom. Locate the sensor towards the loaded paddle side of the elevator, towards the rear of the machine (about a 30-45 degree angle).



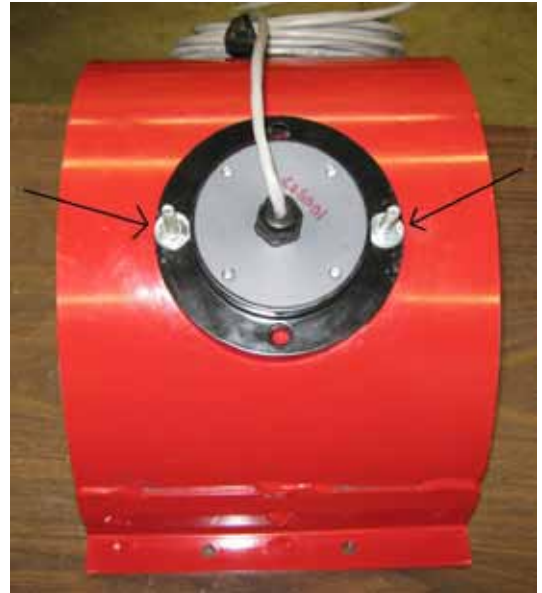


Massey 8570 Series

Check sensor fit to the door. If needed grind the outer lip of the moisture sensor to allow a close to flush fit the door. Proper fit requires that ceramic sensor surface is flush with the inside of the elevator door on the door. The outer ring should hold the sensor assembly from rocking on the mounting surface.



Drill Two 5/16" diameter holes 4 1/8" apart. Centered on the 3.25 diameter hole. Use the sensor housing to mark the location. 1/4" X 1" Carriage Bolts are used to hold the sensor in place.



Use JB Weld Putty to blend the leading and trailing edge of the sensor to seal the sensor housing to the trap door to prevent grain leakage.

Route the cable up the back side of the clean grain elevator and to the front of the combine.





8000i Yield Monitor Install Guide



Massey 8570 Series

Console Mounting

Please refer to Manual:

PS8000i Ceres Yield Monitor

Installation
Section: 2.2
Page: 8



Junction Box Installation and Wiring

For instruction on mounting and accessing the Junction Box, please refer to Manual:

PS8000i Ceres Yield Monitor

Installation
Section: 2.0
Pages: 5-6

Important Note: For all wiring except the moisture sensor and power, please refer to Manual:

PS8000i Ceres Yield Monitor

Installation
Section: 2.1.3-2.1.4
Pages: 6-7



Moisture Sensor and Power Wiring Configuration is on the following pages.



Massey 8570 Series

Moisture Sensor Wiring Configuration

This setup is using the Gray cable supplied from the FG Moisture Sensor.

The following connections must be made at the Junction Box to obtain correct readings from the FG Moisture Sensor.

Locate the Moisture Sensor Connections on the Junction Box.

The Moisture Sensor Cable enters the junction box as shown in the illustration above. Connect the Black wire to the 0V Terminal at Moisture Sensor Location on board. Connect the Red wire to the +12V Terminal at Moisture Sensor Location on board.



Note: The Other 3 Terminals on the junction box will not be used.

Connect the Green wire from the moisture sensor to the Gray wire from the Head Unit. Connect the Clear wire from the moisture sensor to the White wire from the head unit.

Power Supply

Please refer to Manual:
PS8000i Ceres Yield Monitor

Installation
Section: 2.7
Page: 15



Massey 8570 Series

Software Configuration for the FG Moisture Sensor

From the main operate screen. Press the setup button and you will see the setup screen to the right.

Select number 2 Technician.



Enter the Pin (1234) then press the enter button to see the screen at right.

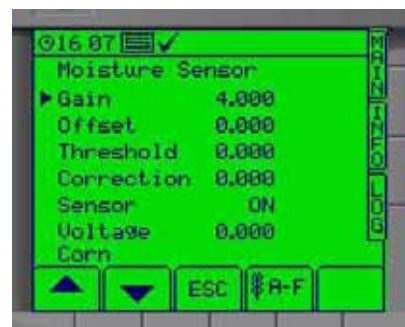


Select number 4 Temp Sensor.
Input the correct temperature in Degrees C.
The conversion for temperature is:
Degrees F – 32 x .555 = Degrees C.
Press Enter Button to accept changes.
Press the Esc. Button to exit the temperature settings.



Select number 2 Moisture Sensor and change the Gain and offset as shown in chart below: (Use the A-F button to change between crops)

Crop	Gain	Offset
Corn	4.0	0.0
Wheat	3.6	2.4
Soybeans	3.37	0.0
Canola	1.0	9.5
Oats	2.975	3.0
Barley	1.9	9.3



If you have any questions, call Loup Electronics.
Phone: 1-877-489-5687