Bestbale™

Installation Instructions
430 Lite Series
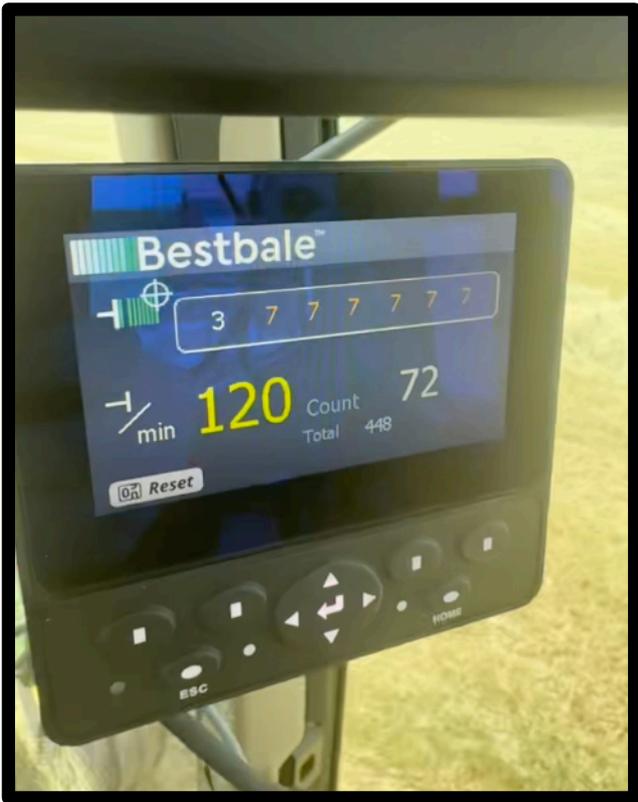## Massey Ferguson 1842S

Scan for online instruction manual

Mount the monitor in the tractor

Connect cab harness to 12v power

To monitor

Connect to
12v keyed power

Red=power   *black=ground*

To baler

Install stroke counter sensor


Sensor mounting location

Sensor mounting bolt

Install stroke counter sensor

IMPORTANT: Gap must be <u>no more</u> than ¼"

1) Turn flywheel by hand so feeder fork bar is at the closest possible point to the sensor.
2) Adjust the bracket so there is <u>NO MORE THAN ¼" GAP AT THE CLOSEST POINT.</u>
3) Tighten bracket to frame.
4) Secure sensor to bracket. Locktite may be used.
5) Check periodically to make sure nuts stay tight.

LED light if triggered

(7 mm)
**¼"**
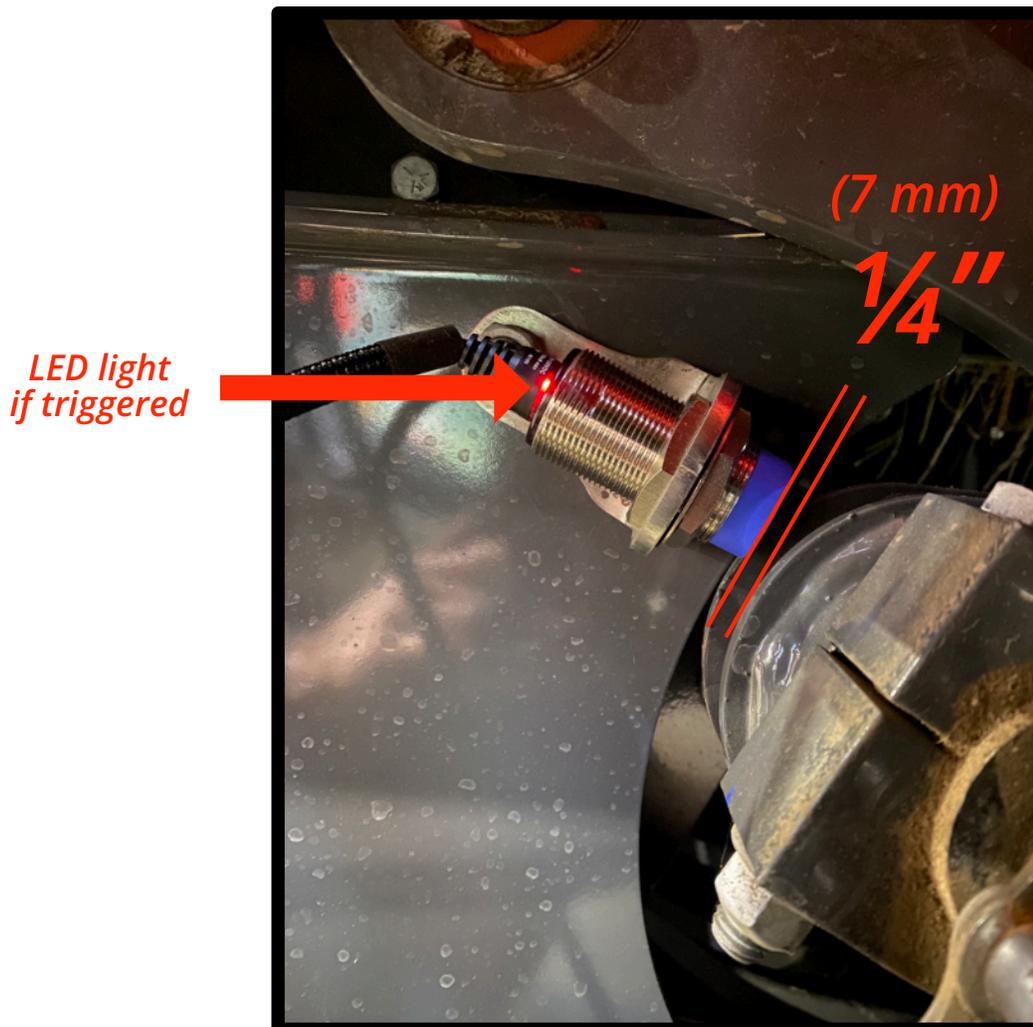
Install bale tie sensor

Video of bale tie sensor installation tips (MF1840 shown)

IMPORTANT: Gap must be <u>no more</u> than ¼"

1) Check M30 x 1.5 jam nuts periodically to unsure they remain tight.
2) Damage caused by unsecured jam nuts are not covered under BestBale warranty.
3) Locktite may be used to help secure the jam nuts.

Install bracket using these two holes
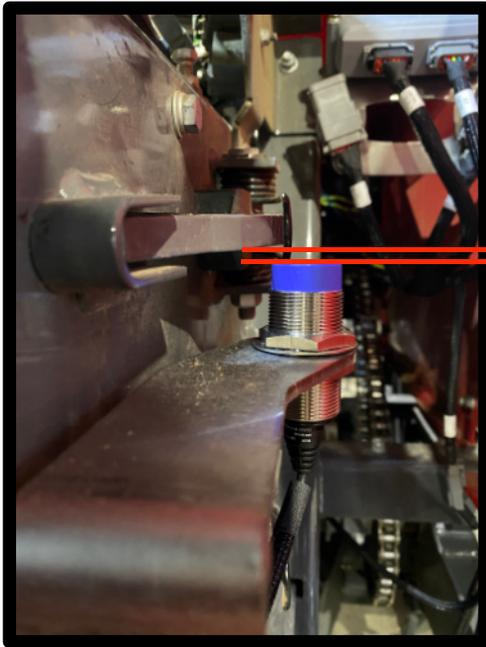
Set gap on sensor and tighten jam nuts

¼" (7 mm)
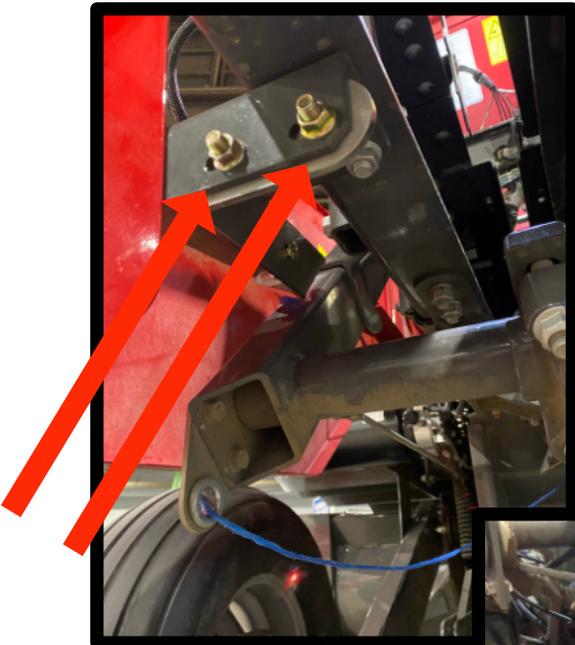
LED illuminated in home position

Install flake sensor

IMPORTANT: Gap must be <u>no more</u> than ¼" when the hay dog is fully extended.

1) Set distance between the edge of the sensor and the "point" on the hay dog in the home position to 3/8" (9.5mm).

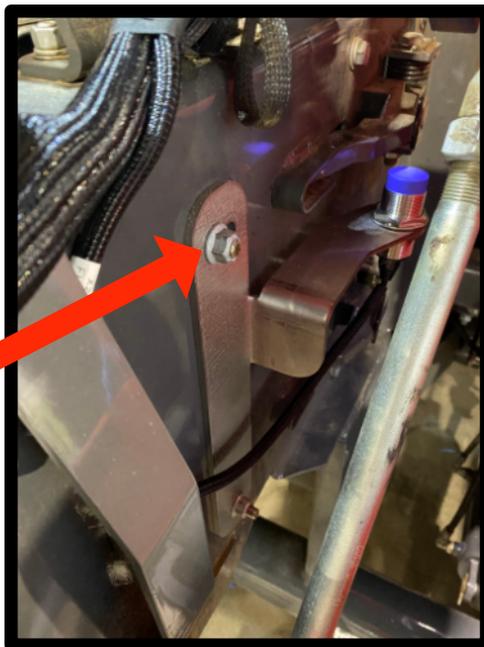*2) Open the hay dog so it is extended over the sensor and set that gap to NO MORE THAN ¼" (7mm).*

¼"
(7 mm)

3/8"
(9.5 mm)

"Point" on hay dog

Adjustment bolt

Run baler wire harness

A1/A2 Power in (12v 7.5 amp req)
C5 Monitor
C6 Tractor to baler
X6 Baler to tractor
X11 Stroke sensor
X14 Bale tie
X16 Gazeeka/aux
X17 Scale amplifier
X22 Flake counter
X100 Scale/Moisture (if installed)

Scale/Moisture Harness (if purchased)
SC100 to baler harness X100
SC101 Scale Amp
SC102 Gazeeka/Aux

First branch off at this P clamp

Cross over baler
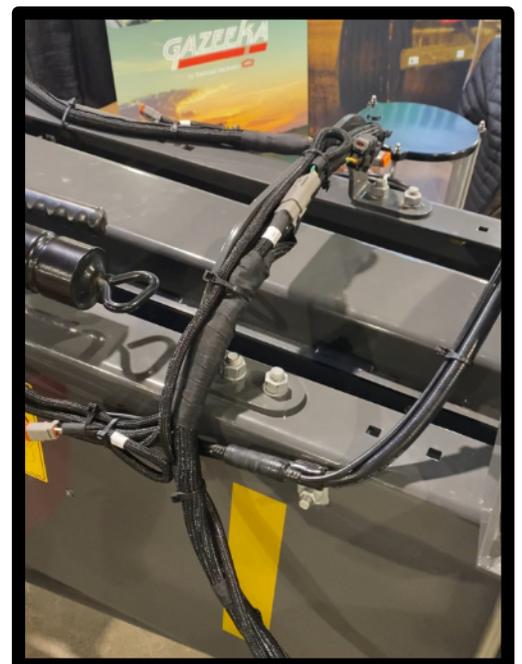
Install scale amplifier

Video for performing a hard zero of the scale amplifier

**Install box to bracket,
then bracket to baler.**

**Connect M12 wires from scale
(no order)**

Connect X17 wire harness

Perform hard zero if necessary

Install scale

Video for F500-18 scale installation overview (MF1840)

Reverse bale chamber support bracket

Install shock mount gauge & shock

Start at middle setting for 50-60 lb bales

Install spacers/washers/nuts

Install scale

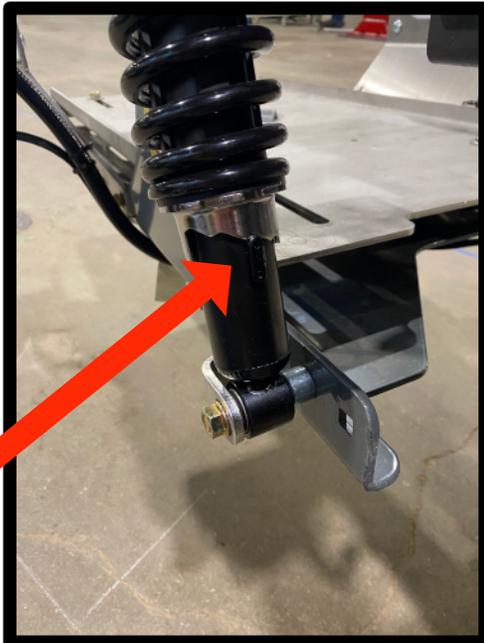## IMPORTANT: Scale must weigh, drop bale, and have no weight before the next bale touches the scale.

1) Set the coilover spring tensioner at the bottom of the shock absorber to the middle setting
2) Adjust the scale platform forward/backward to desired bale length setting
3) Adjust upper shock mount up or down to set platform parallel with the baler chamber or slightly raised from the parallel position.

Parallel or slightly raised when empty

Slightly angled when loaded

Rebounds up and has no weight before next bale touches

Make sure baler is level to the ground when installed on tractor hitch.


This is set for a ~36" bale

TIP: Set the platform farther forward for shorter, stickier bales, (alfalfa, steamer, etc) and farther backward for longer, more slippery bales (grass, straw, etc). Platform has adjustment for roughly 30-38" bales.

¼ Turn Scale Install

IMPORTANT: Scale must weigh, drop bale, and have no weight before the next bale touches the scale.

1) Set the coilover spring tensioner at the tightest setting on both sides.
2) Adjust the scale platform all the way forward
3) Adjust upper shock mounts up or down to set platform parallel with the baler chamber or slightly raised from the parallel position.
4) Use chain to anchor Stop Arm
5) Adjust Kicker Arm to kick bale off the platform before the next bale touches the scale.

Adjust both sides the same.

Stop Arm

Kicker Arm
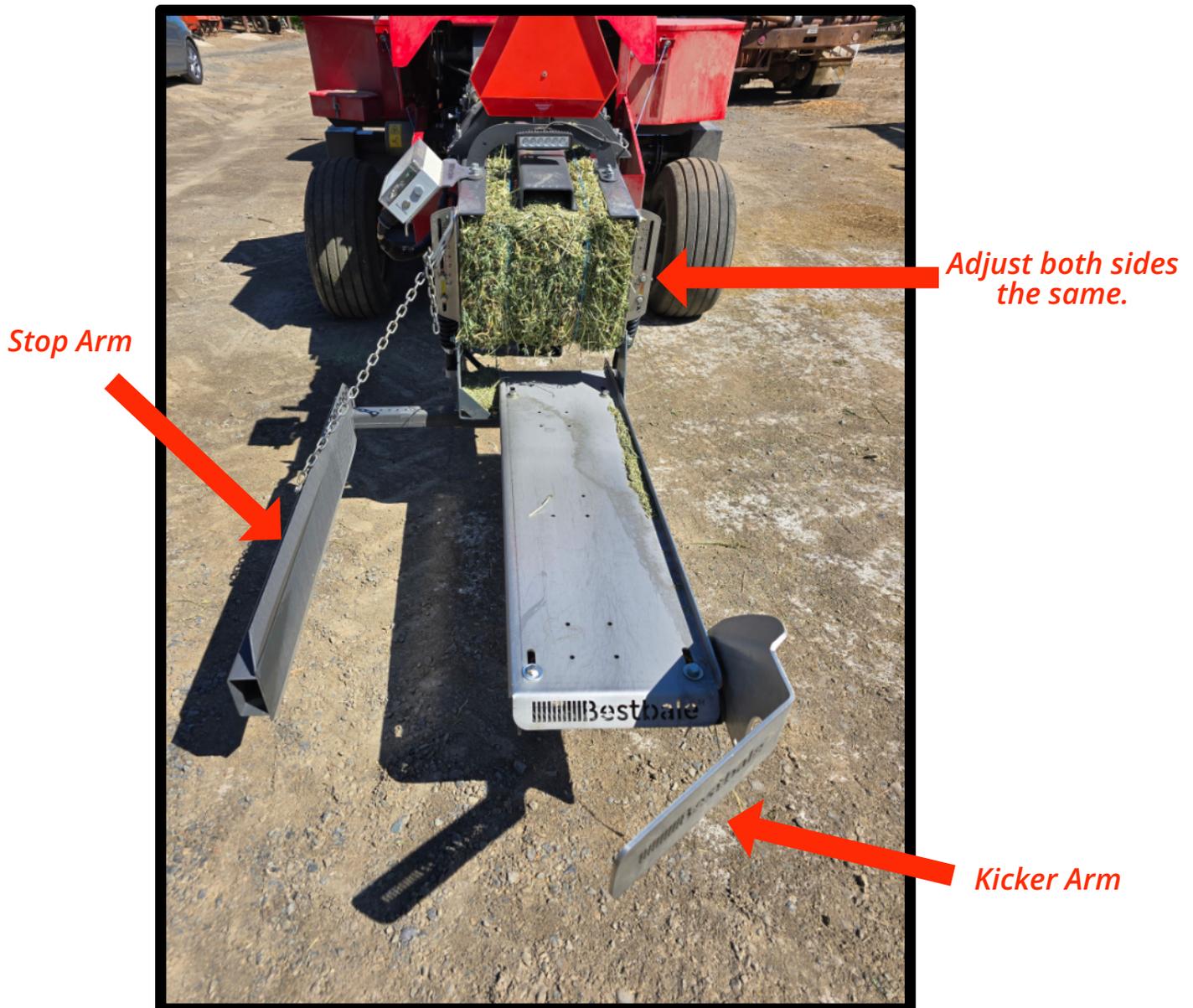
Install Gazeeka

Video for Gazeeka software update

Video showing Gazeeka installed on scale

Make sure plug is inserted into left connector

Must have Gazeeka 25.03 software or later, CANMODE set to"OEMB"

Connected to: 180

GAZEEKA

Set Parameters
Can Mode   OEMB

MENU   ITEM   FIELD   ENTER

F1   UP   DOWN
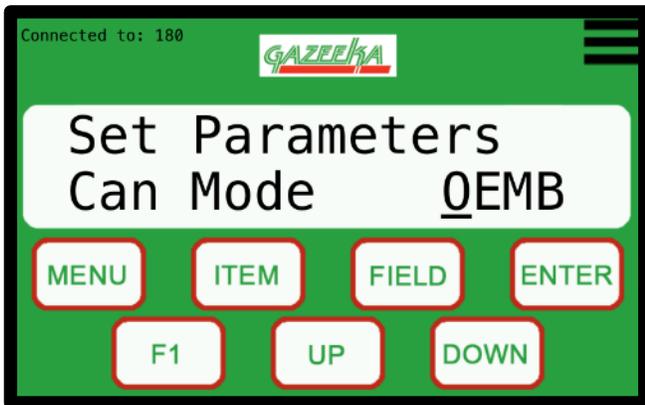
Plug adapter harness into Gazeeka and SC102 plug.

Install Gazeeka brackets to scale. Air calibrate after installation.

Ensure scale is still parallel with the chamber or slightly raised

Troubleshooting

Baler strokes per minute (yellow number) reads 0 when the PTO is on.

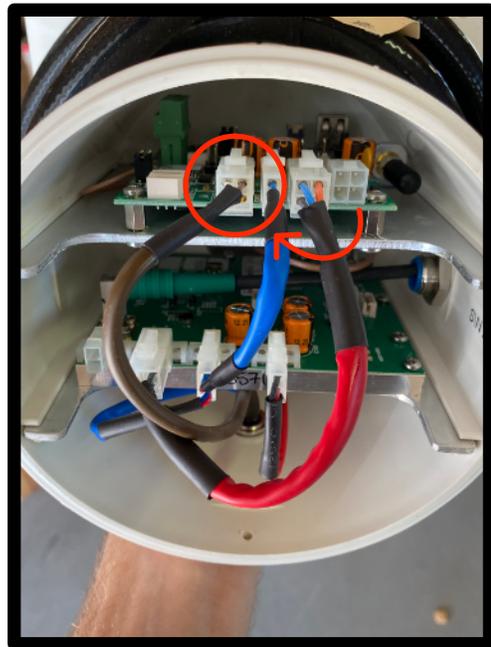*1) Check that stroke counter is plugged into X11.*

2) Check that the stroke counter sensor is within .250" of the feeder fork arm and that the red LED light is illuminated when triggered.

3) If no light, make sure there is power (12v) going to the baler and to the X11 connector. Use frame ground to check power to X11, pin 1 (red wire).

Scale reads more than 2.0 lbs or less than -2.0 when empty.

1) Perform hard zero calibration found in the video on "Install Scale Amplifier" page.

Flake counter sensor not working.

1) Make sure "Flake Sensor" is enabled under the "Options" page in the Settings menu

2) Check clearances on flake sensor found on "Install Flake Sensor" page in this manual.

3) NOTE: Flake counter will only register once per stroke sensor trigger.

Field count is increasing more than once per tie cycle, and flake count shows many zeros.

1) Most likely the sensor is triggering more than once per tie cycle. This can happen if the sensor is not close enough, or there is excessive play in the needle carriage assembly.

430 Lite Series *Quick Start Guide*

Basic Screen

Flake per bale

Strokes per minute

Bales per field
(reset with button)

All time bale count
(non resetting)

Hold 3 seconds
to reset field count

Toggle screens:
Home, Settings, Diagnostics, etc

Return to Home
from any screen

Options Enabled

Bale weights
(if scale is enabled)

Moisture Readings
Gazeeka: Instant, Average, & Peak
Pads: Left & Right

8 bale average weight

Enable Options

*Use Home button to get to Options screen.
Use Up/Down and Left/Right arrows to enable purchased options.*

*On Diagnostics page, the Bale Tie, Plunger, and Flake Sensor are all
"0" when not triggered, and "1" when triggered.*

*Still have questions? Contact us at www.bestbaleusa.com or check out our
Facebook group BestBale Owners Group for more helpful tips.*

*Jared Herbst 208-993-1959 call, text, and Facetime available
Darren Herbst 208-557-1607 call and text available*