

REDEKOP™

BLOCKAGE SENSOR AFX & NH

INSTALLATION MANUAL

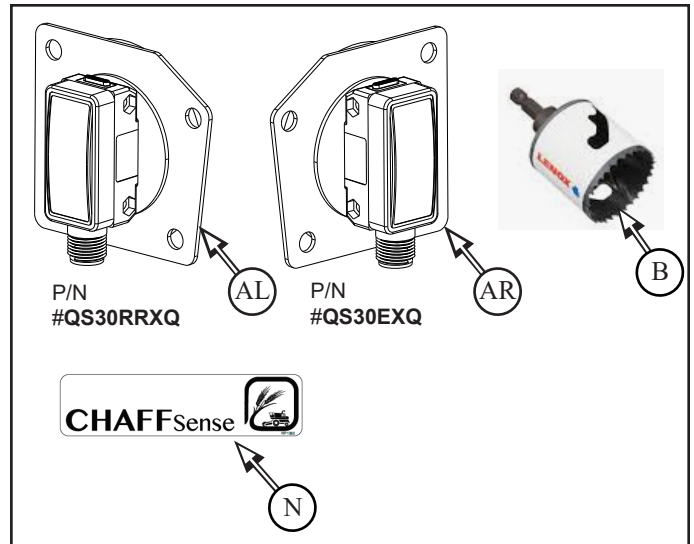
PRODUCT NUMBER: **850-007**

SC0158-02_R4

1 Optical Sensors Installation

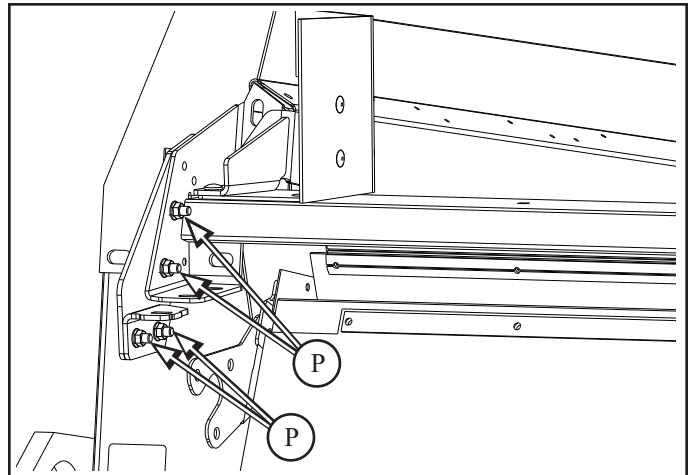
Parts List:

SC421BAL	Blockage Sensor Receiver - Left (AL)	Qty 1
SC421BAR	Blockage Sensor Emitter - Right (AR)	Qty 1
RP1336	Hole Saw (B)	Qty 1
RP1362	Decal CHAFF Sense (N)	Qty 2

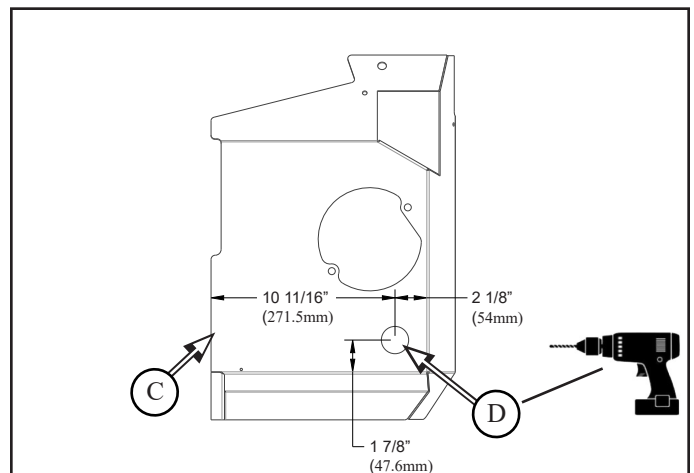


1.1 **CASE III** AGRICULTURE

1.1.1 Ensure sieve extension hardware (**P**) x4 has the bolt head on the outside and nut on inside
- this will prevent the bolt from scratching the blockage sensor with the movement of the sieve extension
- both sides

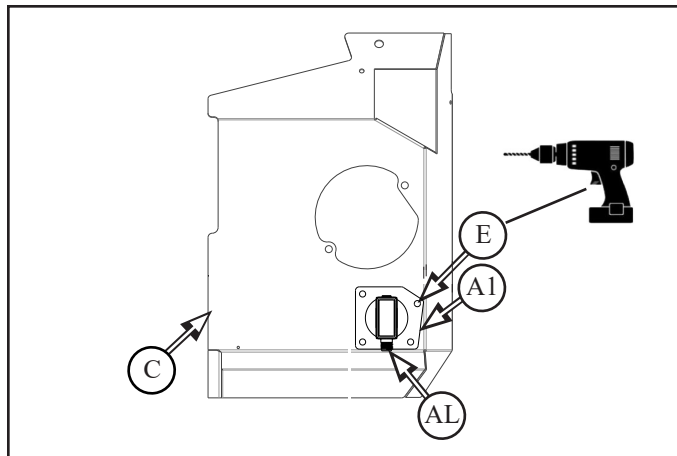


1.1.2 Drill 41mm hole (**D**) with supplied hole saw (**B**) through left vent cover (**C**) as shown



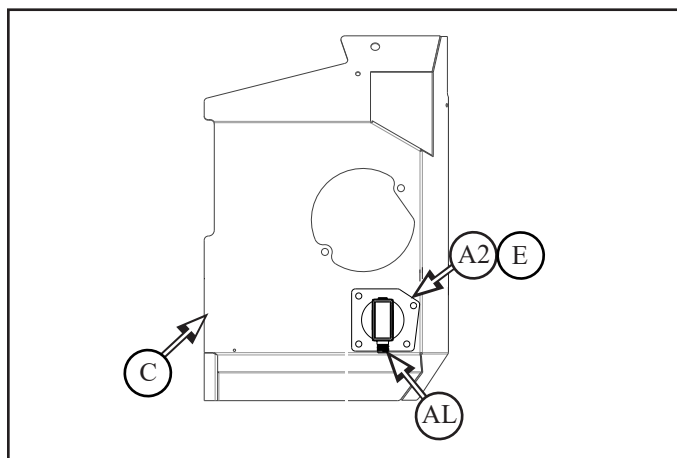
1.1.3 Place left blockage sensor assembly (**AL**) into hole (**D**)

1.1.4 Using blockage mounting plate (**A1**), mark / drill 6mm holes (**E**) x4 through vent (**C**)



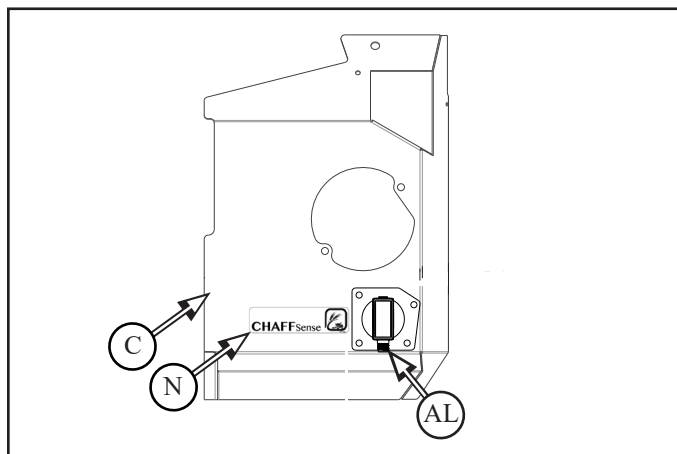
1.1.5 Secure blockage sensor (**AL**) onto vent (**C**) through holes (**E**), with:

- M6 x 12 flange head bolt and flange nut (**A2**) x4
- ensure head of bolt is on inside of combine and nut is outside
- Receiver on left side



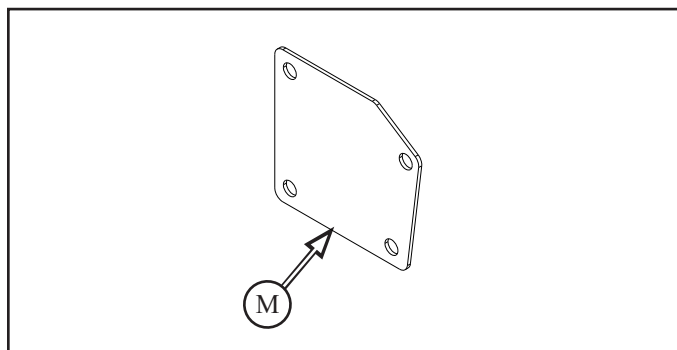
1.1.6 Repeat for other side

1.1.7 Apply CHAFF Sense decal (**N**) to vent cover (**C**) near optical sensor (**AL**)



1.1.8 Repeat for other side

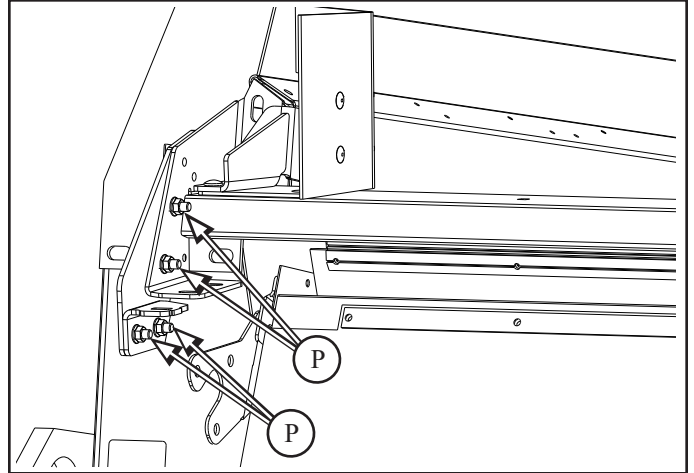
Note: SC664B Blanking Plates (**M**) have been supplied for future use to cover the blockage sensor holes if the blockage sensors are removed and moved to another machine.



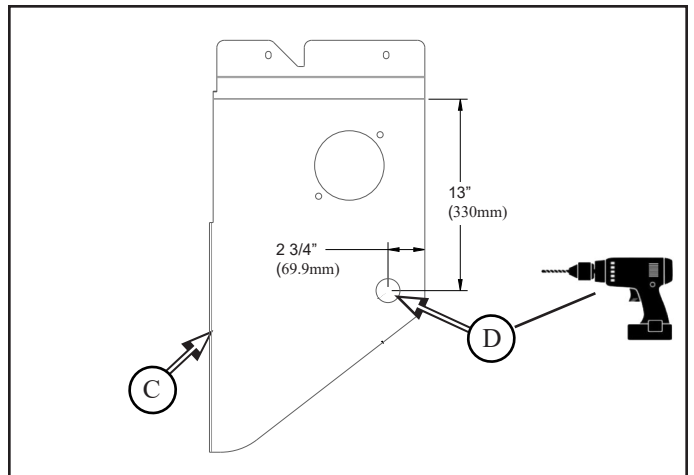
1.2



- 1.2.1** Ensure sieve extension hardware (**P**) x4 has the bolt head on the outside and nut on inside
- this will prevent the bolt from scratching the blockage sensor with the movement of the sieve extension
 - both sides

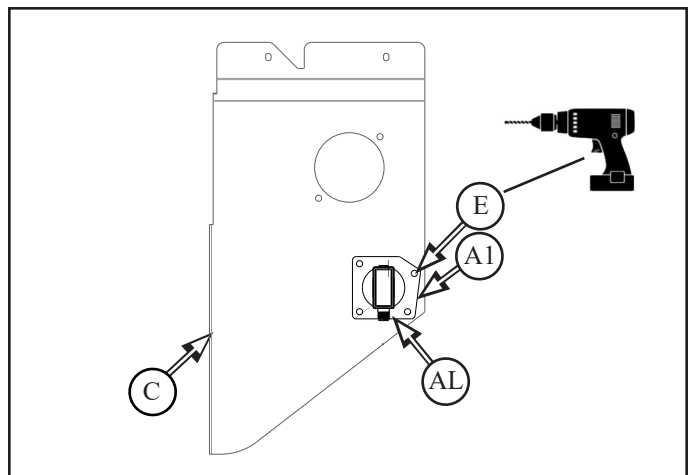


- 1.2.2** Drill 41mm hole (**D**) with supplied hole saw (**B**) through left vent (**C**) as shown

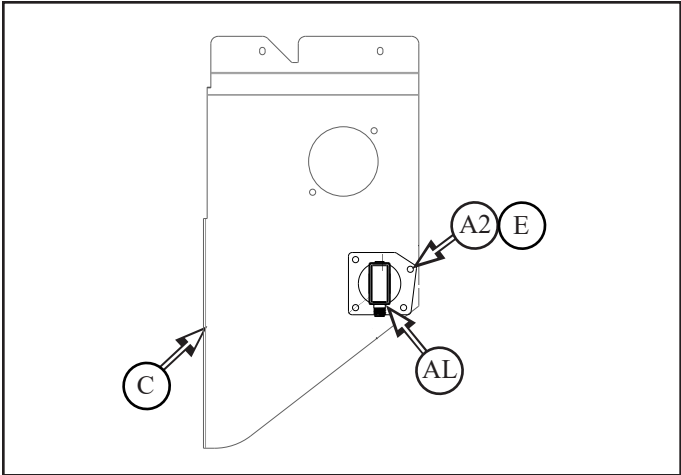


- 1.2.3** Place left blockage sensor assembly (**AL**) into hole (**D**)

- 1.2.4** Using blockage mounting plate (**A1**), mark / drill 6mm holes (**E**) x4 through vent (**C**)

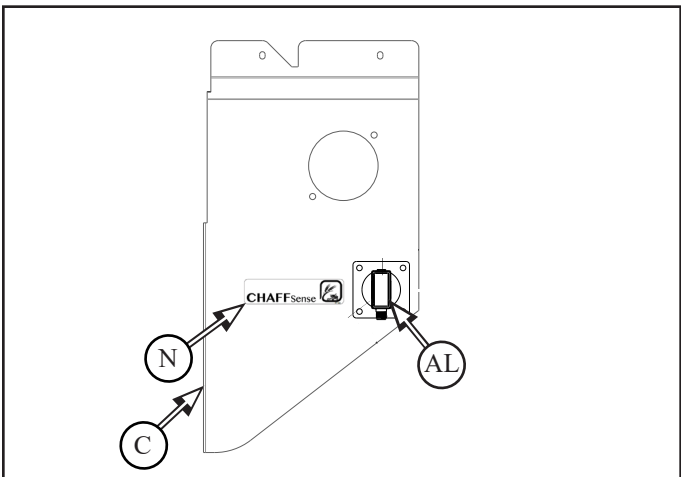


- 1.2.5** Secure blockage sensor (**AL**) onto vent (**C**) through holes (**E**), with:
- M6 x 12 flange head bolt and flange nut (**A2**) x4
 - ensure head of bolt is on inside of combine and nut is outside
 - Receiver on left side



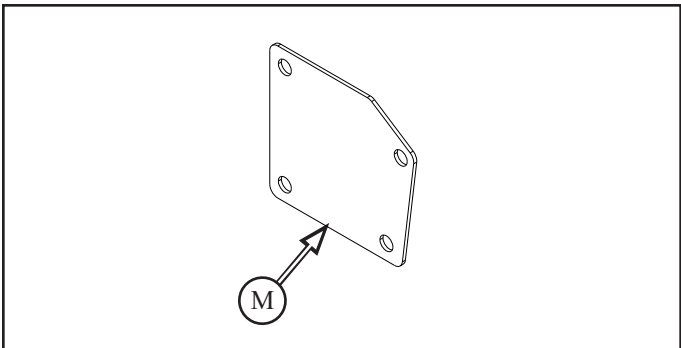
1.2.6 Repeat for other side

1.2.7 Apply CHAFF Sense decal (**N**) to vent (**C**) near optical sensor (**AL**)



1.2.8 Repeat for other side

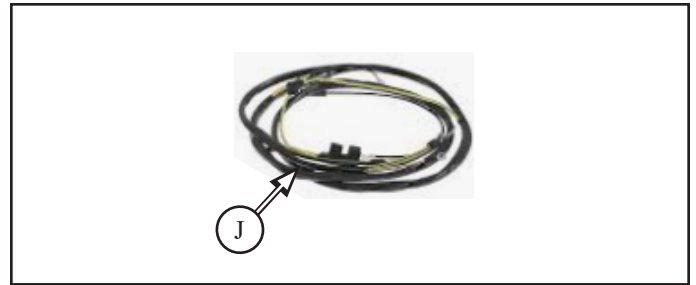
Note: SC664B Blanking Plates (**M**) have been supplied for future use to cover the blockage sensor holes if the blockage sensors are removed and moved to another machine.



2 Wiring Installation

Parts List:

RP1758A Harness w/Blockage Sensor SCU (J) Qty 1

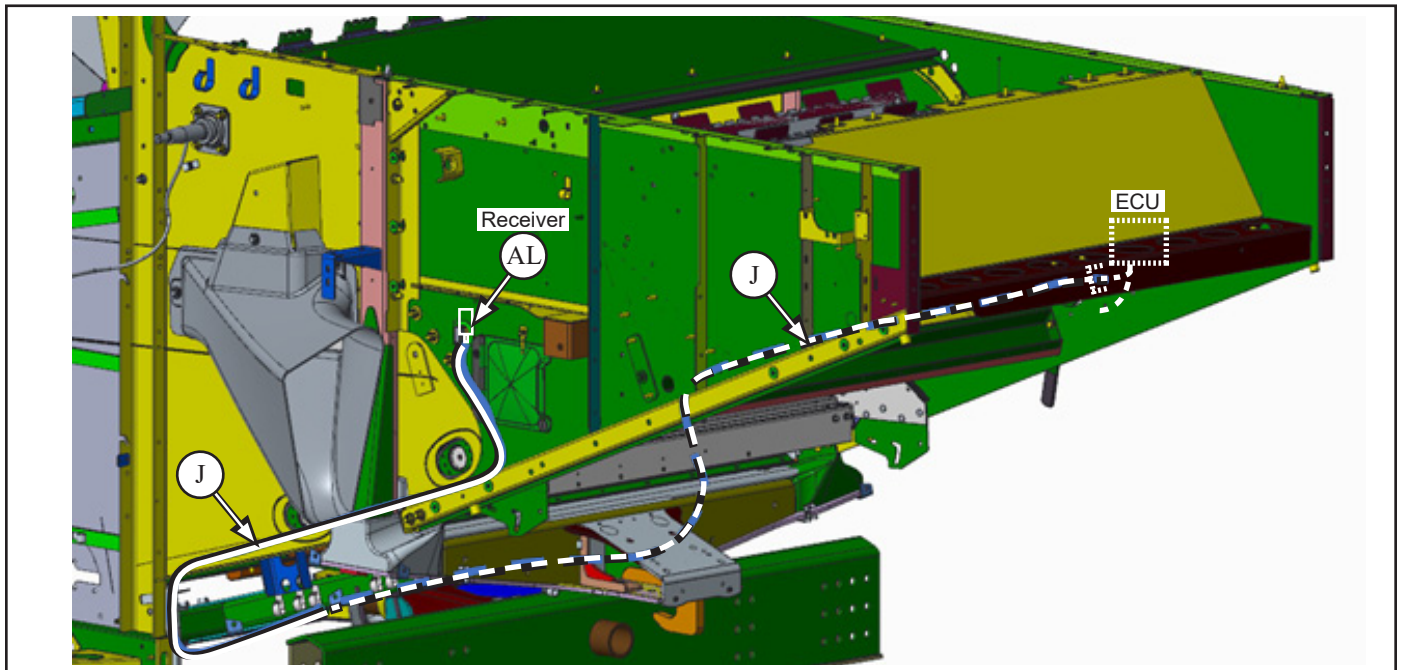


2.1 Install blockage sensor harness (J)

- route along existing battery harness and other harnesses as shown along wall and underneath combine to BLOCKAGE connector near ECU

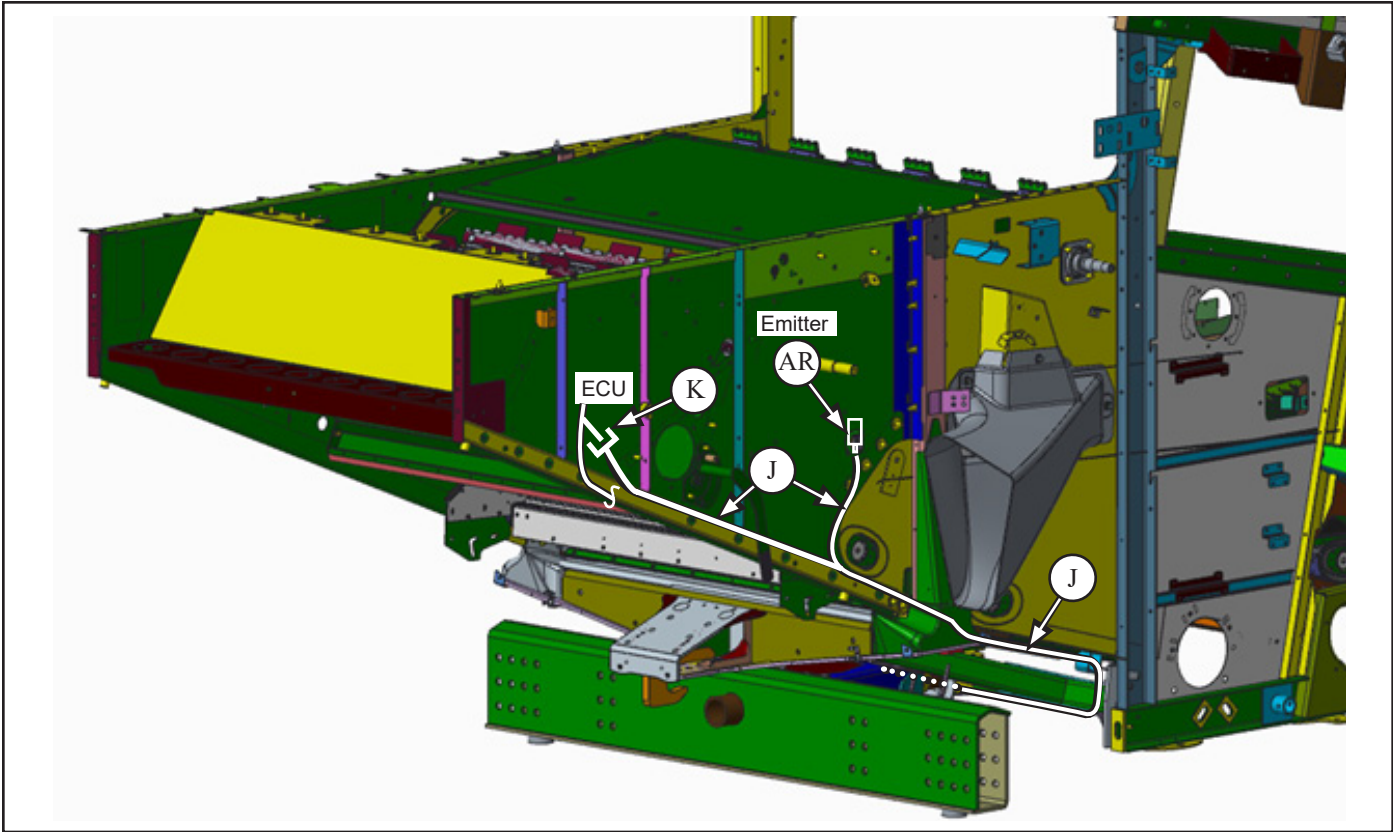
2.2 Connect the EMITTER and RECEIVER plugs on harness (J) to the appropriate optical sensor assemblies (A)

- secure in place

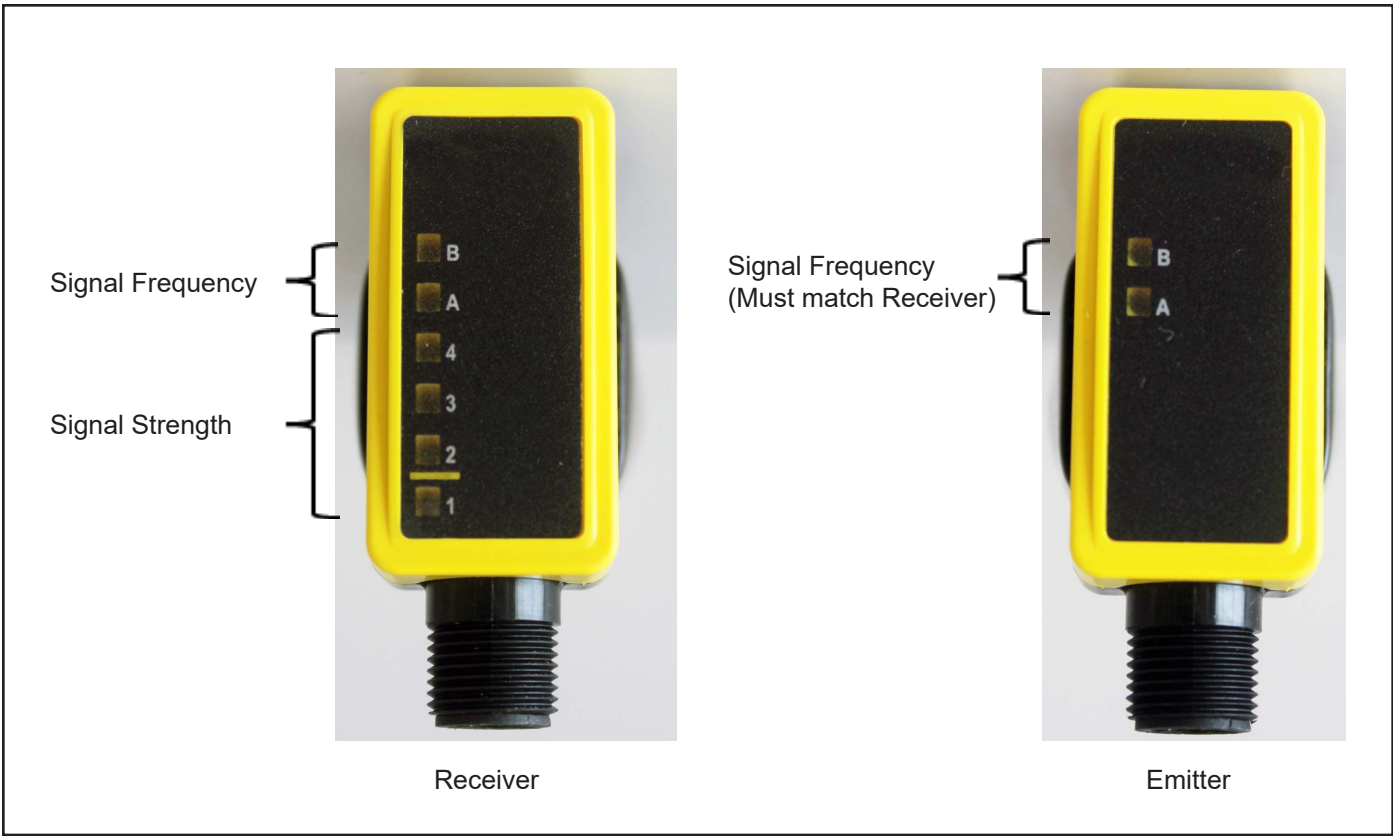


Combine may be different than shown

2.3 Connect blockage harness (J) to BLOCKAGE connector (K) on pigtail of main harness from ECU



Combine may be different than shown



3 Software Settings

IMPORTANT

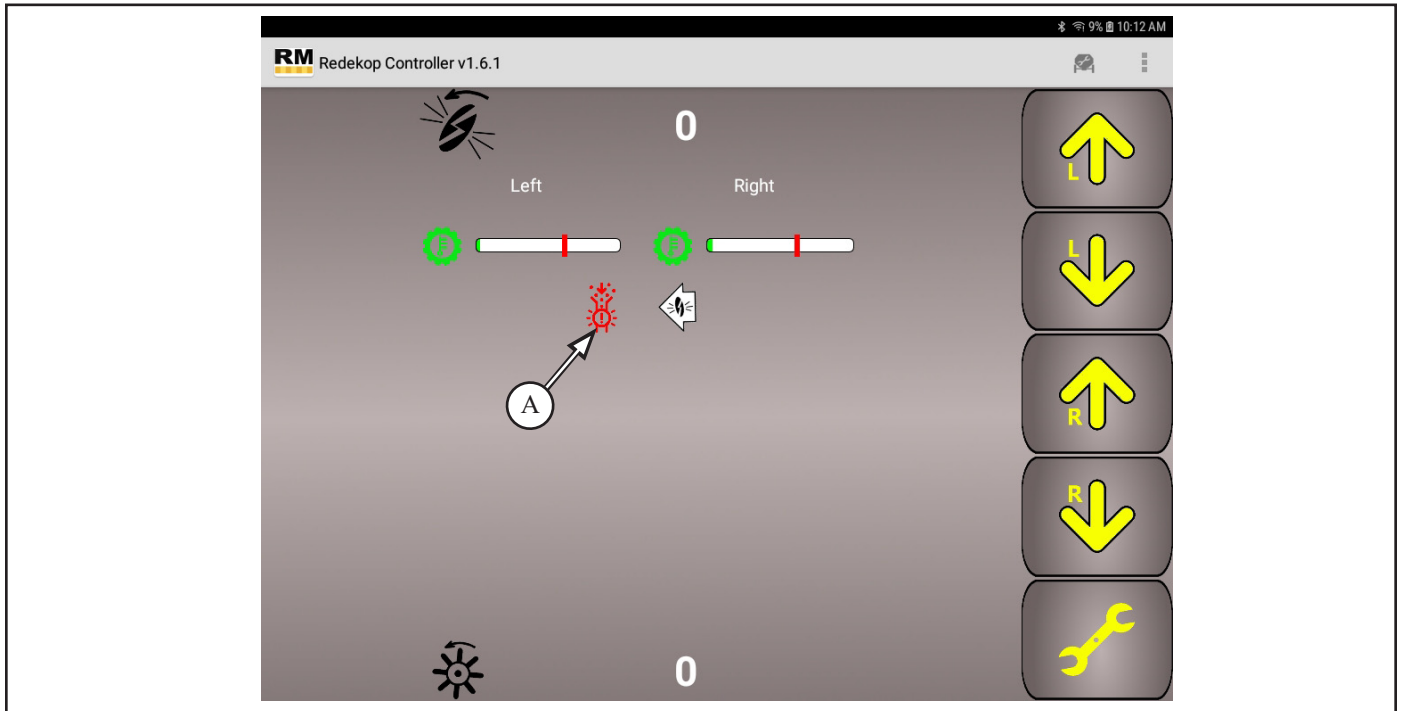


Requires Redekop Controller App 1.5.X or above.
Update app with Google Play Store if required.

Requires SCU feature to be installed.

Refer to SCU installation manual to engage feature if required.

A new “Blockage Detected” icon (A) will appear when the blockage sensor detects a blockage. This can be seen below.





CAUTION

Check that all tools and loose hardware have been removed from the combine and SCU before running SCU



CAUTION

Check all fasteners to ensure they have been properly tightened

Torque Table

Nominal Size	Class 8.8	Class 10.9
	Nm / (ft-lbs)	Nm / (ft-lbs)
M8 - flanged	27 / (20)	39 / (29)
- non flanged	25 / (18)	35 / (26)
M10 - flanged	54 / (40)	57 / (42)
- non flanged	49 / (36)	70 / (51)
M12 - flanged	93 / (69)	134 / (98)
- non flanged	85 / (63)	121 / (90)



CAUTION

Wear Hearing Protection during operation



CAUTION

When starting chopper, be sure all people are clear of the rear of the combine



Start threshing module in low speed and listen for clearance problems. If a knocking noise is heard, stop the machine immediately! Fix problem and repeat procedure. Progress to full power when everything is running smoothly at lower speeds.

REDEKOP MANUFACTURING

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For additional and the most up to date Manuals:



EQR002

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