REDEKOP™

Straw and Chaff Management

Blockage Sensor for AFX & NH Installation Manual

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Redekop Manufacturing 2014
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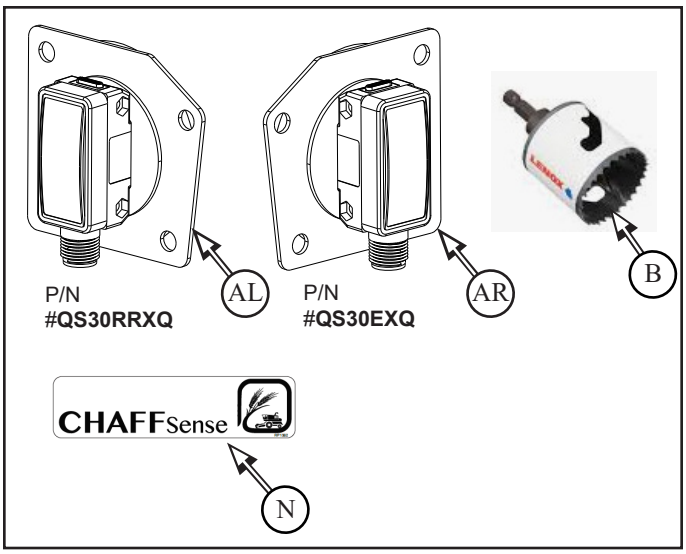
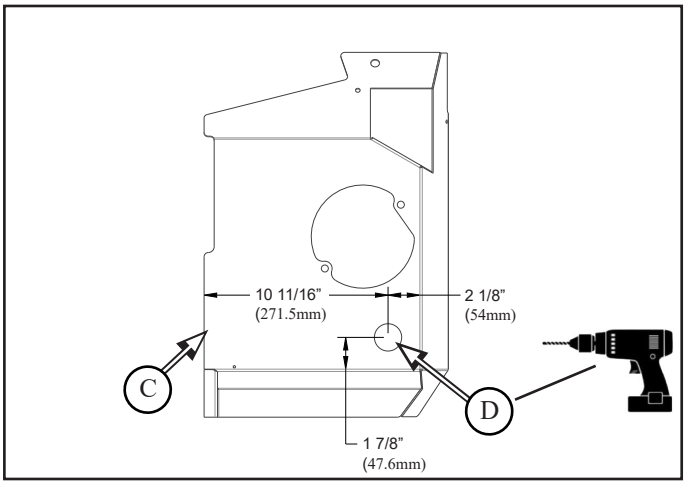
1 Optical Sensors Installation

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

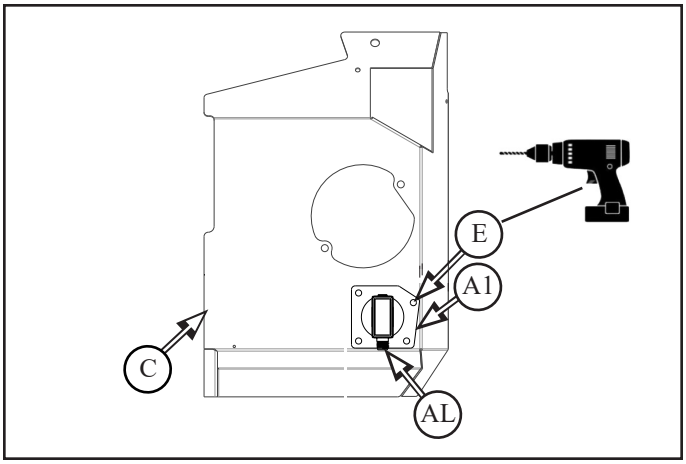


1.1 Drill 41mm hole (**D**) with supplied hole saw (**B**) through left vent cover (**C**) as shown

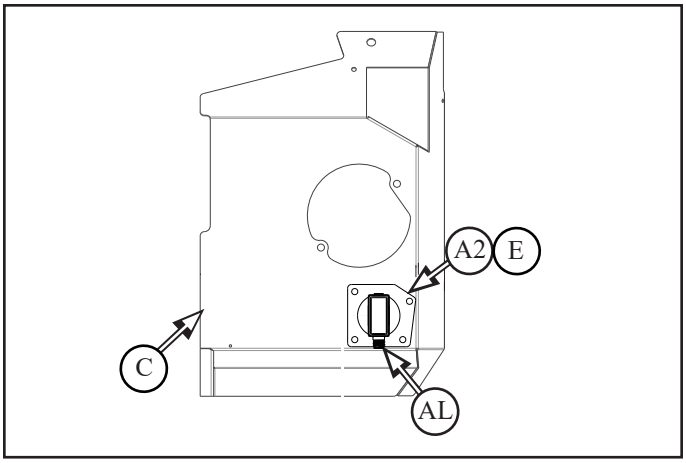


1.1.2 Place left blockage sensor assembly (**AL**) into hole (**D**)

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

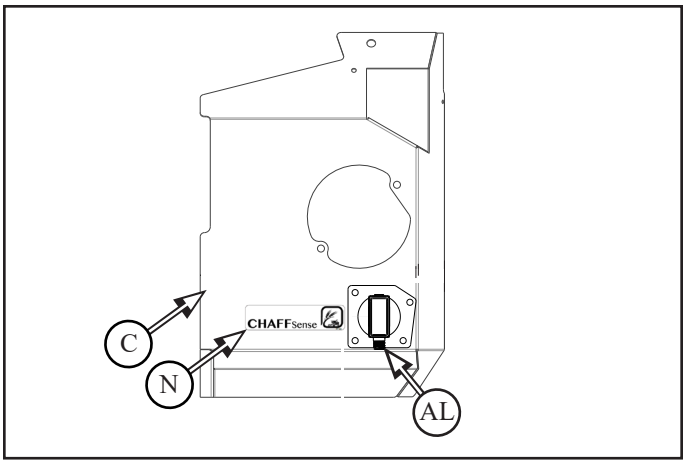


1.1.4 Secure blockage sensor (**AL**) onto vent (**C**) through holes (**E**), with:
- M6 x 12 flange head bolt and flange nut (**A2**) x4
- ensure head of bolt is on inside of combine and nut is outside
- Receiver on left side



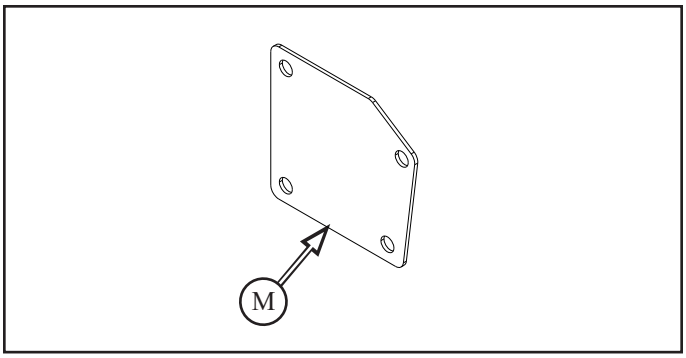
1.1.5 Repeat for other side

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

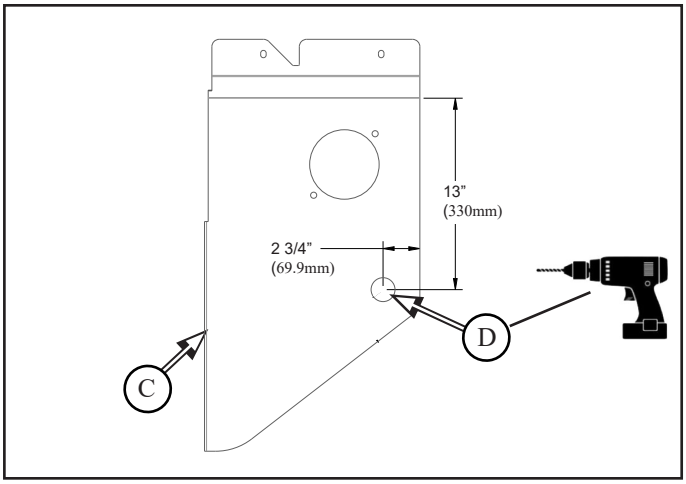


1.1.7 Repeat for other side

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.

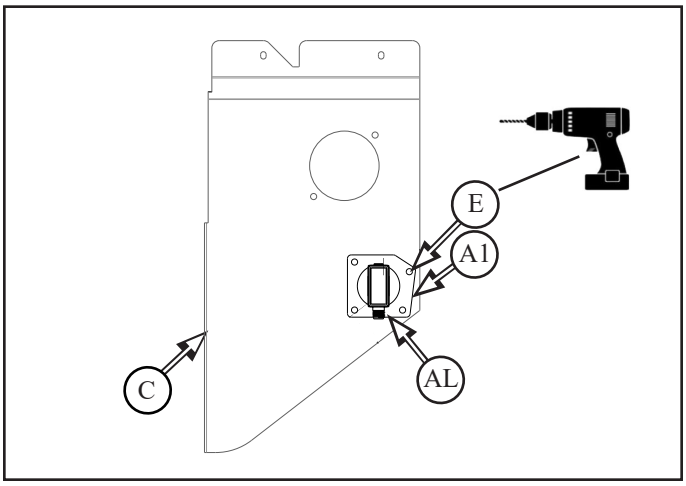


1.2 Drill 41mm hole (**D**) with supplied hole saw (**B**) through left vent (**C**) as shown



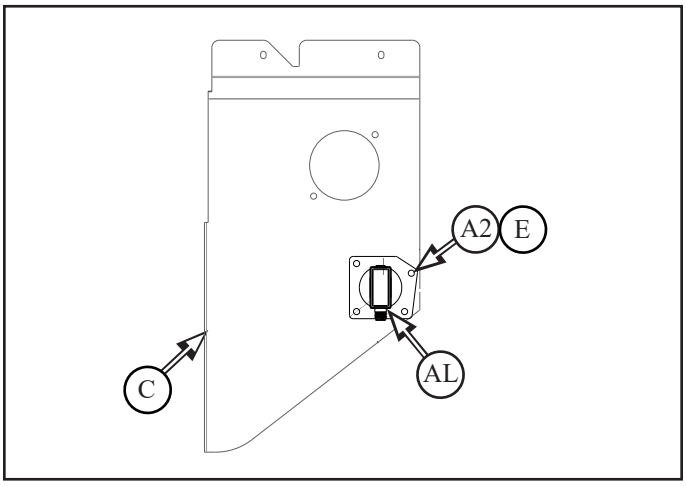
1.2.1 Place left blockage sensor assembly (**AL**) into hole (**D**)

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

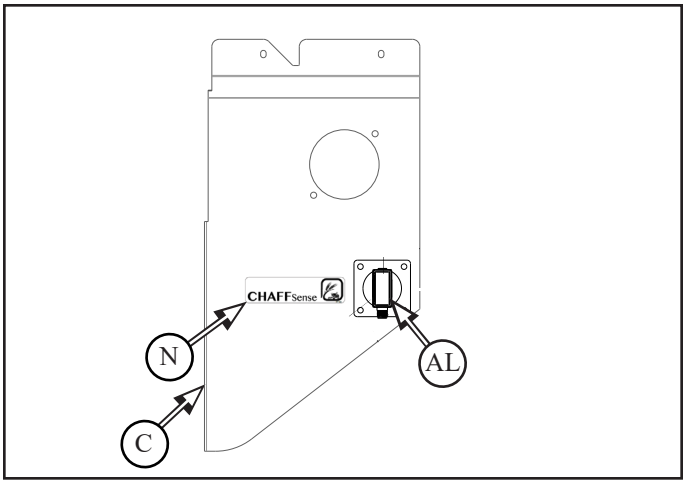


1.2.3 Secure blockage sensor (**AL**) onto vent (**C**) through holes (**E**), with:
- M6 x 12 flange head bolt and flange nut (**A2**) x4
- ensure head of bolt is on inside of combine and nut is outside
- Receiver on left side

1.2.4 Repeat for other side

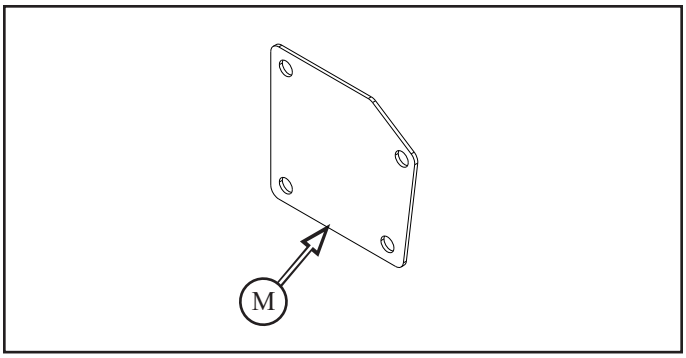


1.2.5 Apply CHAFF Sense decal (**N**) to vent (**C**) near optical sensor (**AL**)



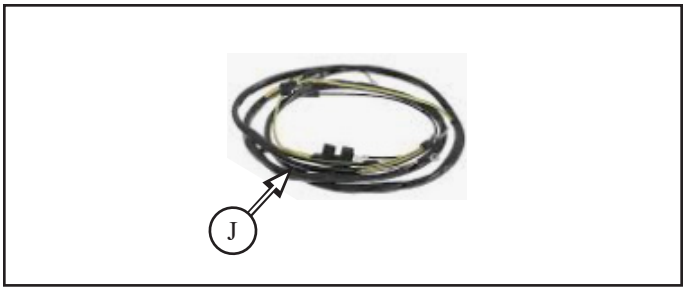
1.2.6 Repeat for other side

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.



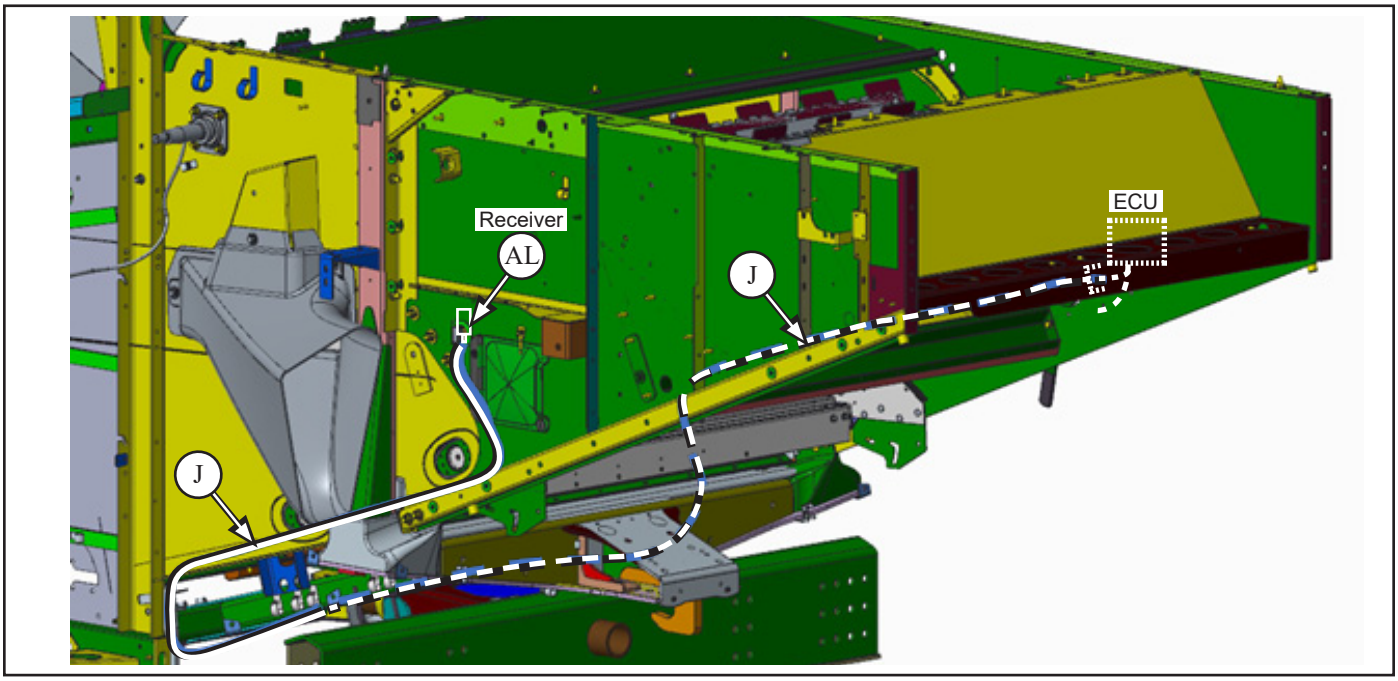
2 Wiring Installation

Parts List:
RP1189 Harness w/Blockage Sensor SCU (**J**) Qty 1



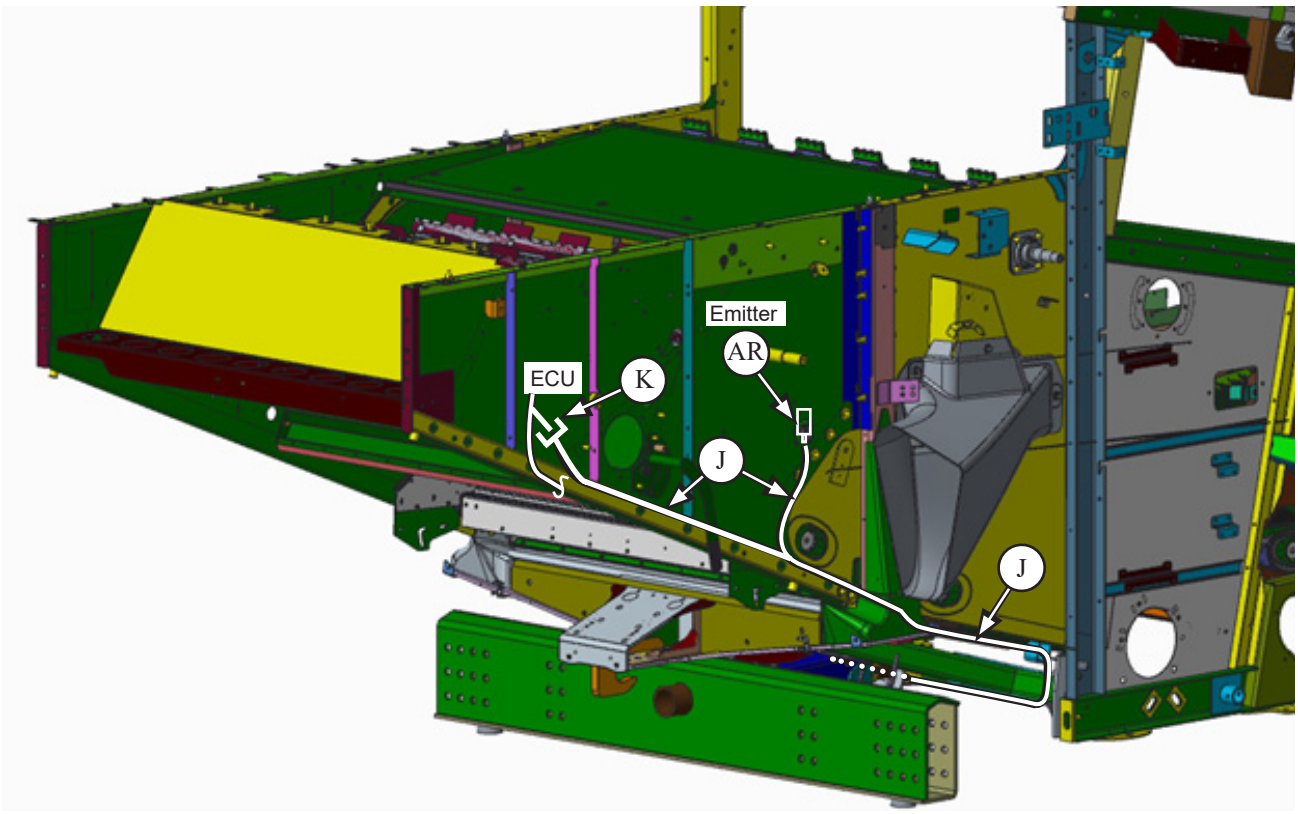
2.1 Install blockage sensor harness (**J**)
- route along existing battery harness and other harnesses as shown along wall and underneath combine to BLOCKAGE connector near ECU

2.1.1 Connect the EMITTER and RECEIVER plugs on harness (**J**) to the appropriate optical sensor assemblies (**A**)
- secure in place

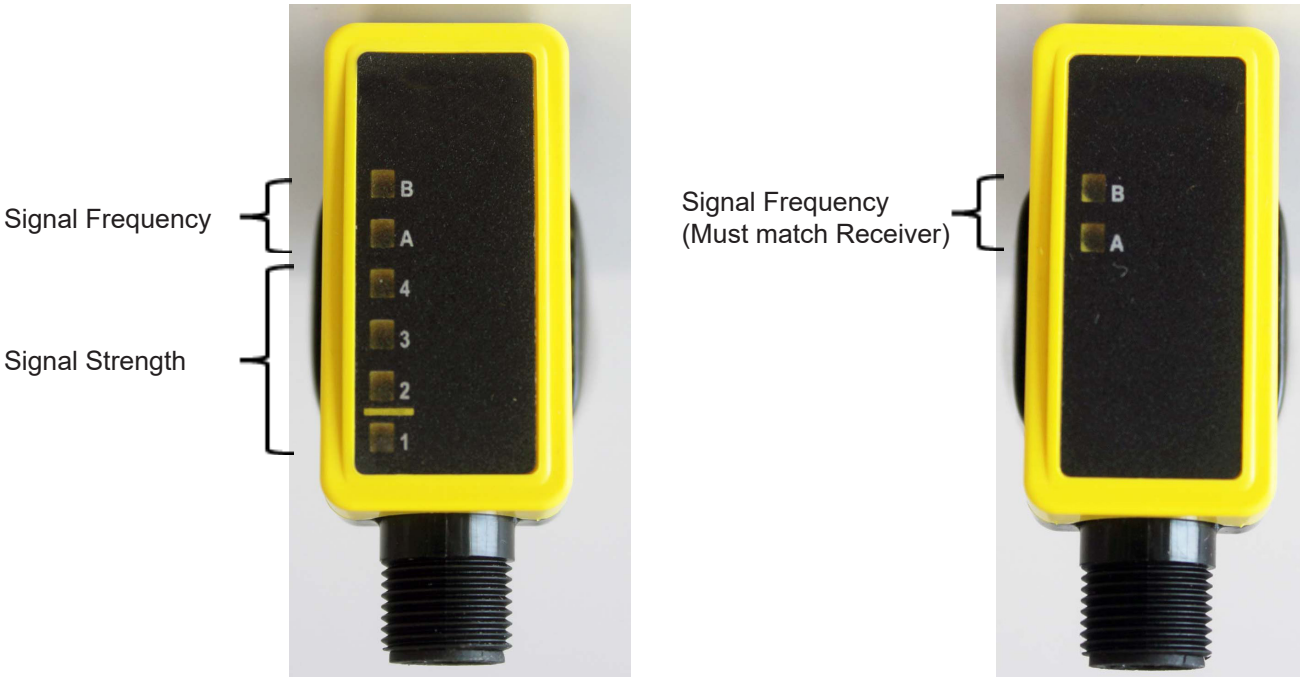


Combine may be different than shown

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



Combine may be different than shown



Receiver

Emitter

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.