



## Kuhn SB 1290 D/iD (B10) INSTALLATION GUIDE

Your Gazeeka package should contain the following items:

- *Transmit Antenna* - An "Active" antenna, microwave cable assembly, and an ISObus control cable that attaches to the antenna.
- *Receive Antenna* - A "Passive" antenna.
- *Mounting Brackets* – Two Kuhn upright mounting brackets (LHS & RHS), two type "A" mounting brackets and two type "B" mounting brackets. Each upright should have one type "A" and one type "B" bracket mounted to it, which the antenna is then mounted to.
- *Antenna Protection Bars* - Two antenna protection bars with M8 hex head screws.
- *Bolts* - Four M8 x 16mm hex head bolts, spring washers, flat washers and nuts. Eight M10 x 30mm high tensile hex head bolts, spring washers, flat washers and nuts. Four M12 x 40mm cup head bolts, flat washers and nyloc nuts.
- *Cable Ties* - A quantity of large and medium cable ties.
- *Quick Start Guide*

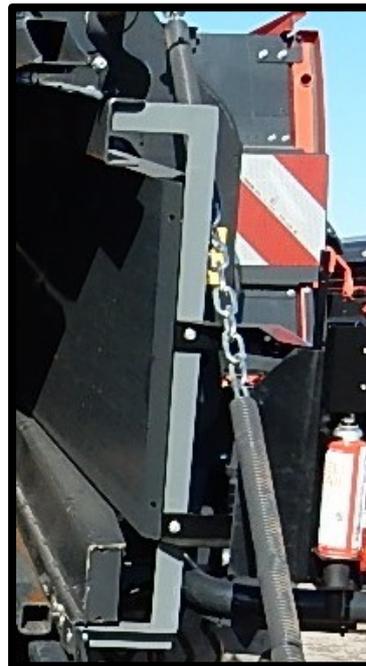
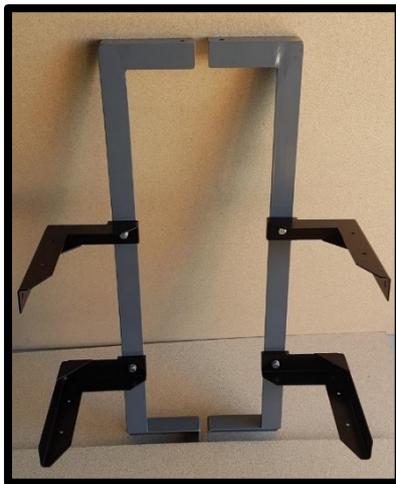
1. Unpack the box of Gazeeka components. Note that one antenna has the connector which attaches to the baler cable. This antenna is the active (or transmitting) antenna and must be mounted on the left-hand side of the baler as viewed from the back.
2. Carry out this installation with the baler tailgate down.
3. Start on the left-hand side of the baler. Attach the top of the long bracket to the M12 bolt on the rear of the tailgate buffer bracket (see photo below).



4. Attach the lower part of the long bracket to the rear M12 bolt which secures the tail gate support bracket. (See photo below). Note that on the left-hand side the cable for the tail gate position sensor has to be disconnected, routed through the hole in the frame and then reconnected (see below).



5. Secure the four right angle brackets to the upright brackets just mounted (as per below).



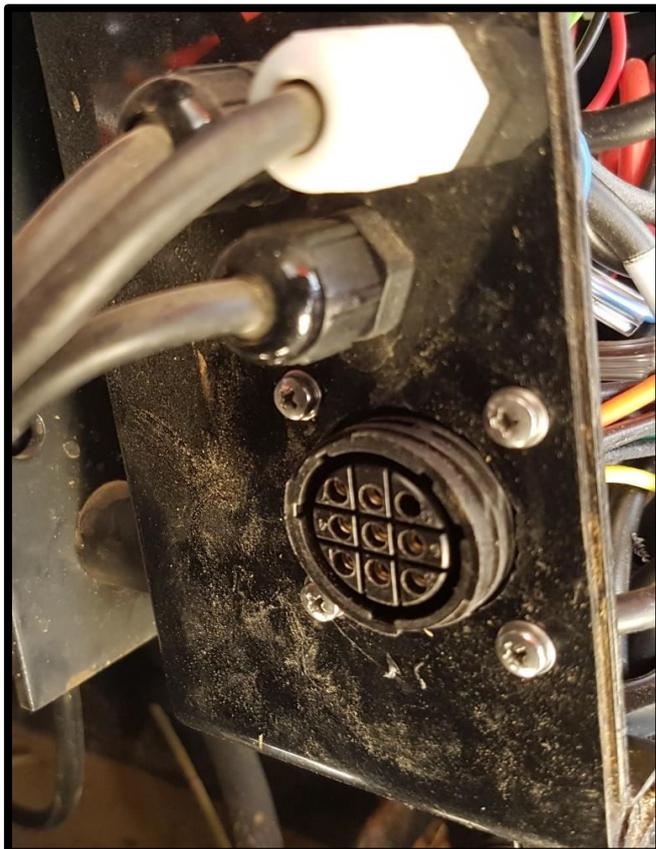
6. Place the active model 870 antenna (the one with the connector on it) in the LHS frame and secure it in place using the M10 bolts supplied. Make sure the bolt heads are on the inside to lower the chances of the chain snagging on an exposed bolt thread.
7. Place the passive antenna in the RHS frame and secure it in place using the M10 bolts supplied. Make sure the bolt heads are on the inside to lower the chances of the chain snagging on an exposed bolt thread.
8. Place the microwave cable assembly under the baler and present it to the antennae. Put this cable assembly into each antenna as described in the Model 870 Owner's Manual (*Section 2.2*).
9. Securely cable tie the microwave cable from each antenna down to the main cross member under the bale chamber floor, through the steel member.



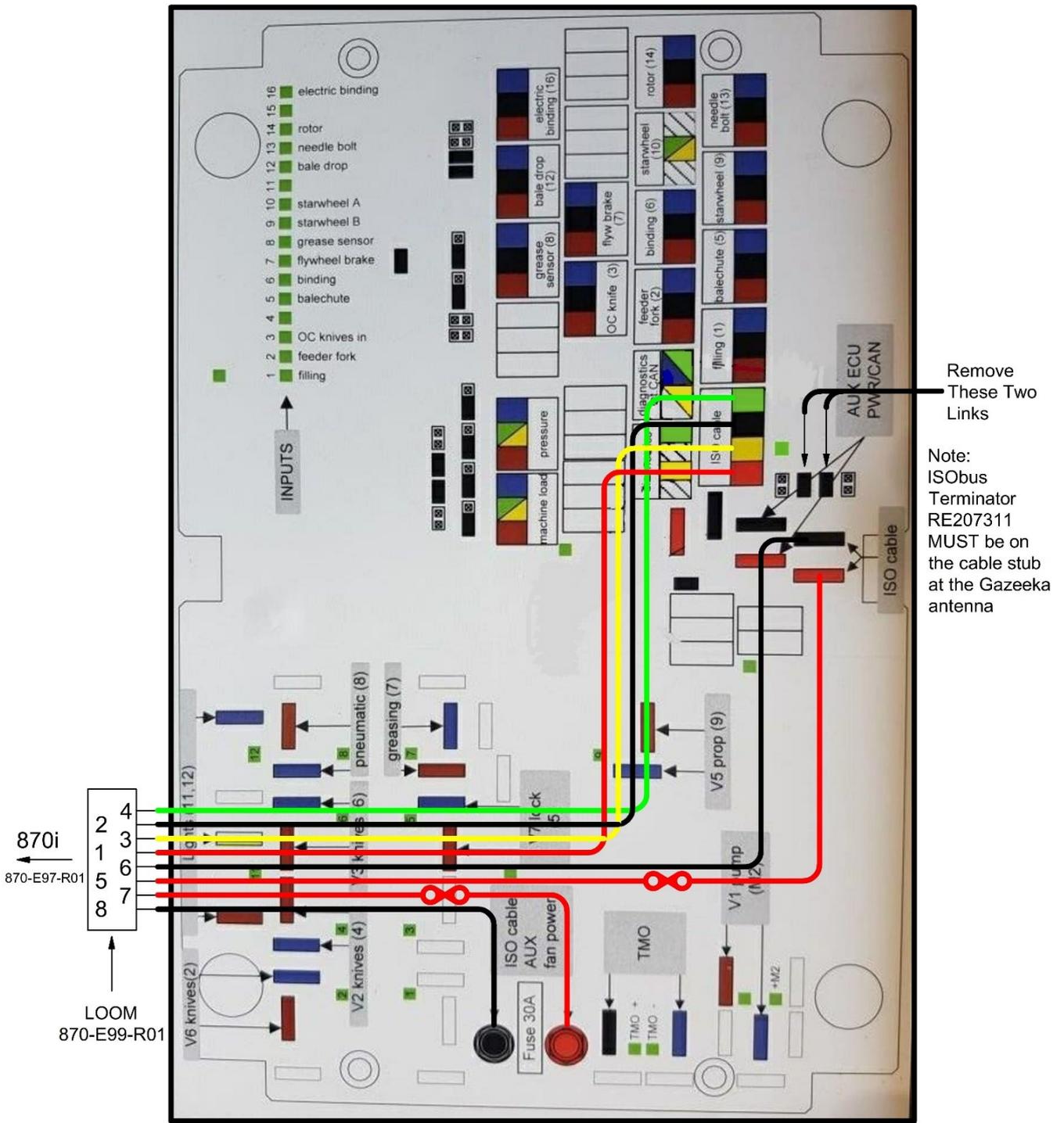
10. In the unlikely event that the spray from the spray can is blocked by the tail gate support chains, you may need to move them. If this is so, take out the two M6 screws holding the spray units in place and move them up one hole pitch (approximately 70mm). You may need to loosen the cable gland and even take the cover off of the antenna to make sure the cable to the spray solenoids reaches without being stressed.
11. Fasten a protection bar to each antenna support frame using the hex head screws supplied. The holes in these protection bars are tapped. Note the extended end goes up on both sides.
12. Install the baler cable from the active antenna to the tractor cabin where the Gazeeka touchscreen is to be installed. When running the cable through the baler, make sure that it is clear of any moving parts, minimising the chance of the cable being damaged during operation. It is best to follow existing cables where possible.
13. Install the Gazeeka touchscreen in the preferred position with the RAM mount and fasteners provided.
14. Do not put the spray cans in at this stage.
15. Now refer to the Quick Start Guide to setup instrument or see the Commissioning/Setup section of the Owner's Manual (*Section 2.3*).
16. For ISObus loom installation, continue on below.

### ISObus Loom Installation (only applicable for 870i units)

Drill a hole (27mm) in the side of the primary ECU enclosure and the four 3mm holes for the panel mount connector. (See photo below). Fasten with the connector inserted from the inside.



Next, terminate the wires as per the drawing below.



Kuhn 1290iD Primary ECU

870-E100-R00  
Kuhn 1290iD Primary ECU  
Wiring for Gazeeka 870i

Joining two wires together for the screw terminals is best done using dual bootlace ferrules. To do this you will requires the ferrules and the special bootlace ferrule crimping tool.



Gently test all wiring connections into the terminals. Especially because the 4 wires going to the screw terminals are now the backbone of the baler ISO bus system and the very important ISO bus termination will now be at the rear of the baler next to the Gazeeka antenna.

Termination Note: If the Gazeeka cable is ever disconnected the links X711 and X712 MUST be put back in place to ensure the hay baler ISObus operates correctly.

Now run the baler loom between the Gazeeka antenna and the new plug on the primary ECU. Care must be taken to make sure that the loom does not go near any moving parts where it could be damaged (see the termination note).

Note to be cut out and inserted in the Primary ECU enclosure.

NOTE:

If the Gazeeka moisture meter  
is disconnected - Links  
X711 and X712 must be  
Inserted