B04 JD INSTALLATION GUIDE

Your Gazeeka package should contain the following items:

- *Transmit Antenna* - An "Active" antenna, microwave cable assembly and an ISObus, standard or G-Link baler cable (depending on configuration ordered) that attaches to the antenna.
- *Receive Antenna* - A "Passive" antenna.
- *Mounting Brackets* – Four right-angled support brackets, two for the right-hand side and two for the left-hand side. There are six M10 x 30mm hex head bolts, M10 x 50mm hex head bolts, M10 flat washers and M10 Nyloc nuts for each side.
- *Antenna Protection Bars* - Two antenna protection bars with M8 hex head bolts, spring and flat washers.
- *Bolts* – Two sets of M10 x 25mm hex head bolts with M10 Nyloc nuts and flat washers.
- *Cable Ties* - A quantity of large and medium cable ties.
- *Owner's Manual & Quick Reference Card.*

1. The special JD support frame uprights supplied by Gazeeka are attached to the flat bar uprights at the rear of the baler. The standard Gazeeka bracket system as supplied is then attached to these two new uprights. The longer microwave cable is supplied to allow the cable assembly to be routed between the two antennae using the existing structural cross member under the bale chute floor.
2. Start on the left-hand side of the baler (LHS facing forward). Hold the support bracket upright up against the flat bar at the rear of the baler. Ensure that the edge of the angle is flat in line with the edge of the flat bar at the rear of the baler. The angle can protrude past the edge of the flat bar, **but not be behind the flat bar**, or the microwave antenna will be secured in place with an angle which is not acceptable. "G" clamp the upright in place and mark the three hole positions through the support frame upright and drill these holes 10.5mm.
3. Secure the support bracket upright in place using the M10 bolts and nuts provided (bolt heads on the inside) (#1)
4. Now repeat the process for the support frame upright on the right-hand side.
5. Support the end of the tail gate and move the two tail gate support chains to upper holes on the back of the baler to provide better microwave beam clearance (#2).
6. Secure the right-angled top two brackets in place, using a spirit level to get them horizontal (#3). Tighten these bolts up. Note there are two types of brackets so make sure you use the appropriate bracket. The flange of the brackets will be at the top for the top bracket and at the bottom for the bottom bracket. This is done to minimize the chances of interference to the microwave signal.
7. Secure the right-angled bottom two brackets in place just tight enough to be able to move them around by hand (#4). All of the bracket bolts that go through the baler frame require Nyloc nuts.

8. Hang the two antennas (active on the left side) on the top brackets using the M10 x 25 hex head bolts provided (do not fully tighten at this stage). Move the bottom bracket around to line up with the bottom holes in the antenna and secure this in place with the remaining screws (#5). Now tighten up the four antenna screws on each antenna and then tighten up the bottom bracket bolts.
9. Run the flexible conduit that contains the microwave cable under the baler through the rectangular hollow section that supports the floor of the bale chamber and connect it into the antennae (#6). You may need an adjustable wrench to tighten the conduit nut inside the antennae. Secure the conduit in place using large cable ties around the baler frame. Connect the microwave cable to the SMA connector inside each antenna, taking care as per the special note about the microwave cable in the Owner's Manual (***section 2.2***).
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 spay 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. Using tin snips or a sharp knife cut the rubber flaps to allow the chains to pass through (about 45mm diameter + horizontal cut in to the hole).
12. 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 (#7).
13. Install the baler cable from the active antenna (#8) 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, minimisng the chance of the cable being damaged during operation. It is best to follow existing cables where possible.
14. Install the Gazeeka touchscreen in the preferred position with the RAM mount and fasteners provided.
15. Refer to the Commissioning/Setup section of the Owner's Manual (***Section 2.3***).