



## MF 1840 STANDARD INSTALLATION GUIDE

Your Gazeeka package should contain the following items:

- Transmit Antenna - a "active" antenna (right-hand side of baler – closest antenna in above image), microwave cable assembly and a standard baler cable that both attach to the antenna.
- Receive Antenna - a "passive" antenna.
- Console – moisture display touch screen and RAM mount (inside passive antenna).
- Mounting Brackets – two universal polycarbonate windows, two universal bale chamber extension brackets and top bracing bracket.
- Bolt Kits – two sets of universal mounting bolts (left and right).
- Cable Ties - a quantity of large and medium cable ties.
- Model 180s Quick Start Guide.

1. Remove tailgate from the end of the bale chamber



2. Install one side of the bracket kit, with the top two central bolt holes on the top of the bale chamber. Secure with M10 x 25mm Cup Head bolts, flat washer and Nyloc nut.



3. Install polycarbonate window and secure with M8 x 25mm bolt, flat washer, spring washer and nut.



4. Repeat steps 2 and 3 for the other side of the bale chamber.
5. Install support brace with M10 x 25mm Cup Head bolts, flat washer and Nyloc nut.



6. Attach the standoffs to both antenna's using M10 x 30mm button socket cap screw, flat washers and spring washers. Then, mount the antennae to the polycarbonate window using the rest of the M10 x 30mm button socket cap screws, flat washers and spring washers. Note: the active antenna (housing with electronics in it) should be on the right-hand side of the baler and the passive on the left-hand side.



7. Uncoil the microwave cable and route it safely over the baler and into the passive antenna. Now screw the microwave cable into the SMA connector inside the passive housing, this only needs to be finger tight or a very slight turn past finger tight with a wrench. Use an adjustable wrench to tighten the conduit nut inside the antenna.



8. Secure the microwave cable conduit in place using cable ties around the baler frame. Make sure when routing the conduit around and over the baler that you avoid any moving parts that may damage the cable. It is also important that the microwave cable takes no right-angled turns, but rather fluid angles.
9. Run the baler cable from the active antenna to the baler draw bar position through the baler and secure using the cable ties provided. Secure the cable such that it will not make contact with any moving parts of the baler.
10. Secure the terminal in the tractor cab using the RAM mount supplied.
11. Plug the power cable into a 12V power source. There are many brands of tractors with various "standard" connectors. Some modification of the 12V power connections may be required to get power to the moisture unit.

If you are using a John Deere tractor, use the John Deere power plug supplied to supply the 12V power. If you are not using a John Deere tractor, change the JD plug to one which suits your tractor, or hard wire the power into an appropriate 12V power source in the tractor. An accessory plug (cigarette lighter plug) should not be used, as they are susceptible to poor connections. Many types of tractors are used, so it is not possible to supply one universal type of good quality connector. A poor power connection can lead to inaccurate and erratic moisture readings.

12. Connect the baler cable to the terminal. Secure this cable loom with cable ties or other appropriate cable securing mechanisms.
13. In normal operation, the system draws about  $\frac{3}{4}$  of an Amp.
14. Move on to Commissioning/Setup in section 2.6 of the manual.

