

# AGXCEL GX PUMP ASSIST KIT

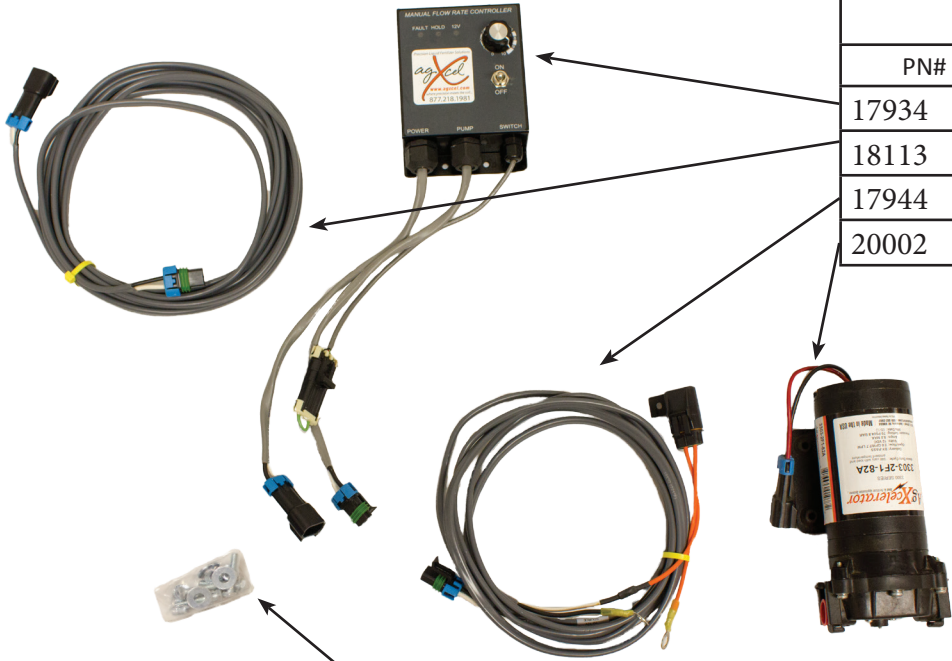
## PN# 19988

(READ INSTRUCTIONS COMPLETELY BEFORE BEGINNING INSTALLATION)

Precision Liquid Fertilizer Solutions

**AgXcel** 877.218.1981  
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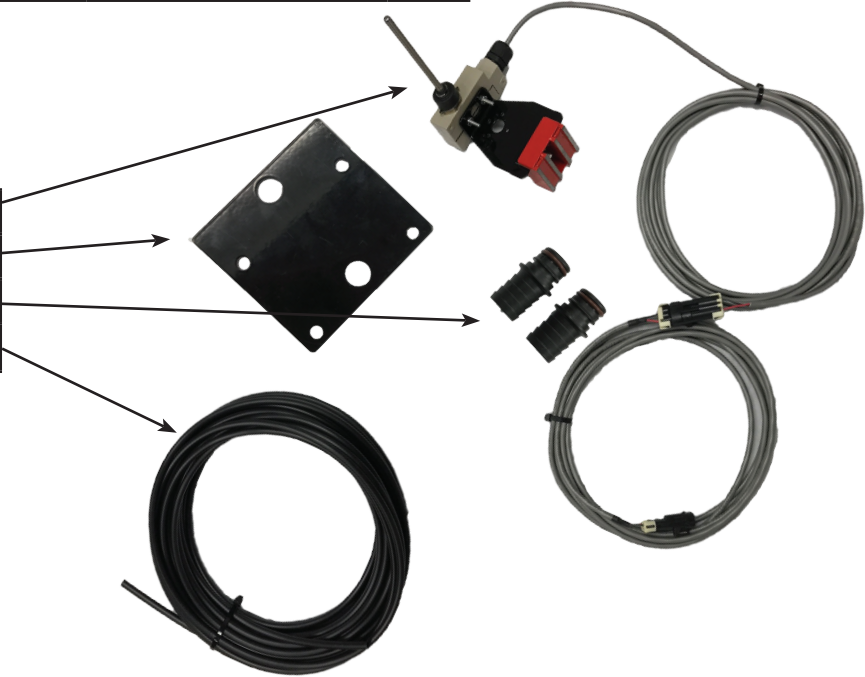
| PUMP ASSIST KIT<br>PN# 19988 |                |     |
|------------------------------|----------------|-----|
| PN#                          | ITEM           | QTY |
| 17934                        | MANX           | 1   |
| 18113                        | 15FT EXTENSION | 1   |
| 17944                        | BATTERY CABLE  | 1   |
| 20002                        | 5.3 GPA PUMP   | 1   |



|       |                  |   |
|-------|------------------|---|
| 20381 | PUMP BOLT KIT    | 1 |
| 19646 | #12 CLAMPS       | 4 |
| 53796 | REMOTE GAUGE KIT | 1 |



|       |                  |      |
|-------|------------------|------|
| 17921 | RUN HOLD KIT     | 1    |
| 20343 | PUMP BRACKET     | 1    |
| 17920 | PUMP O-RING BARB | 2    |
| 19920 | EVA14 TUBING     | 15FT |



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### PUMP ASSIST KIT INSTRUCTIONS

#### SYSTEM MAP

#### KEY :

Line to Tank- →

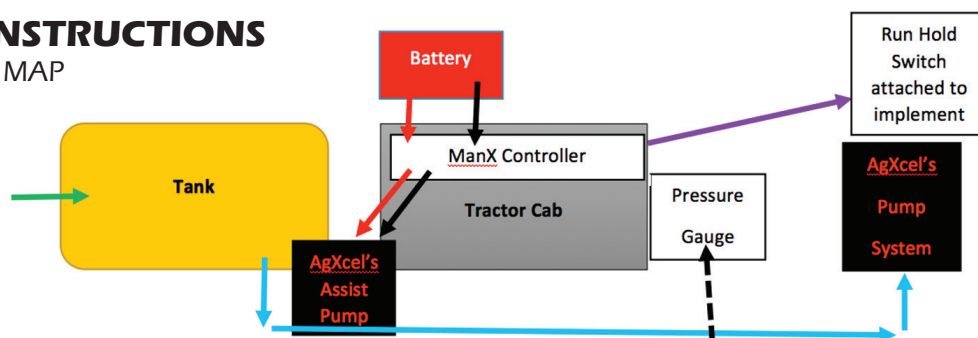
Line to Pumps- →

Battery Power- →

Battery Ground- →

1/4" Tubing for Pressure Gauge- - - - →

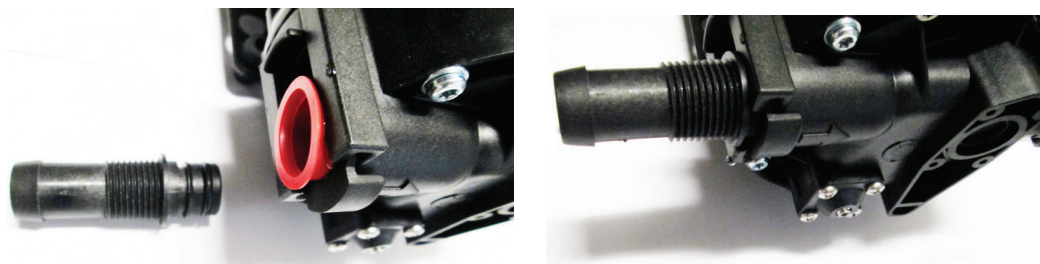
Run Hold Switch Line- →



### INSTALLATION STEPS:

You will need a crescent wrench, a drill with 1/2" drill bit, two 7/16" wrenches, a 5/16" socket, and two 1/2" diameter bolts with the length of your pump mounting location.

**Step #1:** Mounting the AgXcel Agitation Pump - You will need to find a mounting location for the pump. The pump must have the rubber insulators where it is mounted to keep the electrical current from grounding out. Once you find a mounting location you can use the flat pump mounting bracket as a drill guide to drill 2 holes that are 1/2" in diameter. You will need to determine the length of the bolt for the thickness it will be going through. Once you have the holes drilled you can mount the flat pump mounting bracket onto your mounting location. With the mounting bracket secured you may then mount the pump using the supplied 1/4" bolts. Use a lubricant to press the 1/4" bolts through the rubber insulators and tighten the bolts down to where they just begin to compress the rubber insulator. You don't want to over tighten the insulator or it will create a ground for electrical current. Insert the hose barb fittings into the motor. Remove the red cap by sliding the lock into the unlock position and then lock in the hose barb fitting by sliding the lock into the lock position. Look for the arrow on the bottom of the pump that indicates the direction of pump flow.



The output side of the pump will connect to the Jet Agitator through the 3/4" hose. You will need to insert a 3-way hose barb between the tank and the AgXcel Fertilizer System. The 3-way will then supply liquid to the Agitation pump. Slide the hoses onto the hose barbs and tighten the hose clamps down.

**Step #2:** Mounting the AgXcel ManX Controller - Find a mounting location in the tractor cab so that you will have easy access to the controller. In most case the battery cable and the pump cable will be pulled under the cab of the tractor and ran through the back window for a clean install. Connect the battery cables to the battery and ensure you only use a 30 amp fuse.

**Step #3:** Testing the System - It is best to test the system with only water until you are sure there is no leaks. With only water in the tank turn the ManX controller all the way on so that you achieve maximum pressure on the Jet Agitator. With the system running check all the threaded fittings, O-rings, and hose barbs for any sign of a possible leak. Now that the system is working properly it is ready to be used.



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