

SUPPLEMENTAL INSTRUCTIONS FOR THE #655 HARVEST TEC 55 GALLON “ACID COMPATIBLE” APPLICATOR, MODIFIED WITH REGULATOR & PRESSURE GAUGE

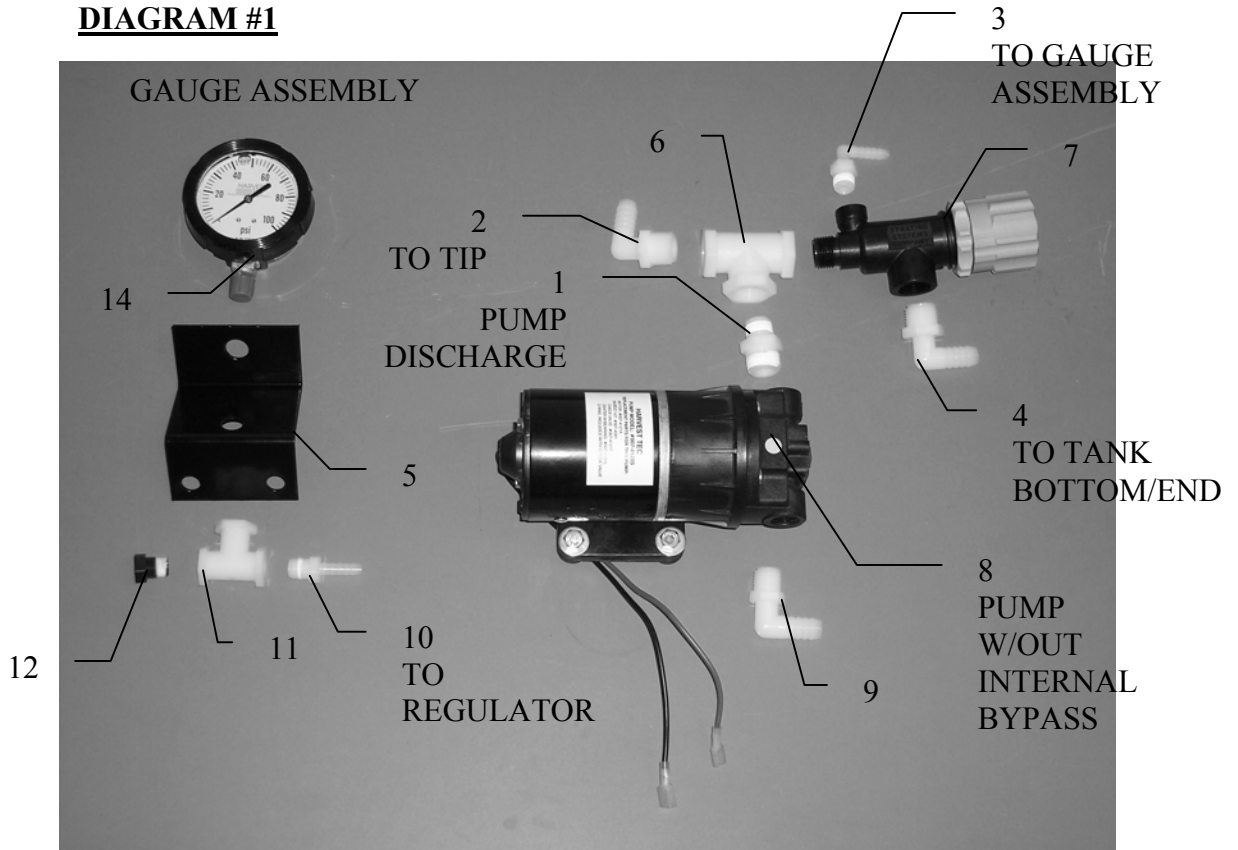
This applicator is constructed the same as the standard #655 55 gallon applicator, except that all of the components are acid compatible and the applicator has a manual regulator and a pressure gauge to allow precise calibration of the applicator. In addition, the pump does NOT have an internal bypass. This applicator features a bypass return line to the tank.

All the additional components have been added to this applicator. Please note the diagram (#1) showing how the plumbing components are plumbed during installation.

1. After unpacking the saddle and legs from the largest box, note the position of the regulator assembly that is attached to the pump. After installing the leg set to the forage harvester, carefully rotate the pressure regulator around 180° counter-clockwise where it attaches to the pump discharge outlet. This will allow the regulator to be adjusted more easily. (Note that all the fittings are numbered with a black marker and correspond to the numbers on the diagram #1).
2. #2—elbow, ½” MPT X ½” H.B.(hose barb) X 90° is where ½” (I.D.) hose attaches and runs to the spray tips or lubricator nozzle assembly.
3. #3—elbow, ¼” MPT X ¼” H.B. X 90° at the top of the regulator is attached to the short length of ¼” (I.D.) hose. This length of hose attaches to the straight adaptor (#5) at the TEE of the remote pressure gauge assembly. The pressure of the fluid inside this length of hose transfers to the pressure gauge and is shown on the gauge.
4. #4—elbow, ½” MPT X ½” H.B. X 90° on the bottom of the regulator attaches to the ½” hose which runs to elbow fitting #6 (¾” MPT X ½” H.B. X 90°) which fits one of the bottom end fittings of the 55 gallon tank. This hose and set of fitting acts as the system external bypass. As a result of the adjustment of the manual regulator, any fluid not spraying out of the spray nozzle (s) is bypassing back into the 55-gallon tank. It is recommended that this hose go to the opposite end of the tank, away from the pump end.
5. For easier attachment of hoses to hose barb fittings, heat the 1” of the hose in hot water for 30 seconds to soften. Use clamps to secure.

- Ask your Young's representative for a detailed calibration chart to use with the four spray tips of the lubricator nozzle with various pressures achieved with the manual regulator.

DIAGRAM #1



Ref.#	Description	Part #
1	Nipple fitting	003-M1212
2	Elbow fitting	003-EL1212
3	Elbow fitting	003-EL1414
4	Elbow fitting	003-EL1212
5	Gauge bracket	001-4717
6	Tee fitting	003-TT12
7	Regulator	007-4716
8	Pump	007-4120S
9	Elbow fitting	003-EL3812
10	Straight fitting	003-A1414
11	Tee fitting	003-TT14
12	Plug fitting	003-F14

HARVEST TEC TIP SELECTION GUIDE (ALL TIPS ARE TEEJET FANS)

50° Spray Angle		65° Spray Angle	80° Spray Angle		110° Spray Angle	Application Rates in Pounds Per Hour					
Brass	Stainless	Stainless	Brass	Stainless	Stainless	15 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
		650017SS				5	6	7	8	9	10
		650033SS				10	12	15	17	18	20
		650050SS				15	18	20	25	27	30
		650067SS				20	24	27	33	36	40
5001	5001SS	6501SS	8001	8001SS	XR11001	30	36	46	51	55	61
			80015		XR110015	45	53	66	76	85	94
5002	5002SS	6502SS	8002	8002SS	XR11002	61	71	86	101	115	127
5003	5003SS	6503SS	8003	8003SS	XR11003	90	107	132	152	180	188
5004	5004SS	6504SS	8004	8004SS	XR11004	120	140	160	200	230	250
5005	5005SS		8005	8005SS	XR11005	150	170	215	250	295	310
5006	5006SS		8006		XR11006	180	215	260	300	350	380
			8008		XR11008	240	280	320	400	460	500
			8010		XR11010	300	340	430	500	580	620
					XR11015	450	510	640	750	870	930
					XR11020	600	680	860	1000	1160	1240