



PinPoint™ II

Installation Guide

For RoGator C Series

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Chapter 1

Safety

Topics:

- [Signal Words](#)
- [Pressurized Fluid Lines](#)
- [Personal Protective Equipment](#)
- [Battery Safety](#)
- [Chemical Safety](#)
- [Emergency Safety](#)

Signal Words



DANGER: Indicates an imminent hazard which, if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations, typically for machine components that, for functional purposes, cannot be guarded.



Warning: Indicates a potential hazard which, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.



CAUTION: Indicates a potential hazard which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.



Important: This is used to draw attention to specific information that is necessary for the operation, setup, or service of the system.



Note: This is used for additional information that can help understand or operate the system.

Pressurized Fluid Lines

Do not heat by welding, soldering, or using a torch near pressurized fluid lines or other flammable materials. Pressurized lines can accidentally burst when too much heat is present.

Personal Protective Equipment

Wear close-fitting clothing and the correct personal protective equipment (PPE) for the job. See the manufacturer's manual or other information for correct PPE.

Battery Safety

Use the procedure in the appropriate agricultural equipment manual for connecting, disconnecting, and jump-starting the machine's battery.

Keep sparks and flames away from the battery. Battery gas can explode and cause serious injury. Do not smoke in the battery charging area.

Remove jewelry, which might make electrical contact and create sparks.

Chemical Safety

Chemicals used in agricultural applications can be harmful to your health and/or the environment if not used correctly. Always follow all label directions for effective, safe, and legal use of agricultural chemicals.

Emergency Safety

Fire extinguishing systems must meet the applicable OSHA requirements, and all users of portable/fixed fire suppression equipment must know the types, limitations, and proper uses of this equipment; including hazards involved with incipient stage firefighting.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.

Know the location of fire extinguishers and first aid kits and how to use them.

Inspect the fire extinguisher and service the fire extinguisher regularly.

Follow the recommendations on the instructions plate.

Very small fires can be put out (extinguished) with a fire extinguisher. Use an appropriate method to extinguish a fire (water for paper fires, and chemical extinguishers for electrical or chemical fires).

Chapter

2

Installation

Topics:

- [Before System Installation](#)
- [Install the Boom Kit](#)
- [Install the Tree/Center Kit—
930073D1](#)
- [Install the System Power Kit—
930072D1](#)
- [Install the Cab Kit—930071D1](#)

Before System Installation

Before assembly and installation, read this installation guide carefully. Make sure that you have all of the parts in the kits. Read all of the instructions in this guide, the system operator manual, and the machine manuals. The system operator manual includes information on operation, adjustments, troubleshooting, and maintenance.

For further assistance contact your CapstanAG representative.

Install the Boom Kit

Table 1: 90 ft Boom with 10 in Spacing — 930074D1

Part Number	Description	Qty
118400-137	15-Nozzle/10-in Spacing VCM Assembly	5
118400-136	9-Nozzle/10-in Spacing VCM Assembly	4
118650-005	5 ft/6-Conductor Extension	1
118650-010	10 ft/6-Conductor Extension	1
118650-015	15 ft/6-Conductor Extension	1
118650-025	25 ft/6-Conductor Extension	1
118650-030	30 ft/6-Conductor Extension	1
118650-035	35 ft/6-Conductor Extension	1
118650-040	40 ft/6-Conductor Extension	1
118650-045	45 ft/6-Conductor Extension	1
118650-050	50 ft/6-Conductor Extension	1
118673-001	5 ft/2-Conductor Extension	2
122100-001	CapView II Display	1
122101-025	PinPoint™ II Gateway Hub	1
122101-104	PinPoint™ II Gateway Hub Cover	1
706530-347	2-Pin DT Dust Plug	1
706530-356	12-Pin DT Dust Plug	1
706530-348	6-Pin DT Dust Plug	2
116200-045	2-Pin Tower WP Dust Plug	10
118640-040	PinPoint™ Key Fob	1
122015-001	PinPoint™ II Thumb Drive	1
142290-112	Left-hand A15/7 Watt AGCO Nozzle Body Assembly	2
142290-111	Right-hand A15/7 Watt AGCO Nozzle Body Assembly	105
188640-200	SIM Box Assembly	1

Table 2: 90 ft Boom with 15 in Spacing — 930075D1

Part Number	Description	Qty
118400-125	15-Nozzle/15-in Spacing VCM Assembly	4
118400-135	9-Nozzle/15-in Spacing VCM Assembly	3
118650-005	5 ft/6-Conductor Extension	1
118650-010	10 ft/6-Conductor Extension	1
118650-015	15 ft/6-Conductor Extension	1
118650-020	20 ft/6-Conductor Extension	1
118650-025	25 ft/6-Conductor Extension	1
118650-035	35 ft/6-Conductor Extension	1
118650-040	40 ft/6-Conductor Extension	1
122100-001	CapView II Display	1
122101-025	PinPoint™ II Gateway Hub	1
122101-104	PinPoint™ II Gateway Hub Cover	1
706530-347	2-Pin DT Dust Plug	1
706530-356	12-Pin DT Dust Plug	1
706530-348	6-Pin DT Dust Plug	4
116200-045	2-Pin Tower WP Dust Plug	16
118640-040	PinPoint™ Key Fob	1
122015-001	PinPoint™ II Thumb Drive	1
142290-112	Left-hand A15/7 Watt AGCO Nozzle Body Assembly	2
142290-111	Right-hand A15/7 Watt AGCO Nozzle Body Assembly	69
188640-200	SIM Box Assembly	1

Table 3: 90 ft Boom with 20 in Spacing — 930076D1

Part Number	Description	Qty
118400-126	15-Nozzle/20-in Spacing VCM Assembly	2
118400-134	9-Nozzle/20-in Spacing VCM Assembly	3
118650-005	5 ft/6-Conductor Extension	1
118650-010	10 ft/6-Conductor Extension	1
118650-015	15 ft/6-Conductor Extension	1
118650-035	35 ft/6-Conductor Extension	1
118650-040	40 ft/6-Conductor Extension	1
122100-001	CapView II Display	1
122101-025	PinPoint™ II Gateway Hub	1

Part Number	Description	Qty
122101-104	PinPoint™ II Gateway Hub Cover	1
142290-111	Right-hand A15/7 Watt AGCO Nozzle Body Assembly	54
706530-347	2-Pin DT Dust Plug	1
706530-356	12-Pin DT Dust Plug	1
706530-348	6-Pin DT Dust Plug	6
116200-045	2-Pin Tower WP Dust Plug	3
118640-040	PinPoint™ Key Fob	1
122015-001	PinPoint™ II Thumb Drive	1
188640-200	SIM Box Assembly	1

Table 4: 100 ft Boom with 10 in Spacing — 930077D1

Part Number	Description	Qty
118400-137	15-Nozzle/10-in Spacing VCM Assembly	7
118400-136	9-Nozzle/10-in Spacing VCM Assembly	2
118650-005	5 ft/6-Conductor Extension	1
118650-010	10 ft/6-Conductor Extension	1
118650-015	15 ft/6-Conductor Extension	1
118650-025	25 ft/6-Conductor Extension	1
118650-030	30 ft/6-Conductor Extension	1
118650-035	35 ft/6-Conductor Extension	1
118650-040	40 ft/6-Conductor Extension	1
118650-045	45 ft/6-Conductor Extension	1
118650-050	50 ft/6-Conductor Extension	1
118673-001	5 ft/2-Conductor Extension	2
122100-001	CapView II Display	1
122101-025	PinPoint™ II Gateway Hub	1
122101-104	PinPoint™ II Gateway Hub Cover	1
706530-347	2-Pin DT Dust Plug	1
706530-356	12-Pin DT Dust Plug	1
706530-348	6-Pin DT Dust Plug	2
116200-045	2-Pin Tower WP Dust Plug	4
118640-040	PinPoint™ Key Fob	1
122015-001	PinPoint™ II Thumb Drive	1
142290-112	Left-hand A15/7 Watt AGCO Nozzle Body Assembly	2
142290-111	Right-hand A15/7 Watt AGCO Nozzle Body Assembly	117

Part Number	Description	Qty
188640-200	SIM Box Assembly	1

Table 5: 100 ft Boom with 15 in Spacing — 930078D1

Part Number	Description	Qty
118400-125	15-Nozzle/15-in Spacing VCM Assembly	4
118400-135	9-Nozzle/15-in Spacing VCM Assembly	3
118650-005	5 ft/6-Conductor Extension	1
118650-010	10 ft/6-Conductor Extension	1
118650-015	15 ft/6-Conductor Extension	1
118650-020	20 ft/6-Conductor Extension	1
118650-025	25 ft/6-Conductor Extension	1
118650-035	35 ft/6-Conductor Extension	1
118650-040	40 ft/6-Conductor Extension	1
122100-001	CapView II Display	1
122101-025	PinPoint™ II Gateway Hub	1
122101-104	PinPoint™ II Gateway Hub Cover	1
706530-347	2-Pin DT Dust Plug	1
706530-356	12-Pin DT Dust Plug	1
706530-348	6-Pin DT Dust Plug	4
116200-045	2-Pin Tower WP Dust Plug	8
118640-040	PinPoint™ Key Fob	1
122015-001	PinPoint™ II Thumb Drive	1
142290-112	Left-hand A15/7 Watt AGCO Nozzle Body Assembly	2
142290-111	Right-hand A15/7 Watt AGCO Nozzle Body Assembly	77
188640-200	SIM Box Assembly	1

Table 6: 100 ft Boom with 20 in Spacing — 930079D1

Part Number	Description	Qty
118400-126	15-Nozzle/20-in Spacing VCM Assembly	4
118400-134	9-Nozzle/20-in Spacing VCM Assembly	1
118650-005	5 ft/6-Conductor Extension	1
118650-010	10 ft/6-Conductor Extension	1
118650-015	15 ft/6-Conductor Extension	1
118650-035	35 ft/6-Conductor Extension	1
118650-040	40 ft/6-Conductor Extension	1

Part Number	Description	Qty
122100-001	CapView II Display	1
122101-025	PinPoint™ II Gateway Hub	1
122101-104	PinPoint™ II Gateway Hub Cover	1
142290-111	Right-hand A15/7 Watt AGCO Nozzle Body Assembly	60
706530-347	2-Pin DT Dust Plug	1
706530-356	12-Pin DT Dust Plug	1
706530-348	6-Pin DT Dust Plug	6
116200-045	2-Pin Tower WP Dust Plug	9
118640-040	PinPoint™ Key Fob	1
122015-001	PinPoint™ II Thumb Drive	1
188640-200	SIM Box Assembly	1

Table 7: 120 ft Boom with 10 in Spacing — 930080D1

Part Number	Description	Qty
118400-137	15-Nozzle/10-in Spacing VCM Assembly	5
118400-136	9-Nozzle/10-in Spacing VCM Assembly	8
118650-005	5 ft/6-Conductor Extension	1
118650-010	10 ft/6-Conductor Extension	5
118650-015	15 ft/6-Conductor Extension	1
118650-025	25 ft/6-Conductor Extension	1
118650-030	30 ft/6-Conductor Extension	1
118650-040	40 ft/6-Conductor Extension	1
118650-045	45 ft/6-Conductor Extension	1
118650-055	55 ft/6-Conductor Extension	1
118650-060	60 ft/6-Conductor Extension	1
118640-032	6-Conductor Y-adapter	4
122100-001	CapView II Display	1
122101-025	PinPoint™ II Gateway Hub	1
122101-104	PinPoint™ II Gateway Hub Cover	1
142290-111	Right-hand A15/7 Watt AGCO Nozzle Body Assembly	139
706530-347	2-Pin DT Dust Plug	1
706530-356	12-Pin DT Dust Plug	1
706530-348	6-Pin DT Dust Plug	2
116200-045	2-Pin Tower WP Dust Plug	4
118640-040	PinPoint™ Key Fob	1

Part Number	Description	Qty
122015-001	PinPoint™ II Thumb Drive	1
142290-112	Left-hand A15/7 Watt AGCO Nozzle Body Assembly	4
188640-200	SIM Box Assembly	1

Table 8: 120 ft Boom with 15 in Spacing — 930081D1

Part Number	Description	Qty
118400-125	15-Nozzle/15-in Spacing VCM Assembly	4
118400-135	9-Nozzle/15-in Spacing VCM Assembly	5
118650-005	5 ft/6-Conductor Extension	1
118650-010	10 ft/6-Conductor Extension	1
118650-015	15 ft/6-Conductor Extension	1
118650-025	25 ft/6-Conductor Extension	1
118650-030	30 ft/6-Conductor Extension	1
118650-040	40 ft/6-Conductor Extension	1
118650-045	45 ft/6-Conductor Extension	1
118650-050	50 ft/6-Conductor Extension	1
118650-055	55 ft/6-Conductor Extension	1
122100-001	CapView II Display	1
122101-025	PinPoint™ II Gateway Hub	1
122101-104	PinPoint™ II Gateway Hub Cover	1
142290-111	Right-hand A15/7 Watt AGCO Nozzle Body Assembly	93
706530-347	2-Pin DT Dust Plug	1
706530-356	12-Pin DT Dust Plug	1
706530-348	6-Pin DT Dust Plug	2
116200-045	2-Pin Tower WP Dust Plug	10
118640-040	PinPoint™ Key Fob	1
122015-001	PinPoint™ II Thumb Drive	1
142290-112	Left-hand A15/7 Watt AGCO Nozzle Body Assembly	2
188640-200	SIM Box Assembly	1

Table 9: 120 ft Boom with 20 in Spacing — 930082D1

Part Number	Description	Qty
118400-134	9-Nozzle/20-in Spacing VCM Assembly	9
118650-005	5 ft/6-Conductor Extension	1
118650-010	10 ft/6-Conductor Extension	1

Part Number	Description	Qty
118650-015	15 ft/6-Conductor Extension	1
118650-020	20 ft/6-Conductor Extension	1
118650-025	25 ft/6-Conductor Extension	1
118650-040	40 ft/6-Conductor Extension	1
118650-045	45 ft/6-Conductor Extension	1
118650-050	50 ft/6-Conductor Extension	1
118650-055	55 ft/6-Conductor Extension	1
122100-001	CapView II Display	1
122101-025	PinPoint™ II Gateway Hub	1
122101-104	PinPoint™ II Gateway Hub Cover	1
142290-111	Right-hand A15/7 Watt AGCO Nozzle Body Assembly	70
706530-347	2-Pin DT Dust Plug	1
706530-356	12-Pin DT Dust Plug	1
706530-348	6-Pin DT Dust Plug	2
116200-045	2-Pin Tower WP Dust Plug	9
118640-040	PinPoint™ Key Fob	1
122015-001	PinPoint™ II Thumb Drive	1
142290-112	Left-hand A15/7 Watt AGCO Nozzle Body Assembly	2
188640-200	SIM Box Assembly	1

Table 10: 120 ft Aluminum Boom with 20 in Spacing — 930083D1

Part Number	Description	Qty
118400-134	9-Nozzle/20-in Spacing VCM Assembly	7
118400-138	4 and 5-Nozzle/20-in Spacing VCM Assembly	2
118650-005	5 ft/6-Conductor Extension	1
118650-010	10 ft/6-Conductor Extension	1
118650-015	15 ft/6-Conductor Extension	1
118650-025	25 ft/6-Conductor Extension	1
118650-030	30 ft/6-Conductor Extension	1
118650-040	40 ft/6-Conductor Extension	1
118650-045	45 ft/6-Conductor Extension	1
118650-050	50 ft/6-Conductor Extension	1
118650-055	55 ft/6-Conductor Extension	1
122100-001	CapView II Display	1
122101-025	PinPoint™ II Gateway Hub	1

Part Number	Description	Qty
122101-104	PinPoint™ II Gateway Hub Cover	1
142290-111	Right-hand A15/7 Watt AGCO Nozzle Body Assembly	72
706530-347	2-Pin DT Dust Plug	1
706530-356	12-Pin DT Dust Plug	1
706530-348	6-Pin DT Dust Plug	2
116200-045	2-Pin Tower WP Dust Plug	9
118640-040	PinPoint™ Key Fob	1
122015-001	PinPoint™ II Thumb Drive	1
188640-200	SIM Box Assembly	1

Table 11: 132 ft Aluminum Boom with 20 in Spacing — 930084D1

Part Number	Description	Qty
118400-134	9-Nozzle/20-in Spacing VCM Assembly	7
118400-126	15-Nozzle/20-in Spacing VCM Assembly	2
118650-005	5 ft/6-Conductor Extension	1
118650-010	10 ft/6-Conductor Extension	1
118650-015	15 ft/6-Conductor Extension	1
118650-025	25 ft/6-Conductor Extension	1
118650-030	30 ft/6-Conductor Extension	1
118650-040	40 ft/6-Conductor Extension	1
118650-045	45 ft/6-Conductor Extension	1
118650-050	50 ft/6-Conductor Extension	1
118650-055	55 ft/6-Conductor Extension	1
122100-001	CapView II Display	1
122101-025	PinPoint™ II Gateway Hub	1
122101-104	PinPoint™ II Gateway Hub Cover	1
142290-111	Right-hand A15/7 Watt AGCO Nozzle Body Assembly	80
706530-347	2-Pin DT Dust Plug	1
706530-356	12-Pin DT Dust Plug	1
706530-348	6-Pin DT Dust Plug	2
116200-045	2-Pin Tower WP Dust Plug	13
118640-040	PinPoint™ Key Fob	1
122015-001	PinPoint™ II Thumb Drive	1
188640-200	SIM Box Assembly	1

**Figure 1:****1. Install the nozzle body/valve assemblies.**

There are right-hand (1) and left-hand (2) nozzle bodies/valve assemblies used during this installation.

Make sure that you know the locations of the left-hand nozzle body/valve assembly. The left-hand version is used for clearance reasons.

Configurations that require a left-hand nozzle body/valve assembly include:

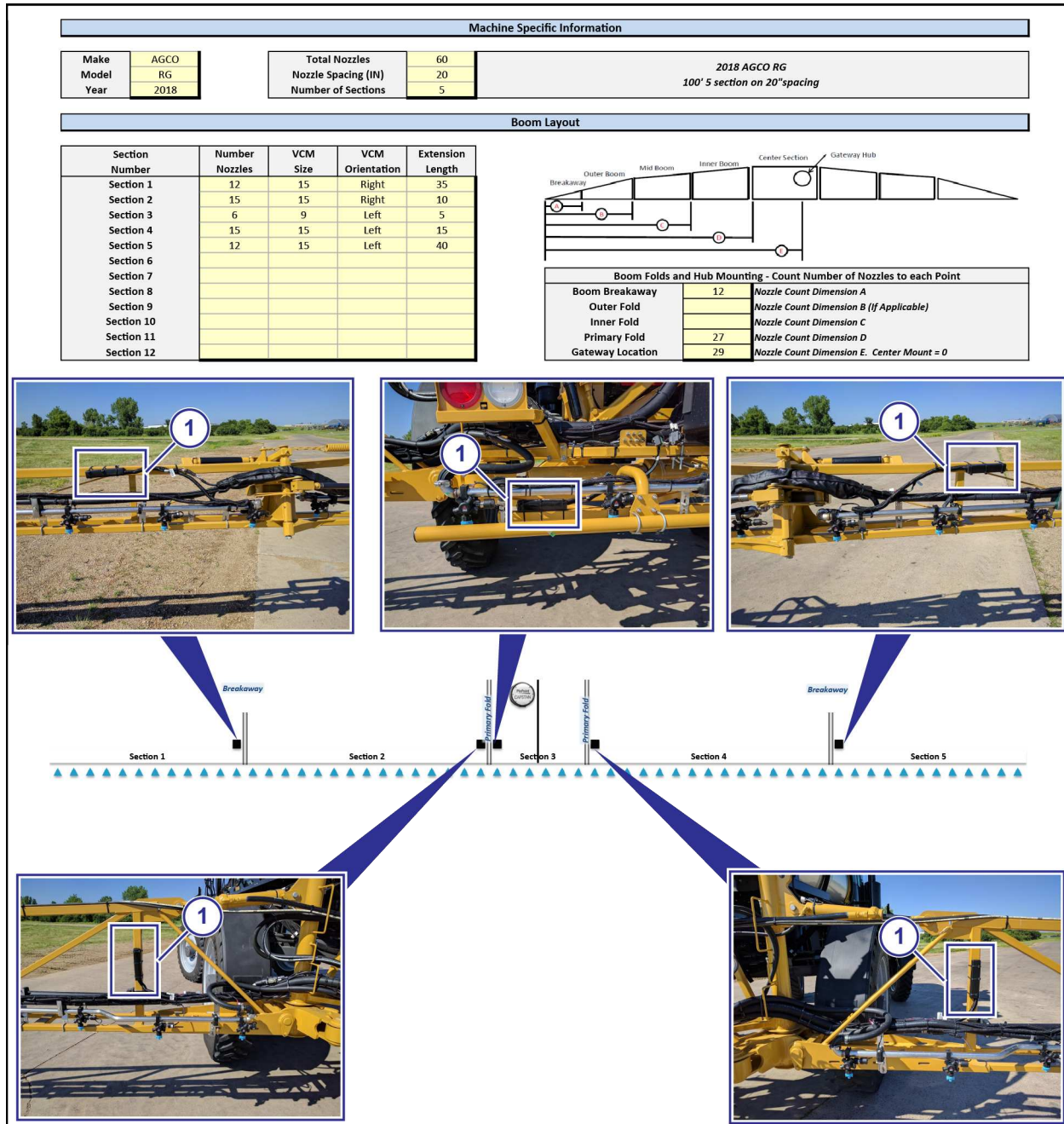
Configuration	Left-hand Nozzle Location	Boom Area
90 ft with 10 in Spacing	18, 48	Left Inner Boom
90 ft with 15 in Spacing	12, 32	Left Inner Boom
100 ft with 10 in Spacing	24, 54	Left Inner Boom
100 ft with 15 in Spacing	16, 36	Left Inner Boom
120 ft by 10 in Spacing	17, 34, 66, 11	Left Outer, Left Inner, Right Outer Boom
120 ft by 15 in Spacing	44, 74	Left Inner, Right Outer Boom
120 ft by 20 in Spacing	9, 56	Left Inner, Right Outer Boom

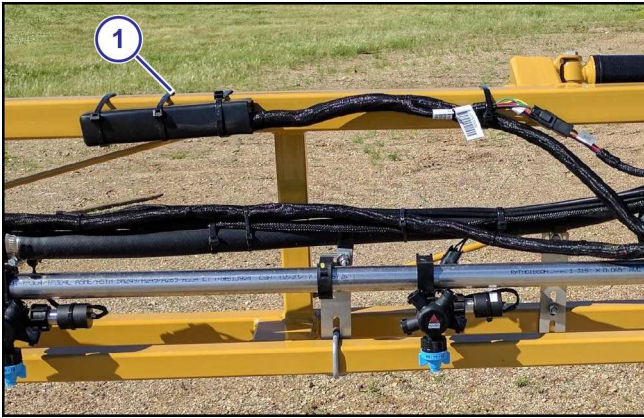
2. Install the VCMs.

Depending on the boom configuration, different VCMs may be installed. The part numbers include:

Nozzle Spacing	9-Nozzle VCM Part Number	15-Nozzle VCM Part Number
10 in	118400-136	118400-137
15 in	118400-135	118400-125
20 in	118400-134	118400-126

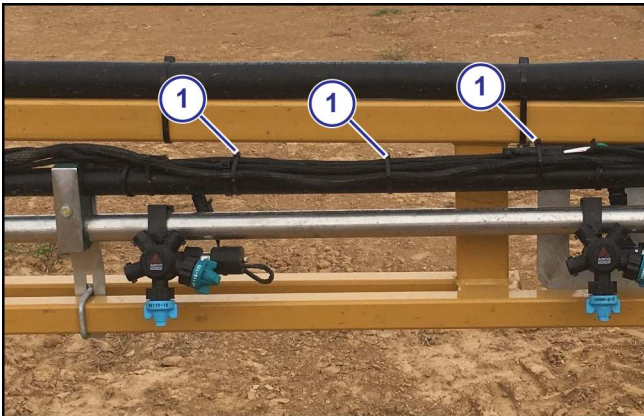
The specific boom configurations will have specific VCM placement requirements.



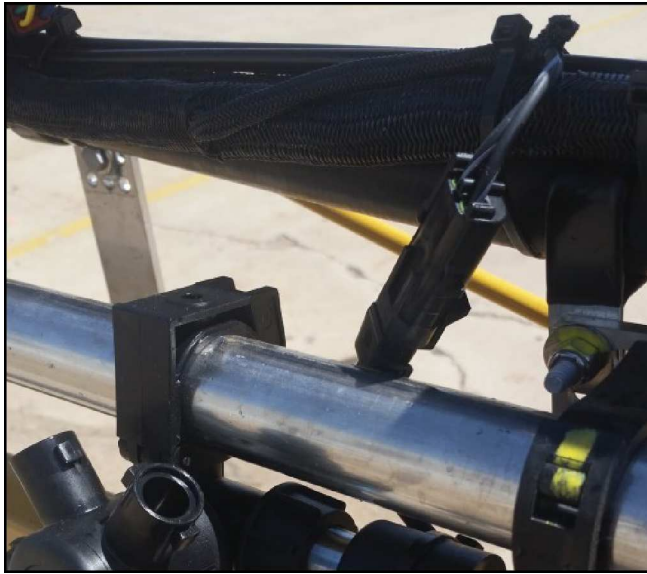
**Figure 3:**

4. Secure each VCM to the boom structure with three heavy cable ties (1) on the body of the VCM.
5. Route the pigtail drops on the VCM harnesses away from each VCM and connect to each nozzle valve assembly (shown as small light blue arrows in Figure 14).

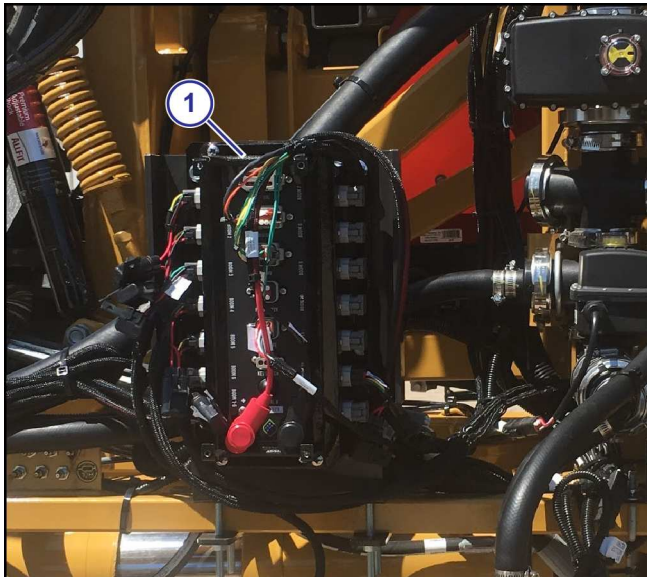
Follow the boom plumbing or booms tubes as much as possible.

**Figure 4:**

6. Where VCM nozzle drop harness and VCM CAN Extension wiring overlap, use a single cable tie (1) to secure them to the other electronic harnessing or plumbing every 10 in to 12 in.

**Figure 5:**

7. The pigtails should be connected on the front side of the boom as shown.

**Figure 6:**

8. Find the mounting location for the Gateway hub.

The round circle located high in the center section indicates, generally, the mounting location for the Gateway Hub (1).

The Gateway Hub mount is installed as a part of the Tree/Center Kit.

9. Attach the Gateway Hub to this bracket using the supplied hardware with the power lugs located towards the bottom of the mount.

The Chassis Harness, Power Harness, Cab Extension Harness, SIM Module Harness, Boom Shutoff Harness, and Boom Extension Harnesses all plug into the Gateway Hub.

10. Route the harnesses so that they may be plugged into the hub in a way that will not promote water ingress into any connectors or terminals by routing wires using a drip loop where needed.

11. The 6-Pin CAN Extension harnesses are routed from the VCM to the center section following the other boom wiring.

12. Use the cable ties to secure the harnesses together, spaced 10 in to 12 in.

13. Excess wire should be gathered to the center section of the machine and looped together and secured with a cable tie allowing for adequate movement of the harnesses.
14. Then plug the harnesses into the appropriate port on the Gateway hub.

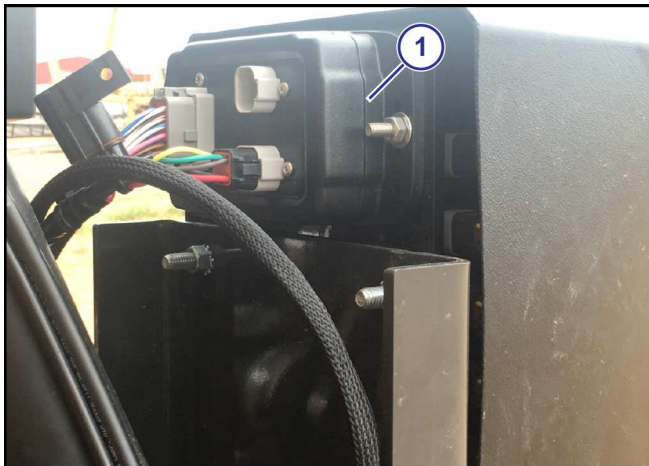
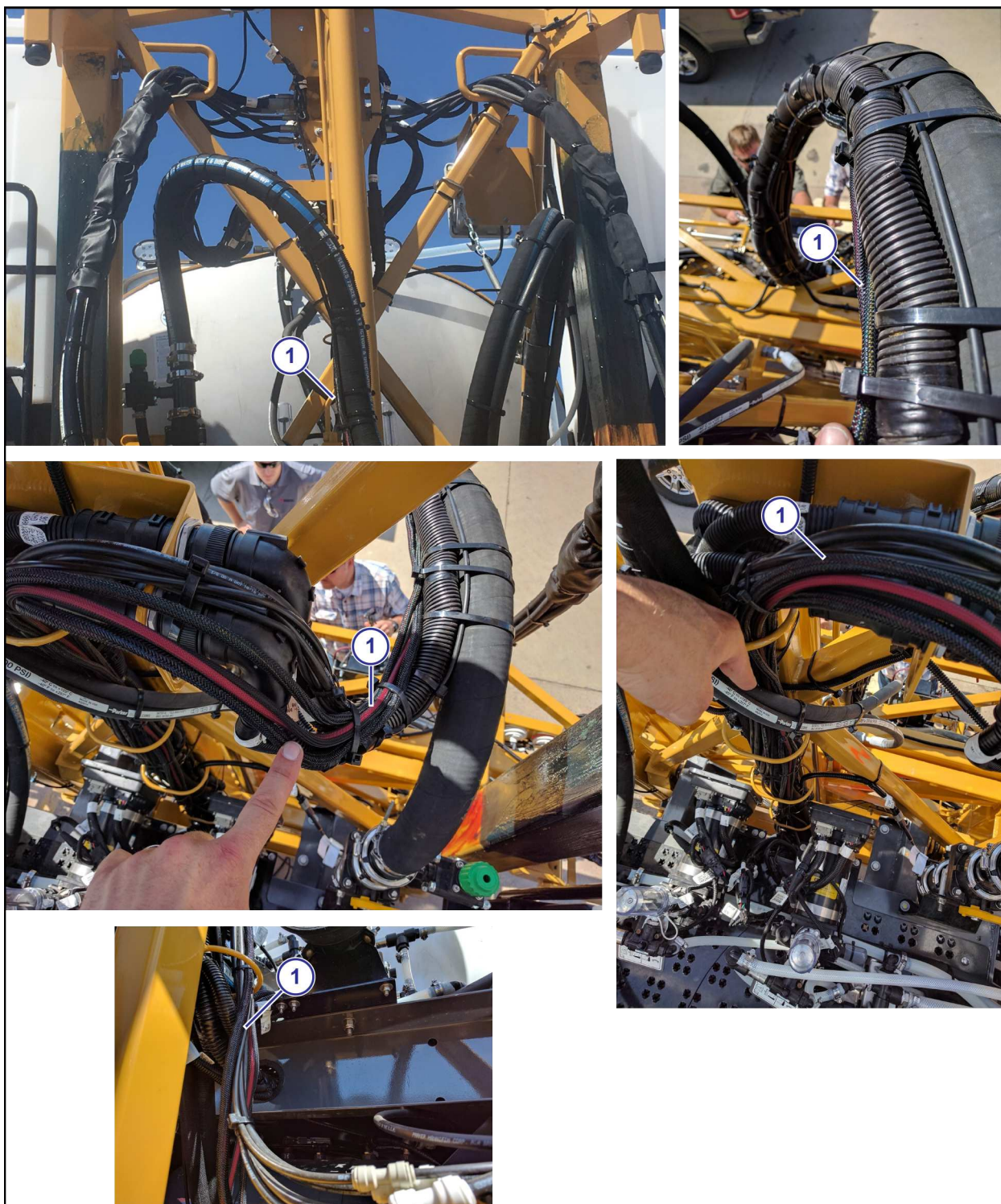


Figure 7:

15. Mount the SIM module (1) on the back of the Gateway Hub using 1/4-20 hex head screws, washers, and lock nuts.
16. The SIM module harness (P/N 118692-001) is a part of the tree/center kit and is connected to the chassis harness and interfaces with the marlin module harness J1 and J2 connectors and are labeled.
17. The 6-pin connector on the SIM harness connects to the 6-pin port on the SIM module labeled CAN/PWR.
18. The PinPoint™ SIM shutoff harness, also included in the tree/center kit, connects to the 12-pin port on the SIM module.
19. The leads on the other end of the shutoff harness connect to the BOOM 1-6 and BOOM 7-12 ports on the Gateway Hub.
20. Install the hub cover.

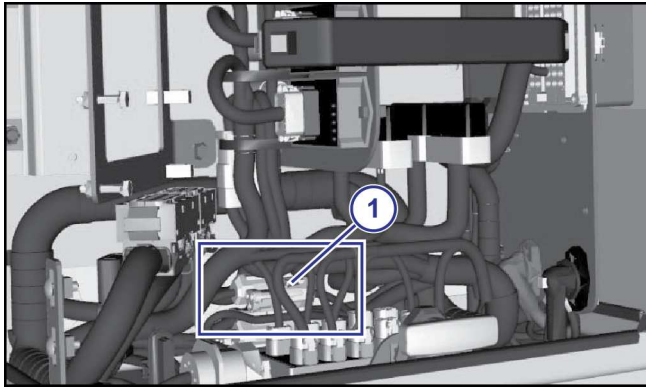
Install the Tree/Center Kit—930073D1

Part Number	Description	Qty
118657-001	Pressure Sensor Adapter Harness	1
118703-009	Gateway Hub Mounting Kit for RoGator Large Frame Mast	1
118669-050	Chassis Harness - AGCO Model Year 2018 and up	1
118669-052	6 Conductor Cab Extension Harness - 33 ft	1
118692-001	AGCO Switch Interface Module (SIM) Harness	1
118606-059	AGCO PinPoint™ SIM Shutoff Harness	1
620202-016	Auxiliary Pressure Sensor Extension Harness - 15 ft	1

**Figure 8:**

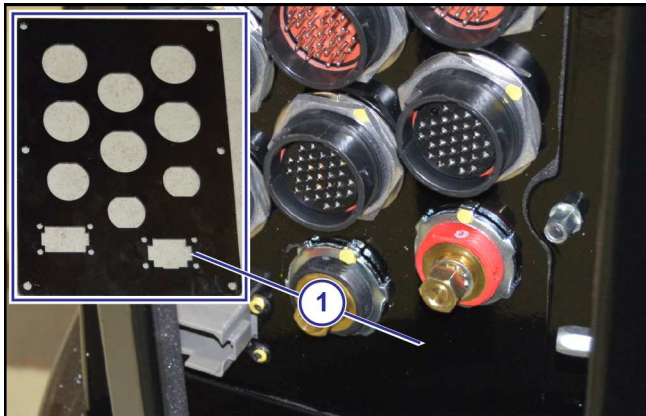
Note: A 90 ft boom is shown.

1. Route the chassis harness (1) along the other electrical harnesses and the liquid-supply product plumbing up through the center section and towards the catwalk at the rear of the machine.
2. Continue to follow the electrical plumbing through the metal rings down to the chassis cutout.

**Figure 9:**

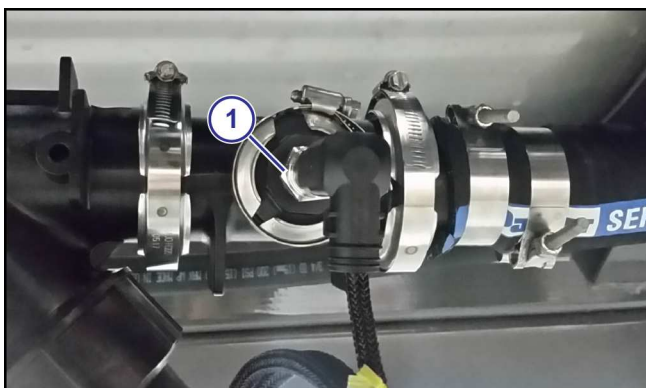
3. Follow the electrical plumbing to the right side of the machine and run along the electrical node/control box.
4. Route the two 6-pin connectors (1) into the node box.
The cab harness tees into an existing connection.

- If the machine is configured for Raven control, tee the connectors between X0775 and X0777.
- If the machine is configured for AgControl (EXT), tee the connectors between X0775 and X0776.

**Figure 10:**

The cab extension harness connects the Gateway hub to the connector on the rear corner of the cab.

5. Connect the 6-pin Deutsch DT male connector end into the Boom 12 port on the Gateway hub.
6. Route the cab extension harness like the chassis harness up through the center section and then down along the right side of the machine to the outside rear corner of the cab.
7. Connect the 8-pin Deutsch DT male connector (1).

**Figure 11:**

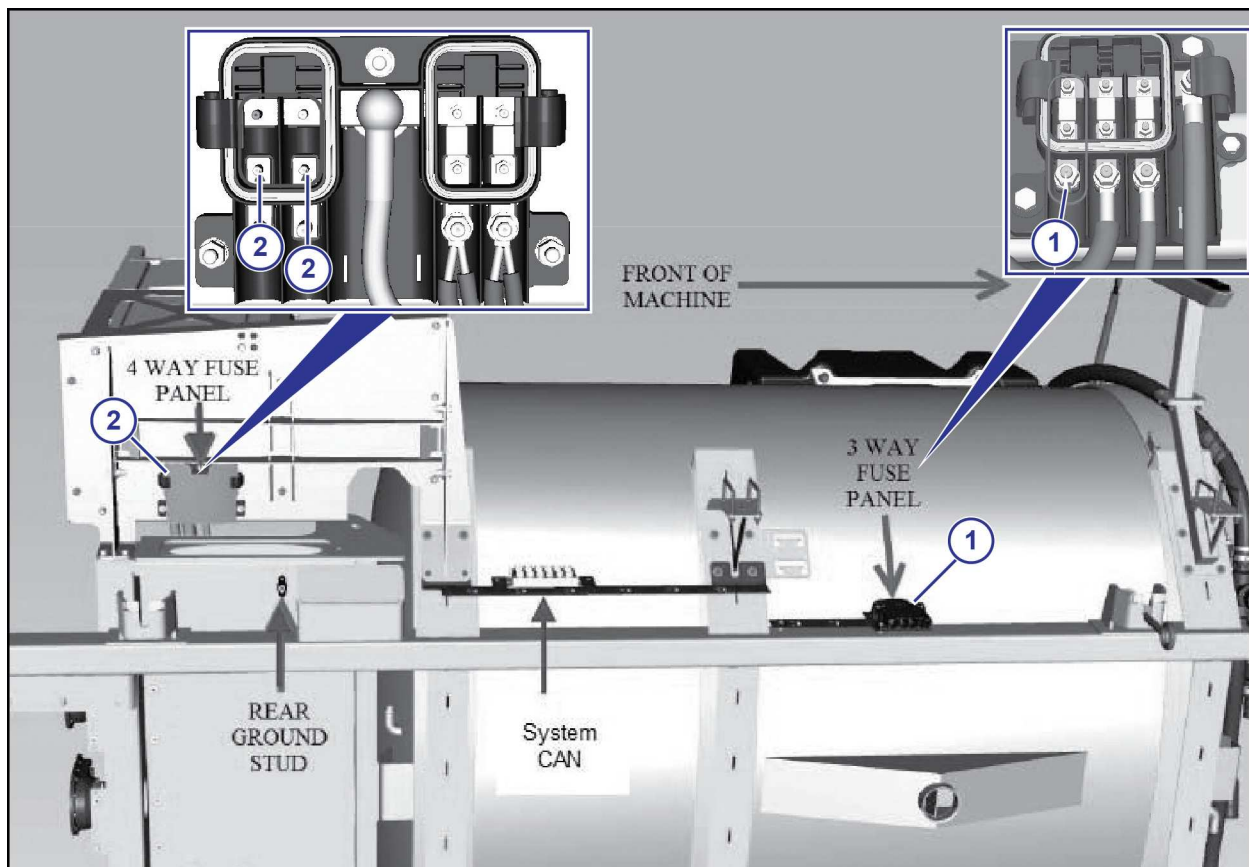
8. Connect the extension harness to the pressure sensor adapter harness (P/N 620202-016).
9. Route the extension harness along the left side of the machine along the frame rail toward the strainers.
10. Connect the pressure sensor (1) to the pressure sensor extension harness.
11. Use cable ties to secure the harness to the product plumbing every 18 in to 24 in.

See the installation instructions included in the hub mounting kit to install the hub mounting kit for the AGCO RoGator Large Frame Mast.

Install the System Power Kit—930072D1

Before installation of the system power kit, make sure that you have installed the hub mount kit for large frame mast. See the installation instructions included in the hub mounting kit to install the hub mounting kit for the AGCO RoGator Large Frame Mast.

Part Number		Description	Qty
930114D1		AGCO Power Harness - 25 ft	1
118655-010		Fuse Kit	1
	705125-140	100 A Bolt-down Fuse	1
	713600-007	M5 Split Lock Washer	2
	713501-907	M5 Hex Nut	2
	713501-908	M5 Flanged Hex Locknut	2
116301-011		Pressure Sensor Kit	1
	116301-010	100 psi Pressure Sensor	1
	620202-023	Pressure Sensor Harness	1
116301-012		Pressure Sensor Installation Kit	1
	M220100TEE	Full Port x 1 inch Flange 2 inch Tee Fitting	1
	M100PLG25	1 inch x 1/2 inch Flange Plug	1
	FC220	1 inch Full Port Flange Clamp	1
	FC100	1 inch Flange Clamp	1
	UFG0200E	2 inch Full Port Flange Gasket	1
	UFG0100E	1 inch Flange Gasket	1

**Figure 12:****1. Install the 100 A Fuse.**

- In the three-way fuse panel (1).
- If the machine has direct injection, in the four-way fuse panel (2).

2. Connect the power harness to the power lugs on the Gateway hub.**3. Route the power harness to the three-way fuse panel along the right side of the outer frame.**

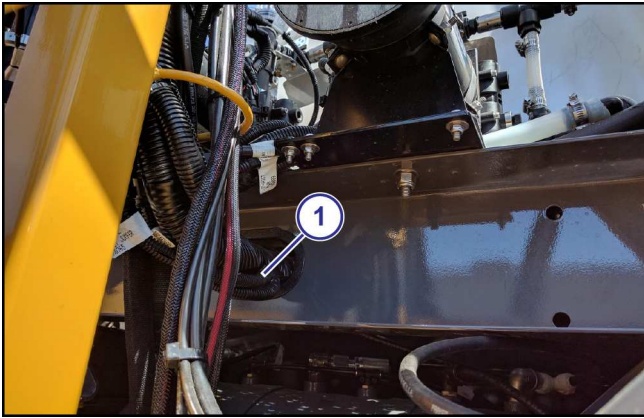
If the machine has direct injection, rout the power harness to the four-way fuse panel along the right side of the outer frame.

4. Connect the power wire to the power stud on the on the fuse block.

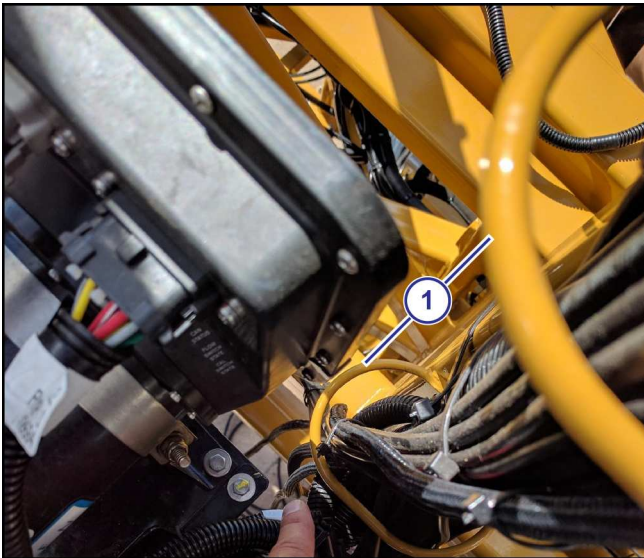
On a three-way fuse, the power wire will reach and not have extra.

On a direct injection four-way fuse, coil the access power wire and secure with a cable tie near the fuse block.

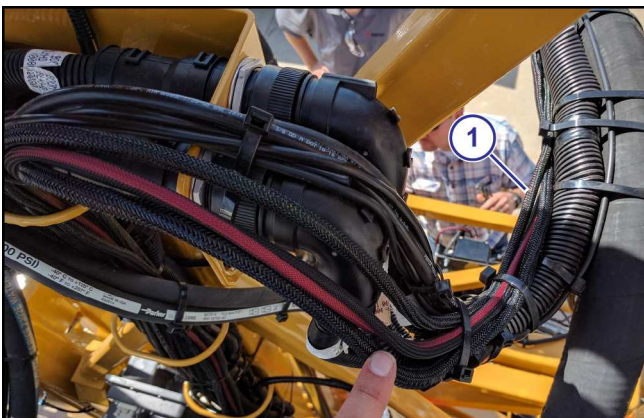
5. Attached the black (ground) wire to the rear ground stud.

**Figure 13:**

6. Route the power harness (*I*) with the other loomed harness under the frame and out through the rear chassis cutout, as shown.

**Figure 14:**

7. Route the power harness up through the metal rings (*I*) along with the other wiring harnesses, as shown.

**Figure 15:**

8. Continue to route the power harness (*I*) along the other harnesses up through the tree/center.
9. Then route the power harness with the hose plumbing to the rear of the tree/center, as shown.

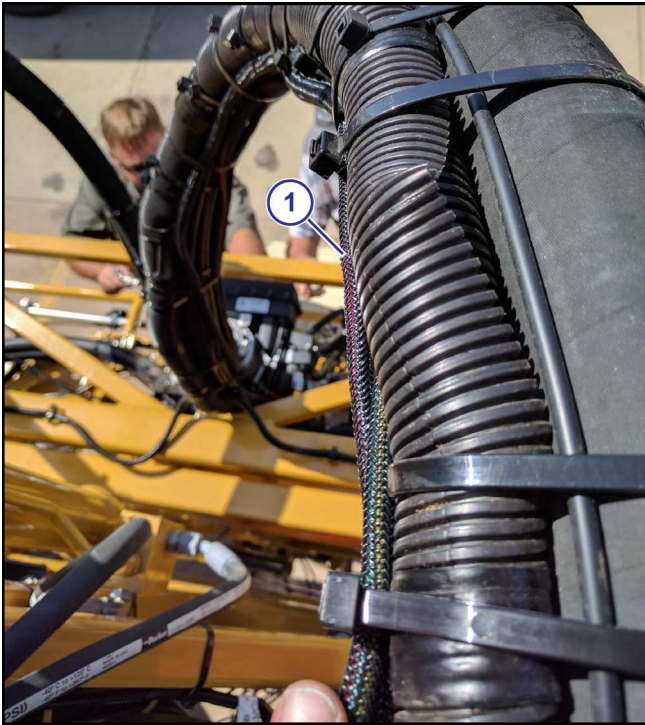


Figure 16:

10. Continue to follow the hose plumbing (1) down to the center of the tree/center section.

11. Attach the cable ring terminals to the correct lugs on the Gateway hub.

- Red wire to the positive lug.
- Black wire to the negative lug.

12. Tighten the nuts on the bolts.

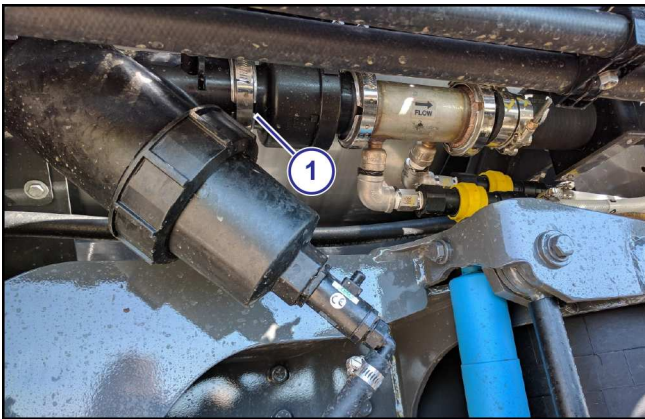
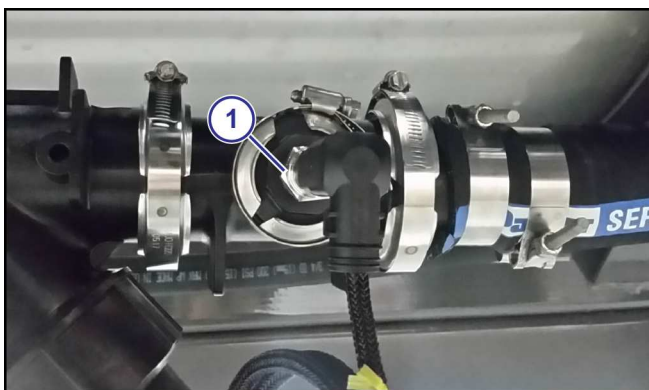


Figure 17:

13. Install the pressure sensor immediately after the two strainers in the main plumbing line (1) coming from the product pump and before the check valve that is in place if chemical injection is installed on the machine.

**Figure 18:**

The pressure sensor has a 4-pin connector and 90 degree strain-relieving boot that terminates with a 3-pin weather-pack connector. The CapstanAG sensor can be oriented horizontally or slightly horizontal with the strain-relieving boot facing downward.

14. Install the pressure sensor (1) in the 1 in flange port of the tee fitting using a 1/4 in NPT plug.
15. If it is necessary, install the check valve and further product plumbing downstream from the pressure sensor.
16. Connect the pressure sensor to the pressure sensor extension harness.
17. Route the extension harness along the plumbing up and through the center section and down to the Gateway hub.
18. Connect the extension harness to the pressure sensor adapter harness.
19. Use cable ties to secure the harness to the product plumbing every 18 in to 24 in.

Install the Cab Kit—930071D1

Part Number	Description	Qty
122200-210	PinPoint™ II for Sprayers Operator and Maintenance Manual	1
118669-051	PinPoint™ II Cab Harness for AGCO	1
118603-112	1-1/2 in RAM Ball Mount	1
120053-001	GPS Adapter for AGCO RoGator C Series	1

**Figure 19:**

1. Install the CapView II display (1), from the boom kit, in the cab using the RAM ball mount.
2. Connect the cab harness to the CapView II display for power and GPS.
3. Route the cab harness along the right side of the cab above the window.

4. Put the PinPoint™ II for Sprayers Operator Manual in the yellow document bag.



Figure 20:

5. Then route the cab harness under the B-post (1) plastic cover, but outside of the metal structure.
6. Continue to route the harness behind the cup holder/auxiliary power plastic tray (2).

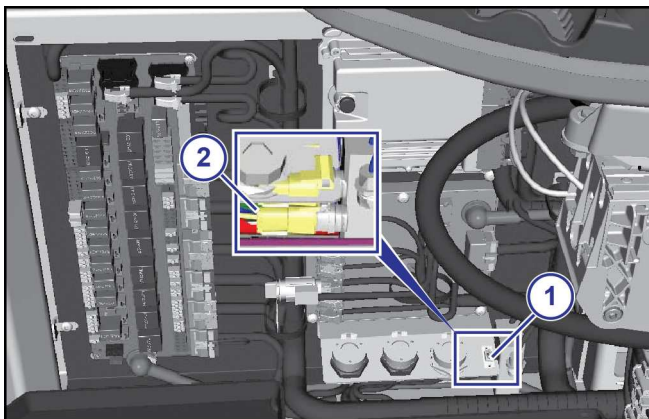


Figure 21:

7. Connect the RS232 GPS connector to the accessory port (1) Ref Des-C34.
If not available, use the GPS adapter cable (2) (P/N 120053-001) to connect to AGCO PN-X5085.

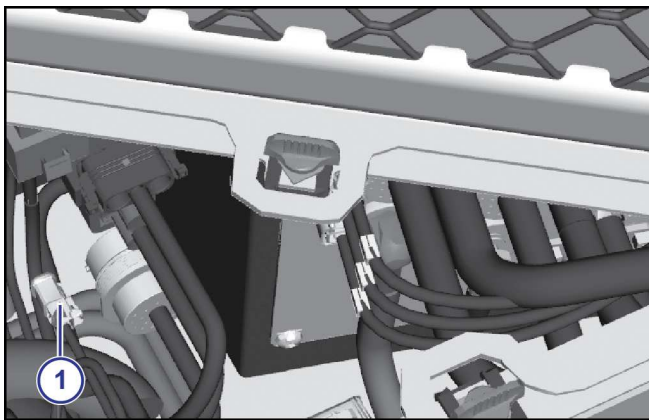


Figure 22:

8. Route the rest of the cab harness toward the back panel of the cab where the electrical bulkhead is located.
9. Connect the 2-pin Deutsch DT connector (1) on the cab harness to the X66-Remote Engage SW connector.

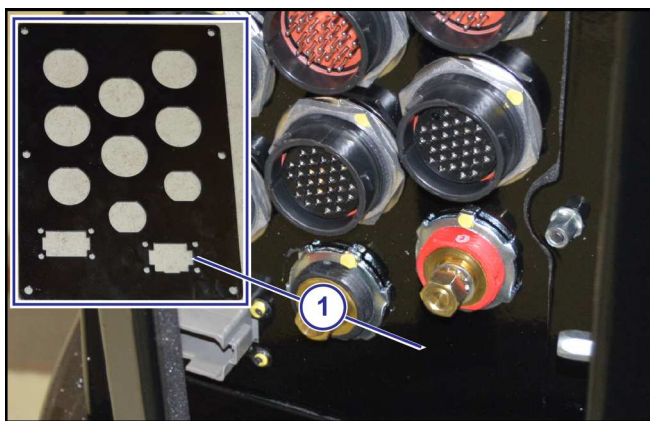


Figure 23:

10. Make a hole for the 8-pin Deutsch DT bulkhead connector (*1*) as shown.
11. Install the bulkhead connector.
12. If the GPS adapter harness is not used, put it in the document bag.

