



Parallel Installation Manual

AGCO Rogator 1264 & 1274

CHAPTER

1

INTRODUCTION

Congratulations on your purchase of the Raven AccuBoom system! This system is designed to provide worry free turn-on and turn-off of your booms with respect to the as-applied coverage map. The following instructions are designed to assist you in the proper installation of the AccuBoom system. See the Viper Installation and Operators Manual for instructions on setting up the software and using the AccuBoom system. You will also need a valid AccuBoom Control Activation Key for your Viper system in order to activate the AccuBoom system.



Important! All boom switches must remain in the **OFF** position while AccuBoom control is in operation!

Components Needed

- Parallel AccuBoom Control Node - P/N 063-0172-517
- 1264/1274 Series Rogator AccuBoom Cable Kit - P/N 117-0159-994
- AccuBoom Control Activation Key - P/N 077-0180-010

Note: The 1264/1274 Series Rogator AccuBoom Cable Kit includes:

- Cable, Parallel AccuBoom, 1264/1274 Series - P/N 115-0171-574
- Cable, Parallel AccuBoom, Data - P/N 115-0171-575
- Cable, Parallel AccuBoom, Boom Enable - P/N 115-0171-576

Notes:

C H A P T E R

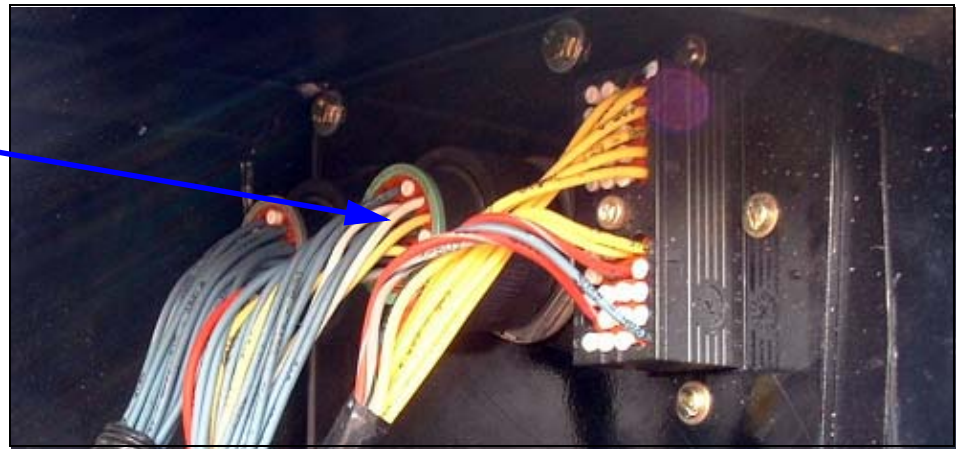
2

INSTALLATION

Use the following procedure to properly install the AccuBoom system on a 1264/1274 Series Rogator sprayer using a Raven console connected to a Raven Viper system:

1. Locate the boom control cable inside the protective cover on the left rear corner of the cab.

**Boom Control
Connector**



2. Connect the AccuBoom cable to the sprayer boom harness:
 - a. Unplug the Rogator boom cable from the bulkhead connector. This cable has light blue and yellow wires connected to it.

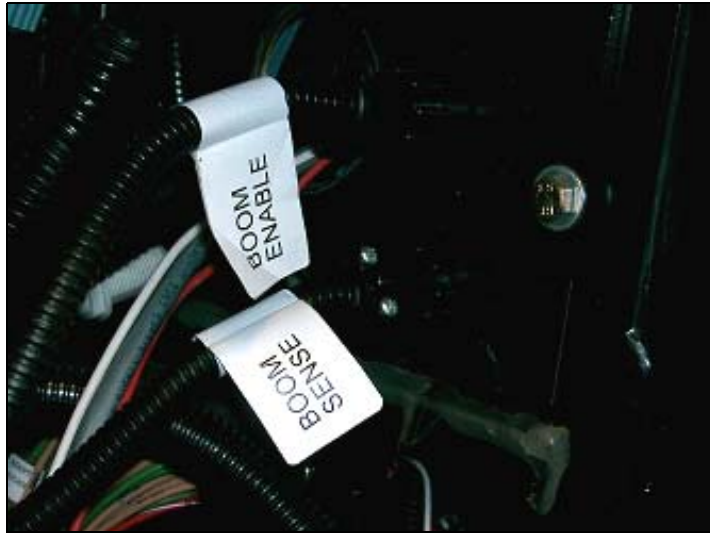
- b. Tee in the AccuBoom cable (P/N 115-0171-574) between the Rogator boom cable bulkhead connector and the boom harness cable.



3. Remove the two small knockouts from the cab bulkhead.



4. Install the remaining two smaller round connectors into the bulkhead knockouts.



5. Mount the Parallel AccuBoom node:
 - a. Locate the mounting standoffs in the corner of the bulkhead compartment.
 - b. Mount the Parallel AccuBoom node to a mounting plate.
 - c. Mount the AccuBoom and plate to the mounting standoffs.

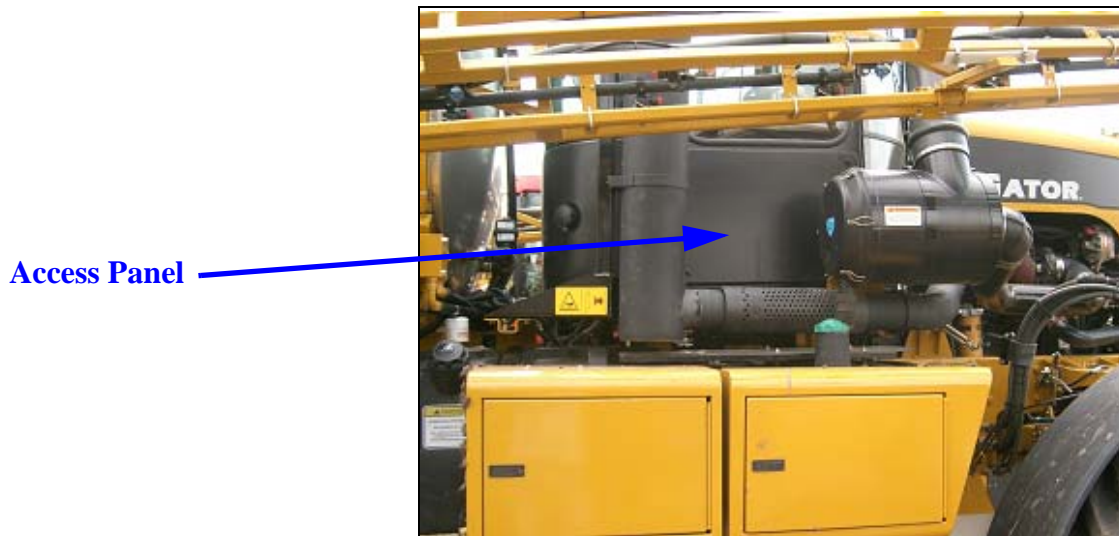


6. Connect the AccuBoom cable to the AccuBoom node:

- a. Connect the rectangular connectors from the AccuBoom cable (P/N 115-0171-574) to the Parallel AccuBoom node (P/N 063-0172-517).



7. Remove the side access panel located on the lower left side of the operator cab.



8. Connect the Data cable (P/N 115-0171-575) and Boom Enable cable (P/N 115-0171-576) to the two connectors previously mounted on the rear bulkhead.
9. Connect power and ground:
 - a. Wire the red power wire to the master boom switch.
 - b. Connect the white ground wire directly to the battery ground.

10. Connect the 15 pin D-sub connector to the Auxiliary connector on the Viper interface cable (P/N 115-0171-256).



11. The Parallel AccuBoom hardware installation is now complete.

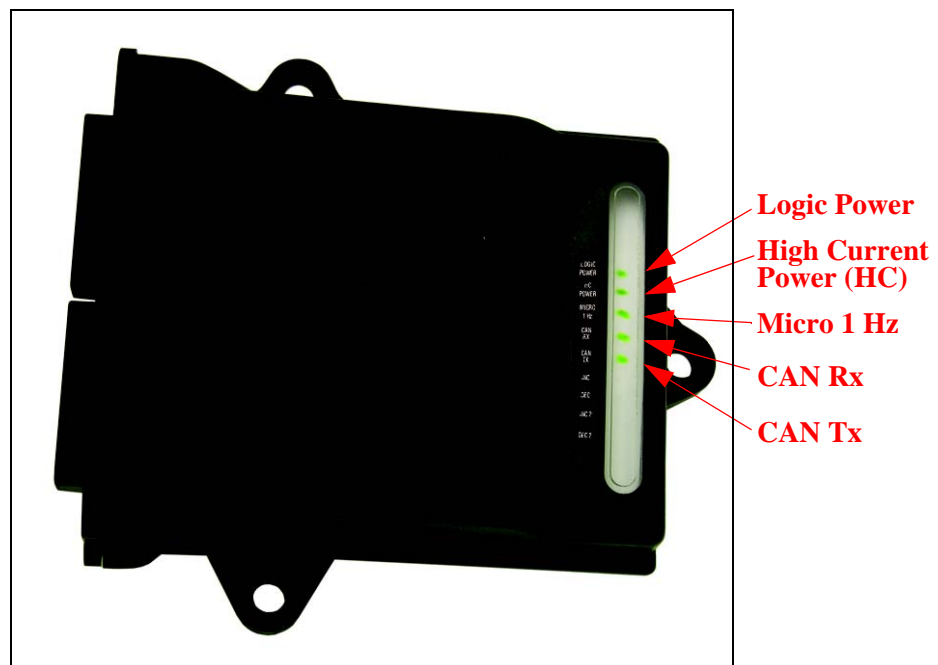
Notes:

CHAPTER

3

SYSTEM TROUBLESHOOTING

The CAN AccuBoom node (P/N 063-0172-316) has additional features to allow the user to diagnose the AccuBoom system. The CAN AccuBoom node has a plastic window in the case that allows the user to view green diagnostic lights. The picture below shows the positioning of the lights.



- **Logic Power:** Lit when 12VDC logic power is available at the node.
- **High Current Power:** Lit when High Current Power is applied to the node.
- **Micro 1 Hz:** Flashes at 1 Hz interval when processor is active.
- **CAN Rx:** Flashes when CAN messages are being received.
- **CAN Tx:** Flashes when CAN messages are being transmitted.

A decorative border resembling a spiral notebook, with a series of overlapping loops forming a frame around the text.

RAVEN INDUSTRIES

LIMITED WARRANTY

WHAT IS COVERED?

This warranty covers all defects in workmanship or materials in your Raven Flow Control Product under normal use, maintenance, and service.

HOW LONG IS THE COVERAGE PERIOD?

This warranty coverage runs for 12 months from the purchase date of your Raven Flow Control Product. This warranty coverage applies only to the original owner and is not transferrable.

HOW CAN YOU GET SERVICE?

Bring the defective part, and proof of date of purchase, to your local dealer. If your dealer agrees with the warranty claim, he will send the part, and proof of purchase to his distributor or to Raven for final approval.

WHAT WILL RAVEN INDUSTRIES DO?

When our inspection proves the warranty claim, we will, at our option, repair or replace the defective part and pay for return freight.

WHAT DOES THIS WARRANTY NOT COVER?

Raven Industries will not assume any expense or liability for repairs made outside our plant without written consent. We are not responsible for damage to any associated equipment or product and will not be liable for loss of profit or other special damages. The obligation of this warranty is in lieu of all other warranties, expressed or implied, and no person is authorized to assume for us any liability. Damages caused by normal wear and tear, mis-use, abuse, neglect, accident, or improper installation and maintenance are not covered by this warranty.



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