



Parallel Installation Manual

AGCO Rogator 1254

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
- Cable, Parallel AccuBoom, 1254 Rogator - P/N 115-0171-584
- AccuBoom Control Activation Key - P/N 077-0180-010

Notes:

CHAPTER

2

INSTALLATION

Use the following procedure to properly install an AccuBoom system on a 1254 Series Rogator sprayer using a Raven console connected to a Raven Viper:

1. Locate the boom control cable located inside the protective cover on the right rear corner of the cab. This will be a rectangular Deutsche connector with yellow and blue wires.



2. Connect the AccuBoom cable to the sprayer boom harness.
 - a. Unplug the Rogator boom cable from the bulkhead connector.
 - b. Tee in the AccuBoom cable (P/N 115-0171-584) between the Rogator boom cable bulkhead connector and the boom harness cable.

**AccuBoom
Connector**



3. Remove the bolts holding the upper bulkhead plate that the Deutsche connectors are mounted on. Slide the cables through a gap that is already present between the upper and lower plate.



4. Mount the Parallel AccuBoom node.
 - a. Locate the mounting standoffs in the corner bulkhead compartment.
 - b. Mount the Parallel AccuBoom node to a mounting plate.

- c. Mount the AccuBoom and plate to the mounting standoffs.



5. Connect the AccuBoom cable (P/N 115-0171-584) to the AccuBoom node.
 - a. Connect the rectangular connectors from the AccuBoom cable (P/N 115-0171-584) to the Parallel AccuBoom node (P/N 063-0172-316)



6. Remove the side access panel located on the lower right side of the operator cab.



7. Connect power and ground.
 - a. Wire the red power wire to the master shutoff switch.
 - b. Connect the white ground wire directly to the battery ground.
8. Connect the 15 pin D-sub connector to the Auxiliary connector on the Viper interface cable (P/N 115-0171-256).



9. The Parallel AccuBoom hardware installation is now complete. Install the Activation Key on Viper and the AccuBoom system is ready for operation.



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.



Raven Industries
Flow Controls Division
P.O. Box 5107
Sioux Falls, SD 57117-5107

Toll Free 800-243-5435
Fax 605-331-0426
www.ravenprecision.com
fcinfo@ravenind.com