

**TerraGator with Liquid Bed
AccuBoom™ Installation Manual**

P/N 016-0171-062 Rev A 09/15

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SECTION 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 Operation 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 in order to activate the AccuBoom system.

IMPORTANT: All boom switches must remain in the ON position while AccuBoom control is in operation!

COMPONENTS NEEDED

Terragator with Liquid Bed Kit P/N 9-117-0171-079 including:

CAN AccuBoom Control Node – P/N 063-0172-316

AccuBoom Software Activation Key – P/N 077-0180-010

Terragator With Liquid Bed AccuBoom Cable – P/N 115-0171-701

CAN Tee Cable 12 foot – P/N 115-0171-362

AccuBoom Installation Sheet, Terragator With Liquid Bed – 016-0171-062

SECTION 2

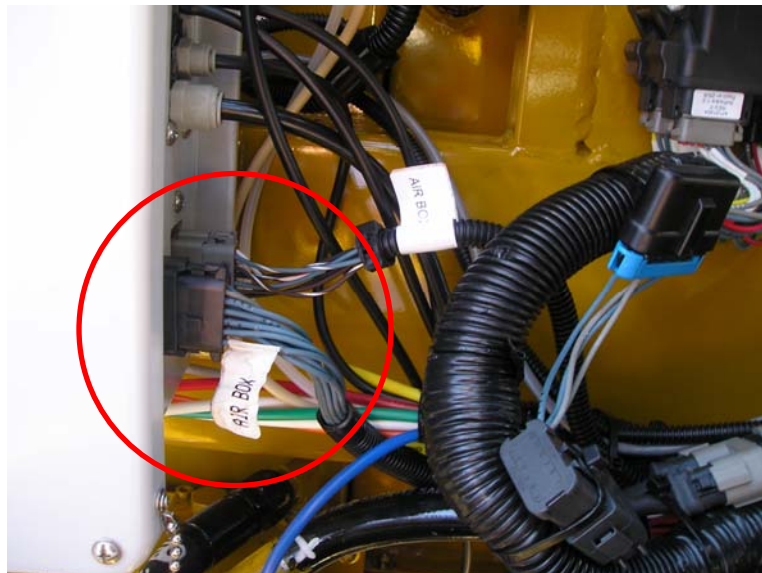
INSTALLATION

Use the following procedure to properly install the CAN AccuBoom system on a Terragator With Liquid Bed:

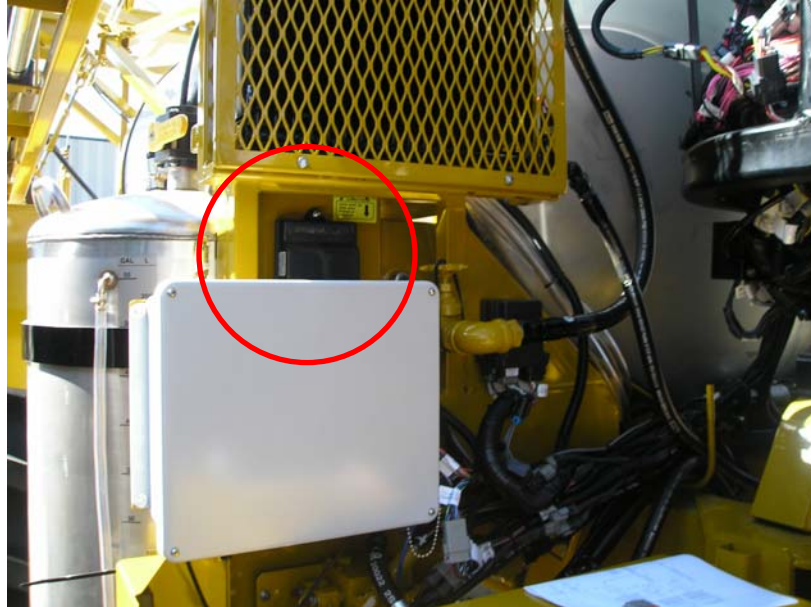
1. Connect AccuBoom cable to AccuBoom node.
 - a. Connect the rectangular connectors from the AccuBoom Cable P/N 115-0171-701 to the CAN Accuboom Node P/N 063-0172-316.



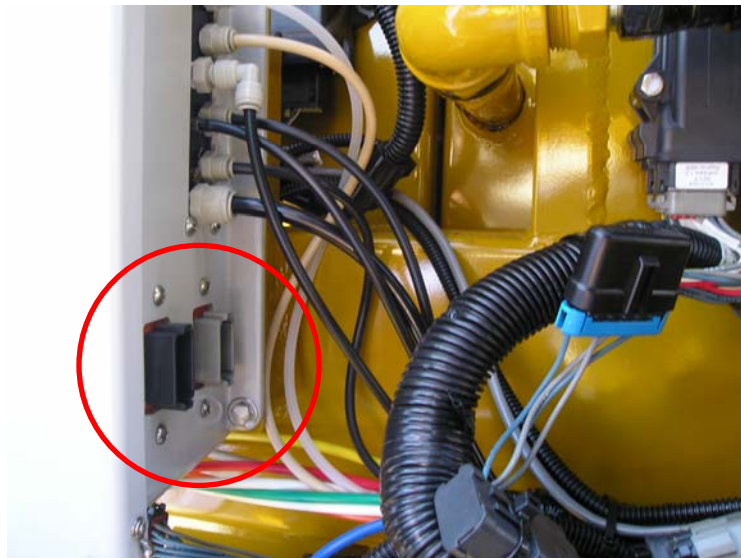
2. Mount the CAN AccuBoom node behind the Air Box.
 - a. Locate the Terragator boom cable connectors located on the right side of the Air Box. These connectors are 12 pin Deutsch connectors.



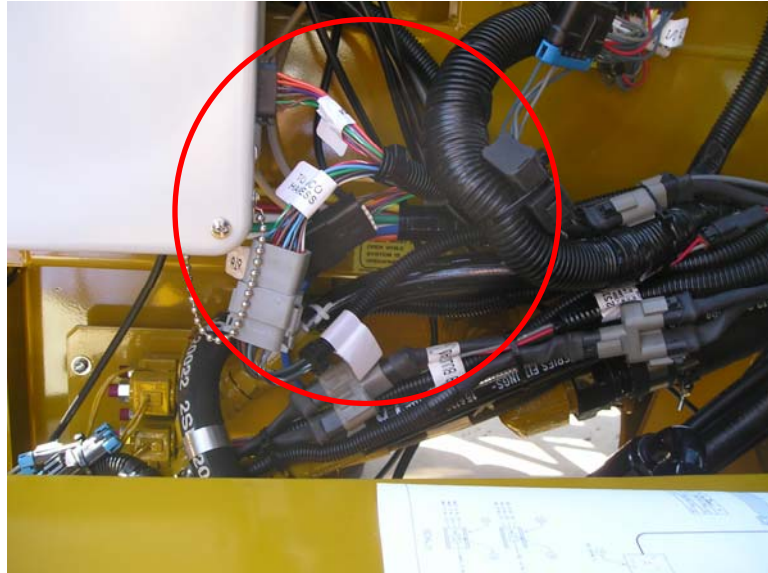
- b. Mount the Raven CAN AccuBoom Node P/N 063-0172-316 within 5 feet of the air box connectors.



3. Connect AccuBoom cable to the sprayer boom harness.
 - a. Unplug the Terragator boom cable from the Air Box.



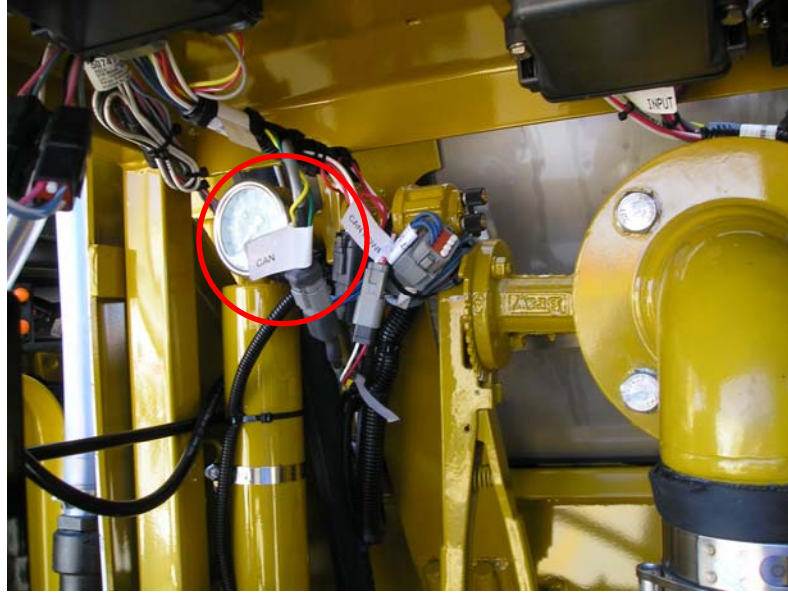
- b. Tee in the AccuBoom Cable P/N 115-0171-701 between the Terragator boom cable and the boom harness cable.



- 4. Route the CAN and power cables from AccuBoom harness to the main harness.
 - a. Connect a 12 foot CAN tee cable P/N 115-0171-362 to the CAN connector located on the AccuBoom Cable P/N 115-0171-701.
 - b. Route the 12 foot CAN Tee Cable P/N 115-0171-362 and the power cable from the AccuBoom Cable P/N 115-0171-701 to the CAN and CAN Power connection located behind the operator ladder.



5. Connect CAN cable to Product CANbus.
 - a. Remove the CAN Tee terminator from the Product Control CAN cable located directly behind the operator ladder.



- b. Connect the CAN tee cable P/N 115-0171-362 to the CAN connection where the CAN Terminator P/N 063-0172-369 was previously removed from.
 - c. Connect the CAN Terminator P/N 063-1072-369 to the other Tee end of the CAN Tee Cable P/N 115-0171-362 located near the AccuBoom node and secure in place.

6. Connect power and ground.
 - a. Locate the CAN power connector located in the area behind the operator ladder.
 - b. Connect the power connector from the AccuBoom Cable P/N 115-0171-701 to the Terragator CAN power connection.



7. The Terragator With Liquid Bed CAN AccuBoom installation is complete.

SECTION 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 and function of each of the LED lights.

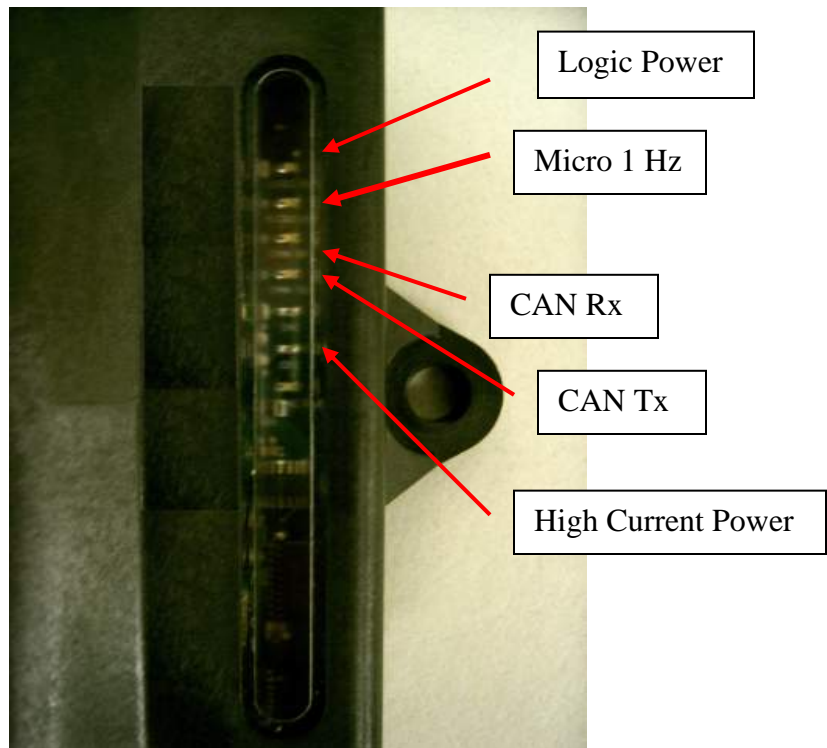
Logic Power: Lit when 12VDC logic power is available at the node.

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.

High Current Power: Lit when High Current Power is applied to the node.



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Limited Warranty

What Does this Warranty Cover?

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

How Long is the Coverage Period?

Raven Applied Technology Division products are covered by this warranty for 12 months after the date of purchase. This warranty coverage applies only to the original owner and is non-transferrable.

How Can I Get Service?

Bring the defective part and proof of purchase to your Raven Dealer. If your Dealer agrees with the warranty claim, the Dealer will send the part and proof of purchase to their distributor or to Raven Industries for final approval.

What Will Raven Industries Do?

Upon confirmation of the warranty claim, Raven Industries will, at our discretion, repair or replace the defective part and pay for return freight.

What is not Covered by this Warranty?

Raven Industries will not assume any expense or liability for repairs made outside our facilities without written consent. Raven Industries is not responsible for damage to any associated equipment or products 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 or organization is authorized to assume any liability for Raven Industries.

Damages caused by normal wear and tear, misuse, abuse, neglect, accident, or improper installation and maintenance are not covered by this warranty.