

CAN Installation Manual

CASEIH SPX3320/4420 Sprayer

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 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

- CAN AccuBoom Control Node – P/N 063-0172-316
- AccuBoom Control Activation Key – P/N 077-0180-010
- CASE3320/4420 CAN AccuBoom Cable – P/N 115-0171-688
- AccuBoom installation Sheet, CASE SPX3320/4420 – P/N 016-0171-084

Notes:

CHAPTER

2

INSTALLATION

Use the following procedure to properly install AccuBoom on a Case SPX 3320/4420 sprayer:

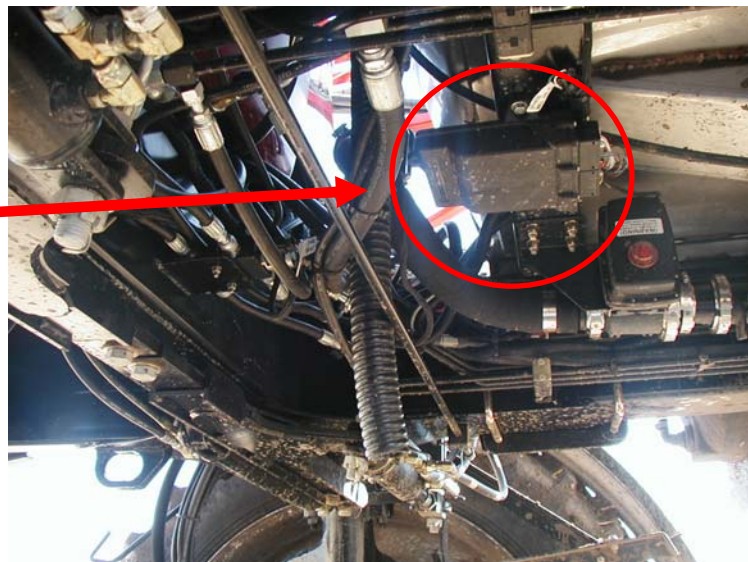
1. Mount CAN AccuBoom Node behind operator cab.
 - a. Locate the CASE boom cable connector. This connector is located directly behind the cab. It will be a 12 pin Deutsch connector.
 - b. Locate the mounting studs located on the cross member below the cab.



Important! Some early serial number machines may not have these mounting studs factory installed. If there are no factory installed mounting studs, you will need to add these studs or a mounting plate to the machine.

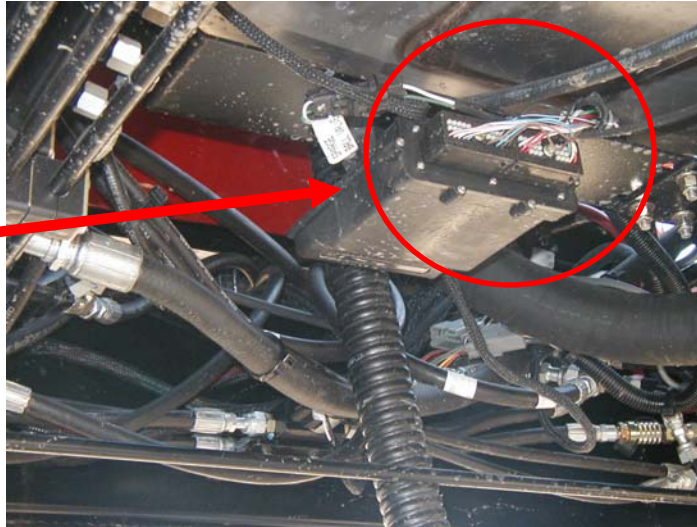
- c. Mount the CAN AccuBoom Node P/N 063-0172-316 on the mounting studs or mounting plate.

**AccuBoom
Node**



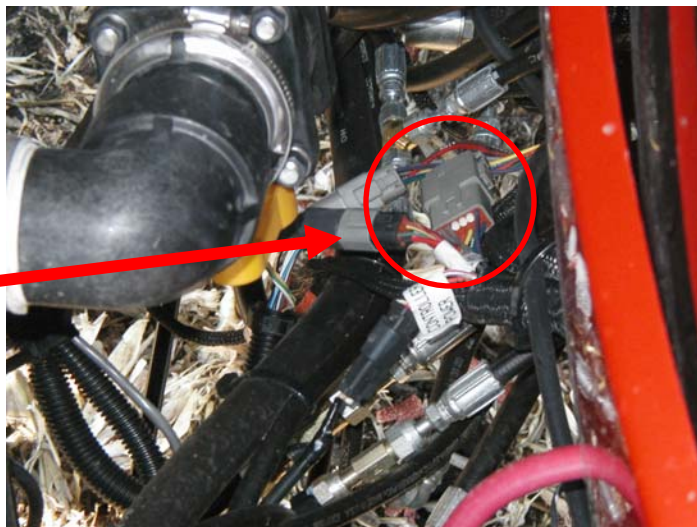
2. Connect the AccuBoom cable to the AccuBoom node.
 - a. Connect the two Cinch rectangular connectors on the AccuBoom Cable P/N 115-0171-688 to the CAN AccuBoom Node P/N 063-0172-316.

**AccuBoom
Harness
Connection**



3. Connect the AccuBoom cable to the sprayer boom harness.
 - a. Unplug the 12 pin Deutsch boom connector located behind the operator cab.
 - b. Plug the AccuBoom Cable P/N 115-0171-688 12 pin Deutsch connector into the corresponding boom connector.

**Boom
Connection**



4. Connect the AccuBoom node to the CAN system.
 - a. Locate the sprayer CAN connector located close to the spray boom connector.
 - b. Remove the CAN terminator from the sprayer CAN connector.
 - c. Connect the AccuBoom cable P/N 115-0171-688 to the CAN connection.
 - d. Connect the previously removed terminator into the other CAN connector on the AccuBoom cable P/N 115-0171-688.



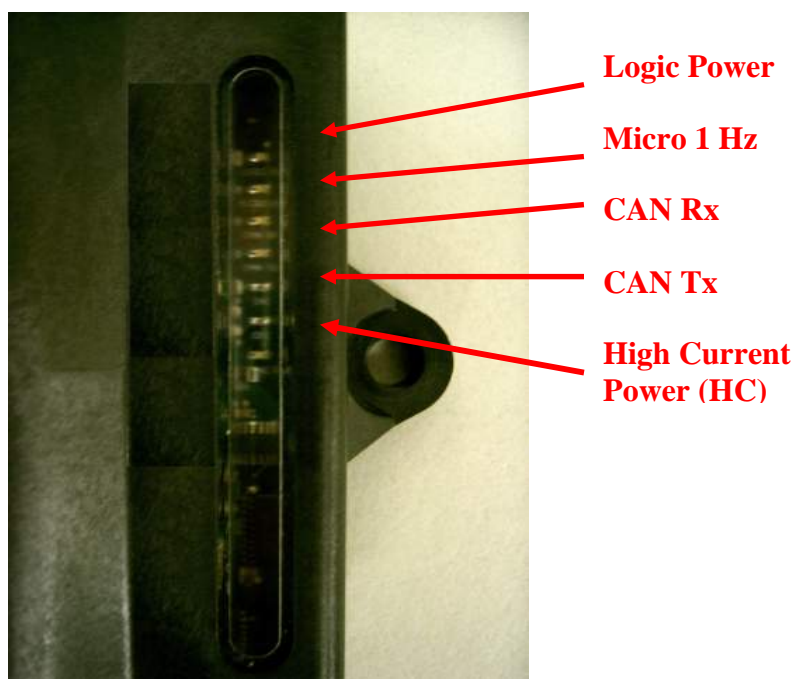
5. Connect power and ground.
 - a. Connect the red power wire from the AccuBoom cable P/N 115-0171-688 to a source of switched power.
 - b. Connect the white ground wire from the AccuBoom cable P/N 115-0171-688 to battery ground.
6. The SPX3320/4420 CAN AccuBoom installation is complete.

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 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.

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 transferable.

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, misuse, abuse, neglect, accident, or improper installation and maintenance are not covered by this warranty.

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