

# CaseIH 4260 (2001 & Newer) with Surveyor Cab AccuBoom Installation Manual

*Manual No. 016-1001-047 Rev D. 4/17*

*E29484*

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# CHAPTER

# 1

# IMPORTANT SAFETY INFORMATION

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## IMPORTANT SAFETY INFORMATION

### **NOTICE**

Read this manual and the operation and safety instructions included with your implement and/or controller carefully before installing the AccuBoom™ system.

- Follow all safety information presented within this manual.
- If you require assistance with any portion of the installation or service of your Raven equipment, contact your local Raven dealer for support.
- Follow all safety labels affixed to the AccuBoom system components. Be sure to keep safety labels in good condition and replace any missing or damaged labels. To obtain replacements for missing or damaged safety labels, contact your local Raven dealer.

When operating the machine after installing AccuBoom, observe the following safety measures:

- Be alert and aware of surroundings.
- Do not operate AccuBoom or any agricultural equipment while under the influence of alcohol or an illegal substance.
- Remain in the operator's position at all times when AccuBoom is enabled.
- Disable AccuBoom when exiting the operator's seat and machine.
- Do not drive the machine with AccuBoom enabled on any public road.
- Determine and remain a safe working distance from other individuals. The operator is responsible for disabling AccuBoom when the safe working distance has diminished.
- Ensure AccuBoom is disabled prior to starting maintenance on AccuBoom or the machine.

### **CAUTION**

- To prevent electrical shock, disconnect the machine's battery connections before installing AccuBoom.
- Always verify that the power leads are connected to the correct polarity as marked. Reversing the power leads could cause severe damage to the equipment.
- Ensure that the power cable is the last cable to be connected.



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# CHAPTER

# INTRODUCTION

## 2

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### INTRODUCTION

Congratulations on your purchase of the Raven AccuBoom system! This system was designed to provide accurate and cost-efficient application by avoiding no-spray zones and eliminating wasteful overlaps.

This manual applies to the following machines. For future reference, write the serial number of the machine in the space below.

MAKE: CaseIH  
MODEL: 4260 with Surveyor Cab  
YEAR: 2001 & Newer  
SERIAL NUMBER:

### RECOMMENDATIONS

Raven Industries recommends the following best practices when installing the AccuBoom system:

- Use part numbers to identify parts.
- Do not remove the plastic wrap from a part until it is necessary for installation.
- Use recommended cable practices:
  - Locate available switched and battery power sources before installation.
  - Map out the best available cable route before installation.
  - Ensure cables are able to rest in a relaxed state and are not pinched, kinked, or stretched.
  - Route cables away from moving parts and excessive heat sources.

### TOOLS NEEDED

The following tools are recommended for installation of the AccuBoom system:

- SAE standard-sized wrenches
- Cable ties
- Set of tools

### PREPARING FOR INSTALLATION

Before installing AccuBoom, park the machine on a clean, level, and dry surface. Leave the machine turned off for the duration of the installation process.

During the installation process, follow good safety practices. Be sure to carefully read the instructions in this manual as you complete the installation process.

POINT OF REFERENCE

The instructions in this manual assume that you are standing behind the machine, looking toward the cab.

ACCUBOOM KIT CONTENTS

This section contains a list of the components that are included in the AccuBoom kit. Before beginning the AccuBoom installation, compare the items in the AccuBoom kit with the components on this list. If you have questions about the kit, contact your local Raven dealer.

**IMPORTANT:** In addition to the following kit components, an AccuBoom CAN node (P/N 063-0172-316) is required for the operation of the AccuBoom system. Also, if a CAN system is not currently installed on the machine, a CAN terminator/power tee kit (P/N 117-0159-923) is required.

TABLE 1. AccuBoom Installation Kit without AIM Command (P/N 117-1004-047)



Picture	Item Description	Part Number	Qty.
Not Pictured	Manual - CaseIH CAN AccuBoom Installation	016-1001-047	1
	Cable - 6' CAN Bus with Tee	115-0171-326	1
	Cable - CaseIH 4260 (Model Year 2001+) Surveyor Cab CAN AccuBoom	115-1001-016	1

TABLE 2. AccuBoom Installation Kit with AIM Command (P/N 117-1004-069)




Picture	Item Description	Part Number	Qty.
Not Pictured	Manual - CaseIH CAN AccuBoom Installation	016-1001-047	1
	Cable - 6' CAN Bus with Tee	115-0171-326	1



TABLE 2. AccuBoom Installation Kit with AIM Command (P/N 117-1004-069)

Picture	Item Description	Part Number	Qty.
	Cable - CaseIH 4260 (Model Year 2001+) Surveyor Cab CAN AccuBoom	115-1001-016	1
	Cable - 6' CaseIH SPX 4260 AIM AccuBoom Extension	115-1001-043	1



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These instructions are designed to assist in the installation of the AccuBoom system on the CaseIH 4260 (2001 and newer) with the surveyor cab running with 4X00 series consoles or Viper Pro, with or without AIM command. Refer to the Installation & Operation manual for the specific field computer or console being used for instructions on setting up the software and using the AccuBoom system.

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### INSTALL THE ACCUBOOM NODE

FIGURE 1. AccuBoom Node Installed



1. Locate the factory-installed studs mounted inside the right frame rail, ahead of the cross-member under the cab.
2. Mount the AccuBoom node (P/N 063-0172-316) to the studs.

## INSTALL THE ACCUBOOM HARNESS CABLE

FIGURE 2. AccuBoom Harness Cable Installed



1. Locate the bulkhead panel outside the right-rear corner of the cab.
2. Disconnect the installed cable from connection 5.
3. Install the TO HARNESS connector of the AccuBoom harness cable (P/N 115-1001-016) on the cable that was disconnected in step 2.
4. Install the TO BLKHD 5 connector of the AccuBoom harness cable to the machine's bulkhead 5 connection.
5. Connect the large, rectangular node connectors of the AccuBoom harness cable into the correct ports of the AccuBoom node (P/N 063-0172-316).
6. Tighten the bolts on the node connectors to secure the connections.

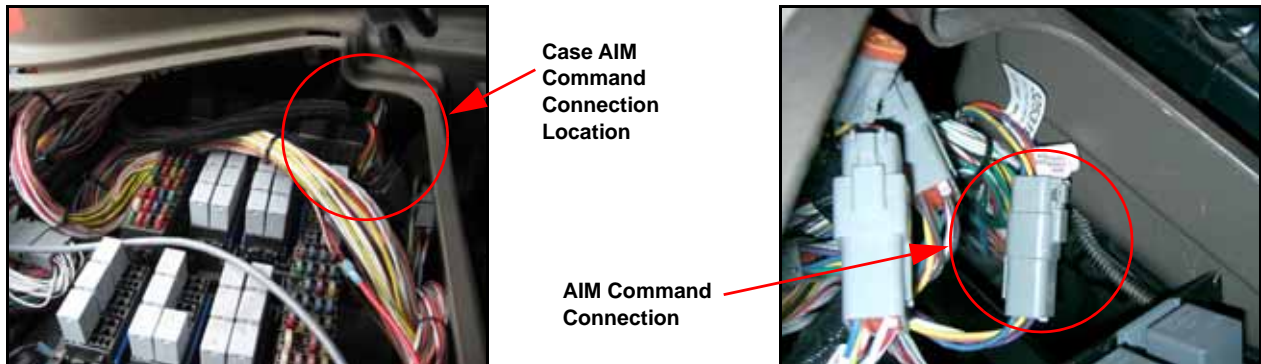
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## CONNECT THE HARNESS CABLE TO THE CAN CABLE

1. Install the 6' CAN bus with tee cable (P/N 115-0171-326) on the CAN power cable (P/N 115-0171-368) or existing CAN connection.
2. Connect the CAN cable to the TO CAN BUS connection of the AccuBoom harness cable (P/N 115-1001-016).
3. Install the CAN terminator (P/N 063-0171-369) on the remaining connection of the CAN cable.

## CONNECT THE AIM COMMAND CONNECTION (IF APPLICABLE)

FIGURE 3. AIM Command Connections



1. Connect the 6' CaselH SPX 4260 AIM AccuBoom extension cable (P/N 115-1001-043) to the AIM connection of the AccuBoom harness cable (P/N 115-1001-016).
2. Route the AIM extension cable into the compartment to the right of the operator's seat.
3. Locate and disconnect the Case AIM command system connection in the fuse panel in the compartment.

**NOTE:** Loosen the fuse panel clamps and slide the fuse panel forward for easier access to the Case AIM command system connection.

4. Connect the remaining end of the AIM extension cable to the corresponding Case AIM command system connector.
5. Reinstall the fuse panel in the compartment.

## INSTALL THE POWER AND GROUND CONNECTIONS

1. Connect the large power wire containing the ring terminal to the positive remote battery terminal located near the bulkhead connectors.
2. Connect the large wire with the ring terminal to the negative remote battery terminal located near the bulkhead connectors.
3. Connect the small power and neutral wires to a source of switched power.



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This section contains section mapping settings that are used to program the AccuBoom controller. Refer to the Installation & Operation Manual and the appropriate section in this chapter for the specific field computer being used for programming instructions and section mapping settings.

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ENVIZIO PRO

5 Section Liquid	
Boom	Section Label
1	1
2	2
3	3
4	4
5	5
6	6

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VIPER PRO

5 Section Liquid		
Boom	Wired As	Display As
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6



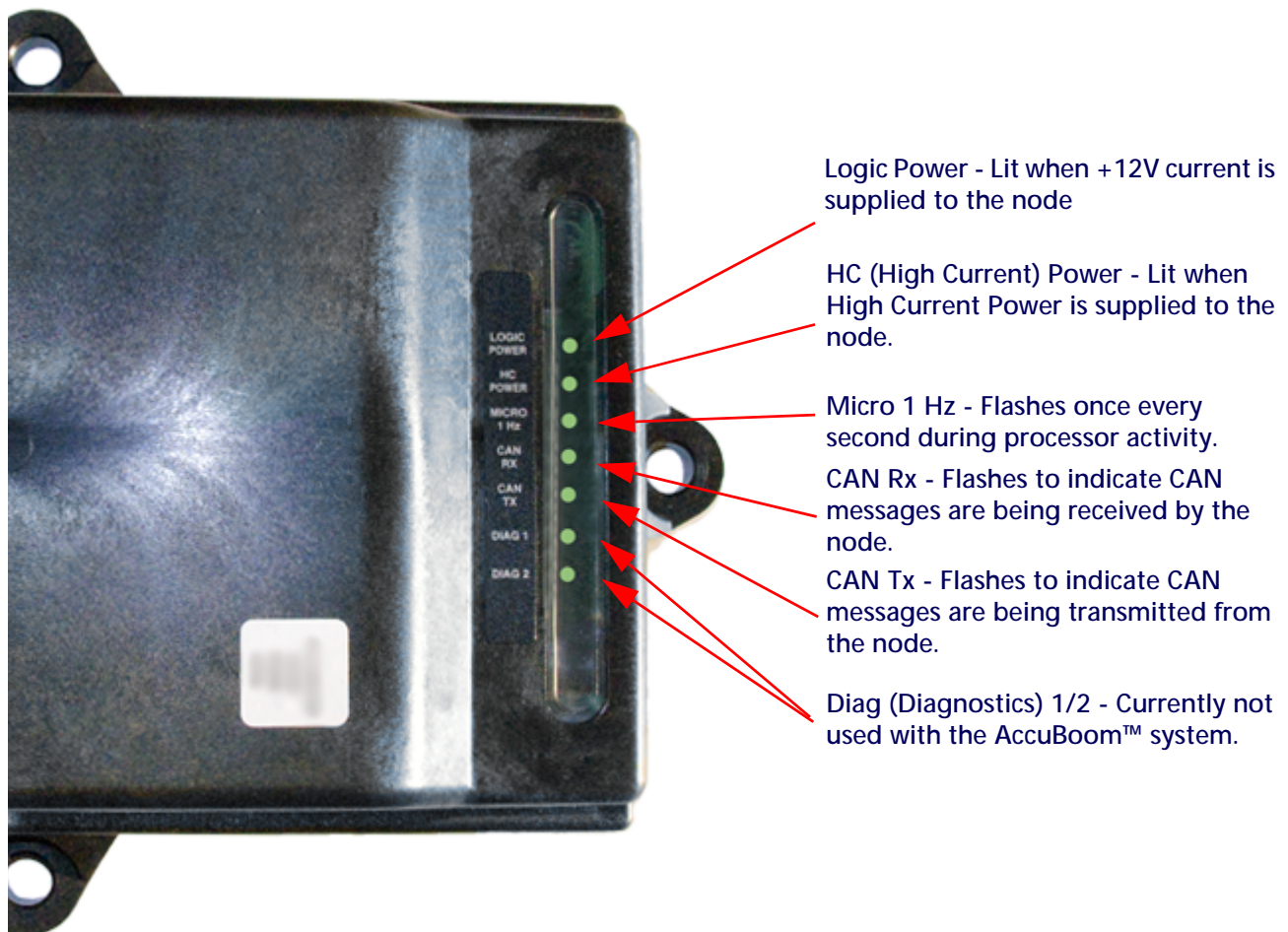


The AccuBoom CAN control node (P/N 063-0172-316) features several green light-emitting diodes (LEDs) which may be used to diagnose issues within the AccuBoom system.

**NOTE:** If the LEDs are not displayed as outlined in the figure below, check the CAN connections and the control cable connections on the node. If the issue persists, contact your local Raven dealer for additional technical support.

**NOTE:** All boom switches must remain in the On position while AccuBoom control is in operation.

FIGURE 1. AccuBoom CAN Control Node LEDs





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# RAVEN

## Limited Warranty

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### ***What Does this Warranty Cover?***

This warranty covers all defects in workmanship or materials in your Raven Applied Technology Division product under normal use, maintenance, and service when used for intended purpose.

### ***How Long is the Coverage Period?***

Raven Applied Technology products are covered by this warranty for 12 months from the date of retail sale. In no case will the Limited Warranty period exceed 24 months from the date the product was issued by Raven Industries Applied Technology Division. This warranty coverage applies only to the original owner and is non-transferable.

### ***How Can I Get Service?***

Bring the defective part and proof of purchase to your Raven dealer. If the dealer approves the warranty claim, the dealer will process the claim and send it to Raven Industries for final approval. The freight cost to Raven Industries will be the customer's responsibility. The Return Materials Authorization (RMA) number must appear on the box and all documentation (including proof of purchase) must be included inside the box to be sent to Raven Industries.

### ***What Will Raven Industries Do?***

Upon confirmation of the warranty claim, Raven Industries will (at our discretion) repair or replace the defective product and pay for the standard return freight, regardless of the inbound shipping method. Expedited freight is available at the customer's expense.

### ***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, labor, or other 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.**



## Extended Warranty

### ***What Does this Warranty Cover?***

This warranty covers all defects in workmanship or materials in your Raven Applied Technology Division product under normal use, maintenance, and service when used for intended purpose.

### ***Do I Need to Register My Product to Qualify for the Extended Warranty?***

Yes. Products/systems must be registered within 30 days of retail sale to receive coverage under the Extended Warranty. If the component does not have a serial tag, the kit it came in must be registered instead.

### ***Where Can I Register My Product for the Extended Warranty?***

To register, go online to [www.ravenhelp.com](http://www.ravenhelp.com) and select Product Registration.

### ***How Long is the Extended Warranty Coverage Period?***

Raven Applied Technology products that have been registered online are covered for an additional 12 months beyond the Limited Warranty for a total coverage period of 24 months from the date of retail sale. In no case will the Extended Warranty period exceed 36 months from the date the product was issued by Raven Industries Applied Technology Division. This Extended Warranty coverage applies only to the original owner and is non-transferable.

### ***How Can I Get Service?***

Bring the defective part and proof of purchase to your Raven dealer. If the dealer approves the warranty claim, the dealer will process the claim and send it to Raven Industries for final approval. The freight cost to Raven Industries will be the customer's responsibility. The Return Materials Authorization (RMA) number must appear on the box and all documentation (including proof of purchase) must be included inside the box to be sent to Raven Industries. In addition, the words "Extended Warranty" must appear on the box and all documentation if the failure is between 12 and 24 months from the retail sale.

### ***What Will Raven Industries Do?***

Upon confirmation of the product's registration for the Extended Warranty and the claim itself, Raven Industries will (at our discretion) repair or replace the defective product and pay for the standard return freight, regardless of the inbound shipping method. Expedited freight is available at the customer's expense.

### ***What is Not Covered by the Extended 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, labor, or other damages. Cables, hoses, software enhancements, and remanufactured items are not covered by this Extended Warranty. 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.**