

Case IH FLX 10 Series Installation Manual

P/N 016-1001-049 Rev A 09/15

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 Installation and Operation Manual of your particular console for instructions on setting up the software and using the AccuBoom system.

Basic Kit Contents

- ◆ AccuBoom CAN Node
- ◆ Machine Specific Console Cable (115-1001-018)
- ◆ CAN Tee Cable: 12' long (115-0171-362)
- ◆ CAN Tee Cable: 6' long (115-0171-753) (2)
- ◆ Install Manual



Important! All boom switches must be in the ON position while AccuBoom control is in operation!



Important! Boom configuration must be set up in Envizio Plus/Pro or Viper/Viper Pro so that
 Boom 1 = Left Fence Row
 Boom 2 = Boom 1
 Boom 3 = Boom 2, etc.
 Boom 1 (left fence row) normally gets a 0" or 1" value and uncheck Boom 1 from Accuboom operation.

Notes:

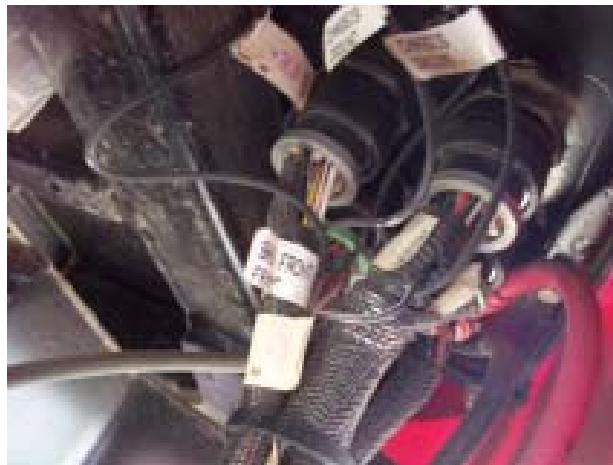
CHAPTER

2

INSTALLATION

Use the following procedure to properly install the CAN AccuBoom system.

1. Locate Bulhead 5 Connector beneath cab.



**Bulkhead panel and power/
ground studs beneath cab**

2. Disconnect Bulhead 5 Connector and tee in Accuboom harness.
3. Locate power and ground studs near bulkhead connectors. Connect Red/White wires with ring terminals on Accuboom harness to power/ground studs.

4. Locate Acc Power connector beneath cab. Remove cap and connect Accuboom Harness (switched power).



5. Drill 2 holes in enclosure lid underneath catwalk on the right side of the cab to mount the CAN Node.



Mount CAN Node to enclosure lid.

6. Connect the Accuboom harness to the CAN Node. Connect the 12' CAN Tee (115-0171-362) to the Accuboom harness and connect the terminator (063-0172-369) to the CAN Tee. Route the CAN Tee harness through the floorboard into the cab.



Connect harness to CAN Node

7. Locate the A-Post panel in the cab. Remove the 4 screws and locate the CAN Bus Terminator behind the plate.



8. Remove the Terminator and route the CAN Tee harness (115-0171-753) to the CAN Connector and connect. Replace the A-Post panel.

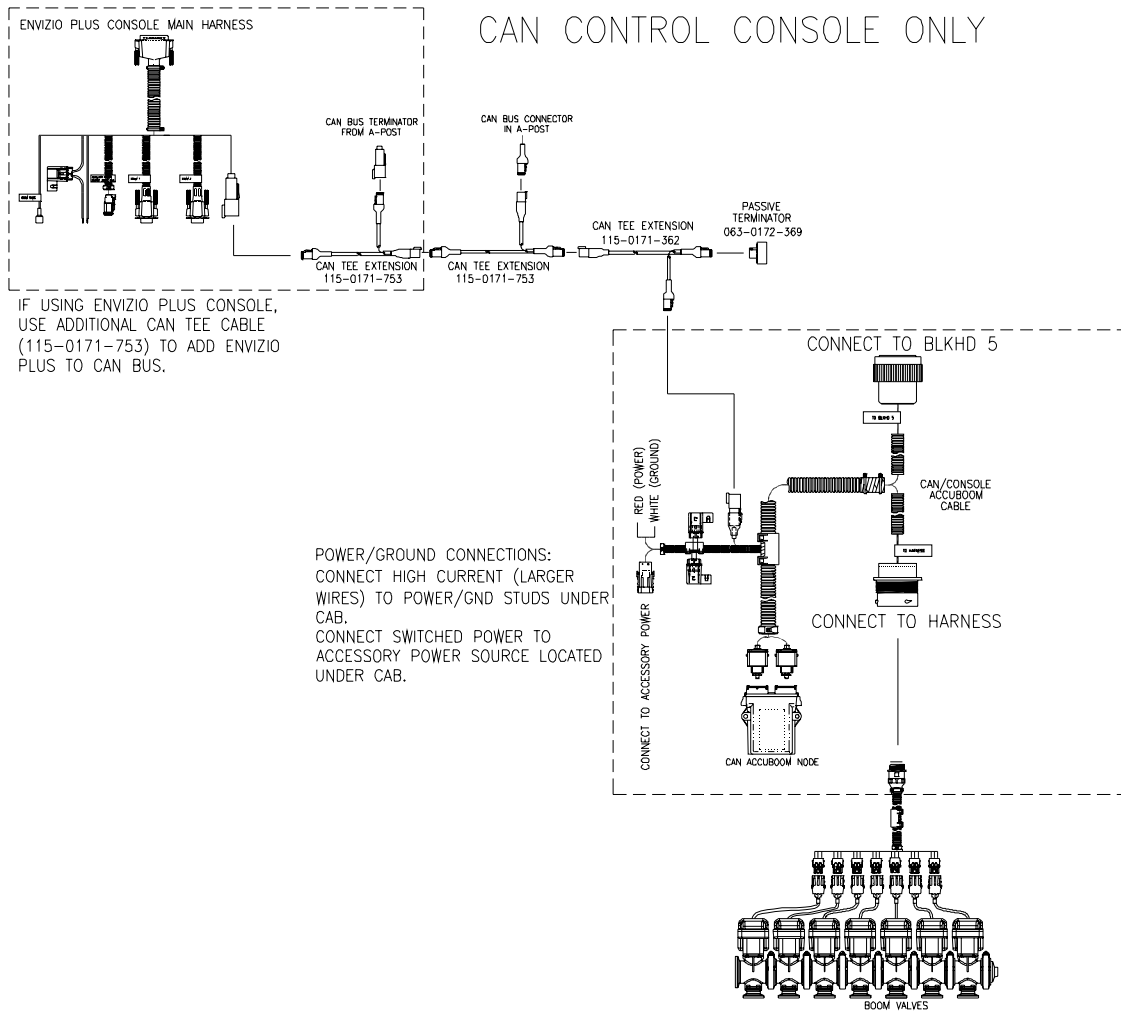


9. Connect the CAN Tee cable (115-0171-753) to the CAN Tee cable routed into the cab (115-0171-362) from the CAN Node. Connect the CAN Terminator from the A-Post to the CAN Tee cable (115-0171-753).

NOTE: If you are using an Envizio Plus, you will need to use the additional CAN Tee cable (115-0171-753) and connect the Envizio Plus to the CAN Bus. Connect the CAN Terminator from the A-Post to the CAN Tee cable (115-0171-753).

10. Installation is now complete.

CASEIH FLX 10 SERIES FLOATER ACCUBOOM INSTALL SCHEMATIC CAN CONTROL CONSOLE ONLY

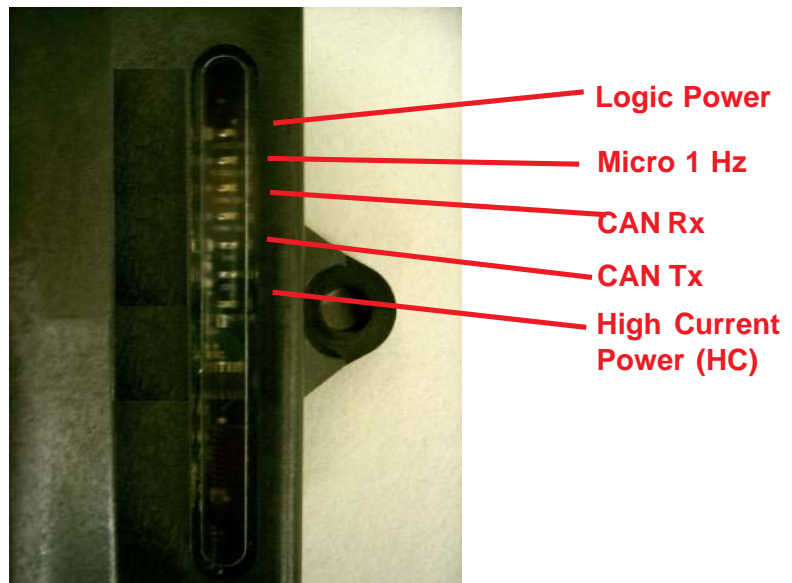


CHAPTER

3

DIAGNOSTICS

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.

Notes:



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