



Parallel Installation Manual

Hagie Sprayers with 4600 Console

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
- Hagie with 4600 Console Series AccuBoom Cable - P/N 115-0171-630
- AccuBoom Control Activation Key - P/N 077-0180-010

Notes:

CHAPTER

2

INSTALLATION

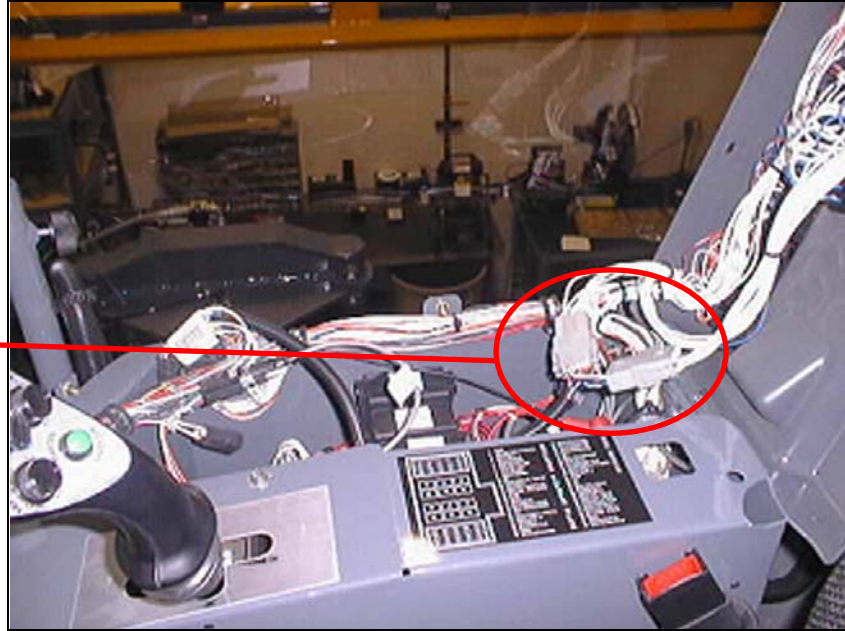
Use the following procedure to properly install the AccuBoom system on a Hagie sprayer using a 4600 Raven console connected to a Raven Viper:

1. Tee in the Parallel AccuBoom cable (P/N 115-0171-630):
 - a. Disconnect the existing cable from the back of the 4600 console connector.
 - b. Connect the Parallel AccuBoom cable (P/N 115-0171-630) to the console connector.
 - c. Connect the other end of the previously disconnected cable to the Parallel AccuBoom cable (P/N 115-0171-630).



2. Connect the Parallel AccuBoom Cable (P/N 115-0171-630) to the control switch harness:
 - a. Remove the two knobs securing the Hagie control console in place and swing the control console open.

**Boom
Connectors**

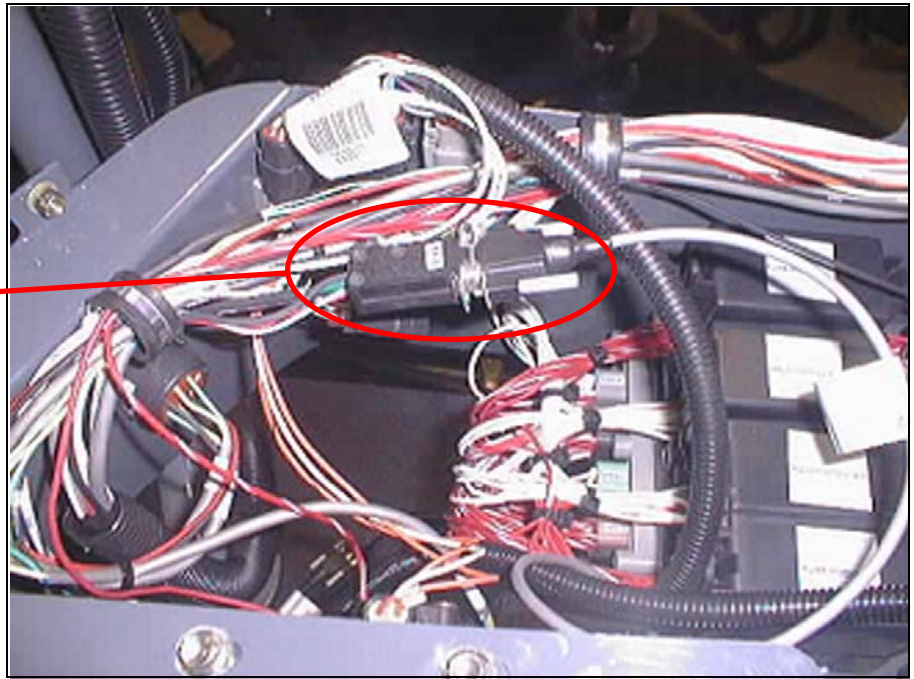


- b. Locate the boom switch interface connectors. These are 12-pin rectangular Deutsche connectors.
 - c. Disconnect the existing connectors.
 - d. Tee in the Parallel AccuBoom cable (P/N 115-0171-630) by plugging in the corresponding 12-pin rectangular connectors.



3. Connect the Parallel AccuBoom Cable (P/N 115-0171-630) to the Viper communication port.

**Comm Port
Connection**



4. Mount the Parallel AccuBoom node (P/N 063-0172-517) in the cab.



5. Connect the corresponding gray and black connectors from the Parallel AccuBoom cable (P/N 115-0171-630) to the Parallel AccuBoom node (P/N 063-0172-517).



6. The Parallel AccuBoom hardware installation is now complete. Install the Activation Key on the Viper system 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