



Parallel Installation Manual

Universal Parallel Cable

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
- Universal Parallel AccuBoom Cable - P/N 115-0171-500
- AccuBoom Control Activation Key - P/N 077-0180-010

Notes:

CHAPTER

2

INSTALLATION

Use the following procedure to properly install the Universal Parallel AccuBoom cable:

1. Disconnect the existing console cable.

Note: The Universal Parallel AccuBoom cable is compatible with the Raven SCS440, SCS450, SCS460, SCS660, and SCS661 consoles only).



2. Connect the AccuBoom cable:
 - a. Connect the Universal Parallel AccuBoom cable (P/N 115-0171-500) to the back of the Raven console.



- b. Connect the other connector on the Universal Parallel AccuBoom cable (P/N 115-0171-500) to the console cable previously disconnected from the console.



3. Route the AccuBoom cable:
 - a. Route the Parallel AccuBoom Universal cable (P/N 115-0171-500) from the console connection to the Viper connection point.

- b. Route the two rectangular Deutsche connectors to a location convenient to mount the AccuBoom node.

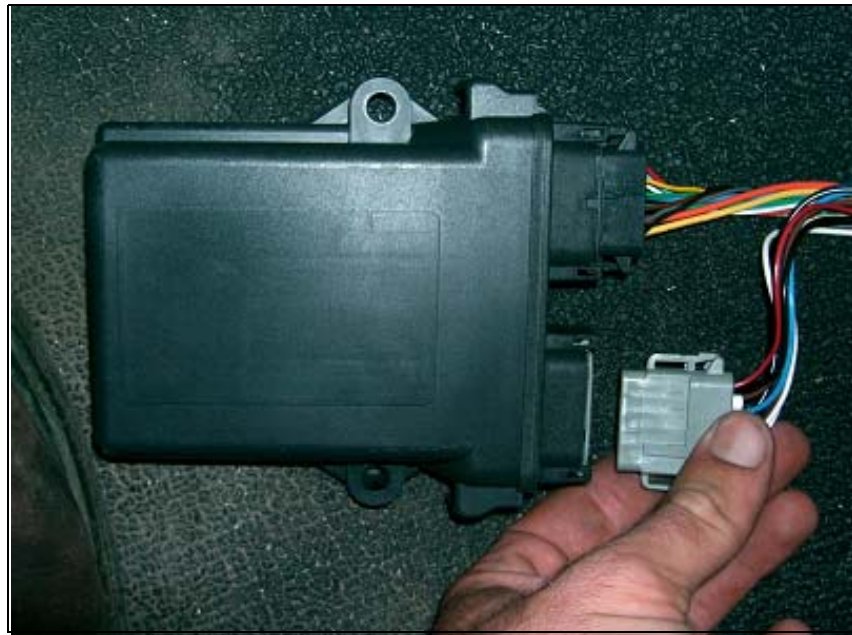


4. Mount the AccuBoom node:
 - a. Identify a location for the Parallel AccuBoom node (P/N 063-0172-517) that will protect it from the elements as much as possible.
 - b. Bolt the Parallel AccuBoom node (P/N 163-0172-517) securely in place.



5. Connect the AccuBoom cable to the AccuBoom node:

- a. Connect the rectangular connectors from the Parallel AccuBoom Universal cable (P/N 115-0171-500) to the CAN AccuBoom node (P/N 063-0172-517).



- 6. Connect the master switch power to the AccuBoom node:
 - a. Connect the red wire to the master power switch.
Note: The combined current of all the boom value control signals will run through this wire. If the master switch can not support sufficient current capabilities, wire in a relay to handle the needed current.
 - b. Connect the 15 pin D-sub connector from the Parallel AccuBoom Universal cable (P/N 115-0171-500) to the mating 15 pin D-sub connector on the Viper cable.



7. The Parallel AccuBoom installation is now complete. Install the Activation Key in the Viper system and program the look-ahead value in the AccuBoom look-ahead setup screen. See the Viper Installation and Operators Manual (P/N 016-0159-894) for more information on setting the look-ahead value.

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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.



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