# **CRX INSTALLATION GUIDE**

This guide provides an overview of CR7 and CR12 field computers connections as well as drawings that illustrate the cab connections for various machine configurations.

### **IMPORTANT SAFETY INFORMATION**

This is a safety-alert symbol. When you see the symbol below on the device, be alert because there is the potential for personal injury.



Follow the recommended precautions and safe operating practices.

# **CR7 CONNECTIONS**

The image below shows the connections on the back of the CR7 that will be used for installation. Please note that, depending on machine configuration, some of these connections may not be used.

FIGURE 1. Back of CR7



#### **CR7 WIRING ILLUSTRATIONS**

The illustrations on the next few pages show CR7 wiring diagrams for various cabling generations with optional accessories and are for reference only.

FIGURE 2. CR7 Basic Installation

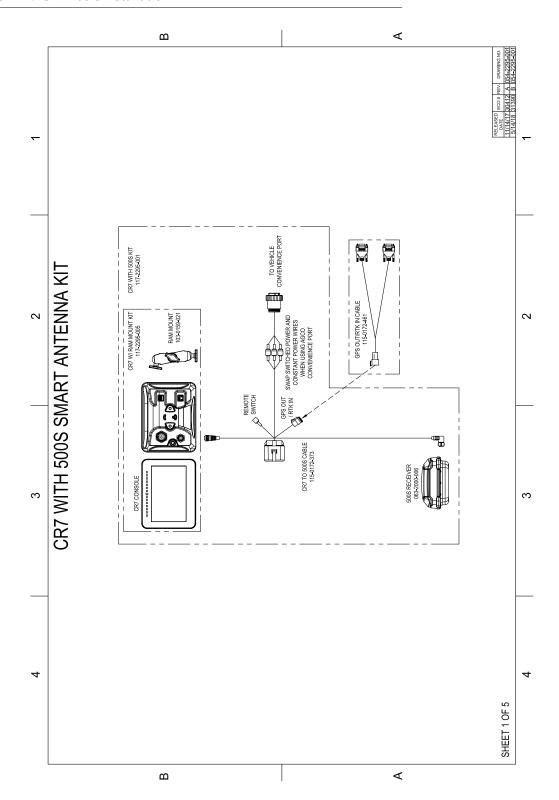
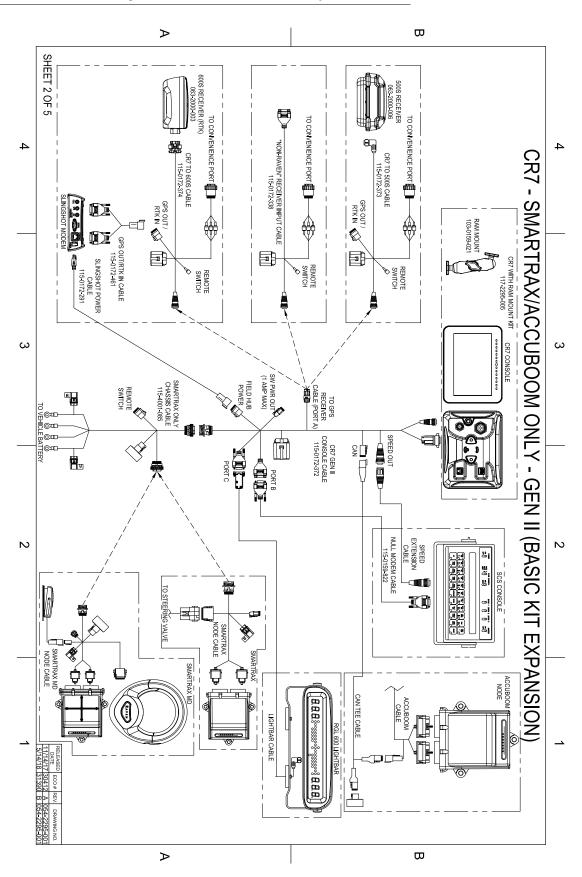


FIGURE 3. Gen II Cabling CR7 SmarTrax/AccuBoom Only



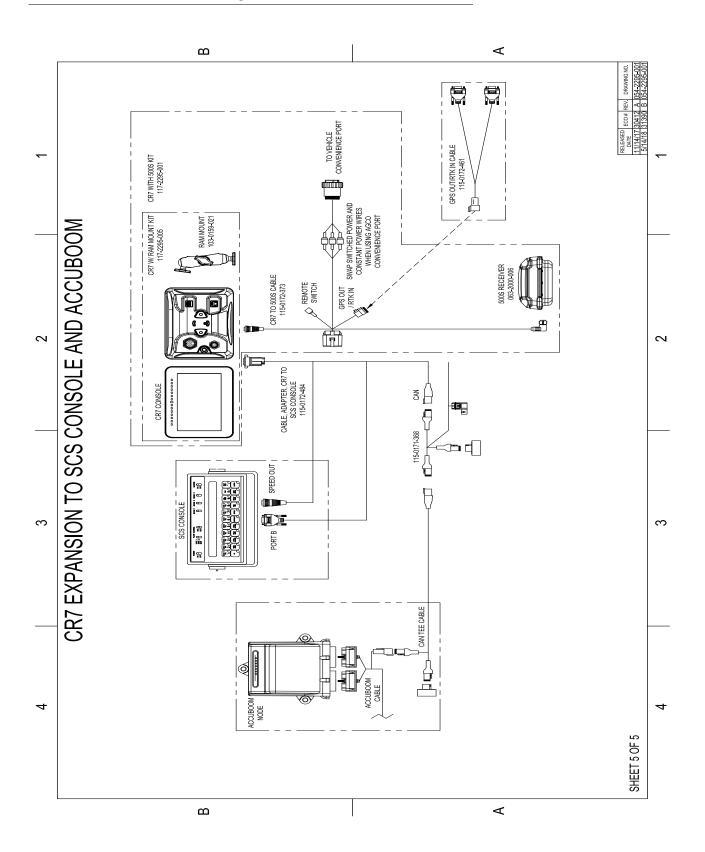
⋖ മ RELEASED ECO# REV. DRAWING NO. 11/14/17 30412 A 054-2295-007 5/14/18 31390 B 054-2295-001 NOTE: IF ADDING PRODUCT CONTROL, ONE OF THE SWITCHING "OPTIONS" (BS OWN/THOR), RSD ROWGRFEEDE COUNTONING") IS NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM, CHOOSE THE OPTION BEST SUITED FOR THE SYSTEM BEING DESIGNED. 600S RECEIVER (RTK) 500S RECEIVER TO CONVENIENCE PORT TO CONVENIENCE PORT TO CONVENIENCE PORT CR7 TO 600S CABLE 115-0172-374 "NON-RAVEN" RECEIVER INPUT CABLE 115-0172-338 GPS OUT/RTK IN CABLE 115-0172-461 CR7 TO 500S CABLE 115-0172-373 IBBC CABLING) (BASIC KIT EXPANSION GPS OUT GPS OUT REMOTE SWITCH SLINGSHOT POWER
CABLE
115-0172-291 REMOTE SWITCH REMOTE SWITCH REFER TO 054-7000-002 FOR IBBC CHASSIS CABLE OPTIONS 2 -[1] SO BOOM/SPEED NODE \*OPTIONAL \*OPTIONAL SPEED NODE CABLE ISO SWITCHBOX ADAPTER CABLE CR7 GEN 3 CONSOLE CABLE WITH RAVEN CAN 115-7300-107 FIELD HUB PORT B TO GPS RECEIVER CABLE (PORT A) SEE NOTE 島 自 身 8 PORTC CAN DIAGNOSTIC PORT TO IMPLEMENT REMOTE SWITCH  $\mathcal{C}$ (GEN က GEN 3 SMARTRAX TEE CABLE CABLE 115-7300-011 m-SMARTRAX REFER TO 054-7000-001 FOR GEN 3 CHASSIS CABLE OPTIONS RAM MOUNT 103-0159-021 TO STEERING VALVE LIGHTBAR CABLE CR7 SMARTRAX NODE CABLE SMARTRAX MD SMARTRAX MD NODE CABLE RGL 600 LIGHTBAR ۲ SMARTRAX 4 Ó SHEET 3 OF 5 魯 息 息 息 ⋖ Ω

FIGURE 4. Full Gen II Cabling CR7 SmarTrax/AccuBoom

FIGURE 5. Gen 3 or IBBC Cabling CR7 SmarTrax/AccuBoom  $\boldsymbol{\varpi}$  $\triangleright$ NOTE: IF ADDING PRODUCT CONTROL, ONE OF THE SWITCHING "OPTIONS" (ISO SWITCHEDS, ISO BOOM/SPEED ECU OR ROOTSWITCH) IS NECESSARY FOR THE REPORTE FUNCTION OF THIS SYSTEM, CHOOSE THE OPTION BEST SUITED FOR THE SYSTEM BEING DESIGNED. SHEET 4 OF 5 88 STEERING VALVE CABLE 115-4010-021 8 4 4 RS1 HDU 063-0173-887 CR7 - RS1/ISO PRODUCT CONTROL 8 SPEED NODE CABLE REFER TO 054-7000-001 FOR GEN 3 CHASSIS CABLE OPTIONS RS1 HDU CABLE 115-4010-009 ISO BOOM/SPEED NODE GEN 3 CHASSIS CABLE ð CR7 CONSOLE ယ ယ TO CR7 GEN 3/ISO CABLE 115-7300-106 FIELD HUE POWER 8 0 유 CAN DIAGNOSTIC PORT REMOTE SWITCH (GEN 3 OR IBBC CABLING) RS1 TEE CABLE 115-4010-004 REFER TO 054-7000-002 FOR IBBC CHASSIS CABLE OPTIONS CR7 W RAM MOUNT KIT 2 ~ IBBC CHASSIS CABLE TO CONVENIENCE PORT RAM MOUNT 103-0159-021 Ø RS1 MDU CABLE 115-4010-008 RS1 063-0173-820 SMARTRAX MD 063-4001-038  $\boldsymbol{\varpi}$  $\triangleright$ 

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FIGURE 6. Gen 3 or IBBC Cabling CR7 SmarTrax ISO Product Control



## **CR12 CONNECTIONS**

The image below shows the connections on the back of the CR12 that will be used for installation. Please note that, depending on machine configuration, some of these connections may not be used.

FIGURE 7. Back of CR12



### **CR12 WIRING ILLUSTRATIONS**

The illustrations on the next few pages show CR12 wiring diagrams for various cabling generations with optional accessories and are for reference only.

#### FIGURE 8. CR12 Basic Installation

