

# RAVEN SC1/TC1 INSTALLATION GUIDE FOR CASE IH STEIGER/NH T9.XXX (MY 16 AND NEWER)

This quick guide provides the instructions for the installation of SC1/TC1 on:

<b>Make</b>	<b>Year and Model</b>	<b>Serial Number</b>
Case IH	2016 and Newer Steering Ready	All
New Holland	2016 and Newer T9.XXX Steering Ready	ZFF403001 & Higher

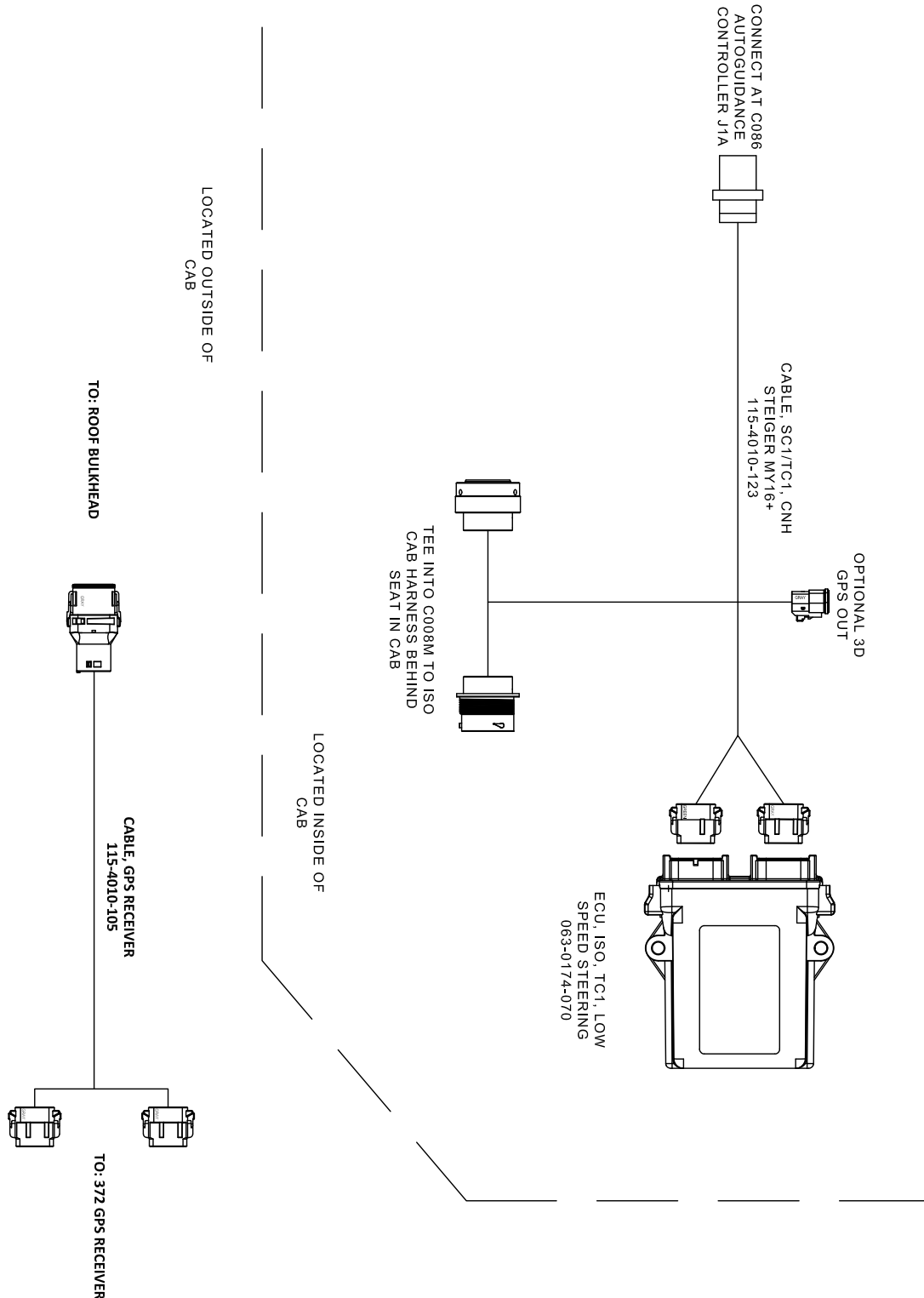
For calibration and operation information, refer to the Operation Manual (P/N 016-4010-005) included with the kit.



# INSTALLATION DIAGRAM

Refer to Figure 1 on page 2 for a basic overview of the installation of the SC1/TC1 system. The sections that follow offer more detailed installation procedures.

**FIGURE 1. SC1/TC1 Cable Diagram for Case IH Steiger (MY 2016+) (P/N 054-5032-169 Rev. B)**



## ISOBUS DISPLAY CONNECTION

1. Connect the 12-pin connector of the ISOBUS display adapter cable (P/N 115-7300-126) to the existing mating connector behind the trim in the rear-right corner post of the cab.

**FIGURE 2. ISObus Display Mating Cable**



2. Locate the Viper 4 cable (P/N 115-7300-126) or the CR7 cable (P/N 115-7300-092).
3. Connect the round 16-pin connector on the Viper 4 ISO cable (P/N 115-7300-135) or the CR7 cable (P/N 115-7300-092) to the mating connector on the 115-7300-126 cable.
4. Follow the directions provided with the Viper 4 or CR7 to install the field computer.
5. Route and connect the Viper 4 adapter cable or CR7 adapter cable onto the mating connectors on the field computer.



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## INSTALL THE SC1/TC1 UNIT

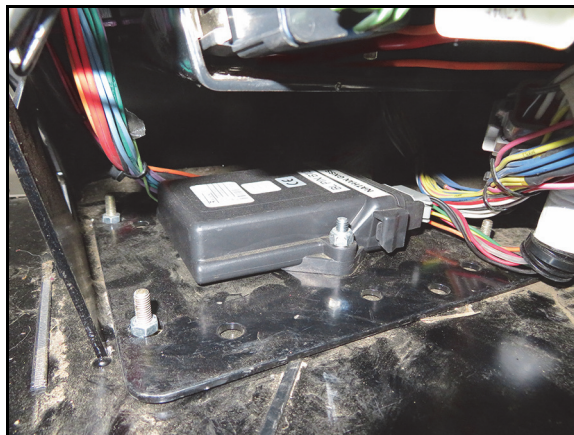
1. Locate the instruction seat in the cab.

**FIGURE 3. Instruction Seat**



2. Remove the instruction seat and compartment wall to access the SC1/TC1 mounting location.
3. Mount the SC1/TC1 node (P/N 063-0174-070) to the mounting studs on the node mounting bracket and secure using the supplied 1/4" - 20 flanged lock nuts (P/N 312-1001-168).
4. Mount the node and bracket assembly to the floor studs and secure to the floor using the supplied M6 x 1.0mm nuts (P/N 312-1001-183).

**FIGURE 4. Node and Bracket Secured to Floor Studs**



5. Route and connect the two rectangular connectors of the cable (P/N 115-4010-123) to the mating ports of the SC1/TC1 node.

## INSTALL THE GPS RECEIVER CABLE

**FIGURE 5. GPS Receiver Adapter Cable Connection**

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1. Locate and remove the existing cabling connecting the GPS receiver and the bulkhead connector to the roof.
2. Connect the two rectangular connectors of the cable (P/N 115-4010-105) to the GPS receiver.
3. Connect the remaining rectangular connector to the roof bulkhead connector.

## MACHINE HARNESS CONNECTIONS

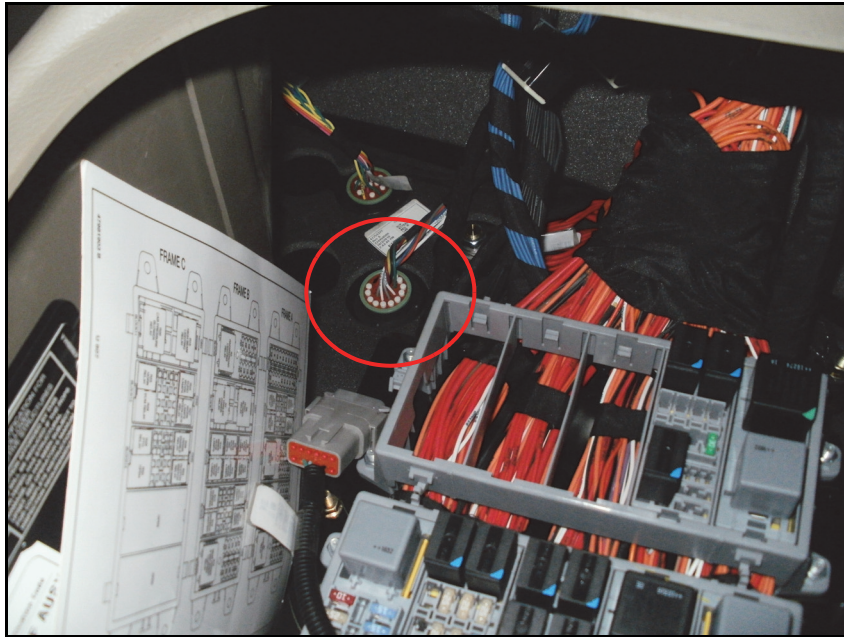
1. Locate the 40-pin Deutsch connectors on the floor inside the instructional seat.
2. Connect the 40-pin Deutsch connector to the mating connector on the SC1/TC1 cable (P/N 115-4010-123).

**FIGURE 6. ECU Harness Connected to Machine Harness**

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**FIGURE 7. Machine Bulkhead Connection**



3. Disconnect the machine bulkhead connector and tee in the mating connectors on the HDU harness (P/N 115-4010-123).

## OPERATION

Refer to the SC1/TC1 Calibration and Operation Manual (P/N 016-4010-005) for instructions on configuring, calibrating, and operating SC1/TC1. Please note the location of the master switch and the resume switch on the machine because they are needed for operation.

**FIGURE 8. Master Switch and Resume Switch**

**Master Switch**



**Resume Switch**

