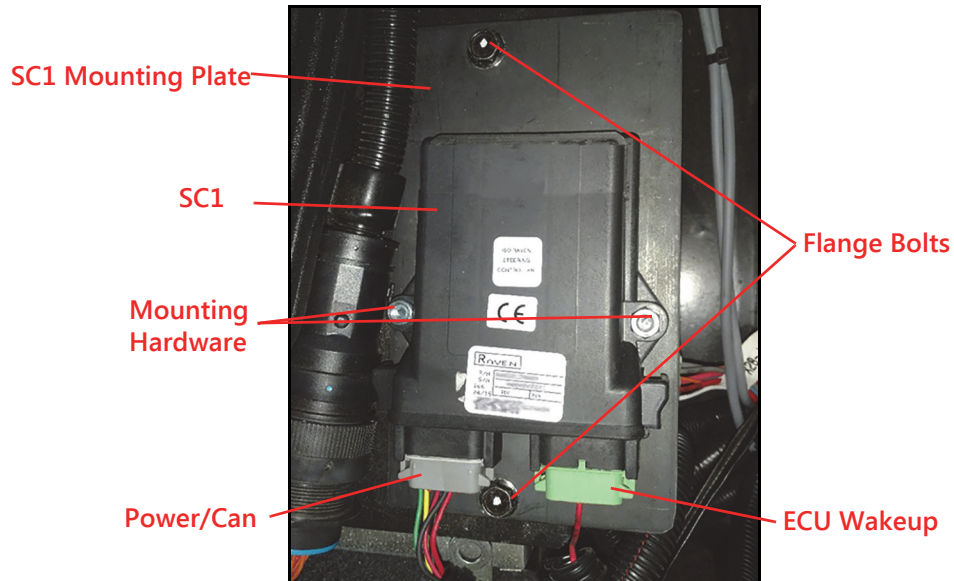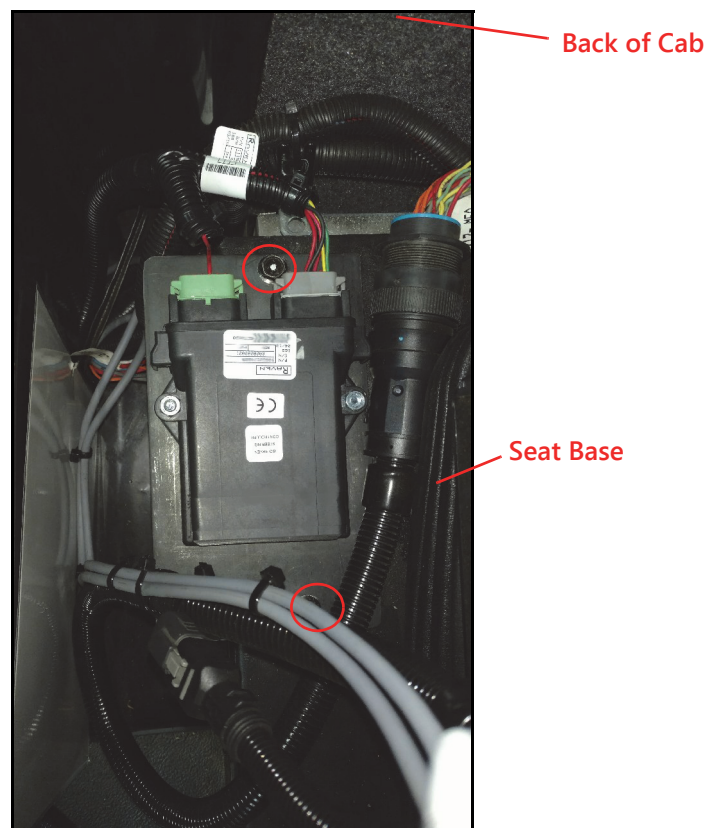# SC1 ROGATOR B SERIES INSTALLATION GUIDE

1. If SmarTrax™ is present on the machine, disconnect the SmarTrax ECU.
2. Install the SC1 (P/N 063-0174-009) on the mounting plate studs so the connectors are facing the short side of the SC1 mounting plate. Secure using the provided 1/4 - 20 nuts.

FIGURE 1. SC1 Mounting

3. Locate the SC1 mounting location on the right side of the seat base.

FIGURE 2. SC1 Mounting Location

4. Remove the two flange bolts on the right side of the seat base.
5. Install the SC1 Bracket using the flange bolts removed in the previous step.
6. On the SC1 cable (P/N 115-4010-089), plug the gray power/can plug into mating receptacle on the SC1.
7. Plug the green ECU wakeup plug into the mating connector on the SC1.
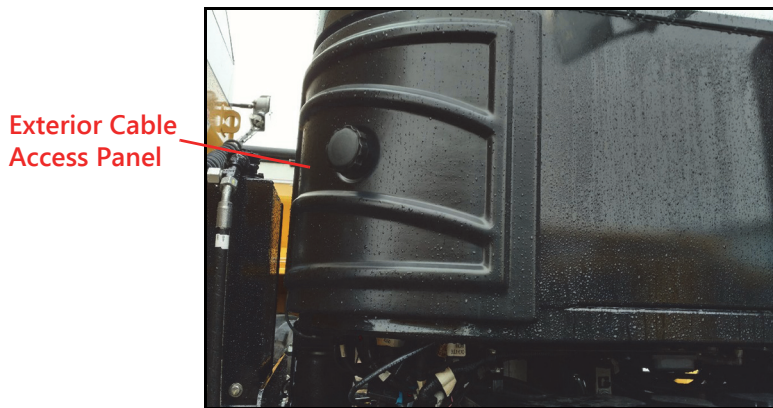8. Remove the top access panel to access the existing machine cabling.

FIGURE 3. Interior Access Panels

Interior Access Panel

9. On the outside of the cab, remove the exterior cable access panel.
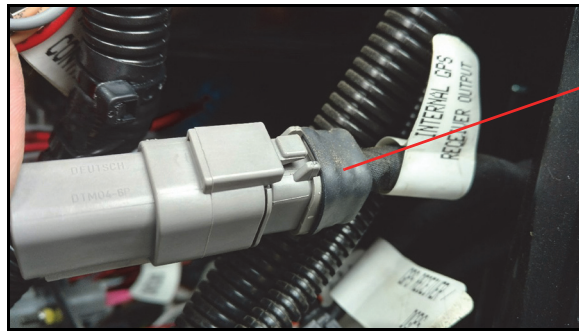
FIGURE 4. Exterior Cable Access Panel

Exterior Cable Access Panel

10. Feed the end of the SC1 cable with the DGPS, Remote Engage and SMARTRAX Bulkhead through the interior access panel and into the Exterior Cable Access Panel.
11. Disconnect the existing INTERNAL GPS RECEIVER OUTPUT connection and plug the DGPS receptacle from the SC1 cable.

NOTE: Depending on the machine's model year, a DB9 converter cable has been included with the cable. If the machine's INTERNAL GPS RECERIVER output connection is not a DB9 connector, discard the DB9 adapter cable, and plug the mating 6-pin connectors together.

FIGURE 5. DGPS Connection
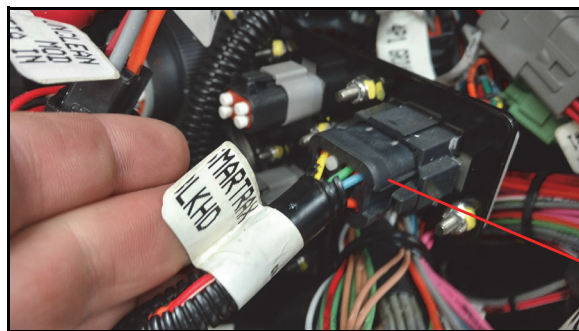

INTERNAL GPS
RECEIVER OUTPUT

12. Disconnect the machine's existing remote engage connection and connect it to the REMOTE ENGAGE MODULE on the SC1 cable.

FIGURE 6. REMOTE ENGAGE MODULE Connection

13. Disconnect the machine's existing SmarTrax bulkhead connection and connect the SMARTRAX BLKHD plug on the SC1 cable.

FIGURE 7. SMARTRAX BLKHD Connection

SMARTRAX
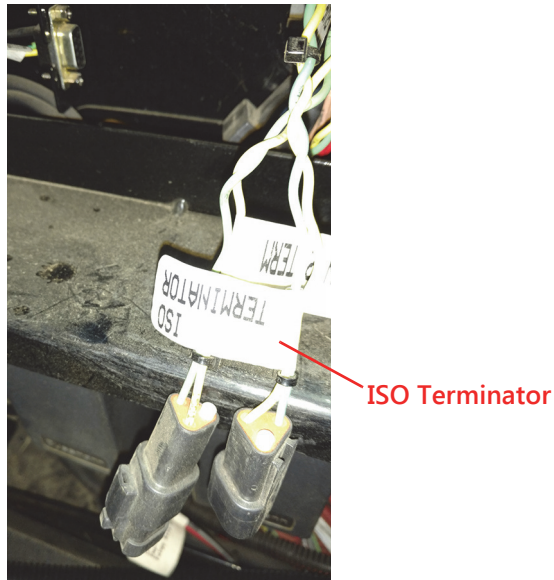BLKHD

14. Neatly secure cabling.

15. Reinstall all access panels.

VIPER 4 AND VIPER 4+ ISO CONNECTION

MODEL YEAR 15 AND OLDER
1. Locate the provided ISObus Tee Cable (P/N 115-0172-247).
2. Locate the ISO terminator cable behind the access panel located in the lower-right side of the cab.
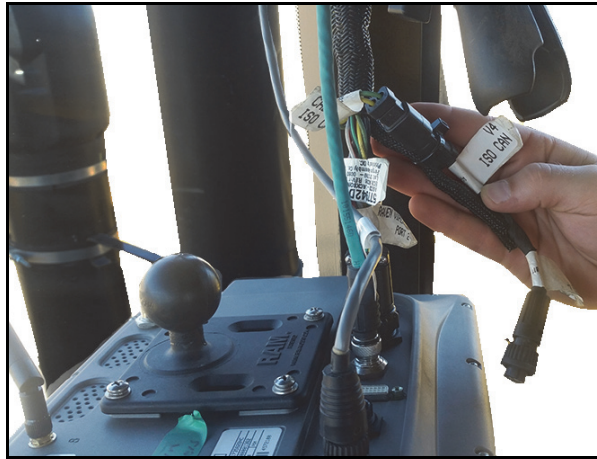
FIGURE 8. ISO Terminator

ISO Terminator

3. Remove the terminator and connect one of the two ends on the tee end of the ISObus Tee Cable (P/N 115-0172-247).
4. Install the terminator plug into the other end of the tee.
5. Install the Viper 4 according to the directions provided with the field computer.
6. Route the ISObus Tee Cable to the back of the Viper 4.
7. Connect the ISObus Tee cable to the appropriate ports on the back of the field computer.

MODEL YEAR 16 AND NEWER
1. Locate the ISO harness at the back of the Viper 4.

FIGURE 9. ISO Harness

2. Plug the round ISO connector into the back of the Viper 4.

FIGURE 10. Connection on Back of Viper 4

3. Ensure the two 2-pin Deutsch ISO CAN connectors on the Viper 4 ISO CAN harness are connected to each other and are not plugged into dust caps.

FIGURE 11. 2-Pin Deustch Connectors

SYSTEM DIAGRAM

V4— SC1 Rogator B Series Installation

VIPER 4

115-0172-247 - ISO Adapter Cable
To
MACHINE'S ISO CABLING (MY 15)

-OR-

ISO Cabling Already Present at V4 (My16 and Newer)

ECU, ISO RAVEN SC1,
AGCO
063-0174-009

SC1

To:
SmarTrax
Bulkhead

STRAX Bulkhead

115-4010-089

DGPS

TO:
X5088
INTERNAL
GPS REC
OUTPUT

Remote
Engage
Module

To: AG
REMOTE
ENABLE
MOD