# SC1 ROGATOR C SERIES INSTALLATION GUIDE

If converting a machine to SC1 guidance that has a GPS source other than the internal V4, check your software with AGCO EDT. The software version must meet or exceed below versions:

TABLE 1. Software Versions

| Controller | Software Version Needed |
|---|---|
| AccuTerminal | AGCO_RG3_02.26.00 |
| Central Electronic Unit | V_ZEKRG3_00.02.23 |
| System Controller (EXT) | AGCO_ROGATOR_01.01.03 |
| VD03 | V_VD0X_V3_115 |
| LCP | V_EBT_AGC_V0_60 |
| MFA | 2.76 |

1. 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
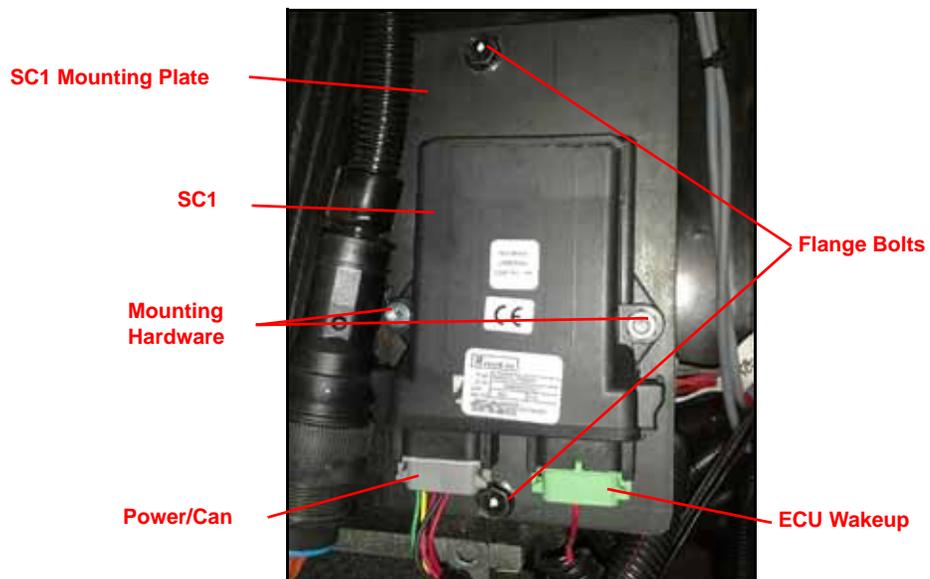
2. Locate the SC1 mounting location on the right side of the seat base.

FIGURE 2.  SC1 Mounting Location



Back of Cab

Seat Base

3. Remove the two flange bolts on the right side of the seat base.
4. On the SC1 cable (P/N 115-0172-512), plug the gray power/can plug into mating receptacle on the SC1.
5. Plug the green ECU wakeup plug into the mating connector on the SC1.
6. Remove the side access panel and the top access panel to access the existing machine cabling.

FIGURE 3.  Access Panels

Side Access Panels (X5088 INTERNAL GPS OUT and SmarTrax Bulkhead Located Here)



Top Access Panel (X60-AG REMOTE ENABLE Located Here)
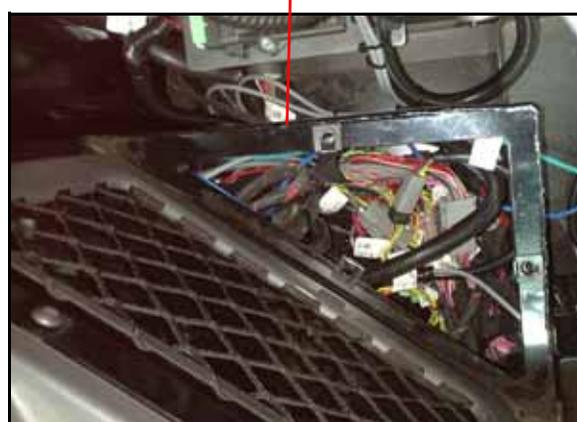
7. Route the GPS REC OUT, the 8-pin Power Connector, and the REMOTE ENGAGE MODULE receptacle ends of the SC1 cable (P/N 115-0172-512) through the side access panels towards the front of the cab.

8. Connect the REMOTE ENGAGE MODULE receptacle of the SC1 cable (P/N 115-0172-512) to the machine's existing X60- AG REMOTE ENABLE MOD plug.

FIGURE 4.  Remote Engage Connection
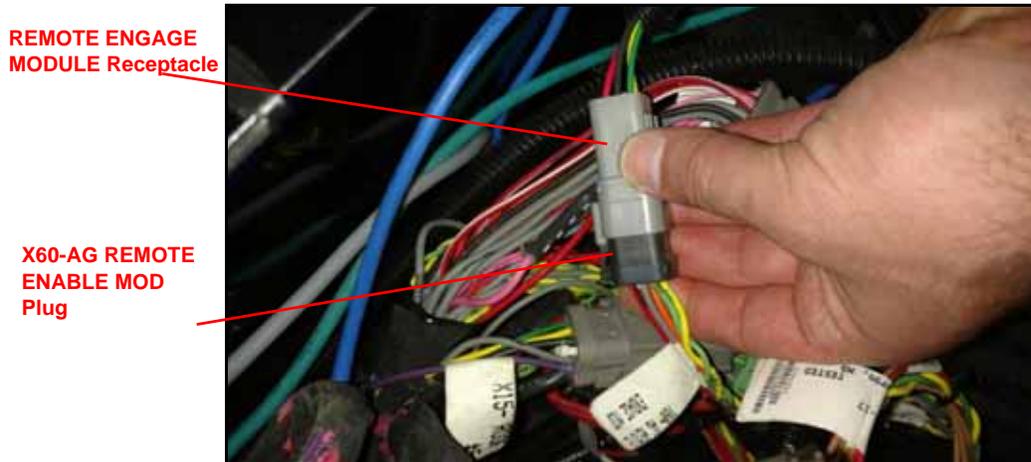


9. Plug the 8-pin power connector on the SC1 cable to the machine's X68-SMARTRAX receptacle.

FIGURE 5.  X68 SmarTrax Cable Connection

NOTE: If converting a machine to SC1 guidance that has a GPS source other than the internal V4, then -C1 RS232 will connect to GPS REC OUT on the SC1 cable. Otherwise, proceed to step 10.

FIGURE 6. GPS REC OUT Connected



10. Connect the GPS REC OUT receptacle on the SC1 cable (P/N 115-0172-512) to the machine's existing X5088 INTERNAL GPS REC OUT plug.

FIGURE 7. GPS Connection



11. Replace the side and top access panels.

## VIPER 4 AND VIPER 4+ ISO CONNECTION.

1. Locate the ISO harness at the back of the Viper 4.

FIGURE 8.  ISO Harness



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

FIGURE 9.  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 10.  2-Pin Deustch Connectors

# Rogator C Series SC1 System Diagram

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

115-0172-512

ECU
Wakeup

GPS REC OUT

TO:
X5088
INTERNAL
GPS
REC
OUT

CAN/POWER

PWR/GND

REMOTE ENGAGE MODULE

TO:
X68- SmarTrax

To:
X60-
AG
REMOTE
ENABLE
MOD