

BOURGault

X30 Apollo | System



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 **TOPCON**
Precision Agriculture

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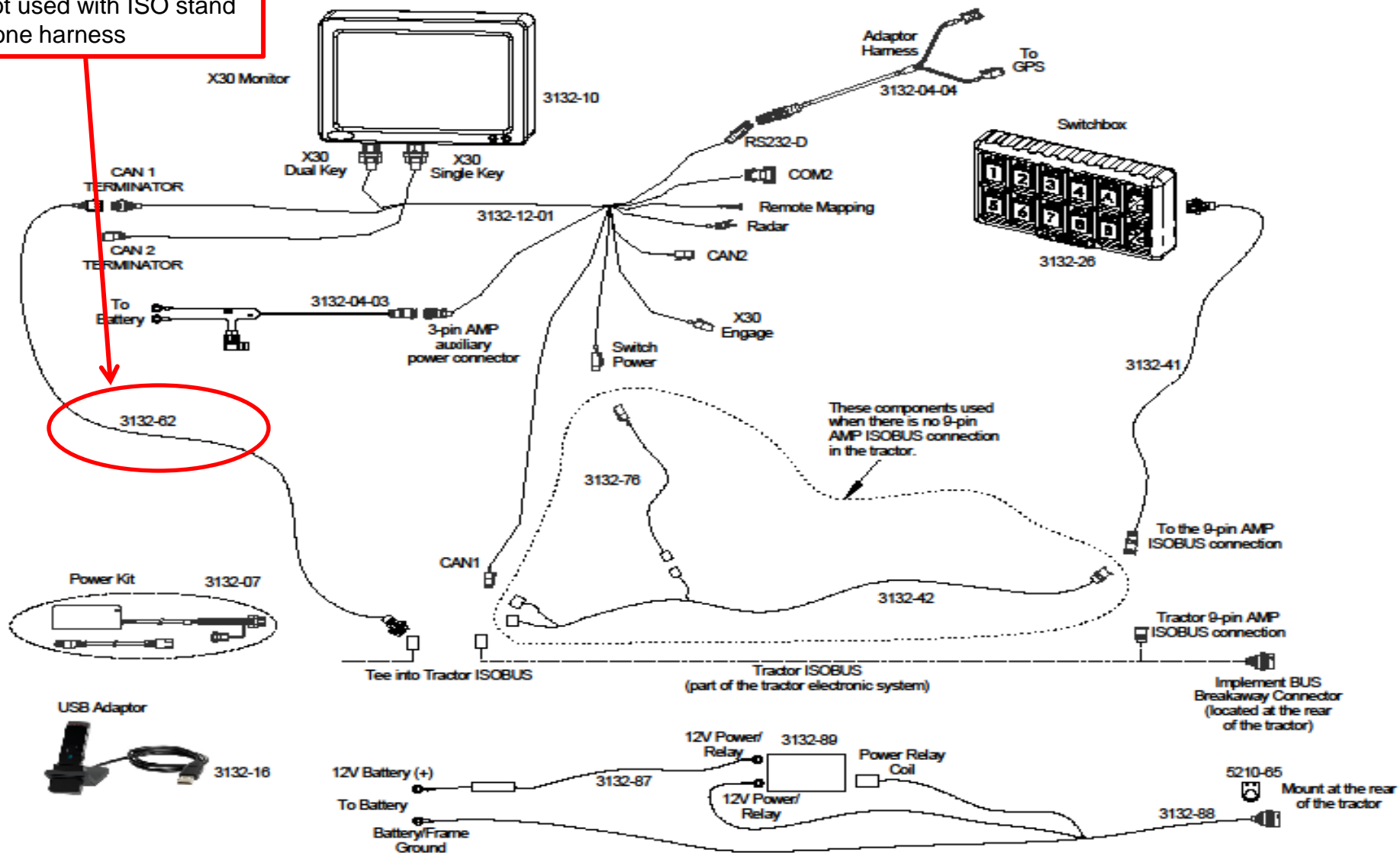
X30 In Cab System Components For John Deere BE32277 ISO stand alone harness

(see Deere ISO harness kit powerpoint in the Monitor training section of www.bourgault.com for step-by-step instructions to modify the Deere harness)





Not used with ISO stand alone harness





X30 Monitor

- Monitor is 12.1 inches
- LINUX operating system – not windows
- Can-based communication. No serial ports
- New part number 3132-10





Note: please follow the shut down procedure and **DO NOT** hold button until display shuts down.



Reset Button

Next to the green power button there is a red button, that is used to reset the console when it freezes or can not be turned off in the normal way. Only use this method as a last resort.

Turning On

To turn on the X30 console, press and hold green power button (approximately 3 sec), located on the back of the console in the lower left corner.

Shutting Down

To shut down the console, briefly press the green ON/OFF button. The system will ask if you want to power down. Select YES to turn off or No to continue working



Power and communication cables
to the back of the X30

Com's 1
Hooks to GPS adapter Harness and receiver

Connecting **X30** main
harness **fig 1 (3132-12-01)**
to a **ISO** stand alone Deere
harness. See Fig 2

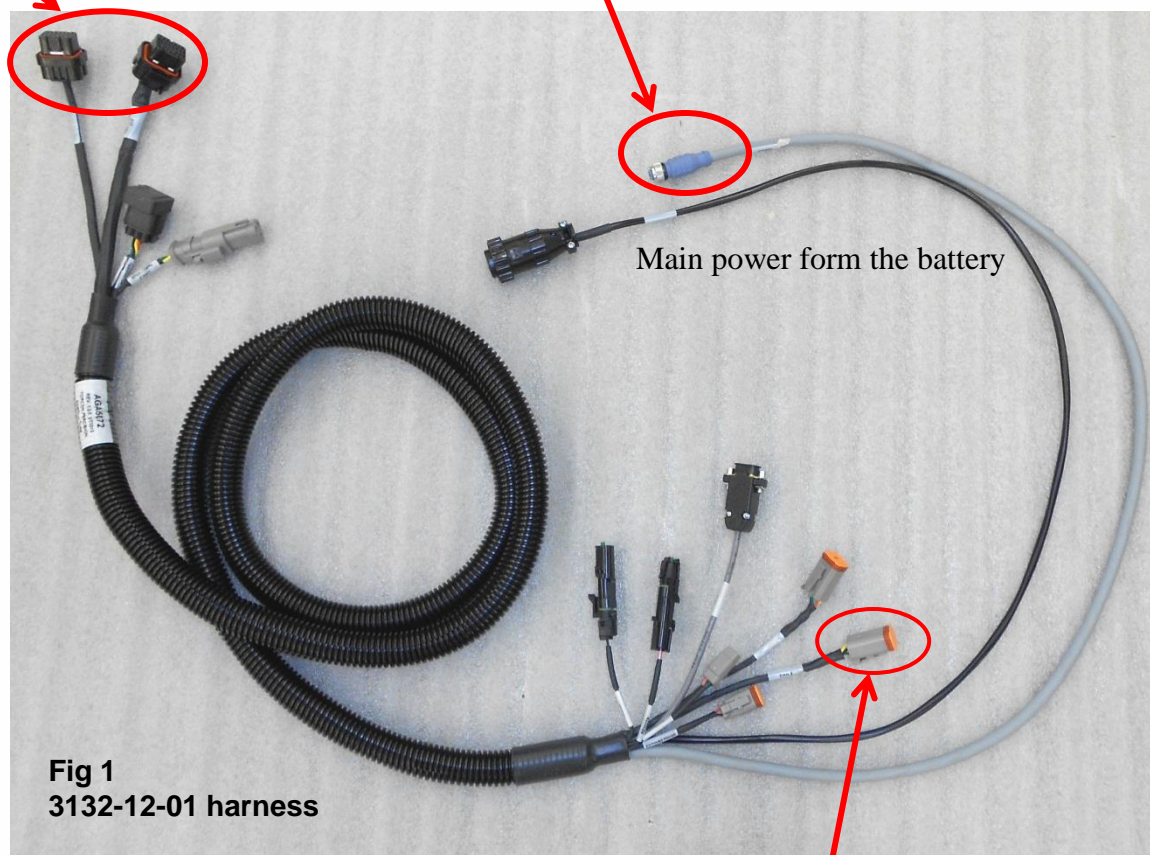


Fig 1
3132-12-01 harness

Can 1 hooks to
stand alone ISO
harness see Fig 2



John Deere BE32277 KIT



Direct to 12 volt + power supply

Direct to 12 volt – ground

Mount ISO harness connector at the back of the tractor to connect to implement.

Connect to tractor Aux power connector (must have constant power, keyed power and ground)

Connect to CAN 1 connector of the 3132-04-02 X30 harness. (the picture shows the Deere diagnostic connector removed and the 3132-94-40 4 pin Deutsch connector kit installed)

Not Used

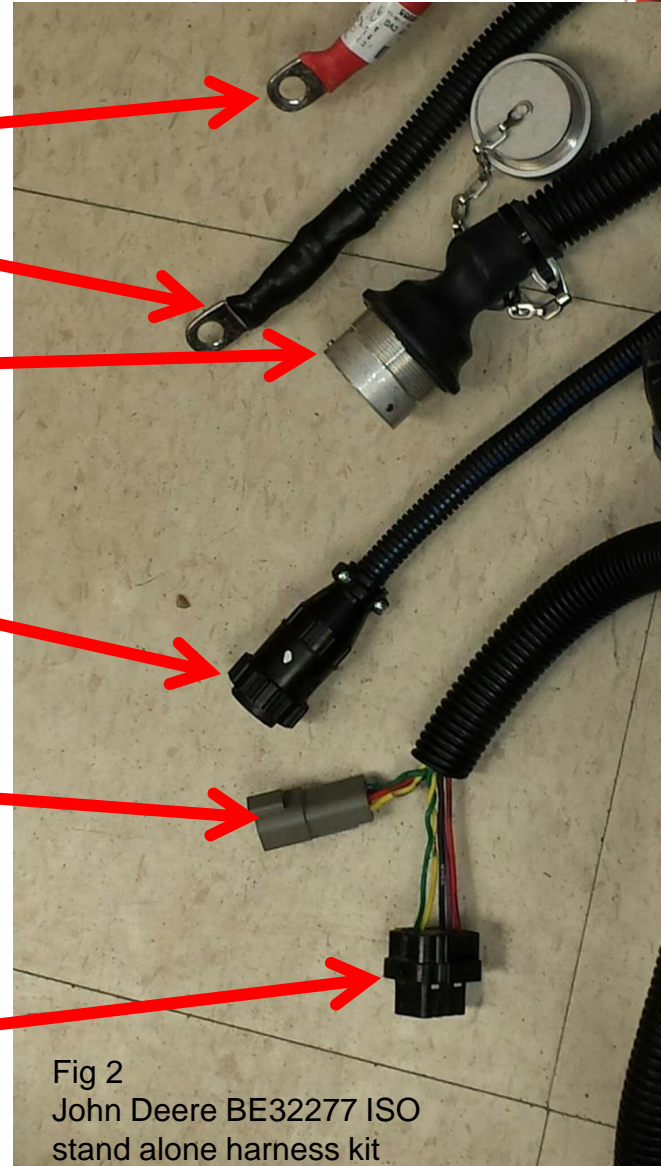


Fig 2
John Deere BE32277 ISO
stand alone harness kit



X30 power Harness

- Connects X30 3132-12-01 (fig1) harness to the battery
- Bourgault part Number 3132-04-03
- Topcon Harness AGA4073



Fig 3
3132-04-03 harness

Hooks to the main X30 power harness



In Cab Switchbox

Part number 3132-26

Topcon #AGA5504

The in cab switchbox hooks into harness 3132-41 seen in the picture.

Connects to ISO in-cab connector
available in newer John Deere
tractors



Fig 4
3132-26 and 3132-41



X30 Apollo | System

**Main Tractor Power
Harness For Apollo**
Part number; 3132-88
Topcon # 1004987-01

Power leads to the battery

Connects to power relay
3132-89 see Fig 6

Mounted at the rear of the
tractor with plate 5210-65



Fig5
3132-08 harness

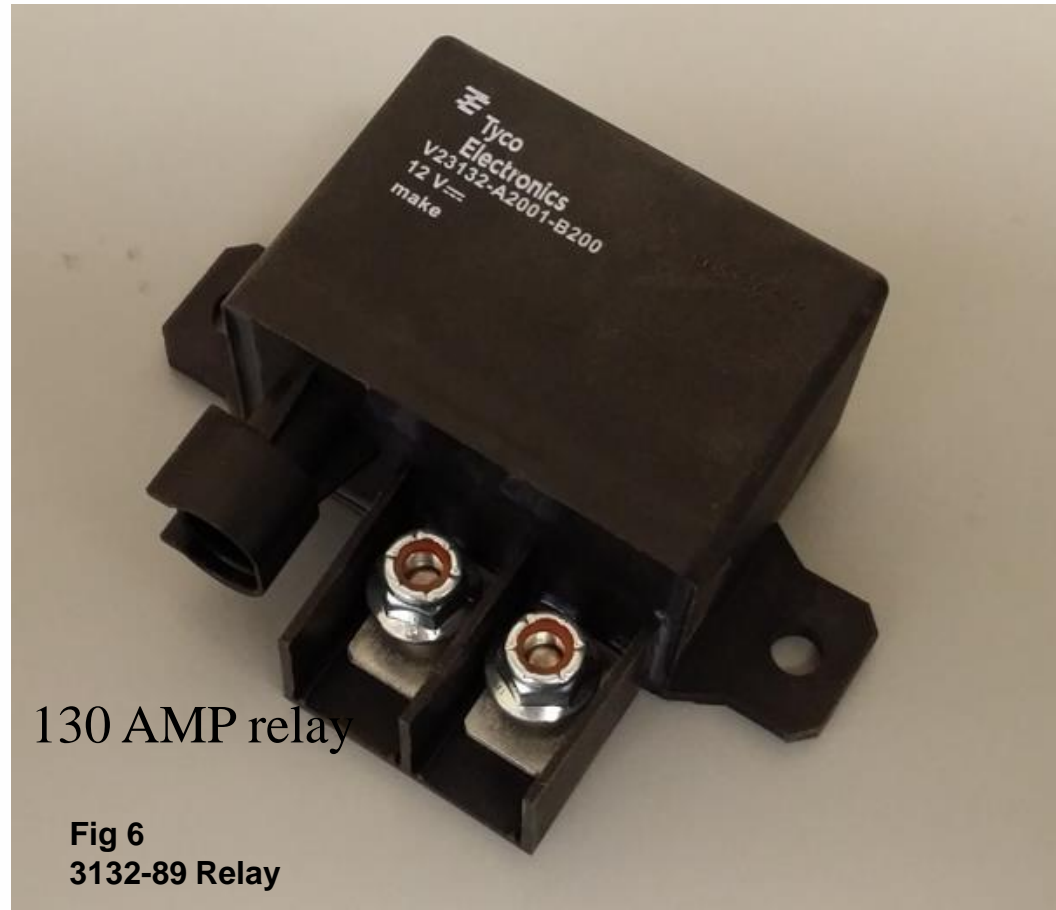


Relay For Main power Harness

Hooks into the main power harness (3132- 88)
and the battery connector harness (3132-87)

Part number: 3132-89

Topcon # 1004269-01



130 AMP relay

Fig 6
3132-89 Relay



GPS Adapter Harness

- Connects receivers to Main X30 harness.
- Includes gender changer/ Null Modem
- Part number 3132-04-04
- Topcon Harness AGA4219

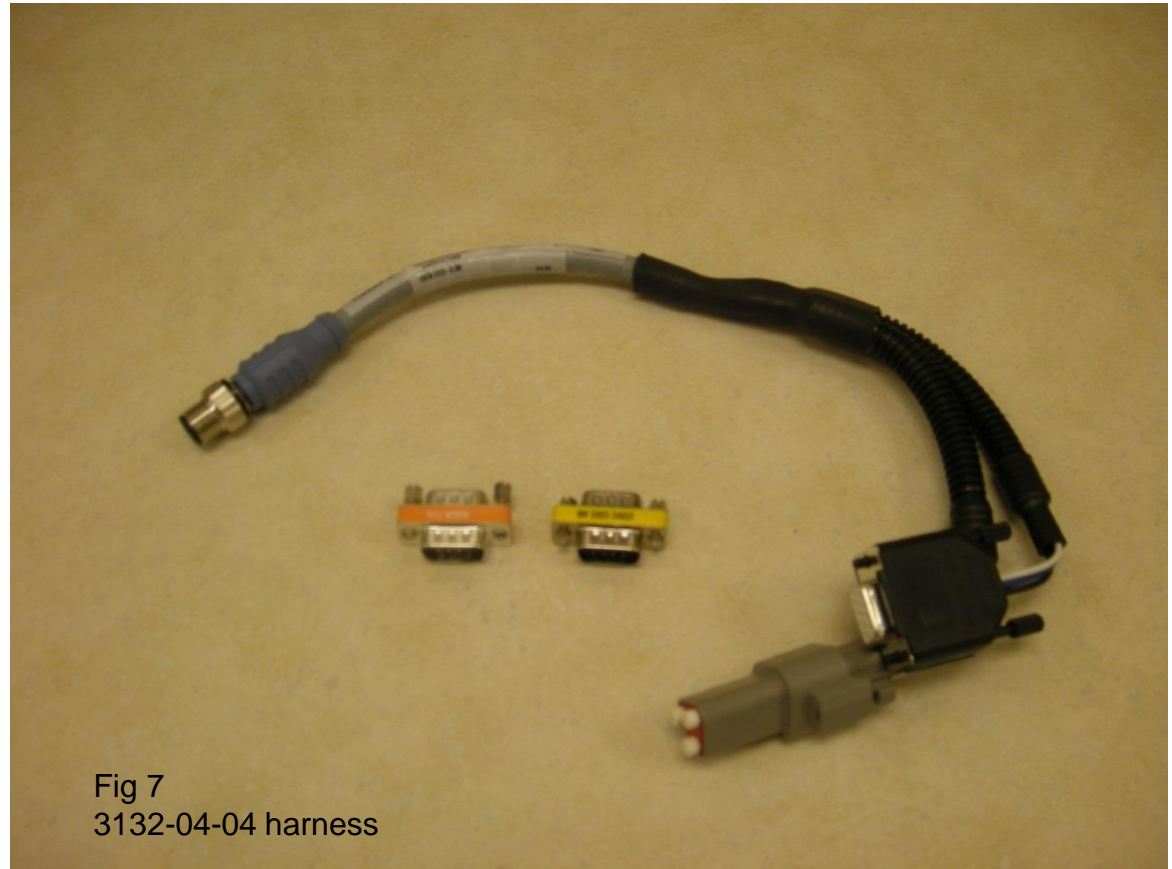


Fig 7
3132-04-04 harness



Battery connector harness

Hooks to the battery and the relay.

Part number; 3231-87
Topcon # 1004955-01



110V power converter

- For use at home outside of the tractor
- Part number 3132-07





The 3132-76 switched power extension, 3132-42 switchbox breakout harness and the 3132-62 ISO harness are **NOT REQUIRED** with the Deere ISO stand alone harness.

