BOURGAULT

X30 Apollo | System

INGENUITY. | SIMPLICITY. | DURABILITY.

TOPCON
Precision Agriculture

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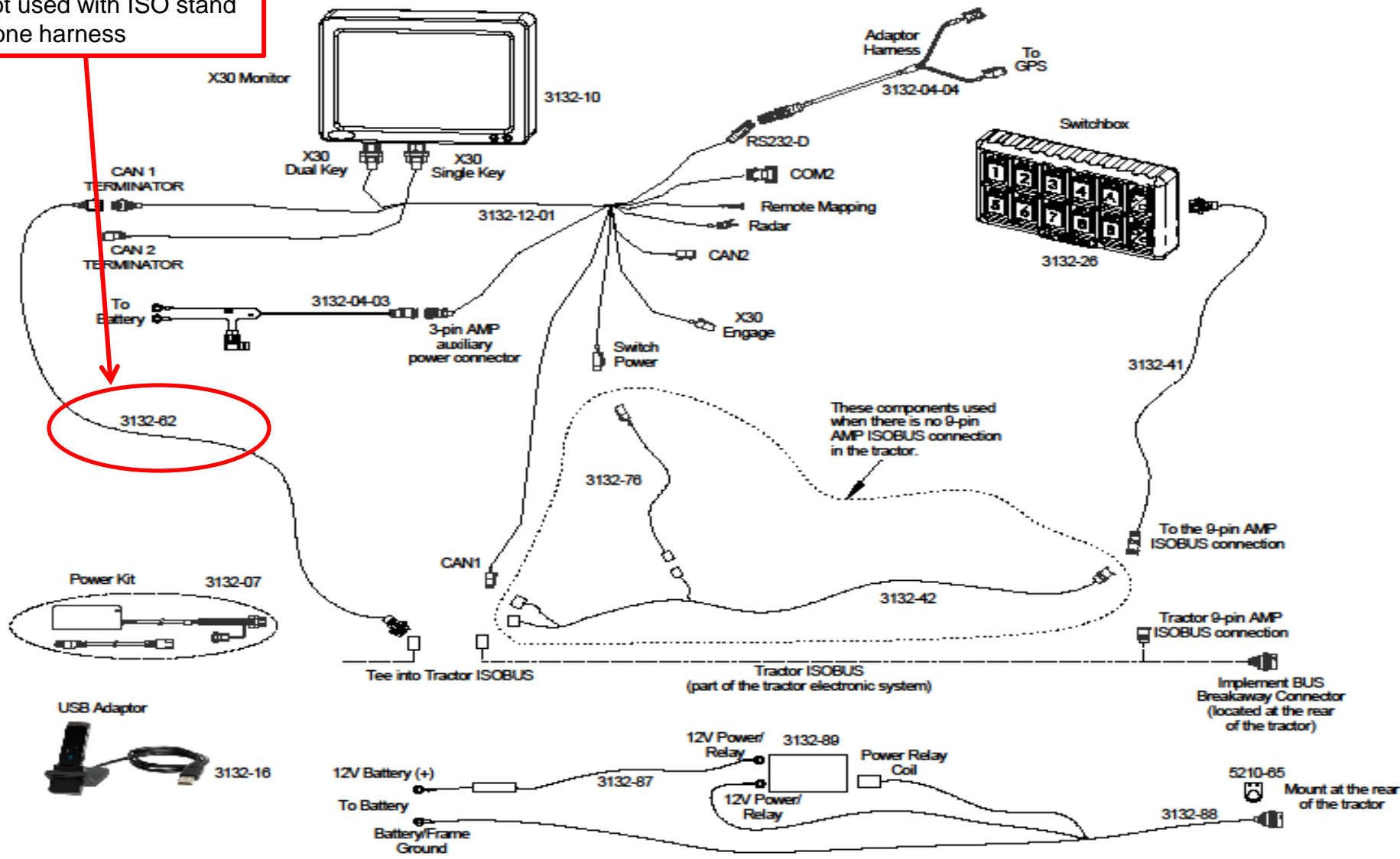
X30 In Cab System Components Using the Topcon 3151-60 ISO Stand Alone Harness

BOURGAULT

Not used with ISO stand alone harness

X30 Monitor
3132-10

Adaptor Harness
To GPS
3132-04-04

RS232-D

Switchbox

CAN 1 TERMINATOR
X30 Dual Key
X30 Single Key
COM2
Remote Mapping
Radar
CAN2
3132-12-01

CAN 2 TERMINATOR

To Battery
3132-04-03
3-pin AMP auxiliary power connector
X30 Engage
Switch Power
3132-26

3132-41

3132-62

These components used when there is no 9-pin AMP ISOBUS connection in the tractor.

3132-76

Power Kit
3132-07

CAN1

To the 9-pin AMP ISOBUS connection

3132-42

Tractor 9-pin AMP ISOBUS connection

USB Adaptor

Tee into Tractor ISOBUS

Tractor ISOBUS
(part of the tractor electronic system)

Implement BUS Breakaway Connector
(located at the rear of the tractor)

3132-16

12V Battery (+)
To Battery
Battery/Frame Ground

3132-87

12V Power/ Relay
3132-89
Power Relay Coil
12V Power/ Relay

5210-65
Mount at the rear of the tractor

3132-88

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 see Fig 7

Connecting **X30** main harness **fig 1** (**3132-12-01**) to a **ISO** stand alone harness **fig 2** (**3151-60**)
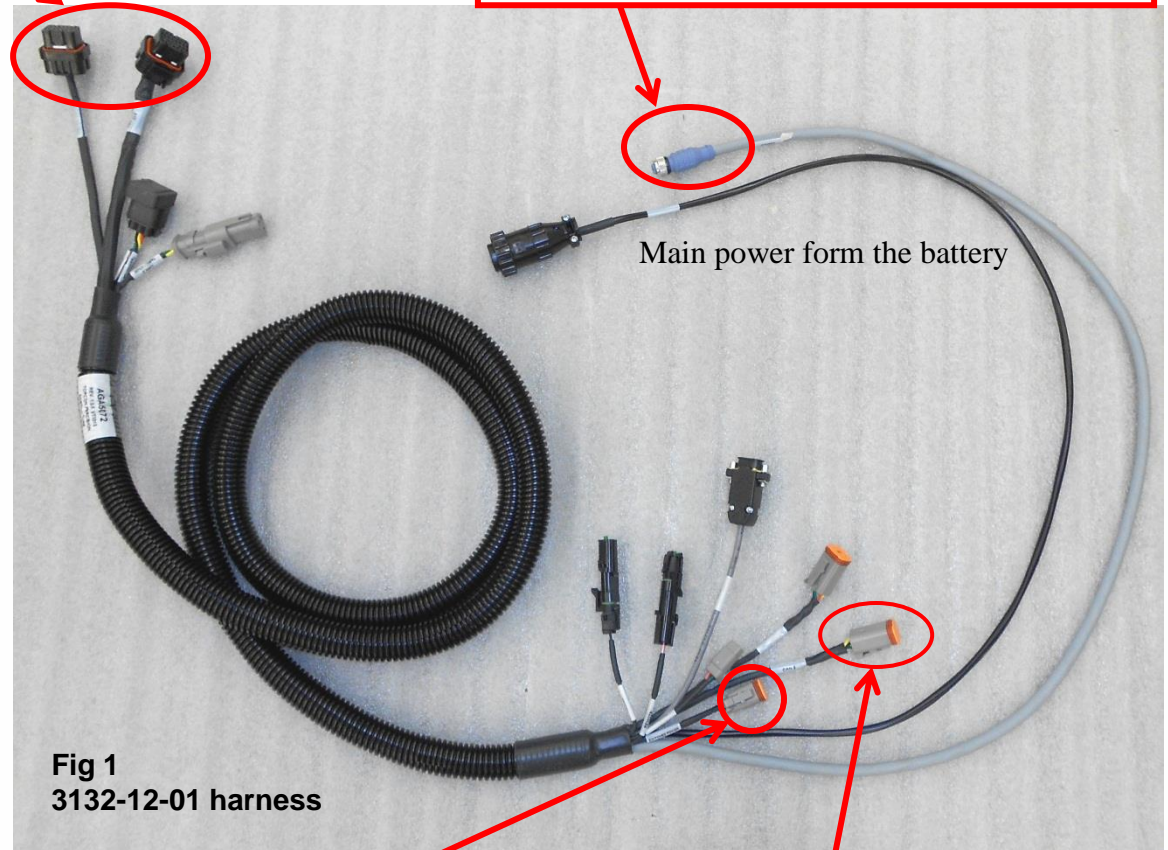
Main power form the battery

Fig 1
3132-12-01 harness

Switch Power
Hooks to Topcon stand alone harness

Can 1 hooks to stand alone ISO harness

To CAN 1 connector of 3132-12-01 harness (fig 1)
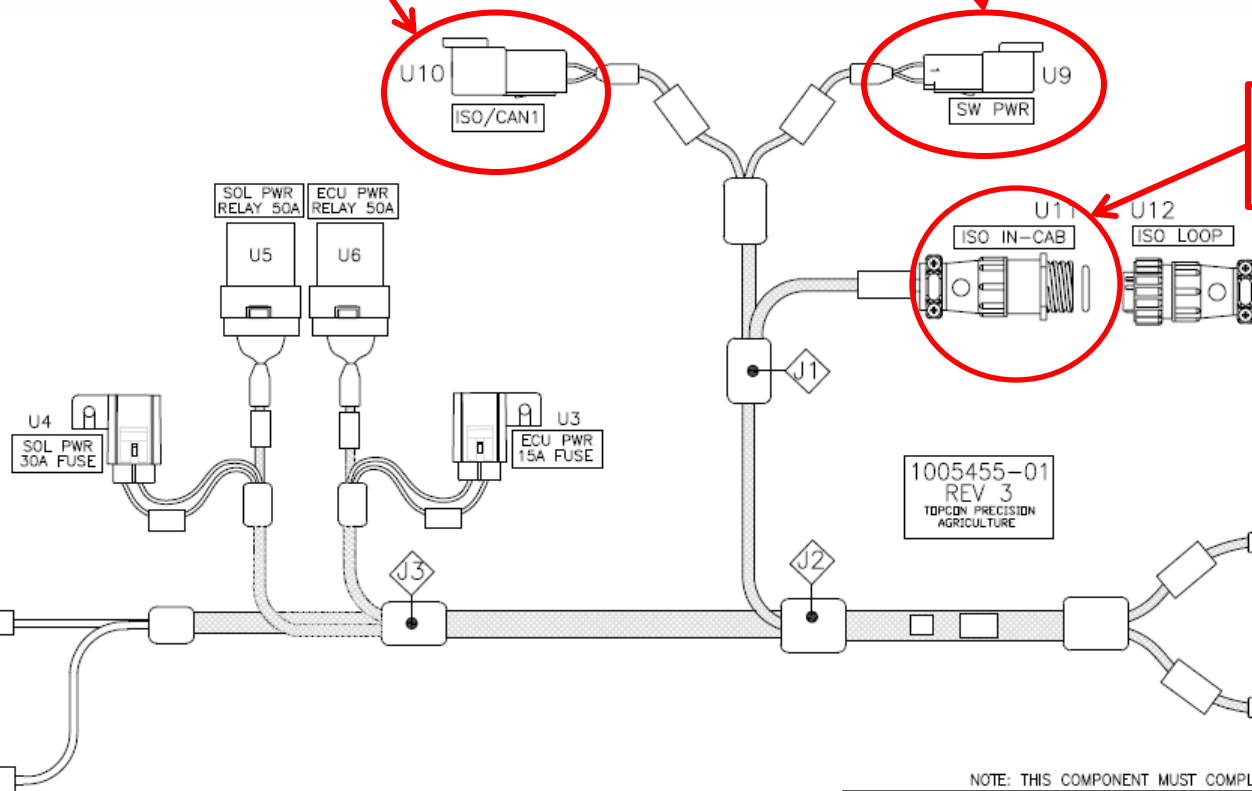
To Switched power of 3132-12-01 harness (fig1)

To Switchbox harness (fig4)

Direct to battery

ISO connector

Fig 2
3151-60 harness

X30 power Harness

- Connects X30 3132-12-01 (fig1) harness to the battery
- Required if tractor does not have aux plug available.
- Bourgault part Number 3132-04-03
- Topcon Harness AGA4073

Fig 3
3132-04-03 harness

Hooks to the main X30 power harness see Fig 1

Connects to ISO in-cab connector of 3151-60 harness see Fig 2

In Cab Switchbox
Part number 3132-26
Topcon #AGA5504

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

Fig 4
3132-26 and 3132-41

**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
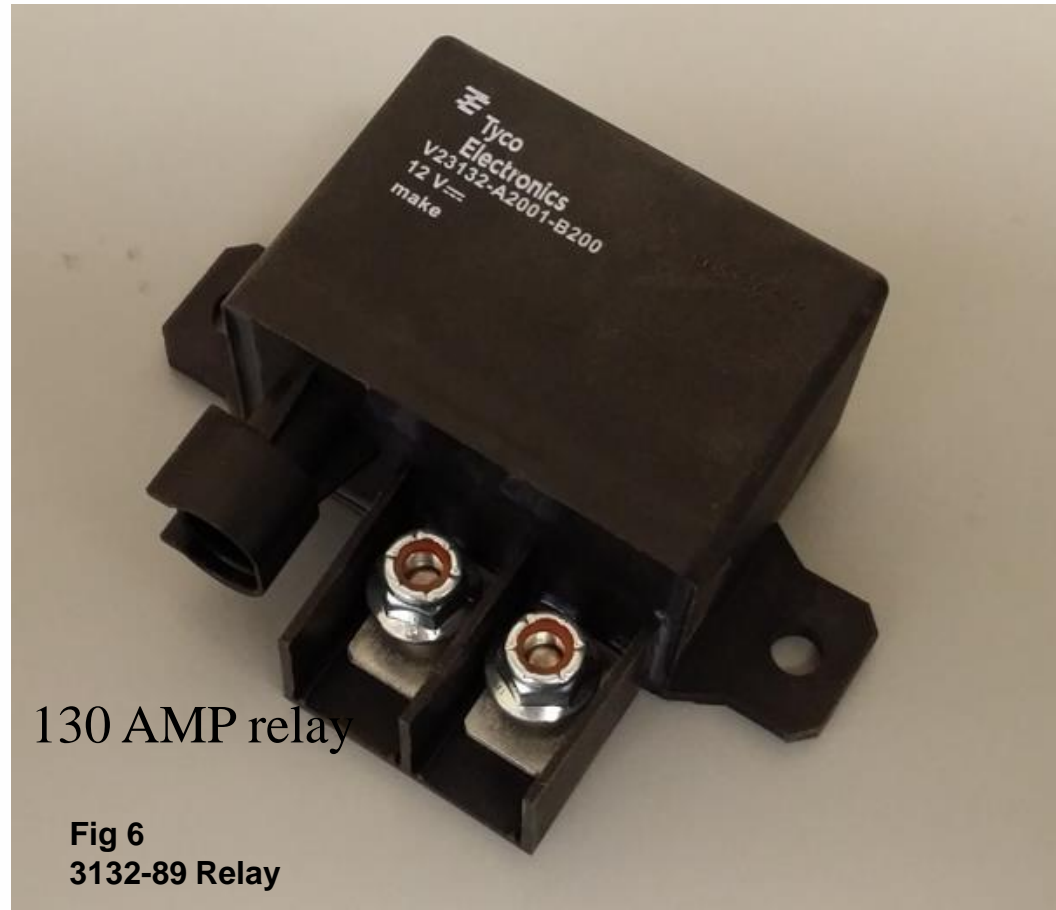
**Fig 5
3132-08 harness**

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

Battery connector harness

Hooks to the battery and the relay.

Part number; 3231-87
Topcon # 1004955-01

100 AMP fuse

GPS Adapter Harness

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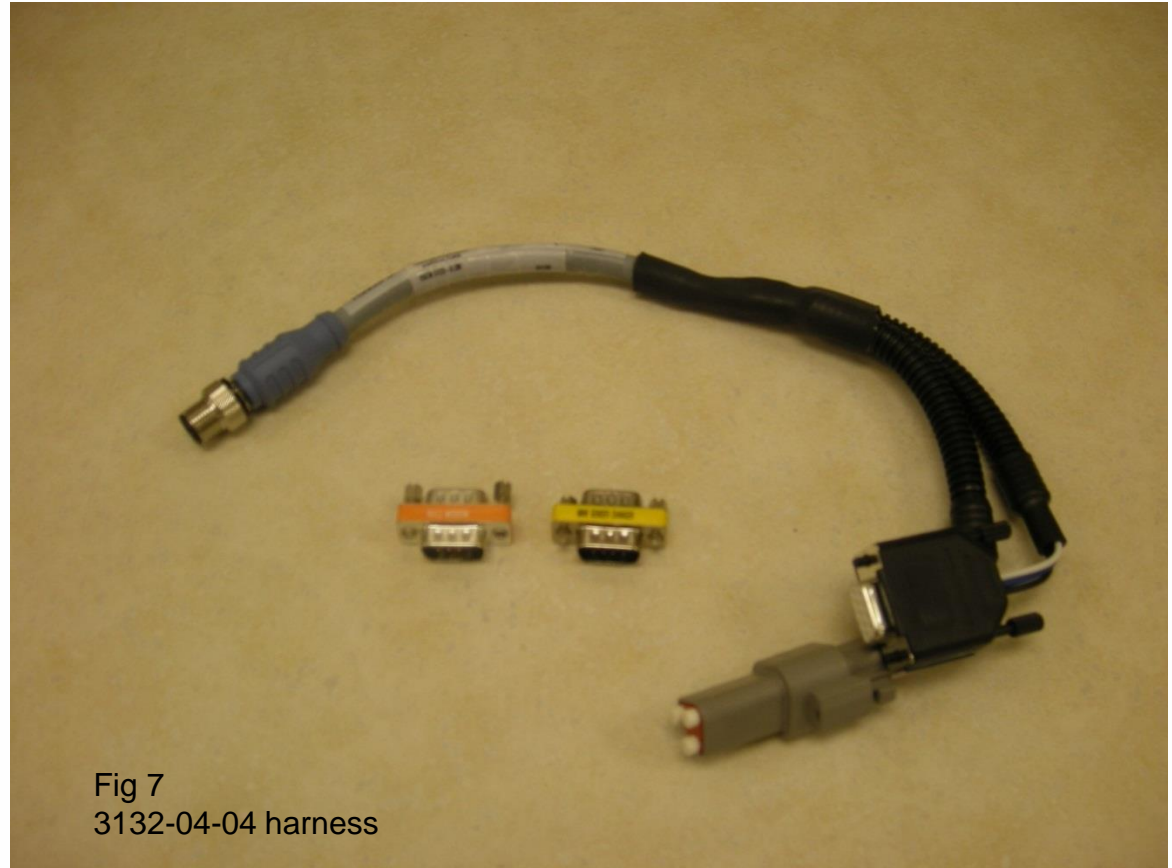- Part number 3132-04-04
- Topcon Harness AGA4219

Fig 7
3132-04-04 harness

110V power converter

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

3132-42 adaptor harness

3132-62 ISO harness

3132-76 Switched power extension harness

The 3132-42 adaptor harness, 3132-62 ISO harness and the 3132-76 switched power extension harness are **NOT USED** with the Topcon 3151-60 ISO stand alone harness.