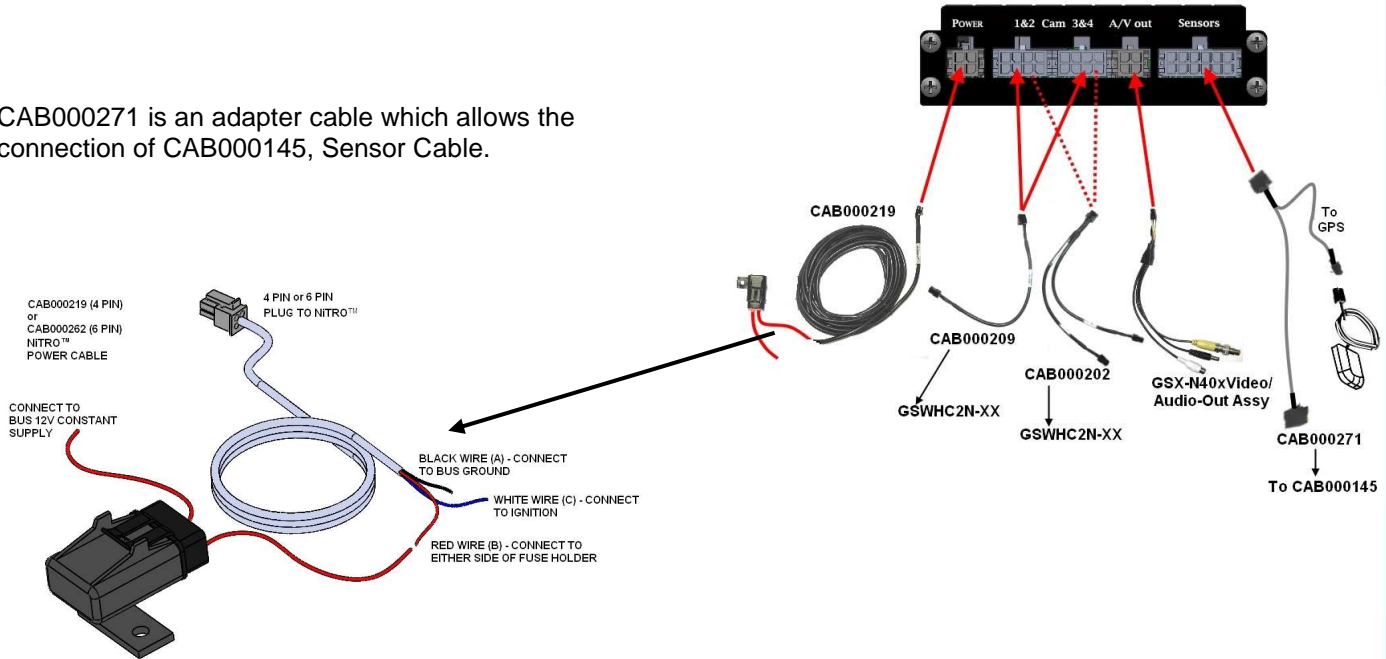




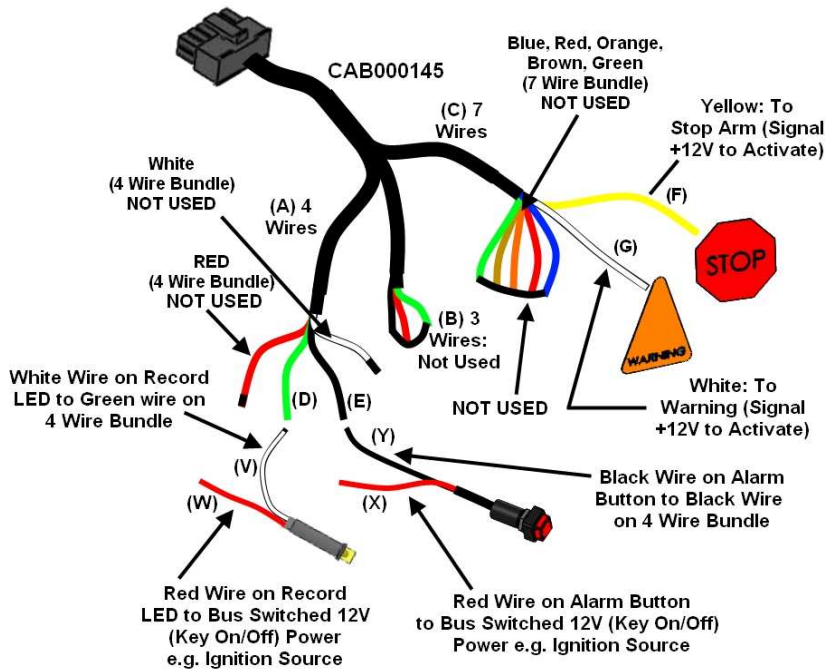
NITRO™ and NiTRO-X™ Cabling; CAB000271 to CAB000145

CAB000271 connects to the sensors port on the back of the NiTRO™ system. From there it splits to a “Y” cable, one four port connector for a GPS module and a second 14 pin connector which connects to CAB000145, the sensor cable. The below diagrams and tables show wiring connections for a successful install of both the power harness, (CAB000219 or CAB000262), and sensor harness.

CAB000271 is an adapter cable which allows the connection of CAB000145, Sensor Cable.



CAB000145: 7 Wire; 4 Wire and 3 Wire Terminations.



Wiring Diagram 2





CABLING QUICK REFERENCE.

CAB000271 connects to CAB000145.

POWER CABLE. CAB000219 (4PIN NiTRO™) : CAB000262 (6PIN NiTRO-X™)

| | | |
|---|-------|-------------------------|
| A | BLACK | GROUND |
| B | RED | POWER IN (Constant 12V) |
| C | WHITE | IGNITION (Switched 12V) |

SENSOR CABLE. CAB000145

| | | |
|---|------------------------|--------------|
| D | GREEN (4 Wire Bundle) | RECORD LED |
| E | BLACK (4 Wire Bundle) | ALARM BUTTON |
| F | WHITE (7 Wire Bundle) | WARNING |
| G | YELLOW (7 Wire Bundle) | STOP ARM |

Detailed CAB000145 Wiring.

3 WIRE BUNDLE

BLACK, RED, GREEN NOT USED

4 WIRE BUNDLE

| | |
|------------|--------------------------------------|
| GREEN | Connects to White Wire Record LED. |
| BLACK | Connects to Black Wire Alarm Button. |
| RED, WHITE | NOT USED |

7 WIRE BUNDLE

| | |
|---------------------------------------|--|
| WHITE | Connects to Warning (Signal +12V to activate) |
| YELLOW | Connects to Stop Arm (Signal +12V to activate) |
| BLUE, RED, ORANGE, BROWN, GREEN | NOT USED |

Detailed Definitions (Wiring Diagram 2).

- A. Alarm & LED Bundle (4 Wires)
- B. Speed Bundle (NOT USED) (3 Wires)
- C. Trigger Bundle (7 Wires)
- D. Green (4 Wire Bundle) connect to White (V) on Record LED.
- E. Black (4 Wire Bundle) connect to Black (Y) Alarm Button.
- F. Yellow (7 Wire Bundle) to Stop Arm (Signal +12V to activate).
- G. White (7 Wire Bundle) to Warning (Signal +12V to Activate).
- V. White Wire on Record LED Connect to Green Wire (D) on 4 Wire Bundle.
- W. Red Wire on Record LED to Bus Switched 12V (Key On/Off) Power, e.g. Ignition Source.
- X. Red Wire on Alarm Button to Bus Switched 12V (Key On/Off) Power, e.g. Ignition Source.
- Y. Black Wire on Alarm Button to Black Wire (E) on 4 wire bundle.

