

GLC X Controller Wiring Harness Kit for G3 Standard HF Pump

Used to interface the GLC X Lubrication Controller with the G3 Standard HF Pump and pump accessories. For professional use only. Not approved for use in explosive atmospheres or hazardous (classified) locations.

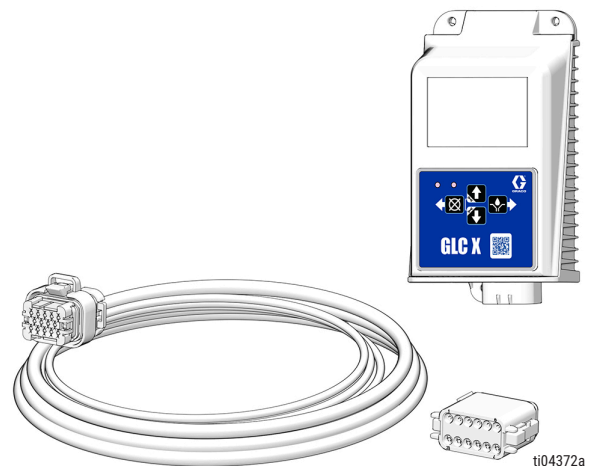


Important Safety Instructions

Read all warnings and instructions in this manual and the GLC X Lubrication Controller instruction manual included with your unit. Save these instructions.



graco.com/contact



Kit Number: 2011788 – 15 ft

Images are for illustrative purposes only

INSTALLATION

Follow this procedure to install the GLC X Wiring Harness Kit for the G3 Standard HF Pump.

1. Verify that the connector end of the cable is not plugged in to the GLC X controller. Disconnect if necessary.
2. Remove 2–3 in. (5.1–7.6 cm) of the outer insulation (A) from the bare end of the cable.

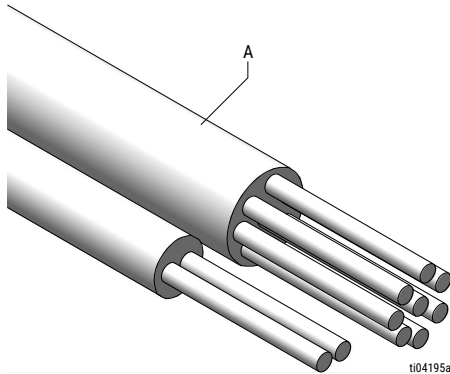


Figure 1-1: Remove the outer insulation

3. Strip approximately 0.25 in. (0.65 cm) from each wire (B).

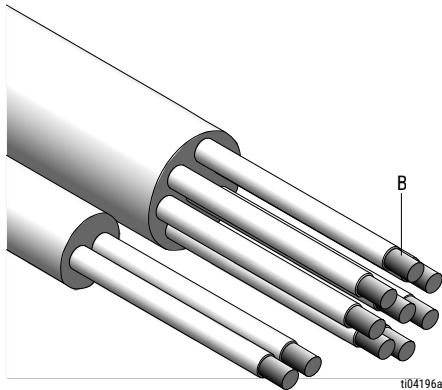


Figure 1-2: Strip each wire

4. Crimp the stripped end of the eight core wires cable wires with connector pins using the crimping tool. See instructions from manufacturer (Deutsch).

5. Insert the crimped wire pins into the ports from the flat end of the Deutsch connector, matching each wire color according to the following figures and table. Verify that all negative and positive wire colors are correctly assigned.

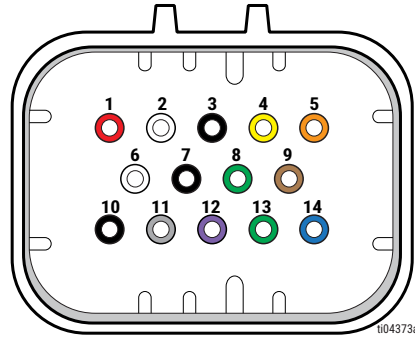


Figure 1-3: GLC X Pin Number Wire Entry View

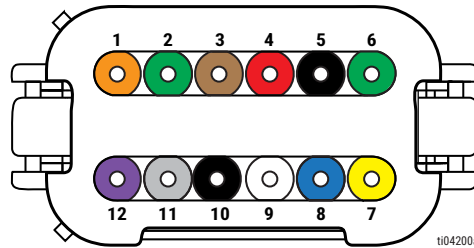


Figure 1-4: 12-Pin Deutsch Cable Connector Pin Diagram (looking from the flat end of connector)

INSTALLATION

GLC X PIN	COLOR	DESCRIPTION	DEUTSCH PIN
1	Red	Pump signal power	4
2	White	Vent valve power	9
3	Black	Pump signal ground	5
4	Yellow	Pressure switch/pressure sensor power	7
5	Orange	Level sensor power	1
6	White	Voltage source	Battery (+)
7	Black	Vent valve ground	10
8	Green	Low level switch/level sensor ground	2
9	Brown	Level sensor analogue input	3
10	Black	Voltage source, chassis ground	Battery (-)
11	Slate	Cycle count (in series progressive system)	11
12	Violet	Machine count	12
13	Green	Pressure switch/pressure sensor ground	6

GLC X PIN	COLOR	DESCRIPTION	DEUTSCH PIN
14	Blue	Pressure sensor analogue input	8

6. Insert wedge into the connector opposite the wires.

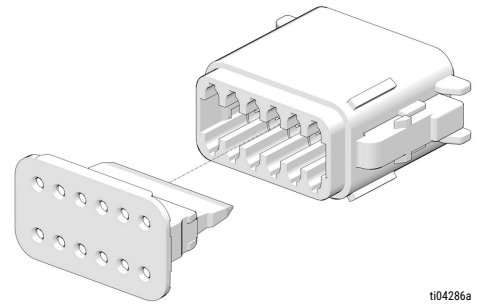


Figure 1-5: Connect the wedge to the connector

7. Plug the pre-wired cable connector of the controller cable harness (J) into the port of the GLC X controller.

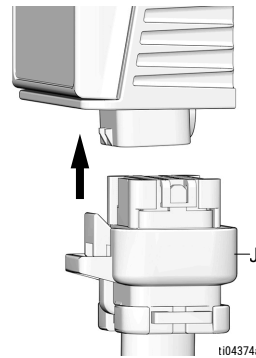


Figure 1-6: Connect the cable to the controller port

8. Connect the Deutsch connector (H) to the pump cable harness (E).
9. Connect the red (+) and black (-) wires (B) to the corresponding terminals on the battery.

INSTALLATION

PUMP WITH LOW LEVEL SWITCH

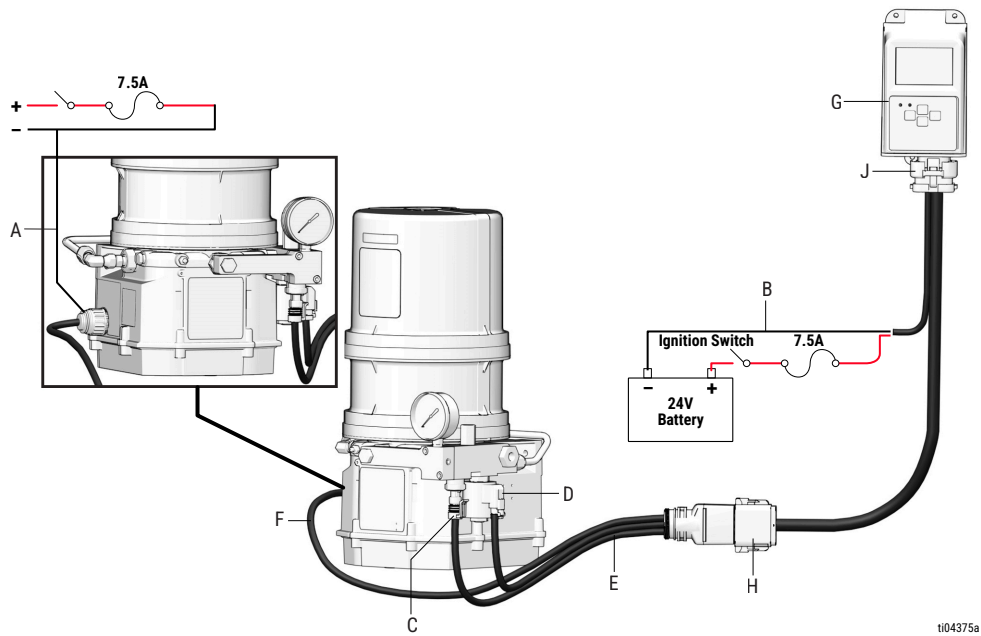


Figure 1-7: Wiring Diagram for Pump with Low Level Switch

INSTALLATION

Table 1-1: Wiring Diagram for Pump with Low Level Switch

A	Power to Pump/Motor
B	Power to Controller
C	Pressure Switch or Pressure Transducer
D	Vent Valve
E	Pump Cable Harness (included with pump, not included with the harness kit)
F	Signal and Low Level Switch
G	GLC X Controller
H	12-Pin Deutsch Cable Connector
J	Controller Cable Harness

Table 1-2: Wiring Diagram for Pump with Level Sensor

A	Power to Pump/Motor
B	Power to Controller
C	Pressure Switch or Pressure Transducer
D	Vent Valve
E	Pump Cable Harness (included with pump, not included with the harness kit)
F	Signal
G	GLC X Controller
H	12-Pin Deutsch Cable Connector
J	Controller Cable Harness
K	Level Sensor

PUMP WITH LEVEL SENSOR

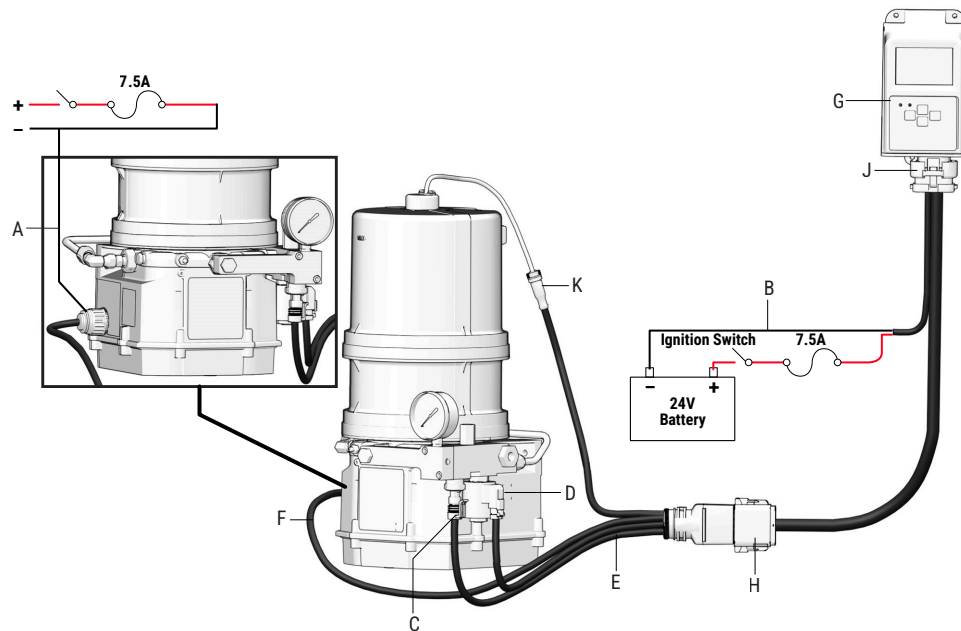


Figure 1-8: Wiring Diagram for Pump with Level Sensor