

CZ Service Manuals



UPL.11(F) Installation guide for GDU.2-4##(F)





RiD90110r2

Installation Guide UPL.11/F

Version 1.0 06/2020

(For GDU.2/4-R ##/F units)



Tools Needed:

- 1. Philips Screwdriver.
- 2. Hex screwdriver 3mm.
- 3. Hex screwdriver 2.5mm.
- 4. Socket Driver 7mm

Introduction

Before upgrading the machine, please make sure that you have all the necessary tools and you have read this installation guide thoroughly.

Notice: All the images below are for simulation purposes only and do not necessarily represent the exact conditions of the machine / spare parts pending upgrade.



STEP.1 Electrical Installation (PCB KIT)

1.1 Power OFF and open panels

- **Power off** the machine and **Disconnect it** from the power supply.
- Open the back and the rear panels by using a hex screwdriver 2.5mm.

1.a Install the PCB

• Install the PCB board (**1.a**) as shown below.

1.b / 1.d Plug Connectors on the PCB (1.a)

• Plug the connector **1.b** and **1.d** on the PCB as shown below:

1.f / 1.e Install 12V Adapter

- Disconnect the **K20** 12V connector from the Main Board.
- Connect cable adapter **1.e** to **K20** and **1.f** on the Main Board (K20 old position).

1.g / 1.h Install PWM Adapter

- Disconnect the **K21** PWM connector from the Main Board.
- Connect cable adapter **1.h** to **K21** and **1.g** on the Main Board (K21 old position).

1.k Low Pressure Sensor cable

• Connect the cable 1.k to the K28 position on the Main Board.

1.i / 1.c Pump and sensor connectors

- Pass the connectors **1.i** / **1.c** through the hole as shown by the arrow in the photo below.
- Then manage the cables as shown below.

STEP.2 Hydraulic system and pump

Introduction

Before installing the hydraulic system, empty both tanks testing & cleaning and remove the old supply pump.

* If your machine chassis does not have holes already for the parts (solenoid / pump / sensor block), you must drill them.

<u>Notice</u>: All the images below are for simulation purposes only and do not necessarily represent the exact conditions of the machine / spare parts pending upgrade.

2.1 Parts position

• Install solenoid / pump and sensor block in the position shown below. *

2.d / 2.e Filters Testing and Cleaning

- Install **2.d** hose on the central adapter of the testing filter.
- Install **2.e** hose on the central adapter of the cleaning filter.

2.a / 2.b HP Rail returns

- Connect **2.a** hose on the "T" adapter as shown below.
- Connect **2.b** hose on the return of the HP Rail as shown below.

2.c Connect to HP pump

• Connect the **2.c** hose on the inlet of the HP pump as shown below. (Notice to change the hydraulic adapter on the inlet of the HP pump, as shown below)

2.2 Parts electrical connections

- Connect the cable **1.i** (electrical part) to the sensor **1.m**.
- Connect the new testing / cleaning solenoid cable to the machine cables with number **13/20** as there are on your previous solenoid.
- Connect the pumps cable **1.1** with **1.c** that comes from new PCB board.

STEP.3 Finalization process

- Fill up the tanks with the correct fluid on each one (testing / cleaning).
- Perform Degas Procedure.
- Check all the connections for leakage.

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