



HYDRAULIC POWER UNIT

Code 71.0000

Version 03112023



Keep this manual for future reference!

If you need any spare parts, please send this packaging data to your local dealer or to Iron Baltic sales@ironbaltic.com

SPECIFICATION

Pos.	Description	Code	Amount
1	Hydraulic power unit	71.000S	1
2	Remote control holder	71.010	1
3	Remote control	OT.32.00.076	1
4	Power cable 3,0m	OT.32.00.077	1
5	Strap	OT.32.00.009	1
6	Oil filler syringe	OT.32.00.070	1
7	Fuse 80A MAXI (spare)	OT.32.00.065	1
8	U-clamp 28mm	OT.05.01.010	1
9	U-clamp bracket 28mm	OT.05.04.010	1
10	Screw M3x14 DIN7985	OT.01.02.030	2
11	Washer Ø3 DIN125	OT.04.01.004	2
12	Washer Ø8/20 SFS3738	OT.04.03.030	2
13	Nyloc nut M3 DIN985	OT.03.02.005	2
14	Nyloc nut M8 DIN985	OT.03.02.040	2
15	Allen key 4mm	OT.32.00.072	1



TECHNICAL DATA

Product	Hydraulic power unit
Code	71.0000
Dimensions	500 x 200 x 120 mm
Weight	12 kg
Power supply	12V
Control	Remote control
Hydro output	2 x 1/4"
Motor	800 W
Capability	2,5 l/min
Nominal pressure	180 bar
Oil tank	1 l
Recommended oil	Mineral oil : HLP HV 6743/4 DIN51519 Viscosity : ISO3448/VG32 (20-100) Working temperature : -15°C - +70°C

Table 1. Hydraulic power unit technical data



FITTING INSTRUCTIONS

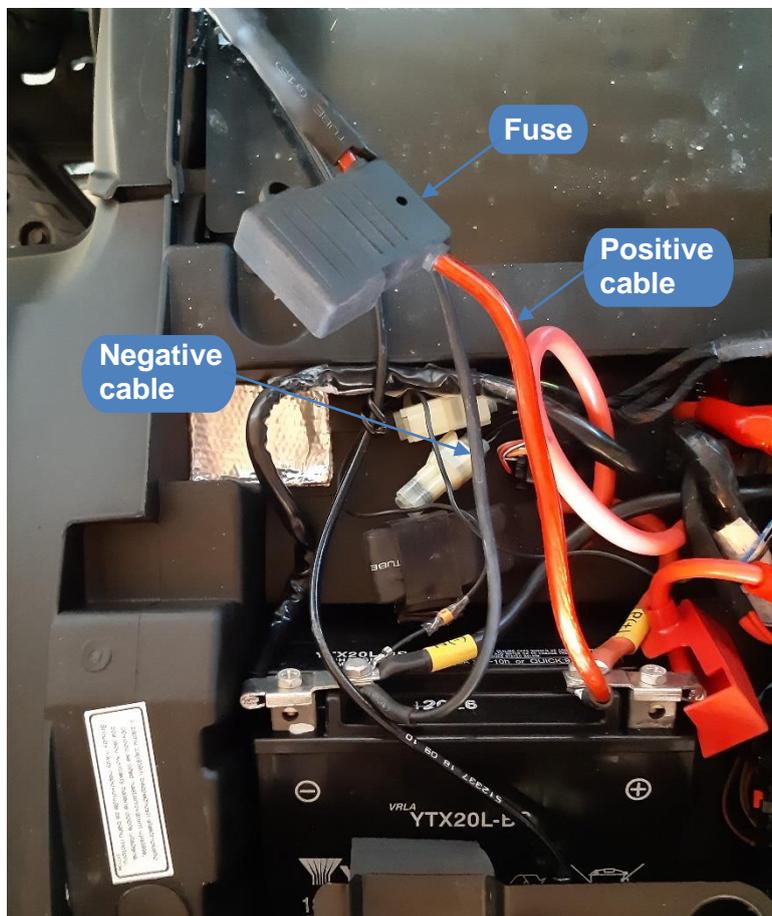
Step 1

Install the hydraulic powerpack on the ATV rack.
NB! Do not put the powerpack on it's sides or ends!



Step 2

Connect the power cable to the ATV battery. Red wire goes to positive terminal and black to negative terminal. Hide remaining cable under the seat or where possible.



Step 3 Install remote control to the remote control holder.



Step 4 Install the remote control holder under the rear view mirror or other suitable place. Use U-clamp for installation if necessary.

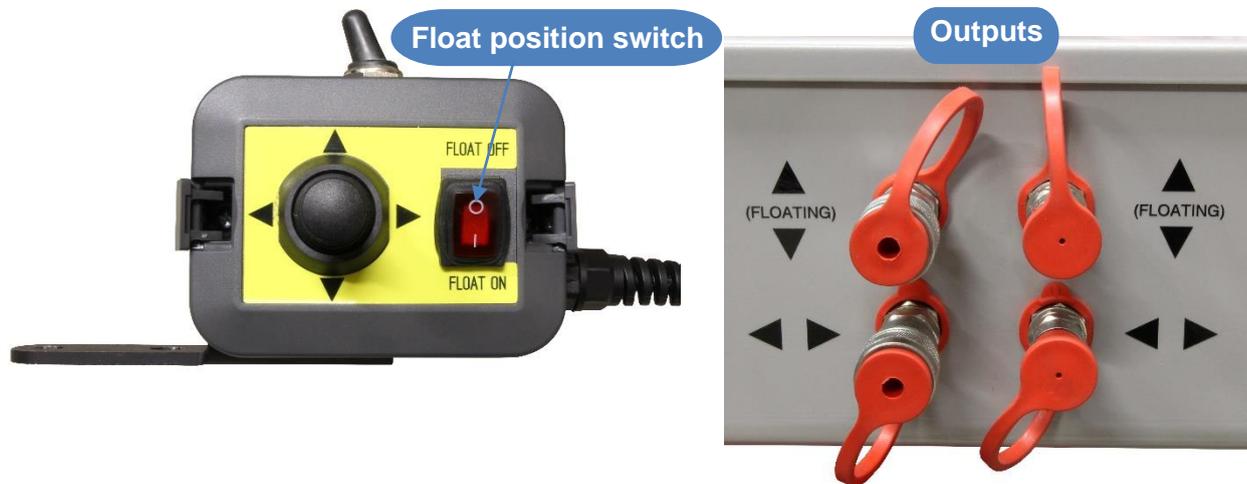


Step 5 Connect power cable and remote control cable to the hydraulic power unit.
NB! The plug of the remote control fits in specific position. Follow markings on the plug and socket!



OPERATING INSTRUCTIONS

1. The movement of the cylinders is controlled with the remote control. The arrows around the joystick indicate the outlet at the hydraulic station. The upper outputs can be switched to floating position. There is a switch on the remote control for this.

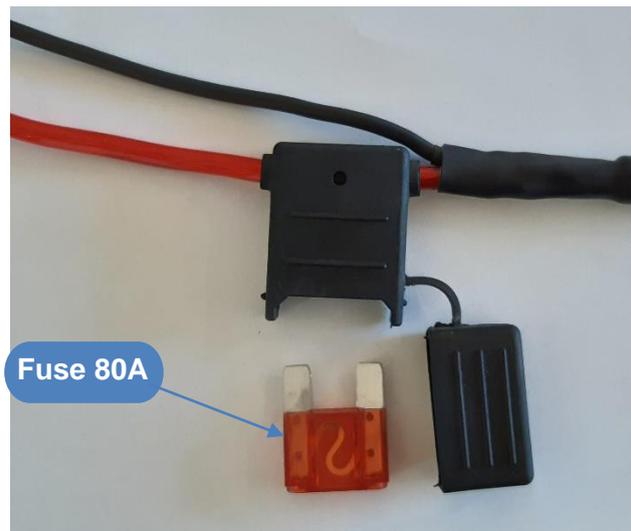


2. After first connection of cylinders, move them a few times throughout the working length and check the oil level (normal oil level is about 2 cm from the edge of the filling hole, oil should be visible on the bottom of the filler hole, see picture), if necessary add oil (recommended oil is given in the table 1).



3. The hydraulic power unit is pre-filled with the oil shown in table 1. If operating at lower temperatures, consult your local hydraulic shop for advice. For the oil change, open the oil filling hole, turn the hydraulic power unit upside down and let the oil to drain (it is recommended to remove the top cover of the hydraulic power unit). Add new oil to the standard level (about 2 cm from the edge of the filling hole, oil should be visible on the bottom of the filler hole, see previous picture), then move the hydraulic cylinders a few times throughout the working length and check the oil level, if necessary add oil. Depending what cylinders are used, the standard amount of oil can be 1-2 liters.
4. When disconnecting hoses, make sure that the connected device is in lower position or in a position where there is no pressure to the cylinder/device. This prevents hoses to remain under pressure, which simplifies reconnecting the hoses.

5. After finishing work, always disconnect the power cable. This eliminates the chance that the ATV battery will discharge.
6. If the cylinders are not moving, but power unit motor works, then check the oil level in the hydraulic power unit and check if the hoses are connected correctly and that correct output is selected. To check the oil level, open the oil filling hole, the normal oil level is about 2 cm from the filling hole edge (for the inspection the cylinders must be in closed position aka shortest in length). If necessary, add oil (recommended oil is given in the table 1, if operating at lower temperatures, consult your local hydraulic shop for advice.).
7. If the motor is not working, then check all the connections and fuse. If the fuse is blown, then replace it (80A).



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