

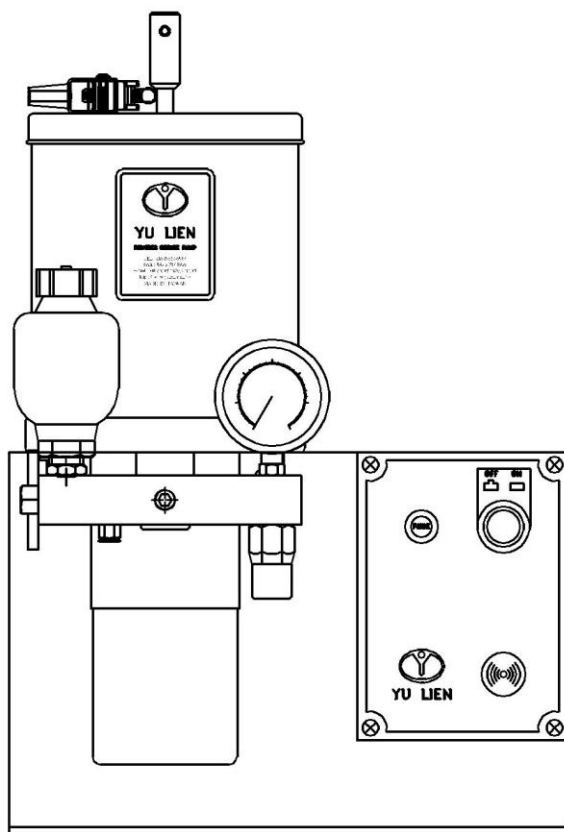
YU

LIEN

F80-B 電動黃油機

F80-B POWERED GREASE PUMP

使用說明書
INSTRUCTION




使用前請詳加閱讀


Read and understand this intruction carefully.


F80-B Instruction Manual

1. Cautions:

- (1) Be sure to familiarize with the assembly and cautions before the operation.
- (2) Verify the suitable voltage for this machine while installing the machine.
- (3) This machine is not suitable for operation under an environment of high temperature above 45 °C and low temperature below -5 °C , and a measure should be arrange to prevent the infiltration of rain.
- (4) For safety and warranty, please apply only the grease, silicon grease and lubricating grease of general machine-use to this machine, Use of gelatinized resin is not allowed.


(5)  **CAUTION** Avoid the failure caused by heat generation, do not turn on the power and run the pump without grease charged into the machine.

(6)  **CAUTION** Stop using the machine if the drum of machine has been collided and deformed.

(7)  **CAUTION** The grease used by machine must be free of foreign material or iron debris to keep operation in order and warranty in force.

2. Notice for startup at the first time:


- (1) In order to facilitate the pump's performance well, for the first time using, be sure to fill grease below oil-st irrer (A11) while filling the drum with grease.
- (2) After filling the grease into the drum in full, turn on the power supply and start the motor, then open the grease outlet at the end of grease pipe to vent the extra air from the drum belly and grease pipe. The grease with air mixed will be in white turbid color, please drain and wait till the grease in white turbid color is drained completely, and then fasten the outlet firmly again.
- (3) Method to regulate the pressure : Operator may regulate the pressure by yourself according to the viscosity of grease and desired pressure; just press down the principal axle at the center and rotate it clockwise and anti-clockwise, then use the internal iron piece to poke the upper and lower pointers to set the pressure.

 **CAUTION** The uppermost valve of the upper pointer shall not exceed 380Kg/cm².

- (4) Grease lower limit alarm (Operation Manual H1): Resupply grease immediately while alarm lighting, which means grease reach lower limit.

3. Troubleshooting and maintenance:

- (1) Pressure accumulator (B17) applies as assist function. Remove it for maintenance or replacement once unstable pressure occurs.
- (2) The output volume of grease will encounter an obviously intermittent and short phenomenon when using the machine under an extreme cold environment. We highly appreciate your understanding about our excluding guarantees with respect to the short output volume under such situation. Please increase the pressure or change the grease with a softer one.

- (3)  **CAUTION** When grease come out from the safety valve (H3) :

Condition 1 : Operating pressure was too high.

Condition 2 : Internal circuit failure of machine

Stop operating machine immediately and deliver machine for inspection, and do not modulate safety valve by yourself.

Condition 3 : Carbon-deposited contact of pressure gauges (B14) failed to work normally.

Please change the pressure gauge with electric contact.

- (4) Motor failed to run at startup of machine:

Condition 1 : It is normal condition that motor stopped after running for short period of time when internal pressure (upper limit) has been established.

Condition 2 : Motor seized, notify the manufacturer for service.

Condition 3 : Power supply disconnected, examine the power fuse or parts on power cord (Please refer to the circuit diagram).

Condition 4 : Electromagnetic switch damaged, please use multi-meter to check the parts. It is a damaged switch if two contacts of switch could not be connected.

Condition 5 : Caused by temperature drop, make sure to increase the supplying pressure.

Condition 6 : Test and tune again to check if upper-limit and lower-limit pressure gauges (B14) were out of order.

- (5) Motor is running without pumping any grease when operating the machine :

Condition 1 : Maybe there are still some air remained in the drum belly. Please open the grease outlet at the end of grease pipe to exhaust the air.

Condition 2 : The grease has been run out. Please turn off the power supply right away and replenish the grease.


Condition 3 : The internal pump of machine failed. Please change it in accordance with the Parts List (A14~A19).

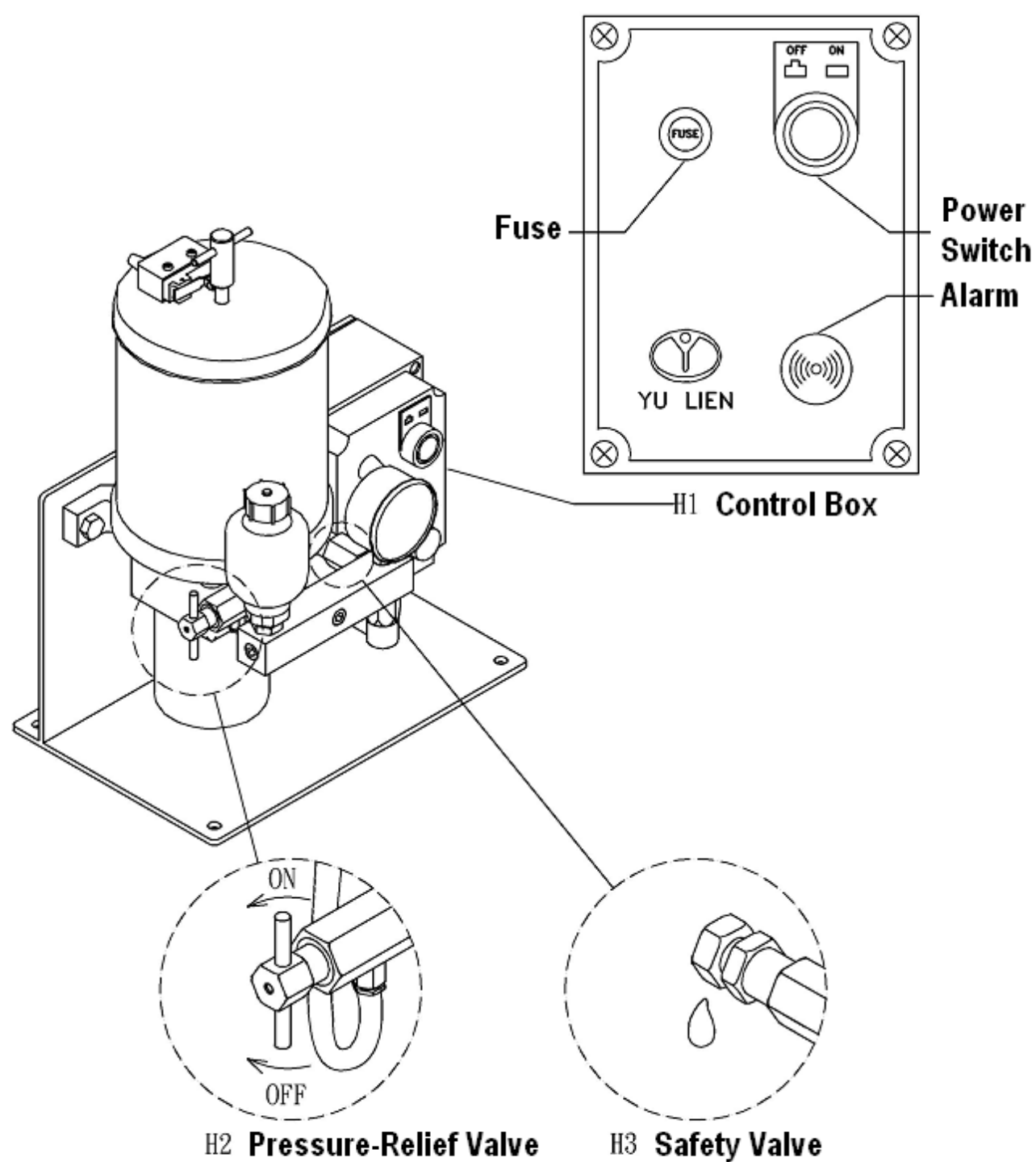
Condition 4 : The grease became hardened due to the extremely frozen temperature. Please replace it with No. 2 grease or softer grease for operation.

Condition 5 : Oil-stirrer (A11) failed to work normally.

Condition 6 : Functions of retaining shaft (A23~A25) were partially disabled or internal parts (B10~B17) might be infiltrated by foreign materials. Please contact service personnel directly.

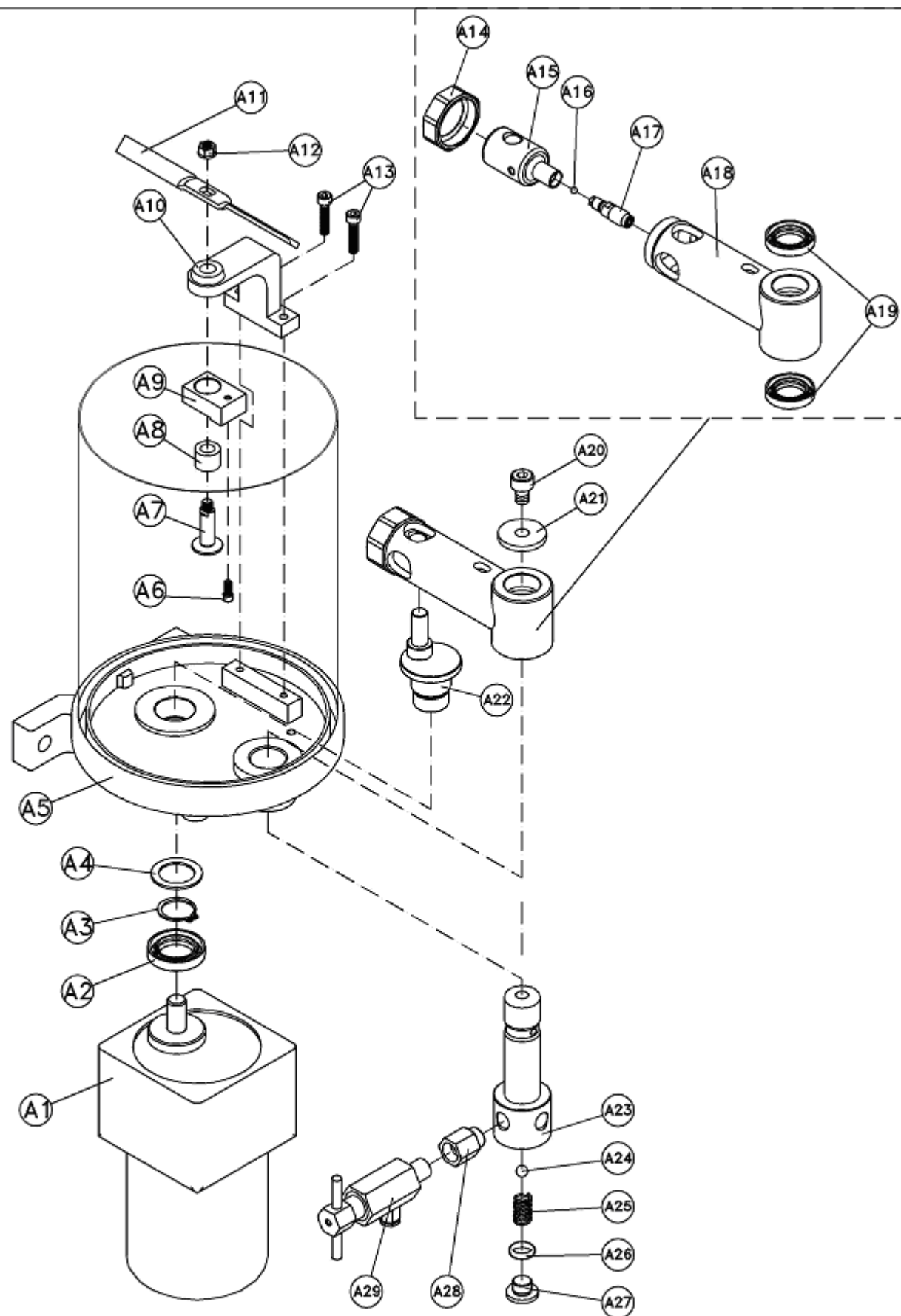
- (6) Be sure to turn off the power supply and finish the pressure relief (reset the pressure to 0 state) when changing the grease.
- (7) To make certain the drum cover is firmly buckled for protection from contamination before the proceeding of operation when charging the machine with grease.
- (8) To keep the safety in order and the warranty in force, make sure the power supply is turned off and pressure is relieved by using a T-screwdriver to loosen the pressure relief valve (H2) to let grease flow back to drum belly when the use of machine is not desired.

- (9)  **CAUTION** If motor was cycle in high frequency during the operation and led to an overheating temperature, please stop the machine and measure the supply volume were enough.
(Standard flow rate : 80cc/min)

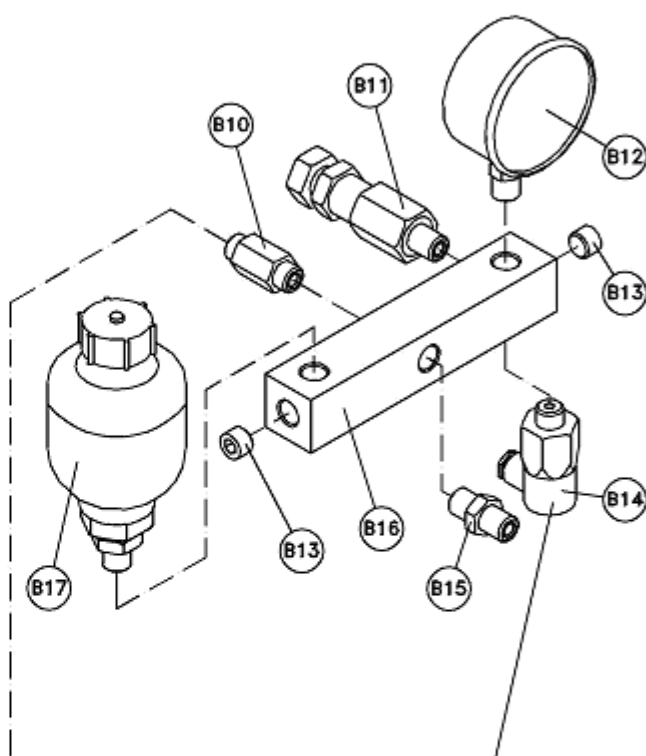
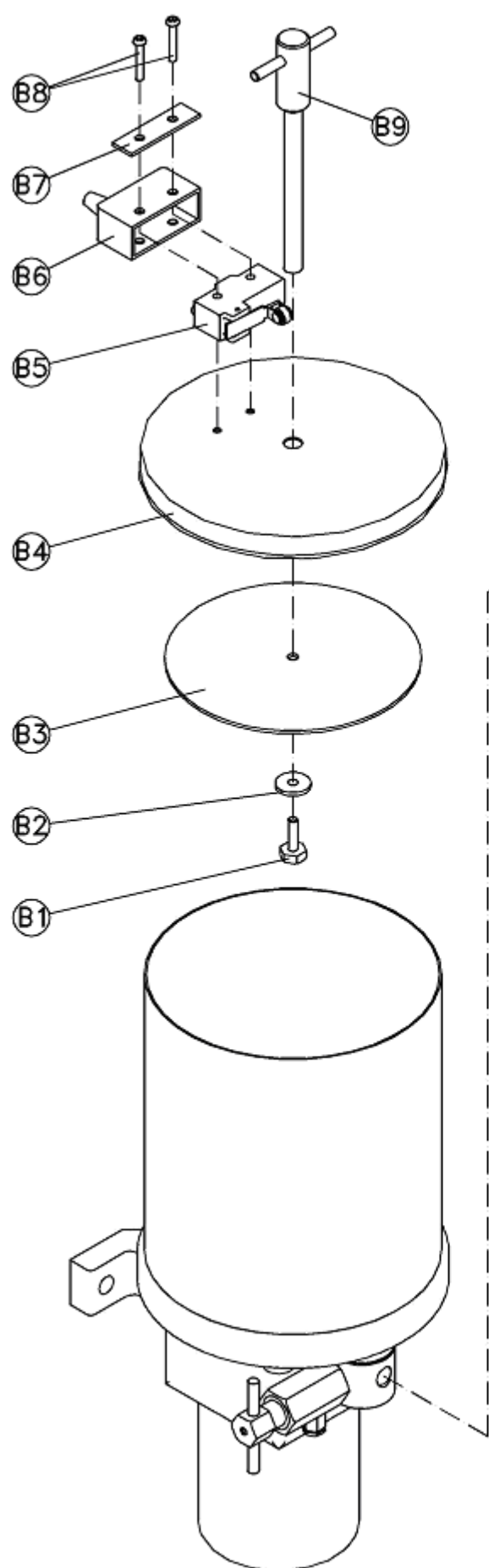


F80-B Parts List

Serial	Name	Quantity	Serial	Name	Quantity	Serial	Name	Quantity
A1	Motor and Reducer	1	A21	Washer W-Mo8x30	1	B1	Screw M5xL10	1
A2	Oil Seal SC22*36*7	1	A22	Drive shaft	1	B2	Washer M5	1
A3	C-Clamp S22	1	A23	Retaining shaft	1	B3	Follower plate	1
A4	Washer M22	1	A24	Steel ball -07.5	1	B4	Drum cover	1
A5	Tank Seat	1	A25	Cone-shaped spring 10.8x0.8xL30	1	B5	Micro-switch OMRON Z-15GW	1
A6	Screw M4*L10	1	A26	O ring P1.9-012	1	B6	Cover for micro-switch AP-Z	1
A7	Sweeping shaft	1	A27	Screw	1	B7	Gasket	1
A8	Single-way bearing	1	A28	Single-way fitting 1/4"pt-L17	1	B8	Screw M4*Po.7*L25	1
A9	Sweeping block	1	A29	Pressure-relief valve	1	B9	Follower plate pole	1
A10	Holder	1				B10	Fitting 1/4"pt-L25	1
A11	Oil-stirrer	1				B11	Safety valve	1
A12	Nut M6	1				B12	Pressure gauge	1
A13	Screw M5xL20	2				B13	Screw 1/4"pt	2
A14	Protective cover for T-pump	1				B14	Pressure Switch	1
A15	Piston	1				B15	Fitting 1/4"pt-L6	1
A16	Steel ball -04	1				B16	Connector	1
A17	Piston ring	1				B17	Pressure accumulator	1
A18	T-pump	1						
A19	Oil seal ISI 22.4x30x5	2						
A20	Screw M8xP1.25xL12	1						



F80-B Assembly A



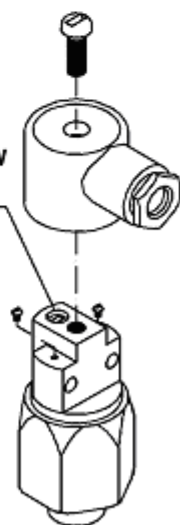
(B14)

Pressure adjustment screw

Please use a tool to adjust

Clockwise to increase

Anti-clockwise to reduce



(B14) Pressure switch adjustment

F80-B Assembly B