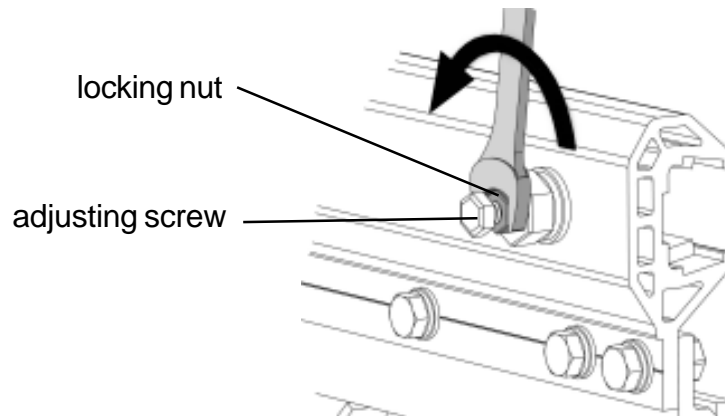
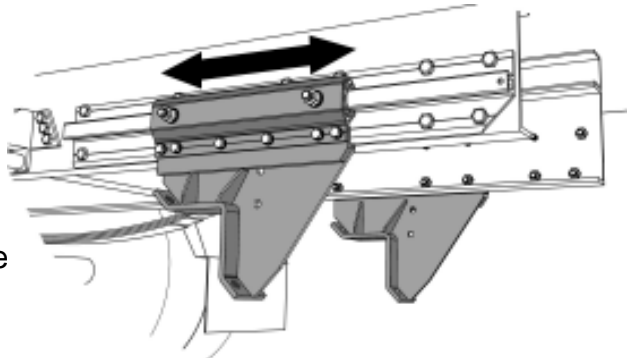
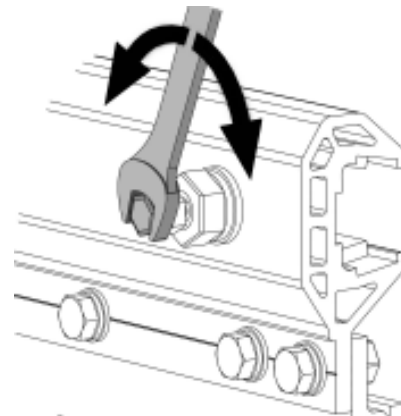


Adjusting Mounting Brackets

- Loosen the locking nut
 - Adjust the easy movement of the mounting brackets by turning the adjusting screw.
- ATTENTION:** The mounting brackets must move easily, but they don't have any clearance.
- Hold the adjusting screw and fasten the locking nut.



Loosen the locking nut



Adjust the sliding bracket

Adjusting Platform Level

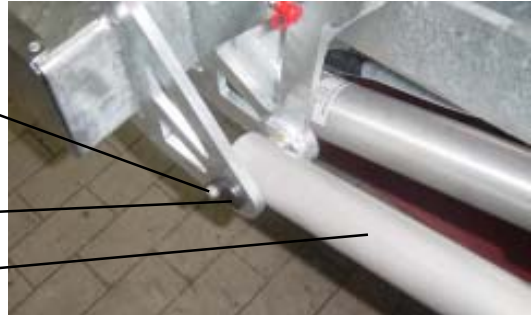
Installing the adjustable lever arm

- Install the adjustable lever arm on left side if it is not mounted.
- Secure the pin with the rip self locking screw.

Self Locking
Screw

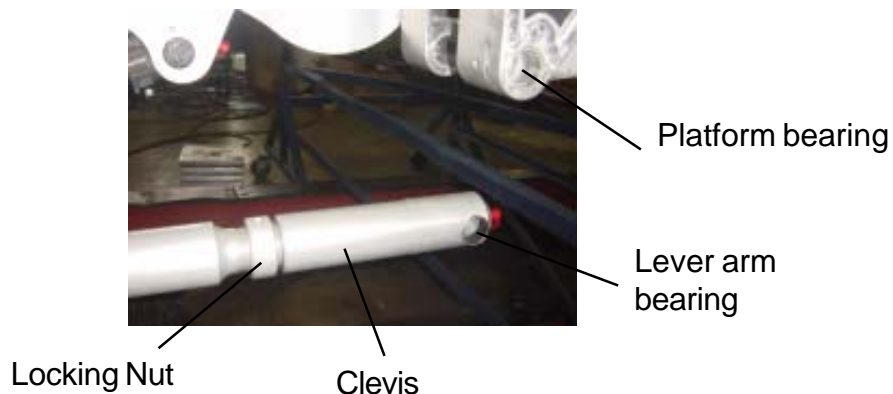
Pin

Lever arm



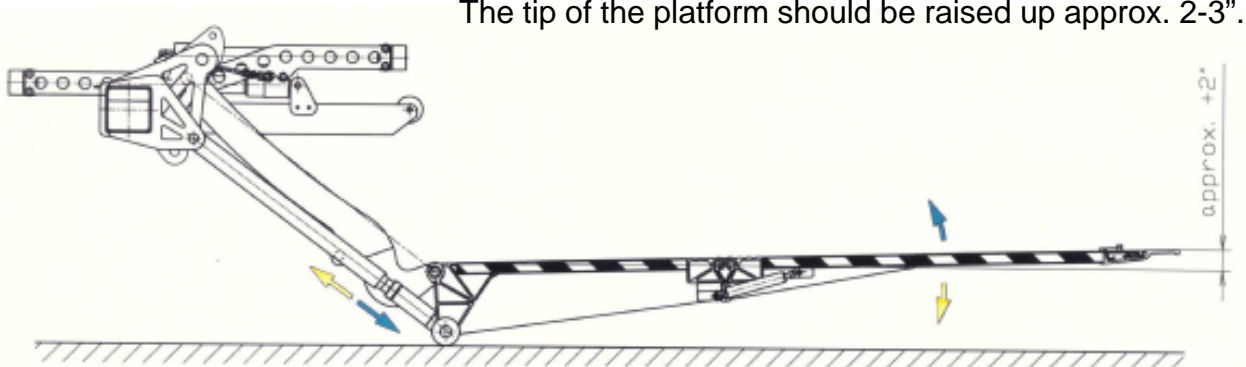
Adjustment of platform:

- Loosen the locking nut from both lever arms to adjust it.
- To adjust the correct platform tilting turn the clevis clockwise to tilt the platform down, or anticlockwise to tilt the platform up.
- Turn the clevis until the desired platform tilting is reached.



Proposal:

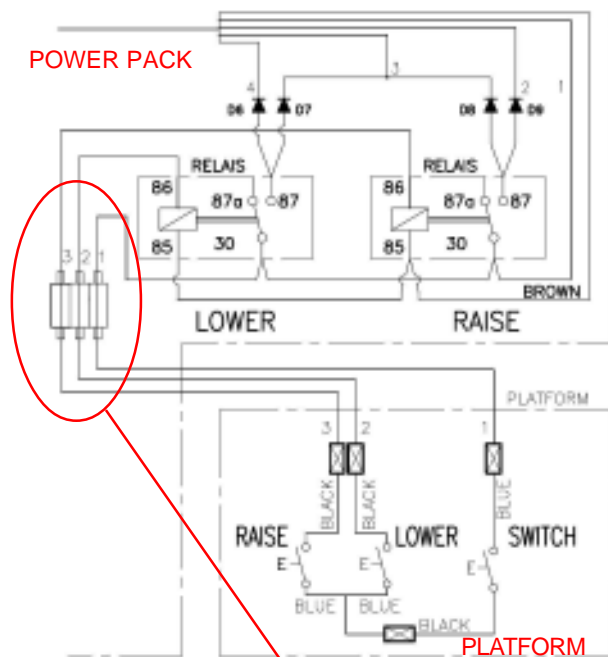
The tip of the platform should be raised up approx. 2-3".



Installing Foot Controls

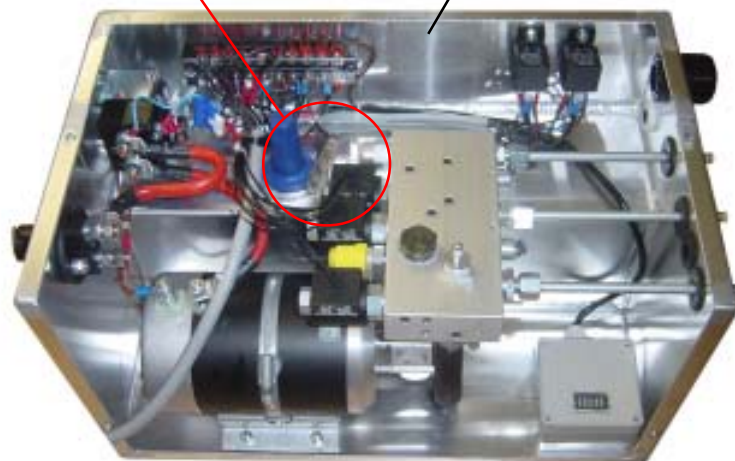
Connect the cables from the platform to the power pack. Secure the cable with hose on the hosting unit as shown in picture below.

Detail from Electrical Wiring Diagram.



Power Pack

Platform



How to adjust the flow control valve

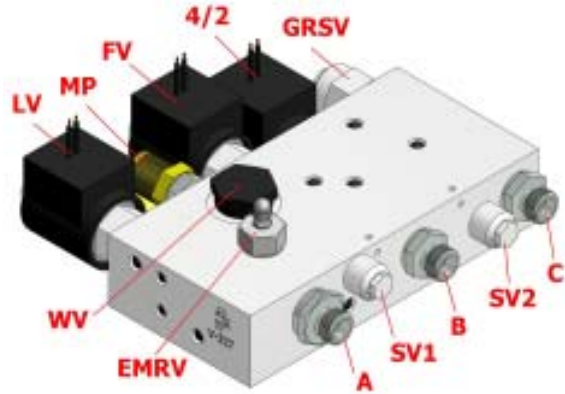
The lifting speed is **not adjustable**.

The extending and retracting speed is **not adjustable**.

The lowering speed is adjusted by the flow control valve. (pos. "EMRV")

How to adjust the flow control valve:

- Be sure the adjustable flow control valves are not closed. To regulate the lowering speed, first loosen the M4 (5/16") nut and adjust it carefully until the correct lowering speed is attained. When the speed is correct, hold the screw in one hand, lock the nut with the other. (max. 1.5Nm = 13lb-in)
- The **lowering speed** should be as follows: Maximum lowering speed should be 6" (150mm) per second. (Maximum lowering speed is 39" in 7 seconds). (1 m in 7 seconds)



How to adjust the relief valve

The hydraulic pressure is adjusted by the relief valves. (pos. "SV1" & "SV2")

How to adjust the relief valves:

The relief valves are sealed at the factory. The seals **must not** be removed unless authorized by the factory. **Warranty is void if seal is broken.**

There are 2 different places to adjust the hydraulic pressure:

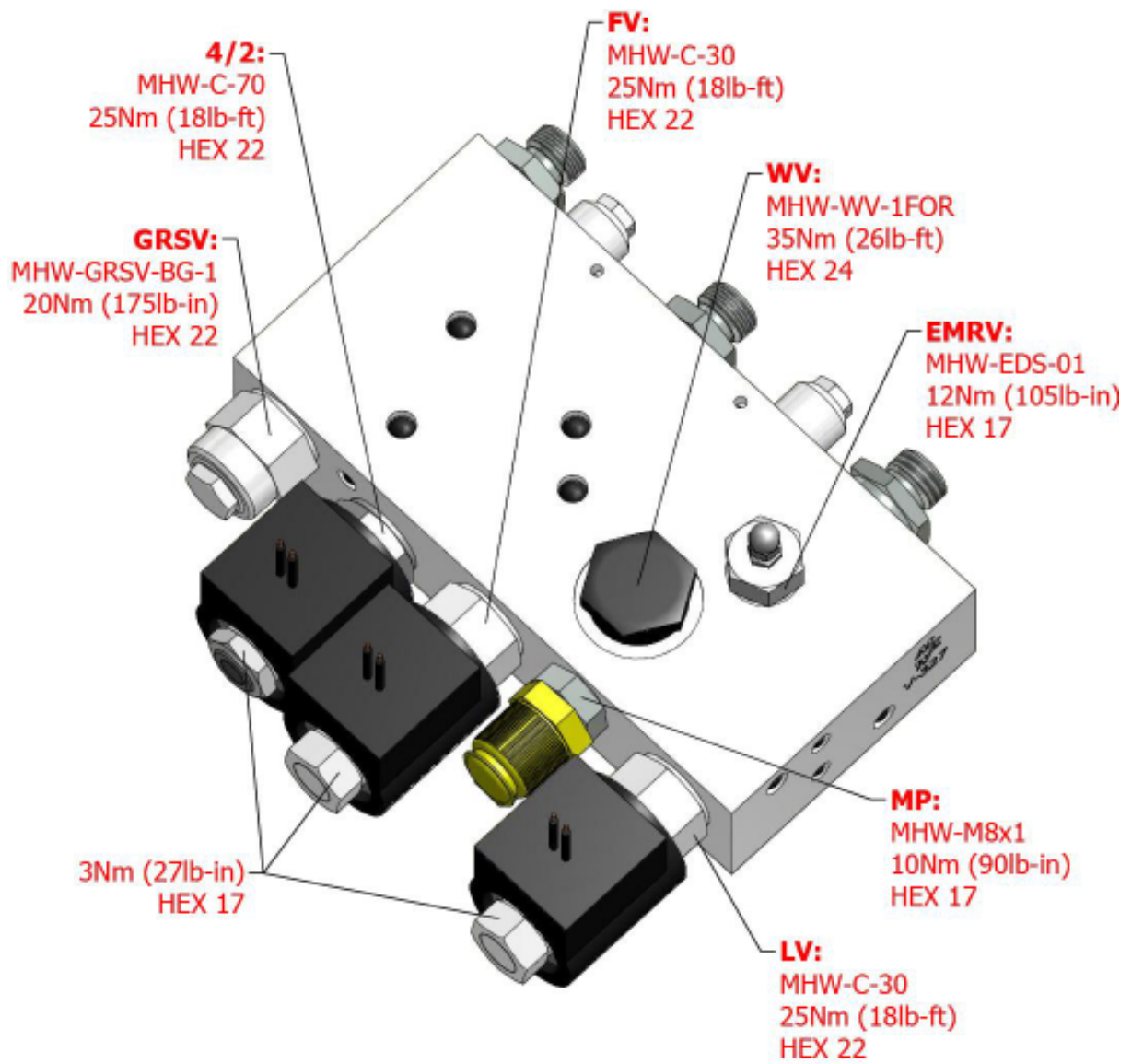
- 1) Relief valve "SV1" is to adjust the **LIFTING & RETRACTING** pressure. Factory setting is 220 bar (3190 PSI).
- 2) Relief valve "SV2" is to adjust the **EXTENDING** pressure. Factory setting is 100 bar (1450 PSI).

All relief valves are adjustable from 50-250 bar (700-3600PSI).

- Adjustment of the relief valve:
 - a) To adjust pressure, a **calibrated pressure gauge is required** and it should be connected at the test point (pos. "MP"). **NOTE: 1Bar equals 14.5PSI**
 - b) Remove the seal and cover from the adjusting nut.
 - c) Turn the adjusting screw with a hex wrench, **clockwise (for higher pressure) or counter-clockwise (for lower pressure)**. Be sure to keep an eye on the pressure gauge. The maximum pressure should be 220 bar (3190 PSI).
 - d) When pressure is correct, lock the cap screw and **check the pressure again** to be sure it has not changed. Seal the cover.

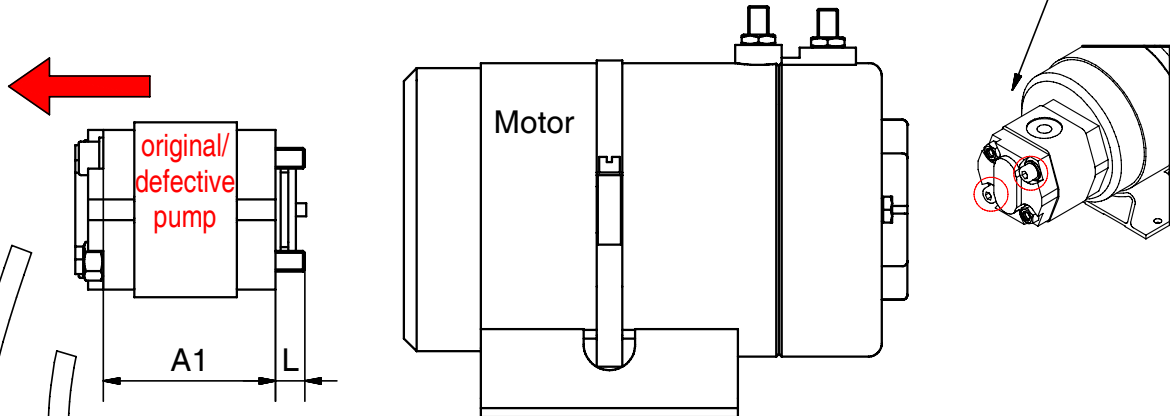
Caution: Never bottom the relief valve. The power pack and/or hydraulic system could be damaged.

TECHNICAL DESCRIPTION MAXIMUM TORQUES

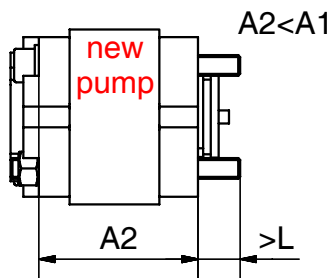


HOW TO CHANGE THE HYDRAULIC PUMP

- Remove the 2 screws to dismantle the original/defective pump.

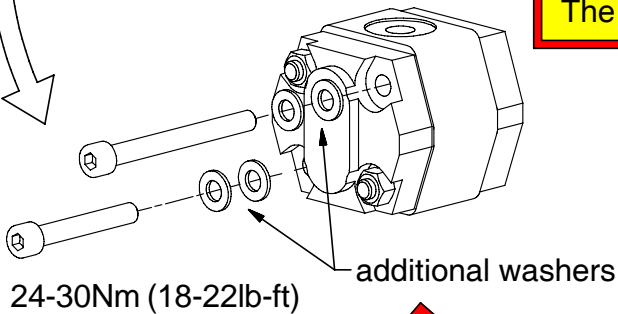


- If new and original/defective pump are not the same type, compare the measurement "A2" of new and the measurement "A1" of original/defective pump.

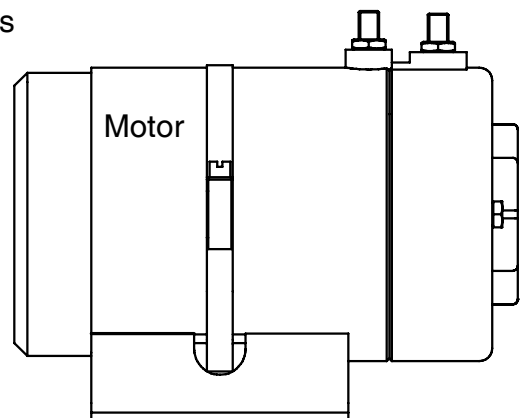
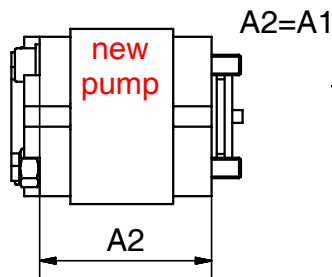


- If "A2" of the new pump is shorter than "A1" of the original/defective pump, additional washers must be placed to get the right screw length.

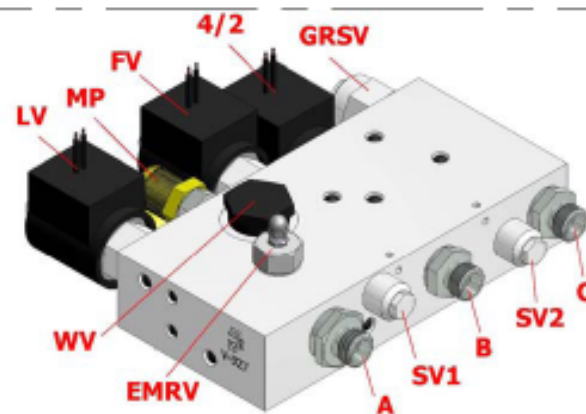
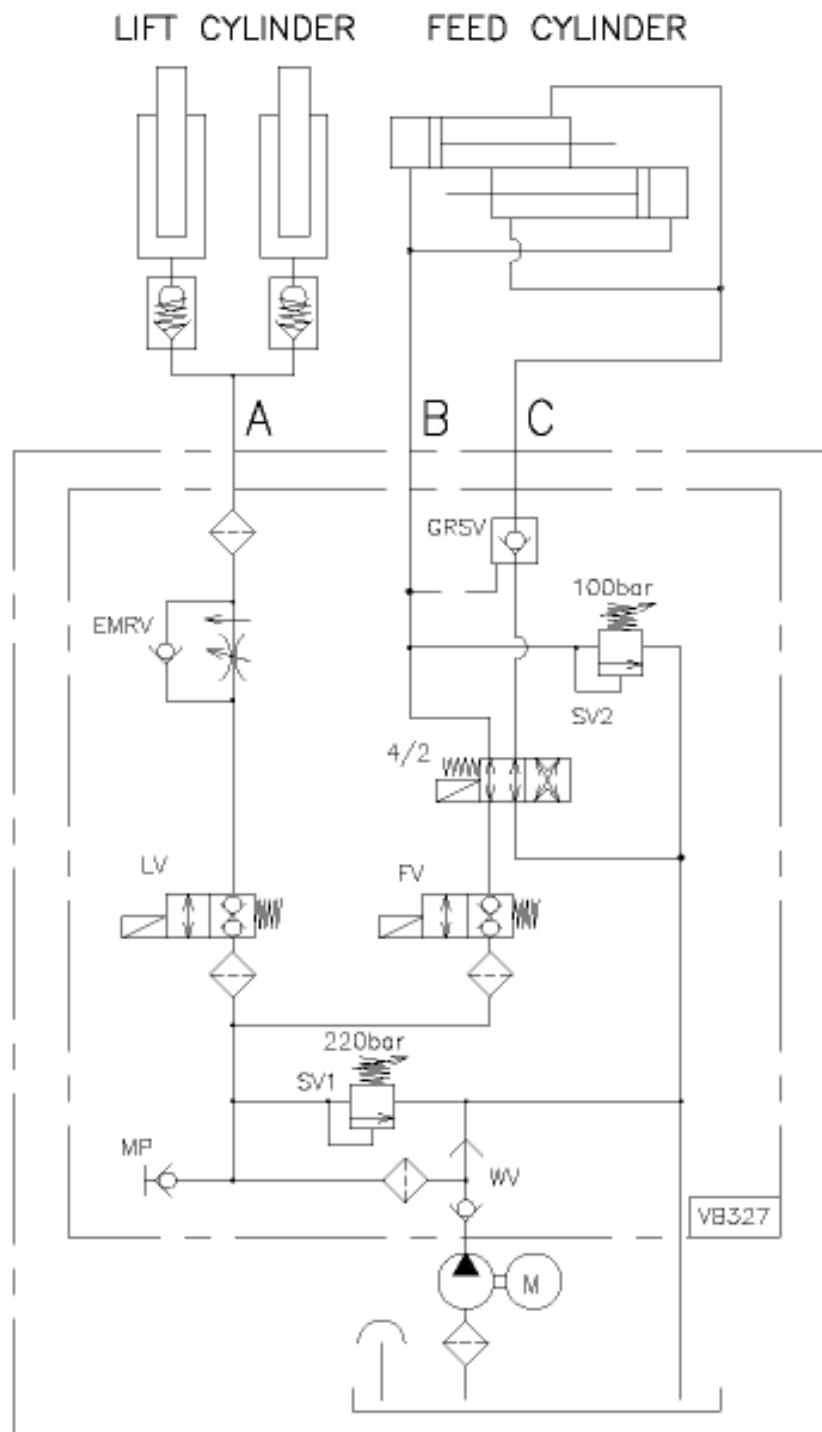
- ATTENTION: If measurement "L" is too long, the pump will not tighten on the motor. The new pump will be destroyed again!



- If the screw length is correct, mount the new pump.



HYDRAULIC SCHEMATIC



ELECTRIC WIRING DIAGRAM

