FORM 2078 LT70HD DCS AUXILIARY HYDRAULIC POWER UNIT

The DCS auxiliary hydraulic power unit supplied in this kit replaces the existing hydraulic pumps on the DCS sawmills.

Part No. 074793

Item	Description	Part No.	Qty.
	Kit, Stand Alone Hydraulic Power Unit	074793	1
1	Fitting, 1/4NPT-3/8 Barb	014685	1
2	Fitting, 3/8O-Ring-3/8JIC	014687	1
3	Fitting, 3/8JIC-1/4NPT Str	015560	1
4	Fitting, 1/4JIC Plug	016817	2
5	Fitting, 6SAE-1/4NPT Elbow	025744	1
6	Unit, 3.8GPM Hydraulic Power	074794	1
7	Fitting, 1/4NPT Male Run Tee	P09141	1
8	Inst Sheet: LT70DCS Hydraulic Power Unit	074793-2078	1
9	Fitting, 3/8JIC Swivel Nut 90 Elbow	042756	2
10	Fitting, 8SAE-6JIC	P12703	2

Parts not included with unit (may be ordered from Wood-Mizer):

Item	Description	Part No.	Qty.
1	Hose, 3/8 x180 inch Hyd w/2 St Swivel Fittings	079001-180	2
2	Hose, 3/8” x 240 inch Hyd w/2 St Swivel Fittings	079001-240	2
3	Hose, 3/8” x 300 inch Hyd w/2 St Swivel Fittings	079001-300	2
4	Fluid, Hydraulic HVI32 All Weather (1Gal)	006397	15
5	Filter, Hydraulic Stand Alone Unit	061175	1

DANGER! Hazardous voltage inside the disconnect box, electrical control boxes, and at the electric motor can cause shock, burns, or death. Disconnect and lock out power supply before servicing! Keep all electrical component covers closed and securely fastened during mill operation.

WARNING! Before performing service near moving parts such as blades, pulleys, motors, belts and chains, first turn the machine off and perform the lockout procedure. If the machine is turned on and moving parts activated, serious injury may result.

IMPORTANT! This unit requires 230 single phase 30 amp fusible power. Wood-Mizer does not provide any electrical components for this upgrade. Please seek assistance of a qualified electrician for installation in compliance with local electrical codes.

Electric Motor Specification	
Horsepower	5
Hz	60
RPM	1740
Volts	230
SF	1.00
SF amps	-
NOM EFF	81
Frame	184TC
Design	L
AMB	40 C
INS	F4
PH	1
ENCL	TEFC
Code	H
Duty	CONT

Installation Instructions

1. Open the fuse box located next to the battery box.
2. Permanently remove the top 450A fuse for the hydraulic pumps from the fuse box.
3. Close and secure the fuse box.

See Figure 1.

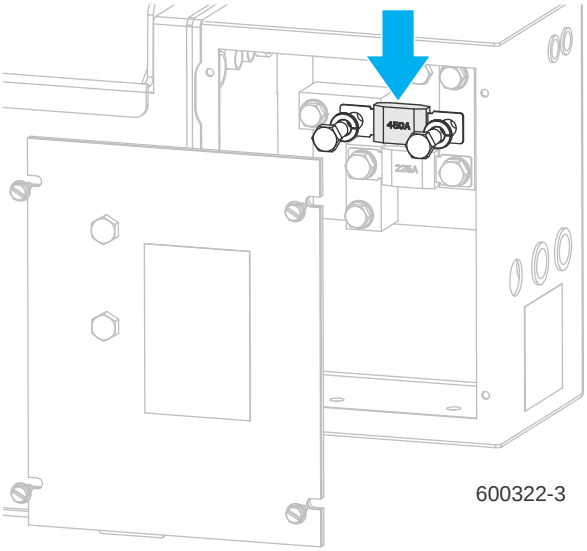

FIGURE 1

4. Remove the cover from the hydraulic pump box.

5. Locate the proportional flow control valve (PFCV) installed to the side of the box. If necessary, remove the valve mount bolts to provide better access to the valve.

   See Figure 2.

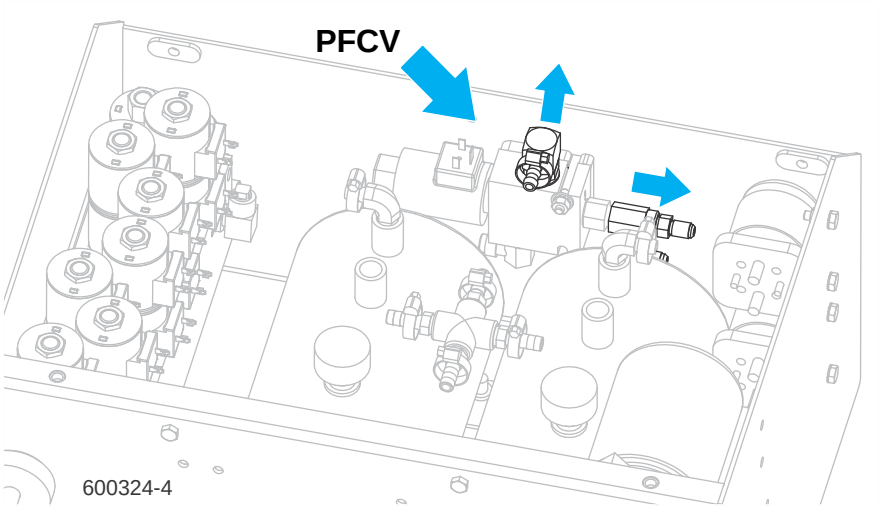

FIGURE 2

6. Remove the side hoses from the PFCV and plug them with the plugs provided. Set these hoses aside as they will no longer be used.

   See Figure 3.

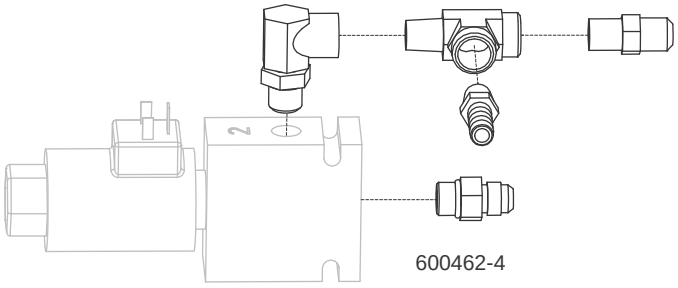

FIGURE 3

7. Remove the top hose from the PFCV.

8. Do NOT remove the bottom hose from the PFCV.

9. Remove the existing top and side fittings from the PFCV.

10. Install the provided T-, elbow and straight fittings to the top of the PFCV as shown in figure 3.

11. Connect the provided straight fitting to the side of the PFCV.

See Figure 4.

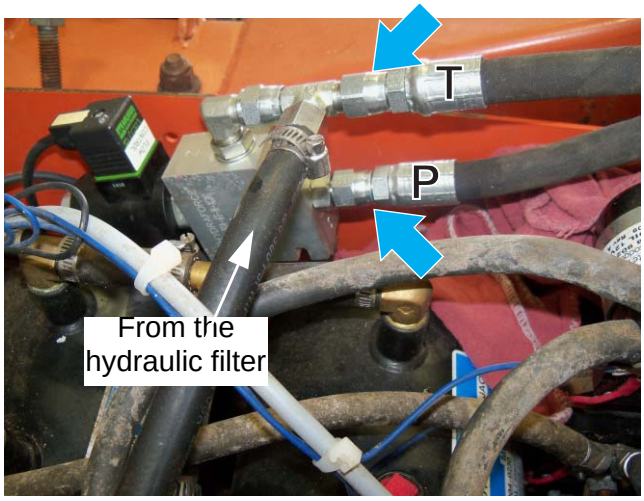

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FIGURE 4

12. Disconnect the hose from the hydraulic filter inlet that comes from the manifold return. Connect that filter hose to the top T-fitting on the PFCV.

13. Connect the hose previously disconnected from the PFCV top fitting to the hydraulic filter.

14. Connect the two hoses **P** (pump) and **T** (tank) of the new auxiliary hydraulic power unit to the fittings on the PFCV as shown in figure 4.

15. Remount the PFCV to the pump box with the existing hardware.

16. If necessary, cut the hole(s) in the side of the hydraulic pump box and route the hoses to the auxiliary hydraulic power unit.

17. Remove the shipping plugs from the auxiliary hydraulic power unit manifold ports "P" and "T."

18. Assemble the provided fittings as shown in figure 5. Connect the hoses to the auxiliary hydraulic power unit.

See Figure 5.

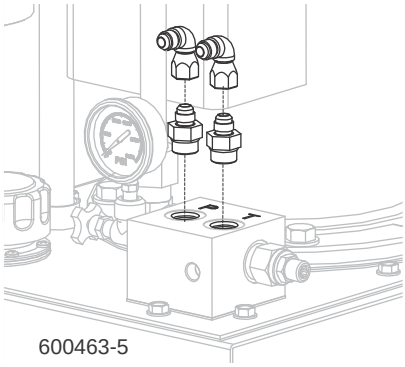

FIGURE 5

19. Connect the hose from port "P" on the PFCV to port "P" on the power unit hydraulic manifold.

20. Connect the hose from port "T" on the PFCV to port "T" on the power unit hydraulic manifold.

21. Secure the cover to the hydraulic pump box.

See Figure 6.

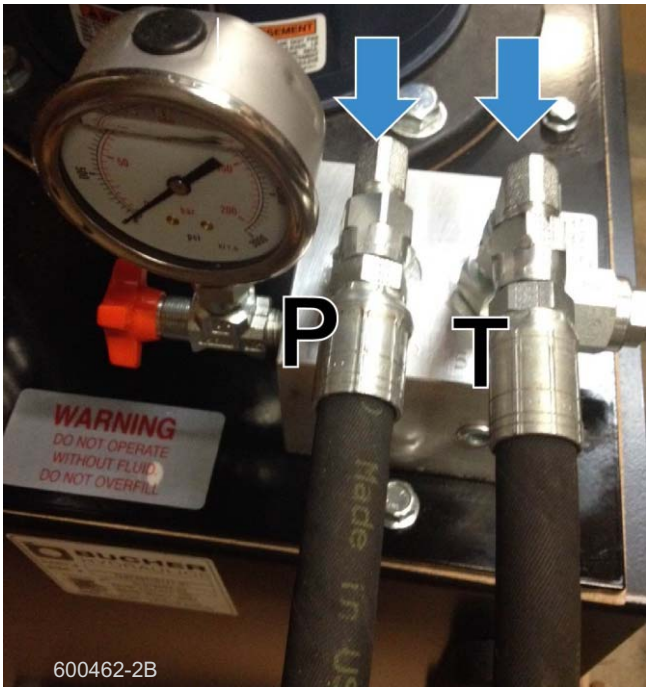

FIGURE 6