

POWER BEYOND CONVERSION

10/15/98
(800569)

All J&M vibrator power units are equipped with the ability to power external hydraulic equipment from the power unit clamp pump (Example = hydraulic spotter, pile gates). To utilize this feature, a PBY Kit must be installed in the power unit. This kit consists of a special clamp solenoid valve and a pipe plug.

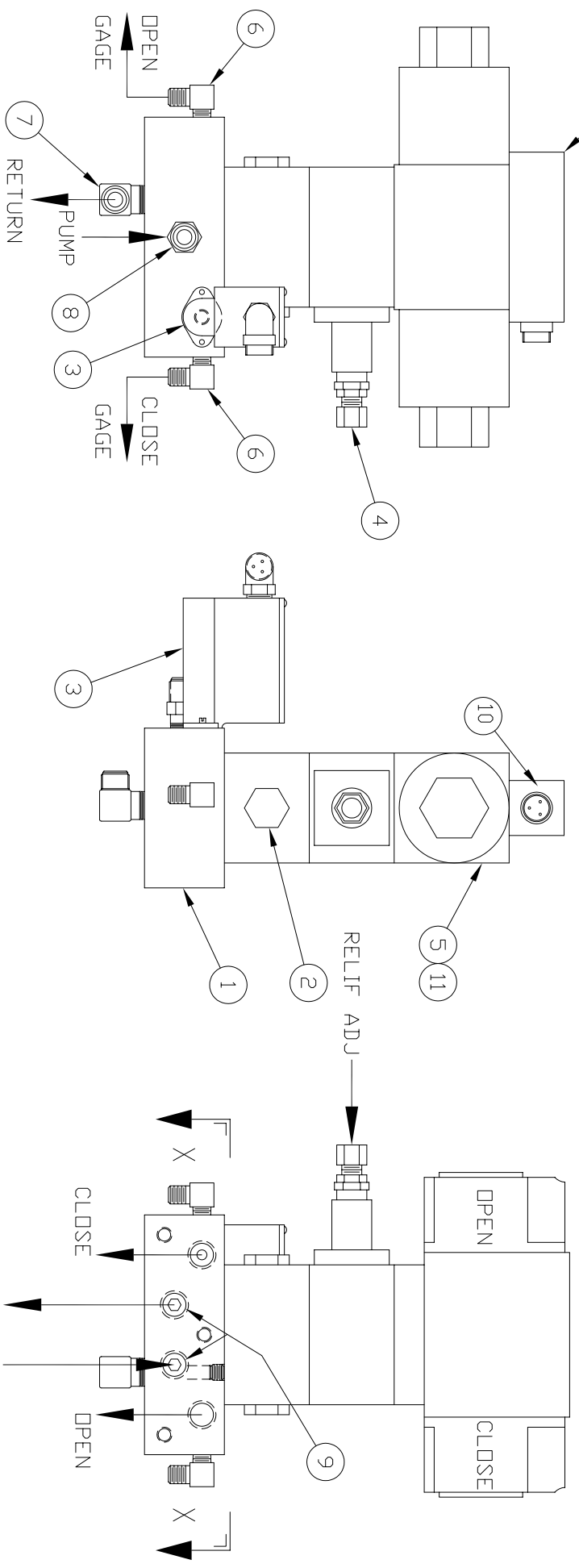
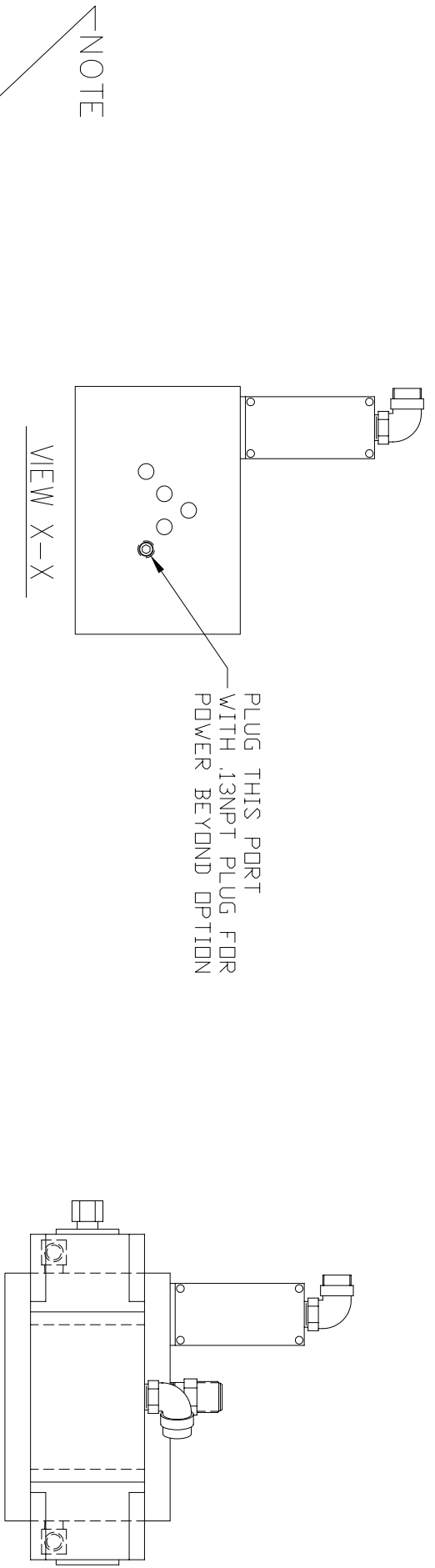
INSTALLATION:

1. Remove all clamp valves from the manifold, including solenoid valve (110147), PO check valve (110149) and relief valve (100898).
2. Remove the two 3/8" pipe plugs on outside of manifold, between "close" and "open" disconnects. See diagram for location of "PBY supply" and "PBY return" ports.
3. Connect supply and return hoses from External Auxiliary Valve to "PBY supply" and "PBY return" ports on clamp manifold. (SEE CAUTION BELOW).
4. Install 1/8" pipe plug (100646) in tapped port on top of clamp manifold. Be sure that pipe plug is inserted until it is flush with, or below, top surface of manifold.
5. Replace standard clamp solenoid valve with PBY solenoid valve (110210), and reassemble clamp valve stack onto manifold.
6. Start engine and set relief valve in External Auxiliary (PBY) Valve.

CAUTION: WHEN EXTERNAL AUXILIARY VALVE IS DISCONNECTED FROM POWER UNIT, RE-ASSEMBLE CLAMP MANIFOLD IN ITS ORIGINAL CONFIGURATION, OR INSTALL JUMPER HOSE BETWEEN "PBY SUPPLY" PORT AND "PBY RETURN" PORT. FAILURE TO DO SO WILL CAUSE IMMEDIATE PUMP DAMAGE.

CAUTION: EXTERNAL AUXILIARY VALVE MUST BE AN "OPEN CENTER" TYPE (i.e. OIL FLOWS FREELY FROM SUPPLY TO RETURN WHEN VALVE IS NOT ACTIVATED), AND MUST HAVE AN INTEGRAL PRESSURE RELIEF VALVE.

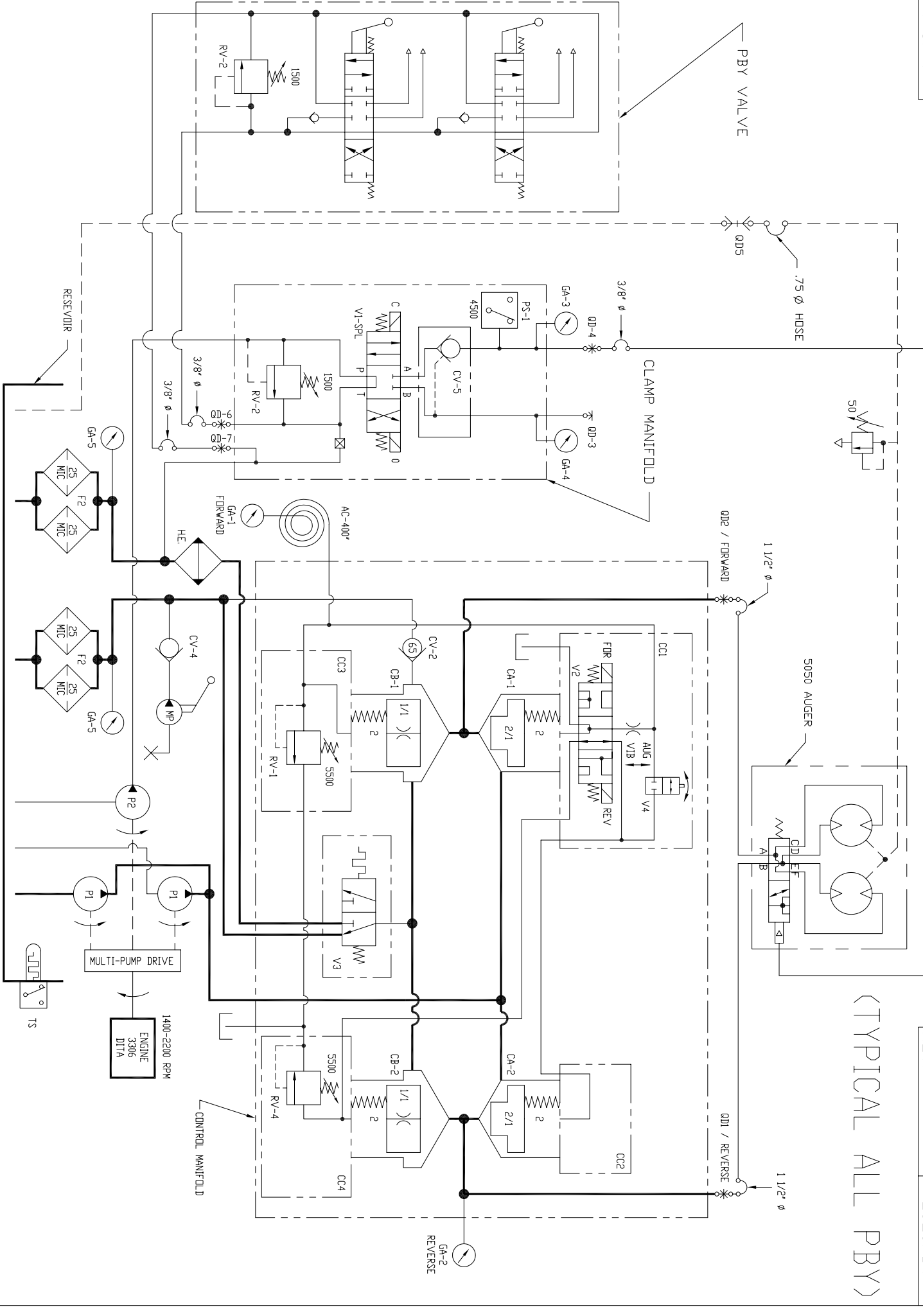
CAUTION: DO NOT ACTIVATE CLAMP SOLENOID VALVE WHEN "EXTERNAL AUXILIARY VALVE" IS IN USE.



(NOTE: SUBSTITUTE VALVE 110210 FOR "POWER BEYOND" APPLICATION)
 MATERIAL: ~
 SCALE: 1:4

DWN. BY: SEG	DATE: 11-30-95	MODEL 335 POWER UNIT	DESCRIPTION CLAMP MANIFOLD ASM	VIEW	HYDRAULIC SYSTEMS, INC. 4063 LIBERTY AVENUE PITTSBURGH, PA 15224
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(TYPICAL ALL PBY)



DWN. BY: KSE	DATE: 5/22/01	325 POWER UNIT W/76 AUGER/PBY	DESCRIPTION: HYDRAULIC SCHEMATIC	VIEW:	SCALE: NONE	HYDRAULIC SYSTEMS, INC. 4063 LIBERTY AVENUE PITTSBURGH, PA 15224
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MATERIAL: