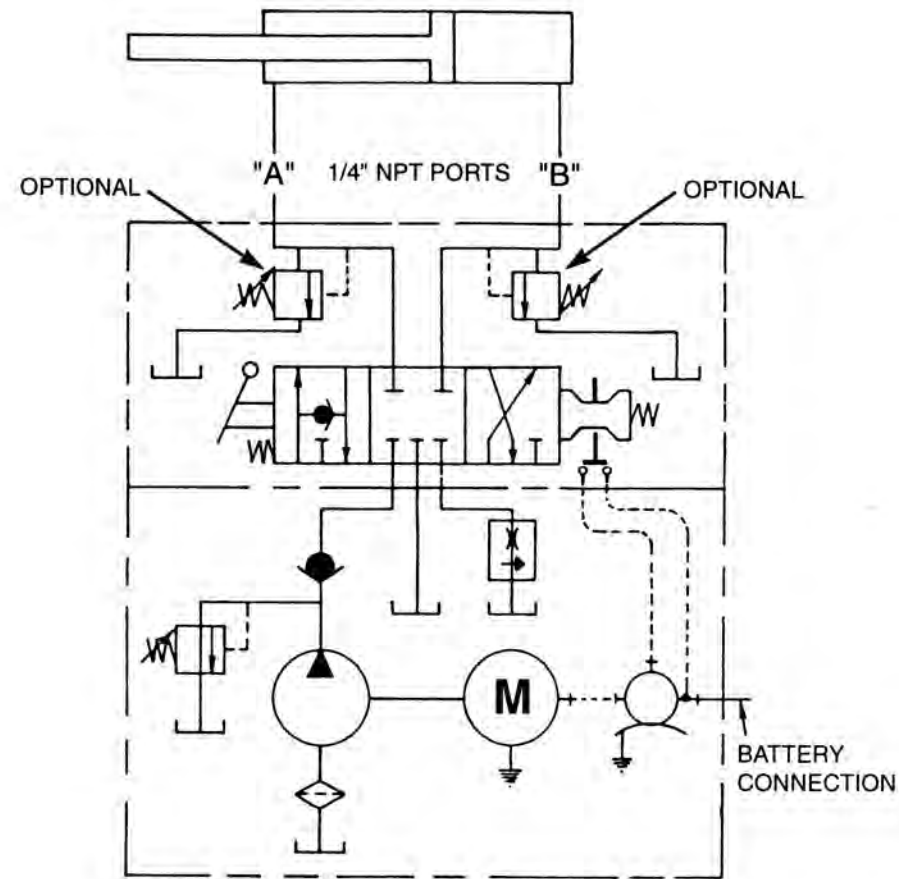
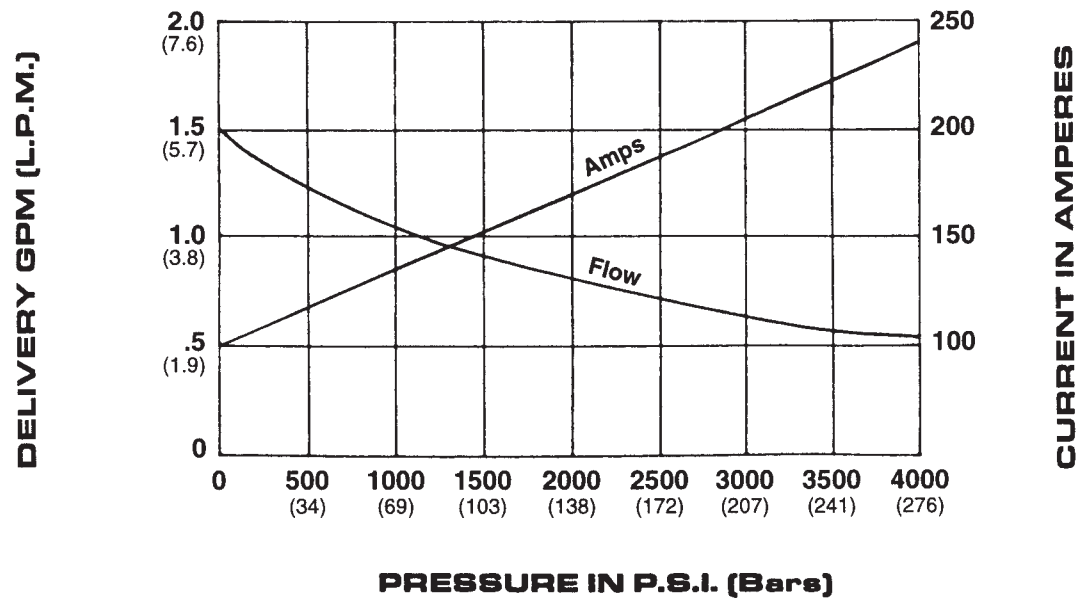


## 12 VDC RECYCLE HOIST SYSTEMS



**PERFORMANCE CURVE 12 VOLT D.C.**  
*(Actual Test Values)*



**Williams** MACHINE & TOOL

204 Plastic Lane • Monticello, Iowa 52310-9472  
Phone 319-465-3537

Form 2499  
Rev. 04/2013

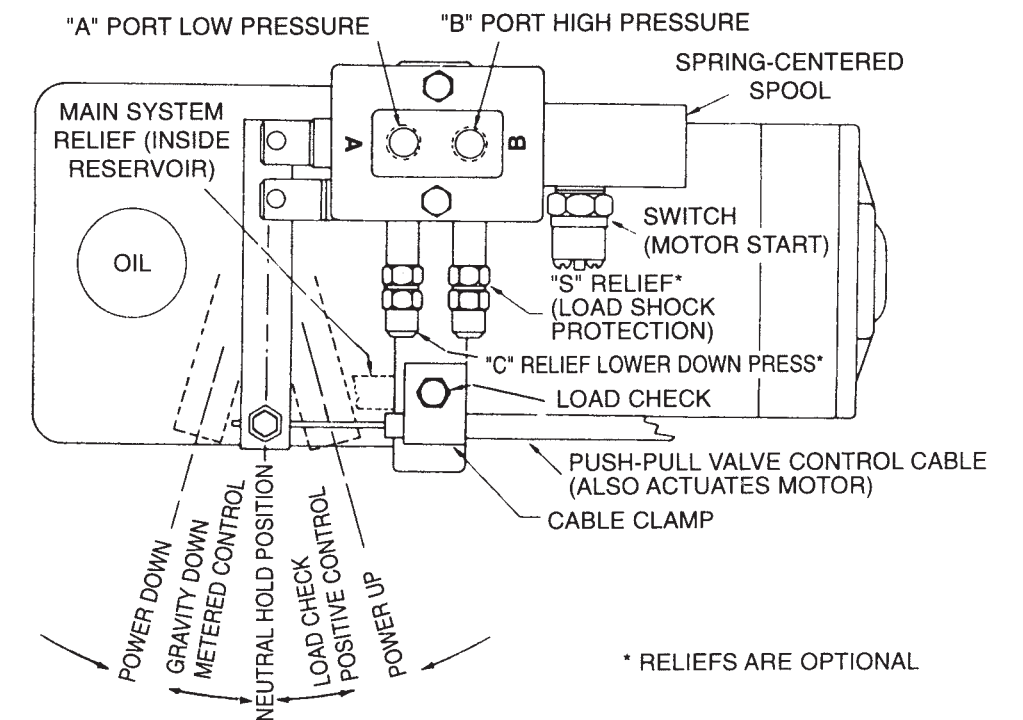
## OPERATING INSTRUCTION

**Williams**®  
**MACHINE & TOOL**

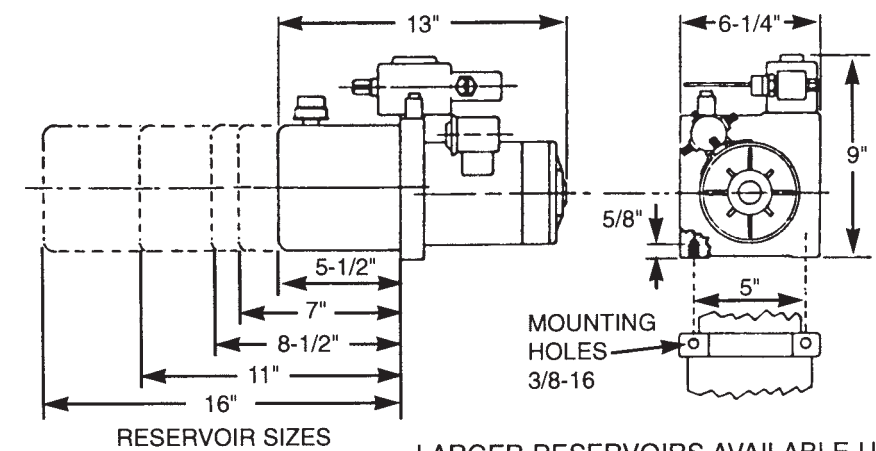
This 12VDC pump unit is designed to be operated with a push-pull control cable. All wiring is complete except for your battery connection.

May be used as double-acting or single-acting according to lever position.

### GRAPHIC VIEW



### DIMENSIONS

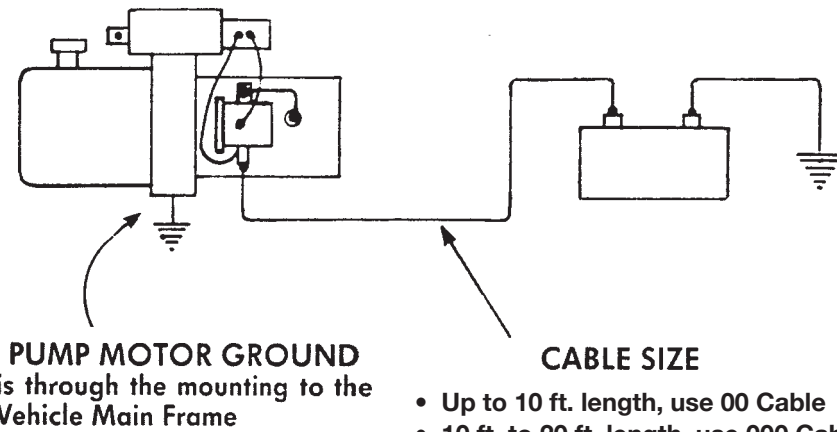


LARGER RESERVOIRS AVAILABLE UPON REQUEST

## MOUNTING INSTRUCTIONS

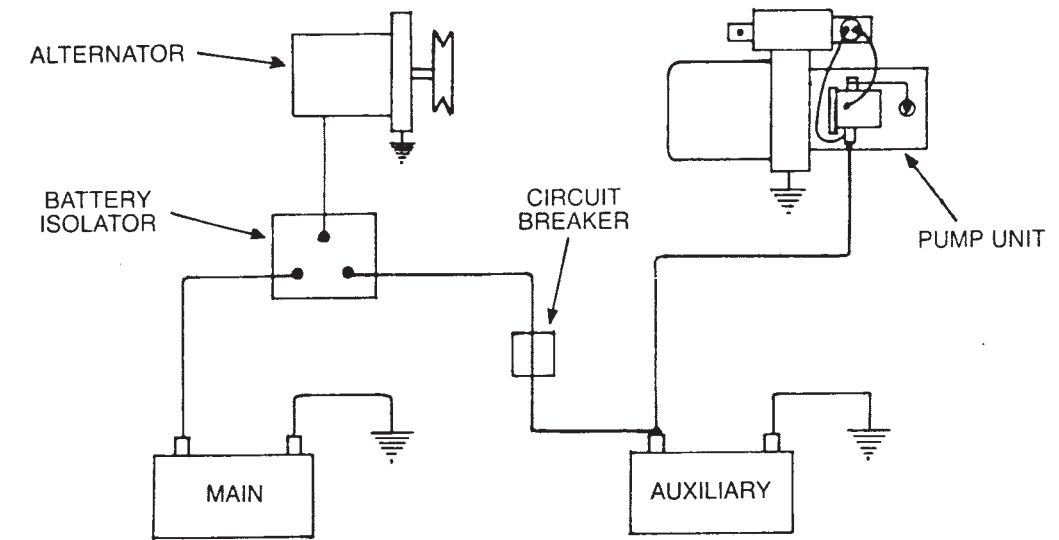
1. Securely mount pump unit to the vehicle where a suitable ground can be maintained through the mounting.
2. A copper stranded automotive battery cable of sufficient size must be used to get full power from the battery.
3. Fill reservoir and completely charge all components by cycling the system several times under no load, to ensure that all air is removed.

(Single line systems require a bleed-off point)

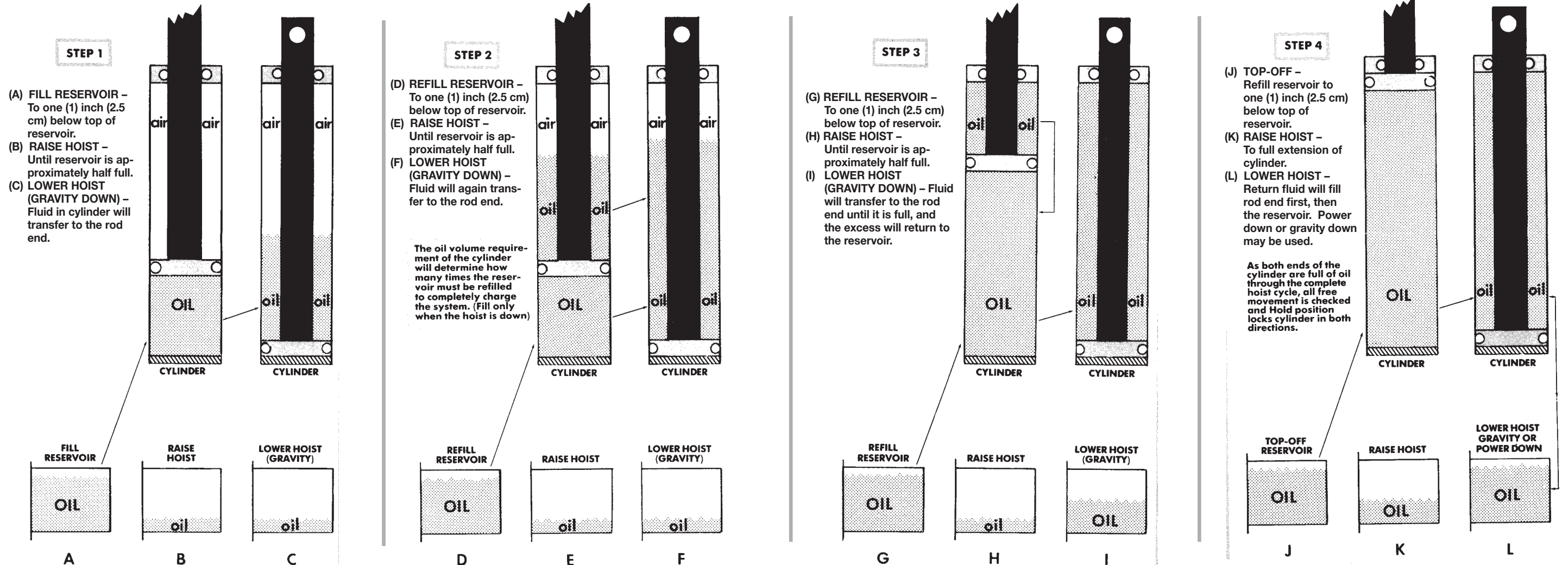


## OPTIONAL AUXILIARY BATTERY CIRCUIT

To ensure that the Main Battery cannot be drained through the use of Auxiliary Equipment.



## TO CHARGE THE <sup>RECYCLE</sup> HOIST SYSTEM WITH HYDRAULIC FLUID AFTER HOIST INSTALLATION IS COMPLETED AND READY FOR OPERATION



**CYLINDER ROD DISPLACEMENT VOLUME DETERMINES THE RESERVOIR SIZE REQUIRED FOR A GIVEN HOIST**