



# ABRIDGED OPERATING INSTRUCTIONS

## Precision Leveling System

### Manual Jack Operation with Auxiliary Hand Pump

#### Straight-Acting, power-extend/power-retract jacks

**WARNING!** KEEP AWAY FROM WHEELS, DO NOT CRAWL UNDER THE VEHICLE, KEEP A SAFE DISTANCE IN FRONT AND REAR OF THE VEHICLE. THE VEHICLE MAY DROP AND / OR MOVE FORWARD OR BACKWARD WITHOUT WARNING AS THE VALVE RELEASE IS OPERATED.

### AUXILIARY HAND PUMP OPERATION

The auxiliary hand pump can be used to extend or retract the jacks anytime the pump will not function.

The auxiliary hand pump is a two stage pump that will produce enough pressure to extend the jacks and lift the vehicle as well as retract the jacks. When operating the auxiliary pump to lift the vehicle or when the jacks are fully retracted, the pump handle will seem to "snap" as the pump goes to the second stage. The pumping action will be easier at first as the second stage starts to create more pressure.

**NOTE: The hand pump will swivel to any position which will ease the operation of the hand pump.**

To operate the auxiliary hand pump, open the appropriate solenoid valve(s). Insert the hand pump handle into the handle receptacle and move the handle in an up and down motion.

### EXTENDING JACKS

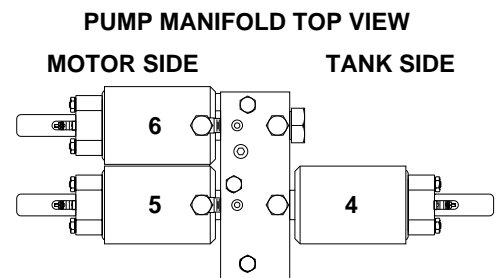
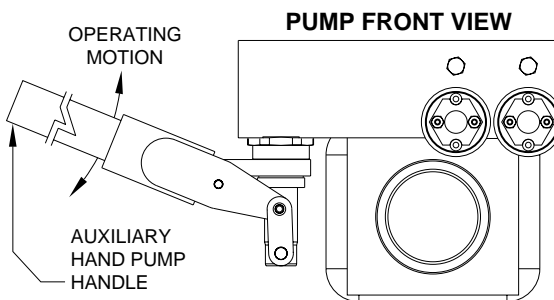
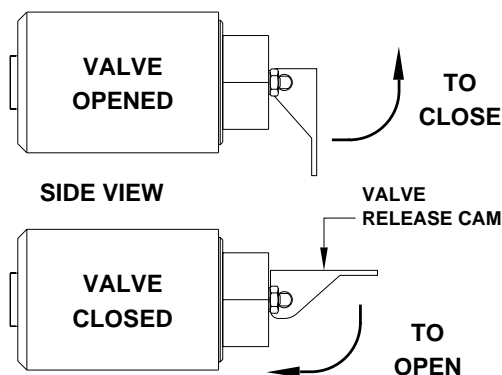
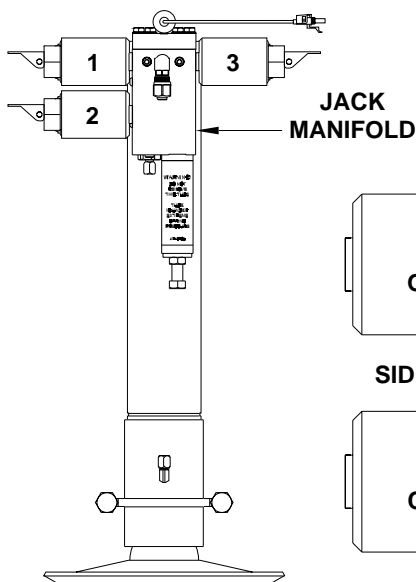
Use valve release cam to open and close valves.

Open valves #1 and #2 on the jack manifold for the jacks that are to be extended.

**NOTE: It is best if jacks are extended in pairs; both front, both rear, right front and right rear or left front and left rear.**

Open the #5 valve on the pump manifold. Operate the hand pump in an up and down motion. When the jacks are extended as needed, close the #5 valve.

Close the #1 and #2 valves for the jacks that were extended.



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### RETRACTING JACKS

**WARNING:** Do not crawl under the vehicle to open jack manifold valves. Allow ample room for the vehicle to move in any direction when a jack manifold valve is opened. Open the valve release cams slowly to keep the vehicle from dropping rapidly. Vehicle will drop when the #3 jack manifold valve is opened.

Opening the #3 jack manifold valve slowly will allow the vehicle to drop slowly.

Alternate between all four jacks to lower the vehicle in as level a position as is possible. When there is no weight on a jack, the #3 valve can be opened completely.

**IMPORTANT: If the vehicle is on a severely unlevel surface, do not allow the vehicle to drop more than 1 to 2 inches before moving to a different jack.**

With the weight of the vehicle off all the jacks, make sure the #3 jack manifold valve is completely open for all jacks.

Go to the pump / manifold assembly and open the #4 manifold valve.

Pump the auxiliary hand pump until all four jacks are completely retracted.

Close the #4 manifold valve and the #3 valve at each jack manifold.



# ABRIDGED OPERATING INSTRUCTIONS

## Precision Leveling System

### Manual Jack Operation with Pump Toggle Switch

### Straight-Acting, power-extend/power-retract jacks

## WARNING!

KEEP AWAY FROM WHEELS, DO NOT CRAWL UNDER THE VEHICLE, KEEP A SAFE DISTANCE IN FRONT AND REAR OF THE VEHICLE. THE VEHICLE MAY DROP AND / OR MOVE FORWARD OR BACKWARD WITHOUT WARNING AS THE VALVE RELEASE IS OPERATED.

### EXTENDING JACKS

Use valve release cam to open and close valves.

Open valves #1 and #2 on the jack manifold for the jacks that are to be extended.

**NOTE:** It is best if jacks are extended in pairs; both front, both rear, right front and right rear or left front and left rear.

Locate the PUMP RUN toggle switch on the pump manifold bracket.

Open the #5 valve on the pump manifold. Push the pump toggle switch to PUMP RUN. When the jacks are extended as needed, release the pump toggle switch and close the #5 valve.

Close the #1 and #2 valves for the jacks that were extended.

**IMPORTANT:** DO NOT hold the pump toggle switch to "PUMP RUN" for more than 4 minutes without allowing the pump motor to cool.

### RETRACTING JACKS

**WARNING:** Do not crawl under the vehicle to open jack manifold valves. Allow ample room for the vehicle to move in any direction when a jack manifold valve is opened. Open the valve release cams slowly to keep the vehicle from dropping rapidly. Vehicle will drop when the #3 jack manifold valve is opened.

Opening the #3 jack manifold valve slowly will allow the vehicle to drop slowly.

Alternate between all four jacks to lower the vehicle in as level a position as is possible. When there is no weight on a jack, the #3 valve can be opened completely.

**IMPORTANT:** If the vehicle is on a severely unlevel surface, do not allow the vehicle to drop more than 1 to 2 inches before moving to a different jack.

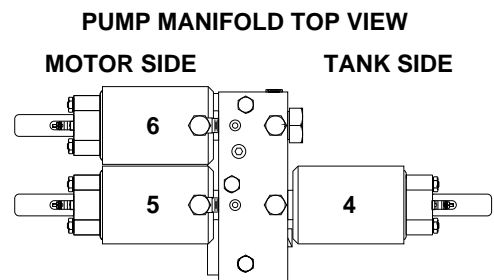
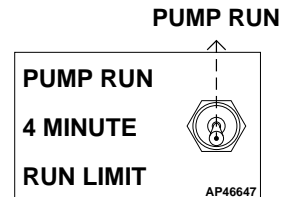
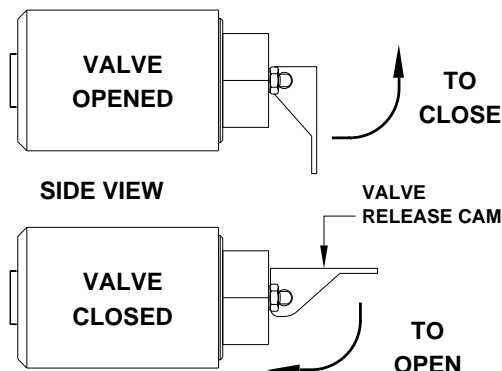
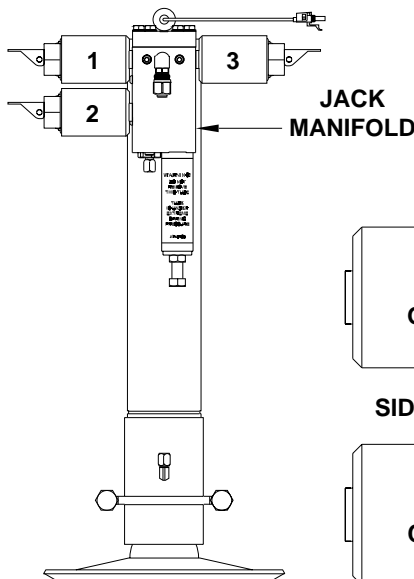
With the weight of the vehicle off all the jacks, make sure the #3 jack manifold valve is completely open for all jacks.

Go to the pump/manifold assembly and open the #4 manifold valve.

Push and hold the pump run toggle switch to "RUN" until all four jacks are completely retracted.

Release the pump run switch and close the #4 valve.

Close the #3 valve at each of the jack manifolds.



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