



Hydraulic Jack Installation and Operation Instructions



HJ-15000-LEG1 left leg shown with
mounting brackets
HJ-15000-LEG2 right leg also available



HJ-15000-LEG direct
weld model

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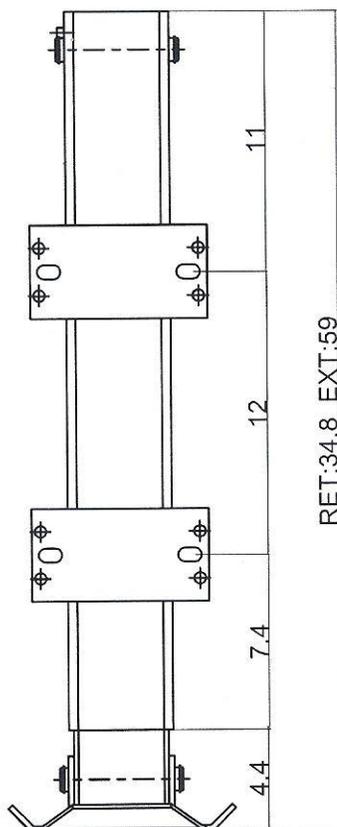
RAM hydraulic jacks are for trailer applications only. They are designed for maximum support of 15,000lb (per leg) and lift capacity of 12,000lb (per leg).

Always load trailer when attached to the tow vehicle.

Pacific Rim International/Pacific Trailer Products is not responsible for damages as a result of improper use, installation and care for product.

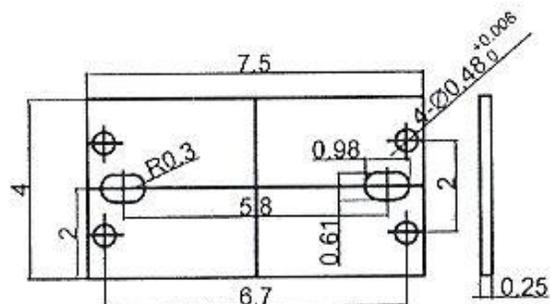
Maximum pump load to not exceed 3200 psi.

Bolt to trailer frame using the mounting bracket locations as it works for your specific application (hardware not included). (For direct weld applications follow ASTM for welding to carbon and low alloy steel tubes. Weld per specific application. Weld however should not exceed 1" from the top of the outer tube nor 1" from the bottom of the outer tube.



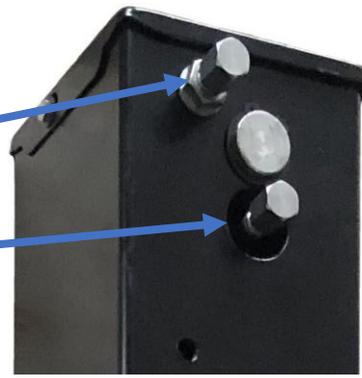
Dimensions in these drawings are in inches.

Bracket dimensions

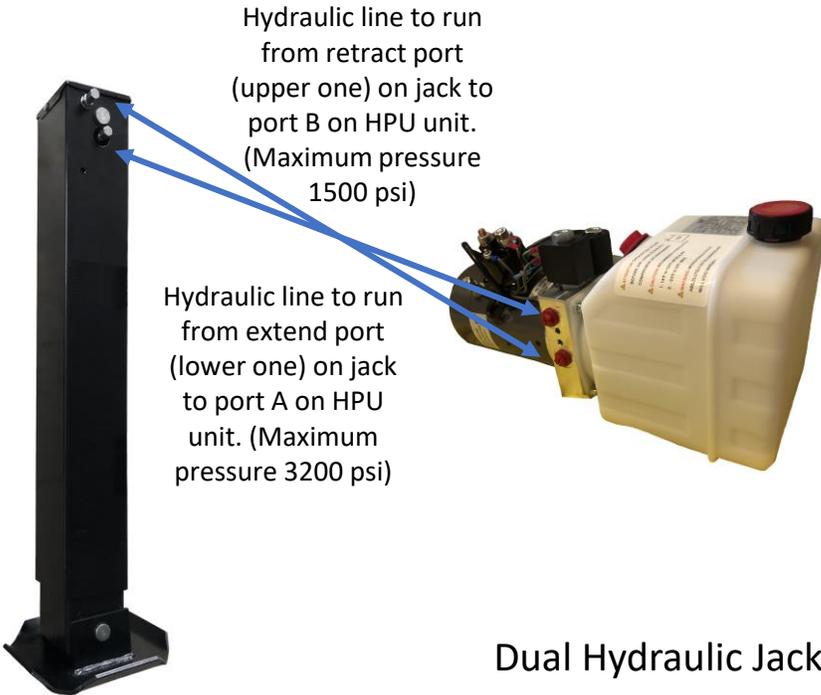


#6 SAE J514 JIC fitting retract port

#6 SAE J514 JIC fitting extend port



Single Hydraulic Jack Application



Up body hose is attached to extend port “raising” on hydraulic jack.

Down body hose is attached to retract port “lowering” on hydraulic jack

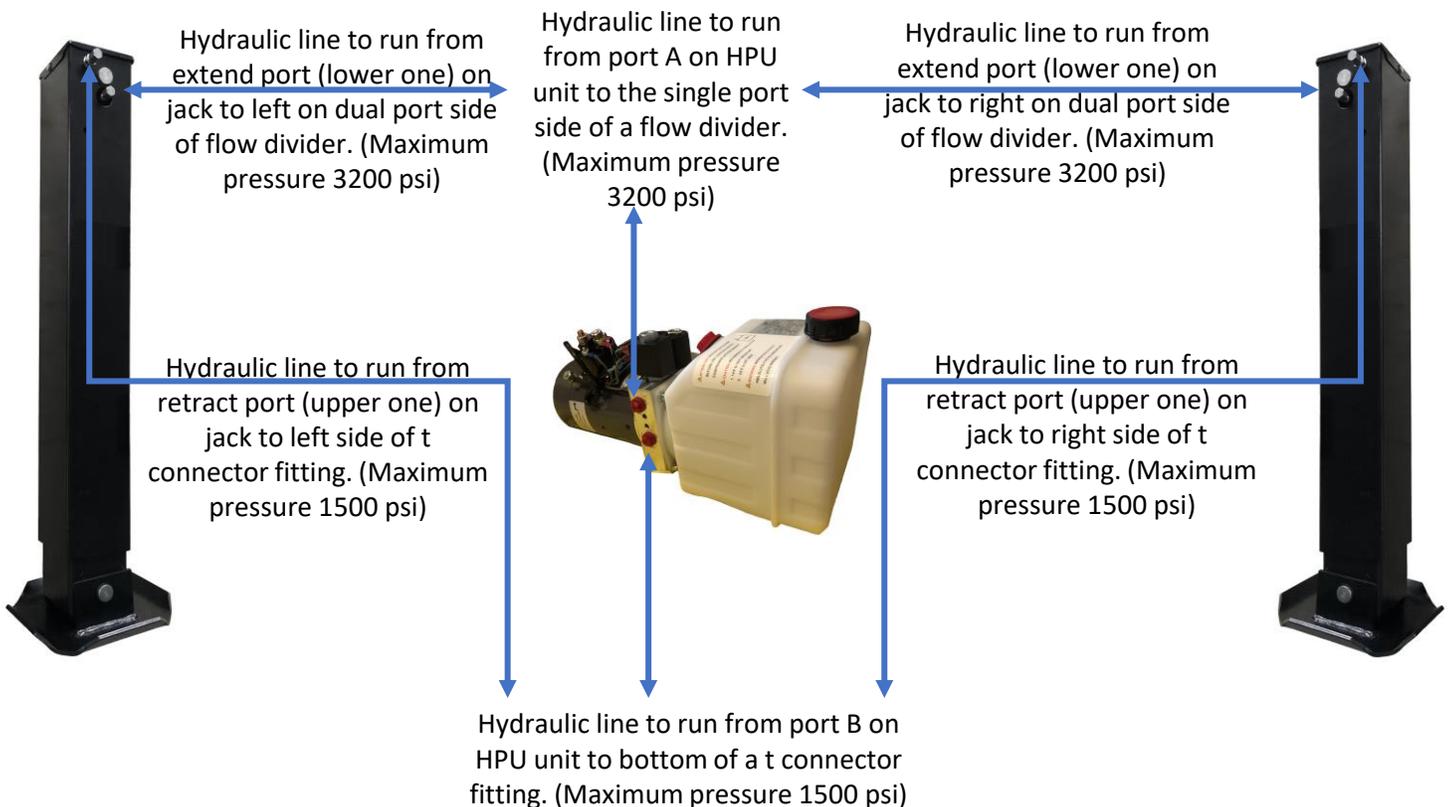
If two jacks being used (in tandem) then the flow divider is strongly recommended between the HPU unit and the jacks

When using with dump trailer hoist system a t-valve is to be used.

Hoses, flow dividers, HPU units, etc are available and sold separately.

For HPU hookup, etc refer to that supplier’s installation instructions.

Dual Hydraulic Jack Application



15K Hydraulic Jack Operation and Maintenance

Before operating hydraulic jack, make sure trailer is on a flat/even surface. Make sure that surface is capable of holding the weight of the trailer.

When using jack for the first time, you will need to bleed the hydraulic jack and hoses of any air in the system. Follow bleed instructions in the HPU hydraulic power unit manual.

Do not lubricate tubes on jacks. It can attract dirt which could affect operation of jack.

Troubleshooting

If jack is not extending or retracting check the following:

- Make sure all electrical connections are secure and battery is fully charged and grounded.
- Make sure hydraulic fluid is flowing from the HPU unit and through the lines. Check to make sure there are no leaks or pinch points in the hoses and all hydraulic connections are secure.
- If jack retracts after leveled to desired location, check fluid level in the HPU unit and all connections are secure.

HPU / Control Switch – Remote Pendant



- Hydraulic power unit includes control switch / remote pendant (sold separately from RAM 15K Jack HJ-15000-LEG)
- 3200 psi extension / 1500 psi retraction maximum pressure
- Works with RAM 15K hydraulic jack (HJ-15000-LEG) as well as RAM hydraulic dump trailer hoist systems (RH-310, RH-516 and RH-520)
- HPU-DA004 dual acting, four quarts usable volume
- HPU-DA006 dual acting, six quarts usable volume
- HPU-DA008 dual acting, eight quarts usable volume

If using *RAM* supplied HPU units and control switch / remote pendant see those instructions for setup and operation.

If using another supplier's HPU unit and control switch / remote pendant see their instructions for setup and operation.

Other Hydraulic Accessories Available - Continued (sold separately)



RH-FIT38 3/8" fitting



RH-FIT38L 3/8" L-shape fitting



RH-LDCTL 3/8" load control valve



HFD-612 Flow Divider



RH-LHG Heavy duty hinge assembly



RH-MHG Medium duty hinge assembly



RH-LKCL-20 2" locking collar
RH-LKCL-25 2.5" locking collar
RH-LKCL-275 2.75" locking collar



RH-BCBL-20G4 Battery cables,
one red, one black, GA 4 20"



RH-STRP rubber battery strap



HCYLND-516 5" diameter x 16" stroke hydraulic cylinder
HCYLND-520 5" diameter x 20" stroke hydraulic cylinder



Dump Trailer Hoist with weld on brackets/pivot bars (less hydraulic cylinder)

RH-310 Hoist Assembly 310 (set up for 3" diameter and 10" stroke cylinder)
RH-516 Hoist Assembly 516 (set up for 5" diameter and 16" stroke cylinder)
RH-520 Hoist Assembly 520 (set up for 5" diameter and 20" stroke cylinder)

Hydraulic Hoist Safety Accessories



Safety arm



Safety arm cup



Safety arm bracket