



Product Catalog

Hydraulics

(Information and links also available in product sections of website.)

Hydraulics

- **Jacks**
- **Power Units**
- **Scissor Hoists**
- **Scissor Hoist Cylinders**
- **Scissor Hoist Kits**
- **Accessories**
- **Telescopic Cylinders**
- **Tilt Deck Cylinder**

Replacement Parts



15K Hydraulic Square Tube Weld On Jack



Ideal for use with commercial, construction and dump trailers.

- Hydraulic application allows for fast manual free operation
- 15,000lb support/12,000lb lift capacity jack
- Pivoting large 10"x10" foot pad that works well on uneven surfaces
- Durable exterior grade black finish
- 59" extended height, 34.8" retracted height
- 24.2" travel distance
- Works well with hydraulic pump/power units up to 3200 psi extension, 1500 psi retraction pressure
- Hydraulic pump/power unit and control switch/remote pendant available (sold separately)
- HJ-15000-LEG direct weld jack



15K Hydraulic Square Tube Bolt On Jack



Ideal for use with commercial, construction and dump trailers.

- Hydraulic application allows for fast manual free operation
- 15,000lb support/12,000lb lift capacity jack
- Pivoting large 10"x10" foot pad that works well on uneven surfaces
- Durable exterior grade black finish
- 59" extended height, 34.8" retracted height
- 24.2" travel distance
- Works well with hydraulic pump/power units up to 3200 psi extension, 1500 psi retraction pressure
- Hydraulic pump/power unit and control switch/remote pendant available (sold separately)
- HJ-15000-LEG1 left leg/curb side jack has two 7.5" x 4" mounting tabs for easy bolt-on application (photo shown)
- HJ-15000-LEG2 right leg/street side jack has two 7.5" x 4" mounting tabs for easy bolt-on application



15K Self Contained Hydraulic Square Tube Bolt On Jack



Ideal for use with horse/livestock as well as commercial and construction trailers.

- Hydraulic application allows for fast manual free operation
- 15,000lb support/12,000lb lift capacity jack
- Pivoting large 10"x10" foot pad that works well on uneven surfaces
- Durable exterior grade black finish
- 59" extended height, 34.8" retracted height
- 24.2" travel distance
- Self contained hydraulic pump/power unit to operate jack, 500W 12V DC motor, dual/double acting, 2.5 quarts usable volume reservoir, 3000 psi extension, 1500 psi retraction working pressure
- Includes control switch/remote pendant
- HJ-15008 hydraulic jack with two 7.5"x4" mounting tabs for easy bolt-on application





7K Hydraulic Round Tube Bolt On Jack



Ideal for use with commercial, construction and dump trailers.

- Hydraulic application allows for fast manual free operation
- 7,000lb support and lift capacity jack
- 7"x7" foot pad
- Durable exterior grade black finish
- 47.5" extended height, 27.5" retracted height
- 20" travel distance
- 5"x5" mounting plate with three .52" bolt holes
- Works well with hydraulic pump/power units up to 3200 psi extension, 1500 psi retraction pressure
- Hydraulic pump/power unit and control switch/remote pendant available (sold separately)
- HJ-7000A jack



15K Hydraulic Square Tube Weld On Jack w/Integrated Counter Balance Valve



Ideal for use with commercial, construction and dump trailers.

- Patent pending integrated counter balance valve that eliminates drift/retraction when trailer is stationary and not in use
- Hydraulic application allows for fast manual free operation
- 15,000lb support/12,000lb lift capacity jack
- Pivoting large 10"x10" foot pad that works well on uneven surfaces
- Durable exterior grade black finish
- 59" extended height, 34.8" retracted height
- 24.2" travel distance
- Works well with hydraulic pump/power units up to 3200 psi extension, 1500 psi retraction pressure
- Hydraulic pump/power unit and control switch/remote pendant available (sold separately)
- HJ-15070-LEG direct weld jack



15K Hydraulic Square Tube Bolt On Jack w/Integrated Counter Balance Valve

Ideal for use with commercial, construction and dump trailers.

- Patent pending integrated counter balance valve that eliminates drift/retraction when trailer is stationary and not in use
- Hydraulic application allows for fast manual free operation
- 15,000lb support/12,000lb lift capacity jack
- Pivoting large 10"x10" foot pad that works well on uneven surfaces
- Durable exterior grade black finish
- 59" extended height, 34.8" retracted height
- 24.2" travel distance
- Works well with hydraulic pump/power units up to 3200 psi extension, 1500 psi retraction pressure
- Hydraulic pump/power unit and control switch/remote pendant available (sold separately)
- HJ-15070-LEG1 left leg/curb side jack has two 7.5" x 4" mounting tabs for easy bolt-on application (photo shown)
- HJ-15070-LEG2 right leg/street side jack has two 7.5" x 4" mounting tabs for easy bolt-on application





15K Self Contained Hydraulic Square Tube Bolt On Jack w/Integrated Counter Balance Valve



Ideal for use with horse/livestock as well as commercial and construction trailers.

- Patent pending integrated counter balance valve that eliminates drift/retraction when trailer is stationary and not in use
- Hydraulic application allows for fast manual free operation
- 15,000lb support/12,000lb lift capacity jack
- Pivoting large 10"x10" foot pad that works well on uneven surfaces
- Durable exterior grade black finish
- 59" extended height, 34.8" retracted height
- 24.2" travel distance
- Self contained hydraulic pump/power unit to operate jack, 500W 12V DC motor, dual/double acting, 2.5 quarts usable volume reservoir, 3000 psi extension, 1500 psi retraction working pressure
- Includes control switch/remote pendant
- HJ-15078 hydraulic jack with two 7.5"x4" mounting tabs for easy bolt-on application



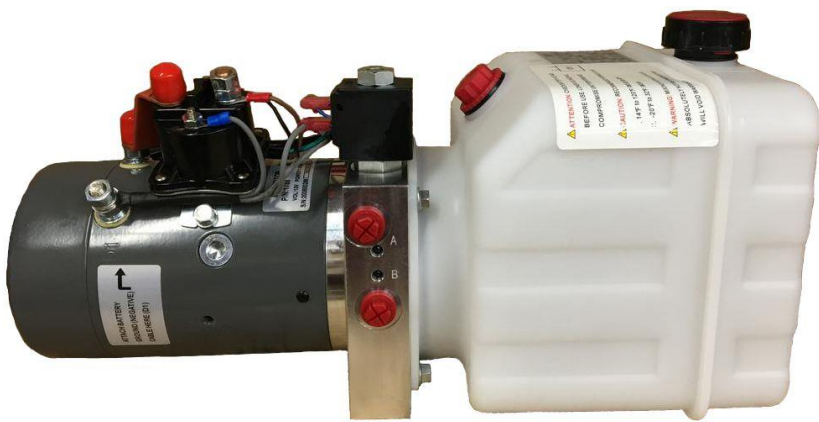
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Hydraulic Power Unit (Dual Acting, Power Up/Power Down)

Hydraulic power units and control switch/remote pendant works with *RAM* hydraulic jacks and scissor hoist systems.

- Works with 12 volt deep cycle direct current RV/Marine trailer battery (not supplied)
- 1.6KW 12v DC motor
- Dual acting – Power Up/Power Down
- 3200 psi extension and 1500 psi retraction working pressure
- Includes control switch/remote pendant with 12' cord
- HPU-DA004 four quart usable volume reservoir, dual acting HPU (image shown)
- HPU-DA006 six quart usable volume reservoir, dual acting HPU (available special order upon request)
- HPU-DA008 eight quart usable volume reservoir, dual acting HPU (available special order upon request)
- HPU-DA012 twelve quart usable volume reservoir, dual acting HPU (available special order upon request)
- HPU-RP12W2B spare/replacement HPU control switch / remote pendant assembly with 12' wire and two button switch box





Hydraulic Power Unit (Single Acting, Power Up/Gravity Down)



Hydraulic power units and control switch/remote pendant works with *RAM* hydraulic telescopic cylinders.

- Works with 12 volt deep cycle direct current RV/Marine trailer battery (not supplied)
- 1.6KW 12v DC motor
- Single acting – Power Up/Gravity Down
- 3200 psi extension working pressure
- Gravity down saves on battery charge
- Includes control switch/remote pendant with 12' cord
- HPU-SA006 six quart usable volume reservoir, single acting HPU (available special order upon request)
- HPU-SA008 eight quart usable volume reservoir, single acting HPU (available special order upon request)
- HPU-SA016 sixteen quart usable volume reservoir, single acting HPU (available special order upon request) recommend to use with 7 ton telescopic cylinders
- HPU-SA006GST six gallon usable volume reservoir (steel tank), single acting HPU (available special order upon request)
- HPU-SA007GST seven gallon usable volume reservoir (steel tank), single acting HPU (available special order upon request) recommend to use with 12 ton telescopic cylinders



Hydraulic Power Unit (Dual Acting, Power Up/Power Down/Gravity Down)

Hydraulic power units and control switch/remote pendant works with *RAM* hydraulic jacks and scissor hoist systems.

- Works with 12 volt deep cycle direct current RV/Marine trailer battery (not supplied)
- 1.6KW 12v DC motor
- Dual acting – Power Up/Power Down/Gravity Down
- 3200 psi extension and 1500 psi retraction working pressure
- Gravity down saves on battery charge
- Includes control switch/remote pendant with 12' cord with three button switch
- HPU-DAGD004 four quart usable volume reservoir, dual acting HPU (available special order upon request)

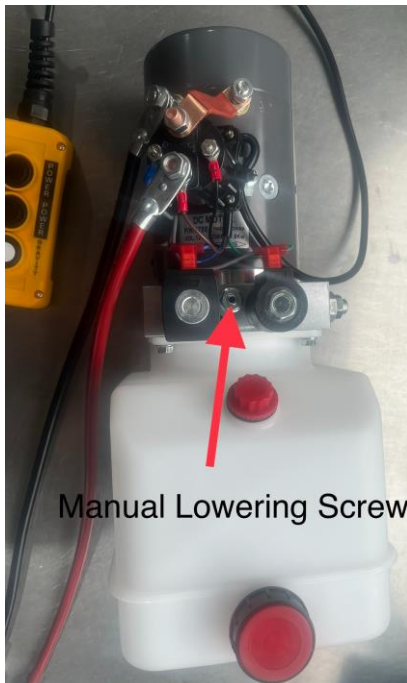




Hydraulic Power Unit (Dual Acting, Power Up/Power Down/Gravity Down/with manual override)

Hydraulic power units and control switch/remote pendant works with RAM hydraulic jacks and scissor hoist systems.

- Works with 12 volt deep cycle direct current RV/Marine trailer battery (not supplied)
- 1.6KW 12v DC motor
- Dual acting – Power Up/Power Down/Gravity Down w/manual override
- 3200 psi extension and 1500 psi retraction working pressure
- Gravity down saves on battery charge
- Includes a manual override function for when loss of battery charge -- 1/2" lock nut and 4mm (5/32") hex head manual override screw resides between the solenoids on the HPU manifold. Important to loosen hex head manual override screw slowly so scissor hoist retracts slowly.
- Includes control switch/remote pendant with 12' cord with three button switch
- HPU-DAMA004 four quart usable volume reservoir, dual acting HPU (available special order upon request)
- HPU-DAMA006 six quart usable volume reservoir, dual acting HPU (available special order upon request)





Hydraulic Power Unit (Dual Acting, Power Up/Power Down w/2 to 4 Selector)



- Hydraulic power units and control switch/remote pendant works with *RAM* hydraulic jacks and scissor hoist systems.
- Works with 12 volt deep cycle direct current RV/Marine trailer battery (not supplied)
 - 1.6KW 12v DC motor
 - Dual acting – Power Up/Power Down
 - 3200 psi extension and 1500 psi retraction working pressure
 - 2 to 4 selector allows use with hydraulic jack(s) and dump hydraulic hoist system without having to use a separate manual hydraulic diverter
 - Includes control switch/remote pendant with 12' cord with four button switch
 - HPU-DASEL006 six quart usable volume reservoir, dual acting HPU (available special order upon request)

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RAM
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SERIES

Hydraulic Scissor Hoists



Ideal for use with dump trailers.

- Hydraulic scissor hoist weld assemblies allow for durable operation
- Available raw or with a durable exterior grade black powder coat finish
- Includes two flat end and two L-shaped raw weld on pivot bars / brackets
- RH-310 Hoist assembly with raw finish (cylinder sold separately)
- RH-310-B Hoist assembly with black finish (cylinder sold separately)
- RH-516 Hoist assembly with raw finish (cylinder sold separately)
- RH-516-B Hoist assembly with black finish (cylinder sold separately)
- RH-520 Hoist assembly with raw finish (cylinder sold separately)
- RH-520-B Hoist assembly with black finish (cylinder sold separately)
- RH-620 Hoist assembly with raw finish (cylinder sold separately)
- RH-620-B Hoist assembly with black finish (cylinder sold separately)

Also available are scissor hoist and cylinder combinations

- RH-CY-310-B 3-1/2"x10" stroke cylinder with black scissor hoist
- RH-CY-310-O 3-1/2"x10" stroke cylinder with raw scissor hoist
- RH-CY-516-B 5"x16" stroke cylinder with black scissor hoist
- RH-CY-516-O 5"x16" stroke cylinder with raw scissor hoist
- RH-CY-520-B 5"x20" stroke cylinder with black scissor hoist
- RH-CY-520-O 5"x20" stroke cylinder with raw scissor hoist
- RH-CY-620-B 6"x20" stroke cylinder with black scissor hoist
- RH-CY-620-O 6"x20" stroke cylinder with raw scissor hoist
- Hydraulic cylinders are black painted and are bolted to the scissor hoists
- Includes two flat end and two L-shaped raw weld on pivot bars / brackets

Kits that include HPU, hoist, cylinder, accessories, etc are also available. See hoist kit section for details.

www.ramtrailerproducts.com



Hydraulic Scissor Hoist Cylinders



Hydraulic scissor hoist cylinders come black painted

- HCYLND-310 3.5"x10" stroke hydraulic cylinder
- HCYLND-516 5"x16" stroke hydraulic cylinder
- HCYLND-520 5"x20" stroke hydraulic cylinder
- HCYLND-620 6"x20" stroke hydraulic cylinder



Hydraulic Scissor Hoist Kits

Ideal for use with dump trailers.

- Conveniently packaged scissor hoist kits include all the components (except battery) to be used in a dump trailer application
- Scissor hoist system allows for durable operation
- Kits are available with raw or with durable exterior grade black finish on the scissor hoist
- Hydraulic cylinders are black painted and are bolted to the scissor hoists in the kits
- For list of items included in each kit see link to pdf files below
- RH-310-B-KIT 3-1/2"x10" stroke cylinder with black scissor hoist
- RH-310-KIT 3-1/2"x10" stroke cylinder with raw scissor hoist
- RH-516-B-KIT 5"x16" stroke cylinder with black scissor hoist
- RH-516-KIT 5"x16" stroke cylinder with raw scissor hoist
- RH-520-B-KIT 5"x20" stroke cylinder with black scissor hoist
- RH-520-KIT 5"x20" stroke cylinder with raw scissor hoist
- **See website links for specific items included in the scissor hoist kits**





Hydraulic Accessories



Weld on prop kits come raw for weld on purposes.

- Allows to prop the dump box in the upper dump position
- Include safety arm, safety arm bracket and safety arm cup
- RH-PROPKIT



Typically on dump trailers that use the 310 or the 516 hoist assemblies.

- Hinges that are welded to dump trailer frame and dump box and act as rear pivot point
- Includes a grease zerk
- RH-MHG medium hinge assembly



Typically on dump trailers that use the 520 hoist assemblies and larger.

- Hinges that are welded to dump trailer frame and dump box and act as rear pivot point
- Includes a grease zerk
- RH-LHG heavy duty hinge assembly

Hydraulic Accessories (Continued)



- For use with jack and hoist cylinders on the extend (base) port only
- Controls hydraulic flow out of the extend port back to the HPU
- RH-LDCTL 9/16-18 SAE #6 JIC 37 degree flare fitting flow/load control valve
- NOT for use with RAM HJ-15070 series jacks



For use with hydraulic lines and connections to cylinders, HPU units, etc

- RH-FIT38 3/8" #6 SAE Hydraulic Fitting (photo shown) – May be used at input and output on hydraulic flow divider and HPU

- RH-FIT38L 3/8" #6 SAE Hydraulic L Fitting – May be used at input and output on hydraulic flow divider and HPU



- RH-FIT38T 3/8" #6 SAE Hydraulic T Fitting – Used to join two hydraulic return lines into one return line to HPU

- All fittings are 9/16-18 SAE #6 JIC 37 degree flare fitting



For use with hoist frames

- RH-LKCL-20 2.0" locking collar for use with 310 hoist assemblies

- RH-LKCL-25 2.5" locking collar for use with 516 and 520 hoist assemblies



Hydraulic Accessories (Continued)



Hydraulic hose assemblies with 9/16-18 SAE #6 JIC 37 degree flare fittings

- RH-HS38110 110" long assembly
- RH-HS38120 120" long assembly
- Included in the scissor hoist kits



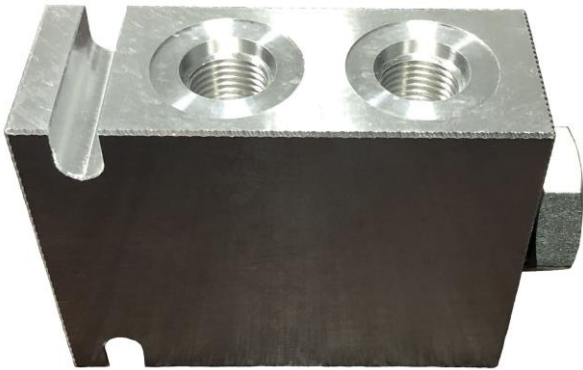
RH-BCBL-20GA Battery Cables, one red, one black GA 4, 20"



RH-STRP Rubber Battery Strap



Hydraulic Accessories (Continued)



- Use when operating two hydraulic jacks with one HPU
- Receives flow from port A on HPU then divides the flow equally to run two hydraulic jacks
 - All ports are SAE #6 O-Ring female, requires adapters to couple with 9/16-18 SAE #6 JIC 37 degree flare hydraulic hose
 - HFD-612 Flow Divider



- Diverts hydraulic fluid allowing one HPU to operate either the hydraulic jack or hoist (dump) circuits
- Ready to couple with 9/16-18 SAE #6 JIC 37 degree flare hydraulic fittings
- RH-6WFD Hydraulic Fluid Diverter



Telescopic Cylinders

Ideal for dump trailers for telescopic cylinder application

- 7 Ton 3.75" x 78" (total travel) 36.5" (retracted length) telescopic cylinder – HCTL-37578

- 7 Ton 3.75" x 90" (total travel) 40.5" (retracted length) telescopic cylinder – HCTL-37590

- 7 Ton 3.75" x 108" (total travel) 46.5" (retracted length) telescopic cylinder – HCTL-375108

- 12 Ton 4.4" x 120" (total travel) 48.7" (retracted length) telescopic cylinder – HCTL-44120

- 12 Ton 4.4" x 132" (total travel) 52.7" (retracted length) telescopic cylinder – HCTL-44132

- 12 Ton 4.4" x 144" (total travel) 56.7" (retracted length) telescopic cylinder – HCTL-44144

- H-Shape mounting plate for telescopic cylinders – HCTL-HBASE

- Top brackets to mount to dump box available (HCTL-7SDPLL left side mounting plate for 7 Ton cylinder, HCTL-7SDPLR right side mounting plate for 7 Ton cylinder, HCTL-12SDPLL left side mounting plate for 12 Ton cylinder, HCTL-12SDPLR right side mounting plate for 12 Ton cylinder)

- Telescopic cylinders are available special order upon request

- Telescopic cylinder kits also available special order upon request



HCTL-HBASE



HCTL-7SDPLL



Tilt Deck / Tilt Bed Cylinders



Ideal for use with tilt deck / tilt bed trailers.

- 3-1/2"x10" hydraulic cylinder acts as a shock absorber for tilt deck operation
- Includes (2) connection pins and (4) cotter keys
- RH-TB310 hydraulic cylinder assembly
- RH-TB-CS1 7-1/4" weld on bracket (sold separately)
- RH-TB-CS2 6-1/4" weld on bracket (sold separately)



Hydraulic Replacement Parts

Ram Part Number	Description
HJ-15000-CYLND	Replacement cylinder for 15K RAM hydraulic jack
HPU-SR391	HPU starter relay, 12V DC 250A
HPU-SL13372R	Solenoid 2 for port B, round
HPU-SL13392Q	Solenoid 1 for port A, square
HPU-CAP	Cap for HPU reservoir
RH-516-PBARL	Weld on pivot bar with L-shape plate (welded to trailer chassis)
RH-516-PBARF	Weld on pivot bar with flat plate (welded to dump frame)
HJ-15000-HPU-KIT	Repair HPU kit for HJ-15008 hydraulic self contained jack
HJ-15000-FITSET	Fitting Set/Hose for HJ-15000 hydraulic Jack
HJ-15000-FT	Foot for HJ-15000 and HJ-15008 hydraulic jacks
HJ-15000-FTPN	Pin with snap rings for HJ-15000 and HJ-15008 hydraulic jacks
HPU-TANK004	Replacement tank for HPU-DA004 4 quarts
HPU-TANK006	Replacement tank for HPU-DA006 6 quarts
HPU-TANK008	Replacement tank for HPU-DA008 8 quarts
HPU-TANK0025V	Replacement tank for HJ-15008 self contained hydraulic jack (2.5 quarts)

HPU-TANK0025H Replacement tank for HPU-SA8025 horizontal mount HPU (2.5 quarts)