

HOWE

PERFORMANCE POWER STEERING

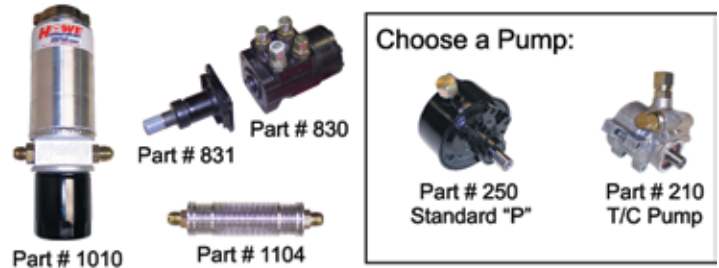
2006 **Rock Crawling Catalog**

www.howepformance.com
www.steeringbox.com

Rock Crawling Full Hydraulic System



Absolutely the best steering system for competition rock crawling. This system is strong enough to turn the wheels even under the most extreme conditions.



Choose a Hydraulic Ram:



Rock Racing Full Hydraulic System

Applying our Trophy Truck pump and high flow reservoir is the key to making a full hydraulic system work for rock racing. The increased flow also increases the speed of the system.

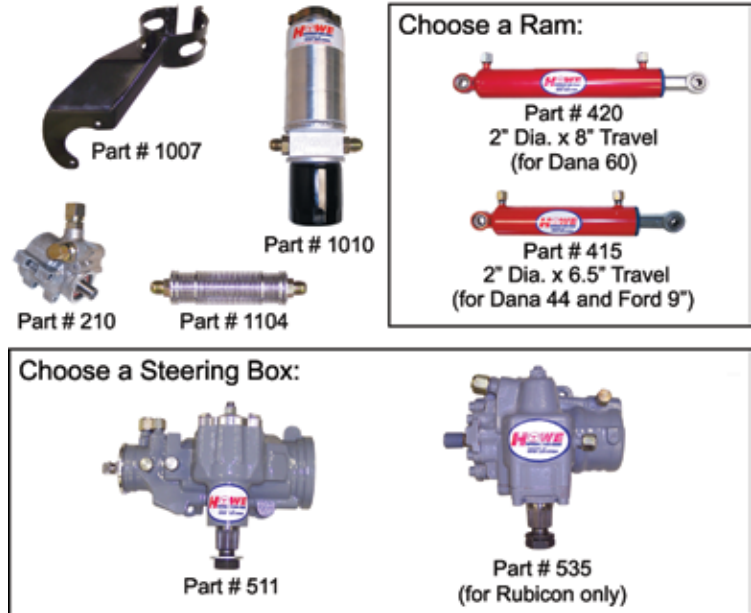


Choose a Hydraulic Ram:



YJ, TJ, & Rubicon with Ram Assist

This is the same system that has won Baja many times over the last 15 years! The ram assist greatly increases rock crawling driveability especially on vehicles that have aftermarket wheels and tires. Our new reservoir bracket bolts directly to the pump making this system easier to install.



Choose a Ram:

- Part # 420
2" Dia. x 8" Travel
(for Dana 60)
- Part # 415
2" Dia. x 6.5" Travel
(for Dana 44 and Ford 9")

Choose a Steering Box:

- Part # 511
- Part # 535
(for Rubicon only)

All hoses and fittings are available.
Call or visit our website for more information.



44th Annual Tierra Del Sol Desert Safari



Easter 2006 - Moab, Hell's Revenge



Reservoir Bracket Bolts Directly to the Pump



Easter 2004 - Moab, Hell's Revenge



Howe Performance is the only power steering company that takes extra time with the customer to do the job right! We custom design your ram and box so they stop at the same time the front knuckles do. This prevents the hydraulics from damaging the sector shaft in the steering box, drag link and tie rods.

Larry Minor's Sand Jeeps

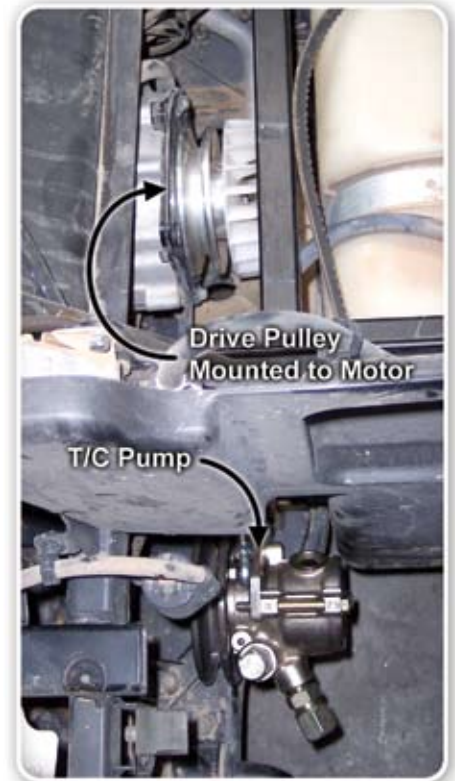


Sand Jeeps like these two built by Larry Minor are the new king of the dunes. The wide spread design with ram assist is the perfect combination for these machines.

Coming Soon! Yamaha Rhino Power Steering



Modifications such as aftermarket wheels, taller tires and lift kits are becoming very popular for Yamaha Rhinos. Up until now these changes made the Rhino hard to steer especially in all wheel drive and full lock 4 wheel drive. Our Ram Assisted steering will make the Rhino steer like a dream no matter what size wheels and tires you're running.



CJ Steering Box with Ram Assist

No one in the 4x4 industry has been building Ram Assist as long as we have!



This is basically the same system used on the TJs, YJs, and Rubicons. The difference is this system utilizes the stock GM P-Pump which is modified by removing the stock reservoir and also by increasing pressure and flow. Choose between the high volume and standard system.

High Volume System



Standard System



Choose a Ram:



Choose a Steering Box:



All hoses and fittings are available.
Call or visit our website for more information.

Hydro Boost with Twin T/C Pump



Stock brakes are not enough for larger tires being used today in rock crawling. The hydro boost provides better power than vacuum assist brakes.



The hydro boost will take priority over the steering. Having two separate pumps allows the brakes to run 100% effective while maintaining power steering control. Our specially designed bracket allows you to run two hydraulic pumps with one pulley. One pump works your power steering and one pump works the hydro boost.

Aluminum Steering Wheels



PART	ITEM
1130	Steering Wheel 13" or 15" Dished

Power Steering Fluid

Specially formulated for off-road racing.



PART	ITEM
1105	Power Steering Fluid

Quick Release

Best on the market! No Slop!



PART	ITEM
1120	Quick Release - 3 Bolt
1121	Quick Release - 6 Bolt (Momo Wheel)

In-Line Coolers



PART	ITEM
1104	7" x 2" Dia. In-Line Cooler
1150	12" x 3" Dia. In-Line Cooler
1104-1001	Mounting Cushion
1104-1002	Billet Aluminum Mounting Bracket

U-Joints

(Visit our website for more info.) Available in all 3/4, smooth x any spline



PART	ITEM
600	U-Joints 3/4" Splined X Smooth
600	U-Joints 3/4" Splined X Splined
655	U-Joints Charlynn X Smooth
650	U-Joint Charlynn X Splined

Pulleys

(Visit our website for more info.)

PART	ITEM
305	T/C 4.5" Aluminum V-Belt Pulley
310	T/C 6.0" Aluminum V-Belt Pulley
315	T/C 5.375" Aluminum Serpentine Pulley
318	T/C 6.5" Aluminum Serpentine Pulley
316	T/C 4.5" Subaru Serpentine Pulley
317	GM P-Pump 5.375 Aluminum Serpentine Pulley
320	Type-1 VW Crank Pulley w/ Bolt & Pin
329	Hi-Volume Aluminum Single-V Pulley (Req. Steel Hub)
325	Hi-Volume Aluminum Double-V Belt Pulley (Req. Steel Hub)
326	Hi-Volume Aluminum 5.375" Serpentine Pulley (Req. Steel Hub)
328	Hi-Volume Aluminum 6.5" Serpentine Pulley (Req. Steel Hub)
330	T/C 6.0" Aluminum Stock Car Pulley
335	Hi-Volume Steel Hub (Required w/Hi-Volume Pulleys)
340	LS-1 Hi-Volume 6.5" Serpentine Pulley
345	LS-1 Hi-Volume Idler Wheel



Mounting Brackets



PART	ITEM
920A	Ford T/C Aluminum Pump Bracket
935	LS-1 High Volume Pump Bracket
905	Steel Type-1 VW T/C Pump Bracket
905A	Aluminum Type-1 VW T/C Pump Bracket
910	Steel Type-4 VW T/C Pump Bracket
915	Chevy 350 T/C Pump - Head Mount
925	Chevy 350 T/C Pump - Block Mount
930	LS1 T/C Pump Bracket
920	Ford T/C Pump Bracket
940	Honda V-TEC T/C Pump Bracket
1006	3.5" Dia. Reservoir Bracket



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All of our products are for off-road use only! Not Street Legal!