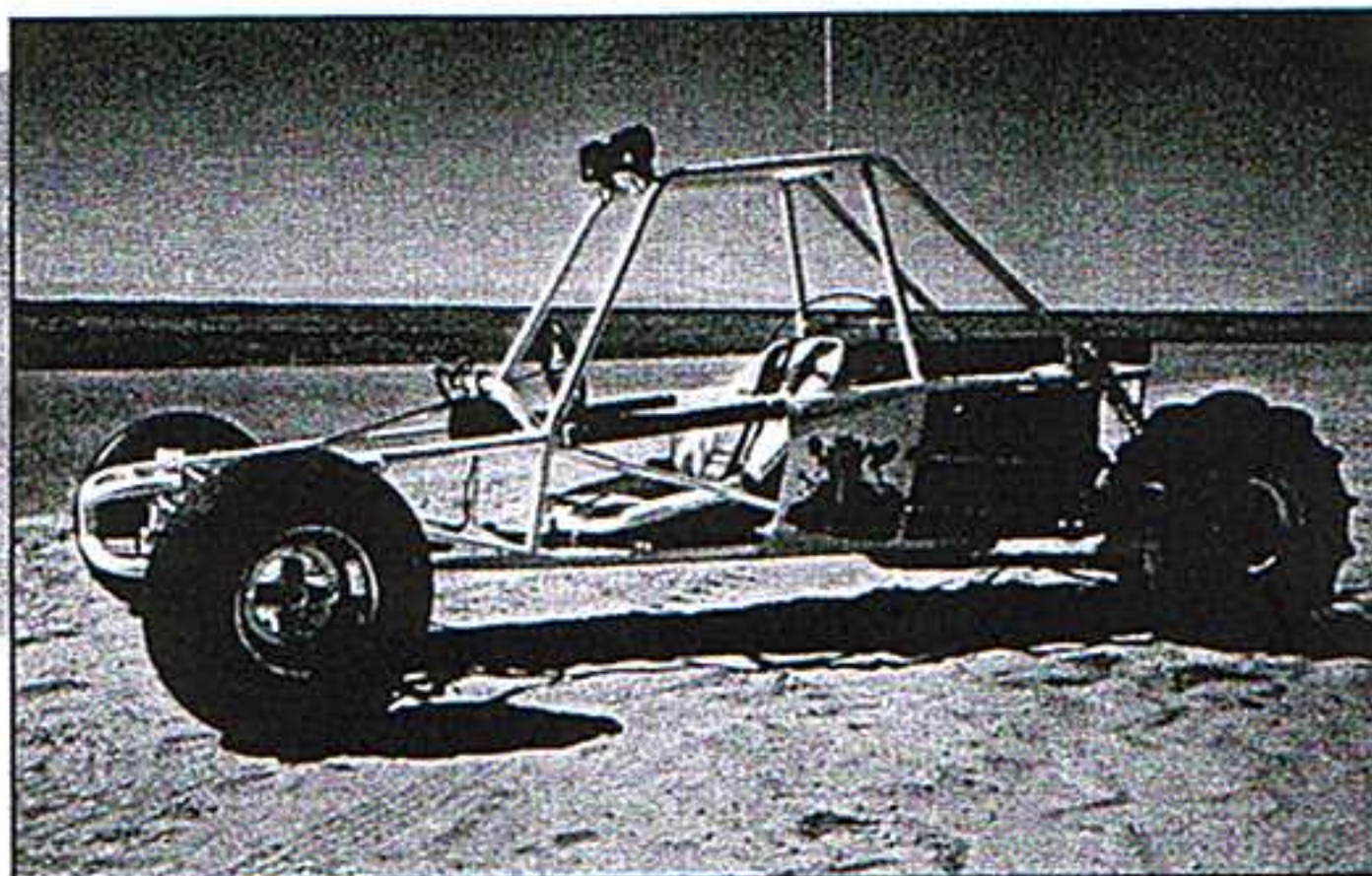


HI PERFORMANCE ATV

PARTS CATALOG

Astro Four Wheel
Conversion Kits
Mongoose Sand Cars



Honda Pilot Long Travel
Suspension Kits



Front and Rear
Suspension Kits



Custom Fabrication

HI PERFORMANCE MACHINE INC
11976 WOODSIDE AVE..
LAKESIDE CA. 92040
619 448 8802

■ (619) 448-8802 ■ FAX (619) 448-6974

ASTRO by Hi Performance ATV

Three to Four Wheel Conversion Kits

Hi Performance ATV is very excited about our Astro Conversion Kit. This kit consists of only the finest components. We invite you to measure our conversion kits against all others, in appearance, quality on materials, and engineering. We have set the standard.

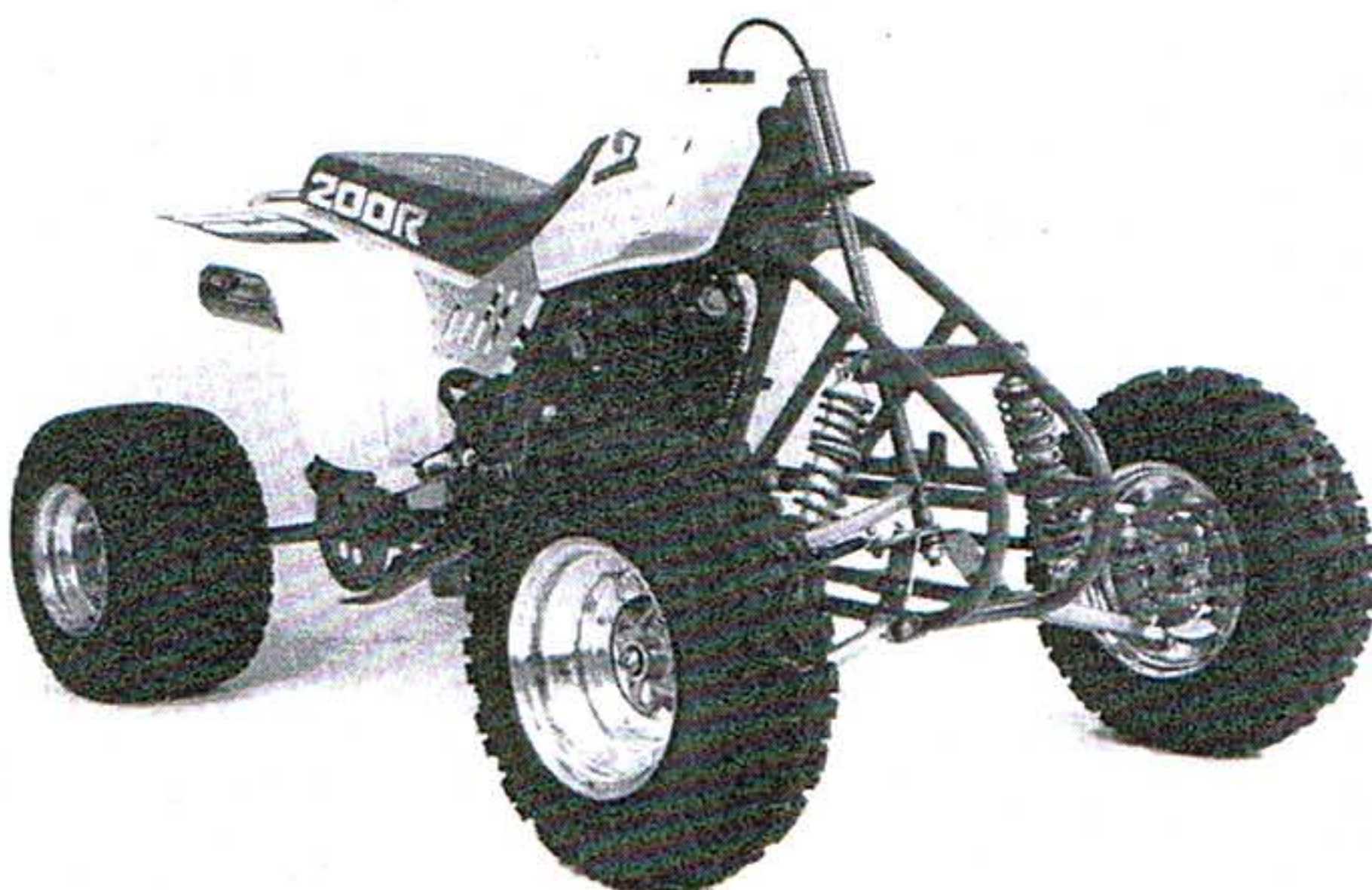
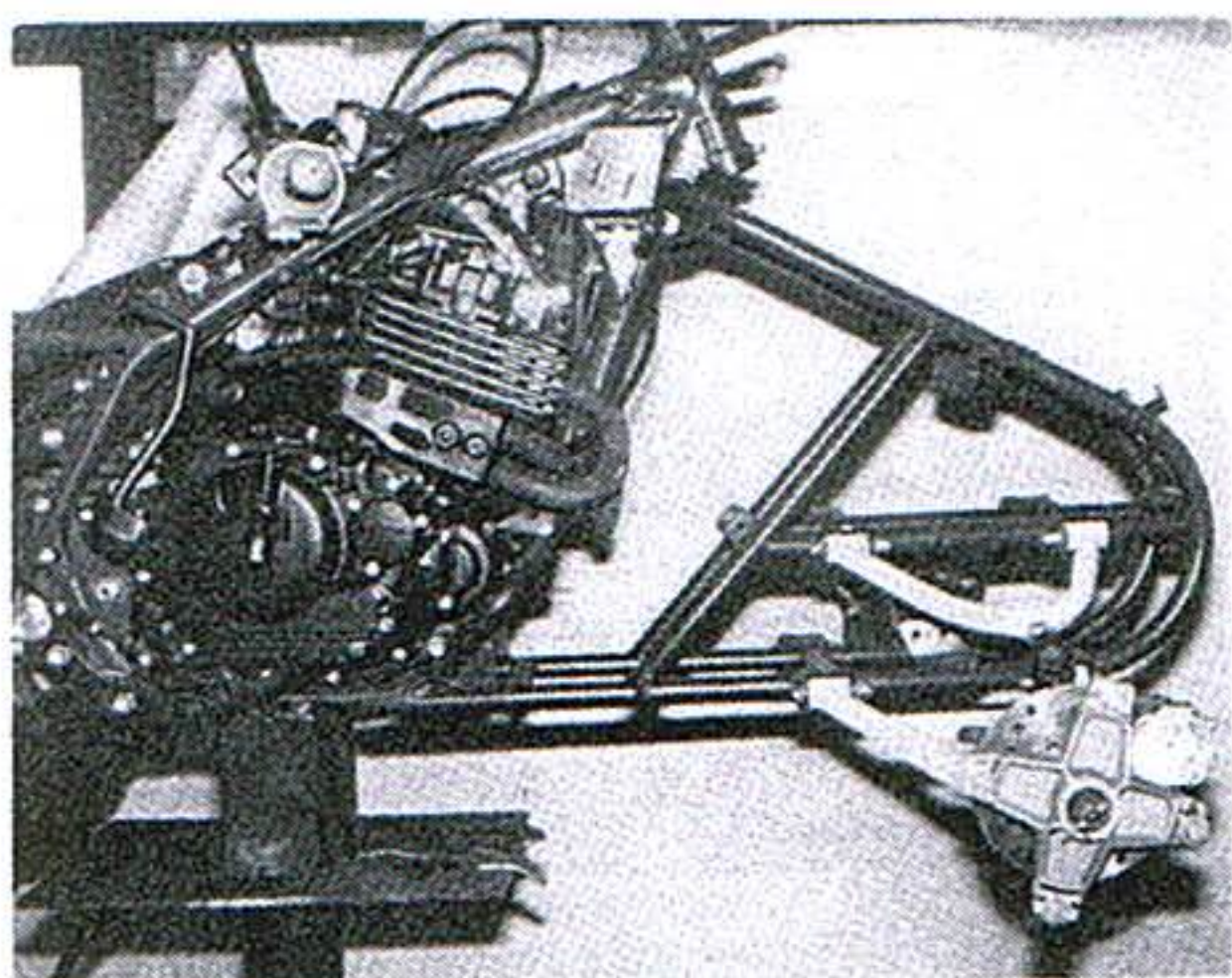
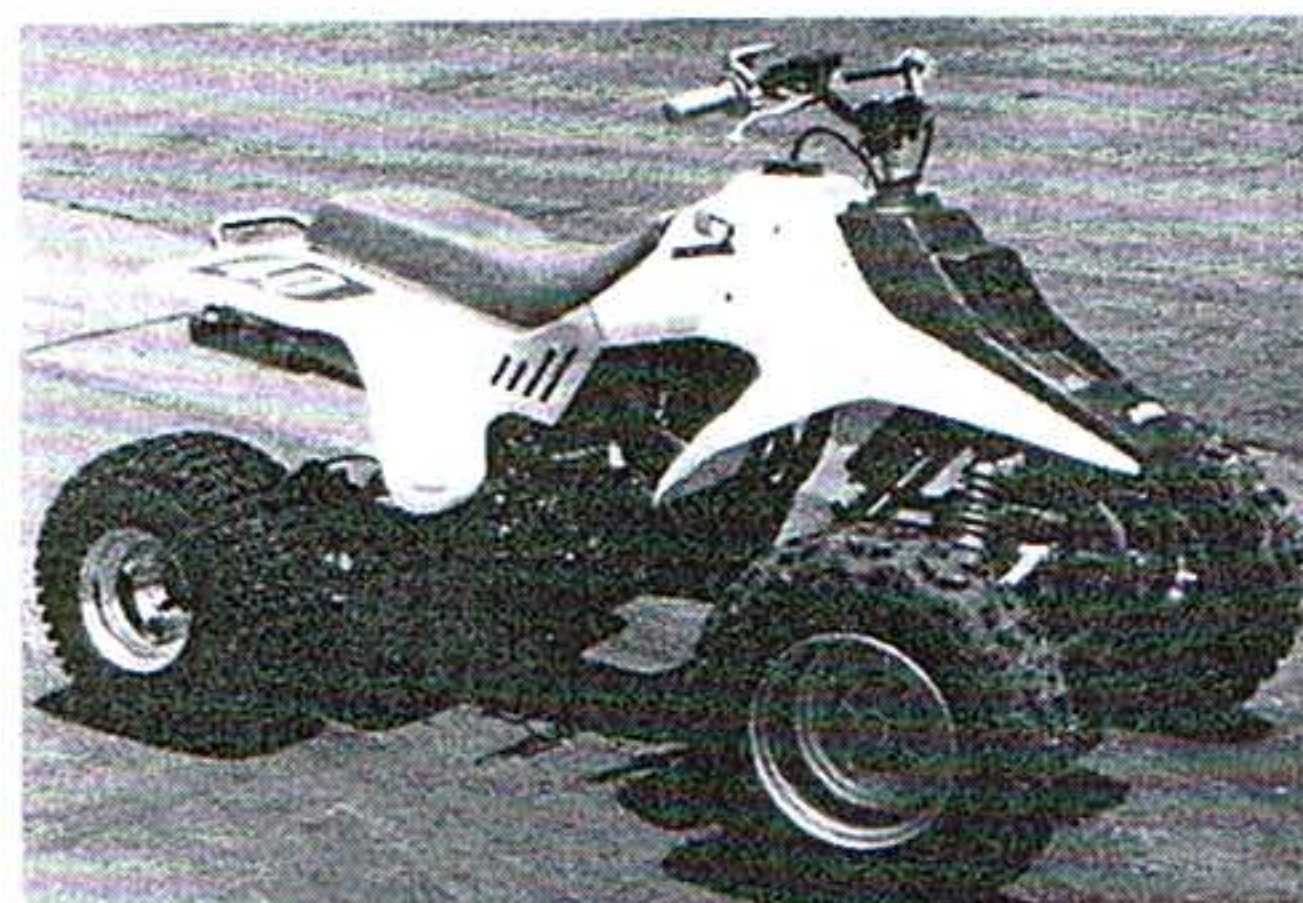
KIT COMES COMPLETE WITH:

FRAME: Weld on sub frame assembly
 A-ARMS: Mild steel tube
 HUBS: 356 T6 Aluminum
 BRAKES: Hydraulic disc with drilled rotor discs
 BRAKE LINES: Steel braided
 SHOCKS: Progressive gas with 8" wheel travel
 WHEELS: Polished aluminum ITP
 TIRES: Knobby
 FENDERS: Color keyed 3-piece molded plastic (Maier Mfg.)
 ALL HARDWARE: Grade 5 or better

- Honda 70 ATC: All years.....
- Honda 185S-200S-200M: All years (inc. master cyl.) ..
- Honda 200X: 1983-1987
- Honda 200ES Big Red: All years (inc. master cyl.) ..
- Honda 250SX: 1985-1987 (inc. master cyl.)
- Honda 250R: 1981-1987
- Honda 250 Big Red: All years (inc. master cyl.)
- Honda 350X: 1985-1987
- Kawasaki KX80: 1983-1993
- Kawasaki 250 Prairie: All years (inc. master cyl.) ..
- Kawasaki 250 Tecate: 1984 (inc. master cyl.)
- Kawasaki 250 Tecate: 1985-1987
- Yamaha YZ80: 1983-1993
- Yamaha DX225: All years (inc. master cyl.)
- Yamaha 200: All years (inc. master cyl.)
- Yamaha TriZ 250: All years

Note: We can custom fit our Astro Kits to any style ATV.
 Call for prices.

ASTRO CONVERSION KITS \$ 1595.00
 SHIPPING \$ 125.00
 INCLUDES FRONT BUMPER



ASTRO CONVERSION KITS (cont'd)

Astro kits are shipped via UPS - COD. They can be sent to anywhere in the US for usually under \$100.00. A \$250.00 shipping deposit may be required. Delivery time is usually one week. All kits are usually in stock.

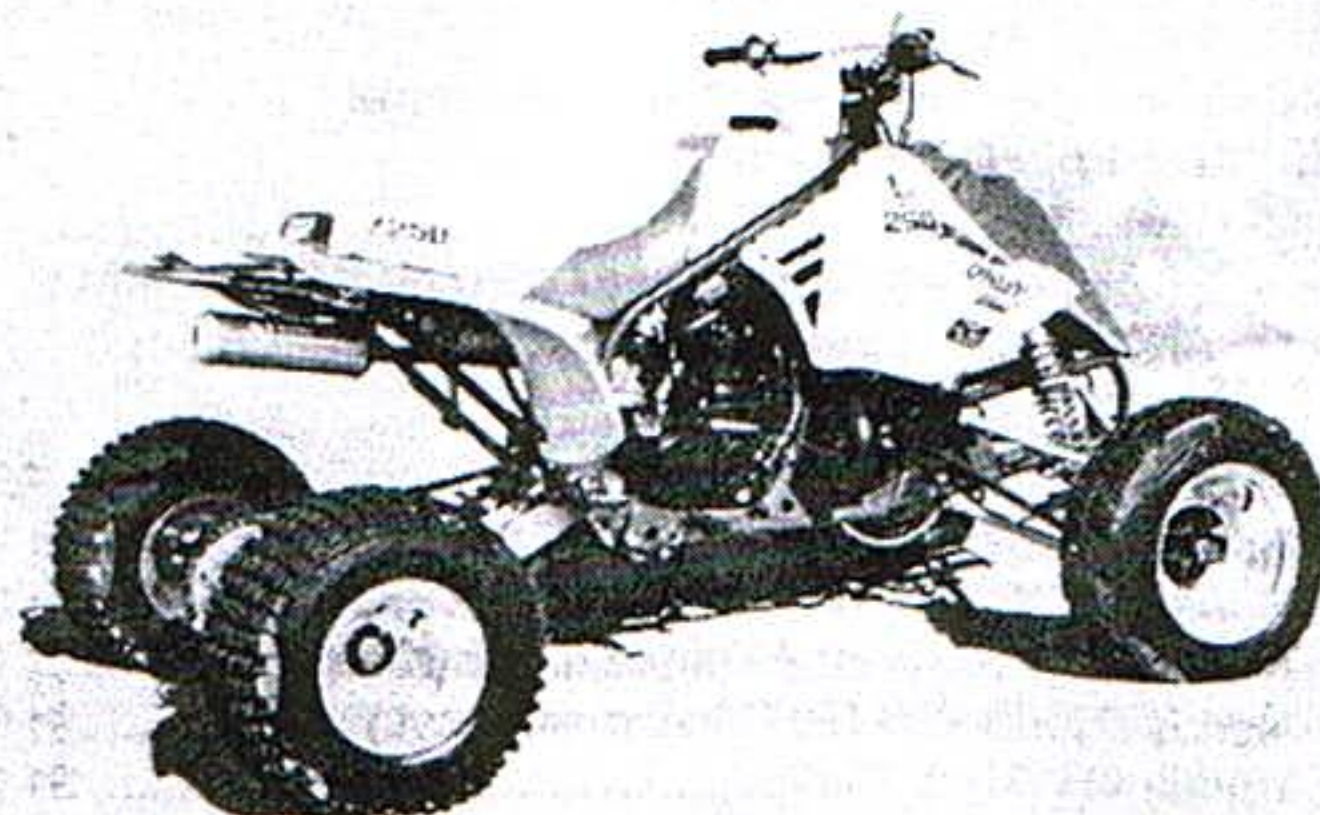
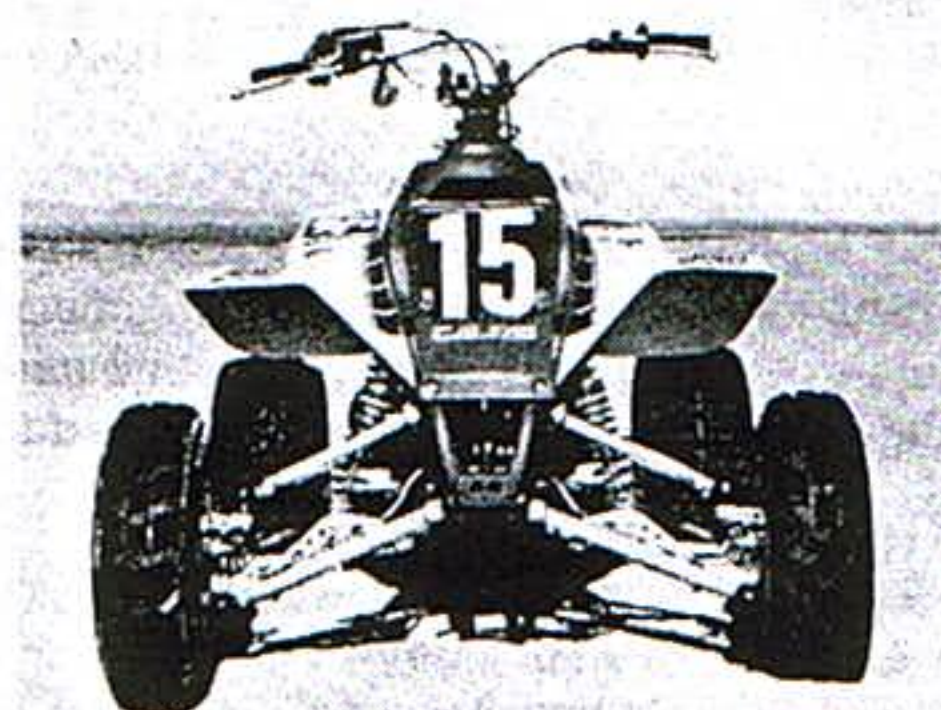


Note: All prices reflect a cash discount. A 5% surcharge will be added for all purchases using credit cards. We reserve the right to change prices and designs without notice.

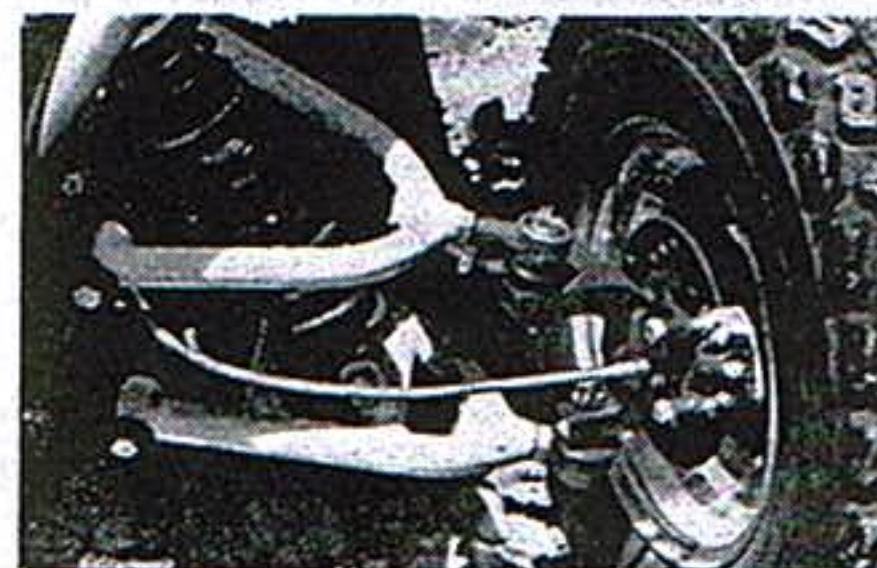
Hi Performance ATV now offers a full line of front bumpers and side Nerf Bars (with nets) to fit our Astro Conversions. These parts are constructed of 3/4" .095 steel tube offering durability and good looks.

We are very excited about the new style rod ends used in our kits. These are a completely sealed automotive type tie rod ends. they feature grease fittings and rubber caps. Offering excellent protection from water and dust. These ends are standard automotive parts for easy replacement.

Installation time is approximately 7 hours. Welding time is usually under 1 hour. All Astro frames are pre-fit and notched to insure a precise fit on your ATV.



Mild steel A-Arms come standard with all kits.



The front-end pieces are burly and all of the fasteners are "grade 5" or better. The hydraulic disc brake componentry comes with braided steel lines. The Carlisle knobby tires are the choice of many of the nation's fastest woods racers and works well.



Hydraulic disc brakes come standard with all kits.

Note: Drilled rotor discs and steel braided brake lines.



ASTRO CONVERSION KITS (cont'd)



Revenge of the three-wheeler

By the converted staff of 3 into 4 *Wheel Action*

We know there are many three-wheel loyalists out there who would never dream of giving up their telescopic forks for a set of A-arms. More power to you! But we also know that there are some three-wheel owners who would like an extra wheel up front for a change.

for those of you who have invested major bucks in your three-wheeled mount, or just want to join the club, the Hi Performance kit just might be the thing for you. It is a full weld-on-affair, costs \$1200.00 adds only 20 pounds and will take you a good afternoon to install after the welding is done. When looking at the prices of new quads these days, it seems like a small investment in your ATV-ing future. On the other hand, with the prices of used three-whellers dropping at a steady rate, you could pick up a major bargain locally and then get the kit. With the money saved, you could customize the motor and chasis to your needs, with the final price tag being less than a showroom-fresh four wheeler. What a deal!



the Quadversion is a competent slider. Dazzlin' Derek Nye shows us how it's done.



Like any lightweight two-stroke quad, the Hi Performance conversion is a thrill to throw around in the air.



YAMAHA 250 TRI-Z (all years)

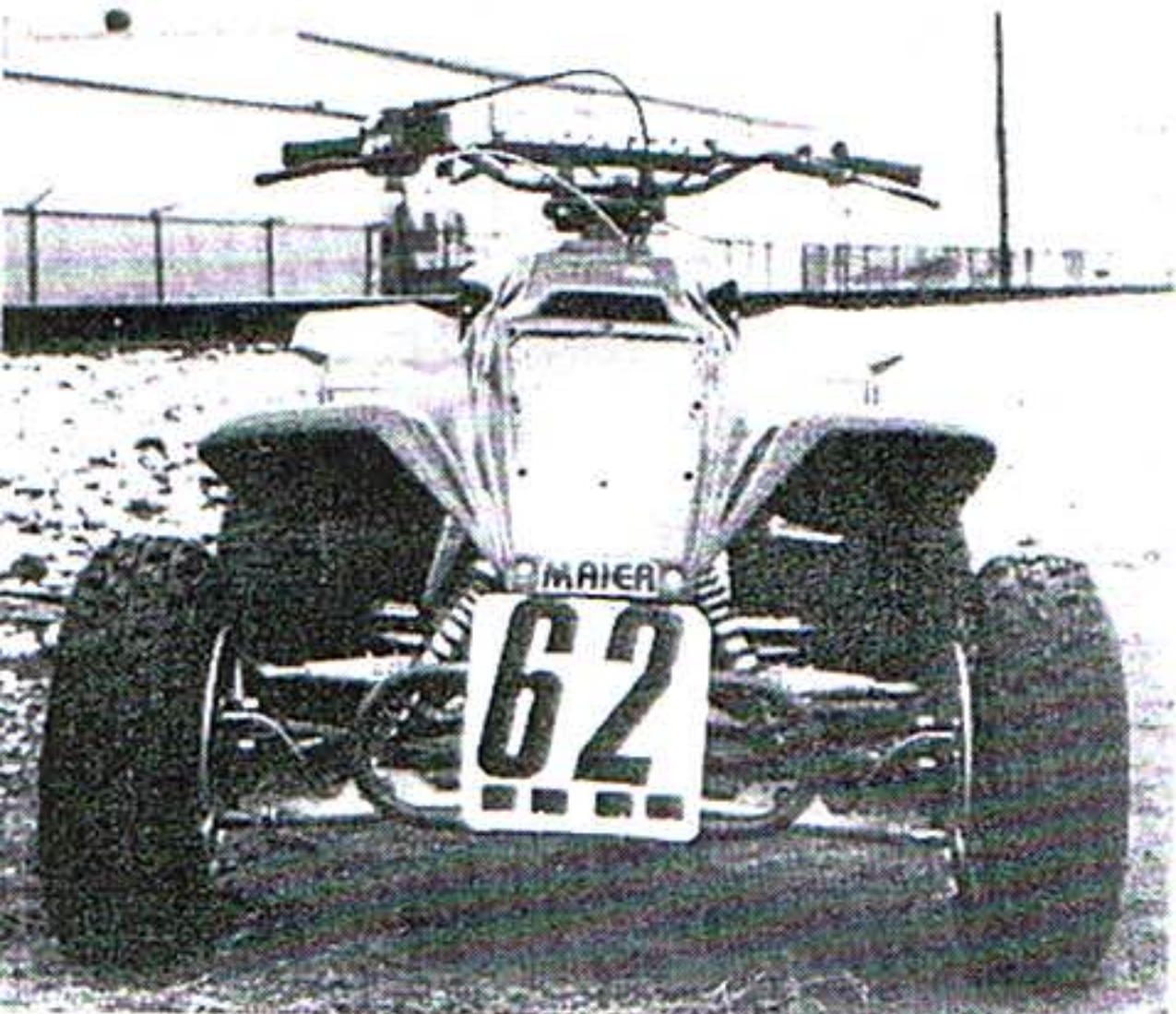
\$1195.00. These units make an exceptional conversion. They look and handle great and are very light weight. Colors available: red, white, yellow.

This ATC is an excellent choice to convert. Eat Honda TRX 250S for lunch. They look and handle superb.

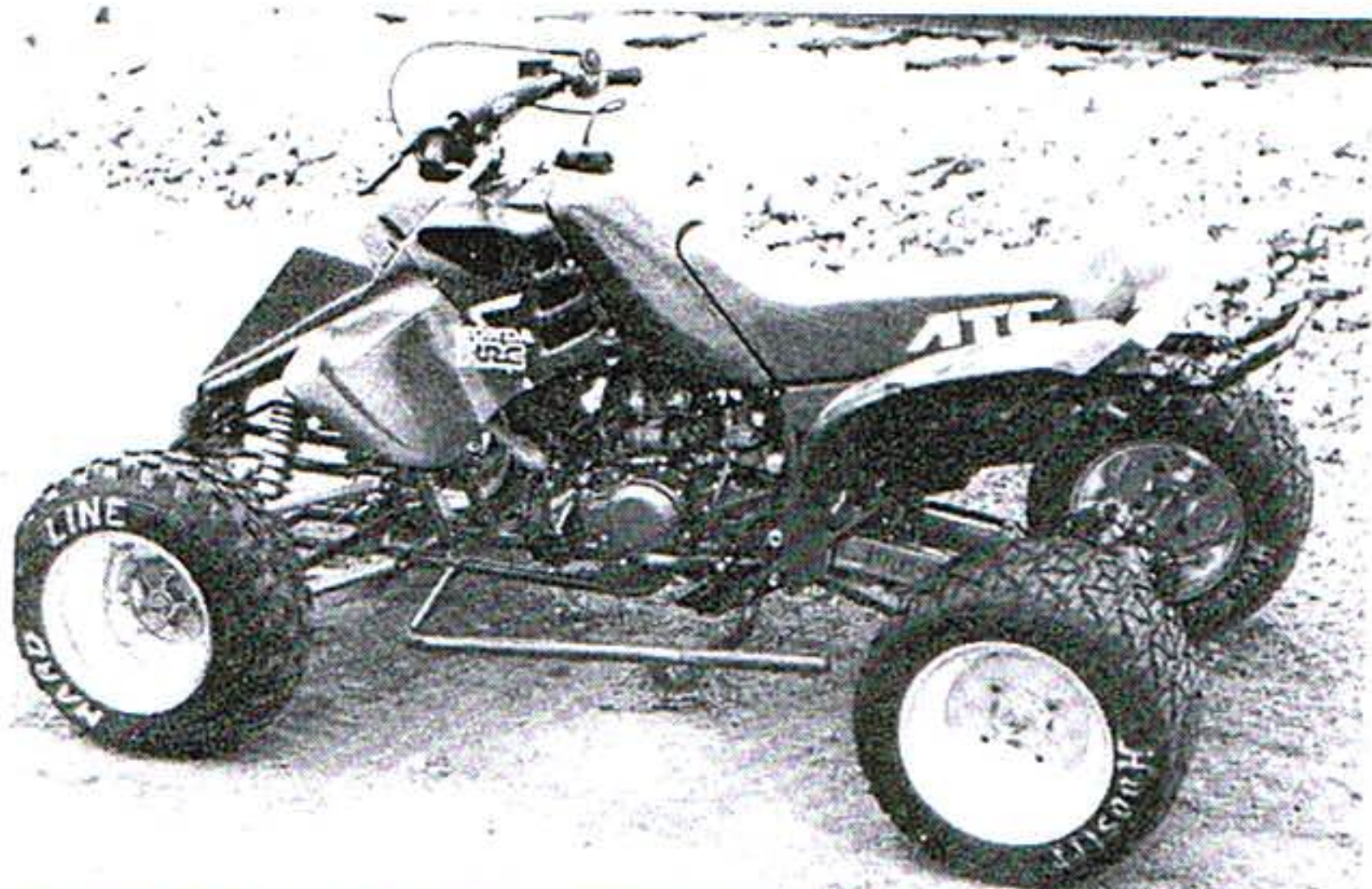
1985-86 HONDA 250R

\$1195.00. This Honda is a beautiful ATC to convert. This unit will provide you with many years of riding enjoyment.

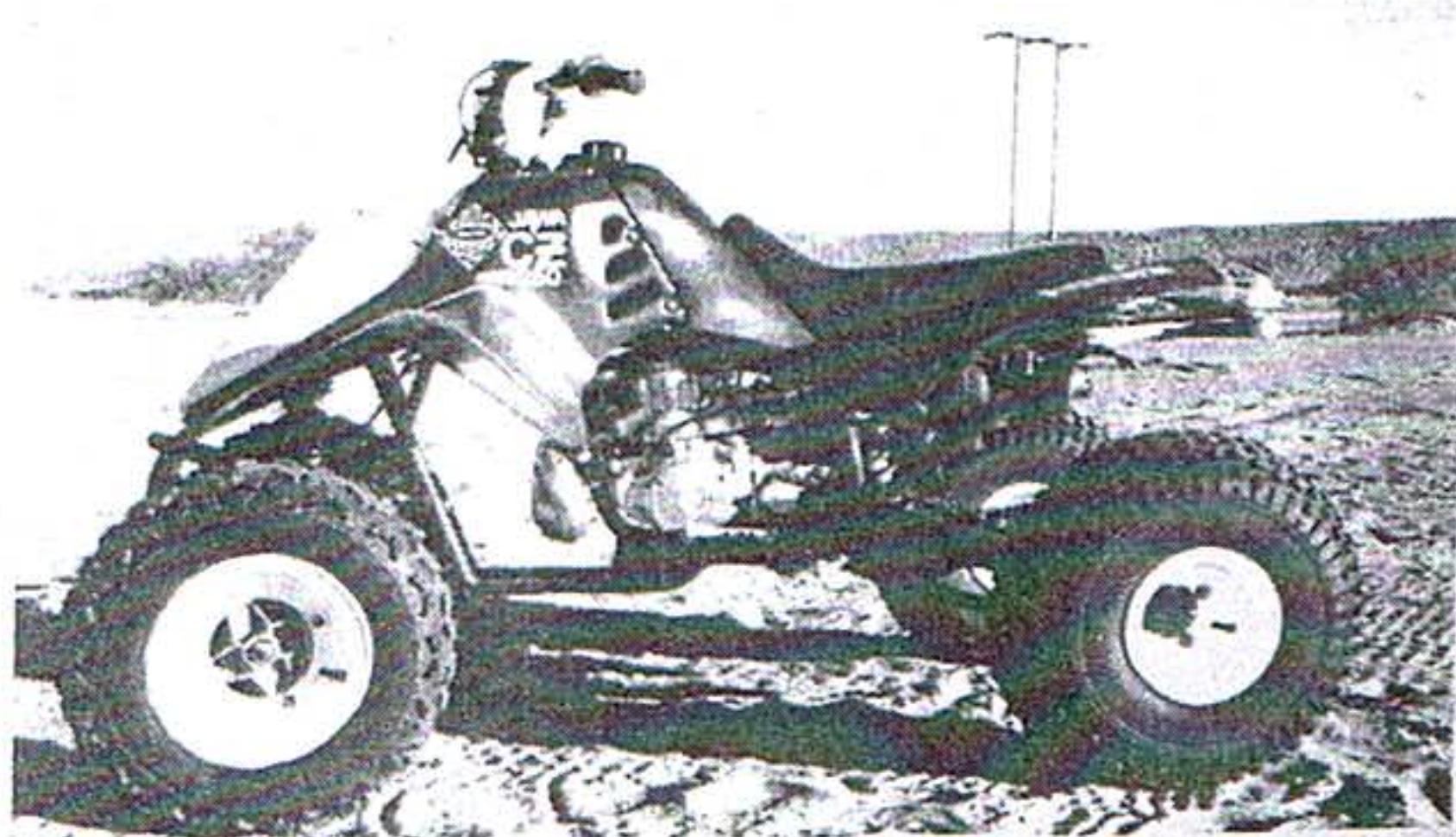
Do you have an odd project? Are you looking for a hard-to-find bits and pieces for a one-of-a-kind masterpiece? Call us—we may have that part you've been looking for.



'83 HONDA 200X \$1195.00



250CC JAWA CZ MOTOR CUSTOM



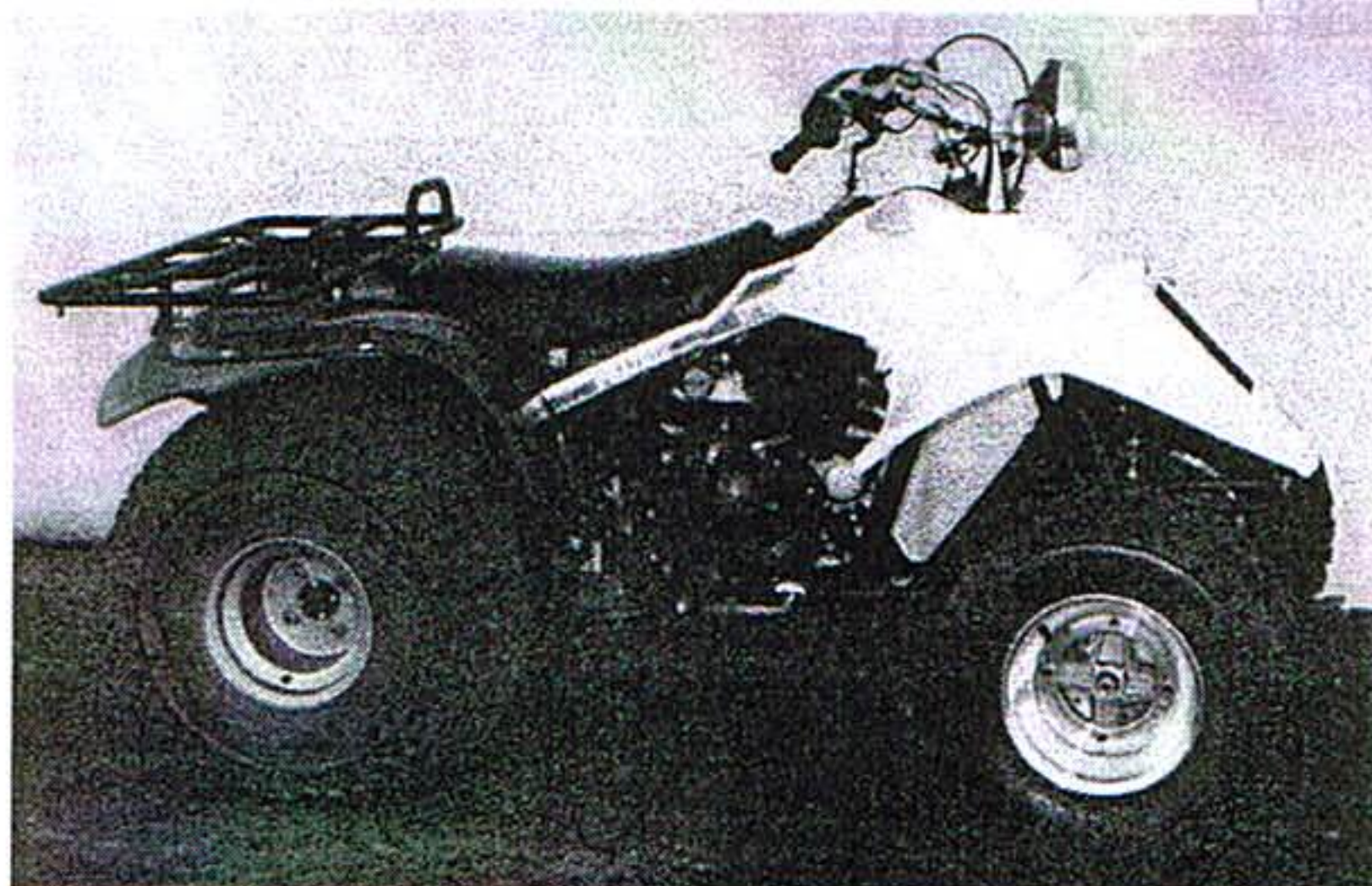


'85 HONDA 250 BIG RED

\$1195.00. Why pay four to five thousand dollars for a new quad when you can convert your ATC and have one of these?

'85 BIG RED

\$1195.00. This unit does not come with brackets to mount front racks. All of the units pictured on this page make excellent utility on working quads. You will enjoy riding your ATV like never before. If you hunt or fish, this conversion will work perfect for reaching that blind or secret fishing hole. Includes a hydraulic master cylinder.



250SX HONDA

\$1195.00. This is one of our most popular conversion kits. Includes a hydraulic master cylinder.

KAWASAKI PRAIRIE

\$1195.00. This makes an excellent utility quad. Includes hydraulic master cylinder. **Note:** Black fenders are not available.



**'85-'86
HONDA
350X**

\$1195.00. Comes with red or white fenders. *The 350X conversions are absolutely a blast to ride. Your friends will wish they didn't spend \$5000.00 for that Yamaha Warrior.*



You will be amazed at how plush the 350X suspension is. It really rides great, and looks great too!

YAMAHA 225 DX

\$1195.00. We carry all colors except blue and black fenders. Includes a hydraulic master cylinder. This unit makes a great low cost utility quad at only a fraction of the cost of a new one.



'86 TECATE

\$1195.00. This bike turns everyone's head. This quad conversion is lightweight and ultra fast. It smokes Honda TRX250's. Notice the fenders on this unit. We think you will agree that they look like factory parts.



ASTRO SUSPENSION PARTS LIST

PART NO.	DESCRIPTION	AMOUNT
AS-500	Standard Upper A-Arm.....\$	50.00 ea.
AS-501	Standard Lower A-Arm.....	50.00 ea.
AS-504	A-Arm Nylon Bushing.....	2.50 ea.
AS-505	A-Arm Inner Sleeve.....	2.00 ea.
AS-506	Upper Rod End 14mm.....	19.95 ea.
AS-507	Lower Rod End 11/16".....	22.95 ea.
AS-508	5/8" Jam Nut.....	.50 ea.
AS-509	1/2" Jam Nut.....	.50 ea.
AS-510	Knuckle Spindle.....	75.00 ea.
AS-511	Large Bearing.....	10.95 ea.
AS-512	Hub Spacer.....	6.00 ea.
AS-513	Small Bearing.....	7.95 ea.
AS-514	Spindle Spacer.....	2.00 ea.
AS-515	Spindle Washer 9/16.....	.95 ea.
AS-516	9/16 Castle Nut.....	.95 ea.
AS-517	1/8 x 1-1/4 Cotter Pin.....	.50 ea.
AS-518	Steering Arm Left.....	5.00 ea.
AS-519	Steering Arm Right.....	5.00 ea.
AS-520	Brake Bracket.....	7.95 ea.
AS-521	Tie Rod End Right 14mm.....	19.95 ea.
AS-522	Tie Rod End Left 14mm.....	18.95 ea.
AS-523	Brake Rotor (drilled).....	45.00 ea.
AS-524	Button Head Socket.....	.75 ea.
AS-525	Lug Studs 5/16.....	.75 ea.
AS-526	Lug Nuts Wiz.....	.75 ea.
AS-527	Aluminum Rim Polish.....	49.00 ea.
AS-531	Brake Caliper Right.....	45.00 ea.
AS-532	Brake Caliper Left.....	45.00 ea.
AS-533	Brake Half Left.....	29.00 ea.
AS-534	Brake Half Right.....	29.00 ea.

PART NO.	DESCRIPTION	AMOUNT
AS-535	Brake Pads.....	29.95 pr.
AS-536	O Ring Brake.....	8.00 ea.
AS-537	1/8 x 1-1/4 Cotter Pins.....	.50 ea.
AS-538	20" Brake Line.....	36.00 ea.
AS-539	36" Brake Line.....	45.00 ea.
AS-540	10mm 1.0 Banjo.....	4.95 ea.
AS-541	10mm 1.25 Banjo.....	4.95 ea.
AS-542	Bulk Head T.....	8.00 ea.
AS-543	3/8 x 24 Jam Nut.....	.50 ea.
AS-544	Thrust Washer.....	.50 ea.
AS-545	Aluminum Hub.....	75.00 ea.
AS-546	Handle Bar Clamp Lower.....	15.00 ea.
AS-547	Handle Bar Clamp Upper.....	10.00 ea.
AS-548	Headset Plate, Headset Broach.....	35.00 ea.
AS-549	Lower Bearing.....	12.00 ea.
AS-550	Steering Box.....	49.95 ea.
AS-551	5/8 Washer.....	.75 ea.
AS-552	5/8 Lock Nut.....	.75 ea.
AS-553	3/4 SAE Washer Top.....	.75 ea.
AS-554	3/4 Lock Nut.....	2.00 ea.
AS-555	Steering Post with Top Plate.....	79.00 ea.
AS-556	Hood & Number Plate.....	49.00 ea.
AS-557	Top Cap.....	20.00 ea.
AS-558	Left Fender.....	60.00 ea.
AS-559	Right Fender.....	60.00 ea.
AS-560	Tie Rod.....	25.00 ea.
AS-562	Oil Shocks.....	169.00 ea.
AS-563	Works Oil Shocks.....	call on price
AS-564	Works with Reservoir.....	call on price



We can build special Drag Race Astro Conversions. These are for experienced riders only.

Popular conversions are: Kawasaki H-2 750cc Two Stroke Motors, Honda CR500 Motorcycle Conversions, or any large motorcycle motor. These conversions can be

ordered in complete kit form or you can purchase the parts piece by piece.

This is a 750cc Kawasaki which features an Astro Conversion 1985 Honda 250R ATC frame. We custom installed the motor which produces about 130 horsepower. Notice the clean body lines and the factory appearance of this ATV. Building a unit of this type can be very expensive, but if it is done right the resale value of the machine will remain very high.

PARTS COMPARISON & SPECIFICATIONS

ASTRO

FRONT SPINDLES: 4340 Chromealloy heat treated and stress relieved

FRONT KNUCKLES: Hi Tensile Steel

TIE RODS: 1020 DOM Tube

FRONT BRAKES: Hydraulic Disc

FRONT BRAKE ROTOR: Ventilated Rotor

FRONT HUBS: 356T6 Aluminum 4 Bolt Wheel Pattern that accepts standard front wheel for Suzuki Quadracer. Hub is heat treated and shot peened for maximum strength.

FRONT TIRES: 700 X 22 X 10 Carlisle Knobby

FRONT FENDER: These fenders speak for themselves. Extensive expense and effort has been spent on our fenders. Fenders are available in most colors. These units are made by Maier Plastic. Fenders match the units body lines and blends into the gas tank for that factory look.

SHOCKS: Gas 13.250 Eye to Eye Progressive Suspension.

WHEEL TRAVEL: 8"

WEIGHT: Adds about 20 honest lbs. to your ATV.

TRACK: 41" to 44" depending on unit style.

WHEEL BASE: 47" to 51" depending on unit style.

FRAME CONSTRUCTION: Welding Alloy Tube 1" x .095 wall 1018 Mild Steel.

GROUND CLEARANCE: 11-1/2"

BRAKE LINES: Braided steel.

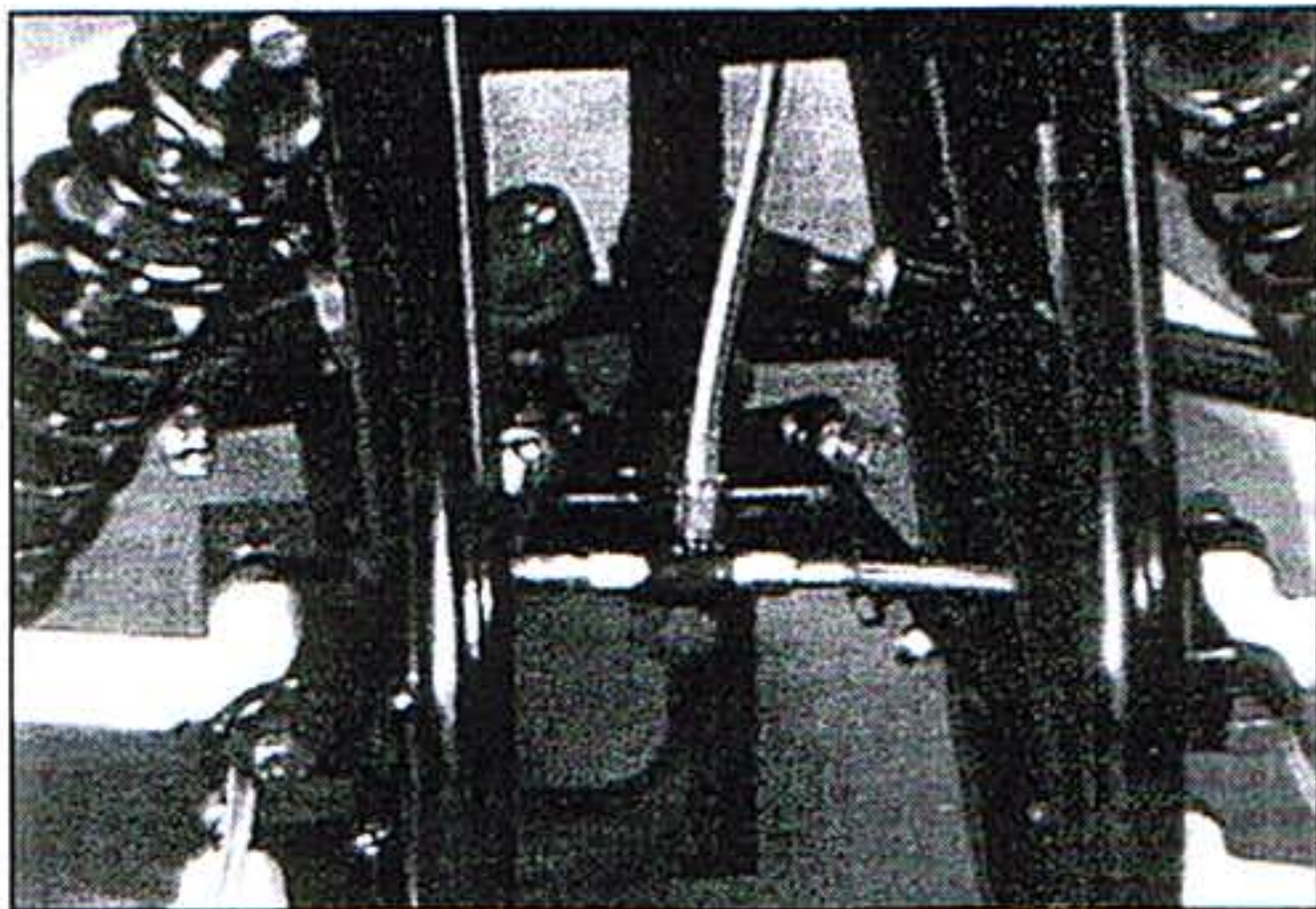
FRONT HOOD: We use a ventilated front number plate assembly.

FRAME MOUNTING: Weld on. Welding is very minor. Welding time is usually 1 hour. Installation time is usually 7 hours.

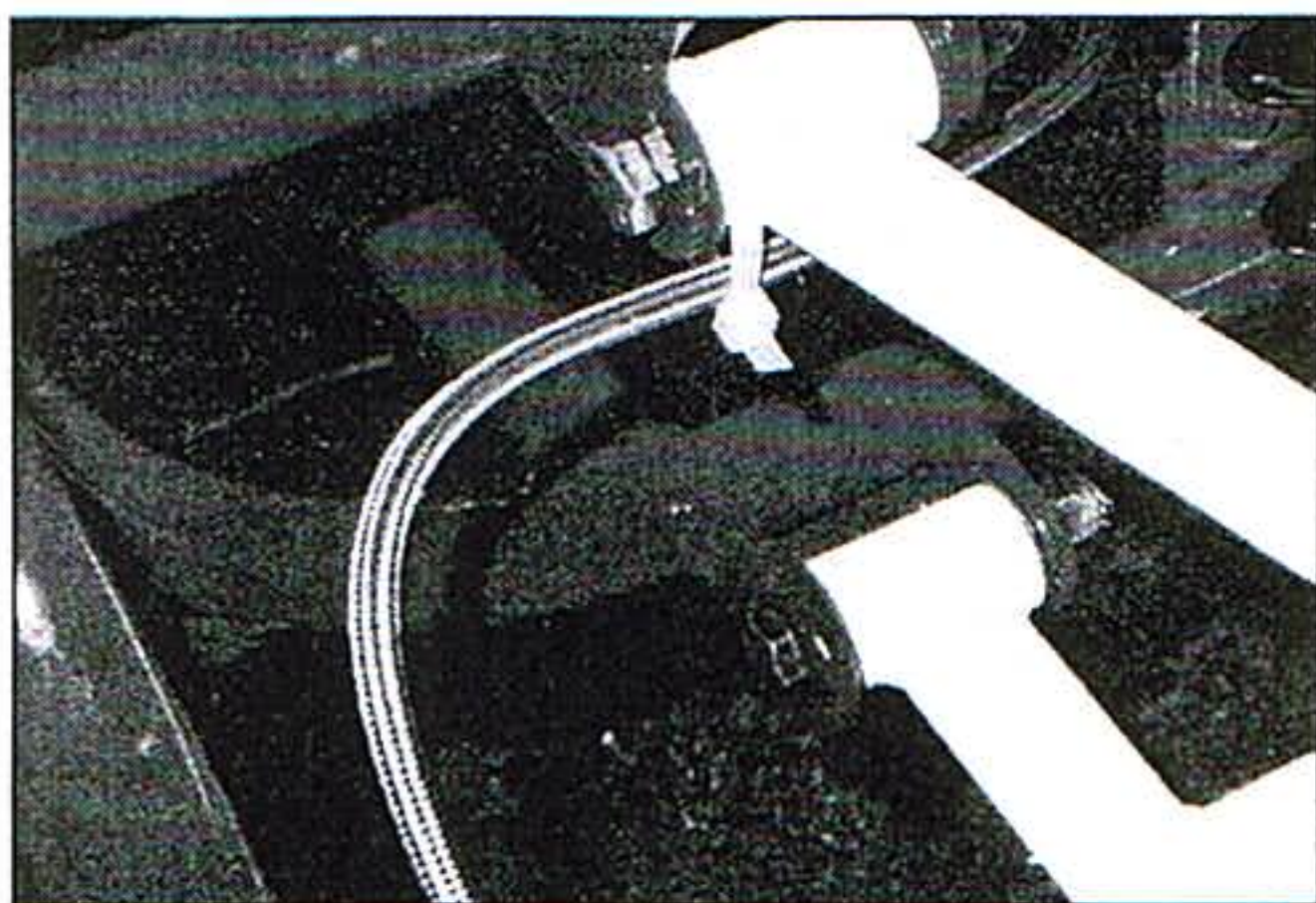
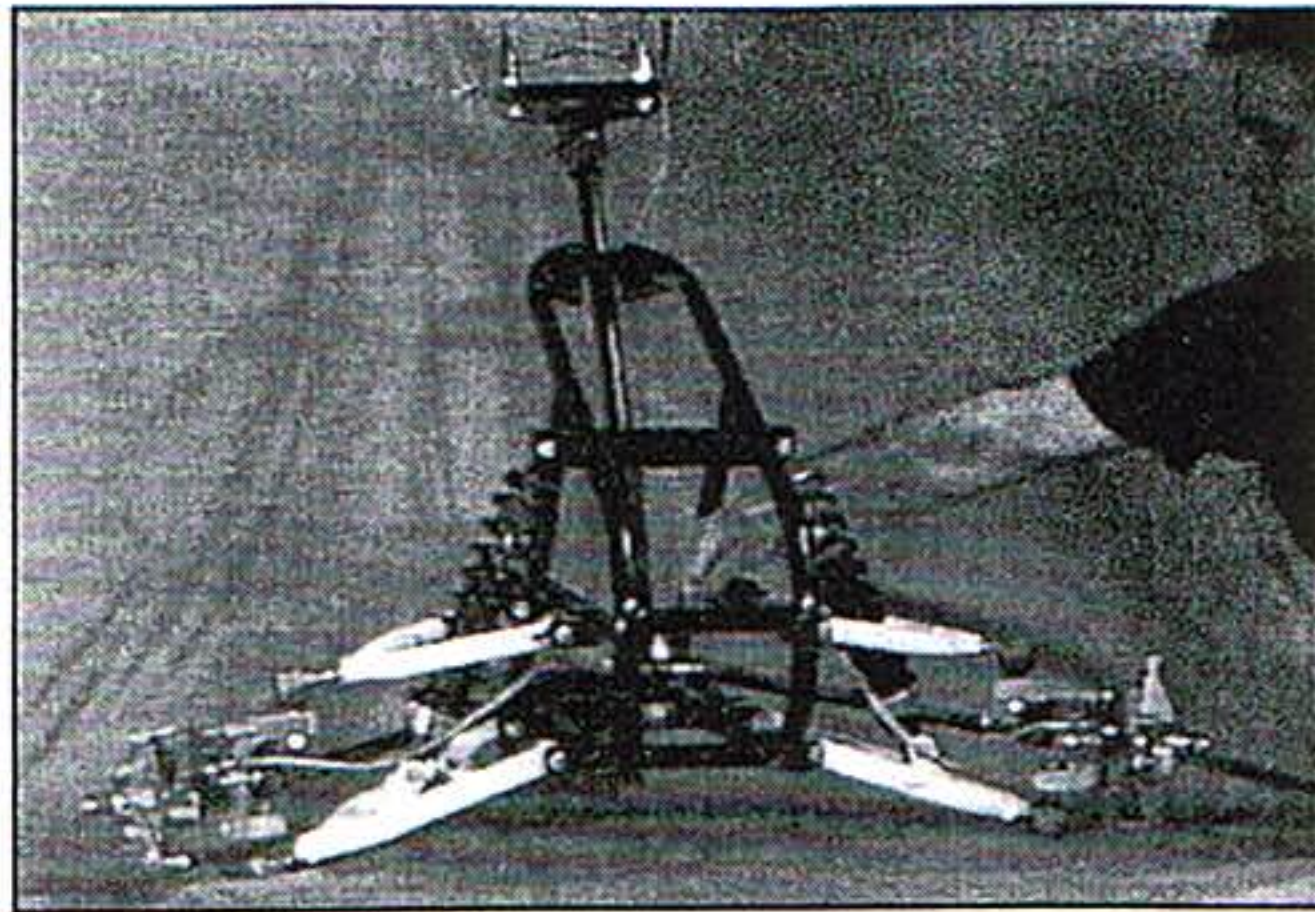
NUTS & BOLTS: Fasteners are grade five or better. Experience has taught us to use high quality fasteners.

OPTIONS: Front bumpers, nerf bars, racing type gas shocks with remote reservoir (**Note:** All options are available at extra cost).

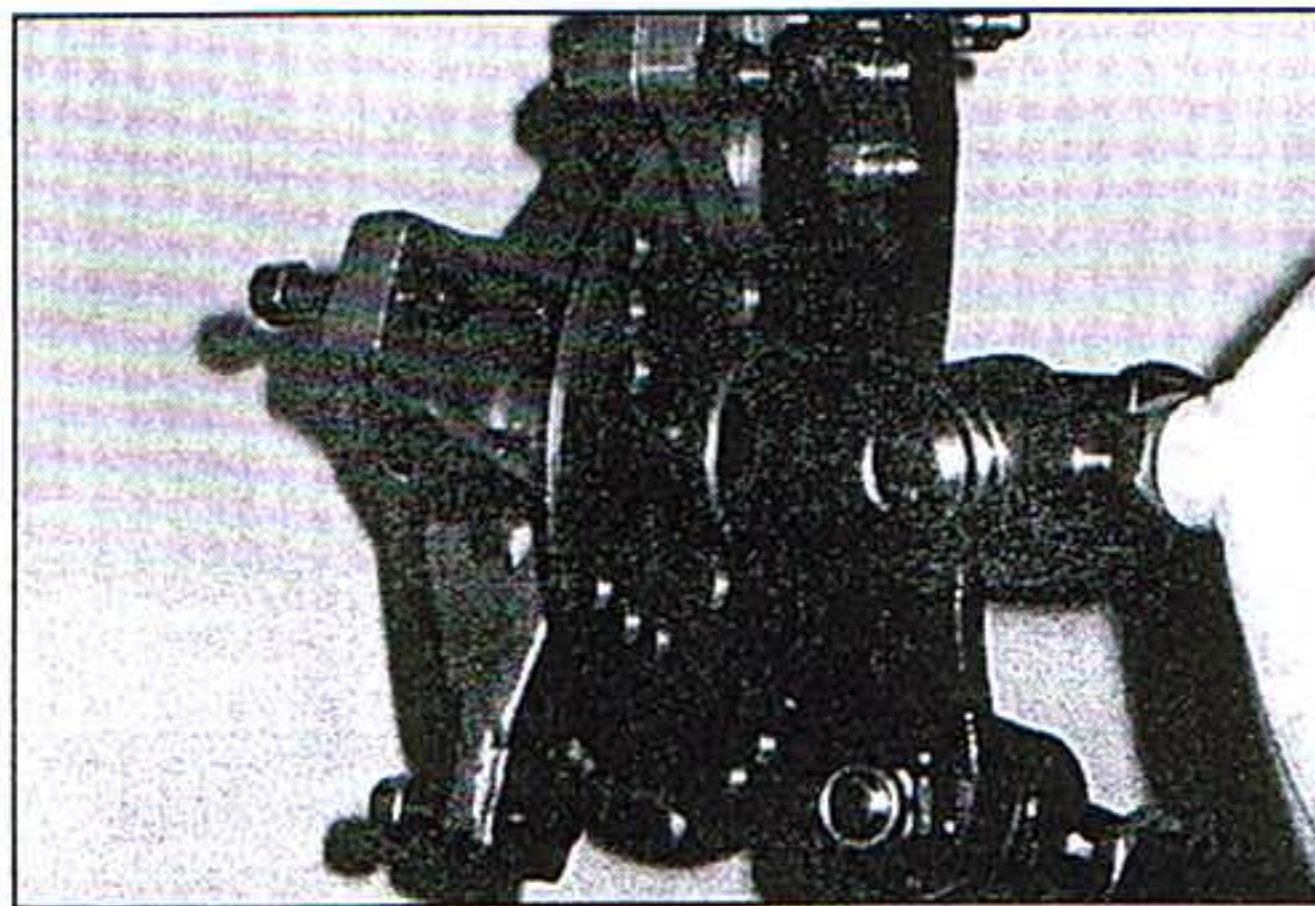
ASTRO PARTS PICTURES



Note braided steel brake lines, and sealed automotive tie rod ends.



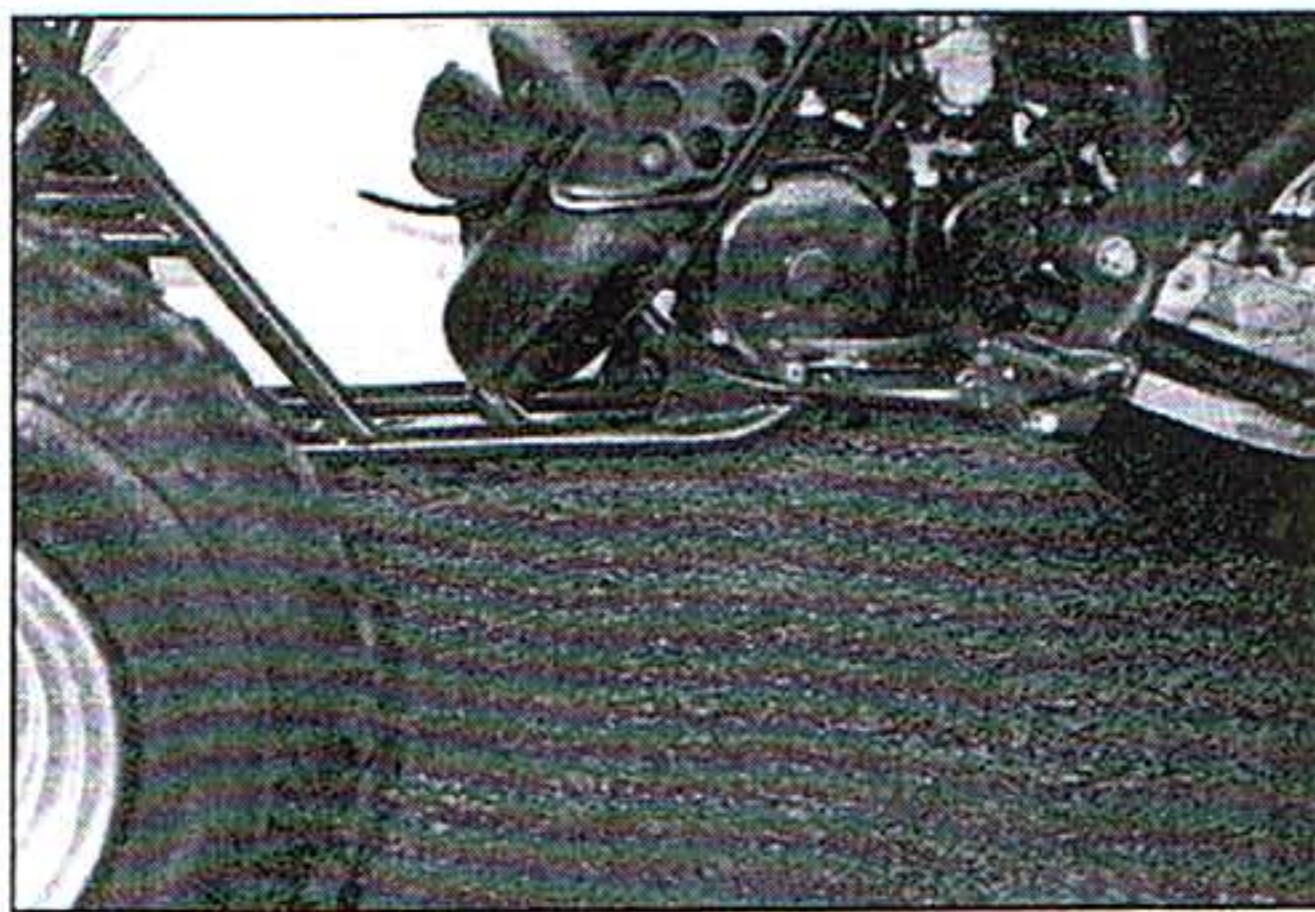
We only use quality nuts and bolts on our conversions.



All machined parts are CNC machined for optimum accuracy.



Front cargo racks are easily adaptable to our Astro conversion kits.



All Astro conversion sub frame assemblies weld securely to your ATC frame.