

MAKE CONSTRUCTION EASIER

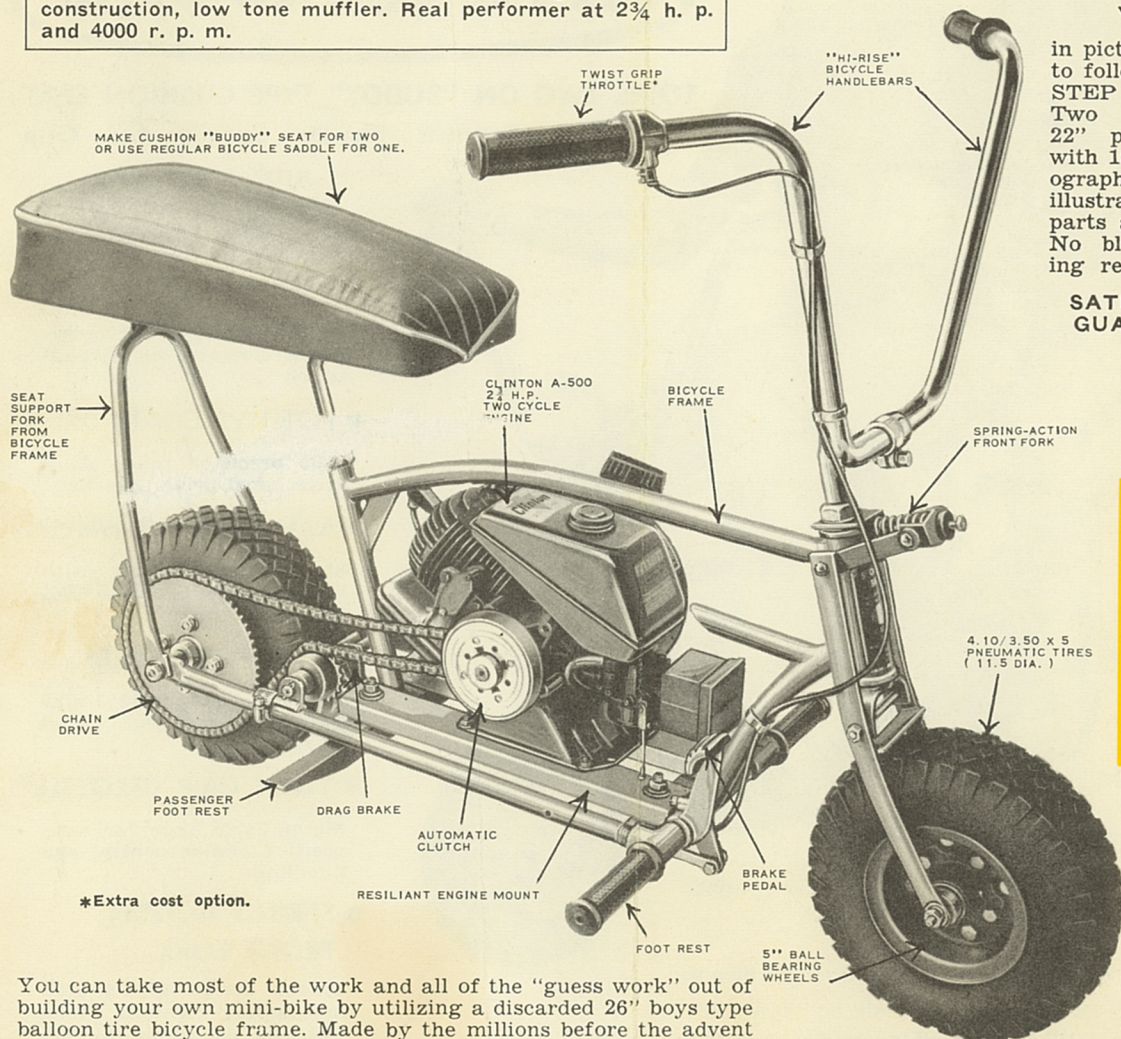
AND BUILD A BETTER MINI-BIKE

BY USING OLD BICYCLE FRAME

- Ball Bearing steering
- Adjustable seat post
- Forged steel front fork
- Economical parts and accessories
- Adjustable handle bars

CLINTON A-500 2-CYCLE ENGINE

Special Model for Mini-bikes with automotive type direct speed control. Clockwise rotation puts recoil starter and choke up front, exhaust in rear. Light weight aluminum construction, low tone muffler. Real performer at 2 3/4 h. p. and 4000 r. p. m.



*Extra cost option.

You can take most of the work and all of the "guess work" out of building your own mini-bike by utilizing a discarded 26" boys type balloon tire bicycle frame. Made by the millions before the advent of the newer light weight bicycles these frames are readily obtainable from bicycle shops or salvage yards. Our plans show you how to cut down the bicycle frame and make the other parts from pipe and iron bar. No machining is required. Hacksaw, hand tools, and vise are all you need. Frame is assembled with simple welding your local shop can do.

Build It Yourself

\$200 DETAILED PLANS
ONLY

Deductible with orders of \$25.00 or more

Easy to Build

Plans Show You How

in pictures and easy to follow STEP-BY-STEP instructions. Two large 17" x 22" printed sheets with 10 actual photographs and detail illustrations of all parts and assembly. No blueprint reading required.

SATISFACTION GUARANTEED

Kits Parts Engines At Factory Discount Prices

Build TIG'R-BIKE

WITH PARTS KITS

Priced \$10 to \$16 less than parts bought separately

(See illustrated parts list on reverse side)

KIT NO.	PRICE
TB-12 TIG'R-BIKE STANDARD KIT. Includes #425 Front wheel, #425-F Rear wheel with #435-60 Sprocket attached, #423 Axles, #431 Clutch (12 tooth 5/8" bore unless otherwise requested), #435-48" Roller Chain, #436 Idler Sprocket, #457 Throttle Lever, #455 Brake Kit, #410 Special Pipe Tees, #411 Foot Rest Grips, #414 Rubber Shock Mounts, #415 Engine Rails, and #412 Spring Fork Mechanism. Includes steel bar for construction of frame cross pieces, rear axle forks, and front fork spreader as shown in plans. Iron pipe and accessories listed below not included. (27 lbs.)	\$49.90*
T-B 32 TIG'R-BIKE STANDARD KIT WITH ENGINE. TB-12 Kit with 2 3/4 h. p. Clinton A-500, Special Bike Engine	\$49.90*
TB-13 TIG'R-BIKE SPECIAL KIT. Same as TB-12 except 72 tooth rear sprocket and 11 tooth x 5/8 bore clutch. Provides 6.5 to 1 ratio, 2600 r.p.m. engagement for use with Lauson/Power Products Model AH 51, 2 1/2 h. p. engines. (28 lbs.)	\$51.50*
TB-4 CLINTON MINI-BIKE ENGINE. Model A500-2 3/4 h. p. same as included in TB-32 Kit. Clockwise rotation puts controls up front, exhaust in rear. Low tone muffler, 5/8" diameter shaft, recoil starter. (24 lbs.) \$54.50 list price, discount priced at	\$39.90*
* TWIST GRIP THROTTLE, Part #428, extra cost on all Tig'r-Bike Kits. Add \$3.00 to kit price.	

TIG'R-BIKE ACCESSORIES

PART NO.	PRICE
428 TWIST GRIP THROTTLE. Motorcycle type, 35" cable with clevis for engine throttle attachment. Fits standard 7/8" O. D. handle bars, no sawing, no holes to drill (1 lb.) Discount priced at	\$5.50
413 SPRING-ACTION FRONT FORK for use with #412 Spring Fork Mechanism. Forged steel bicycle fork, modified and welded as shown on plans, ready to install to Tig'r Bike frame, (3 lbs.)	\$4.50
416 FENDERS Pair, heavy 18 gauge rolled and formed steel fenders, not painted, Attachment bracket and clamps for attaching rear fenders to seat post support included	\$4.40
441 HIGH-RISE HANDLE BARS 31" wide, 7/8" O. D. chrome plated handle bars. (3 lbs.)	\$1.75
446 SEALED BEAM HEADLAMP. Powerful 5-ft. wide beam of light. Chromium trim. Uses standard 6-volt lantern battery (not included). (2 1/4 lbs.)	\$4.90
447 TAIL LIGHT. Bicycle type, red plastic lens. Uses single flashlight battery, not included. (80c each) PAIR (1/2 lb.)	\$1.35

For That Little Brother or Sister! Build THE Kinderwagen

Complete Plans Only
\$2.00
REFUNDABLE

SAFE, SENSIBLE MOTORCART

for Children
Ages 3 to 13

SPEEDS
2 to 10 m.p.h.
with 2 H. P. Engine



**Fun to Build!
Fun to Drive!**

No intricate wood work required. Simple plywood construction, assembled with bolts and wood screws. Specifically designed for the average home craftsman to build with household carpenter tools.

- SINGLE LEVER CONTROL, forward, reverse, stop and brakes.
- GEARED automotive type steering
- POWER REVERSE with V-belt drive to both rear wheels

Order No. Build-It-Yourself Price

KW-1 PLANS, FULL-SIZE PATTERNS for all wood parts, sheet metal fenders. Plans include detail instructions, photographs, and assembly drawings.....\$2.00

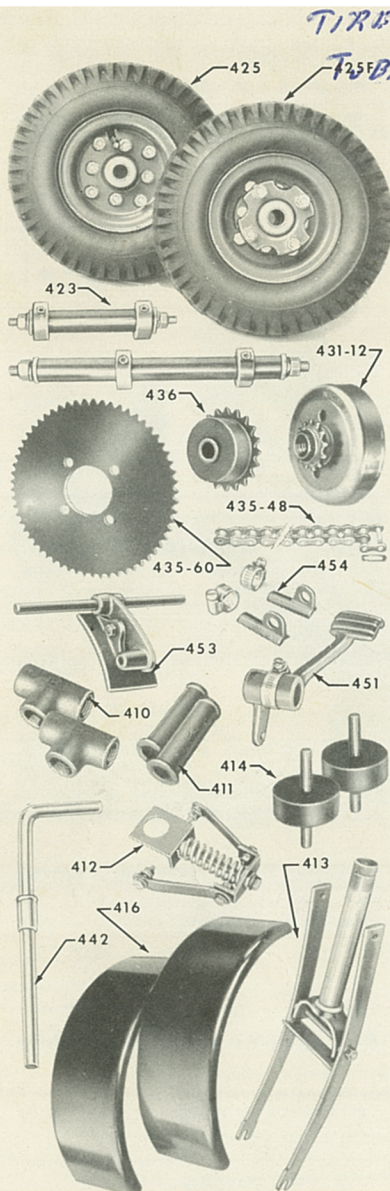
REFUNDABLE WITH FIRST ORDER

PARTS KITS (Order Plans Separately)

KW-12 STANDARD KIT of Mechanical Parts. Includes KW-14 Wheels, all Manufactured Mechanical Parts, V-pulleys, and V-belts, PLUS all bolts, screws, and washers. (Does not include any wood parts, sheet metal belt guard cover and fenders). Shipped in two cartons; weight 60 lbs.\$49.90

KW-22 STANDARD KIT and ENGINE. Complete KW-12 Standard Kit with new BRIGGS and STRATTON light weight aluminum engine, Model 6B-S, 2 h. p., 4 cycle air cooled, recoil starter. SAVE \$13.50! Shipped in three cartons, weight 79 lbs.\$79.90

KW-14 WHEELS only. 10" x 75" semi-pneumatic puncture proof lug type tires. Spot welded steel construction, welded steel center tubes for greater strength. Red enamel finish 5/8" BALL BEARINGS. Rear (drive) wheels have #141 pressed steel V-pulleys attached. Not recommended for speeds in excess of 12 miles per hour. Front wheels \$4.25 each. Rear wheels with pulleys attached \$6.25 each. Set of two each front and rear, weight 29 lbs.\$19.90



TIG'R BIKE PARTS LIST

(See reverse side for complete kits)

PART NO.	WHEEL AND AXLES	PRICE
425-F	REAR WHEEL 4.10/3.50 x 5" stud tread pneumatic tire (11.5" diameter), two piece steel wheel with 4 1/4" off-set hub with flange and 4 bolts for mounting drive sprocket, 3/4" HEIM ball bearings, (7 lbs.)	\$12.90
425	FRONT WHEEL. Same as above except 3" centered hub for front fork mounting. (5 1/2 lbs.)	\$10.90
423	AXLES. For all 3/4" bore ball bearing wheels. Threaded ends for fork mounting, 4" front axle, 8" rear axle. (2 lbs.)	\$2.40
AUTOMATIC CLUTCHES, SPROCKETS, ROLLER CHAIN		
MERCURY CLUTCHES Sprocket type, special design for mini-bikes. Key slot and socket, 1800 R.P.M. engagement for most 4 and 2 cycle engines, 2200 or set screws for shaft mounting. 3000 R.P.M. engagement on request. List price.		
431-12	CLUTCH, 12 tooth. State choice of 5/8" or 3/4" bore (2 lbs.)	\$12.90
431-11	CLUTCH, 11 tooth. State choice of 5/8" or 1/2" bore (2 lbs.)	\$12.90
431-13	CLUTCH, 13 tooth. State choice of 5/8" or 3/4" bore (2 lbs.)	\$12.90
431-4	CLUTCH FRICTION SHOES. For replacement of all #431 clutches. Set of four. (1/4 lb.)	\$3.00
431-5	CLUTCH SPRING. For replacement. State choice of 1800, 2200, or 3000 R.P.M. engagement.	\$.55
436	IDLER SPROCKET. 20 tooth for #35 chain. 1/2" bore, Oilite oilless bronze bearing, two 1/2" shaft collars for mounting on brake shoe assembly. (3/4 lbs.)	\$3.50
435-60	SPROCKET. 60 tooth for #35 chain. Steel plate type for rear drive wheel. 7.38" dia. 1 1/8" center hole, bolts directly to flange of 425-F wheels. (1 1/2 lbs.)	\$2.90
435-72	SPROCKET. Same as above except 72 teeth, 8.8 dia. (2 1/2 lbs.)	\$3.40
435-48	#35 ROLLER CHAIN. 4 ft. long, connector link included. Use with 60 tooth sprocket. (3/4 lb.)	\$4.40
435-51	#35 ROLLER CHAIN. 4 1/2 ft. long, connector link included. Use with 72 tooth sprocket. (3/4 lb.)	\$4.70
435-C	#35 ROLLER CHAIN. Same as above cut to length. Connector link included. (1/5 lb. per foot) per foot	\$1.25
435-M	CONNECTOR LINK. Same as furnished with chain. Each 30c. Two for.	\$.55
435-H	OFFSET HALF LINK. Use only when necessary to shorten or extend chain. 3/8". Each	\$.45
BRAKE PARTS, THROTTLE LEVER		
455	BRAKE KIT. Includes pedal, rod, hangers, and brake shoe assembly (3 lbs.)	\$5.90
451	BRAKE PEDAL. Cast aluminum with split journal bearing for mounting to 1/2" iron pipe frame. Worm-gear clamp included (1/2 lb)	\$1.60
452	BRAKE ROD. 5/16 dia. rod with adjustable steel yoke, pedal return spring (1/2 lb.) Not illustrated.	\$1.50
453	BRAKE SHOE ASSEMBLY. Contoured cast aluminum drag and lever assembly, 1/2" dia. steel hanger shaft. Drag is self-aligning with tread of tire for maximum braking effect. (1 1/4 lbs.)	\$3.00
454	BRAKE HANGERS. Attach to pipe frame with worm-gear clamps to support brake shoe assembly. Pair with clamps. (1 1/4 lb.)	\$1.10
457	THROTTLE LEVER. Lever Type throttle control, 66" cable (cut off to length required). Attach to handle bars with self-tapping screws and cable clips included. (3/4 lb.) Not illustrated.	\$1.60
FRAME PARTS		
410	TEES FOR PIPE FRAME. Special streamline plain type tees threaded for 1/2" iron pipe. Set of two (3/4 lb.)	\$.75
411	FOOT REST GRIPS. Heavy rubber grips for foot rests. 7/8" I. D. Set of two (1/2 lb.)	\$.45
412	SPRING FORK MECHANISM. Completely assembled, ready to attach to frame and modified front fork as shown in plans. Streamlined cast aluminum and steel construction. (3/4 lb.)	\$3.50
414	ENGINE RAIL SHOCK MOUNTS. Four rubber cushion pads with 3/8" imbedded bolts to cushion engine vibration. Nuts and washers included for attachment to frame. Set of 4 (1 1/4 lbs.)	\$1.50
415	ENGINE RAILS. Rigid, light weight, steel box beam rails, not drilled. (Not illustrated) Pair (1 1/2 lbs.)	\$2.00
BICYCLE PARTS (NOT INCLUDED IN KITS)		
441	HIGH-RISE HANDLE BARS. 31" wide, 7/8" O. D. Chrome Plated. (3 lbs.)	\$1.75
442	90° SEAT POST. 13/16" dia. seat post with 5/8" 90° extension. Use in place of standard seat post to position saddle in forward position. (1 1/2 lbs.)	\$1.00
443	SEAT POST CLAMP. Use with angle brackets as shown in plans to attach board for cushion seat 3/4" dia. to seat post. (1 1/4 lb.)	.75
444	HANDLE BAR STEM. Bicycle replacement stem, fits standard handle bars and front forks. Beautiful chrome finish. (1 lb.)	\$1.50
445	SADDLE. Bicycle saddle, heavy duty black vinyl cover with chromium scuff plates. 9 1/2" wide x 11" long. Double coil springs for maximum riding comfort. (4 1/2 lbs.)	\$3.50
448	FRONT FORK. Replacement front for 26" balloon tire bicycles, for making your own spring action or solid front fork. Heavy duty solid forged steel type. (2 1/2 lbs.)	\$2.50

BUILD A...
BETTER BIKE
...FOR LESS!

Direct Factory
Discount Prices!

ORDER PLANS
KITS & PARTS
. . . . TODAY!

EASY TO BUILD
MINI-BIKE

BUILD-IT-YOURSELF
TIG'R-BIKE

FROM OLD 26-INCH BICYCLE FRAME

SAVE \$50 to \$150

TOTES TWO ON "BUDDY" TYPE CUSHION SEAT
—Or Use Regular Bicycle Saddle for One

RIDE TIG'R BIKE
FOR WORK, FOR FUN,
FOR PLAY

● AUTOMATIC CLUTCH

Special design for mini-bikes. Smooth, centrifugal action.

● POSITIVE CHAIN DRIVE

#35 precision roller chain drive, steel drive sprockets.

● BALL BEARING WHEELS

Strong, steel wheels with ball bearings. Grease fitting for lubrication.

● PNEUMATIC TIRES

Big, soft-riding 4.10/3.50x5 Carlisle sure-grip stud tread tires.

● TWIST GRIP THROTTLE*

Motor-Cycle type for safe, positive engine control and handling.

● SPRING ACTION FRONT FORK

Special design spring fork mechanism and fork smooths out bumps for extra riding comfort.

*Extra cost option.

REAL
ACTION
GO-GO!

30 M.P.H.

100 Miles per
Gallon with
CLINTON
2 3/4 H. P.
Go-Cart Engine

● 45" overall length, 34" handle bar height, 25" to top of seat; weighs 75 lbs.

● Handle bars fold down for 25" over-all height for easy storage in automobile trunk. Loosen only one bolt to fold. Nothing to disassemble.

Fascinating Project the Whole Family Will Enjoy