

FROM
cArbs
TO
customiZing



cool
custom
car
chatter

by
**DARRYL
STARBIRD**

Monogram

the NAME FOR *Quality*
HOBBY KITS



WHAT IS A **Rod?**

WHAT IS A **Custom?**

... AND HOW DID IT ALL BEGIN?

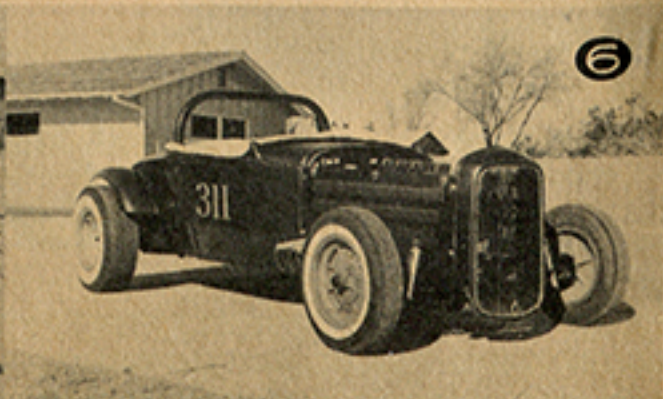
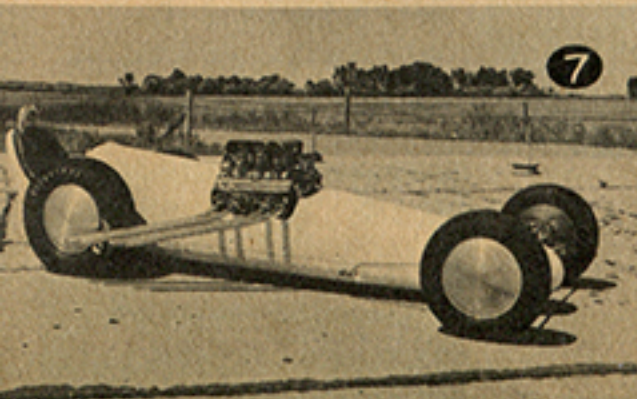
A hot rod is an automobile that has been re-worked in the power department to provide more speed and faster acceleration. A custom has been altered to change its appearance. It may have only minor changes to the body, or it may be a completely original, hand built car.

The first hot rod and the first custom, probably appeared shortly after the first automobiles were built. Some owner sought more speed . . . another owner wanted "something different." These are still the reasons for modern hot rods and customs.

The great popularity of the automobile and the growing number of "hot rodders" and "customizers" has brought about a new language of automobiles. This booklet attempts to list and define some of the most common of these terms.

TYPICAL EXAMPLES OF CUSTOM CARS. 1/ Experimental or Dream Car, the Furturista by Starbird. 2/

Full or Radical Custom, 1951 Mercury. 3/ Custom, 1955 Chevrolet. 4/ Semi-Custom, 1946 Cadillac. 5/

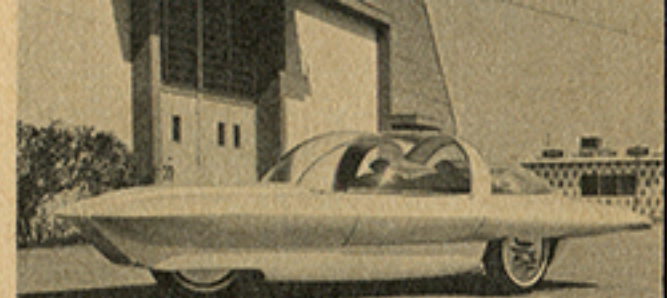
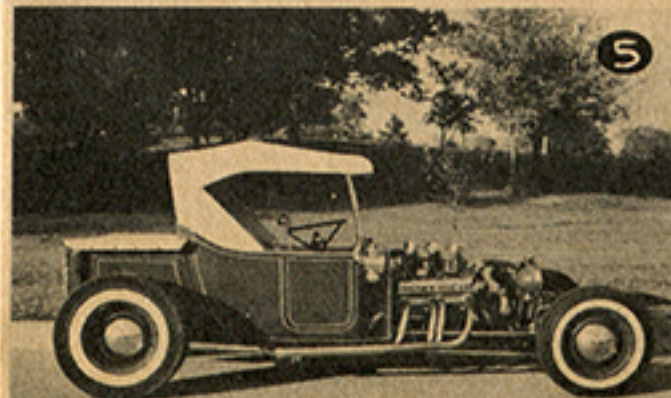


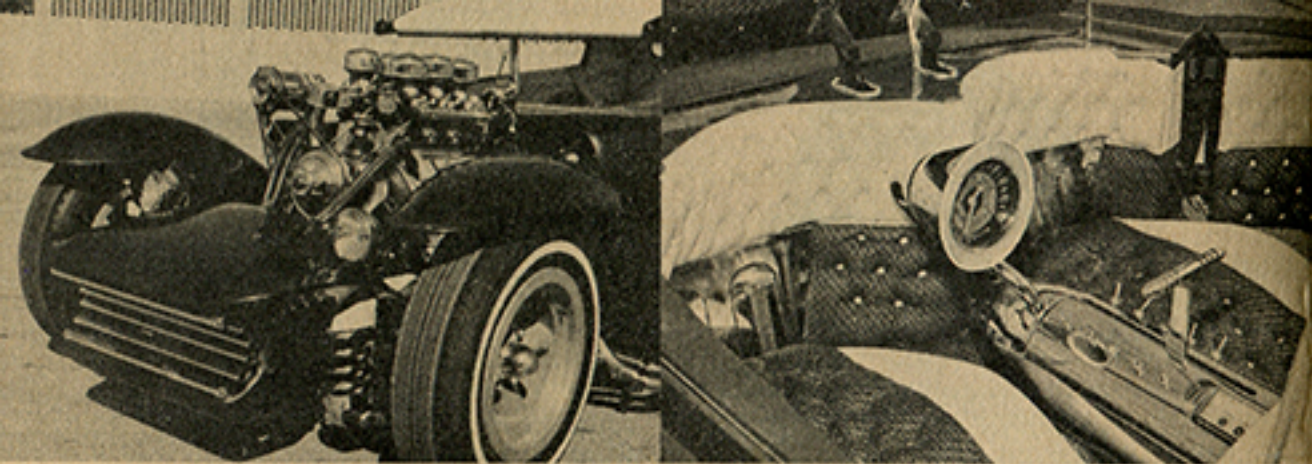
DARRYL
STARBIRD



Darryl Starbird is owner of the Star Kustom Shop in Wichita, Kansas, and Custom Car Design Consultant for Monogram Models. He is recognized as one of the outstanding designers and builders in America and his cars have won top honors at custom car shows for the past several years.

Street Rod, Monogram's Big "T". 6/ Competition Rod, 1932 Ford. 7/ Dragster, Slingshot type.





A Full-Race engine or "Mill". A completely re-worked DeSoto in 1932 Ford, "Lil Coffin". Right: A center Console with all instruments.

A-BONE Model "A" Ford.

ALKY Alcohol, used as fuel in some dragster classes.

BALDY A well worn tire.

BARREL Throat of carburetor. (two-barrel carb., 4-barrel carb., etc.)

BEAST An exceptionally powerful hot rod.

BEEF-UP To strengthen or reinforce a part.

BINDERS Brakes.

BLANKING To fill holes with molten lead.

BLENDING Running one paint color gradually into another.

BLOWER A supercharger.

BLOW OFF To beat all competition.

BOMB A powerful car.

BORED Engine cylinders

bored oversize for greater displacement.

BOXED Sheet metal added to a frame to produce a square cross-section for added strength.

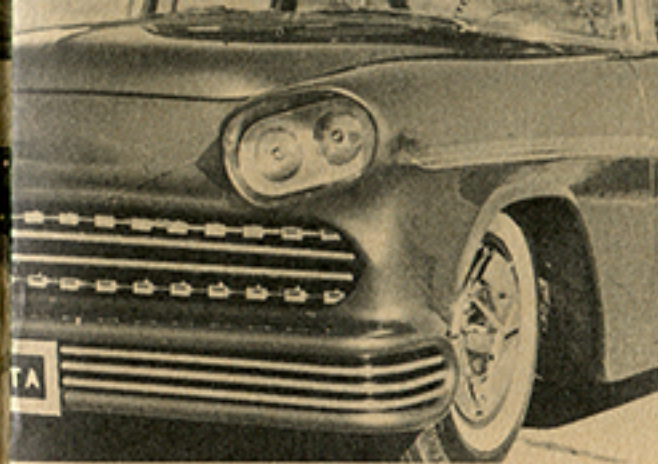
BUBBLE TOP Transparent top made of clear plastic, molded to bubble shape.

BUCKET Roadster type body, usually made from model T Ford.

BUCKET SEAT Individual seat formed of fiberglass or light weight metal, used in competition cars. When used in passenger cars seat is upholstered.

BUMP STICK Racing camshaft.

BULL NOSE To remove ornament and name plate from hood.



Left: Frenched, quad, Tunneled headlights in a 1955 Chevrolet. Right: Tunneled Air Scoop on a 1961 Thunderbird.

BURN RUBBER To spin wheels in fast acceleration.

C'D FRAME Section of frame over rear axle replaced with "C" shaped piece to raise wheels and springs, thereby lowering rear of car.

CALIFORNIA RAKE Front of car lowered.

CANDY APPLE A translucent lacquer applied over a brilliant underbase.

CARB. Carburetor.

CHANNEL To set the body down over the frame rails, hanging body from bottom of frame instead of top.

CHEATERS Exhaust pipes routed below rear axle, usually with flared, bell-shaped ends.

CHOP To lower top of car by cutting or "chopping" a section from all door and window posts and glass.

COGS Gears.

CONSOLE Center cabinet between front seats; can house radio, television, instruments, etc.

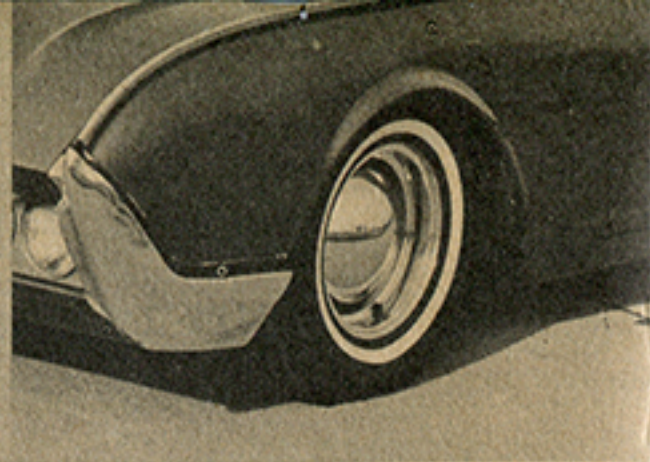
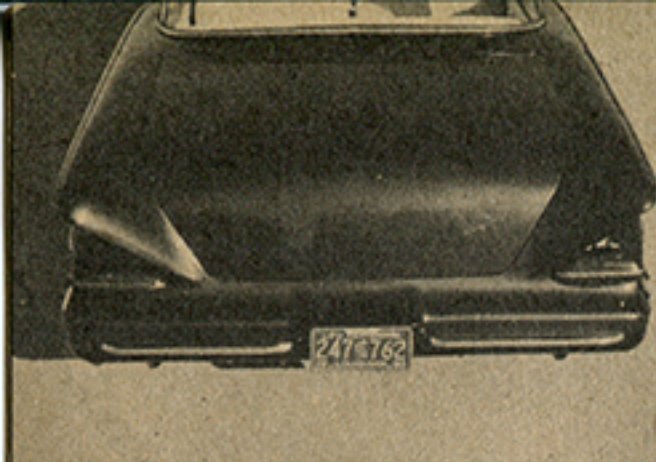
COWBOY RAKE Rear of car lowered.

CUBE Cubic inch. Measurement of engine displacement.

CUT COILS Part of coil spring removed to lower car.

DE-CHROME To remove chrome trim, such as moldings, ornaments, etc.

DECK JOB Removing chrome and ornaments from deck.



Left: Filled trunk and Shroud around license plate, on a 1958 Chevrolet. Right: Chrome plated Reversed-Rim wheel on a 1961 Thunderbird.

DEUCE A 1932 Ford.

DIG OUT Fast acceleration.

DISHED WHEEL Wheel with rim removed, reversed and re-welded in place.

DRAG A race against a clock or another car, from a standing start. Usually ¼ mile. Results are based on elapsed time and speed at the quarter.

DRAG LINK Part of the steering system. Usually a rod connecting the steering column with the left front wheel.

DROPPED AXLE Old style solid front axle with center section cut and lowered or dropped by welding in extra metal. Raises front wheels and spring, lower-

ing front of car.

DROPPED SPINDLES Wheel spindles altered by welding to raise front wheel assembly, lowering front of car.

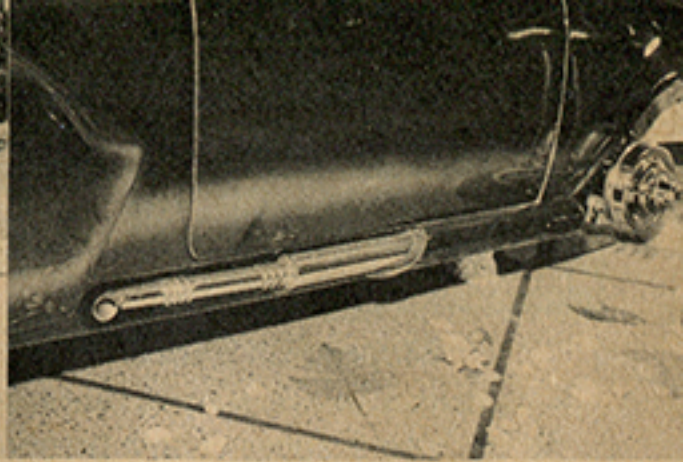
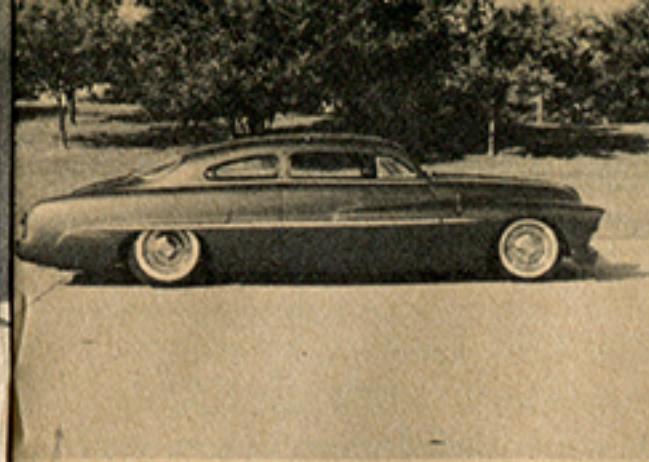
ELECTRIC DOORS Door latches operated by electric solenoids. Push button replaces door handles.

ENGINE SWAP Installing engine of different make or size.

E.T. Elapsed time.

FILLING To fill holes with molten lead and grind smooth.

FLAME JOB Paint applied to simulate flames; usually at side and rear of engine compartment.



Left: Sectioned body and Chopped top on 1951 Mercury. Right: Chrome plated side, or Lake Pipes.

FLATHEAD "L" head engine with valves at side of cylinders operated directly by camshaft. Largely replaced by newer overhead-valve engines.

FOUR-BANGER A four cylinder engine.

FOUR-ON-THE-FLOOR Manual 4-speed transmission with shift lever mounted on floor.

FRENCH To weld and lead a joint or seam — as around headlight rims or where body and fender join. Gives smooth, one-piece look.

FROSTING Blending one paint color gradually into another.

FULL-RACE Engine with all

possible alterations for maximum performance.

GEAR BOX Transmission.

GOODIES Accessories to improve the appearance or performance of a car.

GOOK WAGON A stock car dressed up with cheap accessories and gadgets. Not modified and not a hot rod.

HAULER Truck; usually a light pick-up.

HEADER Individual exhaust tubes from each cylinder for better scavenging of exhaust.

HIGHLIGHTING Blending one paint color gradually into another.

HOODED A shade or hood over headlights.

Monogram

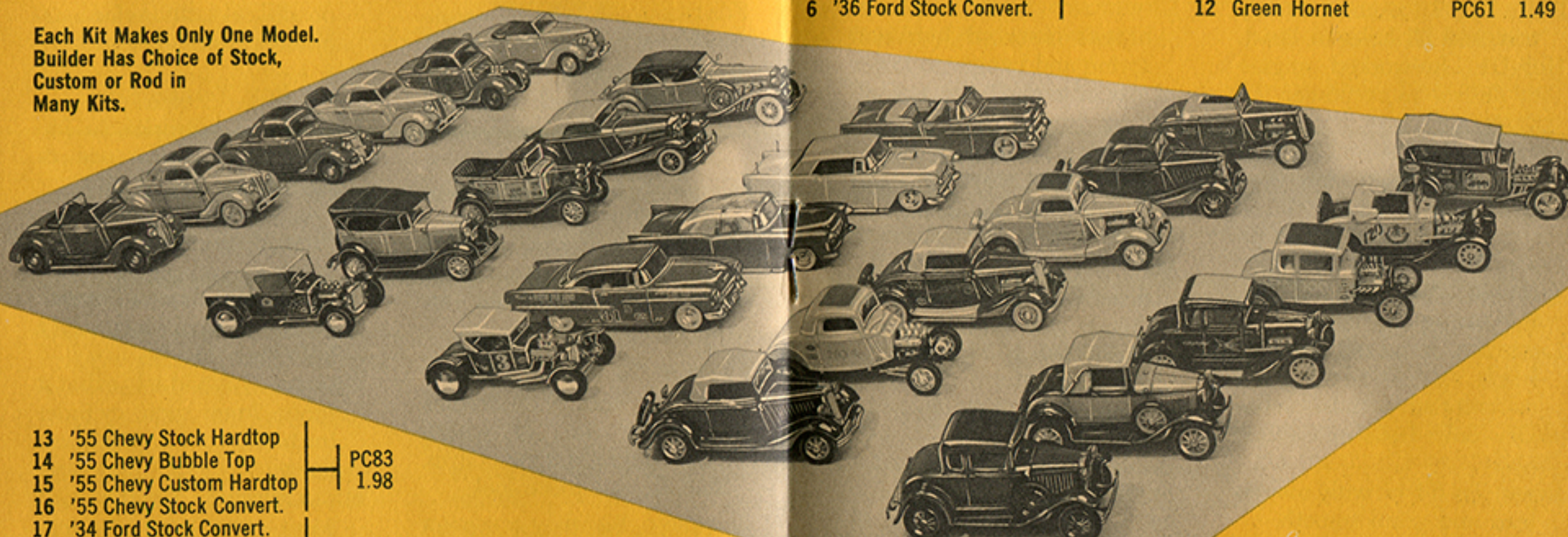
the NAME FOR Quality HOBBY KITS



CUSTOM CAR MODEL KITS

Monogram Customizing Car Kits provide fascinating realism in miniature, one twenty-fourth actual size. (Scale 1/2 inch to 1 foot) They provide wide model variety, too, with more customizing parts and possibilities than most kits of this type. Parts are furnished in several colors of plastic and in gleaming chrome plate.

Each Kit Makes Only One Model.
Builder Has Choice of Stock,
Custom or Rod in
Many Kits.



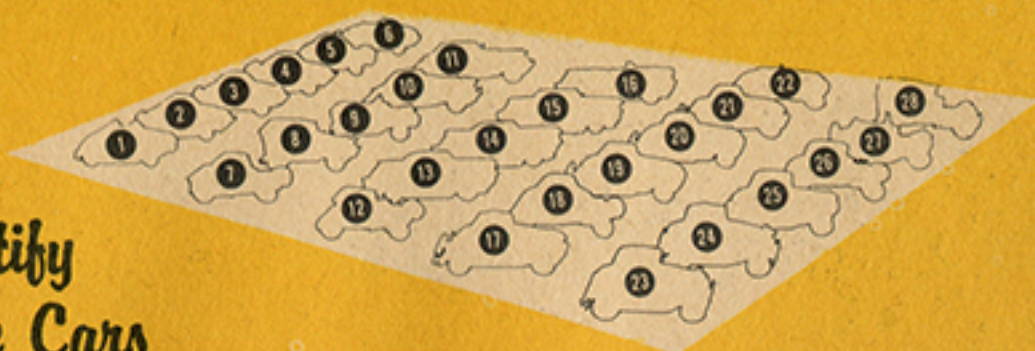
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| 13 '55 Chevy Stock Hardtop | PC83 |
| 14 '55 Chevy Bubble Top | |
| 15 '55 Chevy Custom Hardtop | 1.98 |
| 16 '55 Chevy Stock Convert. | |
| 17 '34 Ford Stock Convert. | |
| 18 '34 Ford Drag Coupe | |
| 19 '34 Ford Custom Convert. | PC72 |
| 20 '34 Ford Custom Coupe | |
| 21 '34 Ford Stock Coupe | 1.98 |
| 22 '34 Ford Drag Roadster | |

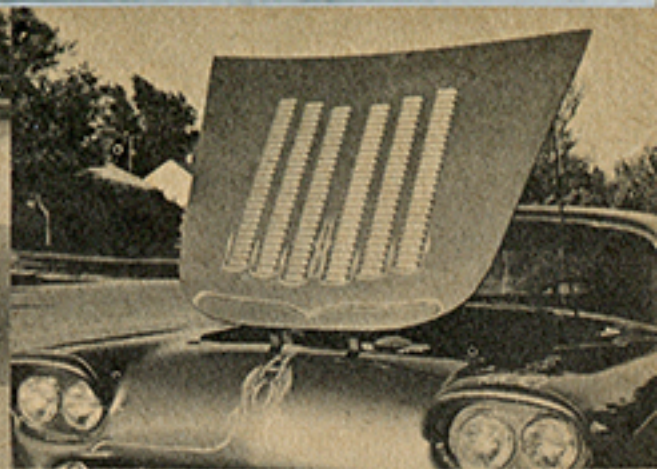
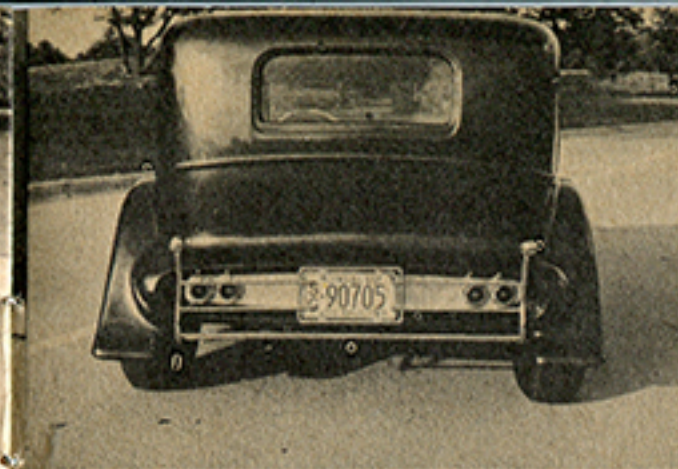
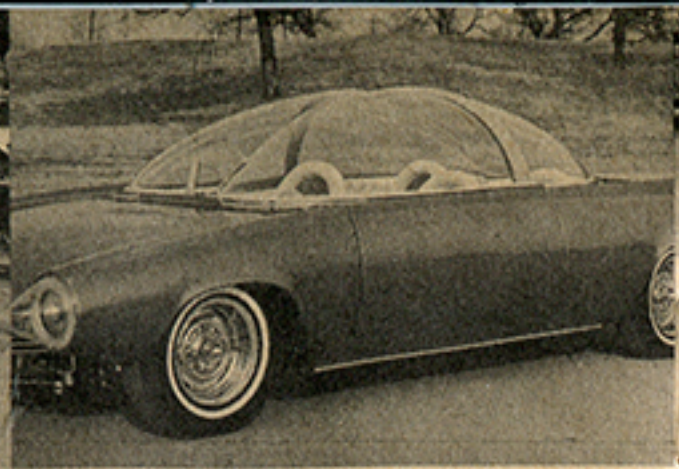
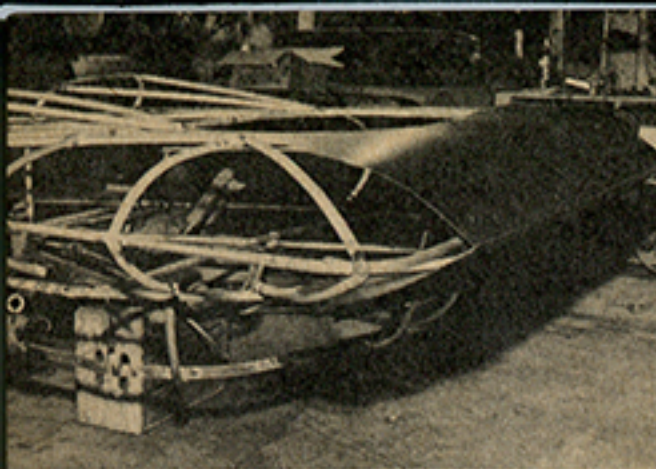
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|----------------------------|------|
| 23 '30 Ford Stock Coupe | PC73 |
| 24 '30 Ford Stock Convert. | |
| 25 '30 Ford Custom Coupe | 1.98 |
| 26 '30 Ford Drag Coupe | |

Identify the Cars

- | | | | | |
|----------------------------|------|-----------------------|---------------------------|-----------|
| 1 '36 Ford Drag Roadster | PC68 | 7 Black Widow Pick-up | 1.49 | |
| 2 '36 Ford Custom Coupe | | \$1.98 | 8 '30 Ford Stock Phaeton | PC64 1.98 |
| 3 '36 Ford Stock Coupe | | | 9 '30 Ford Jalopy | 1.98 |
| 4 '36 Ford Custom Convert. | | | 10 '37 Mercedes-Benz | PC87 2.98 |
| 5 '36 Ford Drag Coupe | | | 11 '34 Duesenberg Phaeton | PC81 2.98 |
| 6 '36 Ford Stock Convert. | | | 12 Green Hornet | PC61 1.49 |

- | | |
|------------------|-----------|
| 27 Yellow Jacket | PC76 1.49 |
| 28 Red Chariot | PC75 1.49 |





Left: Partially completed Paneling or Skinning on the Futurista. Right: Transparent Bubble Top on Starbird's Forcasta.

Left: Tubular steel Nerf Bars on 1932 Ford "Lil Coffin". Right: Louvered hood and Pinstriping on 1955 Buick.

HOOD JOB To remove chrome trim and fill holes in hood.
HOP-UP Re-worked engine to deliver more power.

KICK-UP Frame rails raised at rear to raise wheels, lowering rear of car.

LAKE PIPES Exhaust pipes routed along sides of car, by-passing the muffler.

LAKESTER A rod designed for high speed racing on courses such as those on the Dry Lake beds in California.

LEAD To fill in with molten lead and grind smooth.

LOUVRES A series of slits to allow air in or out. Often used purely as a decoration.

LOWERING BLOCKS Metal blocks inserted between spring and hanger to lower rear of car.

MAG. WHEEL Wheel cast in magnesium. Very light and strong. Used mainly for racing.

MAG Magneto. Replaces the distributor and battery on racing and high performance engines.

MILL Engine.

MOTORBOAT LOOK Rear of car lowered.

NERF BAR Bumper made of steel tubing or rod, in various shapes and designs. Replaces stock bumpers.

O.H.C.S. Overhead camshaft.
O.H.V. Overhead valves.

PANELLING To cover a framework with sheet metal, formed to shape.

PEAK To bring to a point; as the edge of a scoop or hood.

PEARLESCENT A translucent lacquer with a pearl pigment added.

PINSTRIPING A fine paint line following the general contours of the body.

PIPES Exhaust tubes.

PORTED Valve chambers ground larger and smoother for more efficient passage of gases.

POT A carburetor.

PUNK OUT Engine breakdown.

QUADS Four headlights. Also, two four-barrel carbs.

RADIUS RODS Rods mounted to front axle near wheels and to each side of frame to help keep axle in line.

RAGTOP Convertible or roadster, with cloth top.

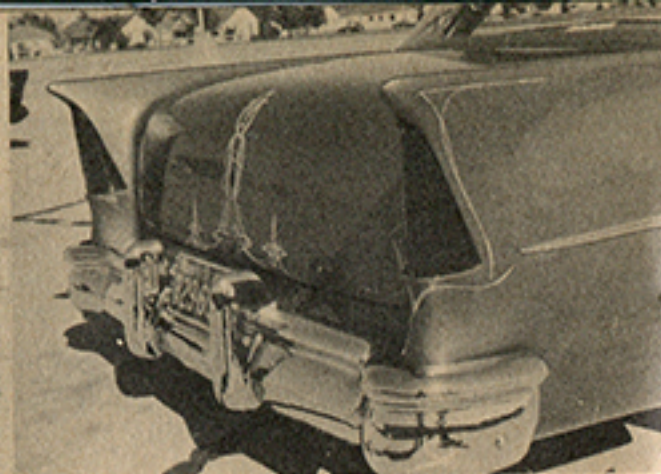
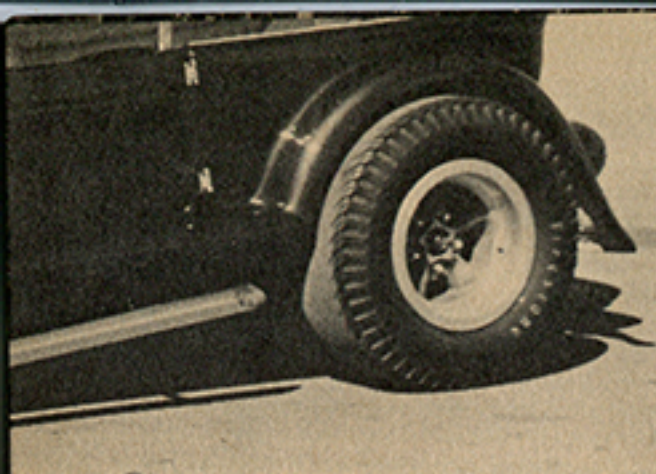
RAIL JOB Hot rod without body, having only frame and engine. Used only for drags.

RAKE To lower front of car.

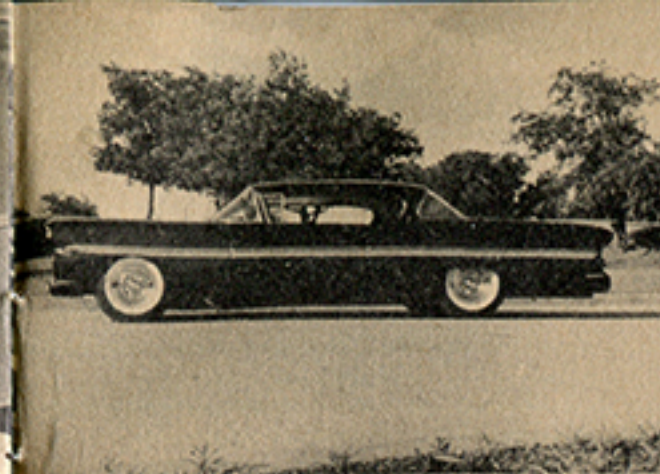
REAR END The differential.

REVERSED RIM Wheel with rim removed, turned around and re-welded in place. Gives wider track.

ROLL & PLEAT Upholstery applied in lines of pleats with a large padded roll around



Left: Mag Wheels and Racing Slicks on 1932 Ford "Lil Coffin". Right: Peaked, Frenched taillights on 1955 Buick.



Left: Chopped Top and Rolled Pans on 1958 Chevrolet. Right: Peaked Scoop, Tunneled lights and Scalloping on 1955 Thunderbird.

the edges. Often forms a bucket seat.

ROLLED PAN Sheet metal panel rolled under front or rear of car to give more finished look. Bumpers are often left off.

R.P.M. Revolutions per minute. Speed of engine

SCALLOPING Decorative paint job in forms of scallops or flames.

SCAVENGERS Exhaust pipes routed below rear axle, usually with flared ends.

SCOOP An opening to allow air in or out of an area.

SECTION To reduce the overall height of the body by removing a section of metal, cutting entirely around car.

SHROUD A hood, usually around license plate, flaired into surrounding area.

SIDE PIPES Exhaust pipes routed along sides of car. (also Lake Pipes)

SKINNING To cover a framework with formed metal panels. (also Panelling)

SKINS Tires.

SLICK Tire made for drag racing. Smooth, no tread pattern, very wide, usually soft rubber for maximum traction.

SLINGSHOT Dragster with seat behind rear axle.

SNAP SHIFT To shift gears quickly so there is no lag between gears. Also Speed Shift.

SOUPED Engine re-worked to produce more power.

STICK SHIFT Manual transmission with shift lever on floor or steering column.

STOCK Car as originally purchased. No changes to chassis, body or engine.

STREET ROD Older model car brought up to date with large engine, custom interior, etc. Suitable for street use.

STROKED Crankshaft altered to provide longer stroke of connecting rods, giving more engine displacement and power.

STROKER Car with stroked engine.

SWAP To install engine of different make or size.

TACH. Tachometer, instrument to measure revolutions per minute of engine.

TILT To lower front of car.

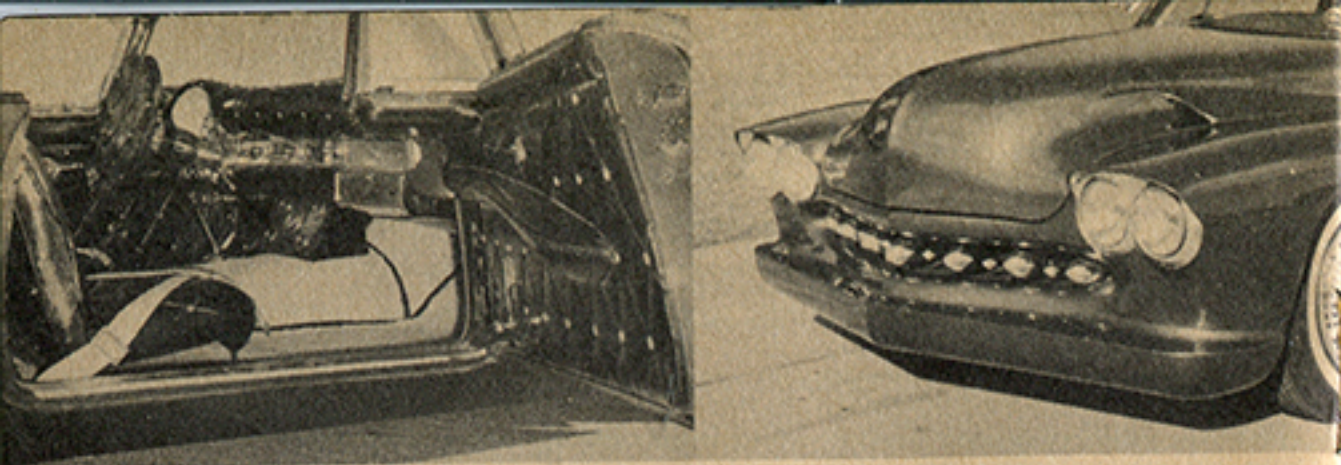
TRAPS The measured distance at end of drag strip where start and stop timers are placed. Measure elapsed time for quarter and speed.

TUB Phaeton type body.

TUCK & ROLL Upholstery applied in lines of pleats with a large padded roll around the edge. (Roll and Pleat)

TUFTED Upholstery applied in a diamond design with a button at each point of the diamonds.

TUNNELLED Head or tail light lenses set back into the housing.



Left: Diamond Tufted upholstery in 1957 Thunderbird. Right: Rolled Pan and Hooded headlights on 1951 Mercury.

WILD Extreme, way out. Applied to unusual hot rods that are very different from others in their class.

WILD CAM Cam with longer and higher lobes to hold valve open longer. Allows passage of more fuel or exhaust.

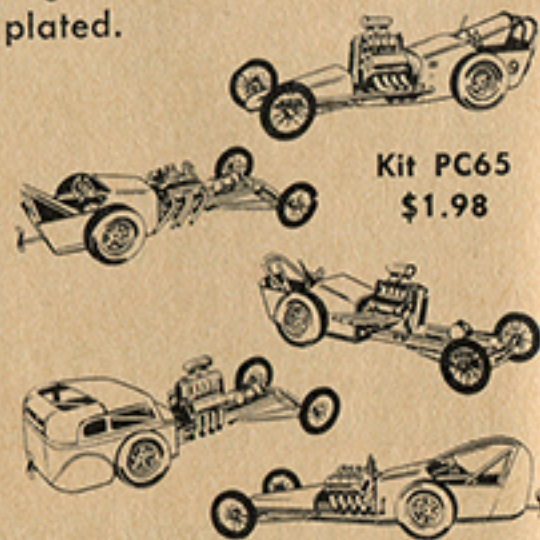
WIND OUT To run engine at its maximum speed.

WIRE WHEEL Light weight wheel with individual wire spokes. Can be balanced and aligned by adjusting length of spokes.

Z'D FRAME Rear of frame rails cut and re-welded in shape of "Z" to raise wheels and springs.

BUILD YOUR OWN CUSTOMIZED DRAGSTER with the *sizzler*

Build it the way you want it with choice of frames, bodies, engines. 92 parts, many chrome plated.

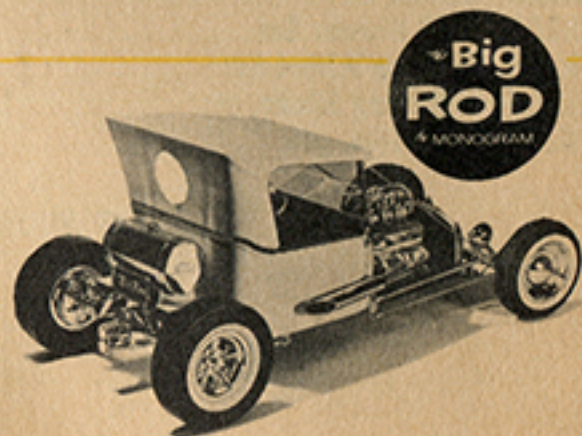
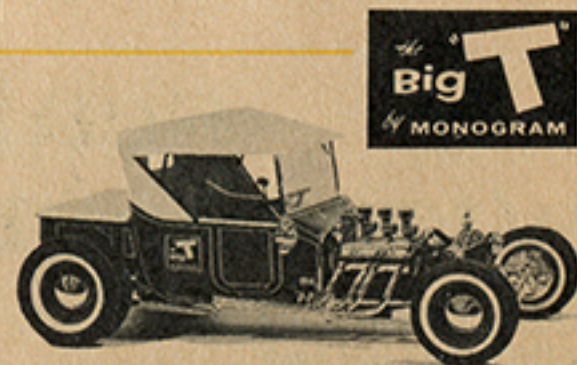


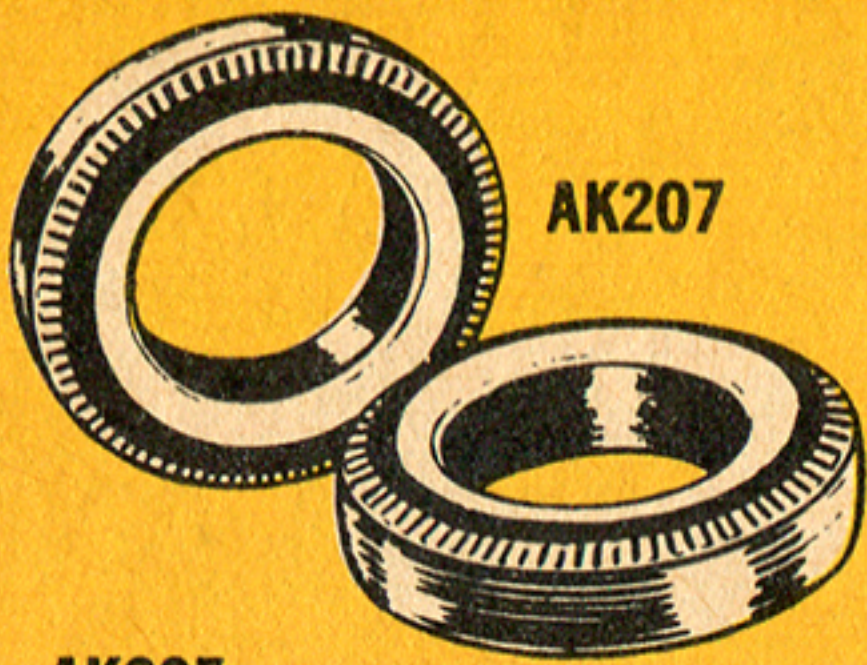
big scale custom models

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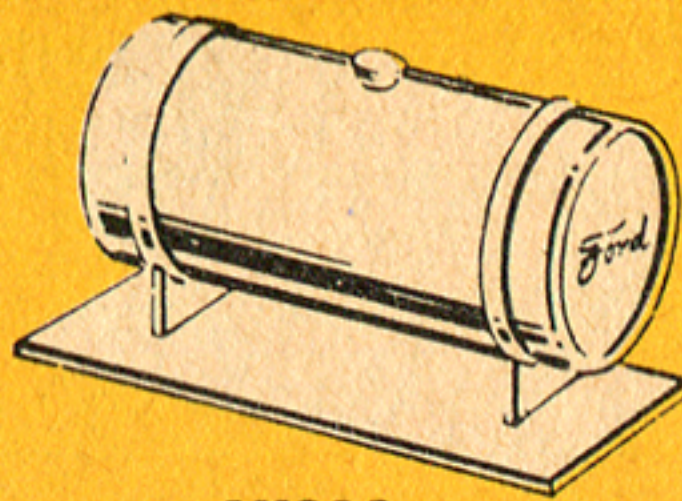
Three times bigger than the usual model car, each is scaled part by part from standard make cars, including the '24 Ford "T" roadster, and is loaded with custom goodies of every type.

Each model is "powered" with a hot custom Chevy 283 engine . . . one with triple carbs . . . two with six carbs . . . one with a GMC blower. The chassis is something very special, as is the minute detail of the wheel backing plates, the chrome plated rear axle housing with quick-change rear end and the chrome plated tubular front axle. The whitewall tires are hollow, soft and flexible, with the detail of full size tires.

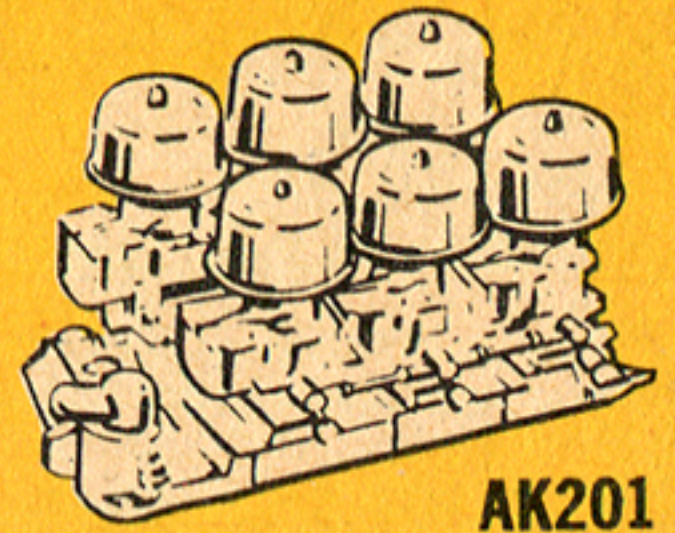




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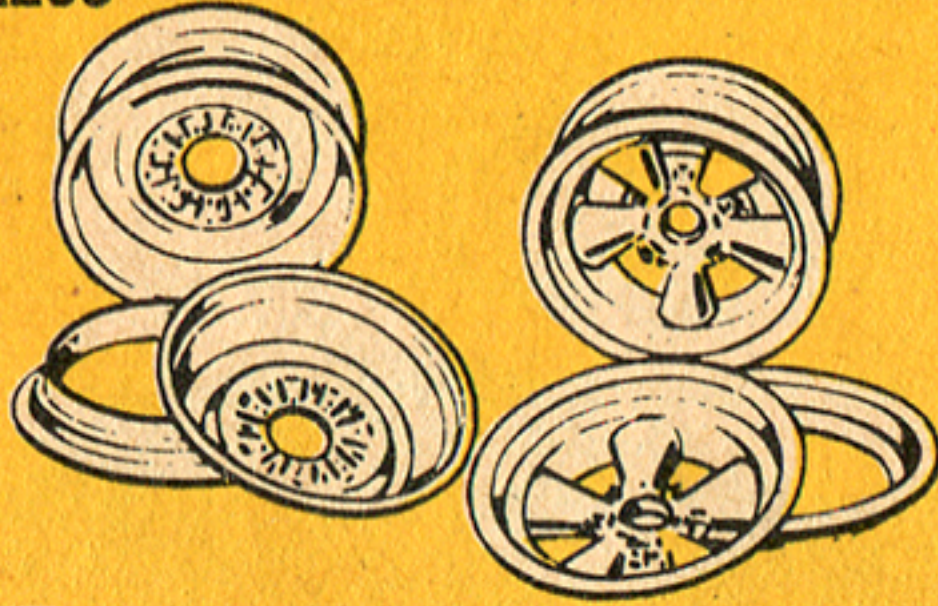


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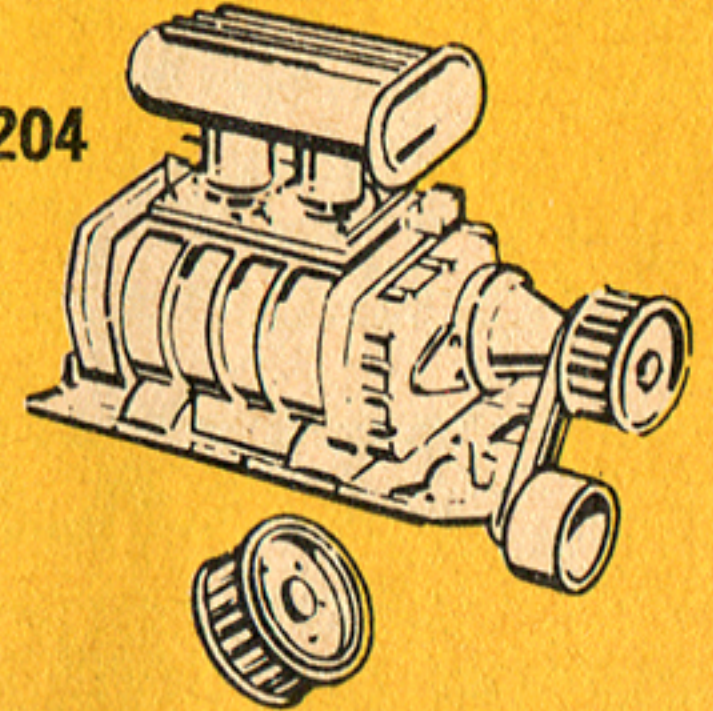


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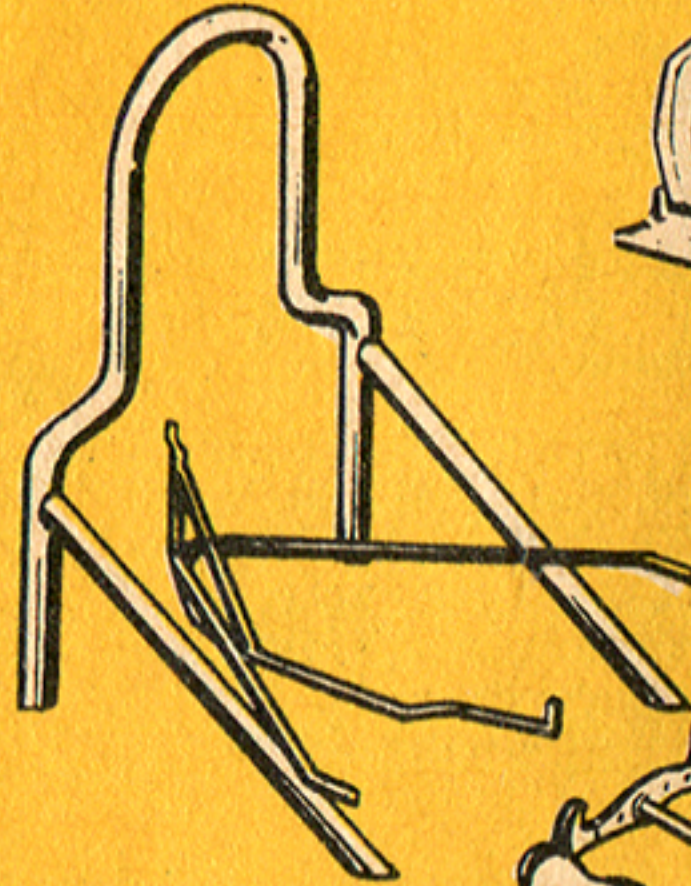
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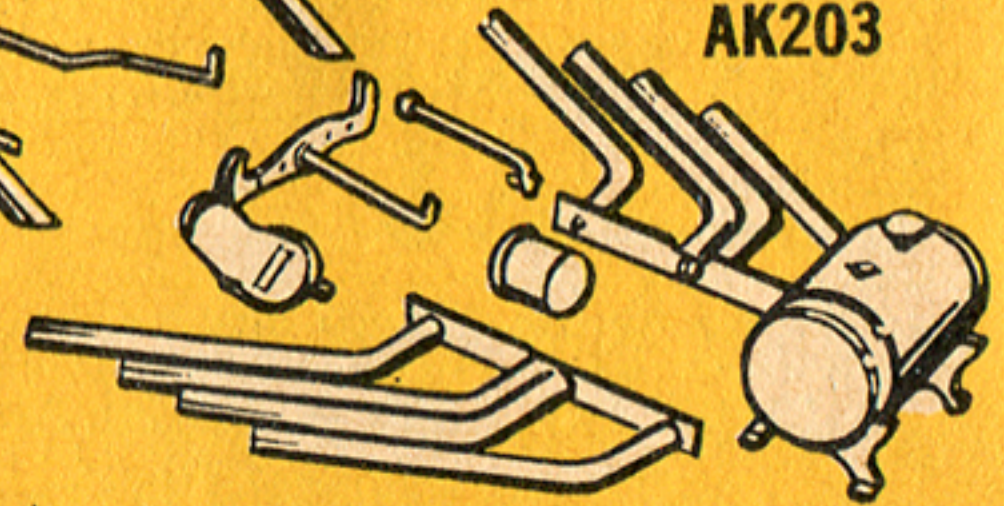
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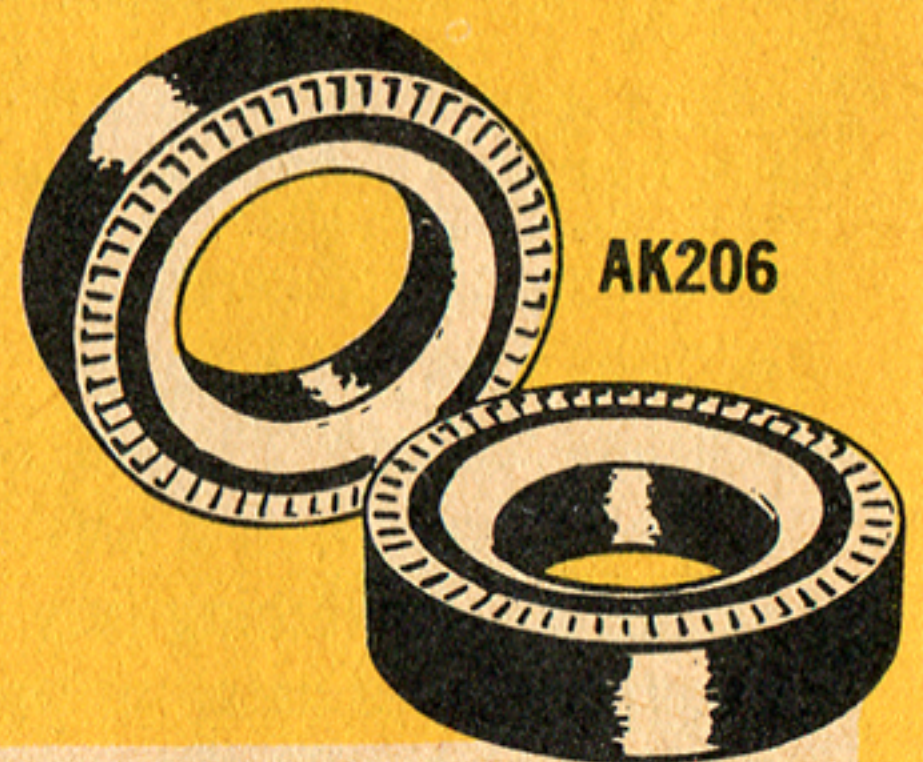
big scale accessories



AK203



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AK202	Oval Gas Tank59
AK203	Racing Set79
AK204	GMC Blower Set79
AK205	Chrome Wheel Set79
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AK206

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