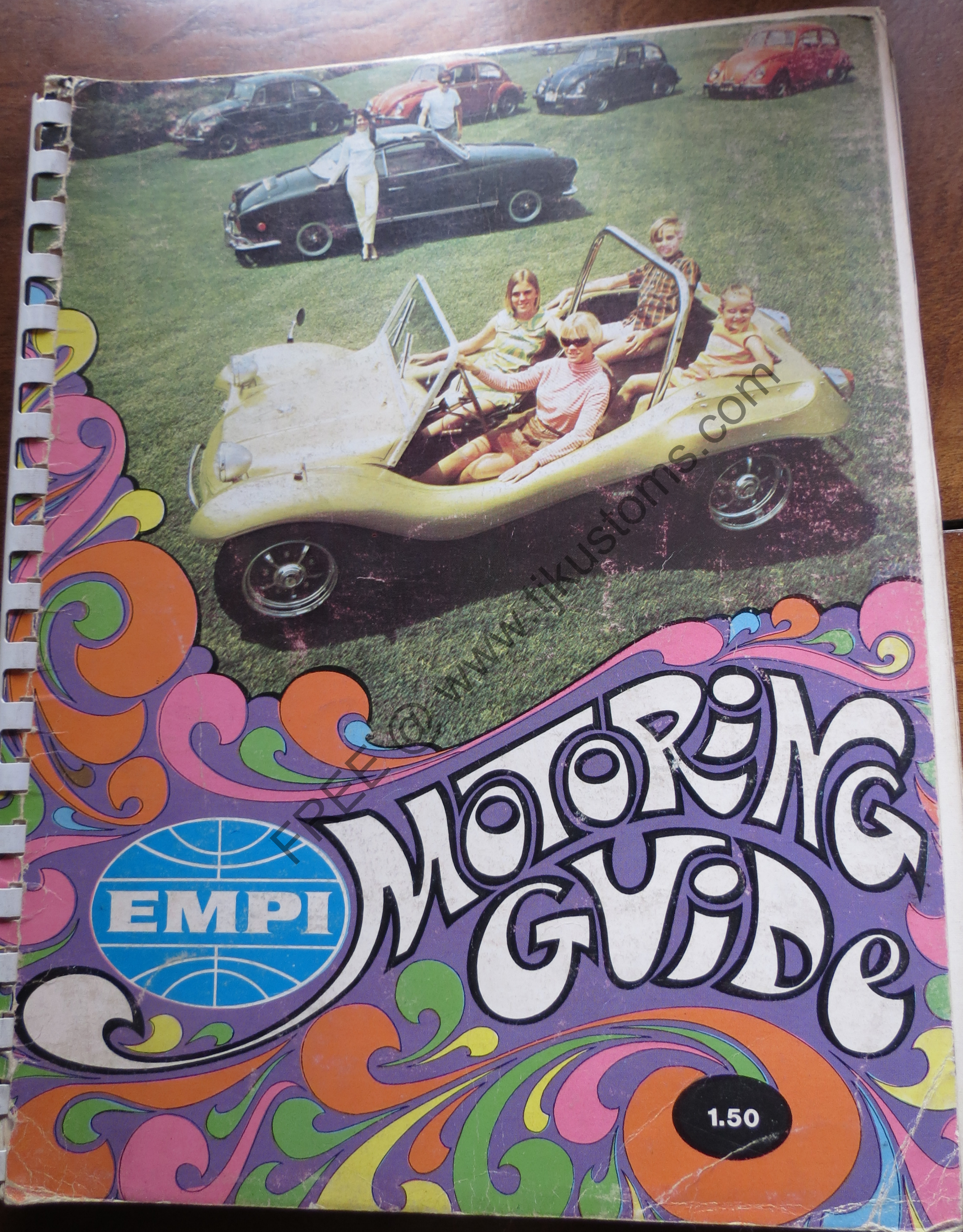

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First quality cotton knit shirt with silk screen design in brilliant competition orange and American racing blue. "Inch Pincher" design on front, EMPI logo on back.

RACING STICKERS
FOR YOUR MOD ROD

Brand new high quality racing stickers in four wild colors. The perfect set-up for windows, doors, walls, and bodies (car bodies too!). These stickers are mylar coated, weather proof, long lasting, and applicable to any surface. They are available in 2 sizes and are reproduced in 4 brilliant colors; white, orange, blue and black.

AXXX-120 EMPI Power Decal, small,
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WEAR YOUR EMPI RACING COLORS PROUDLY!

INCH PINCHER
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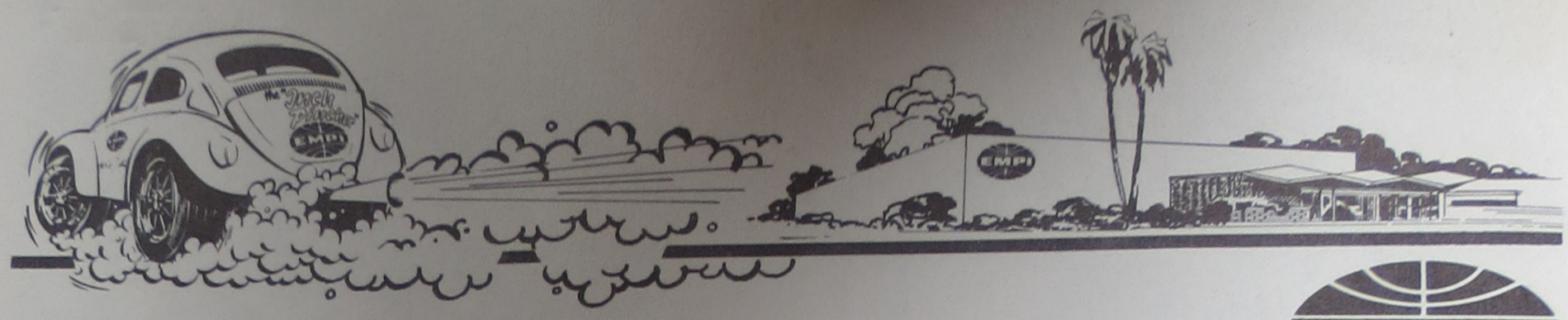

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Thank you for requesting our catalog.

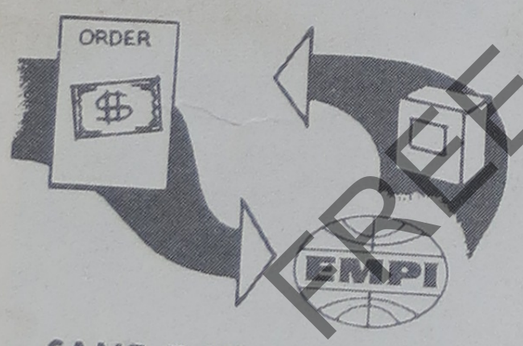
ENGINEERED MOTOR PRODUCTS, INC., is one of the leading suppliers of parts and accessories for foreign cars in the United States. The name "EMPI" has become synonymous with product quality and integrity. Buy with confidence; every item is thoroughly tested before sale. At EMPI we sell only the best products at the lowest possible prices, and constantly strive to offer our customers the finest and most up-to-date automotive products available. We are constantly researching and developing new products.

In addition to being assured of top quality, there are many other reasons why you should buy from EMPI. For instance:



We pay shipping charges* anywhere within the 50 states (including APO and FPO numbers) on retail orders accompanied by full remittance (send cashier's check or postal money order for rush service. Personal checks usually involve temporary delays in shipment). A deposit of 25% is required in advance on C.O.D. orders.* (F.O.B. Shipping Point Items excluded)

In almost all cases we ship your order the same day it is received.



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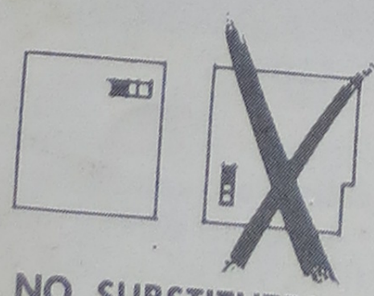
EMPI always ships exactly what you order. Should we be temporarily out of stock on the item you order, we will not substitute except by your permission.

We offer careful, personal attention to assure that each order is filled correctly and promptly.



NO SUBSTITUTES
(Without permission)

EMPI's Customer Service Department will gladly assist wherever it can if you have questions regarding any of our products, or if you need assistance in selecting the correct items for your paticular car. Please feel free to write anytime we can be of assistance.

Again, thanks for giving us the opportunity to serve you. We hope you will find many items herein to enhance the performance, handling and appearance of your car.

Very truly yours,
Chuck Tatum

Chuck Tatum
Marketing Manager

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ENGINEERED MOTOR PRODUCTS, INC.
THIS CATALOG PRINTED IN U.S.A.

• P.O. BOX 1120, RIVERSIDE, CALIF. 92502



Offices, warehouse and production facilities of the EMPI organization – 1999 Roberta St., Riverside, California

This is **EMPI**

ENGINEERED MOTOR PRODUCTS, INC. – established in Riverside, California, in 1956, has become the Western Hemisphere's largest independent manufacturer and distributor of accessories for the Volkswagen automobile.

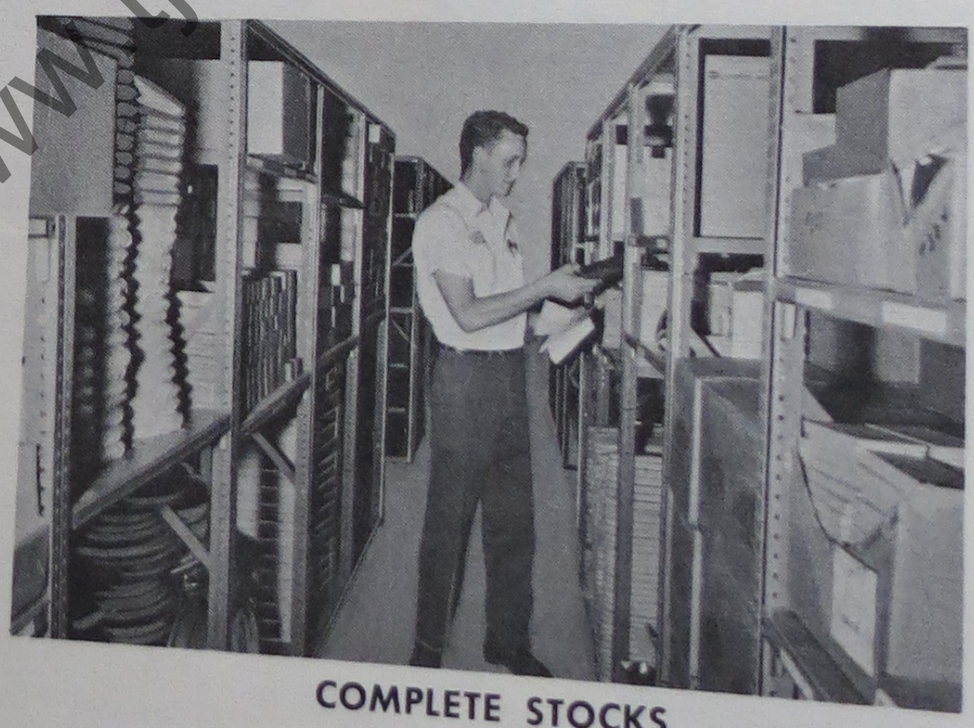
Serving the needs and desires of thousands of VW owners in America has required steady expansion. In the Fall of 1964 EMPI moved into new, larger warehouse and office buildings, specially planned for streamlined efficiency, production and rapid shipment, maintaining EMPI's famous "Same-Day" order service to a broadening empire of dealers, distributors and customers.

Other EMPI Divisions include the SPORTSTER DIVISION – producing a fun or work vehicle, sold by kit, by plan, or complete; the CAR KIT DIVISION – producing fiberglass bodies for the new EMPI-IMP dune buggy/runabout, the EMPI-CRUSADER FORMULA VEE and EMPI-Crusader VSR (Volkswagen Sports Racer).

Volkswagen owners throughout the U.S.A. can rely on EMPI for the latest and best in VW accessories and components. Get more driving fun and satisfaction by using EMPI engineered products . . . they're GUARANTEED to perform and to please!



MODERN WAREHOUSE FACILITIES



COMPLETE STOCKS

EMPI's new warehouse features advanced methods of handling, storing and shipping a wide variety of accessories and parts, from large, heavy items to the smallest of parts for delicate instruments. Clean, well-lighted aisles and shelving help to dispatch orders quickly and accurately.

Adequate stock on hand at all times, ready for shipment anywhere in the world, demands careful and accurate inventory methods. EMPI's record system warns the buying staff before stocks need replacement, allowing time for normal shipment from the source, near or far. New items are constantly under scrutiny of a panel of merchandising experts before release to the trade.

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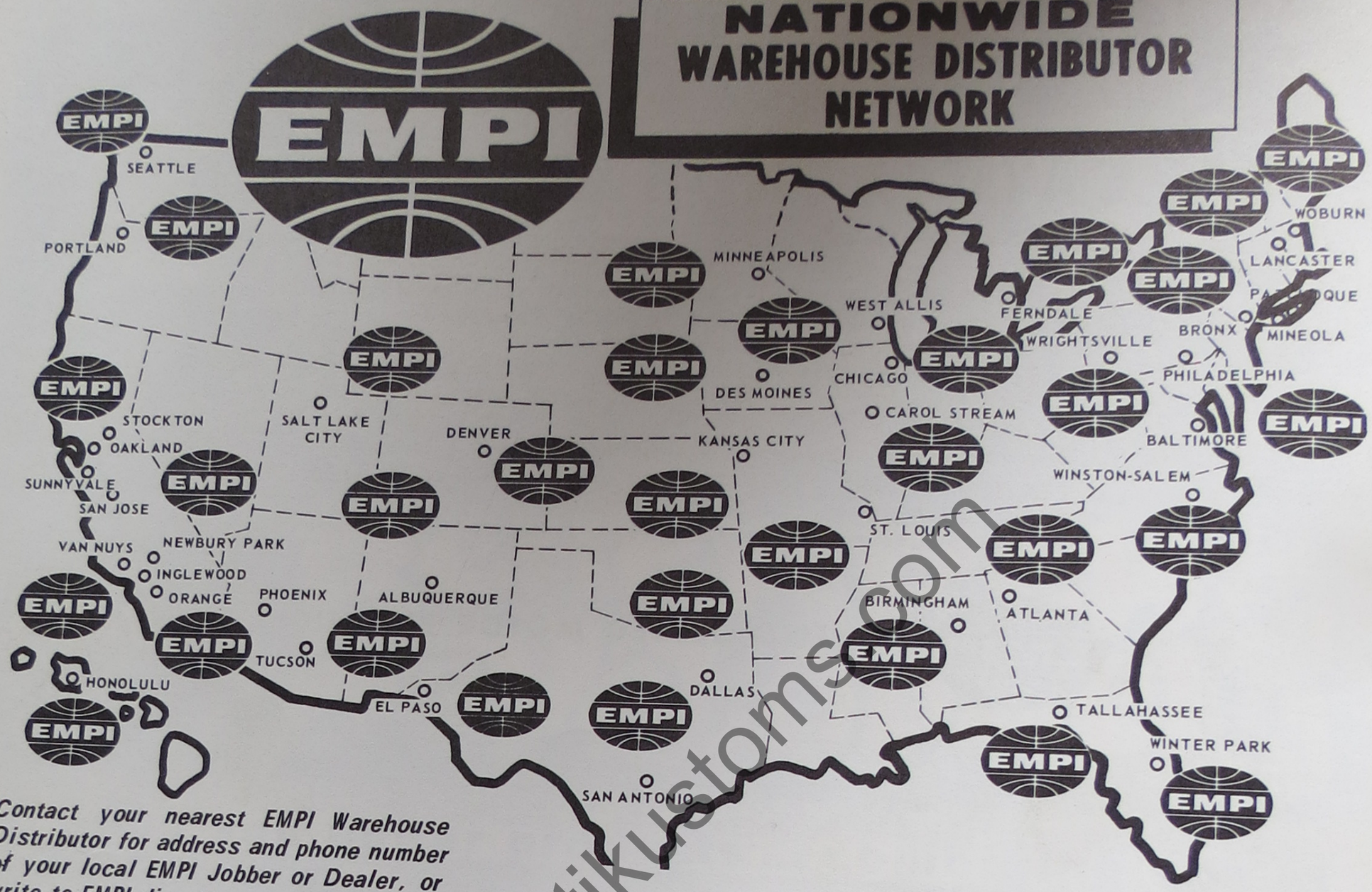

Contact your nearest EMPI Warehouse Distributor for address and phone number of your local EMPI Jobber or Dealer, or write to EMPI direct.

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VERN GARDNER FOREIGN CAR PARTS
4418 E. 14th St. (415) 533 1113

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SATISFACTION GUARANTEED

The merchandise offered in this catalog is guaranteed to be exactly as represented.

EMPI will exchange, repair or refund the purchase price of any article proven defective in material or workmanship, provided it was not damaged by alteration, improper application or neglect.

EMPI's guarantee on any power equipment shall be limited to replacing any power kit, or component thereof, if found to be defective in material or workmanship prior to installation of such equipment.

Shop labor or any other costs are not included in this guarantee.

Please write EMPI before returning any merchandise for letter of authorization to return the merchandise for satisfactory adjustment of defects. All return merchandise must be sent prepaid. Unauthorized return shipments refused.

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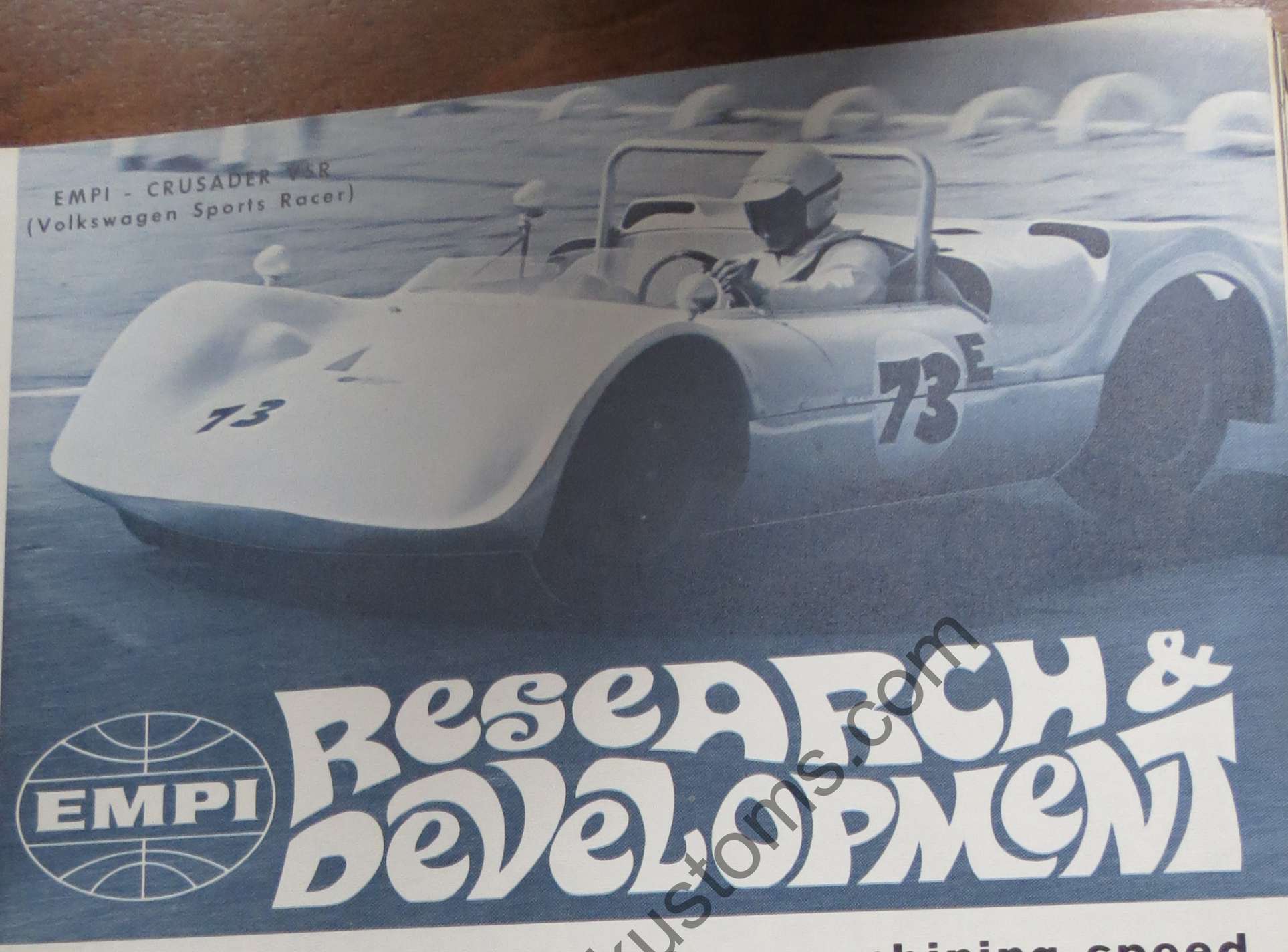


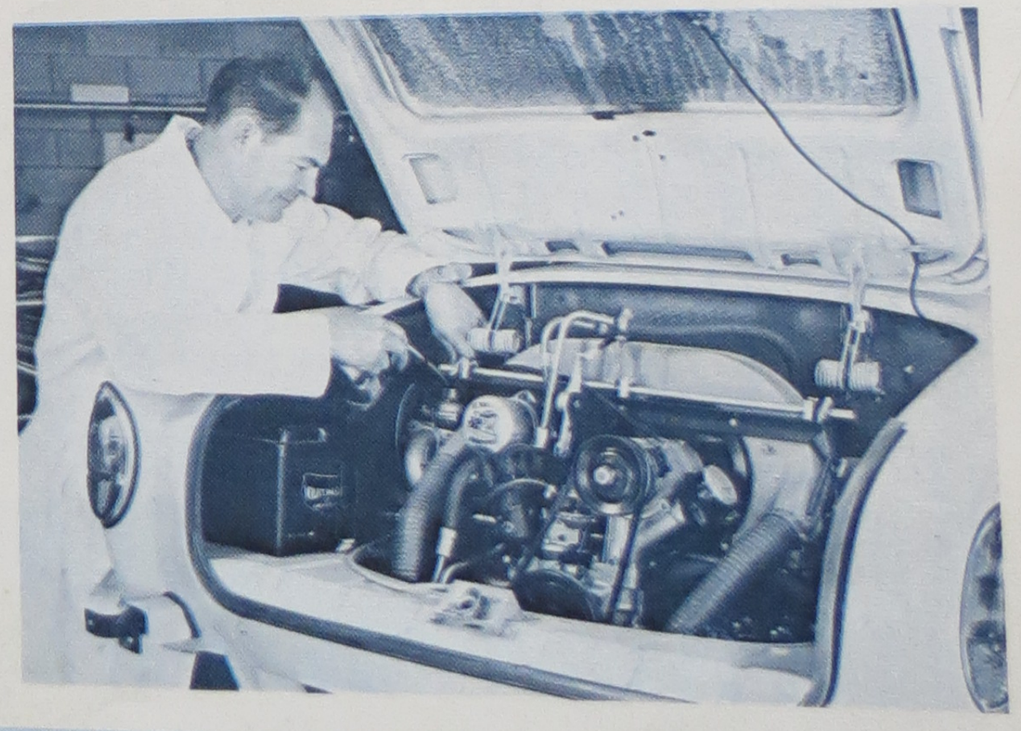
EMPI RESEARCH & DEVELOPMENT

...to bring you better products ... combining speed with safety ... and utmost economy!

Today's driving, whether for competition or just every-day performance, demands a high degree of reliability, plus power and agility in the modern automobile.

Here at EMPI we have originated several important devices to improve Volkswagen roadability.

The EMPI CAMBER COMPENSATOR REAR STABILIZER and TRACK-TRU Front Anti-Sway Bars are outstanding examples. They definitely improve the handling characteristics of Volkswagens . . . giving driver confidence and control to a marked degree on turns and in gusty winds. Over 300,000 owners testify to the merits and advantages of these inexpensive safety components . . . engineered, originated through EMPI . . . sold throughout the world. (See suspension section of this catalog).





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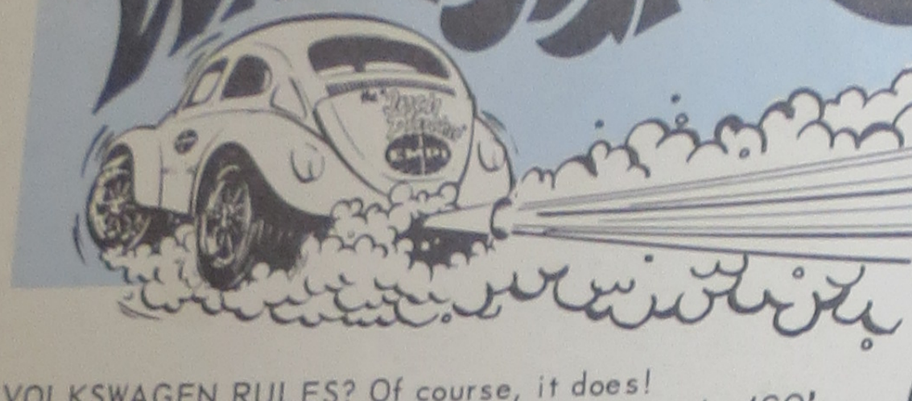
WHAT MAKES EMPI go?





THE JOUSTER
EMPI'S NEW FIBERGLASS FUNNY VOLKSWAGEN

VOLKSWAGEN RULES? Of course, it does! EMPI (Engineered Motor Products, Inc.) puts the 'GO' in VWs, and EMPI's fabulous drag race car, INCH PINCHER has proven, in actual competition that Volkswagen is the 'mod-rod'.

INCH PINCHER is a name coined by EMPI's Research and Development Chief, Dean Lowry, because the EMPI VW gobbles up the big inch, Detroit iron, consistently, and has never been defeated in its class. The EMPI car has overcome factory sponsored Fords and Chryslers without even breathing hard.

In 1966, INCH PINCHER accumulated more points (NHRA) in the National Points Championship competition than any other car, regardless of make or class. EMPI's Racing Team put the car through its paces nearly every weekend in 1966, totaling a record number of 182 wins. EMPI's INCH PINCHER, a consistent class winner for more than four years.

Best elapsed time for INCH PINCHER for 1966 competition was a 12.98/105.03 mph, and the EMPI Research and Development team continues to shave seconds from that record with constant attention to the development of new innovations in EMPI products, prototypes, that are actually 'track-tested' in competition. This is the kind of research that counts, the results are right where the 'go' is!

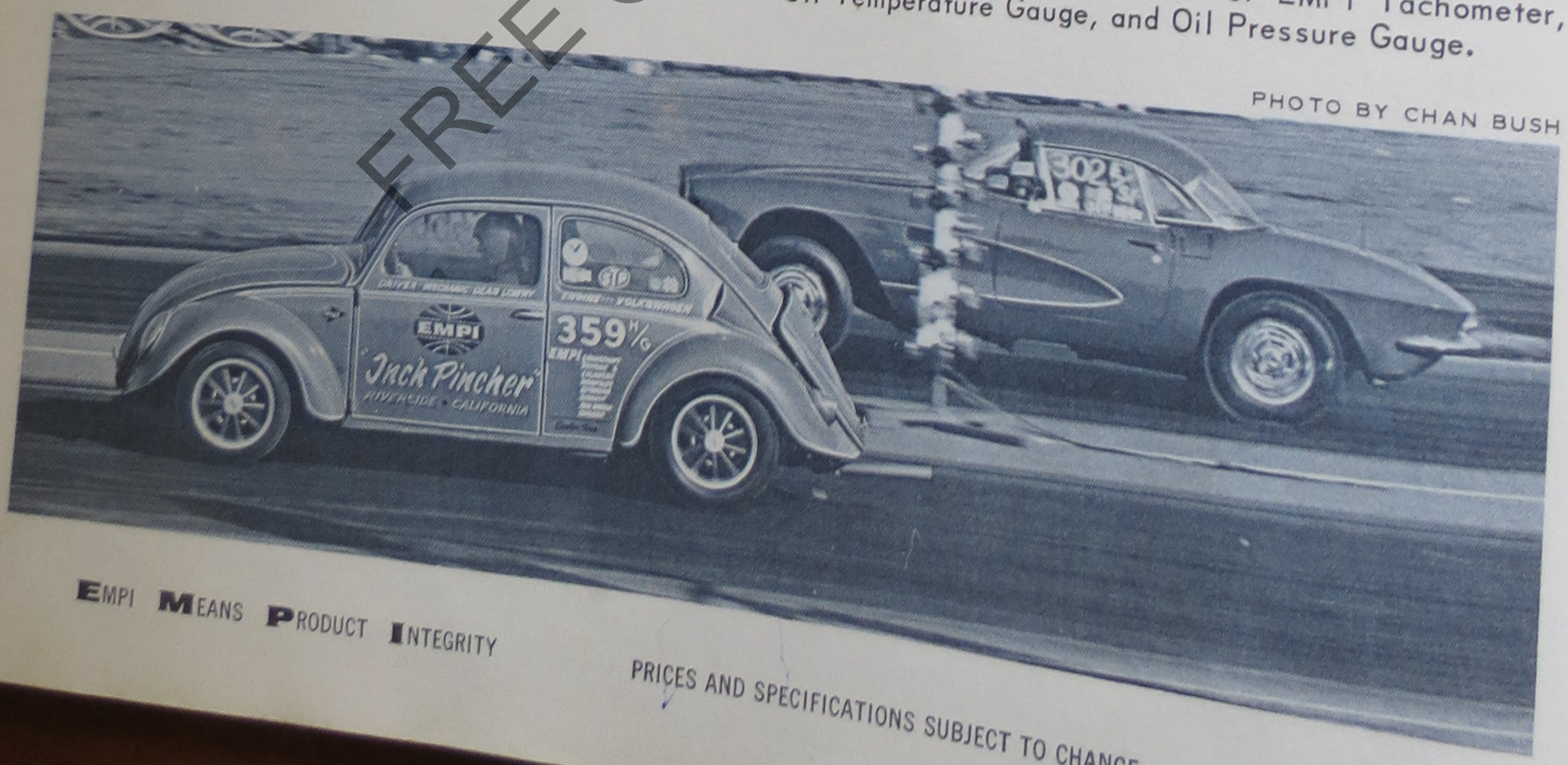
Best elapsed time for '67 was 12:45 (unofficial) and, at the NHRA points meet held at Carlsbad, California, the EMPI VW brought home another record victory. Dean Lowry, not only broke the existing H/Gas record with a 13.02 e.t., but scored a record number of 500 points for four runs. Best elapsed time for 1968 — 12:18 at 108 mph, the car now runs in I/Gas class.

The INCH PINCHER is a 1956 Volkswagen sedan with more than 300,000 actual road miles. The Inch Pincher engine is a modified VW 1500cc engine, displacing 1952cc and developes 202 hp. The following EMPI products are used in this engine: 88mm Super Bore Kit, prototype 80mm stroker crankshaft, EMPI racing cam, EMPI Twin-Weber Racing Carburetion Kit, prototype super heavy duty oil pump and EMPI's new Oil Sump-Oil Cooler. Heads are highly modified VW 1600 twin-port heads from the Twin-Weber Racing Carburetion Kit. Combustion ratio is 12.5:1. The engine has a maximum rpm limit of 7,000.

The following weight saving products developed by EMPI are used: Fiberglass front and rear fenders, fiberglass engine and deck lids and BRM magnesium wheels.

The interior of the car is gutted to the extent allowed by NHRA regulations, and EMPI E-Z short throw shift device has been added. Exhaust system is a standard EMPI Exhaust Extractor, with Stinger Pipe.

Instrumentation, now mounted on the car's special fiberglass deck lid, one inch below driver eye-level for better visibility, consists of EMPI Tachometer, Oil Temperature Gauge, and Oil Pressure Gauge.



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America's Fun Car !



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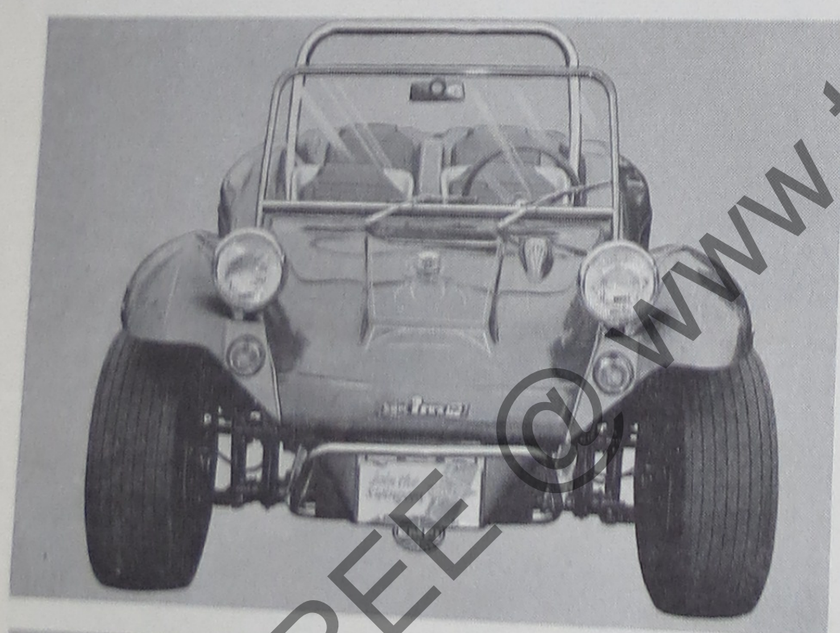



6 COOL KITS TO CHOOSE FROM...

It's not just another dune buggy - it's America's newest fun car. Sure, our new Imp will perform all of the usual off-the-road tricks expected of any buggy worth its salt, but EMPI has gone a bit farther with the development of the fun car. The Imp's longer wheelbase provides superior road manners and seats four with ease. Sweeping fender lines add style and permit easy entry. Optional side panels and rear engine cover transform the Imp into a sports car with classic lines. The Imp also sports wide rear fenders that will accommodate large, large tires.

All of this coupled with use of famous EMPI goodies for the VW make the Imp a sound choice for driving pleasure both on and off the road. And with six Imp kits available, there's bound to be one just right for you.

The kits start with the basic body kit and go all the way up to the Gran Sport which is the most complete buggy kit on the market.

By stocking the largest inventory of buggy components available, EMPI is able to supply the builder with everything to build his buggy just the way he wants it. With EMPI's full line of buggy equipment, builders can concentrate on their car's assembly rather than spend much of their time scrouging for parts.

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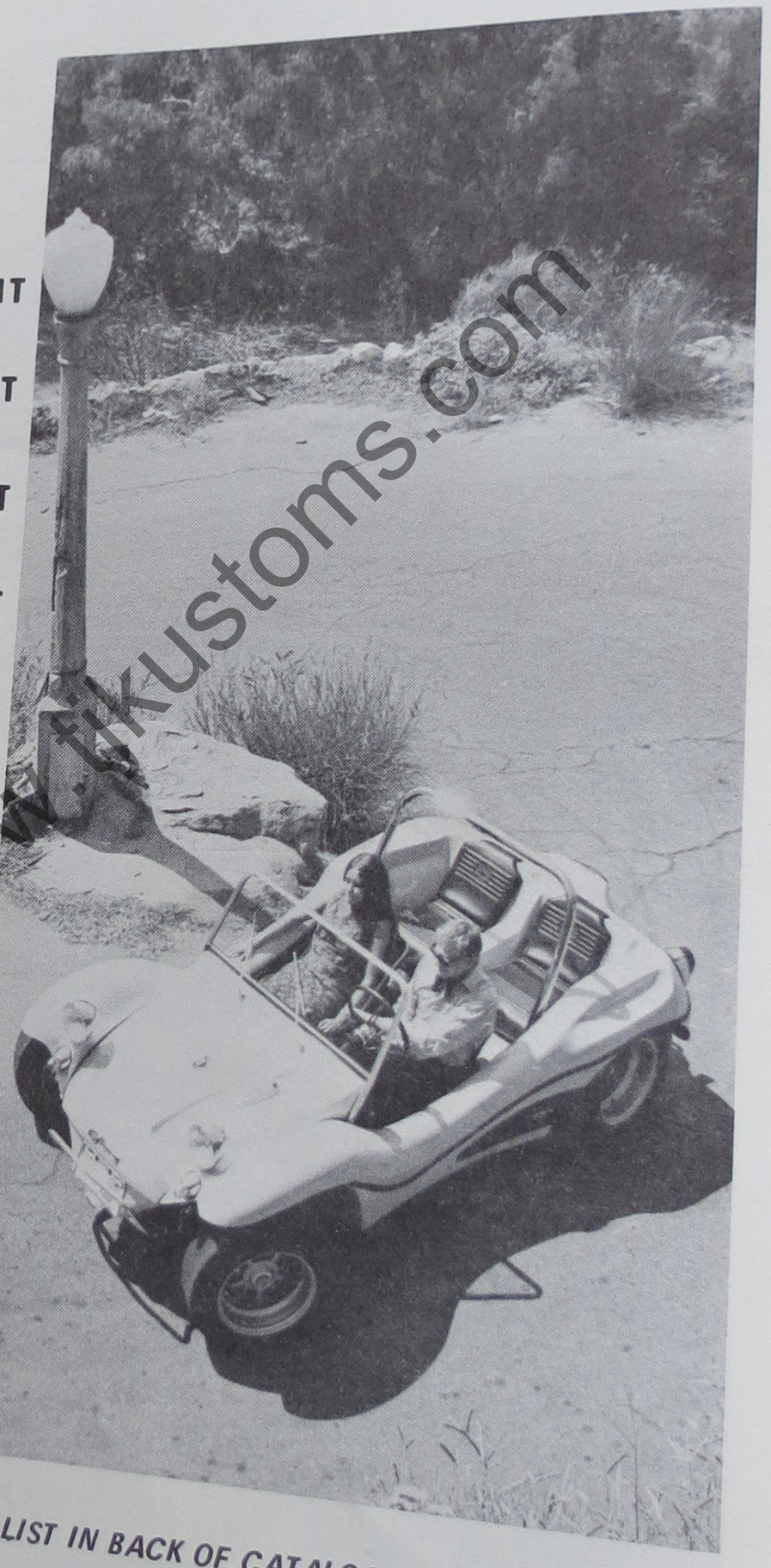
HERE'S THE NEW 1970 MODEL

EMPI development engineers have been burning midnight oil updating the fun car concept to new highs for the buggy industry. There are numerous improvements on the 1970 Imp, each one designed to make a good car better. Our styling changes are evolutionary, much like Volkswagen's, where the product gets better each year without obsoleting previous models. Not only does the Imp feature the latest technical advances in fiberglass construction and quality, but each and every component is selected with utmost care to insure you of a top notch buggy. Sounds like a winning combination, doesn't it? Why not go Imp in 1970? We are confident you will agree you are going with a winner.

SIX FABULOUS KITS TO CHOOSE FROM

IDB-200	IMP BASIC KIT
IDB-300	IMP DELUXE KIT
IDB-400	IMP SUPER DELUXE KIT
IDB-500	IMP SPORT KIT
IDB-600	IMP SUPER SPORT KIT
IDB-700	IMP GRAN SPORT

Side panels and engine cover are optional except on the IDB-700 kit.



KITS ARE AVAILABLE IN THE FOLLOWING COLORS:

STANDARD COLORS: EMPI Orange, White, Green, Yellow, Blue and Red.

METAL FLAKE COLORS: Brilliant Red-10E, Royal Blue-15E, Emerald Green-20E, Cold Fire-22E, Appricot-9E, Bright Orange-8E, Peacock-16E, Dark Gold-4E, Chartreuse-6E, Golden Orange-7E, Jubilee-11E, Fuchsia-12E, Bright Silver-1E.

(For metal flake colors add $85.00 to price of EMPI Imp Kit.)

FOR PRICES SEE SPECIAL IMP PRICE LIST IN BACK OF CATALOG.

For the complete information package on the new '70 EMPI Imp send $1.00 to EMPI.

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ORDERING & SHIPPING INFORMATION

WHERE TO ORDER:

The EMPI Imp can be purchased through any EMPI authorized dealer, jobber or distributor or direct from EMPI in Riverside. Residents of Canada must order through Auto Conversion Ltd., 901 Lakeshore Road E., Port Credit, Ontario. For sales outside the continental U.S., contact EMPI, Export Division, Riverside, California. A list of our major distributors and jobbers is on the back side of this form. You can contact a jobber or distributor near you for the name of the EMPI dealer nearest you or you can write EMPI direct for the name of the nearest dealer.

HOW TO ORDER:

Use the order blank that is part of this form to speed your order. Print clearly to avoid mistakes. Please check carefully to make sure you haven't left something undone. Please send cashier's check or money order. Personal checks are acceptable but take time to clear (do not send cash through the mail). Mail your order to an EMPI dealer, jobber, distributor or direct to EMPI.

HOW IT WILL BE SHIPPED:

The EMPI Imp can be shipped by the following methods:

1. EMPI Fiberglass Truck Line
2. Direct factory pick up
3. Common carrier (regular truck line)
4. Air Freight
5. Railway Express
6. Ocean Freight

It all depends on where you live in relation to Riverside, California as to which method is best and lowest in total shipping costs. A direct factory pick up is the most economical and gives you the added incentive of a tour of EMPI.

Imp body carton size is 2' x 11' and two (2) body cartons can be carried in a full sized pickup. All bodies are prepackaged so that the crating charge is still applicable. We do ask you notify us in advance of your arrival time for factory pickups.



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COMMON CARRIER:

If you live in California, Oregon, Washington, or Nevada, the EMPI Imp can be shipped via common carrier at a reasonable rate. This rate is 1-½ times the rate for first class. Considering its weight, approximately 175 lbs., this can run as low as $20.00 in most of California, to a high of approximately $50.00 in Seattle, Washington. Check your local truck lines or write EMPI for rate quote to your specific location. In all other states except California, Washington, Oregon, Nevada, Alaska* and Hawaii*, the Imp can be shipped via common carrier but the rates for fiberglass bodies are excessively high due to restrictive tariffs granted to common carriers by the Interstate Commerce Commission. The rate for fiberglass bodies is 3 times first class and you must pay for 1000 lbs. minimum, regardless of what it weighs. For example, to New York you would have approximately $38.00 per CWT and have to pay for 1000lbs. or $380.00 so this is not a good way to ship into these states. *Cannot be shipped via common carrier, must go ocean freight.

RAILWAY EXPRESS:

Same rates and conditions as common carrier, not a good way to ship as rates are high and service slower, but if you want Railway Express shipment write EMPI for special quote.

AIR FREIGHT:

Many air freight lines can carry the Imp body and rates about the same as common carrier (sometimes lower) and their advantage is faster delivery. Charges vary greatly so write for quotation on air freight delivery.

OCEAN FREIGHT:

Rate is determined by the cube of the box. This method is the only way for many destinations, Alaska, Hawaii and all points outside the U.S. Write our export division for quotation to your destination (ocean freight requires additional crating - see price list).

EMPI FIBERGLASS TRUCK LINE:

In all states except California, Washington, Oregon, Nevada, Hawaii and Alaska, the best and lowest cost way to ship is via EMPI Fiberglass Truck Line. These trucks are designed and equipped to haul fiberglass bodies economically. The EMPI truck line will deliver the Imp body to your location for $100.00 flat charge. This includes the IDB-200, IDB-300 or IDB-400 component parts at no extra cost. On the IDB-500, IDB-600 and IDB-700* kits, we cannot include the component parts with the body kit so the component parts for the IDB-500, IDB-600 and IDB-700* have to be shipped to you freight collect via common carrier at the standard auto parts rate.

In all the above kits, the body box will contain the component parts that make up to the IDB-400 part of the kit so you only pay the freight on the component parts above an IDB-400 kit *The IDB-700 kits have the body, hood, IDB-400 parts plus the side panel and rear engine cover packed in the body-hood master carton.

ALL IMP KITS AND COMPONENTS ARE F.O.B. RIVERSIDE, CALIFORNIA. F.O.B. means you pay the freight from Riverside, California to your destination.

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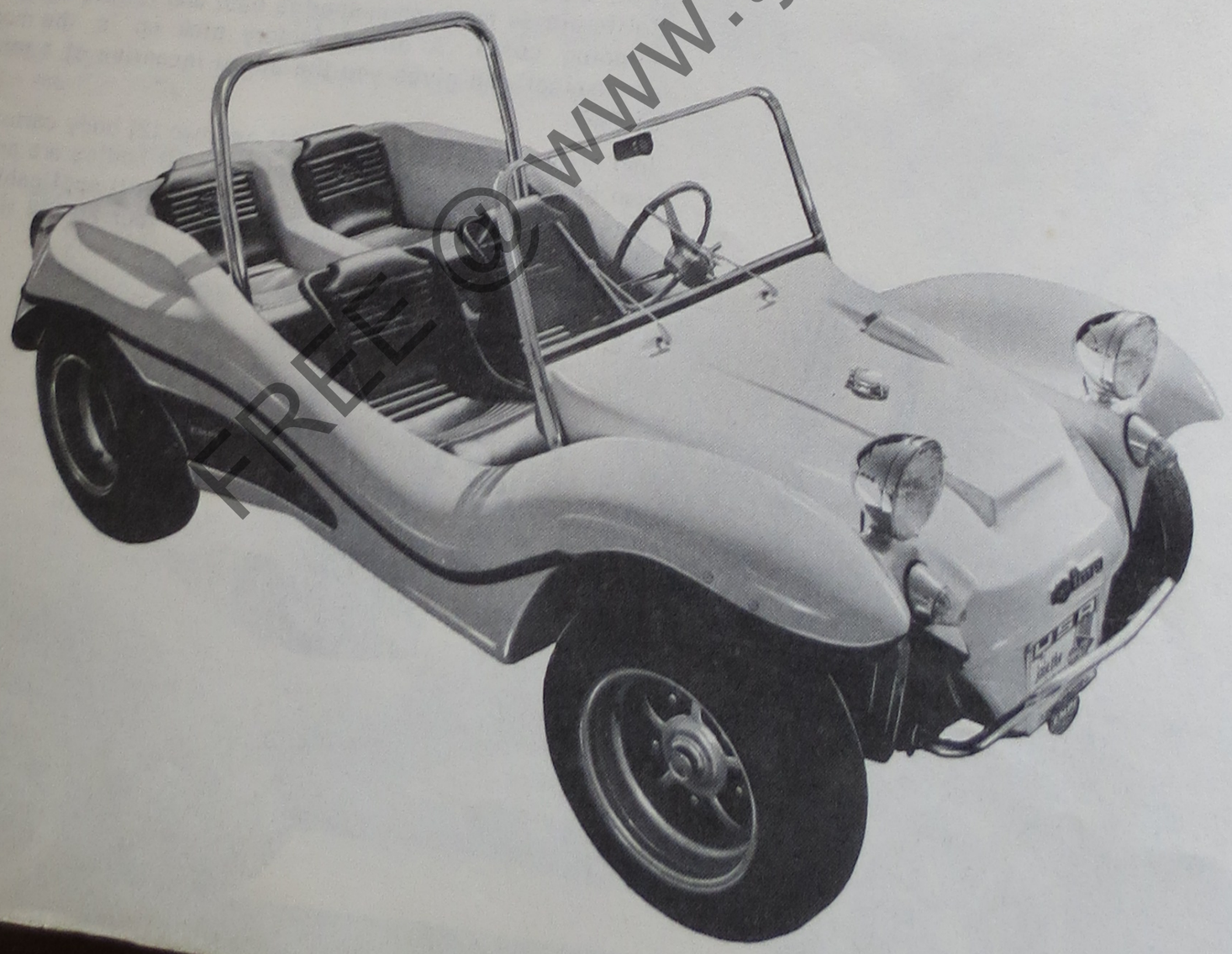

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HERE IS MY ORDER FOR THE NEW EMPI FUN CAR

☐ IDB-200 ☐ IDB-300 ☐ IDB-400 ☐ IDB-500 ☐ IDB-600 ☐ IDB-700

PLEASE ENTER NUMBERS WANTED - SPECIFY COLORS WANTED BELOW:

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I ALSO WANT TO ORDER THE FOLLOWING EMPI PARTS AND ACCESSORIES:

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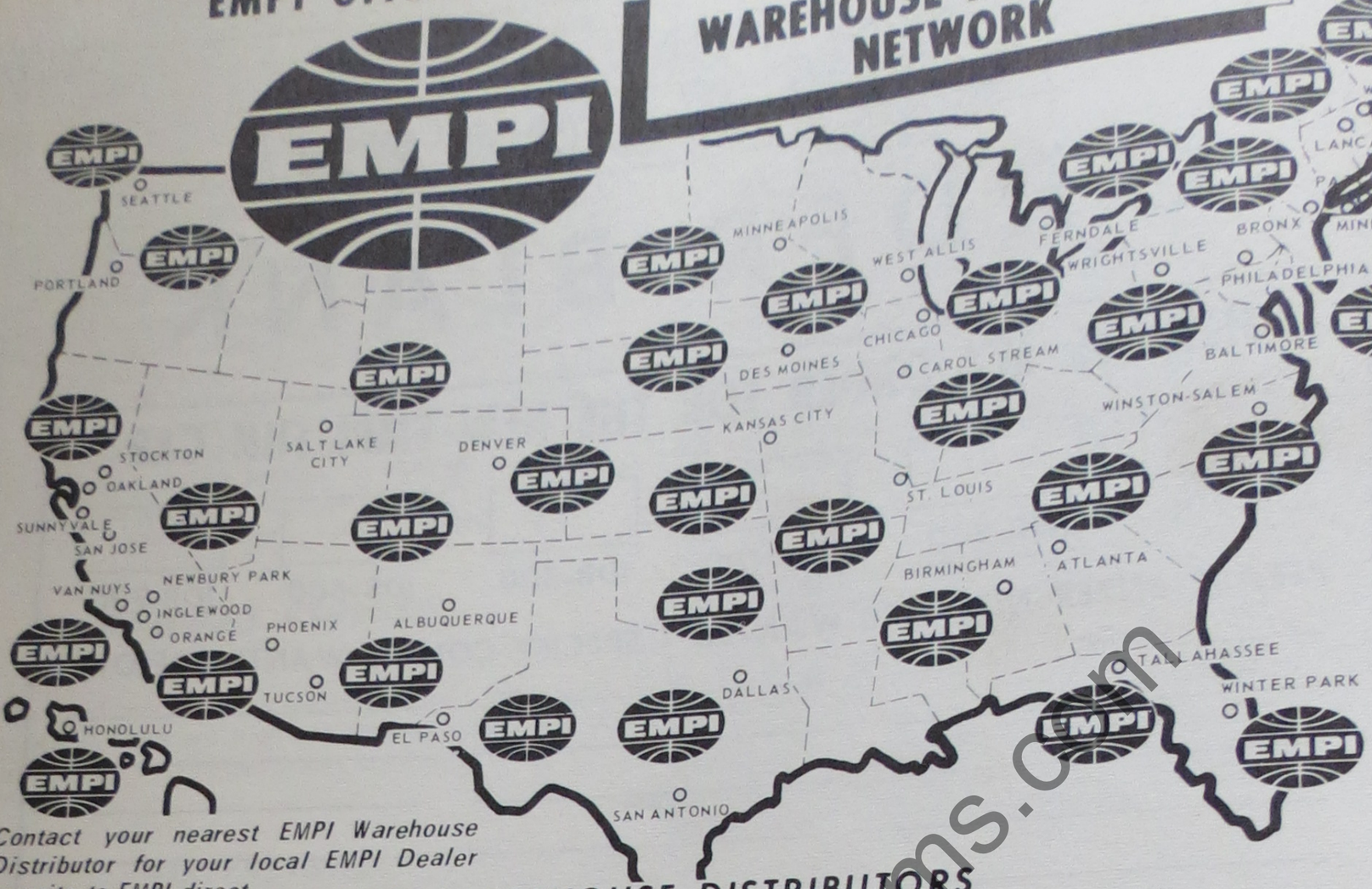

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EMPI P.O. BOX 1120, RIVERSIDE, CALIF., 92502 •

EMPI imp PRICE LIST

ALL PRICES EFFECTIVE / SEPTEMBER 1969

ENGINEERED MOTOR PRODUCTS, INC. • P.O. BOX 1120, RIVERSIDE, CALIFORNIA 92502

IDB-200 EMPI IMP KIT

• $395.00

Contains the following:

- Main body section
- Hood dash assembly
- Imp nose and tail emblems
- EMPI-USA License Frames, pair
- Imp instruction manual
- EMPI side panel logos

IDB-300 EMPI IMP DELUXE KIT

• $685.00

Contains the following:

- Main body section
- Hood dash assembly
- Imp nose and tail emblems
- EMPI-USA license frames, pair
- Imp instruction manual
- EMPI side panel logos
- Dash support bracket
- Windshield frame with glass
- Rear license plate light, chrome
- Headlights, chrome, pair
- Tail lights, chrome, pair
- Turn signals, chrome, pair
- Inside rear view mirror
- Complete wiring loom
- Clutch cable clamps
- Brake cable adapters
- Fender welt
- Nose support bracket
- Rear body support bracket kit
- Battery support bracket and retainer
- Body assembly bolt kit

IDB-400 EMPI SUPER DELUXE KIT

• $870.00

Contains the following:

- Main body section
- Hood dash assembly
- Imp nose and tail emblems
- EMPI-USA license frames, pair
- Imp instruction manual
- EMPI side panel logos
- Dash support bracket
- Windshield frame with glass
- Rear license plate light, chrome
- Headlights, chrome, pair
- Tail lights, chrome, pair
- Turn signals, chrome, pair
- Complete wiring loom
- Clutch cable clamps
- Brake cable adapters
- Fender welt
- Nose support bracket
- Rear body support bracket kit
- Battery support bracket and retainer
- Body assembly bolt kit
- Imp pulley guard, chrome
- Rear bumper, chrome
- Front bumper, chrome
- Exhaust system, chrome
- Imp quick release gas cap, polished aluminum

IDB-500 EMPI IMP SPORT KIT

• $1060.00

Contains the following:

- Main body section
- Hood dash assembly
- Imp nose and tail emblems
- EMPI-USA license frames, pair
- Imp instruction manual
- EMPI side panel logos
- Dash support bracket
- Windshield frame with glass
- Rear license plate light, chrome
- Headlights, chrome, pair
- Tail lights, chrome, pair
- Turn signals, chrome, pair
- Inside rear view mirror
- Complete wiring loom
- Clutch cable clamps
- Brake cable adapters
- Fender welt
- Nose support bracket
- Rear Body support bracket kit
- Battery support bracket and retainer
- Body assembly bolt kit
- Imp pulley guard, chrome
- Rear bumper, chrome
- Front bumper, chrome
- Exhaust system, chrome
- Imp quick release gas cap, polished aluminum
- E-Z Shift
- Sprint Star wheels 8" mag grey finish(2)★
- Sprint Star wheels 10" mag grey finish (2)★
- 380mm wood steering wheel

★ SPECIFY 4 OR 5 LUGS

IDB-600 EMPI-IMP SUPER SPORT KIT

• $1599.00

Contains the following:

- Main body section
- Hood dash assembly
- Imp nose and tail emblems
- EMPI-USA license frames, pair
- Imp instruction manual
- EMPI side panel logos

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CONTINUED ON NEXT PAGE

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Dash support bracket
Windshield frame with glass
Rear license plate light, chrome
Headlights, chrome, pair
Tail lights, chrome, pair
Turn signals, chrome, pair
Complete wiring loom
Inside rear view mirror
Clutch cable clamps
Brake cable adapters
Fender welt
Nose support bracket
Rear body support bracket kit
Battery support bracket and retainer
Body assembly bolt kit
Imp pulley guard, chrome
Rear bumper, chrome
Front bumper, chrome
Exhaust system, chrome
Imp quick release gas cap, polished aluminum
E-Z Shift
Sprint Star wheels 8" mag grey finish(2) ★
Spring Star wheels 10" mag grey finish (2) ★
380mm wood steering wheel
Carpet kit, black
Side panel carpet kit, black
Front seats, upholstered (2)
Rear seat cover cushions
Vinyl top and side curtains
Roll bar, chrome
★ SPECIFY 4 OR 5 LUGS

IDB-700 EMPI IMP GRANSPORT

● **$1985.00**

Contains the following:

Main body section
Hood dash assembly
Imp nose and tail emblems
EMPI-USA license frames, pair
Imp instruction manual
EMPI side panel logos
Dash support bracket
Windshield frame with glass
Rear license plate light, chrome
Headlights, chrome, pair
Tail lights, chrome, pair
Turn signals, chrome, pair
Complete wiring loom
Inside rear view mirror
Clutch cable clamps
Brake cable adapters
Fender welt
Nose support bracket
Rear body support bracket kit
Battery support bracket and retainer
Body assembly bolt kit
Imp pulley guard, chrome
Rear bumper, chrome
Front bumper, chrome
Exhaust system, chrome
Imp quick release gas cap, polished aluminum
E-Z Shift
Sprint Star wheels 8" mag grey finish (2) ★
Sprint Star wheels 10" mag grey finish (2) ★
380mm wood steering wheel
Carpet kit, black
Side panel carpet kit, black
Front seats, upholstered (2)
Rear seat cover cushions
Vinyl top and side curtains
Roll bar, chrome
Rear engine cover, fiberglass, with attachment hardware
Imp side panel covers, fiberglass, with attachment hardware
EMPI tachometer
Ignition switch
Oil temperature gauge
Oil pressure gauge
Ammeter
Engine vacuum gauge
Brake warning light
Imp Add-A-Dash
★ SPECIFY 4 OR 5 LUGS

The EMPI Imp is available in 6 standard finishes and 14 metal flake finishes. The standard finishes are: EMPI orange, yellow, blue, white, red and green. The metal flake finishes are: Royal Blue, Jubilee, Fuchsia, Brilliant Red, Apricot, Golden Orange, Bright Orange, Dark Gold, Chartreuse, Cold Steel, Emerald Green, Peacock, and Bright Silver.

Prices of above kits are for standard finishes. Metal flake finish is extra on all kits.

○ indicates this item suitable for 1970 Imp only, will not fit other dune buggies

□ indicates this item, while used on the Imp, will fit other dune buggies.

● indicates 5% kit savings over regular price of individual items (page 8)

IXX-500 Metal Flake Finish
for above kits additional **$85.00**

All IMP KITS are shipped for 6 volt electrical system

OPTIONS

The options below are offered to enable you to design your Imp to your particular specifications:

IEPO-105 Imp Engine & Side Panel Option contains the following:
1—IREC-110 Imp Rear engine cover, with attachment hardware
1—ISPC-120 Imp side panel covers, pair, right and left, with attachment hardware

● ○ **$270.45**

IXX-501 Metal flake finish for IEPO-105

$29.95

IREC-110 Imp Rear Engine Cover, fiberglass, with instructions, all attachment hardware and rubber trim

○ **$95.00**

IXX-502 Metal flake finish for IREC-110

$14.95

ISPC-120 Imp Side Panel Covers, fiberglass, right and left, with instructions, all attachment hardware and rubber trim

○ **$190.00**

IXX-503 Metal flake finish for ISPC-120

$14.95

IBAO-121 Imp Bracket Assembly option includes the following:
Dash support bracket
Nose support bracket, pair
Rear body support bracket kit
Battery support bracket and retainer
Fender welt
Brake cable adapters
Clutch cable clamps
Body assembly bolt kit

● ○ **$110.16**

ILGO-122 Imp Light Group option includes the following:
Rear license plate light, chrome
Headlights, pair, chrome
Tail lights, pair, chrome
Turn signals, pair, front, chrome
Wiring loom

● ○ **$137.52**

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ICPO-123 Chrome and Protection option includes the following:

Front bumper, chrome
Rear bumper, chrome
Imp pulley guard, chrome
Exhaust system, chrome
Skid plate, fiberglass, reinforced

□ ● $ 170.75

IITO-124 Imp Interior Trim option includes the following:

Carpet kit, black
Side panel carpet kit, black
Front seats, upholstered, pair
Rear seat cover cushions

● ○ $314.67

IIDO-125 Imp Instrument and Dash option includes the following:

Tachometer
Ignition switch
Oil temperature gauge
Oil pressure gauge
Ammeter
Engine vacuum gauge
Brake warning light
Imp Add-A-Dash

● ○ $111.72

IMP COMPONENT KITS

The following are component kits only. They do not include the body-hood-dash assembly. The IDB-300 through IDB-700 kits do not include the component parts from an IDB-200 kit. The IDB-200 component kit parts are packed with each body assembly but are also available separately.

Component parts only:

IDB-200 C $21.80
IDB-300C $327.40
IDB-400C $522.10
IDB-500C $723.80
IDB-600C $1288.50
IDB-700C $1691.10

INDIVIDUAL PARTS FOR EMPI IMP

IPI-361 EMPI Imp Plans and Instructions. Complete data on how to build the EMPI Imp buggy. Includes '68-'69-'70 models. While written expressly for the EMPI Imp, it can serve as a guide in assembling any dune buggy. □ $9.95

IISM-310 Inside Mirror, suction cup type □ $4.95

IPSM-410 Solid transmission mounts, set $ 28.20

ELECTRICAL AND INSTRUMENTS

SHL-321 Headlights, chrome, 6-12 volt, specify, pair □ $39.95

ACLV-531 Tail Lights, chrome, including back up lights, latest VW style, 6-12 volt, specify, pair □ $ 30.69

ATIV-677 Front Turn Indicator Lights, chrome, Imp style, 1970 model, specify 6 to 12 volt, pair ○ $19.95

ILLV-678 Rear License Plate Light, chrome, 6-12 volt, specify □ $14.95

SWH-450 Wiring Harness, EMPI Imp and other dune buggies □ $39.95

NIIS-145 Imp Ignition Switch □ $6.95

NETX-133 Tachometer for all 4 cyl. engines 6 to 12 volt □ $40.68

N 0 TV-152 Oil Temperature Gauge 6 to 12 volt □ $16.77

NOPV-100 Oil Pressure Gauge 6 to 12 volt □ $ 16.77

NAMX-101 Ammeter 6 to 12 volt □ $8.51

NVGV-221 Engine Vacuum Gauge 6 to 12 volt □ $16.77

NBLV-110 Brake Warning Light 6 to 12 volt □ $9.41

AIAD-492 Imp Add-A-Dash, wood grain ○ $3.95

WHEELS

AOWX-693 Sprint Star 8" x 15" mag grey finish, 5-lug, including hub caps and lug nuts □ $37.95

AOWX-695 Sprint Star 10" x 15" mag grey finish, 5-lug, including hub caps and lug nuts □ $39.95

AOWX-697 Sprint Star 8" x 15" mag grey finish, 4-lug, including hub caps and lug nuts □ $37.95

AOWX-699 Sprint Star 10" x 15" mag grey finish, 4-lug, including hub caps and lug nuts □ $39.95

PROTECTION

IPG-360 EMPI Imp Pulley Guard, covers both pulley and fanbelt, chrome □ $14.95

IFB-485 Front Bumper EMPI Imp, all axles to 1970, fits most dune buggies, chrome □ $39.95

IRB-384 Rear Bumper EMPI Imp, fits most dune buggies. Bolt-on with support brackets to use with SXS-475 Imp heater exhaust system, chrome □ $29.95

IRB-387 Roll Bar EMPI Imp. Bolt-on. Fits most dune buggies, chrome $39.95

IWSG-521 EMPI Imp Windshield with approved safety glass. Highly polished chrome plated. Black, rubber trim, all models □ $69.95

IPL-373 EMPI Imp Skid Plate. To be used with SXS-475 exhaust system and IRB-384 rear bumper, fiberglass □ $34.95

ASHV-405 Safety Harness. Combination seat belt and shoulder harness. Fits left or right hand side, must use roll bar □ $ 14.84

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CONTINUED ON NEXT PAGE

ISWS-386 EMPI Imp full width bumpers. Must be used with IFB-485 and IRB-384 bumpers. Pair, front and rear, chrome plated. A must in some Eastern states for registration. ☐ **$59.95**

INTERIOR TRIM

HFSX-301 Bucket Seat. Fiberglass, light weight, upholstered. Mounts to VW seat rails, full tilt forward, racing or street. Imp or any dune buggy. Black only, pair ☐ **$173.40**

ISC-505 Rear Seat Cushions for EMPI Imp. Black, snap-in style ○ **$59.95**

IRSV-506 Rear seat side panel upholstery, matches rear seat cushion , 1970 Model only ○ **$24.95**

ICK-121 Imp Carpet Kit. Black only, any Imp model ○ **$49.95**

ICKS-243 Imp Side Panel Carpet Kit. Black only, 1970 model ○ **$49.95**

TOPS

ICT-239 EMPI Imp Vinyl Top. Bows and side curtains included, black only ○ **$195.00**

ITM-490 EMPI Imp Fiberglass Mini Top. Includes chrome plated hardware, mounts to roll bar. Black only ☐ **$99.95**

ITS-491 Fiberglass Surrey Top for EMPI Imp. Includes chrome plated hardware. Mounts to Roll Bar. Black only ○ **$99.95**

ITL-492 Fiberglass Landau Top for EMPI Imp. Includes side curtains. Black only ○ **$299.95**

EXHAUST SYSTEMS

SXS-473 Imp Exhaust System. Fully chrome plated dual mufflers, side outlet. Fit s all VW engines ☐ **$59.95**

SXS-472 Imp Exhaust System. Dual mufflers, side outlets, chrome tips. Fits all VW engines ☐ **$49.95**

SXS-475 Imp Heater Exhaust System for Imp and other dune buggies. Dual mufflers, side outlets, chrome tips. Attaches to stock VW heater boxes. Includes twin vents, heat transfer tubes, all necessary hardware for installation. Painted finish '68 to '70 Imp only ☐ **$69.95**

ASSEMBLY ITEMS

IRB-521 EMPI Imp Hood Dash Support Bracket, 1970 model only ○ **$29.95**

IGC-400 Imp Quick Release Gas Cap. Polished aluminum, center hood mounting. Weld on tank neck included. Universal, fits most dune buggies ☐ **$19.95**

IBSV-904 Battery Support Bracket and Retainer, 1970 model ☐○ **$19.95**

IRSB-905 Rear Body Support Bracket Kit, 1970 model ○ **$19.95**

I-129 Nose Support Brackets, pair '68 to '70 Imp **$2.95**

IBK-900 Body Bolt Assembly Kit. Includes brake cable adapter and clutch cable clamps , Any Dune Buggy ○ **$19.95**

IFWS-550 Fender Welt. Neoprene, 8 ft. ☐ **$3.20**

SDT-250 Dual Traction Brake, chrome plated. Rubber handles. Fits most dune buggies ☐ **$19.95**

TBAX-522 EMPI Torsion Bar Adjuster. Raise or lower VW front suspension. Fits most dune buggies and VW sedans ☐ **$21.95**

STB-422 Tow Bar. EMPI Imp for use with IFB-485 Imp front bumper only ☐○ **$ 36.95**

INP-265 EMPI Imp name plates stick to any surface , pair **$3.95**

ELP-270 EMPI Logo, oval, sticks to any surface, pair **$3.95**

ELT-271 EMPI Logo, oval, (small) for ITL-492 Landau Top, sticks to any surface, pair **$3.50**

AXXX-301 EMPI-USA License Plate Frames, for EMPI-Imp, pair **$ 3.95**

IMFC-130 Imp Color Charts, metal flake and standard colors ... **$2.00**

AXXX-401 IMP MODEL REVELL KIT **$2.00**

PACKING CHARGES

Each body kit	**$30.00**
ITL-492 LANDAU TOP	**$10.00**
IEPO-105 Imp engine and side panel options	**$15.00**
IREC-110 Imp Rear engine cover	**$10.00**

CRATING CHARGES

Each body kit (for ocean freight)	**$70.00**
ITL-492 Landau Top (for ocean freight)	**$20.00**

All EMPI Imp Body Kits, Component Kits and Imp parts are F.O.B. Riverside, California. F.O.B. means you pay the freight from Riverside to destination. See shipping information.

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□ $19.95

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□○ $19.95

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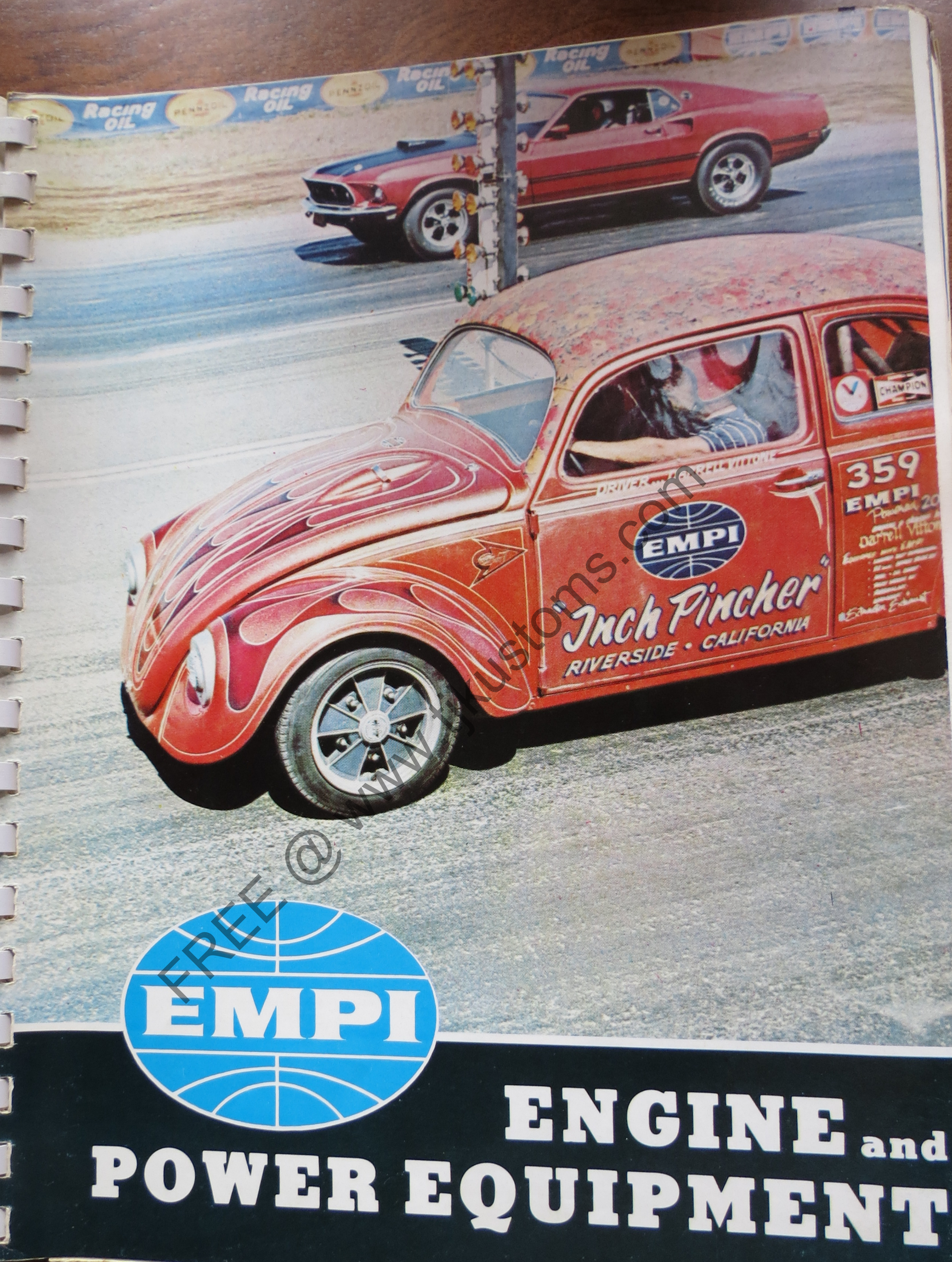

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ENGINE and POWER EQUIPMENT



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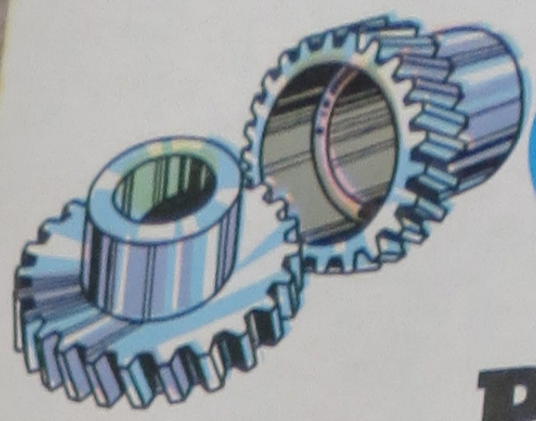
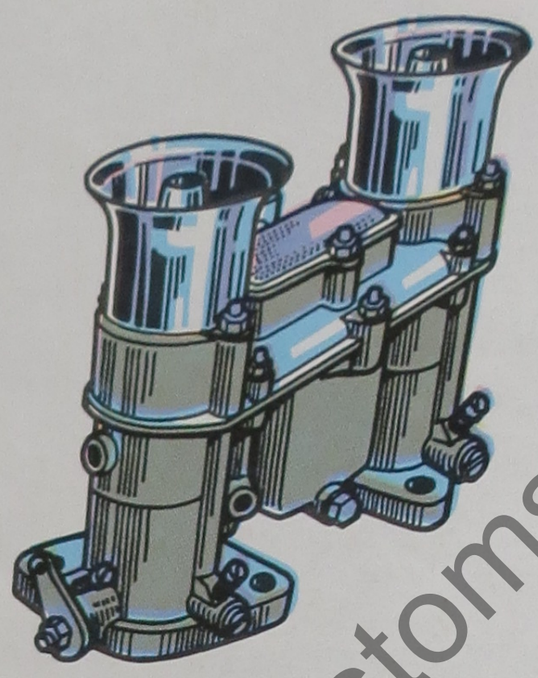
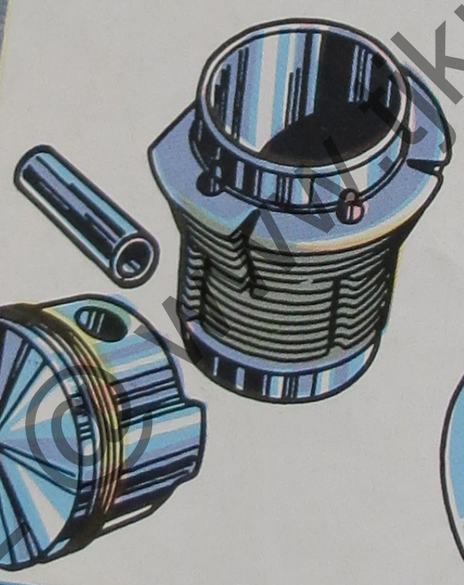
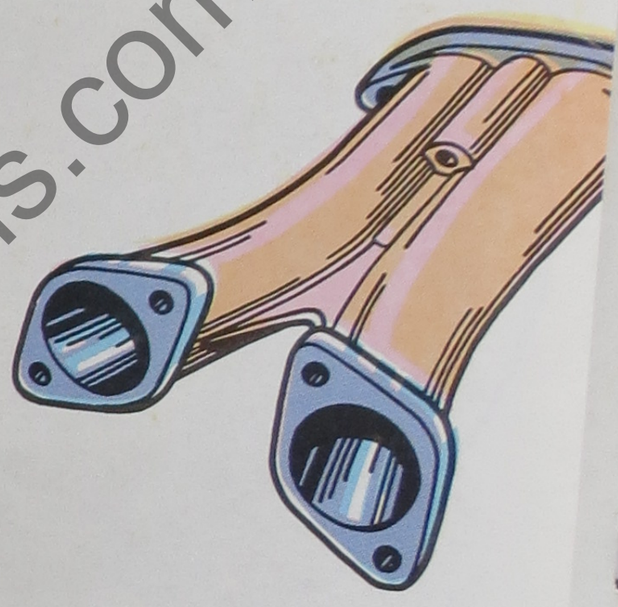
POWER SETS THE PACE









WHO KNOWS MORE ABOUT HOT VW'S THAN EMPI !

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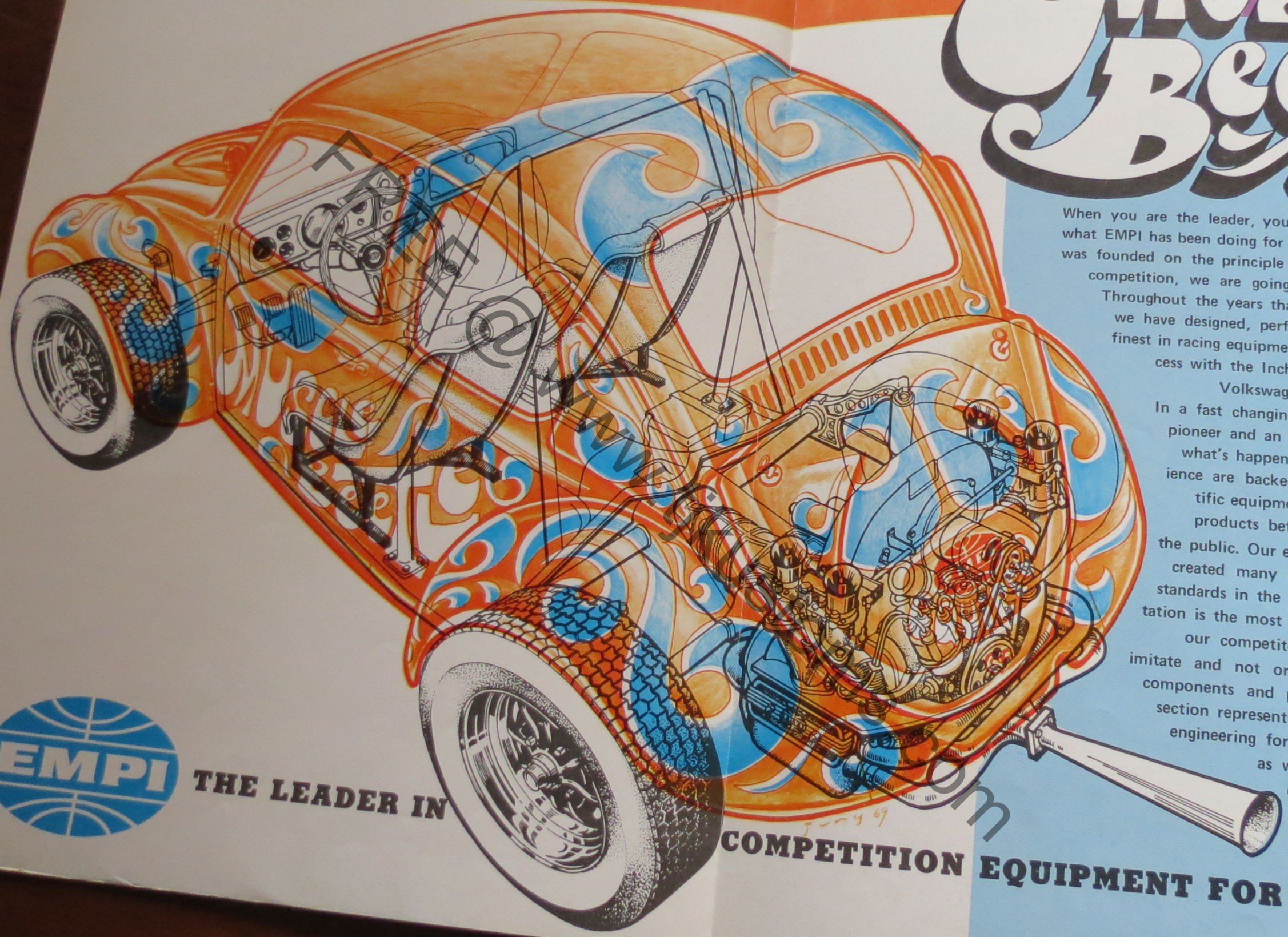
POWER FOR THE

Muscle Beetle



When you are the leader, you have to run fast and that's what EMPI has been doing for the last thirteen years. EMPI was founded on the principle that instead of just meeting competition, we are going to create the competition. Throughout the years that we have been in business, we have designed, perfected and manufactured the finest in racing equipment for Volkswagen. Our success with the Inch Pincher, the world's fastest Volkswagen speaks well of our efforts.

In a fast changing market, you have to be a pioneer and an innovator to keep abreast of what's happening. EMPI's years of experience are backed up with the latest of scientific equipment to prove our theories and products before we offer them to you, the public. Our experience over the years has created many new products that are now standards in the industry. They say that imitation is the most sincere form of flattery and our competitors have only been able to imitate and not originate. We know the kits, components and parts offered in our power section represents the very latest in advanced engineering for Volkswagen. In the future, as well as in the past, you can continue to look to EMPI for leadership in the high performance field for Volkswagen.

EMPI

THE LEADER IN COMPETITION EQUIPMENT FOR VOLKSWAGEN !



WHY DON'T YOU GET ON THE WINNING TEAM?
Join EMPI in making Volkswagen the most popular car in the world. We have had a thing about Volkswagen for over thirteen years. We feel this little air-cooled wonder is one of the greatest cars ever to come along.

The staff of experts at EMPI have worked with Volkswagen over the years to produce many new innovations in speed and power equipment. Some of our earliest endeavors were, first with stroker crankshaft, first with supercharger and developing the original replacement valve guides that have saved Volkswagen owners untold thousands of dollars over the years. We have a theory that if you are on the WINNING TEAM, you have to do better than just average, you have to do the very best you can every time and that's how our products are made. Each item is engineered, tested, designed, raced and perfected before being sold to the public.

The famous INCH PINCHER drag car, the WORLD'S FASTEST VW, has served well over the years as a test bed to perfect EMPI products. Anyone who has seen its super-swift performance at drag strips across the nation knows that EMPI has the know-how. At one time we felt we would have been satisfied just to break the 100 mark but now our best time in the Inch Pincher is 114 mph with a 11.80 E.T.

Once an item has been proved on the race track, we bring it to you in a manner that enables you to easily adapt it to your car. We are kind of do-it-yourselfers, so we can appreciate the problems of the average person wanting to hop up his Volkswagen. That is the reason we try to keep everything as simple as possible and make it where ever possible a bolt-on operation.

The items you see on the following pages represent our latest efforts at EMPI. But we are not resting on our laurels, our Research and Development Department is currently exploring the new frontiers of the latest Volkswagen 411 engine and developing new products for it. We expect to enlarge the new 411 engine to about 3 liters. Who knows, maybe the 150 mph Volkswagen drag race car VOLKSWAGEN - POWERED is just around the corner.

We invite you to join the wining team - go EMPI in 1970!

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BLUEPRINT

When the EMPI engineers decided to exploit the power potential in the new 1300, 1500 and 1600cc VW engines, a blue print for power was devised and certain standards to go by were set up. The primary objective was to increase power and performance with no sacrifice in reliability.

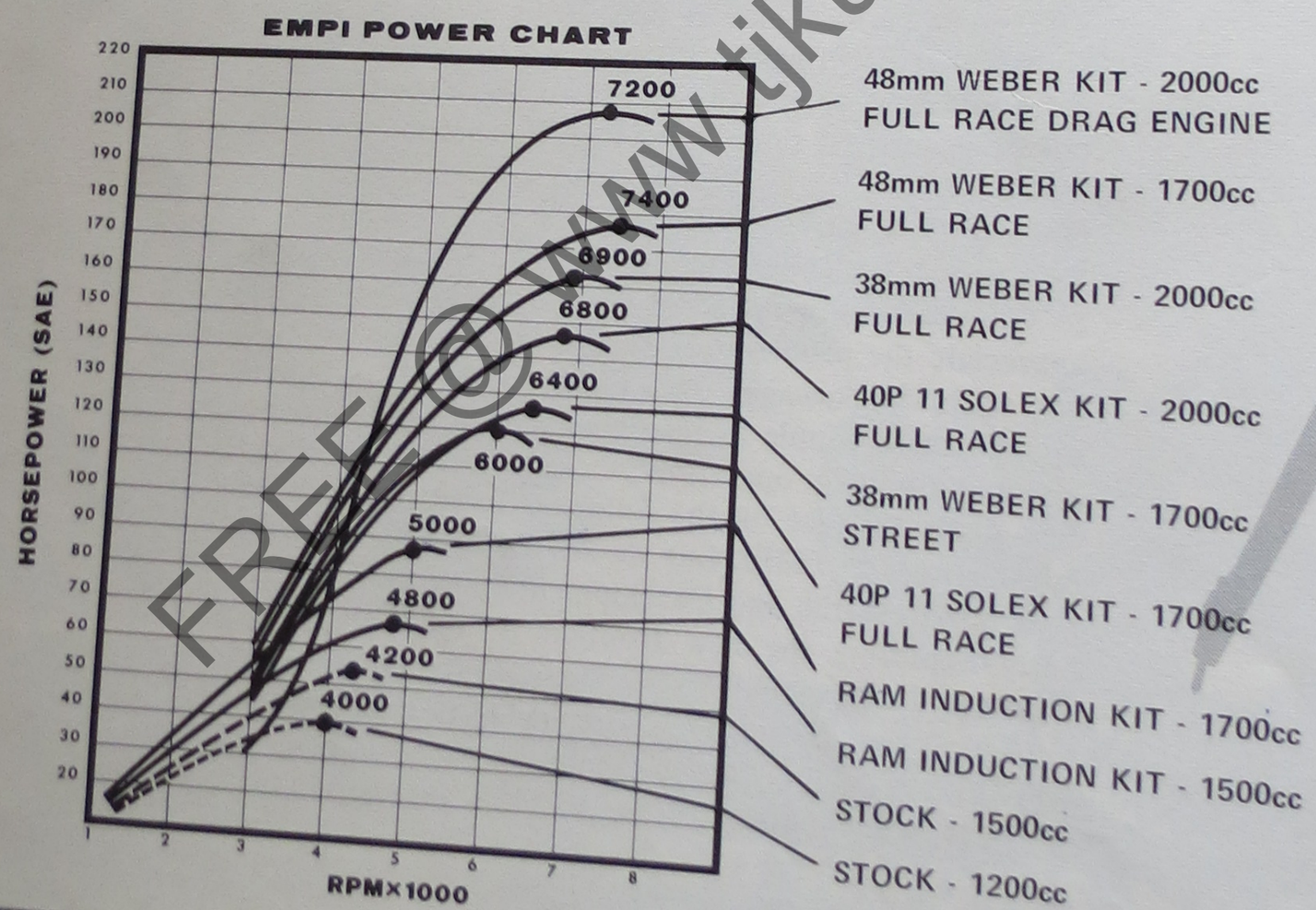
The basic path to power we followed is increased displacement, improved induction system and higher compression ratio. The following is a step-by-step description of how the blue print was devised for the EMPI Racing Kits.

Step No. 1 Includes taking raw castings and counterboring the twin port cylinder heads to accept EMPI's 88mm Super Bore Kit PBBV-101 or PBBV-105. The cylinder heads are then milled for compression ratio of 10:1. This operation is performed on precision jigs and milling machines.

Step No. 2 The standard VW valve seats are removed and new, larger 39mm valve seats installed. At this time we also remove the stock VW valve guides.

Step No. 3 The cylinder heads DW-3 are ported and polished throughout the intake and exhaust passages to a mirror-like finish. Special attention was paid in the design to achieve a

EMPI POWER CHART



48mm WEBER KIT - 2000cc FULL RACE DRAG ENGINE

48mm WEBER KIT - 1700cc FULL RACE

38mm WEBER KIT - 2000cc FULL RACE

40P 11 SOLEX KIT - 2000cc FULL RACE

38mm WEBER KIT - 1700cc STREET

40P 11 SOLEX KIT - 1700cc FULL RACE

RAM INDUCTION KIT - 1700cc

RAM INDUCTION KIT - 1500cc

STOCK - 1500cc

STOCK - 1200cc

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FOR POWER

proper gas flow pattern for maximum induction. All combustion chambers are polished and cc'd, all sharp edges and burrs removed. Reliefs are provided around the inlet valves to avoid shrouding them. We then install EMPI aluminum silicone bronze valve guides back into the cylinder heads. After the heads are thoroughly cleaned, a racing valve job is performed. Racing valve springs and light weight alloy retainers are installed with special EMPI 39mm intake valve and EMPI racing exhaust valve. The cylinder head comes complete ready to bolt on. The EMPI-designed high rise aluminum alloy intake manifolds are precision castings and are easily matched to the EMPI twin port cylinder heads and to the carburetors supplied.

To increase the displacement we designed specially 88mm Super Bore piston-cylinder kits. These EMPI pistons are available in standard VW (69mm) and 82mm stroke. In the 2000cc kit we include the EMPI 82mm roller bearing crankshafts complete with rods, rod bearings and main bearings. The roller crankshaft is drilled for 8 dowel pins and will accept the EMPI billet flywheel that has been lightened to 10-½ lbs. A 200mm or 180mm EMPI heavy duty clutch kit is also supplied.

The strong, rugged lower end of the VW engine, when combined with EMPI equipment, allows power output up to 208 hp in the EMPI version of an all out drag race engine.

The power charts show what you can expect when using EMPI Twin Racing Kits. We have six great kits to choose from and these are fully detailed on the following pages.

The VW cylinder block has to bored to accept the 88mm Super Bore piston and cylinder kit and when building a 2000cc kit, it is necessary to provide relief in the VW cylinder case to allow clearance for the 82mm roller bearing stroker crankshaft.

In addition to the other modifications, it is necessary to make minor sheet metal modifications to allow the manifolds to fit the cylinder heads. Other than this, these are simple bolt-on applications.

Camshafts are not supplied in the kits as this is left open to your own selection. This way you can tailor your camshaft to your requirements. See camshaft page for selection.

The EMPI twin racing kits come complete with linkage, fuel line kit, electric fuel pump and the Weber kits have ram stacks included with carb at no extra cost. All kits are supplied with necessary gaskets and hardware for installation.

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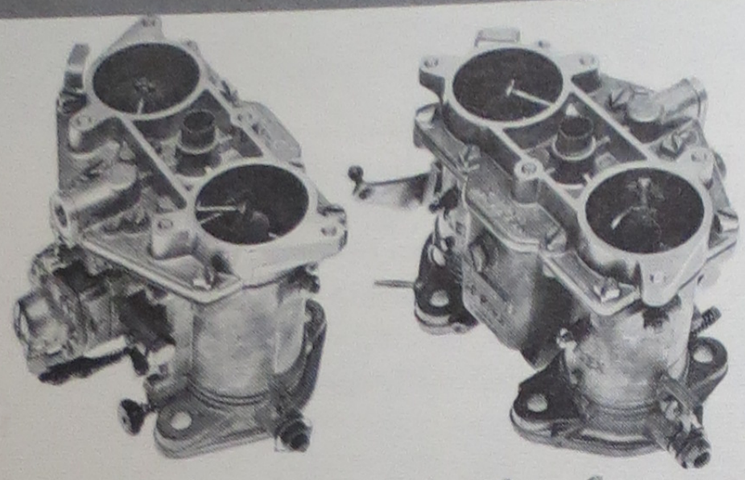
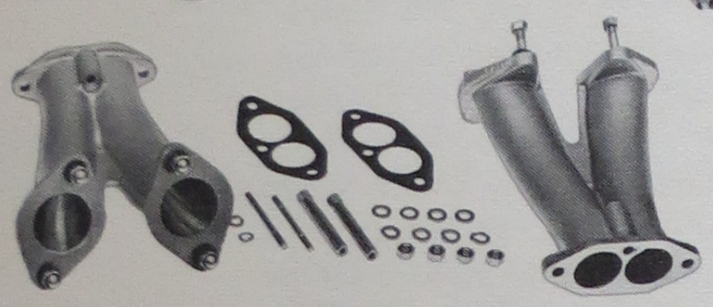
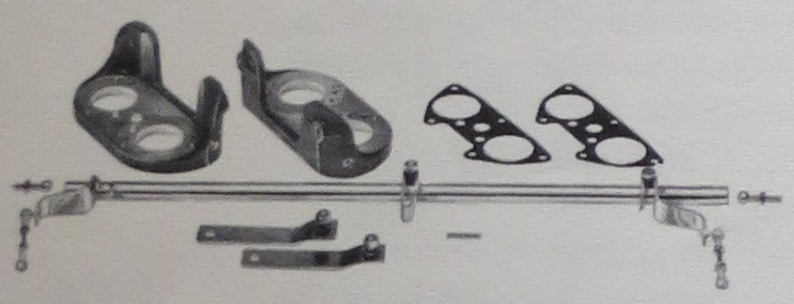
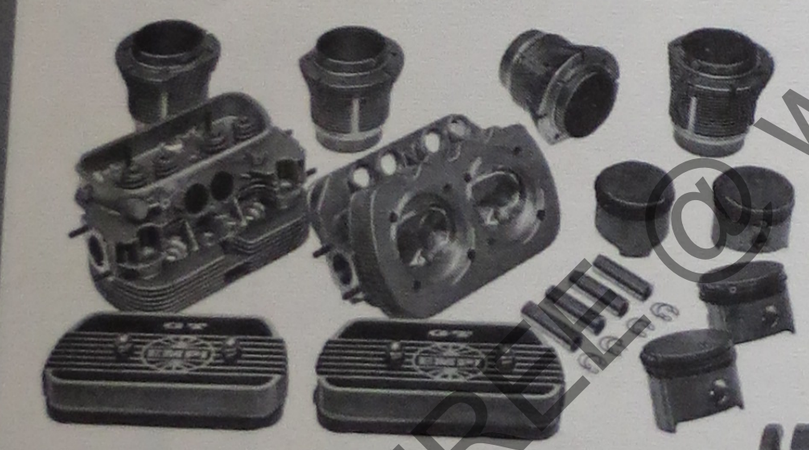
TOTAL PERFORMANCE

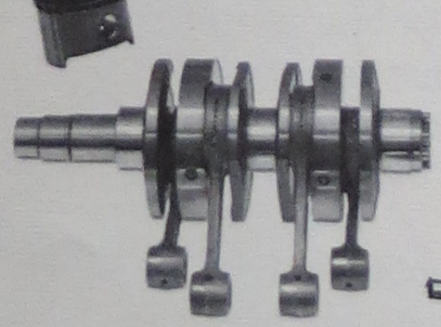
TWIN SOLEX RACING KITS

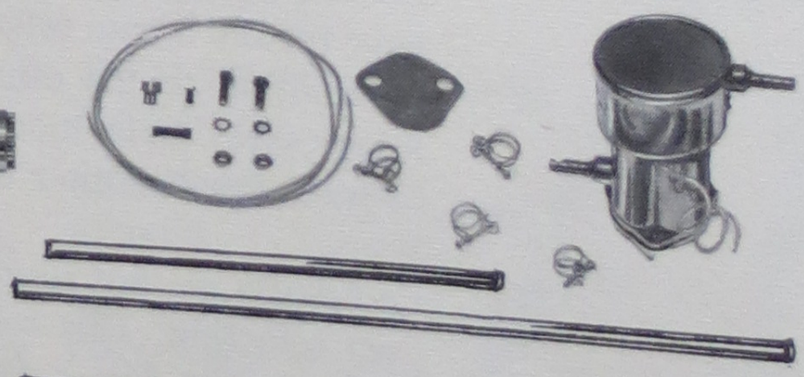




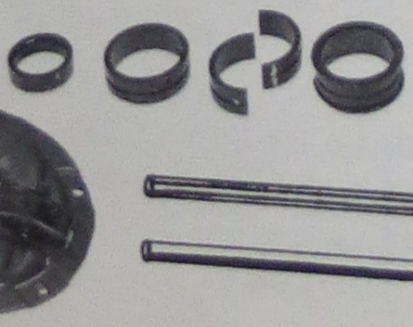














The name EMPI has become synonymous with total performance in Volkswagen and as part of our total performance packages we offer Twin Solex Kit, 2000cc or 1700cc displacement. Components as supplied in these kits can be used for almost any form of competition for VW, drag racing, sports car, dune buggies, off-the-road or to build a muscle beetle for the street.

The place that the Solex kits really stand out is on the street. With 32mm venturis in the Solex carbs you have a good low speed performance plus a real good top end. This combination can be used with either a mild or the wildest of camshafts.

The Solex P40 11 is used on some of the finest racing cars in the world, renowned for its reliability and good performance with reasonable cost. So no matter which way you elect to go, street, strip or track, the EMPI Twin Solex Kit could really be your power mate.

PTSK-200 EMPI 2000 Twin Solex Racing Kit, includes 88mm alloy Super Bore Kit w/slipper-type forged pistons for 82mm stroke, 82mm roller crank assembly w/rods & bearings complete, two EMPI-modified twin intake port heads, two Solex 40P 11 carbs, two intake manifolds, flywheel, H.D. clutch kit, electric fuel pump, ram stacks, fuel line, valve covers, linkage set, gaskets & all hardware. Fits all 1300-1500-1600cc VW engines. Shipping weight: 150 lbs.

PTSK-201 EMPI 1700 Twin Solex Racing Kit, as above except 1700cc displacement. Use w/std. VW crankshaft. Crankshaft, H.D. clutch kit, flywheel not included. Shipping weight: 80 lbs.

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TWIN 38MM WEBER RACING KITS

THE POWER TRUST

Join the power trust with the EMPI Twin Weber Kit. Here's a chance to have your cake and eat it too - Weber's on the street. Power when you need it, high speed as well as low.

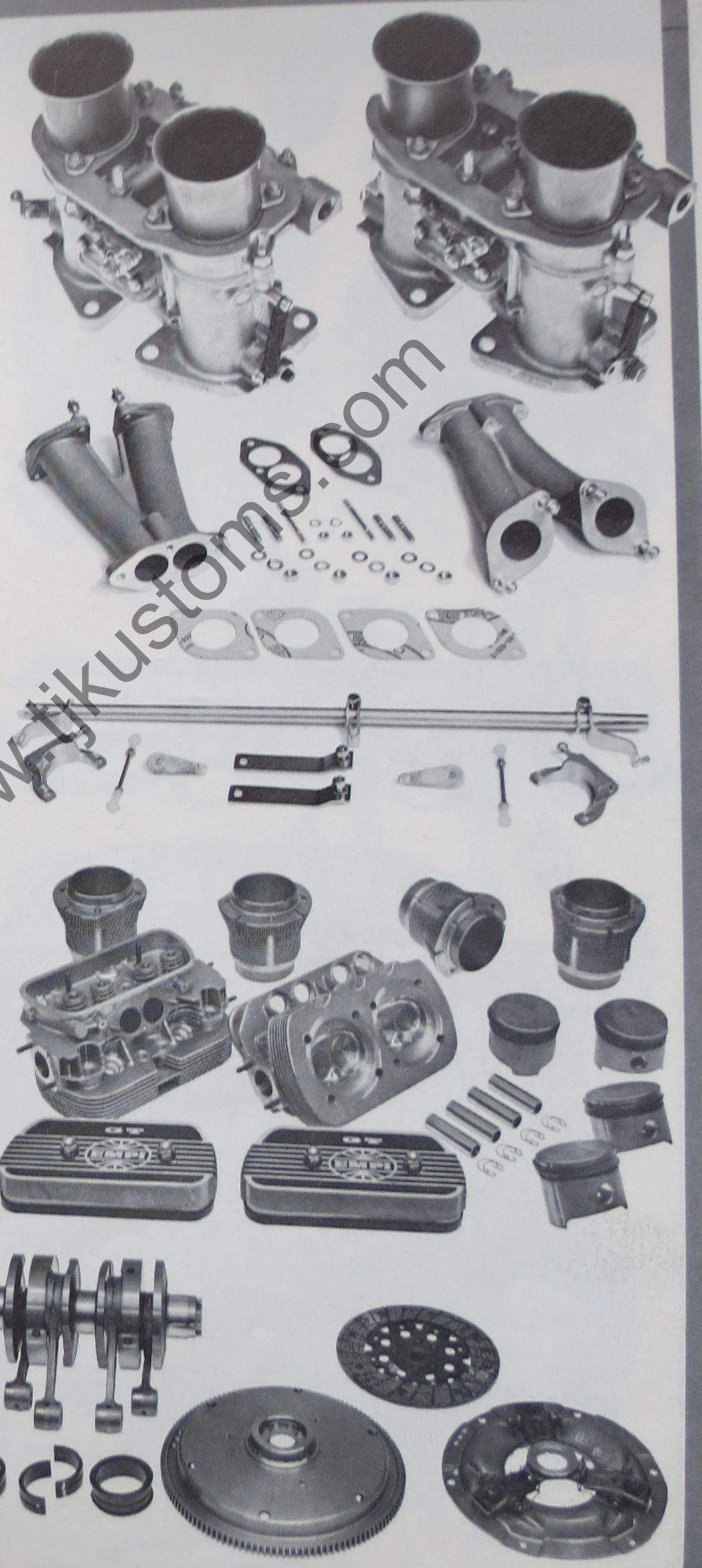
The EMPI Twin 38mm Weber Kit features smooth operation in all gears. The low end really comes on strong with constant improvement all through the rpm range. The Weber 38mm is offered as a step in between the twin Solex and twin 48mm Weber. The twin 38mm Weber has as good low end power as the Solex but is a decided improvement on the top end. Neither the Solex or the 38mm Weber are as good a producer as the 48mm Weber when used for all out competition. The 38mm Weber has a venturi size of 30mm and comes properly jetted for installation on the VW engine.

PTWK-400 EMPI 2000 Twin Weber Racing Kit, includes 88mm alloy Super Bore Kit w/slipper-type forged pistons for 82mm stroke, 82mm roller crank assembly w/rods & bearings, complete, two EMPI-modified twin intake port heads, two Weber 38DCNL carbs, two intake manifolds, flywheel, H.D. clutch kit, electric fuel pump, ram stacks, valve covers, fuel line, linkage set, gaskets, & all hardware. Fits 1300-1500-1600cc VW engine.

Shipping weight: 150 lbs.

PTWK-401 EMPI 1700 Twin Weber Racing Kit, as above except 1700cc displacement. Use w/std. crankshaft. Crankshaft, H.D. clutch kit, flywheel not included

Shipping weight: 75 lbs.



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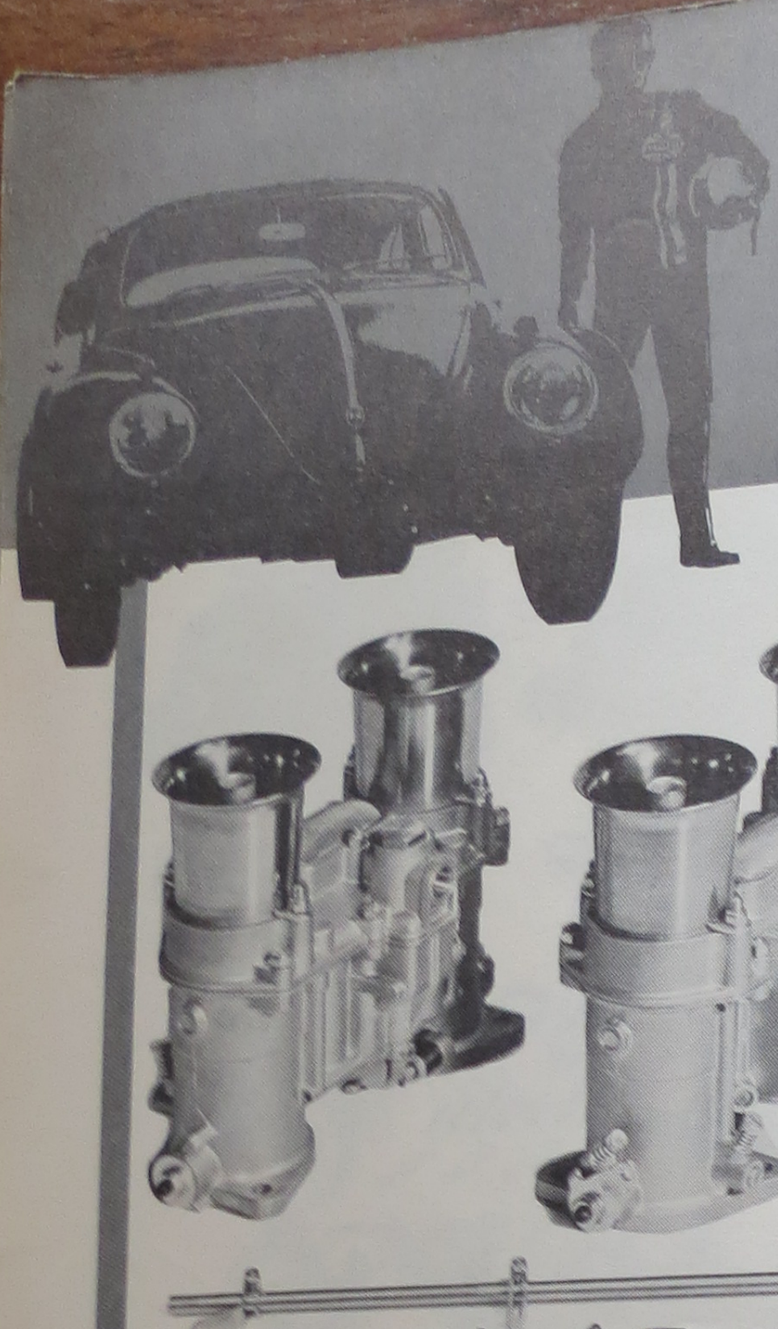
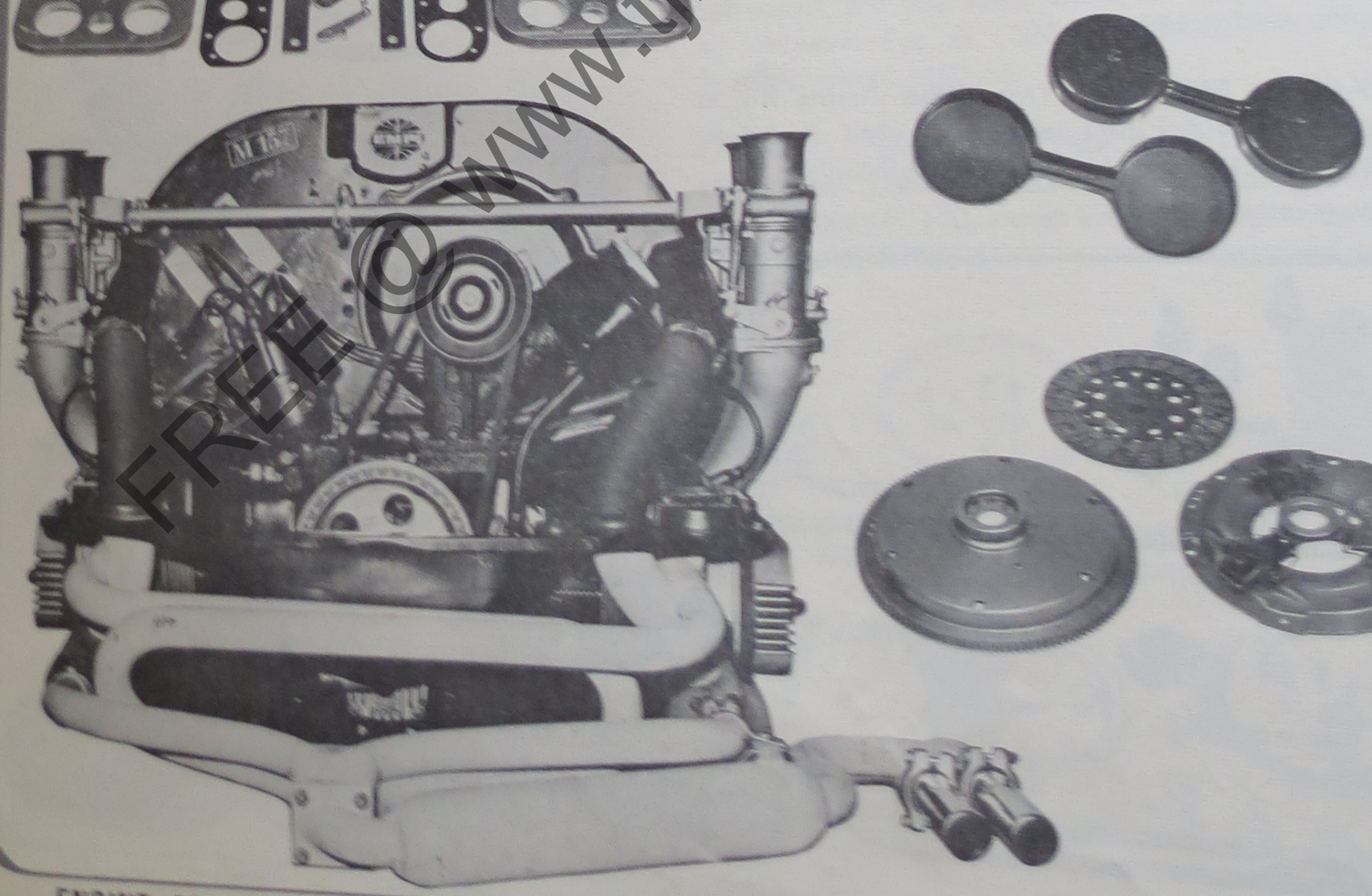
TOP ELIMINATOR



THE HOTTEST NUMBER

Performance proven by the Inch Pincher, the world's best known Volkswagen. In the all out competition of national championship drag racing, only the results count and that's what you get with EMPI Twin Weber 48mm Racing Kit. Our best results to date are 114 mph with 11.80 E.T. That's not bad in any kind of competition. This was run in 1950cc version of the Inch Pincher drag racing engine. This 48mm Weber kit is the ultimate for extracting power from the Volkswagen engine and is equally usable in any form of competition from drag to road racing and may be used successfully on the street. The Weber 48mm carbs come equipped with 37mm venturis and we suggest using EMPI racing camshaft, ECSV-840, for maximum results with this kit. The Weber carbs are considered the finest in racing carburetors. They are original equipment on Cobra and Ferrari and many other high performance automobiles.

This kit can be used with or without fan housing as the linkage kit is supported by the carburetors themselves.



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TWIN 48MM WEBER RACING KITS

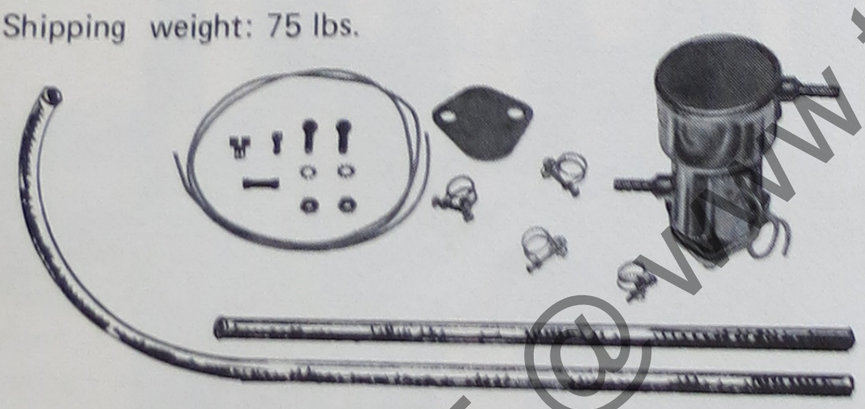


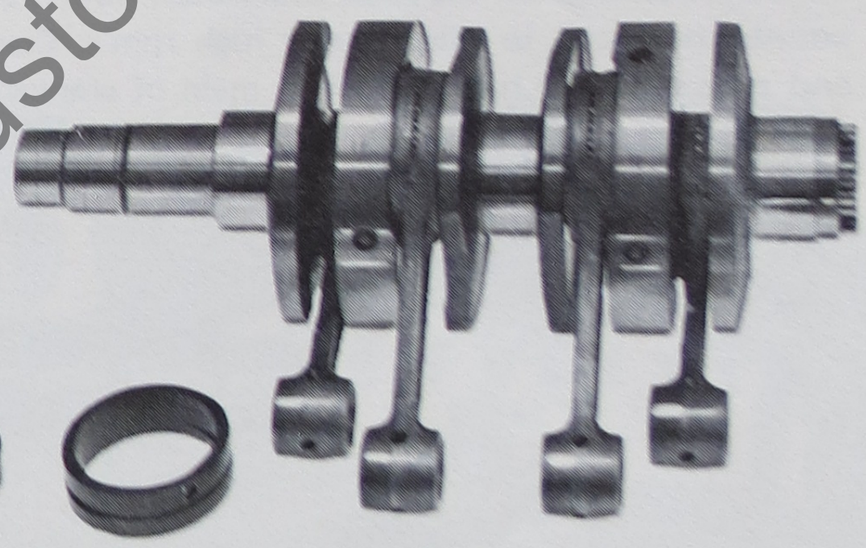
FOR YOUR MUSCLE BEETLE !

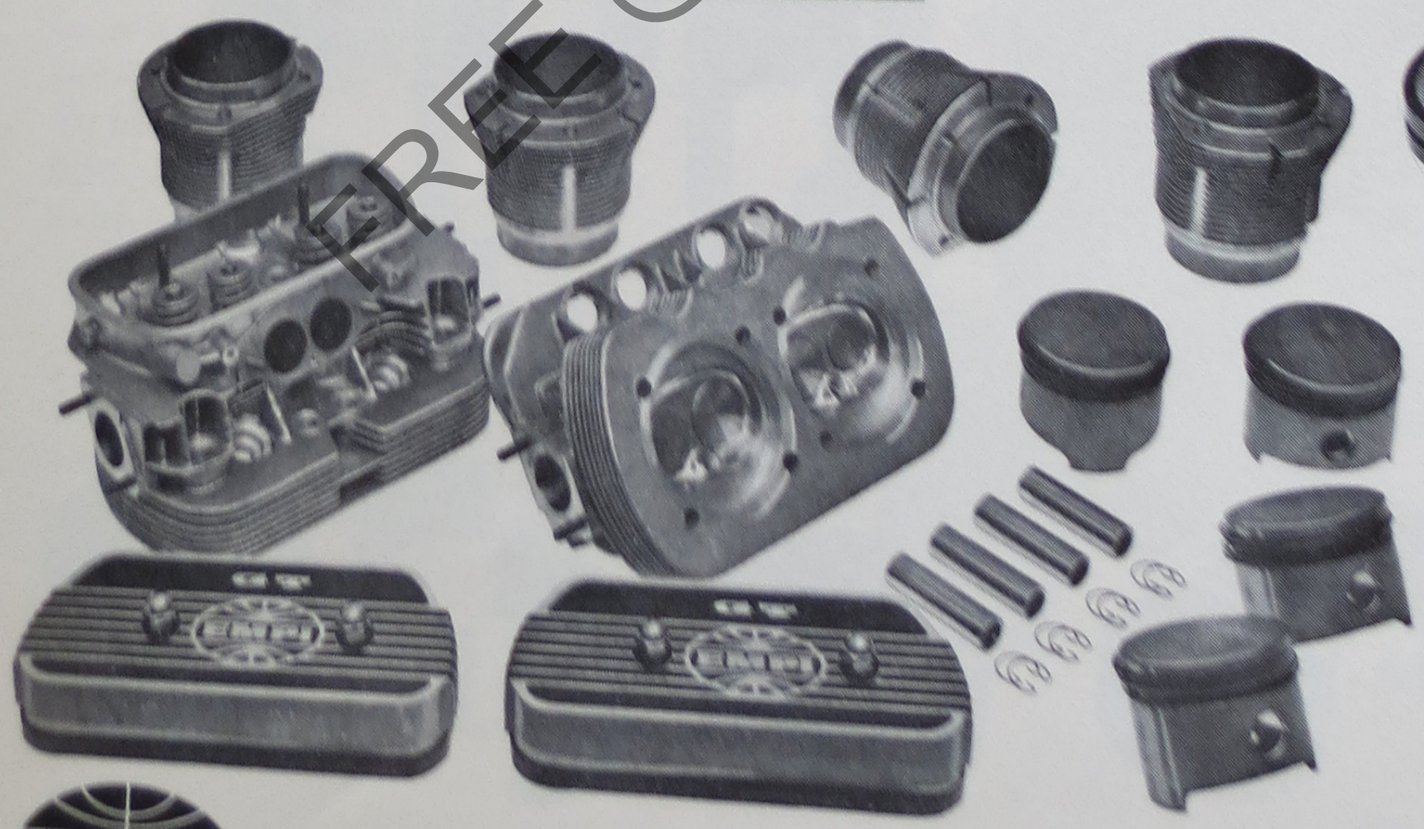
Our current version of the intake manifolds will fit any fan housing. This is the big power bargain of the year. This kit was designed by experts in Volkswagen power - the men who know Volkswagen best, EMPI engineers.

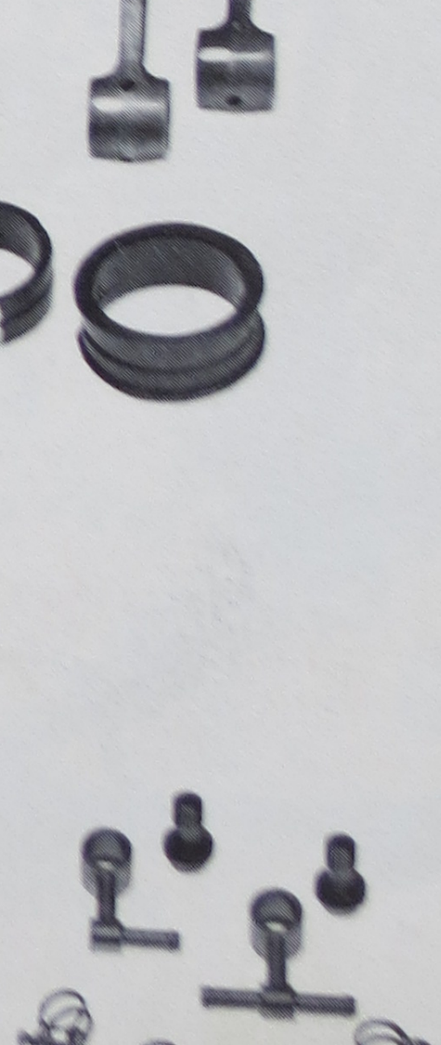
PTWK-300 EMPI 2000 Twin Weber Racing Kit, includes 88mm alloy Super Bore Kit w/slipper-type forged pistons for 82mm stroke, 82mm roller crank assembly w/rods & bearings complete, two EMPI-modified twin intake port heads, two Weber 48IDA carbs two manifolds, flywheel H.D. clutch kit, electric fuel pump, ram stacks, valve covers, fuel line, linkage set, gaskets & all hardware. Fits all 1300-1500-1600cc VW engine.
Shipping weight: 150 lbs.

PTWK-301 EMPI 1700 Twin Weber Racing Kit, as above except 17oocc displacement. Use w/std. crankshaft. Crankshaft, H.D. clutch kit, flywheel not included.
Shipping weight: 75 lbs.









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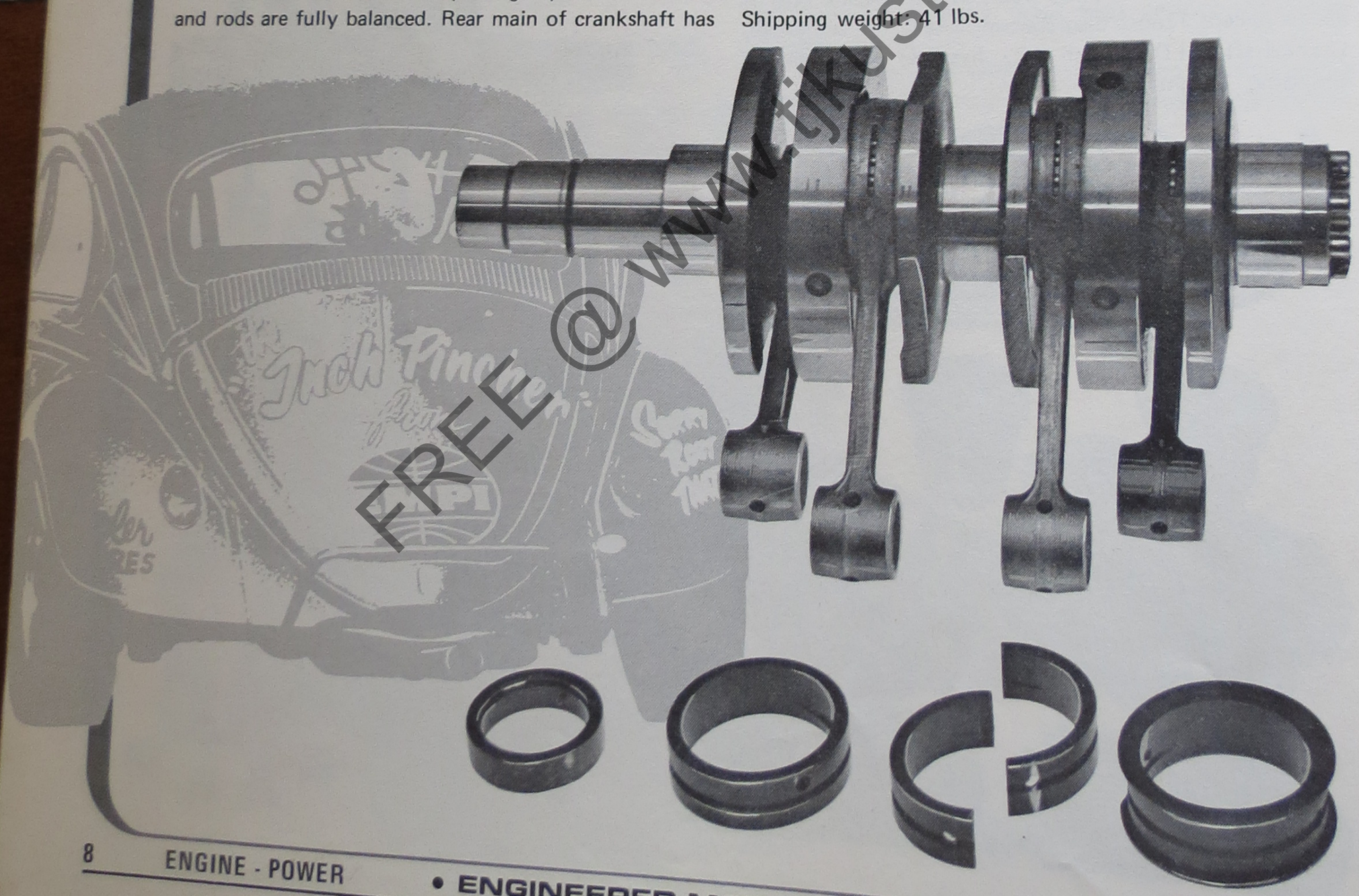
here's the way to add big muscles to your beetle — with the

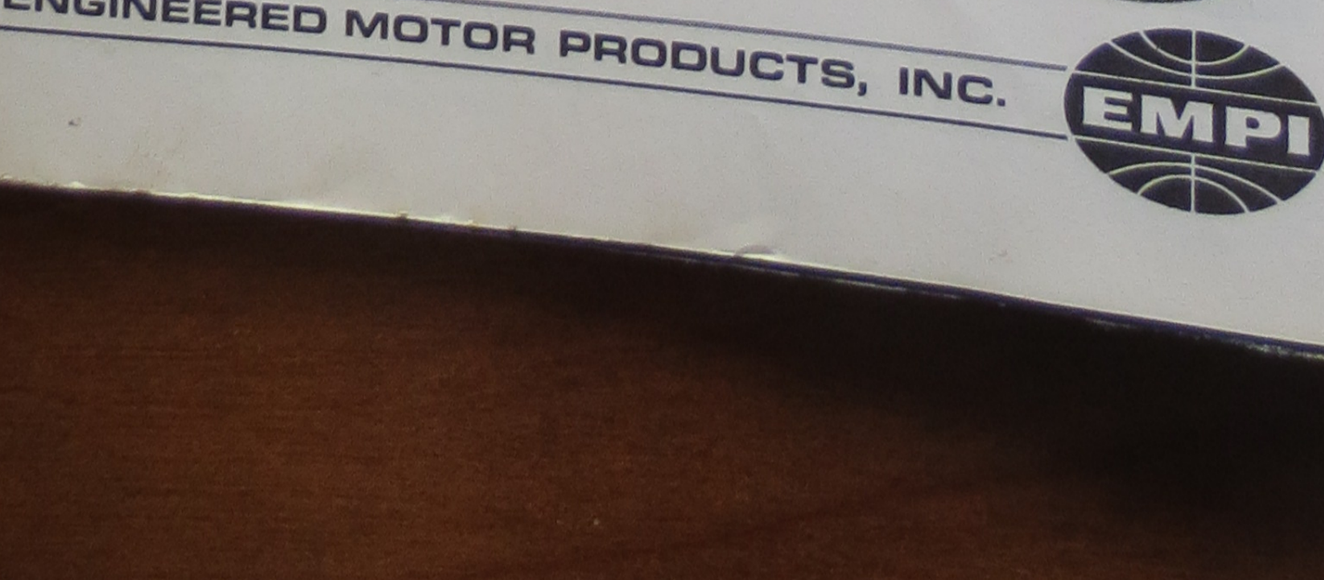
EMPI 82MM ROLLER BEARING STROKER CRANKSHAFT KIT

The 82mm stroker crankshaft is the real way to exploit the full power potential of late model VW engines. The perfect power mate to the 82mm roller crankshaft is EMPI's Super Bore Kit, PBBV-105, in 88mm diameter. This increased stroke crankshaft when combined with the EMPI 88mm Super Bore Kit adds a whopping big 2000cc in displacement (121 cu. inches). These are the pistons we recommend to use as it requires no spacers although it can be used with other pistons by adding the appropiate thickness of space between the barrel and the cylinder case. The PBBV-105 Super Bore Kit has the piston pin offset to compensate for the increased stroke and gives standard deck heights. The outstanding features of roller bearing cranks are that they are virtually friction-free due to roller bearings on the rods. Crankshaft throws are fully counter-balanced to allow super high rpm's. Crankshaft and rods are fully balanced. Rear main of crankshaft has 8 dowels and will accept EMPI 180mm or 200mm billet flywheels. Made in West Germany by one of Germany's largest manufacturers of precision racing equipment. Cylinder case modifications are necessary to install this unit. These can be performed with regular hand grinder. Unit comes complete, ready to install.

NOTE: A
Most rewelded, reground crankshafts are not counter-balanced and cannot withstand high rpm's without block warpage.
Includes four connecting rods with bearings and main bearings.

ECRV-412 EMPI 82mm Roller Crankshaft Kit, completely assembled with rods & main bearing. Use with PBBV-105 Super Bore Kit.
Shipping weight: 41 lbs.





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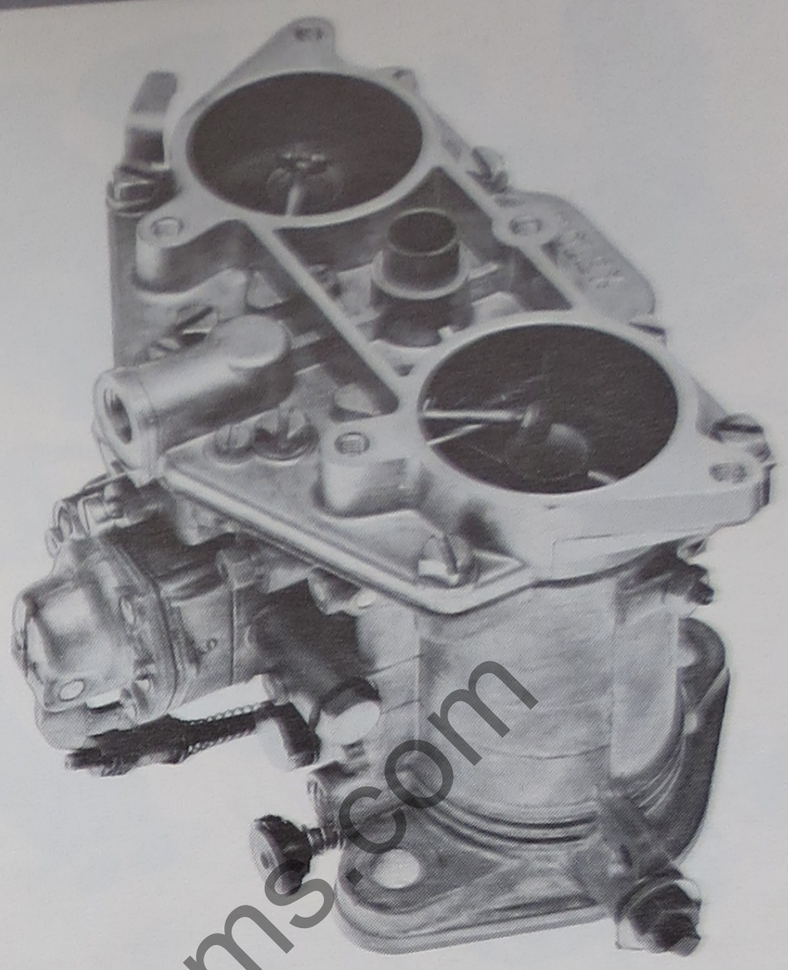
SOLEX KIT COMPONENTS

SOLEX CARBS

The Solex P40-11 carb is one of the best all around carbs to use on the modified VW engine. Solex P40-11's have been used by Porsche as standard equipment on the 356SC and 912 Series of Porsche cars. EMPI recommends the use in any installation from street to strip to track and off the road. The EMPI Solex P40-11 as supplied by EMPI has mm venturi and is correctly jetted. The EMPI twin port manifolds are necessary for thier adaptation to EMPI or VW twin port cylinder heads. linkage, ram stacks and air cleaners are available from EMPI to complete your installation.

DC-5 **Solex P40-11 Carbs,** pair (no ram stacks)
Shipping weight: 14 lbs.



RAMSTACKS

EMPI precision die cast ram stacks tune in the power just where you need it. The highly polished aluminum alloy finish gives your engine the racer's look, correctly designed to smooth the air flow to the carburetors. Mounts to carburetor or to EMPI throttle adapter casting plate. Easily removed and replaced with EMPI Twin Solex Air Cleaner. Don't go racing without EMPI ram stacks.

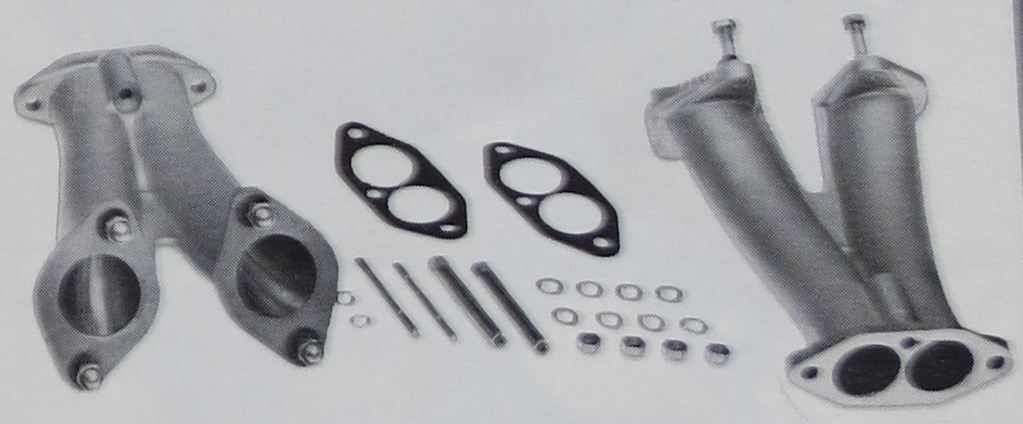
DC-9 **Ram Stacks** for Solex P40-11, pair
Shipping weight: ½ lbs.



MANIFOLDS

The EMPI twin Solex manifolds are precision aluminum alloy castings perfectly machined to mate to EMPI or VW twin port cylinder heads. Careful attention has been paid to achieve the proper flow pattern, reinforcing web strengthnes casting while keeping weight down to a minimum. EMPI manifolds feature an additional hold down stud on each cylinder head to eliminate casting cracking under extreme racing condition. Comes complete with gaskets and necessary hardware. Manifolds clear all VW fan housings.

DC-3 **Solex Manifolds** for P40-11, pair
Shipping weight: 7 lbs.



AIR CLEANER

Dusty air, sand, grit or grime can cause rapid engine wear. With EMPI twin Solex air cleaners you prevent this costly event. Their low silhouette style allows for clearance in any beetle sedan body. The EMPI Solex air cleaners are designed to mount to the EMPI throttle adapter casting or to the carb itself. Recleanable element is easily removed and ram stacks can be substituted for competition.

DC-8 **Solex Air Cleaners** for P40-11, pair
Shipping weight: 12 lbs.

SOLEX AIR CLEANER AVAILABLE SOON

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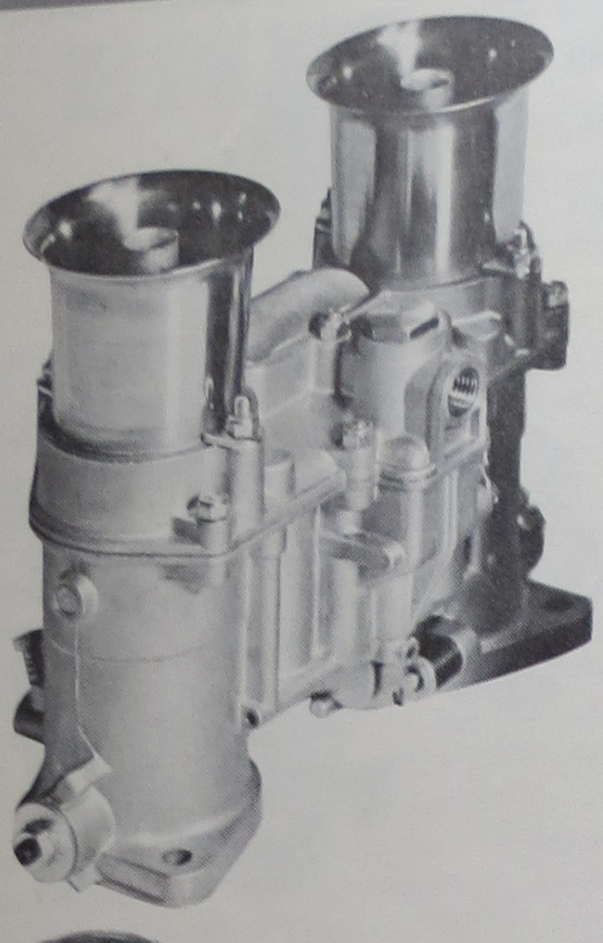
WEBER KIT COMPONENTS



WEBER CARBURETORS

The Weber carburetors are world-famous for their ability to produce maximum power on any racing engine. As supplied by EMPI, these carburetors are designed to be used with VW engines. They are correctly jetted and have the proper Venturis for VW engines. These are best used on large displacement engines and have to be used with EMPI manifolds and twin-port heads. Weber carburetors are used on such world-famous racing cars as Ferrari, Porsche, and are standard equipment on the Inch Pincher.

DW-5 **Weber 48IDA carbs w/ram stacks,** pair
Shipping weight: 12 lbs.

WR-15 **Weber 38DCNL Carbs w/ram stacks,** pair
Shipping weight: 11 lbs.

CARBURATOR COVERS

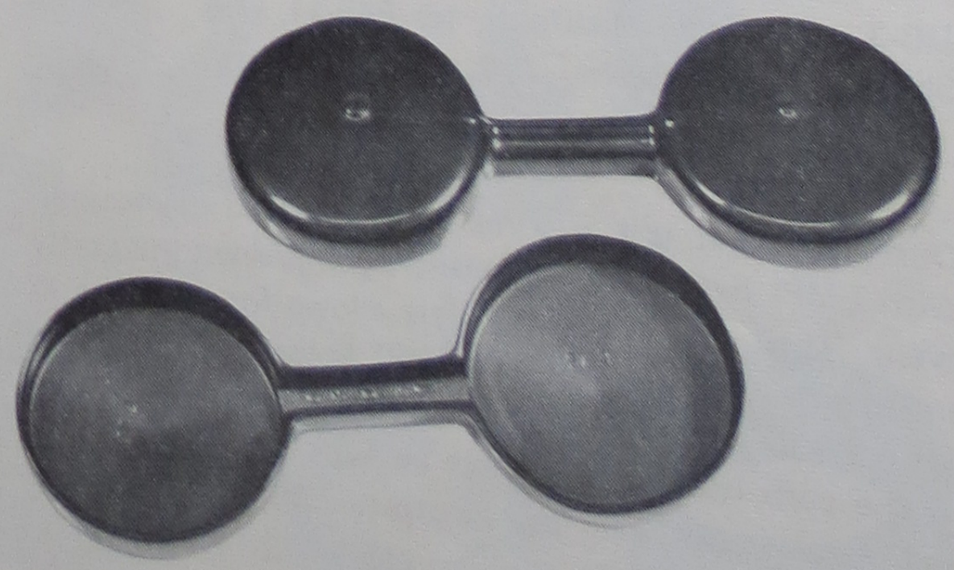
Here's just the ticket to keep bric-a-brac out of the internal workings of your VW engine. Snap-on plastic covers provide ideal protection when engine is in storage. An absolute must for the discriminating enthusiast.

DW-8 **Weber Carb Covers,** plastic for 48IDA, pair
Shipping weight: ½ lbs.

GASKET SET

Contains all gaskets for carburetor overhaul. Precision die-cut of the finest materials. Original Weber equipment.

ECGX-104 Gasket set for 48IDA Weber
Shipping weight: 2 oz.



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EMPI

FIRST IN SPEED EQUIPMENT FOR VW

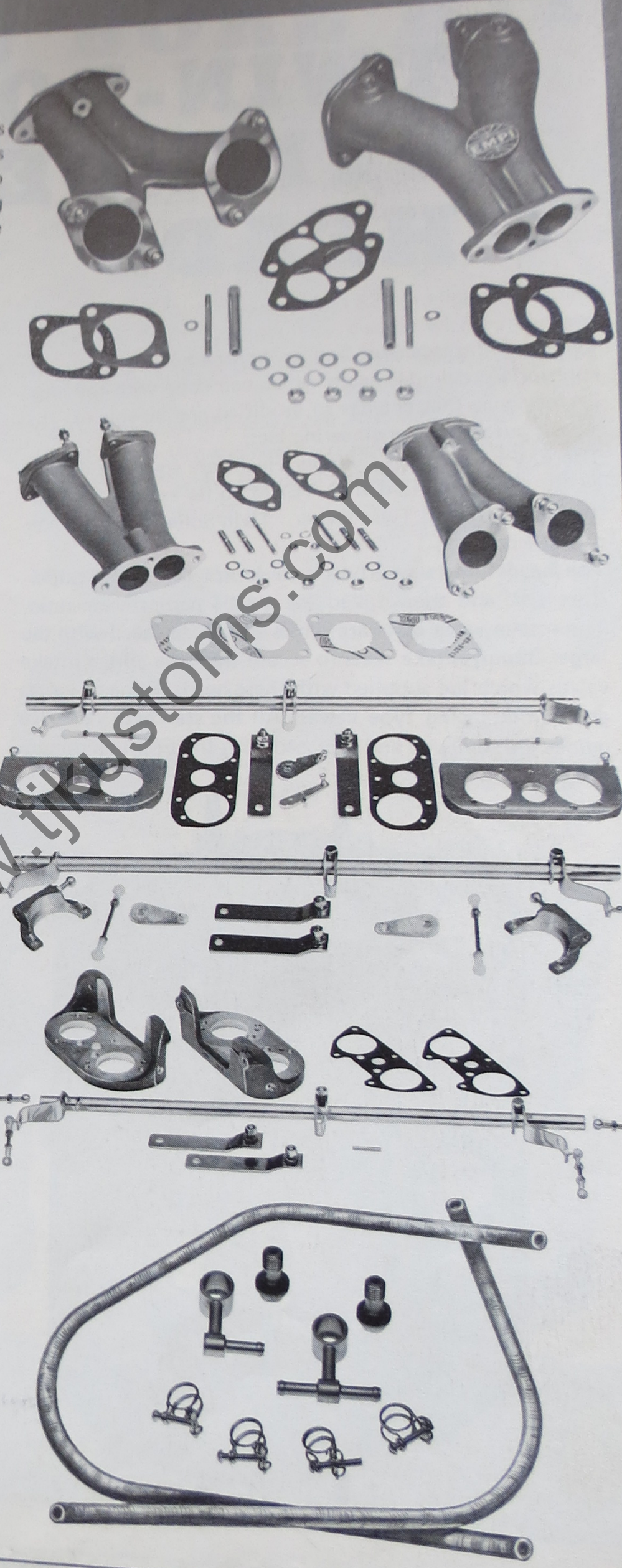
WEBER & SOLEX KIT COMPONENTS

MANIFOLDS

The EMPI twin Weber manifolds are an engine designer's dream. Years of testing and designing have resulted in this fine manifold for the adaptation of Weber carburetors to the VW engine. New wide-y style clears any fan housing and is usable in any Type I sedan through 1970. These manifolds have been used from Baja to Indy by the winners!

DW-3 **Weber Manifolds,** for 48IDA, Weber carbs, pair
Shipping weight: 7 lbs.

WR-14 **Weber Manifolds,** for 38DCNL Weber carbs, pair
Shipping weight: 7 lbs.



LINKAGE SET

Goodbye to Mickey Mouse linkages !!! EMPI has bullet-proof linkage. A great deal of thought and time and effort has gone into perfecting the EMPI linkage. Sturdy aluminum castings, mount to the carburetors ball-bearing pivot sockets support the cross shafts. Adjustable throttle arm allows easy synchronization. Can be used with or without fan housing. Comes complete with throttle cable adapter, nylon socket carburetor arms, carburetor arms for dual front opening, sturdy cross shaft will not flex. Fully adjustable for increased stroke. In a word-the best damn linkage in the market.

DW-7 **Weber Linkage Set** for 48IDA Weber
WR-17 **Weber Linkage Set** for 38DCNL Weber
DC-7 **Solex Linkage set** for P40-11
Shipping weight: 4 lbs., 4 lbs., 7 lbs.

FUEL LINE KIT

Here's a super-sanitary fuel line kit! Large bore banjo fittings attached to carburetors, neoprene fuel lines have large capacity. No more fuel starvation with an EMPI kit! Comes complete with banjos and bolts, fuel line, hose clamps, and instructions.

EFLV-114 Fuel Line Kit for Weber 48IDA Carbs
EFLV-115 Fuel Line Kit for Weber 38DCNL Carbs
EFLV-113 Fuel Line Kit for Solex P40-11 Carbs
Shipping weight: 2 lbs. each

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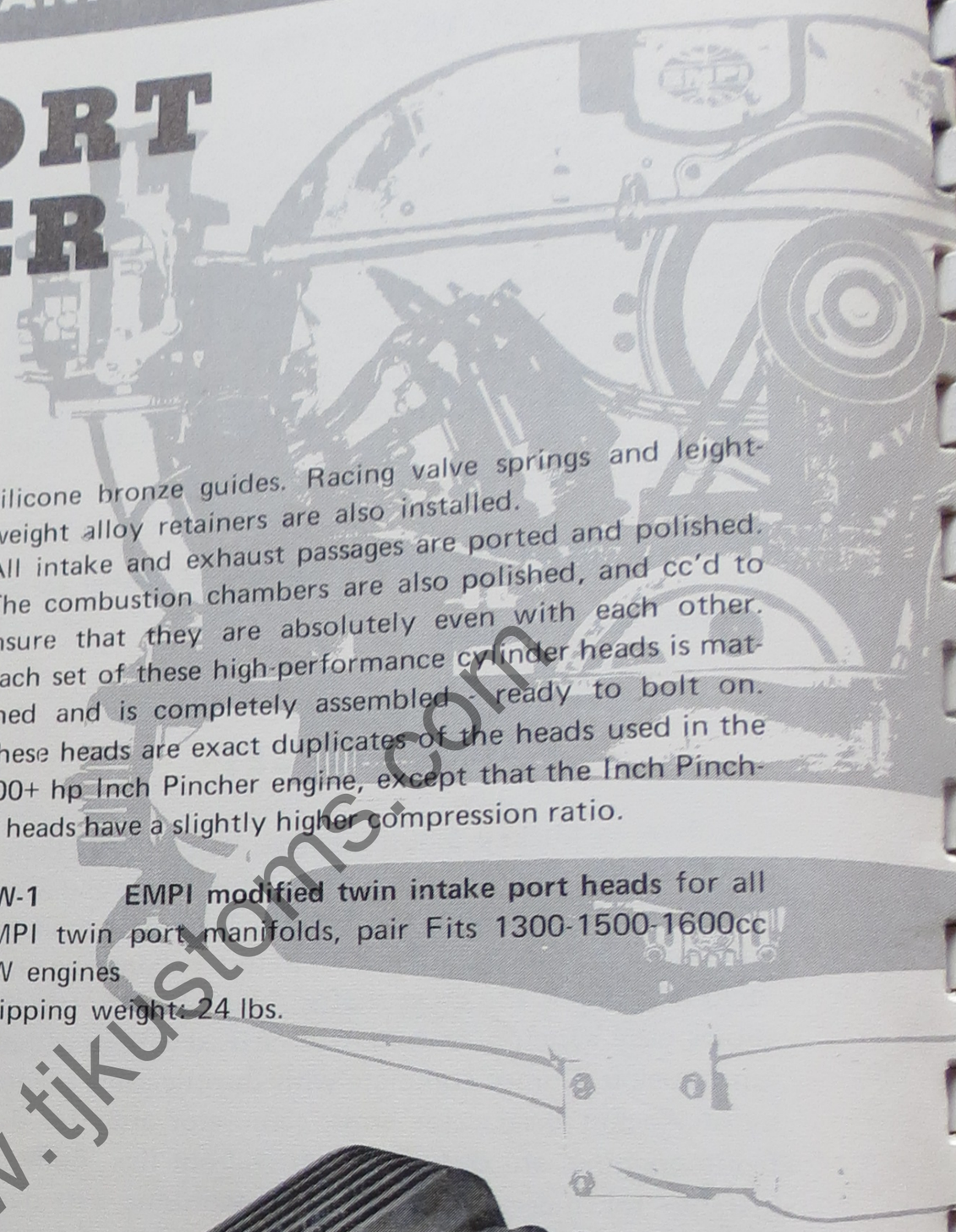
FOR TWIN-WEBER, TWIN-SOLEX AND STROKER CRANK KITS

TWIN-PORT CYLINDER HEADS



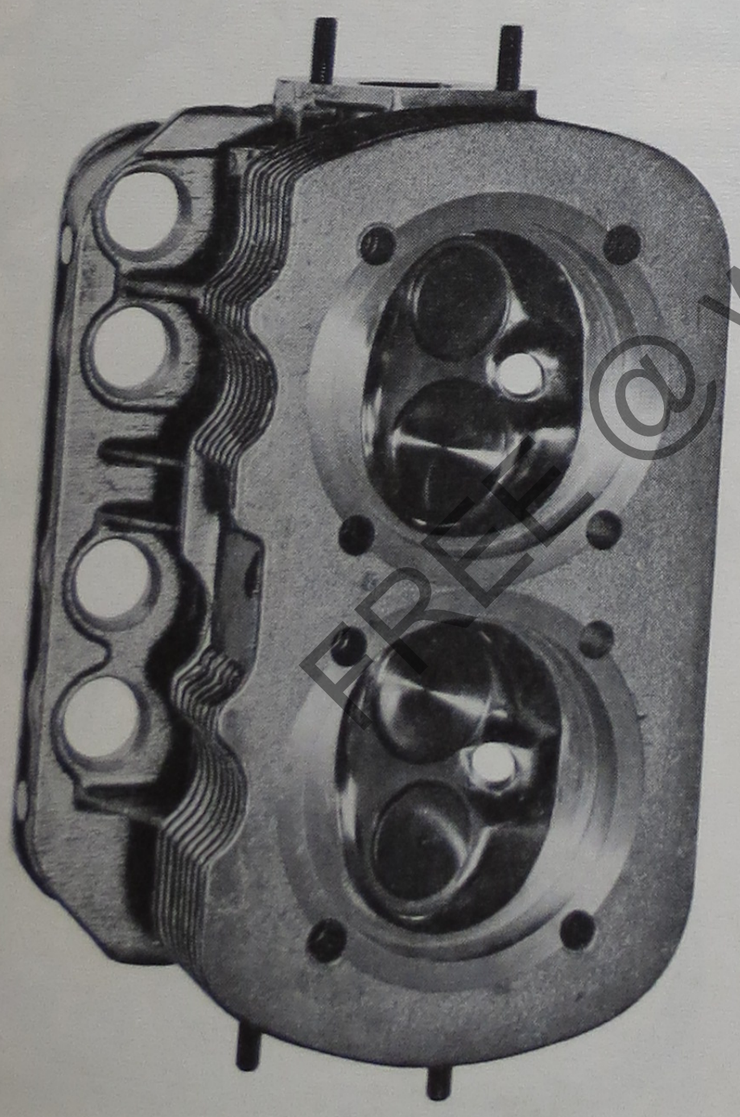
Increased displacement and/or dual carburation requires appropriate cylinder heads which can cope with the high performance that engines so modified are capable of - it's a basic automotive engineering fact.

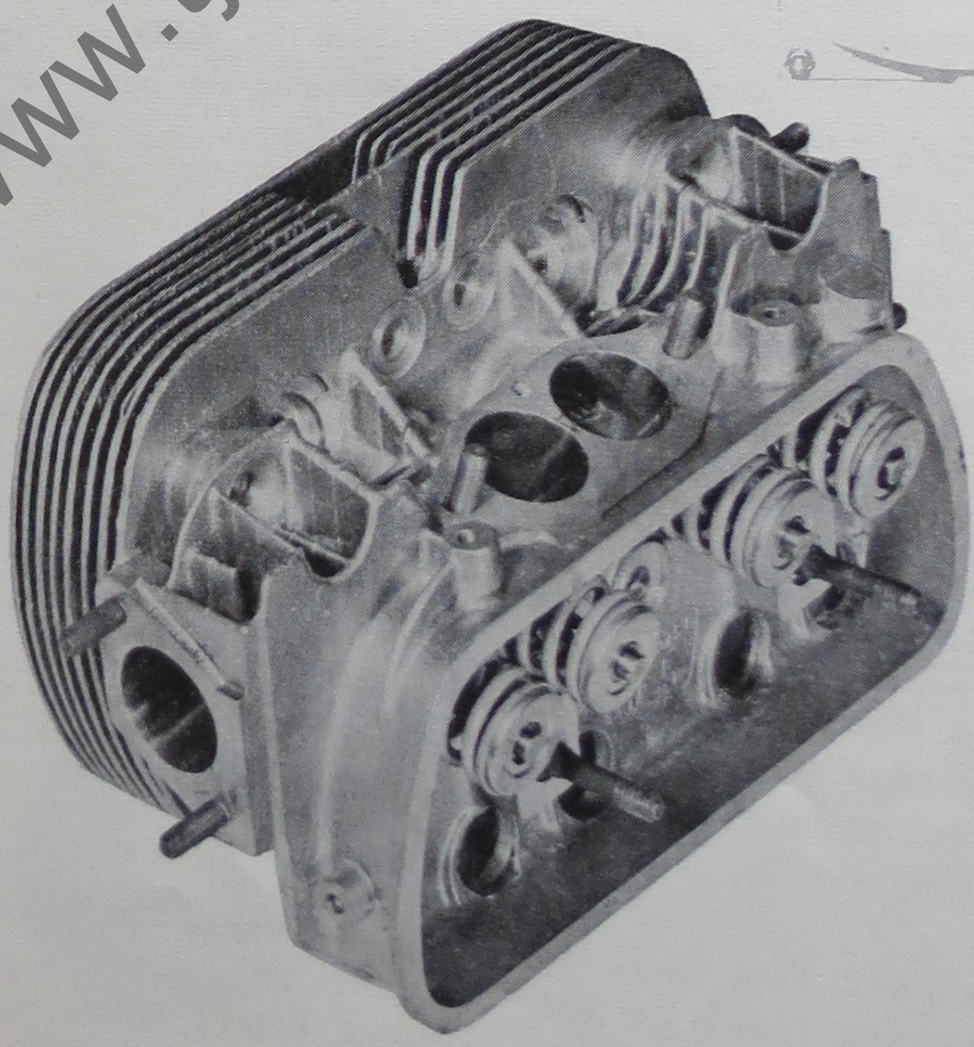
The EMPI Twin-Port Cylinder Heads are specially designed by the EMPI RACING TEAM to be exactly compatible with EMPI Twin-Weber, Twin-Solex, and stroker crank kits.

The heads are counterbored to accept the 88mm Super-Bore Kit, and then milled for a 10:1 compression ratio. The intake valve seats are removed and replaced with the larger 39mm intake seats to accept the large 39mm intake valves which are supplied with these heads. Exhaust valves are 32mm racing type valves. All the standard VW valve guides are removed and replaced with the EMPI aluminum silicone bronze guides. Racing valve springs and leight-weight alloy retainers are also installed.

All intake and exhaust passages are ported and polished. The combustion chambers are also polished, and cc'd to insure that they are absolutely even with each other. Each set of these high-performance cylinder heads is matched and is completely assembled - ready to bolt on. These heads are exact duplicates of the heads used in the 200+ hp Inch Pincher engine, except that the Inch Pincher heads have a slightly higher compression ratio.

DW-1 **EMPI modified twin intake port heads** for all EMPI twin port manifolds, pair Fits 1300-1500-1600cc VW engines
Shipping weight: 24 lbs.





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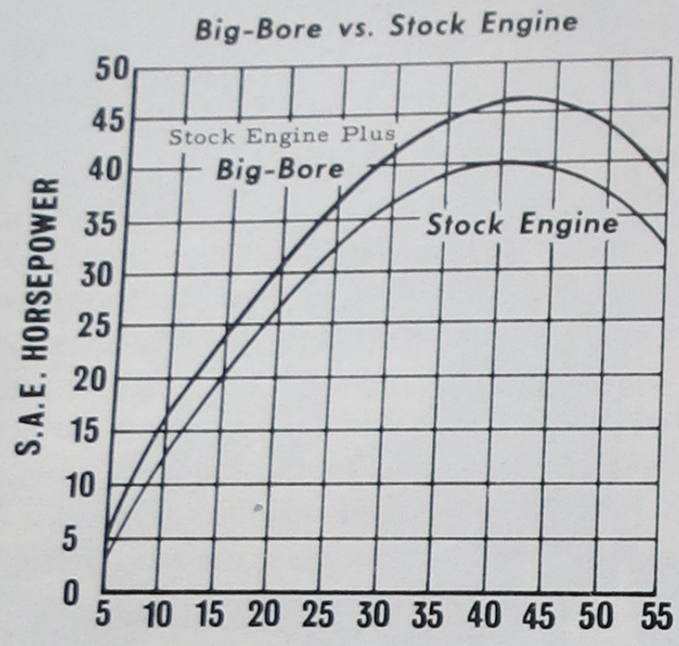
BOLT ON POWER — THE POWER BARGAIN

THE ORIGINAL 82mm BIG BORE KIT

Bolt on horsepower? Yes, that's all there is to it. Simply bolt on the 82mm Big Bore Kit and you have instant horsepower. Gain an additional 160cc of extra displacement and 15% more horsepower. The compression Ratio in increased to 7.7 to 1. This increased displacement equals increased torque. Any time is a good time to install the EMPI 82mm Big Bore Kit but what better time than to install it the next time you overhaul your engine. The EMPI 82mm Big Bore Kit sells for only slightly more than the VW replacement parts. NO MODIFICATIONS NECESSARY. Installs like stock parts. Why not invite EMPI to your next over haul job -- you'll be glad you did!

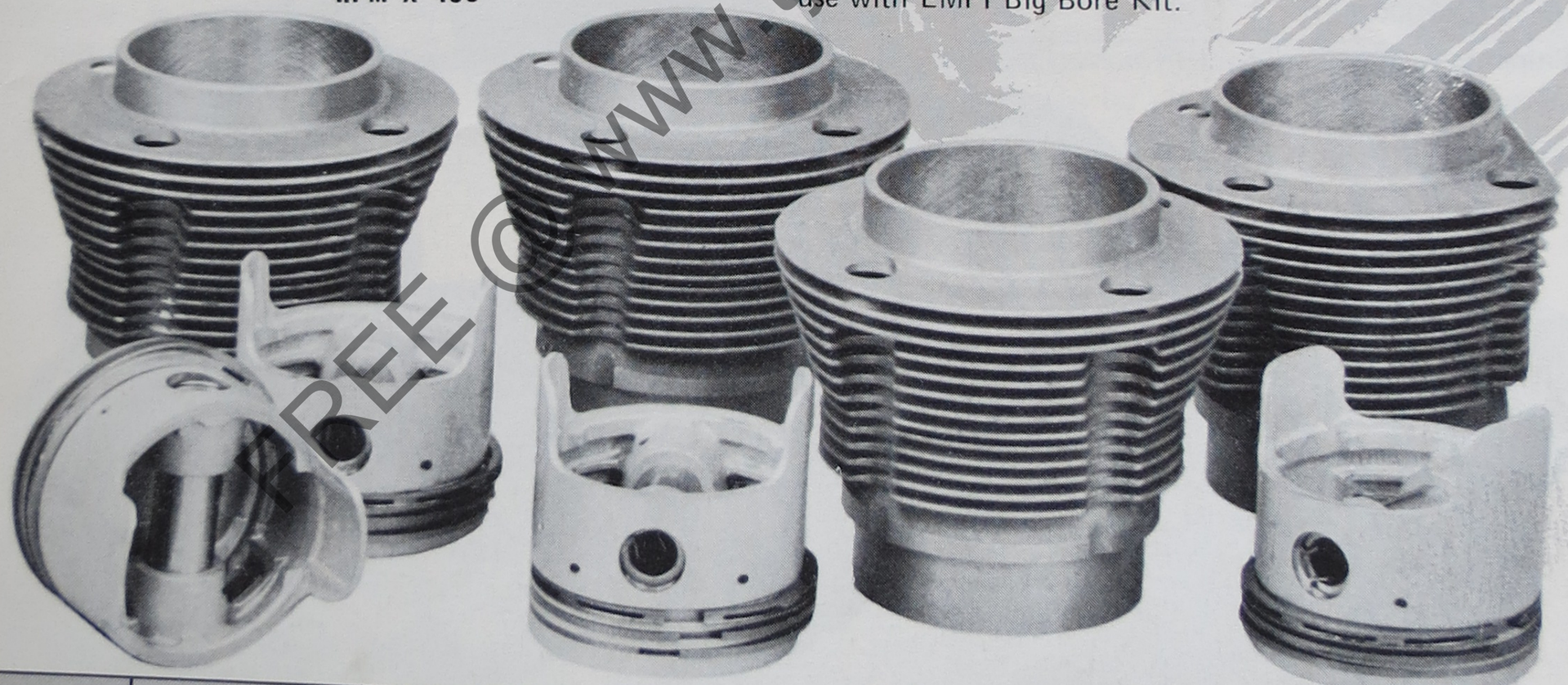


Kit includes four hand-matched 82mm High performance cylinders, four matched alloy pistons with hand-gapped rings, and four high-strength steel alloy wrist pins.

PBBV-100 **EMPI Big Bore Kit,** 82mm, for all 40hp (1200 series) VW engines, increases displacement to 1352 cc, for use with standard 40hp crank (set of 4). Shipping weight: 26 lbs.

EPIV-250 **Pistons (set of 4),** complete w/rings & pins, replacement for PBBV-100 Big Bore Kit, oversize 82.25mm for use only in 40hp 1200 Series VW engine w/std. 40 HP crank
Shipping weight: 6 lbs.

NOTE: See page 20 for piston ring specs. available for use with EMPI Big Bore Kit.



Fits		Stroke	Comp.	Bore	Displ.	Approx. HP
40 hp	Big Bore (PBBV-100)	64	7.7:1	82	1352	45
40 hp	Big Bore (PBBV-100) with Ram Manifold (PRMV-402)	64	7.7:1	82	1352	48

FREE @ www.tikustoms.com

GET THE INCH PINCHER SECRET . . .

SUPER POWER WITH

88MM SUPER BORE KIT

Your VW 1300, 1500 or 1600cc engine can now have Inch Pincher super power! Build up a 88mm Super Bore Kit installation with a minimum of head and case modification and increases displacement to nearly 1700cc.

Check these features against any big bore kit on the market today: Drop forged alloy racing pistons, engine runs cooler than stock VW; Aluminum alloy cylinders, Biral type like original equipment on Porsche 911S; Heavy duty piston pins supplied - comes complete with hand fitted piston rings; Packed in matched sets to insure perfect balance, installation instructions supplied.

P88V-101 **EMPI Super Bore Kit**, 88mm, alloy forged piston for all 1300-1500-1600cc VW engines increases displacement to 1700. Use with 69mm VW crank (set of 4). Shipping weight: 21 lbs.

P88V-105 **EMPI Super Bore Kit**, 88mm alloy slipper-type forged pistons, for all 1300-1500-1600cc VW engine, for use w/82mm stroker crankshaft, increases displacement to 2000cc. Shipping weight: 21 lbs.



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FIRST IN SPEED EQUIPMENT FOR VW

WHO BUT EMPI COULD IMPROVE THE PORSCHE . . .

SUPER BORE RACING KIT

FOR PORSCHE 911, 911S, 911T, 911E & 914/6

Yes, EMPI engineers have improved the Porsche. We have engineered a Super Bore Kit for the 911 and 911S Porsche. This expertly engineered Super Bore Kit gives your Porsche a full 25% increase in displacement with increased horsepower and torque.

This kit is a natural for any Porsche needing an overhaul or for anyone who wants extra power with reliability. Here are the qualities that make EMPI's Super Bore Kit for Porsche outstanding: Aluminum alloy cylinder Biral type same as original equipment on Porsche 911S, fin area has been increased for improved cooling; Pistons are of a new design that give high strength to weight ratio, durability and the ability to stand high rpm for extended periods of time. Each set of pistons and cylinders is perfectly balanced and comes complete with super strength piston pins and piston rings are pregapped by hand.

The Porsche cylinder heads and case halves require modifications to accept the EMPI Super Bore Kit. These modifications can be performed by any well equipped auto machine shop. Full instructions on how to perform these modifications supplied with each set of pistons.

PBBP-102 **EMPI Super Bore Racing Kit for Porsche,** alloy, 88mm, for all Porsche 911, for use w/std. 911 crank, increases displacement to 2500cc (set of 6) Shipping weight: 31 lbs.

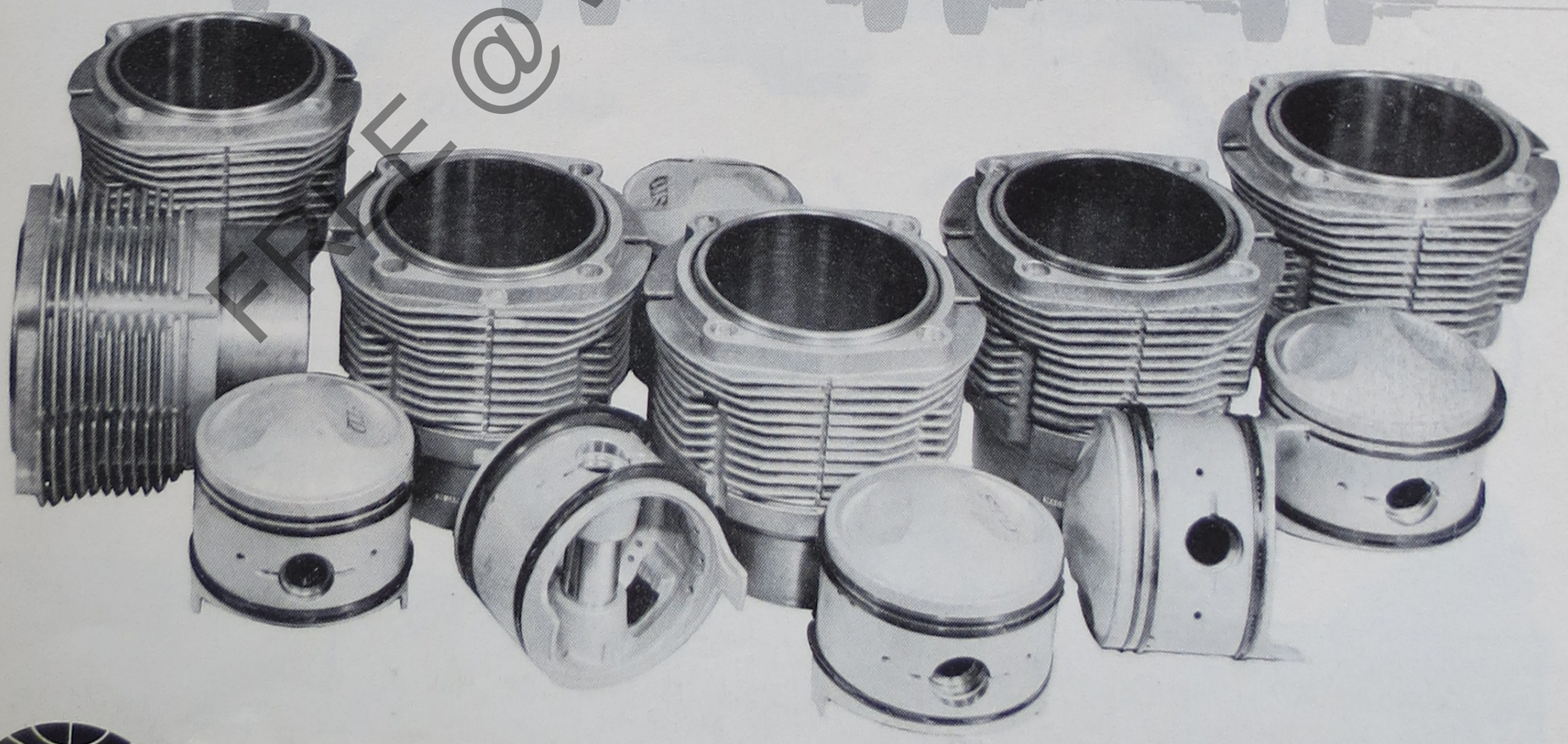
PBBP-102M **EMPI Super Bore Racing Kit for Porsche, alloy,** 88mm, for all Porsche 911S, for use w/std. 911S crank, increases displacement to 2500cc (set of 6) Shipping weight: 31 lbs.

ERIP-290 **Ring Set,** 88mm for PBBP-102 & PBBP-102M Super Bore for Porsche 911-911S Shipping weight: 1 lb. 8 oz.

	Porsche 911	Porsche 911S	Porsche 911+ Super Bore Kit	Porsche 911S+ Super Bore Kit
Displacemt.	1993cc	1993cc	2500cc	2500cc
H.P.	160sae	180sae	205*sae	235*sae
Carb.	STD	STD	STD*	STD*
Comp. Ratio	9.1	9.1	10.1	10.5

*Test conducted with standard Porsche 3.2 camshafts

*With increased jets sizes for additional displacement of 88mm Super Bore Kit



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MORE ACCELERATION THROUGH THE WHOLE SPEED RANGE WITH

RAM INDUCTION POWER KITS

Bolt on installation

Higher torque

Smoother operation at all speeds

For all VW engines except 311 models

The miniature cross section of the stock manifold limits performance critically by progressively choking off the breathing as rpm's increase. By loosening up this congestion in the intake system, the EMPI Ram-Induction Kit produces higher torque and smoother operation from idle speed to full throttle. In the range of maximum power, output is raised by about 15 percent.

The ram-designed manifold is made from smooth-bore tubing with larger cross-section and gentle curves to provide low-resistance paths between the heads and carburetor. Each intake port is supplied through a separate branch fed by one-half of a dual-throat carburetor. Improved flange design of the manifold insures leak-proof connections at both ends. For faster warm-up, a manifold heater pipe is used as on the stock setup.

The Zenith 32-NDIX carburetor included in this kit has proved its merit on the Porsche. With 2½ times the venturi area of the stock carb, it delivers a greater performance over the entire rpm range, The dual-throat construction offers the basic advantages of dual carburetion without posing the problem of synchronization. For correct timing over the larger speed range obtainable, a Bosch all-centrifugal advance distributor is included.

PRMT-401 Ram Induction Manifold Kit, all 1300-1500-1600 engines (Type I & II)
Shipping weight: 18 lbs.

PRMT-404 Ram Induction Manifold Kit, all '68-'70 Type I w/automatic stickshift
Shipping weight: 18 lbs.

PRMV-402 Ram Induction Manifold Kit, 40 hp engine
Shipping weight: 18 lbs.

SEPARATE PARTS FOR RAM MANIFOLD KITS:

RM-2	Manifold for PRMT-401
RM-6	Manifold for PRMV-402
RM-8	Manifold for PRMT-404
RM-3	Bosch Centrifugal Advance Distributor
RM-4	Zenith 32NDIX Carb,
RM-5	Chrome Air Filter for Zenith 32NDIX Carb
ERKZ-103	Carb kit Zenith 32NDIX rebuild
ECGX-102	Carb Gasket Set, 32NDIX Zenith Carb



Fits		Stroke	Comp.	Bore	Displ.	HP
All 1300-1500-1600 engines (Type I & II)	Ram Manifold Kit (PRMT-401)	69	7.2:1	83	1493	56
All '68-'70 Type I automatic 40hp	Ram Manifold Kit (PRMT-404)	69	7.2:1	83	1493	56
	Ram Manifold Kit (PRMT-402)	64	7.0:1	77	1192	44

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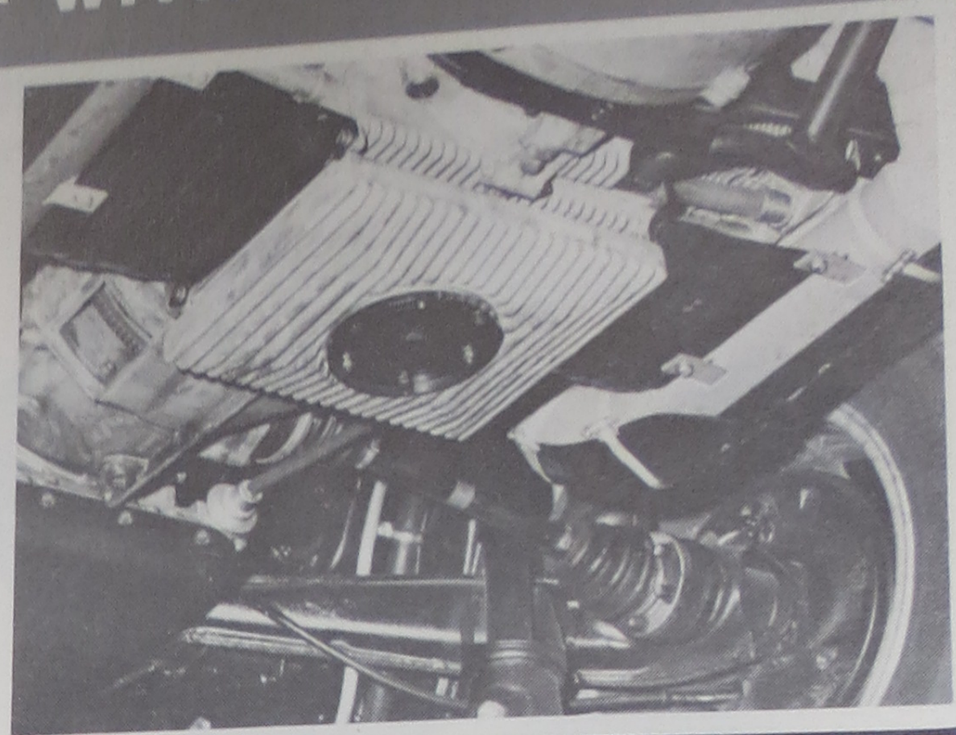
KEEP YOUR COOL — WITH EMPI PARTS

OIL SUMP/OIL COOLER



Advanced and unique design features of the new EMPI OIL SUMP - OIL COOLER prevent engine starving for oil during hard cornering — there is always a constant oil supply to engine.

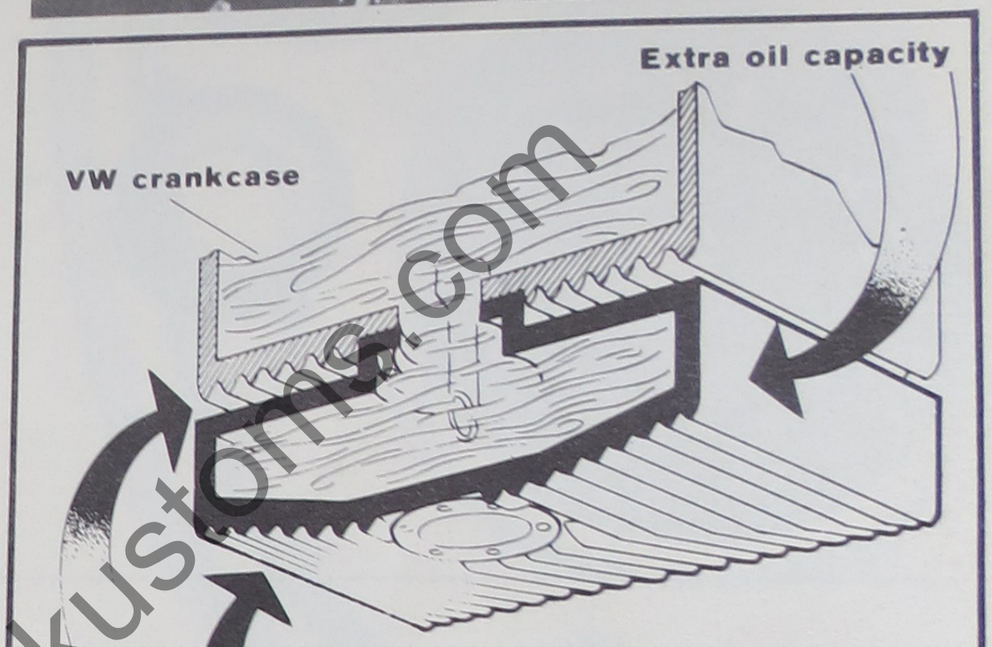
Precision made of extremely light weight alloys, finned for extra-rapid cooling over a large area, the EMPI OIL SUMP - OIL COOLER will increase the oil capacity of VW engine by 1¼ to 1½ qts.

A must for any VW used in competition — also for any VW used for heavy-duty hauling, pulling trailers, etc. Extremely important for VW's operating in warm climates.

The EMPI OIL SUMP - OIL COOLER comes complete with all mounting hardware — easy and quick to install. Installation instructions included.

EOCX-470 EMPI Oil Sump-Oil Cooler, all 1200-1300-1500-1600 VW & Ghia, '61-'70

Shipping weight: 6 lbs.



OIL COOLER KIT

A modified VW engine, or a VW used for any heavy-duty application, or in hot climates, should be equipped with an auxillary oil cooler for added reliability and increased engine life. Such a unit is an absolute "must" for any VW used in competition. The EMPI Oil Cooler Kit is far superior to any by-pass device now on the market, as such by-pass devices reduce oil pressure and oil flow to the engine bearings. The EMPI Oil Cooler Radiator is a secondary surface light alloy exchanger, a type which has been used for many years in competition cars. It is mounted directly in front of the air intake fan of the VW engine.

EOCX-473 Oil Cooler Kit for VW, mounts to engine shroud, includes oil radiator, oil pump adapter, high pressure hoses, brackets. All VW engines except Type III

Shipping weight: 15 lbs.

OIL COOLER KIT AVAILABLE SOON

HEAVY-DUTY OIL PUMP

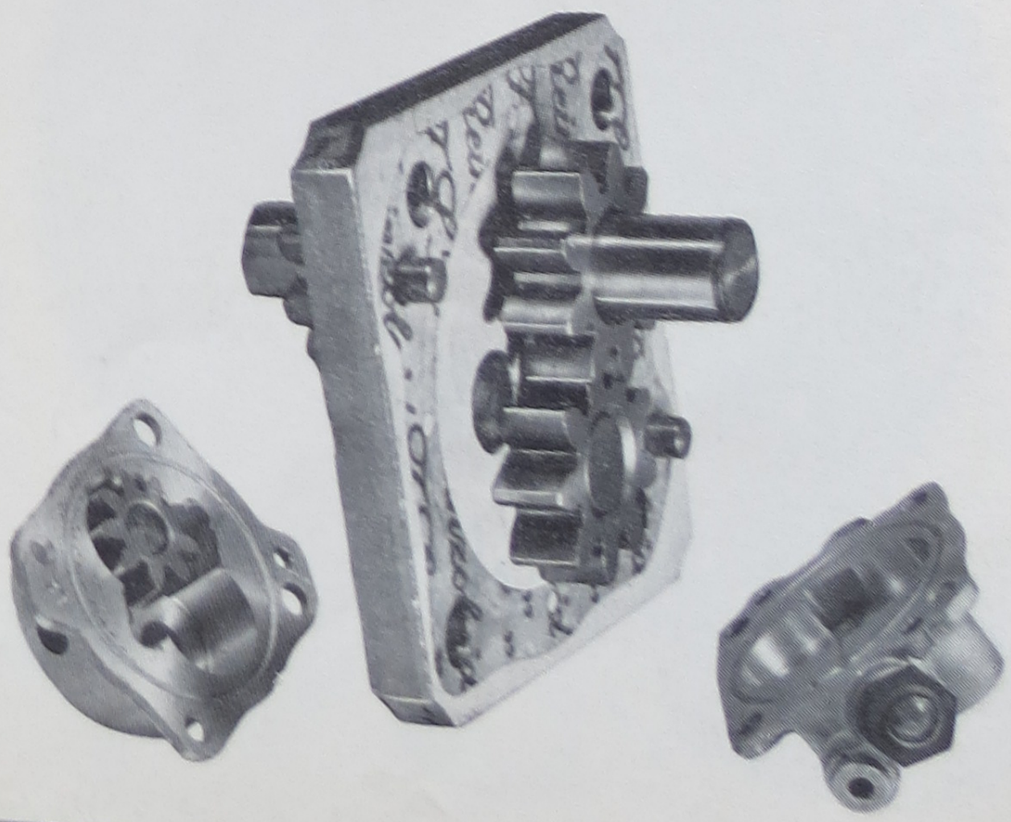
Required for all heavy duty use . . . for all engine modifications, such as twin carbs, special camshafts, Big-Bore cylinders, stroker crank, supercharger, etc.

In demand by all VW owners who want longer engine life . . . trouble free . . . with better load capacity. Good for hot-climate operation. Recommended for use on modified Volkswagens in Volkswagen Handbook by automotive writer and editor OCee Ritch.

Comes complete with relief valve shim to raise bypass pressure.

EOPX-220 Inch Pincher Style Heavy Duty Oil Pump, dual gear design. All VW engines except automatic transmission

Shipping weight: 3 lbs.



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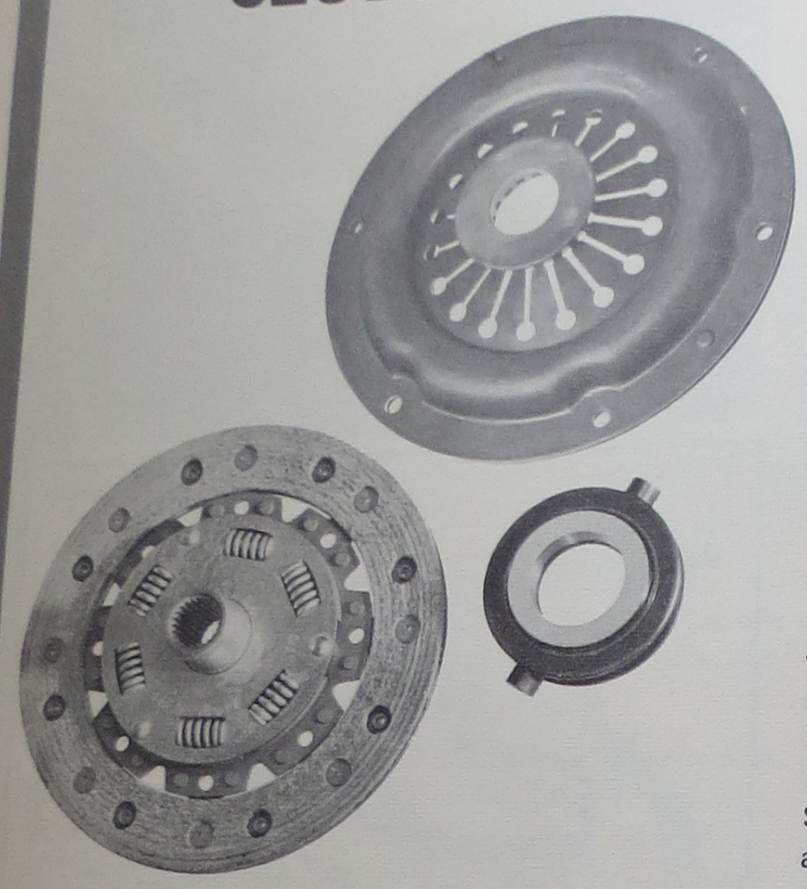
COMPETITION CLUTCH KIT



FOR ALL VW MODELS

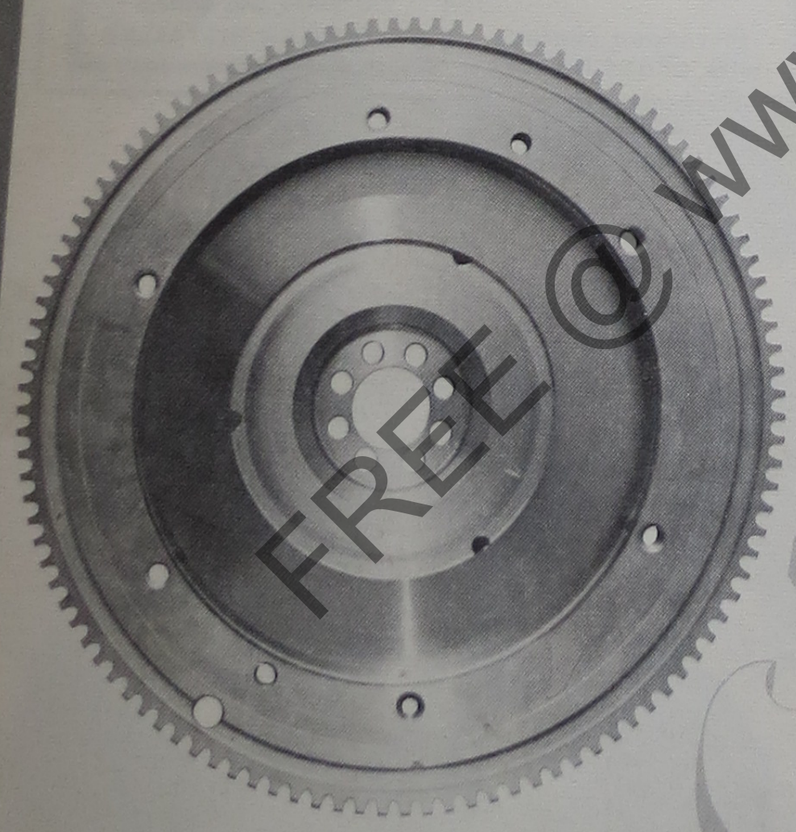
Eliminate clutch problems with this heavy-duty competition clutch kit. Tested and proven in the famous EMPI I/Gas racing sedan with engines developing 205 and more hp. Also used with Porsche Carrera racing engines. The EMPI Heavy-Duty Clutch Kit will outlast any other make on the market today. Precision engineered — top quality material.

EMPI Heavy-Duty Competition Clutch Kit comes complete with diaphram clutch plate, clutch disc and rollertype throwout bearing.

ECPV-426 EMPI Heavy Duty Competition Clutch Kit, (diaphragm clutch plate, clutch disc. & rollertype throwout bearing) for all 1500-1600 engines (Type I, II, & III); 200mm
Shipping weight: 12 lbs.

ECPV-425 EMPI Heavy Duty Competition Clutch Kit, (diaphragm clutch plate, clutch disc & rollertype throwout bearing), for all 36 hp, 40 hp & 1300cc engines, 180mm
Shipping weight: 12 lbs.

Separate parts for EMPI Heavy - Duty Clutch Kits are available — check price list in back of catalog.



INCH PINCHER TYPE

FLYWHEELS

The EMPI light-weight racing flywheels are brand new, not remachined used flywheels! Each flywheel is lightened to 10-½ lbs. Each flywheel is drilled for four extra dowels. Each flywheel comes completely balances, ready to bolt on. Available for 200mm clutches and two styles for 180mm clutches.

IPFW-380 Inch Pincher Type Flywheel, 200mm lightened to 10.5 lbs. drilled for 4 extra dowel holes. Billet flywheel, late style, outright
Shipping weight: 13 lbs.

IPFW-381 Inch Pincher Type Flywheel, 180mm, lightened to 13 lbs. drilled for 4 extra dowel holes Billet fly - wheel, "O" ring style, outright
Shipping weight: 13 lbs.

IPFW-382 Inch Pincher Type Flywheel, 180mm, lightened to 13 lbs. drilled for 4 extra dowel holes. Billet flywheel, gasket style, outright
Shipping weight: 13 lbs.

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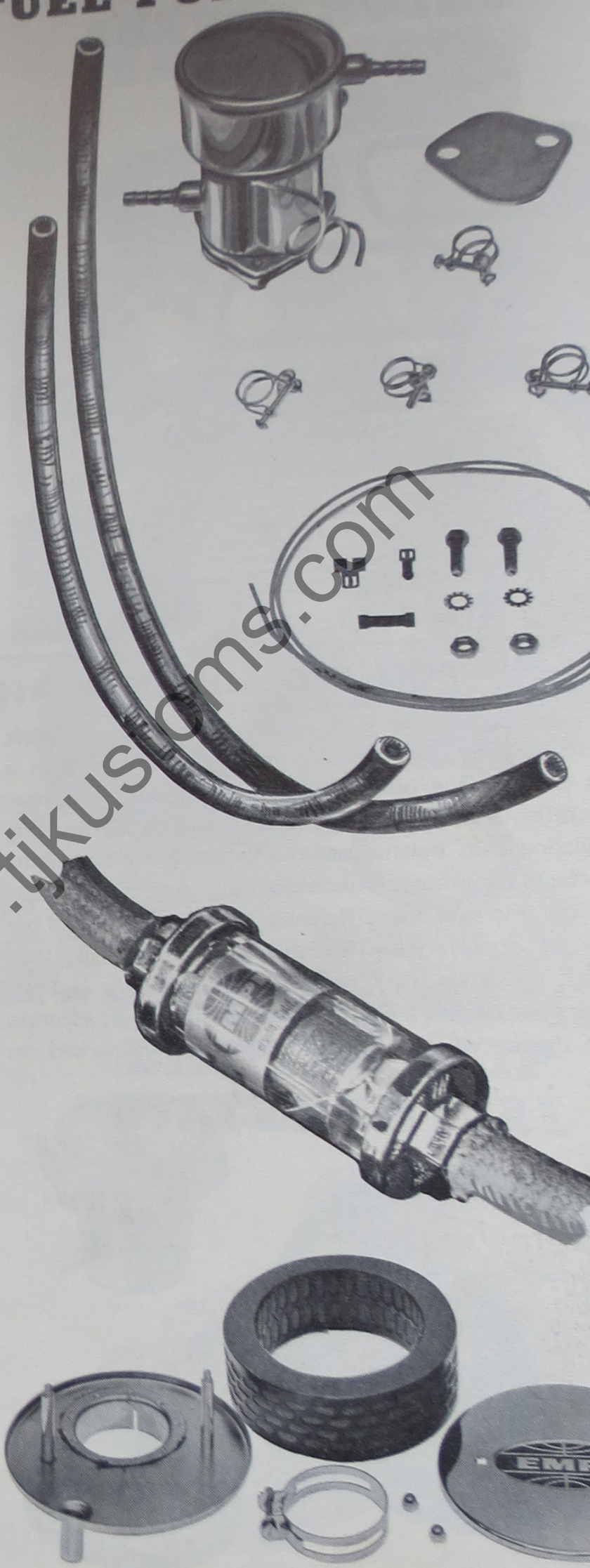
FUEL PUMP

SOLID - STATE ELECTRONIC

The outstanding Characteristic of the EMPI Electronic Fuel Pump is its instantaneous response to demand for fuel at any engine speed or temperature.
This response is made possible by the "nerve system" of the pump: the solid state circuitry which senses any change in fuel pressure, and reacts - in microseconds - to correct it.
As fast as an electrical current can move, the solenoid cell - taking its orders from the electronic circuit - actuates the reciprocating plunger to keep fuel flowing at virtually constant pressure.
Following engine deceleration, the EMPI Electronic Fuel Pump responds to a demand for re-acceleration on signal of a fuel-pressure differential of only 2-3 ounces. Compare this with the 3-4 pounds of "build-down" required before non-electronic pumps can respond. The EMPI Electronic Fuel Pump always delivers the fuel when you need it most.

EFPV-112 EMPI Electronic Fuel Pump, 12-volt negative ground, will fit all motor vehicles with 12 volt electric system.
Shipping weight: 4 lbs.



FUEL FILTER

Heart of the EMPI In-Line Fuel Filter is a filtering element of sintered bronze, with a molecular structure which allows it to pass pure gasoline but hold back solid matter and water particles. Sealed unit construction makes the device virtually indestructible.

EFFX-141 Fuel Filter, for all types and models VW & Ghia incl. Truck-Transporter
Shipping weight: 3½ oz.

SPORT AIR CLEANER

Ideal replacement for the cumbersome VW stock air cleaner. Minimum restrictions, has washable element, and provisions for smog device. Fits any stock VW carburetors. Not recommended for off-road racing, but perfect for normal operating conditions. Highly chrome-plated covers add a certain air of elegance to your engine compartment.

PACV-121 EMPI Sport Air Cleaner, chrome plated, lifetime, washable filter element made of flexible ester-type polyurethane. Fits all VW stock carbs.
Shipping weight: 2 oz.

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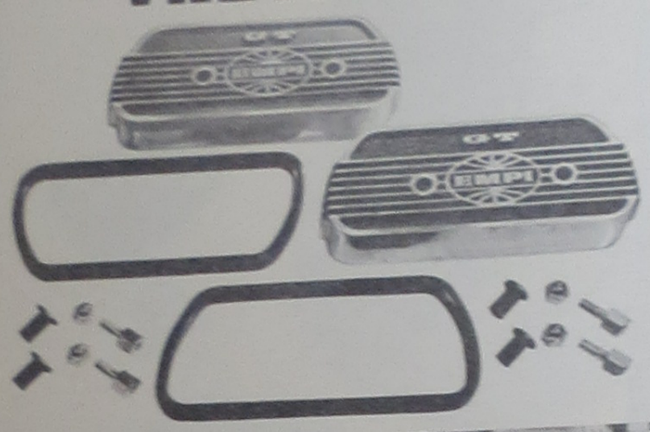
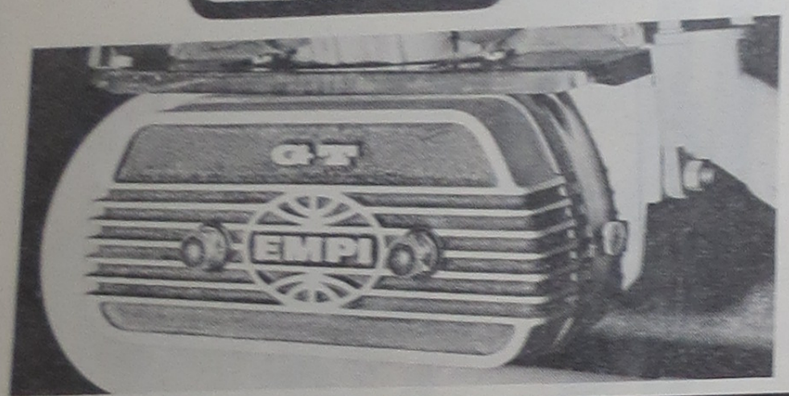
EMPI — the PIONEER in VW POWER !

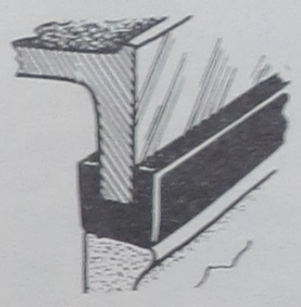
INCH PINCHER TYPE — ALUMINUM VALVE COVERS





FITS ALL 40hp 1200, 1300, 1500 & 1600 VW ENGINES

Specially designed for EMPI's "INCH PINCHER", worlds fastest VW, these new, lightweight valve covers are the newest addition to EMPI's fabulous line of special VW speed equipment. Deeply finned covers provide extra cooling to valves — reducing costly repair jobs. Precision cast hi-impact aluminum alloy . . . handsome looking, with richly burnished fins and emblem, recessed areas finished in black crackle lacquer. Furnished complete with permanent rubber "non-leak" seal, chrome acorn nuts and studs, Easy to install — installation instructions included.



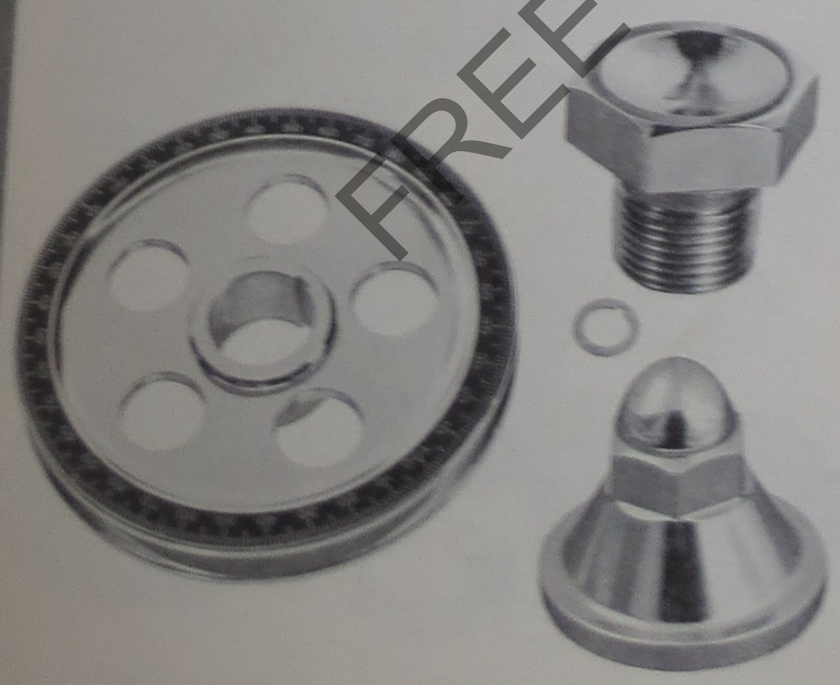
PERMANENT RUBBER SEAL

NEVER NEEDS REPLACING

EVCV-399 EMPI Inch Pincher Aluminum Valve Covers, black crackle finish, includes permanent rubber non-leak seals, chrome acorn nuts stud, pair
Shipping weight: 5 lbs.

POLISHED ALUMINUM ALLOY CRANKSHAFT PULLEY

Crank pulley for the Volkswagen. Heat treated aircraft aluminum alloy. By actual weight, 33% lighter than a stock pulley. One piece construction means a stronger more reliable part. Deeper V lessens chance of throwing or twisting belt. Balance assured by completely maching all surfaces concentric. Runs absolutely true . . . eliminates vibration. Increase the efficiency of your engine and enhance its appearance with this simple bolt on item. Take all the guess work out of correctly timing and setting-up your engine with the incorporation of an accurate timing degree wheel (T.D.W.). Permanently marked on easy to read flat black background in 1° increments. Top dead center (TDC) easily identified. A necessary part of any well tuned engine. A must for the serious racer. Buffed and polished for lasting beauty and effortless maintenance.



EDWV-200 **EMPI Polished Aluminum Alloy Crankshaft Pulley** with 360° timing wheel T.D.C. and 1° increments, clearly marked.
Shipping weight: 2 lbs.

CHROME CRANK PULLEY BOLT

Adds to the appearance of EMPI or stock VW crankshaft pulley. Precision machined for good fit. Long lasting triple chrome plating.

EPBV-220 **EMPI chrome crank pulley bolt**
Shipping weight: 5 oz.

CHROME GENERATOR PULLEY ATTACHMENT NUT

Generator pulley retaining nut will add a big plus to any VW engine. One piece acorn nut with flange provides a truer running, more dependable split generator pulley.

EPNV-225 **Chrome plated generator pulley attaching nut.**
Shipping weight: 7 oz.

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CLOSE RATIO COMPETITION RACING GEARS



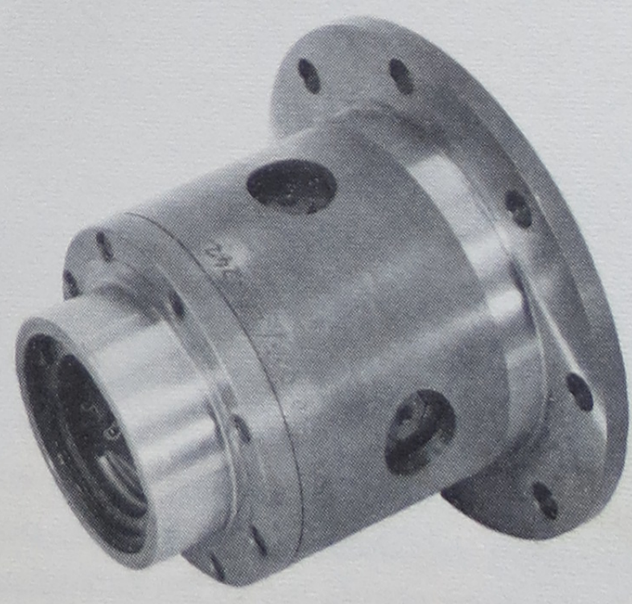
EMPI's new close ratio gear sets are perfect power mates for your Volkswagen engine modifications. These EMPI gears sets remove the old handicap of the Volkswagen transmission. It is well known that the built-in overdrive in the Volkswagen transmission and the lack of selection of ring gear and pinions from Volkswagen can nullify engine power improvements. With EMPI gear sets you can set your Volkswagen up for the type of competition you are engaging in. These gear sets are superbly engineered and are of the highest quality and workmanship. A 1100 RPM split between 3rd and 4th gear means you stay on the engine's power curve. These gear sets allow use of big tires on dune buggies with standard size tire performance. These gear sets are for the late style tunnel type Volkswagen gear box. EMPI gear sets have been successfully used in all types of competition, including drag racing. (EMPI's own Inch Pincher has set many records with these gear sets.) Road racing and off the road racing, rallies, auto crossings and sedan racing are just a few of the uses these gear sets can be put to.

HGRV-401 Close Ratio Competition Racing Gears (1.14-4th gear), fits all full-synchromesh VW transmissions to series No. 118-258-722
Shipping weight: 2 lbs.

HGRV-402 Close Ratio Competition Racing Gears (1.14-4th gear), fits all full-synchromesh VW transmissions after ser. No. 118.258-723, '68 VW
Shipping weight: 2 lbs.

HGRV-400 Close Ratio Competition Racing Gears (1.48 3rd gear), fits all full-synchromesh VW transmissions
Shipping weight: 2 lbs.

EMPI LOC-O-MATIC LIMITED SLIP DIFFERENTIAL



Ideal for use in dune buggies. Give positive continuous traction in sand, mud, ice, etc. This superior unit, from Z-F in West Germany, is in demand by race drivers for maximum performance under extreme conditions of weather, terrain, or competition. Maintains drive traction to the non-spinning wheel, enabling continuous forward movement. Available for all 6 or 8 hole ring gear VW.

HLDV-340 ZF Limited Slip Differential, all VW & Ghia with 8 - hole ring gear
Shipping weight: 18 lbs.

HLDV-341 ZF Limited Slip Differential, all VW & Ghia with 6 - hole ring gear
Shipping weight; 18 lbs.

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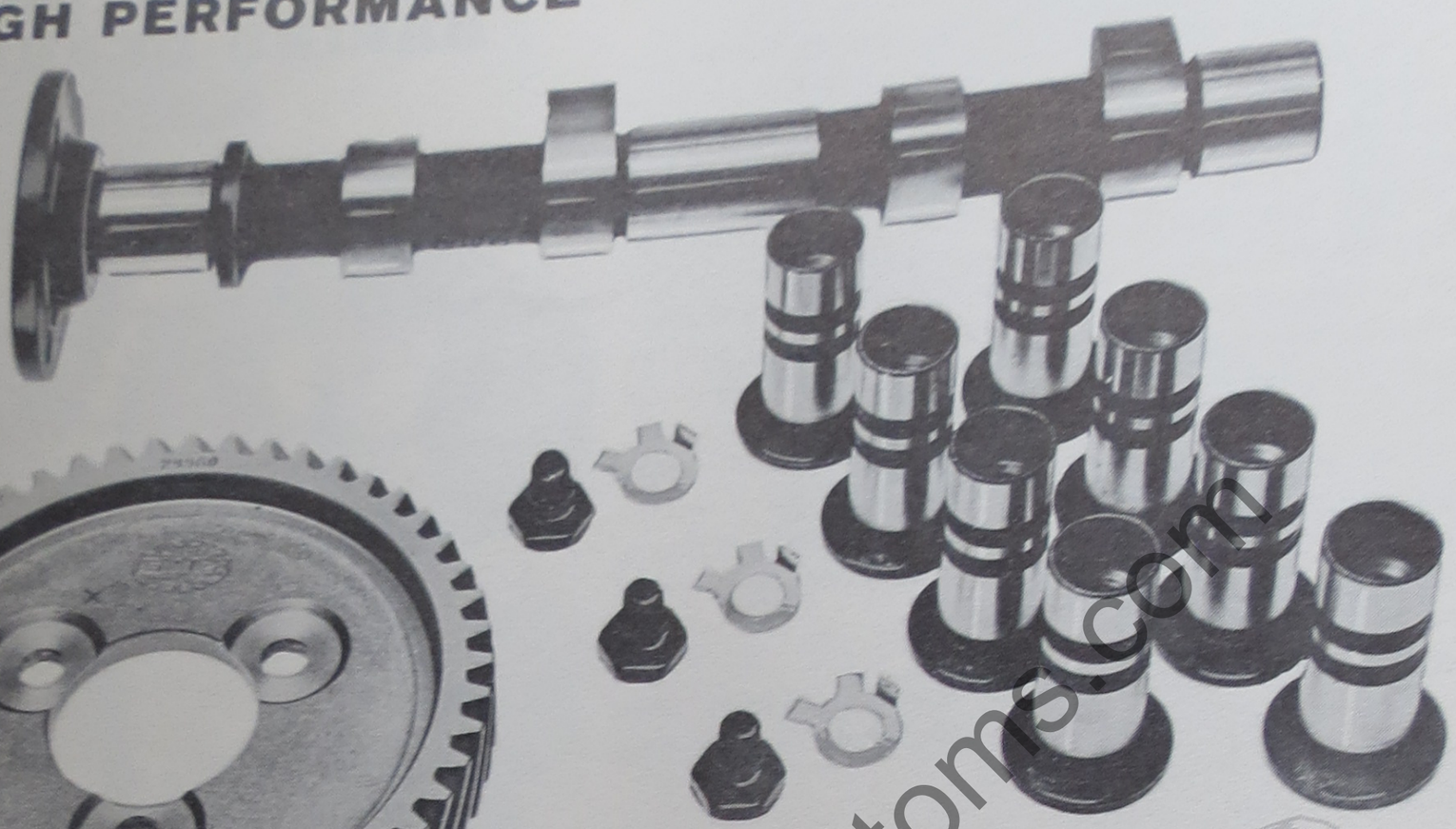
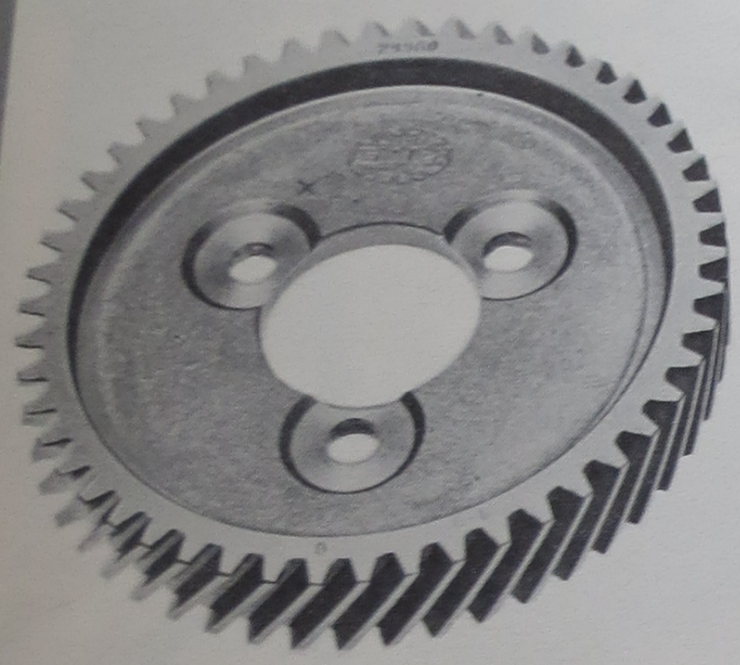
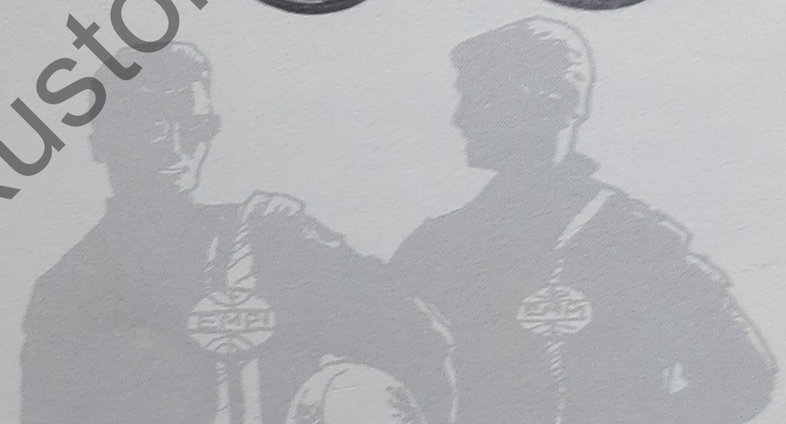
TESTED AND PROVEN ON THE INCH PINCHER

INCH PINCHER HIGH PERFORMANCE RACING









The cam in any automotive engine can be described as the "heart" of the engine. The profile, the opening and closing ramps, the lift and the duration that are programmed into a camshaft determine the engine's final performance, purpose and its power output.

At EMPI we have designed and tested all types of camshafts for VW before selecting our present series of grinds. The cams we offer now are the final results of literally hundreds of hours on the dyno, at the drag strip and on the street. We have named our new camshaft after the Inch Pincher, our high speed quarter mile testing laboratory. The Inch Pincher is also the world's fastest and best known VW drag race car (we do race what we sell and sell what we race). Its record-breaking performances have thrilled millions of enthusiasts throughout the world and went a long ways toward making the sport of drag racing VWs a popular one. The three difference grinds we offer can be used in the widest variety of competition. After selecting the type of grinds we wanted, we then decided that only the finest of materials would do. No longer do we just regrind used VW cams (as others do). We now grind the Inch Pincher camshaft from new steel billets. These billets are made of peripheral alloy cast iron, flame hardened and then parkerized. This method of using a blank billet is superior to the regrind type of camshaft for the following reasons:

The lobe diameter remains the same after grinding, thus eliminating pushrod angularity. Bearing journals are full size and not worn, thus eliminating serious loss of oil pressure at the camshaft journal. The Inch Pincher camshaft employs a 3-bolt attaching method, a la Porsche style, three hardened shouldered cap screws not only hold the camshaft to the gear for perfect alignment, but also acts as the drive pins, no longer having to depend on the three small rivets as used in the stock set up. The

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— THE WORLD'S FASTEST VOLKSWAGEN !

CAMSHAFT KITS

extra benefits from this is quick interchangeability when selecting the right camshaft gear for the crank gear. It is as simple as unbolting and bolting on another gear until you have the fit you want.

EMPI cam gears are available in a wide range of sizes (see listing). So remember all EMPI camshafts are new, not regrinds. All camshaft and camshaft kits are sold outright, no exchange is necessary.

Remember if you want Inch Pincher performance you must use Inch Pincher camshafts.

To insure proper gear clearance, specify the number on the cam gear of your present cam, i.e.,+2,–1,0, etc. EMPI Camshaft, Gears and Camshaft Kits are available in the following gear sizes: 0, 1+, 2+, 3+, 4+, 5+, 6+, and 1–, 2–, 3–, 4–, 5–, 6–.

¾ RACE CAMSHAFT SPECIFICATIONS

Intake opens 32° BTDC
Intake closes 62° ABDC
Duration 274°
Exhaust opens 62°
Exhaust closes 26° ATDC
Duration 268°
Overlap 58°
Lift .330
Checking Clearance .020
Valve setting (cold)
.008 (early 40 hp heads)*
.004 (late 40 hp heads)
Use VW recommended valve setting for 1300-1500-1600 heads

* Adjust to .004 if your early 40 hp heads have been modified with EMPI Rocker Stud Kit ERSV-301.

ECSV-820 Inch Pincher ¾ Race Camshaft Kit, 268 Duration. Includes new camshaft, cam gear with attachment kit, 8 EMPI racing lightweight lifters. All VW engines '61-'70. Specify gear size required.
Shipping weight: 7 lbs.

ECSV-821 Camshaft only, same as ECSV-820
Shipping weight: 3 lbs.

FULL RACE CAMSHAFT SPECIFICATIONS

Intake opens 38° BTDC
Intake closes 72° ABDC
Duration 290°
Exhaust opens 74° BBDC
Exhaust closes 36° ATDC
Duration 290°
Overlap 74°
Lift .319
Checking clearance .020
Valve setting (cold)
.008 (early 40 hp heads)*
.004 (late 40 hp heads)
Use VW recommended valve setting for 1300-1500-1600 heads

* Adjust to .004 if your early 40 hp heads have been modified with EMPI Rocker Stud Kit ERSV-301.

ECSV-830 Inch Pincher Full Race Camshaft Kit, 290 Duration. Includes new camshaft, cam gear with attachment kit, 8 EMPI racing lightweight lifters. All VW engines '61-'70. Specify gear size required.
Shipping weight: 7 lbs.

ECSV-831 Camshaft only, same as ECSV-830
Shipping weight: 3 lbs.

SUPER FULL RACE CAMSHAFT SPECIFICATIONS

Intake opens 56° BTDC
Intake closes 86° ABDC
Duration 322°
Exhaust opens 91° BBDC
Exhaust closes 51° ATDC
Duration 322°
Overlap 107°
Lift .360
Checking clearance .020
Valve setting (cold)
.015 (VW 1500 single port heads w/39mm intake valve)
.015 (VW 1600cc heads & EMPI Racing Heads DW-1)

ECSV-840 Inch Pincher Super Full Race Camshaft Kit, 372 Duration. Includes new camshaft, cam gear with attachment kit, 8 EMPI racing lightweight lifters. All VW engines '61-'70. Specify gear size required.
Shipping weight: 7 lbs.

ECSV-841 Camshaft only, same as ECSV-840
Shipping weight: 3 lbs.

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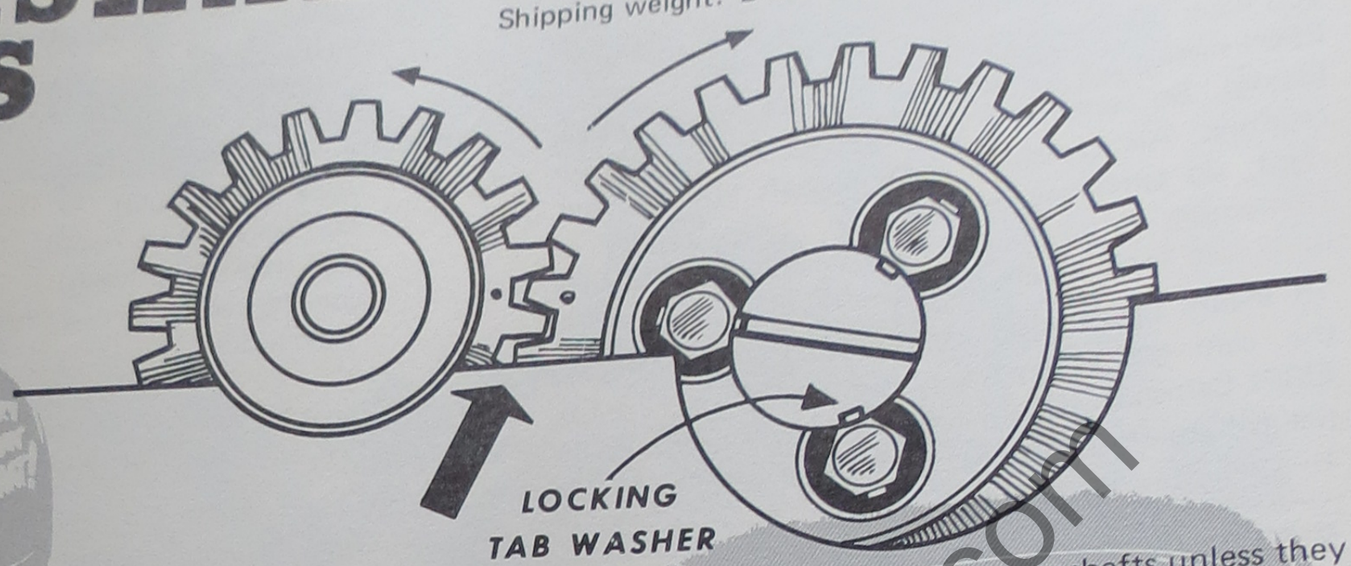
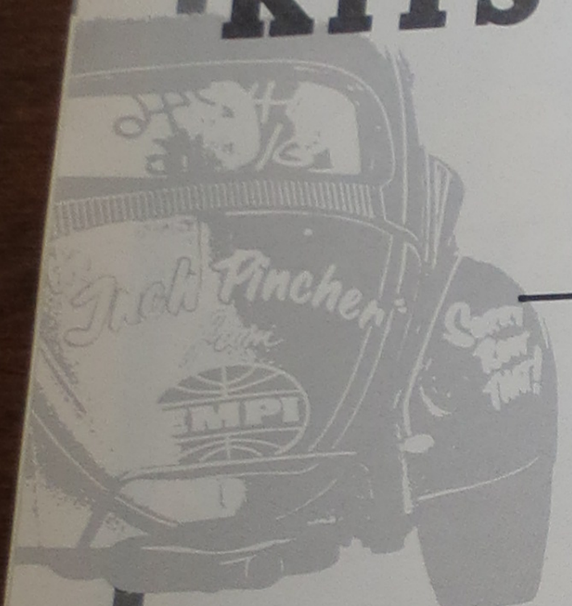
RACING CAMSHAFT KITS

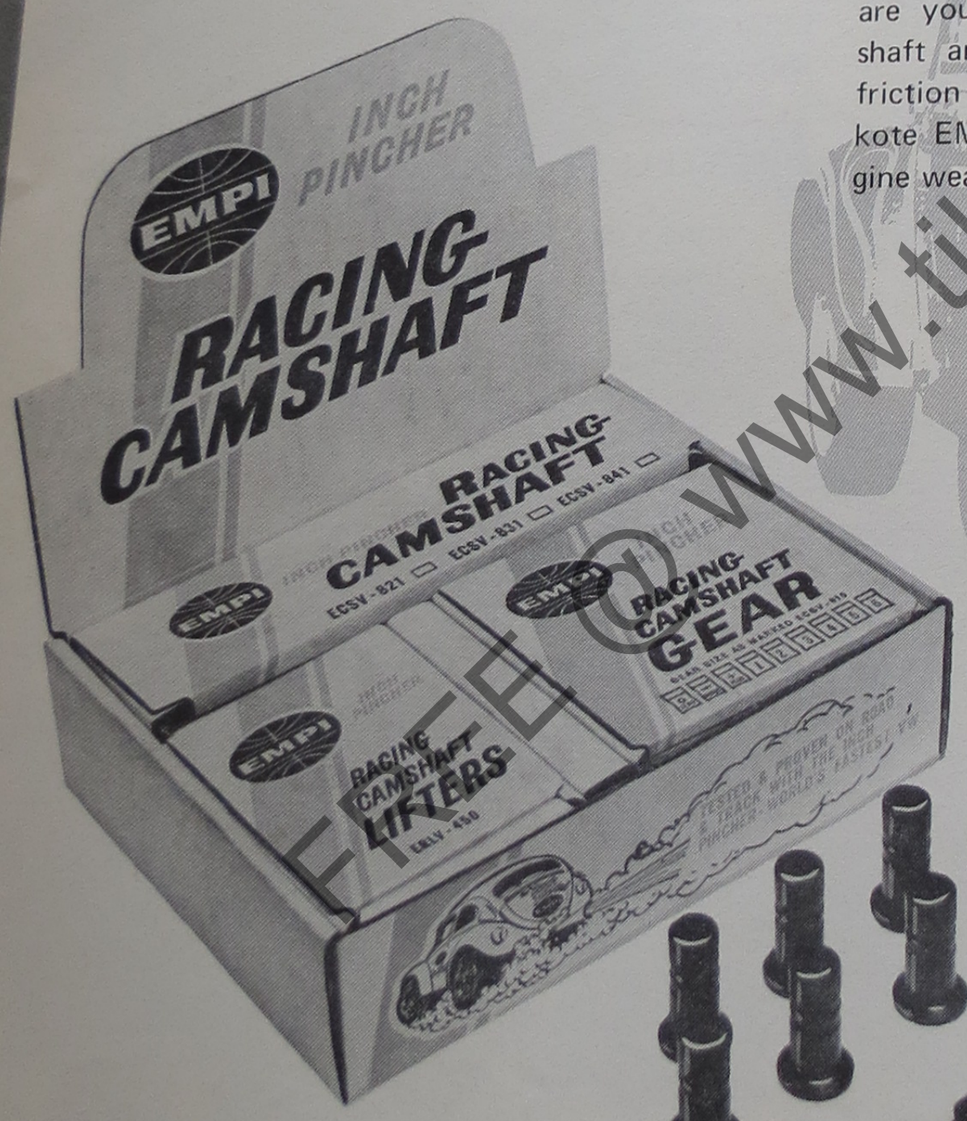
ECGV-810 **EMPI Racing Camshaft Gear,** bolt-on style. Includes attachment hardware. Specify Gear Size required. See listing below.
Shipping weight: 1 lb. 4 oz.

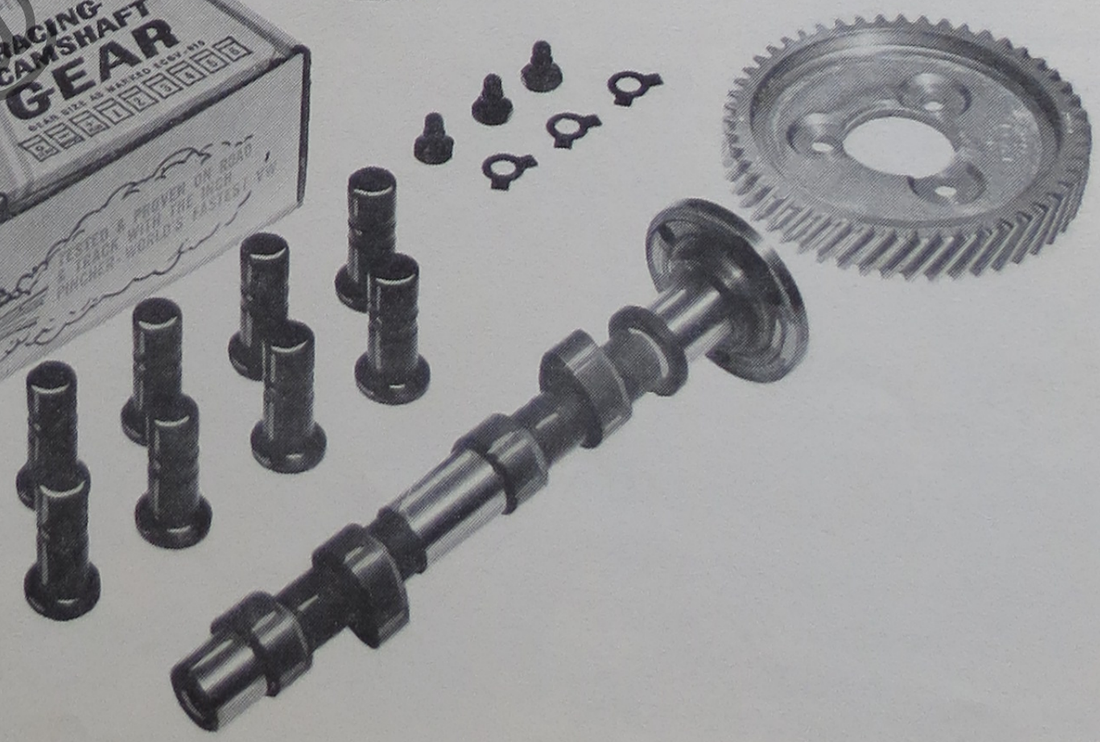
ERLV-450 **EMPI Racing Lifters,** lightweight. Set of 8
Shipping weight: 2 lbs. 8 oz.



EMPI cannot guarantee their racing camshafts unless they are installed with new EMPI lifters, ERLV-450 (set of 8) and an EMPI timing gear ECGV-810. New EMPI lifters are your best insurance against camshaft failure. Camshaft and lifters should be installed with a good anti-friction lubricant like EMPI Moly EMYX-202 or Moly-kote EMYX-201 for increased protection from early engine wear.







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A NEW CONCEPT IN PISTON RING DESIGN . . .

RACING PISTON RINGS

In many automobile engines, almost no parts are subject to more wear (and more frequent replacement) than the piston rings. In past years, no significant advancements have been made in piston ring design until the EMPI "Z-type" racing piston rings came along. After years of extensive testing in all of our racing engines, we are making these superior rings available to the public. Now you can get away from the expensive "ring jobs" because EMPI racing rings are made from the finest Swedish steel, not cast iron, and are manufactured under the most rigid manufacturing and design specifications. They have proven to outlast cast iron rings two to three times.

VW and Porsche engines equipped with these EMPI racing rings show considerable improvement in overall performance, compression and an almost unbelievable drop in oil consumption. Oil consumption is lowered so drastically because the unique "Z-type" design of our rings insures a perfect oil seal at all times and provides cylinder wall lubrication right from the very first stroke of the engine. Extended cylinder life is therefore an added benefit of these rings.

The superior materials used in the manufacture of our EMPI racing rings does result in a higher cost of the rings when compared to the cost of conventional cast iron rings. However, the much longer life of our rings results in fewer "ring jobs", saving you much more than the few extra dollars for our rings versus the cast iron rings.

ERIV-480 EMPI Racing Rings, Z-type, 82.0 mm for Big Bore Kit, PBBV-100, 1.5 mm width, set
Shipping weight: 8 oz.

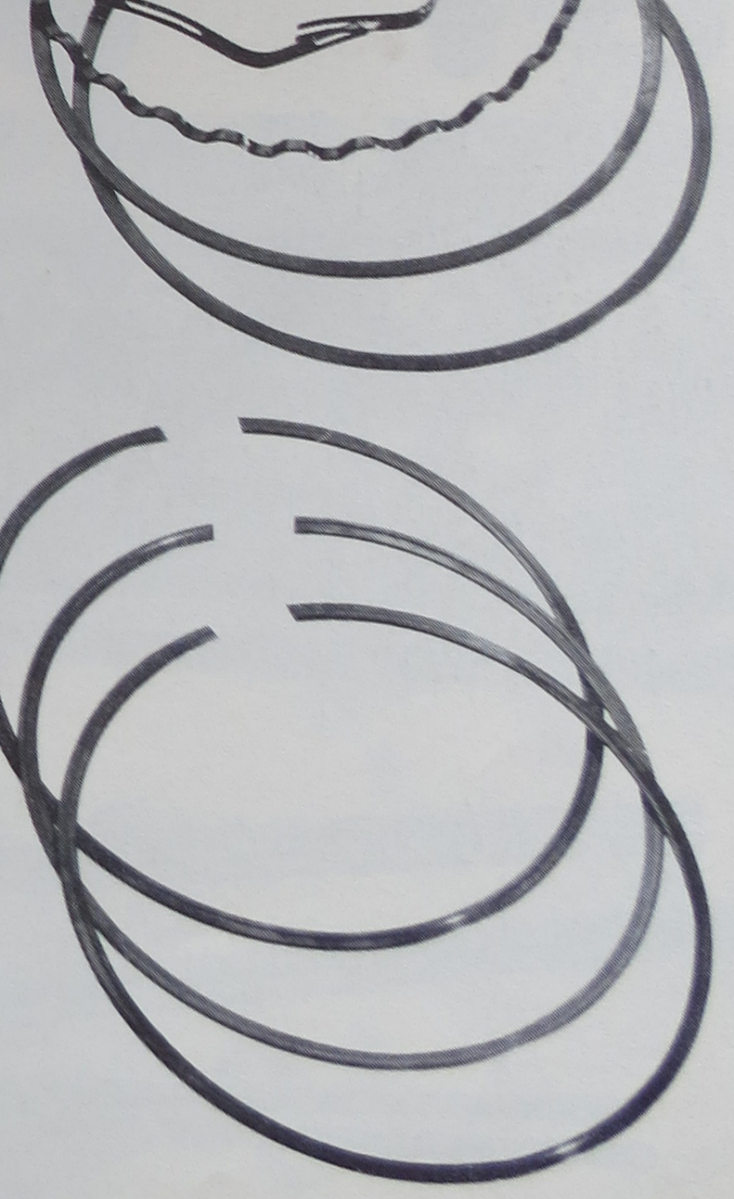
ERIV-482 EMPI Racing Rings, Z-type, 82.0 mm, for Big Bore Kit, PBBV-100, 2.5 mm width, set
Shipping weight: 10 oz.

ERIV-510 EMPI Racing Rings, Z-type, 77.0 mm for VW 1200 Series, 36 & 40 HP
Shipping weight: 9 oz.

ERIV-513 EMPI Racing Rings, Z-type, 85.5 mm for VW 1600
Shipping weight: 10 oz.

ERIV-515 EMPI Racing Rings, Z-type, 88mm for PBBV-101 and PBBV-105 Super Bore Kits
Shipping weight: 10 oz.

ERIV-516 EMPI Racing Rings for Z-type 2mm comp. 1500cc '64-'69
Shipping weight: 10 oz.



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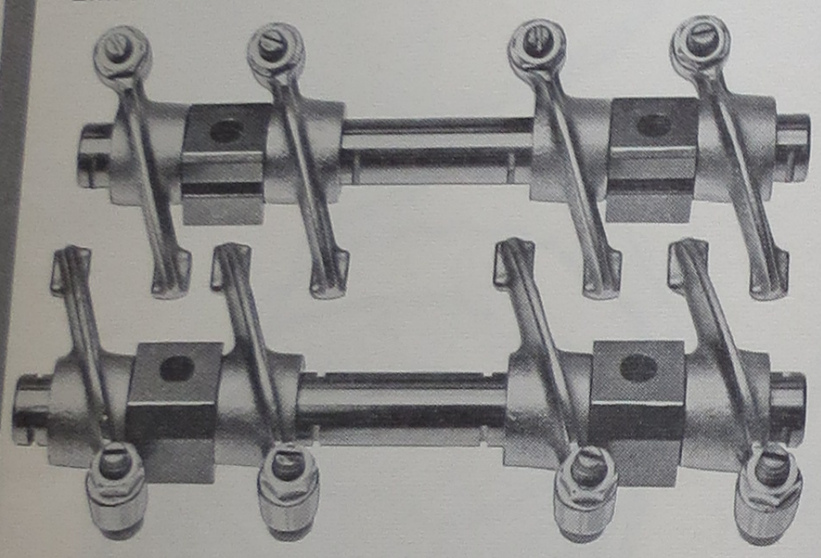
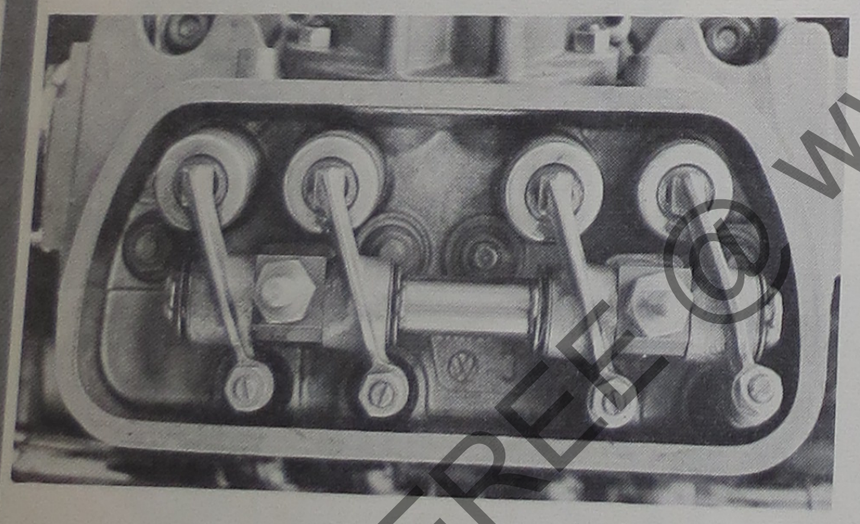
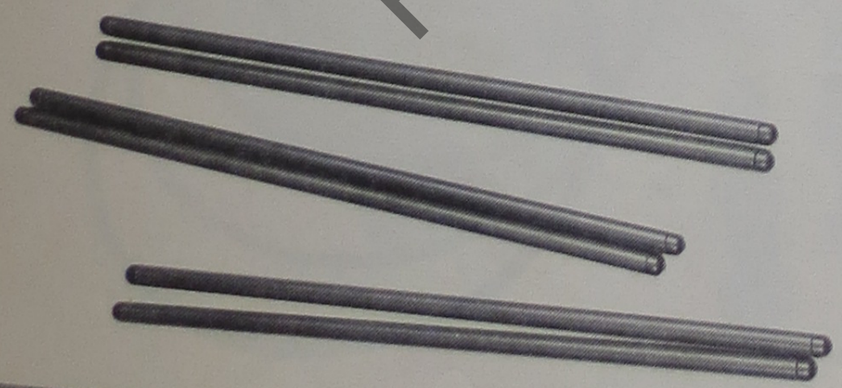
ROCKER ARM KIT

The best - known VW - powered race car throughout the world is the EMPI "Inch Pincher". To make it the fantastic performer that it is, only the very best is barely good enough for its 200 + hp engine. The Inch Pincher engine is equipped with the new EMPI Rocker Arm Kit as pictured and described here.

Late style stock VW rocker arms have a ratio of lift of 1.1 : 1. The EMPI Rocker Arm Kit has a ratio of 1.4 : 1, which allows the pushrods to open the valves further. Result - more fuel and air mixture can be inducted into the engine. All EMPI camshafts are compatible with this EMPI Rocker Arm Kit. The slipper face of the EMPI Rocker Arm eliminates the misalignment and scuffing that occurs when using stock VW rocker arms with any racing camshaft. The slipper face also gives a smoother valve action.







The slipping action, coupled with the slight offset of the EMPI Rocker Arm to the valve stem, provides a rotating action to the valve stem, thus preventing premature valve and valve seat burning.

Other special design features of the EMPI Rocker Arm Kit:

Made from chrome vanadium drop forgings.

Rockers are bronze bushed and micro finished which prevents galling and seizing at high rpm's.

The adjusting screws are longer and valves are much easier to adjust due to the adjusting screws being at the pushrod end, not the valve end.

The kit is supplied complete with pivot block and rocker arm shafts, and is designed to be used with stock VW spacers, springs and retaining clips.

Installation can be accomplished without removing the engine from the car.

The installation of the EMPI Rocker Arm Kit will result in a noticeable increase in your engine performance, comparable approximately to the same increase that would result from the installation of a mild - medium camshaft on a stock engine. This kit should be considered a "must" for any VW engine which has been modified for larger displacement or which has been equipped with any high - performance induction equipment such as Solex or Weber kits. When using this EMPI Rocker Arm Kit, the standard VW push rods have to be shortened (instructions are packed with each kit), or you can purchase the appropriate shortened pushrods form EMPI.

ERSV-302 EMPI High Performance Rocker Arm Kit for VW HP 1300-1500-1600cc VW engines 1.4 to 1 Ratio
Shipping weight: 5 lbs.

HIGH PERFORMANCE PUSH RODS

Specially developed for use only with the EMPI High-Performance Rocker Arms. Light-weight and made from chrome moly to withstand higher rpm's without flexing. 8mm shorter than stock VW push rods - use only with EMPI Rocker Arms.

EPRV-304 High Performance Push Rods, chrome moly, use with ERSV-302 High Performance Rocker Arms, 40 HP VW engine w/stock stroke, set of 8
Shipping Weight: 2 lbs.

EPRV-305 High Performance Push Rods, chrome moly, use with ERSV-302 High Performance Rocker Arms, 1300-1500-1600cc VW engines with stock stroke, set of 8
Shipping Weight: 2 lbs.

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ROCKER ARM SUPPORT STUD REPAIR KIT



The problem of repairing loose support studs is usually an expensive one because it requires much mechanical labor and costly replacement parts. Now this problem can be corrected quickly and inexpensively. The EMPI Rocker Arm Support Stud Repair Kit can be installed without even removing the engine from the VW - not even the engine shrouding has to be removed.

The use of the EMPI repair kit saves not only money on labor charges, it saves money on the cost of the repair parts because the EMPI repair kit is inexpensive. With EMPI's steel support sleeves, the support studs hold the rocker arms firmly in place thus solving the problem of loose support studs permanently.

The EMPI Rock Arm Support Stud Repair Kit includes 4 support sleeves, 4 support studs, and 4 washers.

The companion tool kit to install the EMPI Rocker Arm Support Stud Repair Kit is sold separately and consists of a high-quality reamer and the threaded spring to pull the support sleeves in place without engine removal.

Complete, easy to understand instructions supplied with every repair kit and tool kit.

ERSV-301 Rocker Stud Kit, set of 4, 1200-1300-1500-1600cc Series '61-'66
Shipping weight: 5 lbs.

TRSV-191 Rocker Stud Kit Installation Tool
Shipping weight: 1 lb.

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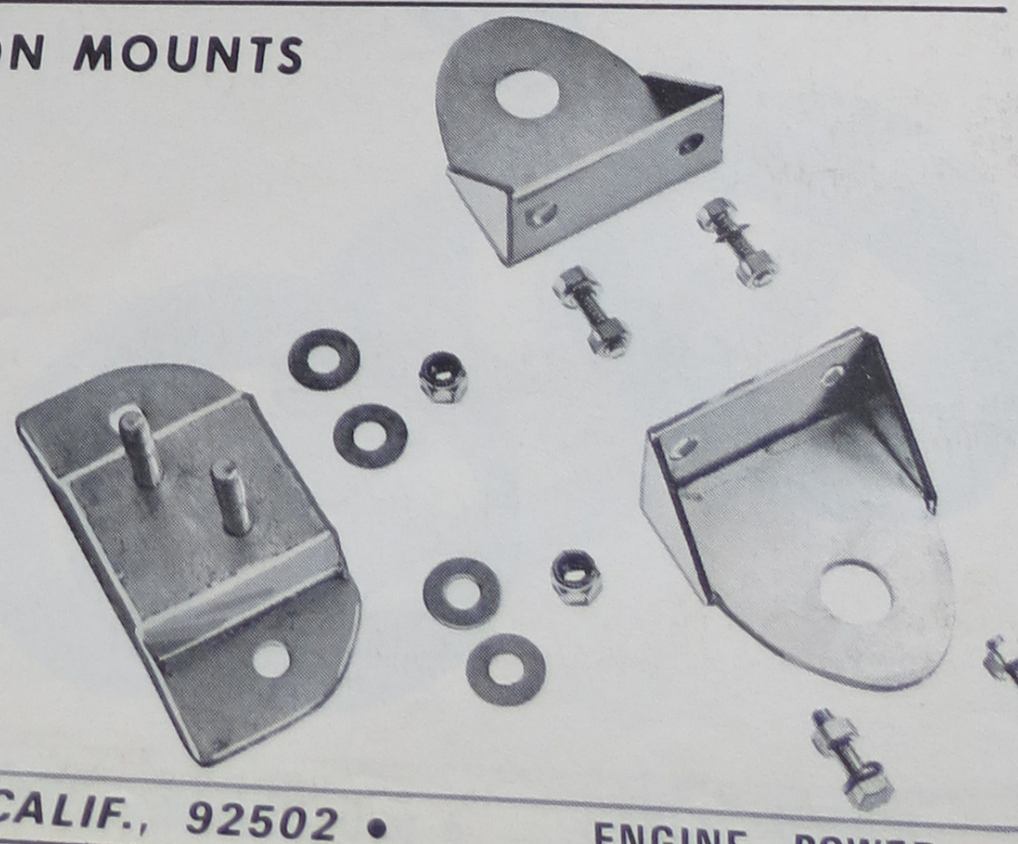
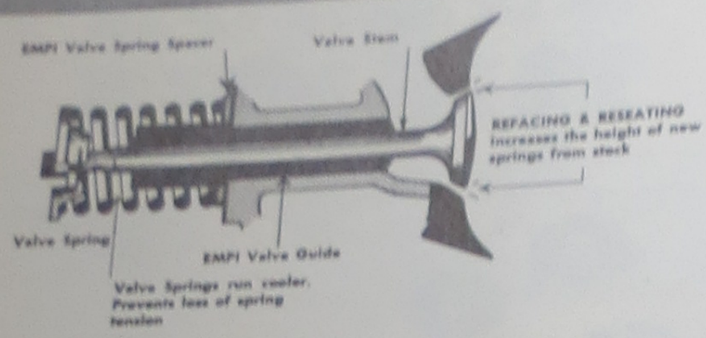
SOLID MOTOR & TRANSMISSION MOUNTS

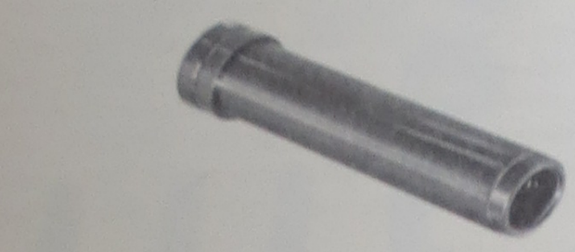


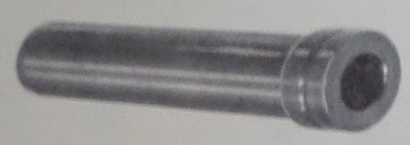
No more shake, rattle, or shudder, with the EMPI solid motor and transmission mounts. Bolts on just like stock mounts. An absolute must for dune buggies, off-the-road racers, drag racing, or any high-performance equipped street Bettle. Your best insurance against broken transmission mounts.

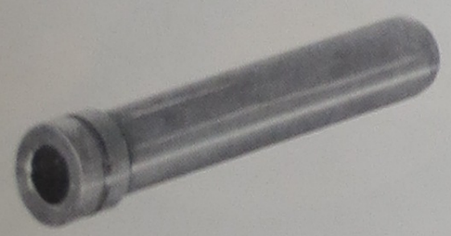
IPSM-410 Solid Motor & Transmission Mounts, replaces std. VW motor mounts for '61-'70 VW Type I frames. Will fit '61 & earlier Type I with modification to VW front mount 4 speed only.
Shipping weight: 4 lbs.

FOR QUALITY — INSIST ON EMPI PARTS !











VALVE GUIDES

EMPI was the first company in the world to solve the problem of replacing valve guides in the aluminum VW cylinder heads. With that product we started our company. Since then, many have copied our guides, but today EMPI valve guides are still the best in the world. Made from aluminum silicone bronze which is used extensively in air-cooled aircraft engines. Precision machined to insure the utmost in reliability and longevity. Don't settle for a cheap imitation - get the best - insist on genuine EMPI valve guides.

EGEX-161 Valve Guide, exhaust, 1200-1300-1500-1600cc Series engines (Type I, II, III vehicles) '61 and later, aluminum silicone bronze.
Shipping weight: 6 lbs.

EGEX-165 Valve Guide, exhaust, 1200-1300-1500-1600cc Series engines (Type I, II, III vehicles) '61 and later, aluminum silicone bronze, OVERSIZE.
Shipping weight: 6 lbs.

EGIX-171 Valve Guide, intake, 1200-1300-1500-1600cc Series engines (Type I, II, III vehicles) '61 and later, aluminum silicone bronze
Shipping weight: 6 lbs.

EGIX-175 Valve Guide, intake, 1200-1300-1500-1600cc Series engines (Type I, II, III vehicles), '61 and later, aluminum silicone bronze, OVERSIZE..
Shipping weight: 6 lbs.

EGER-180 Racing Valve Guide, exhaust, aluminum silicone bronze, for dual & single port heads
Shipping weight: 6 oz.

EGIR-181 Racing Valve Guide, intake, aluminum silicone bronze, for dual & single port heads
Shipping weight: 6 oz.

VALVE SEATS

The use of 39mm EMPI Racing Intake Valves required the use of the appropriate size valve seat. These EMPI 39mm valve seats can be installed by any competent automotive machine shop.

EVSV-393 Oversize Valve Seats, for use with 39mm racing intake valve, all VW '67-'70
Shipping weight: 2 oz.

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EMPI — your INSURANCE for a BETTER PRODUCT !

RACING HEAVY DUTY VALVES

These are the same valves as used in the EMPI Inch Pincher. Made of the best available materials and precision machined, they are vastly superior to any valves now available for VW. Exhaust valves are 32mm for use with the standard VW valve seat. The intakes are 39mm - they require the installation of the appropriate 39mm valve seats shown below.



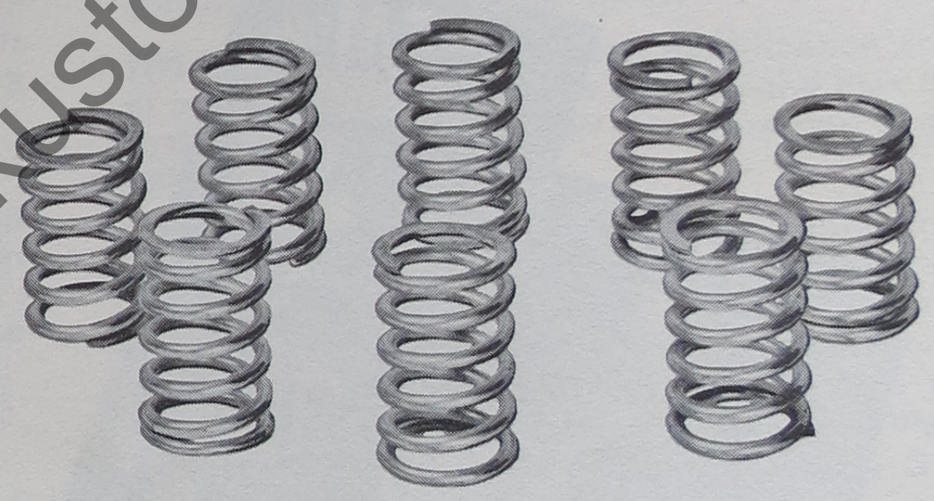
EVEV-350 EMPI Racing Heavy Duty Valve, exhaust, all 1200-1300 engines (Type I & II), each
Shipping weight: 4 oz. each

EVEW-352 EMPI Racing Heavy Duty Valve, exhaust, all 1500-1600 engines (Type I, II, III), each
Shipping weight: 4 oz. each

EVIV-363 EMPI Heavy Duty Racing Valve, intake, 39mm, for use with O/S seats EVSV-393, each
Shipping weight: 4 oz. each

HEAVY DUTY VALVE SPRINGS

EMPI Valve Springs give approximately 60 lbs. more pressure than stock springs. This allows higher rpm's without valve float - promotes longer valve life - minimizes valve sticking. An absolute must for any modified engine.

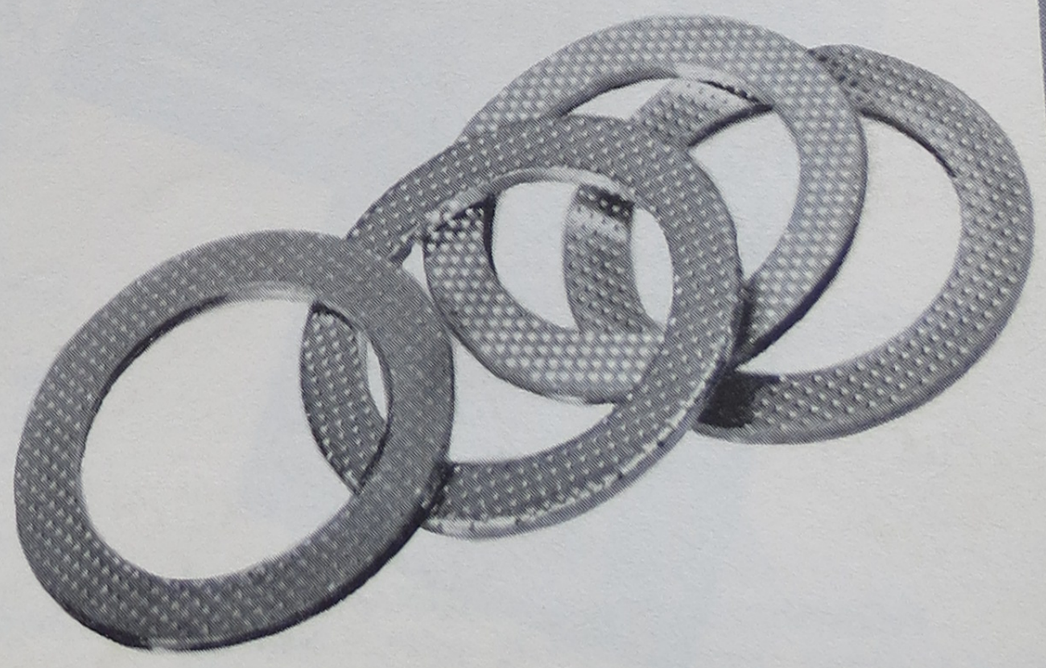


EVSV-382 Racing Valve Springs, all VW '67-'70. set of 8
Shipping weight: 1 lb. 8 oz.

ECSV-385 Racing Valve Springs, Dual, Racing only, set of 8
Shipping weight: 1 lb. 8 oz.

VALVE SPRING SPACERS

The refacing of the valves and valve seats during a valve job increases the length of the valve stem. This may cause valve float because of the lost tension of the valve springs. EMPI valve spring spacers restore the tension of the sprints to normal. They also act as insulation between the springs and the hot cylinder head.



ESSV-321 Valve Spring Spacers, all 40 HP & later VW engines, set of 8
Shipping weight: 5 oz.

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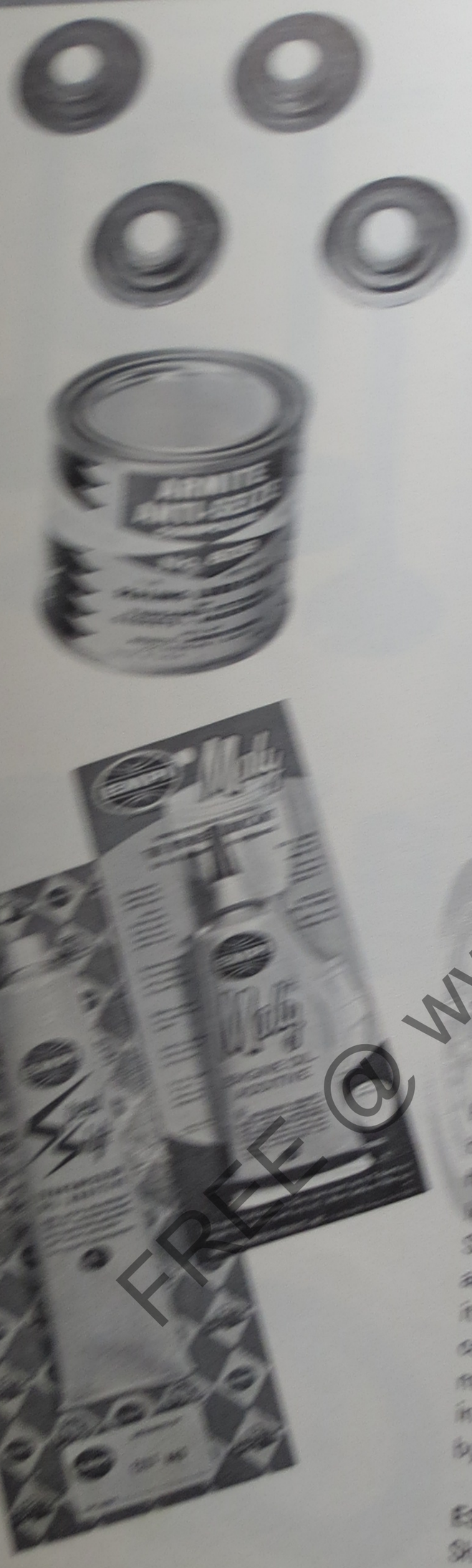
MAKE SURE IT'S FROM EMPI !



VALVE SPRING RETAINERS

In any modified engine, weight of the valve train is an important factor. The lighter the valve train is, the better the performance. The EMPI valve spring retainer is designed to reduce valve train weight. It is strong but has extremely small mass. Ideal for use in your race engine.

EMPI 135 EMPI Racing Lightweight Valve Spring Retainer, Aluminum, set of 8
Shipping weight: 8 oz.

ANTI-SEIZE ARMITE

It's the anti-seize compound with a hundred uses – for the garage or home workshop. Invaluable when used to lubricate coating valve guides prior to installation and then when heat, for pressing on gears, lubricating clevis for longer life, sealing cylinder heads, coating threads to get even torque. Excellent also for sealing surfaces in carburetors, rocker arms, etc.

TAAA-100 AntiSeize Armite (4 oz. tube) used for installing valve guides, etc. Tin, can be used. Shipping weight 1 lb. 12 oz.

EMPHAMOLY

EMPHAMOLY, added to your engine oil, is almost like giving your car an extra quart. It makes the engine run quieter, cleans oil breaks in, reduces engine operating temperature, friction and wear. For use in any 4-cycle automobile, boat or lawn mower engine. Sold only by the case – 36 resealable 2-oz. tubes per case.

EMPX-2020 EMPHAMOLY, case of 36 tubes
Shipping weight: 9 lbs. 8 oz.

EMPI SPEED SHIFT

Having a little trouble on cold mornings getting your four-on - the - floor to shift properly? Does shifting become harder and harder on hot days because your transmission lubricant is reaching boiling temperature? EMPI Speed Shift is your answer. Reduces sticking, seizing, grinding and heat. It prolongs the life of your transmission because it coats all friction-bearing metal in your gearbox with a coat of super-refined molybdenum disulfide. Speed Shift makes your gears so slick that it is absolutely for use only in stickshift transmissions, not in automatics. Sold only by the case - 36 resealable 4-oz. tubes per case.

ESSX-4400 EMPI Speed Shift, case of 36 tubes
Shipping weight: 13 lbs. 12 oz.

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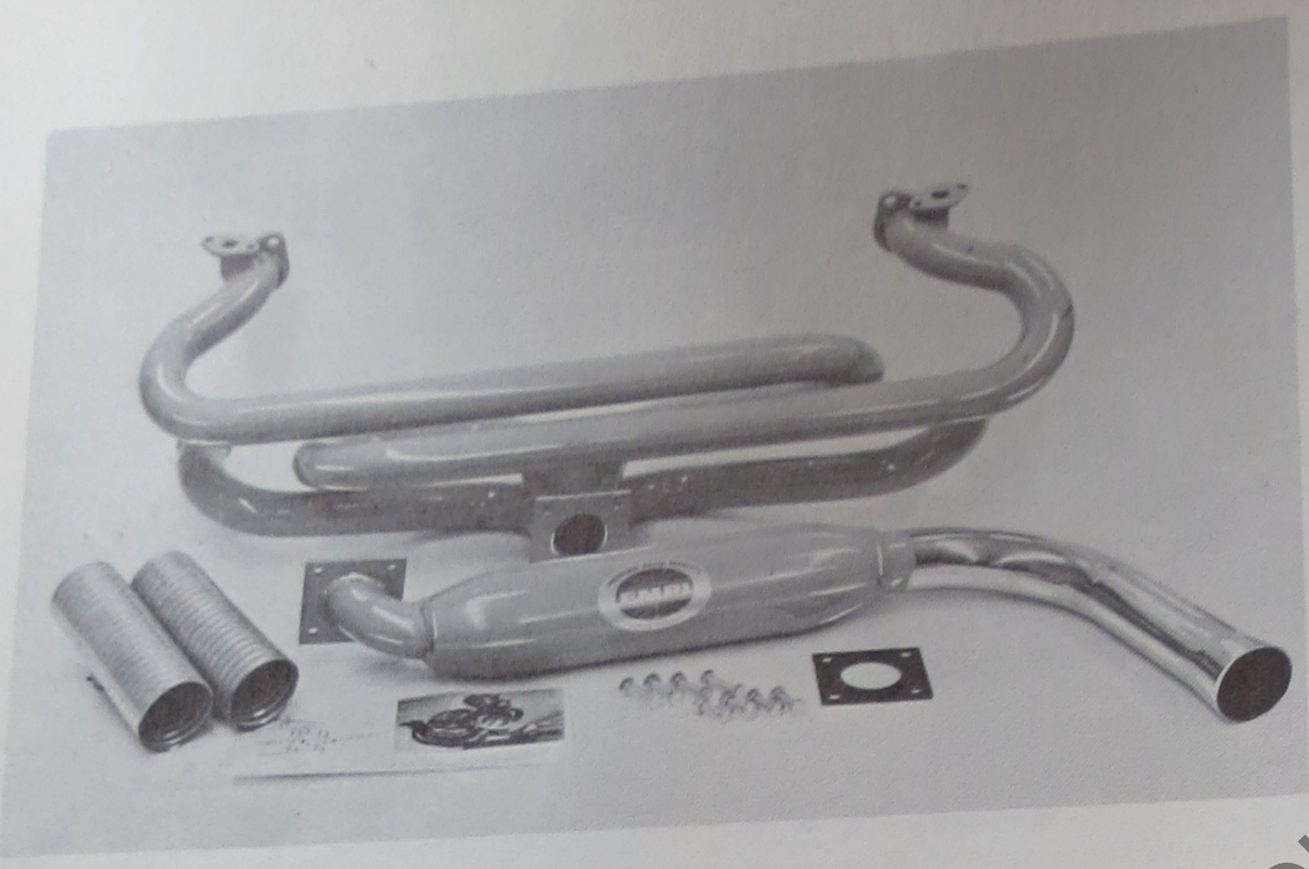
The exclusive

EMPI

GRAND PRIX

Dyno-tuned EXTRACTOR EXHAUST SYSTEM



DO YOU NEED A "MUFFLER" . . .
OR AN EMPI EXTRACTOR EXHAUST SYSTEM?

Most mufflers are simple baffle devices . . . made to muffle sound by **holding back the exhaust.**

Conventional exhaust pipes and mufflers hold the exhaust gases until they are **pushed** out through build-up of pressure.

THE EMPI EXTRACTOR EXHAUST SYSTEM does much more than a muffler or conventional system. It **boosts the power** and **lengthens engine life** by **decreasing back pressure.**

WHAT DOES "EXTRACTOR" MEAN?

"Extractor" refers to the **extracting** or **sucking out** of exhaust gases. A properly designed exhaust system will act like a supercharger or vacuum pump . . . **pulling out the burnt gas** and **increasing engine vacuum.** This speeds up the intake charge and improves firing.

HOW DOES THE EXTRACTOR SYSTEM WORK?

Scientific research pioneered by Porsche, Lotus and others, established the basic principle that EQUAL LENGTH PIPES FROM EACH CYLINDER PROVIDE SPACE FOR THE EXPLODED GAS TO ESCAPE IN FIRING SEQUENCE . . . EACH CHARGE PULLING OUT THE ONE FOLLOWING . . . GAINING A NATURAL SUCTION AND ELIMINATING ALL BACK PRESSURE.

These factors affect exhaust system efficiency:

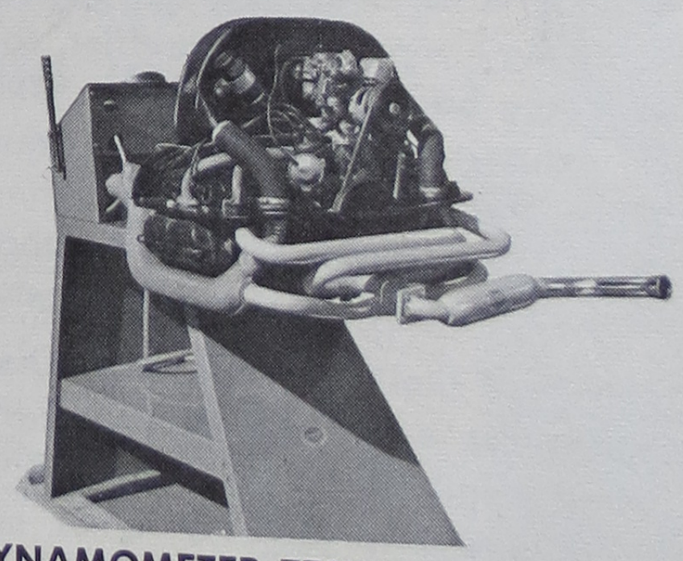
1. Effective length of pipe (must be exactly same from each cylinder)
2. Diameter of pipes (large enough to avoid gas restriction . . . small enough to extract the gas . . . a critical dimension for efficient performance).
3. Inside surface of pipes (rough surface impedes gas flow)
4. Diameter of bends (sharp bends slow down the gases)

EMPI's EXPERIMENTAL RESEARCH, over the past several years, was geared to apply the above factors, and rid the system of power-stealing back pressure. Other manufacturers have started out with the same intention. EMPI kept going until all specifications had been met, with no short cuts for manufacturing convenience. We firmly believe the EMPI Extractor Exhaust System to be superior to any on the market . . . outstanding value for the money.

THE FIRST STEP in any engine modification for speed or power . . . is to install an EMPI Grand Prix Extractor System. It makes **any** VW (or Porsche) engine run better . . . last longer.

Many Hours of dynamometer and on-the-car testing went into the development of EMPI'S power-boosting series of tuned Extractor-Type Exhaust Systems. First, the general pipes design was perfected. Then, further design and tooling produced systems with the additional modifications necessary to fit 40 hp VW engines using both old and new-style heaters, the Ghias, and 1500-cc engines used on 200 Series trucks and station wagons.

(Prices etc., on page X-3)



EMPI DYNAMOMETER TEST EQUIPMENT . . . showing the final version of the Extractor Exhaust System on a VW engine.

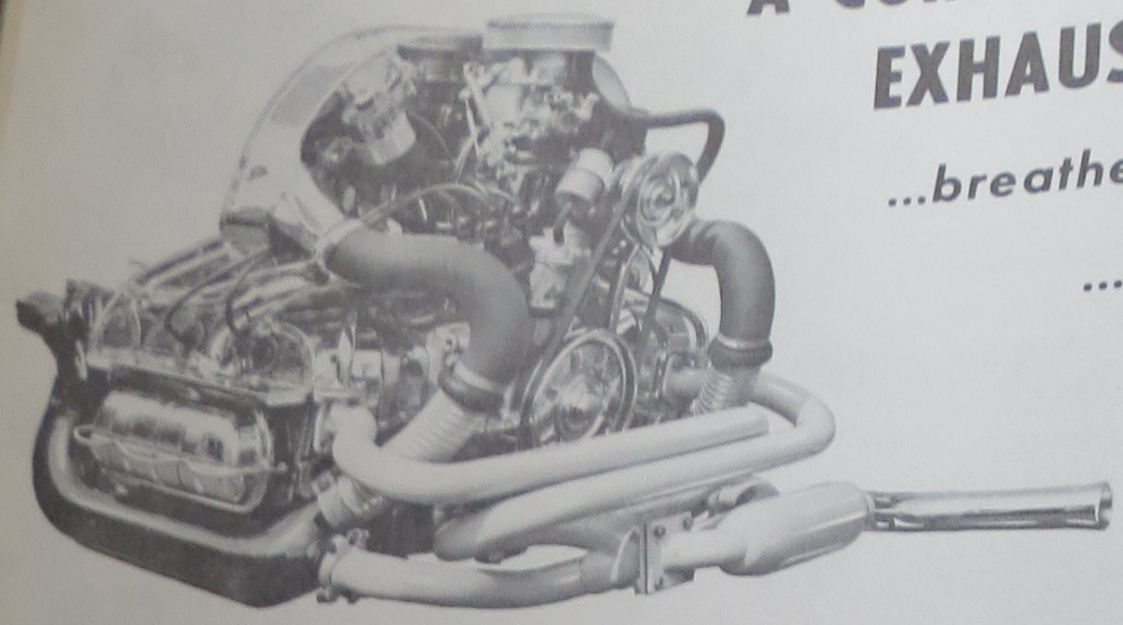
FREE @ www.tjkustoms.com

More than a mere muffler...

A COMPLETE VOLKSWAGEN EXHAUST SYSTEM...

...breathes with more power

...tuned pipes extract hot gases freely!



ADVANTAGES:

1. **BOOSTS POWER . . . 7 to 10%, after tuning, stock or modified engines.**
2. **ENGINE RUNS COOLER . . . valves last longer.**
3. **EASY TO INSTALL . . . doesn't disturb fresh air heating system.**
4. **MAINTAINS GROUND CLEARANCE.**
5. **IMPROVES TONE . . . makes the sound you like to hear.**
6. **GOOD LOOKING . . . snug fit.**
7. **AVAILABLE FOR ALL MODELS VW, PORSCHE**
8. **SILENCER INTERCHANGEABLE WITH STINGER PIPE . . . for competition power.**

MORE THAN MERE MUFFLERS, EMPI Extractor Exhausts are multi-pipe exhaust networks, with pipe lengths carefully developed to yield optimum power output. When random-length pipes feed a muffler, congestion and power-robbing back pressures result. With tuned-length pipes, exhaust gas impulses flow smoothly in timed sequence through system's pipes and glass-packed muffler. This superior scavenging enables the engine to produce 7 to 10 percent added power.

CAREFUL DESIGN of the EMPI Extractor Exhaust Systems have made for easy, compact, snug-fitting installations, using original muffler clamps. The installations leave no unsightly pipes or other hardware dangling beneath vehicles. Types available for late model VW's with new style heater.

EXTRACTOR EXHAUST THEORY

Writes engineer-author Roger Huntington in the September 1964 issue of American Rodding: "It has been known for many years that the length and diameter of an exhaust pipe serving a single cylinder has a substantial effect on the horsepower developed by that cylinder . . . this wasn't just a matter of getting rid of back-pressure . . . a suction effect working here was literally drawing the waste gas out of the cylinder — and even helping to draw fresh mixture in during the valve overlap period."

- **INCREASES POWER** — 7 to 10 percent power boost at Volkswagen rear wheels is achieved by EMPI's new exhaust systems which utilize the equal-length pipes design of race cars to obtain low back-pressure extractor effect.
- **COMPLETELY COMPATIBLE** — Varied models provide a system for every VW. Work perfectly with new and old-style heaters.
- **PERFECT-FIT INSTALLATION** — Models designed to fit perfectly on the various sedans, trucks, wagons, Ghias. Installations leave no low-hanging pipes to decrease vehicle's ground clearance.
- **Convertible System** — Use with glasspacked muffler for street use. Substitute straight-through "stinger" pipe for racing.
- **QUALITY-MADE** — Designed for the VW owner who wants the ultimate in a low back-presure exhaust system, the EMPI Grand Prix Exhaust System employs the equal-length pipes design of Grand Prix race cars.

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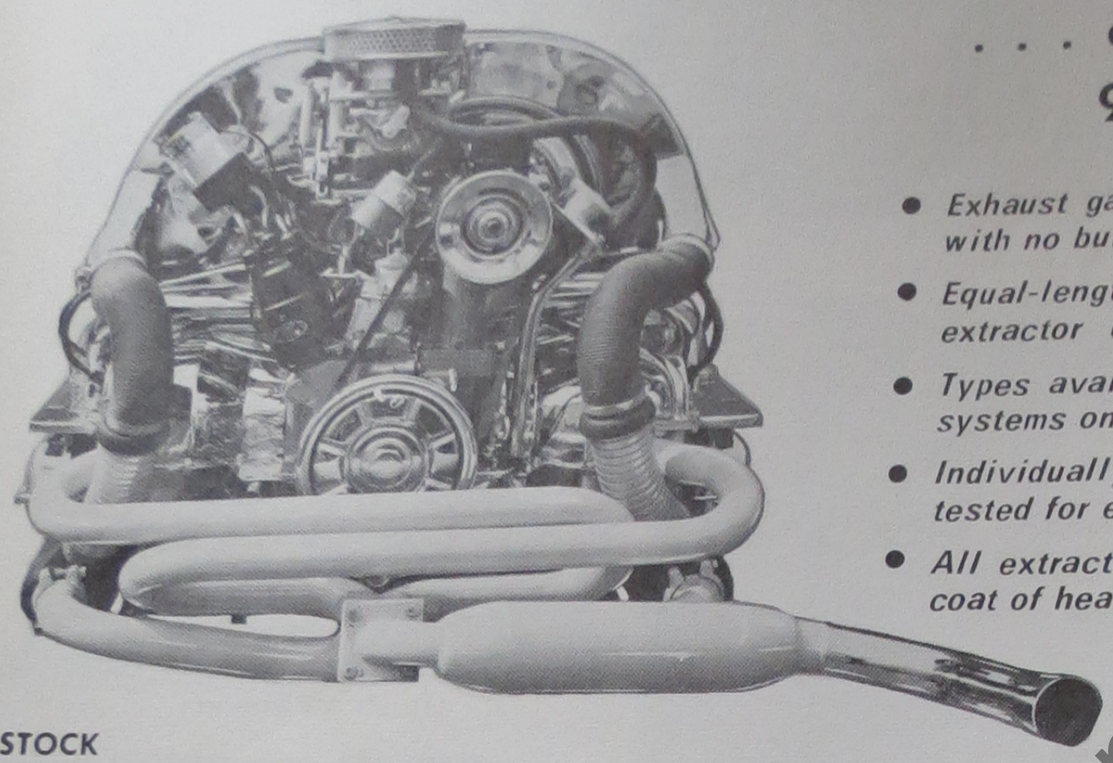
GRAND PRIX • DYNO TUNED

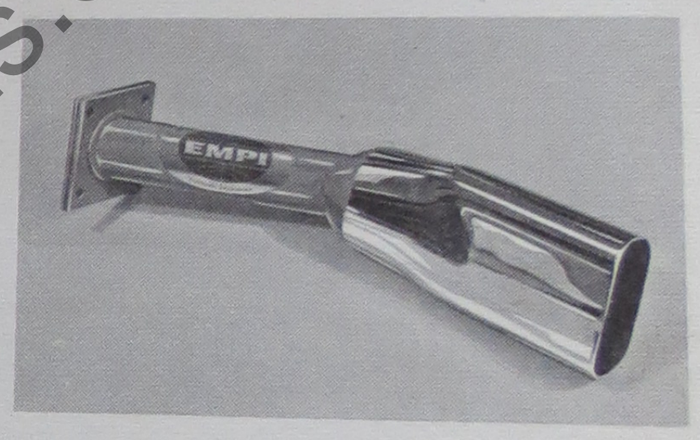
EMPI EXTRACTOR EXHAUST SYSTEMS

to fit all VW, Ghia & Transporter models...

. . . and all push rod & 912 model Porsches



- *Exhaust gases escape freely, in firing sequence . . . with no build-up of power-robbing back pressure.*
- *Equal-length pipes design gives the high-efficiency extractor effect used in race-car exhaust systems.*
- *Types available to fit both new and old style heater systems on VW and Karmann-Ghia.*
- *Individually engineered, scaled, computed and track-tested for each model VW, Ghia and Porsche.*
- *All extractor exhaust systems are protected with one coat of heat-proof paint.*



STOCK NUMBER	MAKE	MODEL and YEAR
XEMP-110	Porsche	all push-rod models '60-'65
XEMP-111	Porsche	912
XEMT-119	Exhaust System,	200 series trucks & transporters, 1968 only
XEMT-120	1500cc	trucks & wagons
XEMT-121	VW & Ghia	1500 & 1300 engines (type I) '66 & 1967
XEMT-123	1200 (40 hp)	Transporters (state year)
XEMT-124	36 hp	Transporters
XEMT-125	Extractor Exhaust System for '68 VW (1500cc)	Sedan, Sunroof, and Convertible
XEMV-130	VW 40 hp	late '63-'65 (Fresh air heater)
XEMV-131	VW 40 hp	late '61-early '63 (Old style heater)
XEMV-132	VW 36 hp	
XEMW-150	'63-'65 1500 Sedan & Squareback, '66-'67 1600	Squareback & Fastback
XEMW-152	Exhaust System, 1600cc engines (type III),	1968 only
XSPX-140/1	"Stinger" Straight Thru Pipe (Specify for	which model muffler)
XSPX-140/2	"Stinger" Straight Thru Pipe for Porsche	only
SXS-470	Sportster Exhaust System (Fits 40 hp VW engine	only)
SXS-471	Sportster Exhaust System (For 1500/1600 flat VW	engine)

REPLACEMENT EXTRACTOR TYPE MUFFLERS ONLY (with chrome tail pipe)
VW Sedans, Ghias, Transporters
VW 1500-S flat, 1600
Porsche

State make & model when ordering

THE CONVERTIBLE "STINGER" PIPE

The convertibility feature of the Extractor Exhausts will appeal to VW owners interested in race and gymkhana-type activities. For ordinary use the Extractor systems feed through a glass-packed muffler, which gives adequate noise suppression for legal street use without developing back pressure. For competition activities requiring maximum power output, the muffler may be quickly unbolted and replaced by a straight Stinger Pipe, for an additional power gain. Conversion requires only a few minutes.

NEW! SPEREX 1200° F COATING IN 12 oz. FLAME-PROOF AEROSOL CANS

Available in following colors: White, Black, Beige, Gray, Gold, Silver, Bronze, Yellow, Red, Blue, Green, Brown, Turquoise, Orange, Clear, Pearlescent, Aluminum, Primer.

THPX-260 Sperex Flame-Proof Coating, 12 oz. aerosol can



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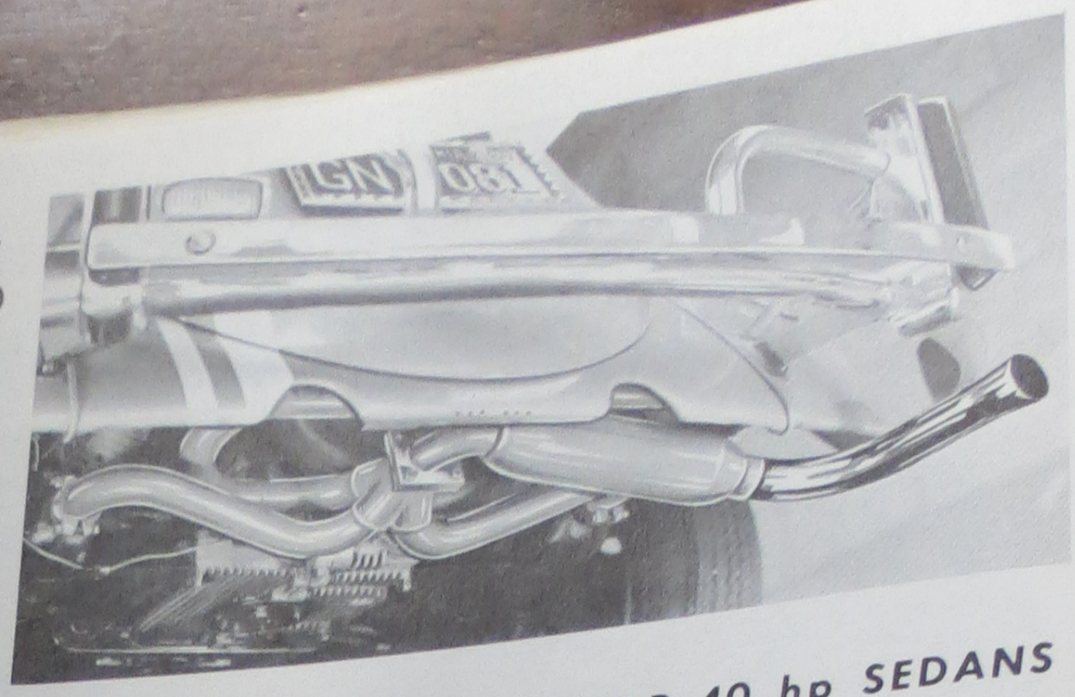
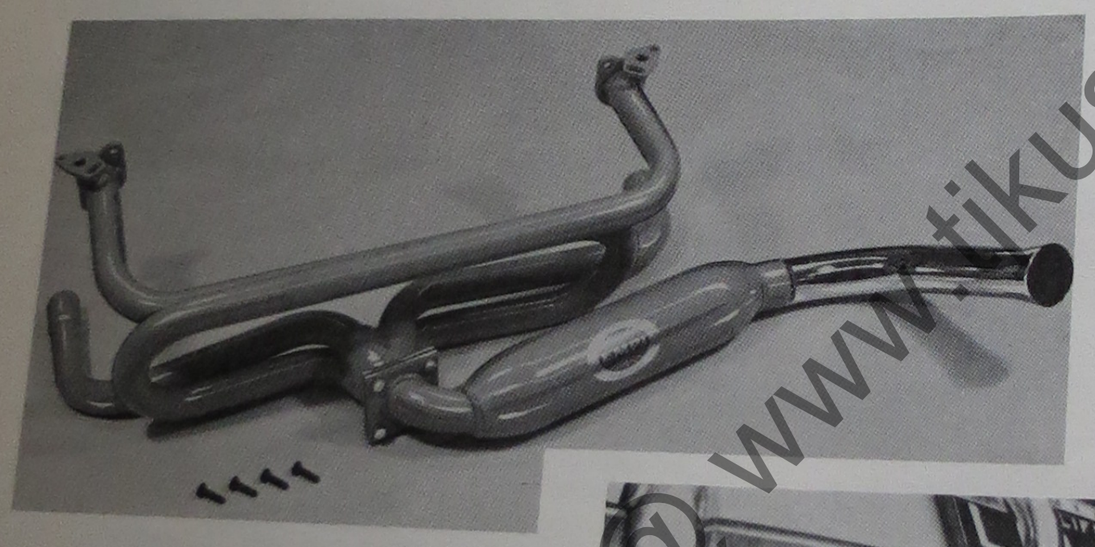
EMPI GRAND PRIX DYNO TUNED

EXTRACTOR EXHAUST SYSTEMS...



...FOR ALL VW'S and GHIA'S





FOR 40 hp SEDANS

The perfect exhaust system for the most popular VW's. Engineered for a perfect fit.

XEMV-130 40 hp late 1963-1965 (fresh air heater)

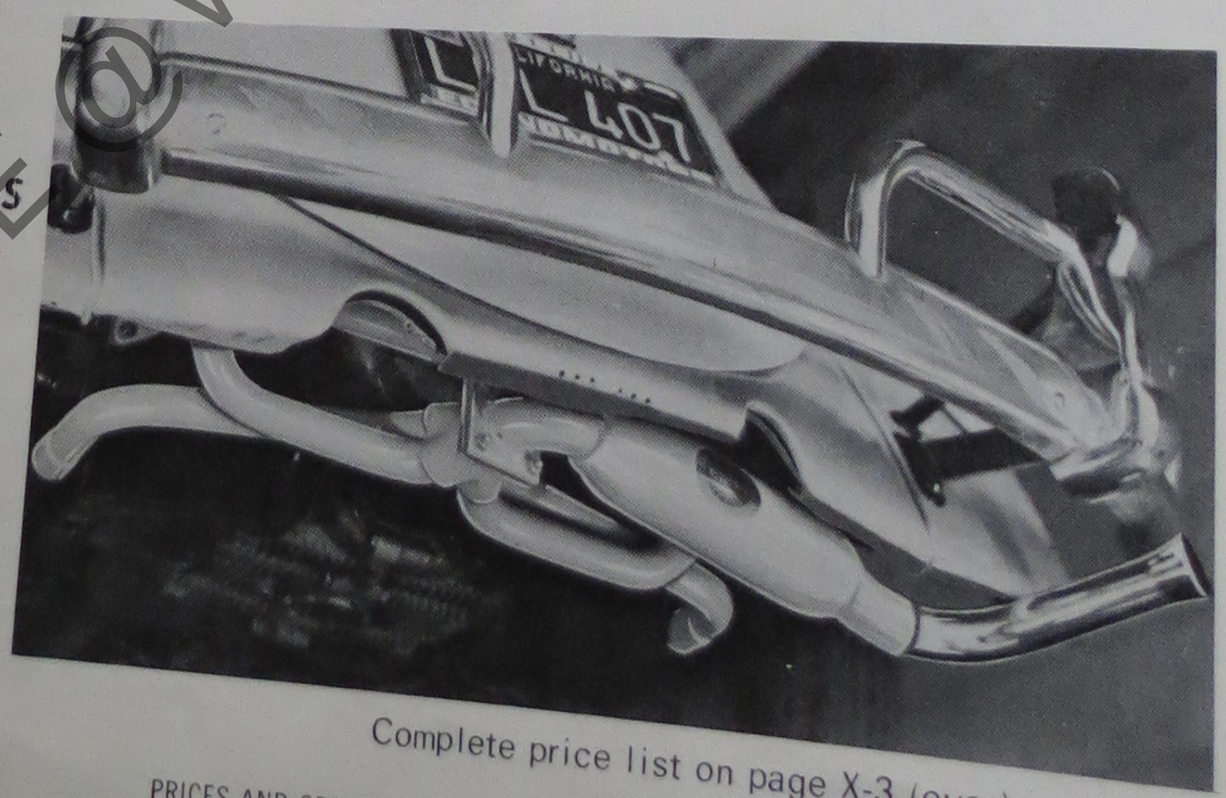
XEMV-131 40 hp 1961-early 1963 (old style heater)

Make any 36 or 40 hp engine run better.. cooler ...last longer.

FOR OLDER 36 hp SEDANS

Rejuvenate your "old-reliable" with a free-breathing EMPI Extractor Exhaust System. Add many trouble-free miles, along with better performance.

XEMV-132 Extractor Muffler



Complete price list on page X-3 (over)

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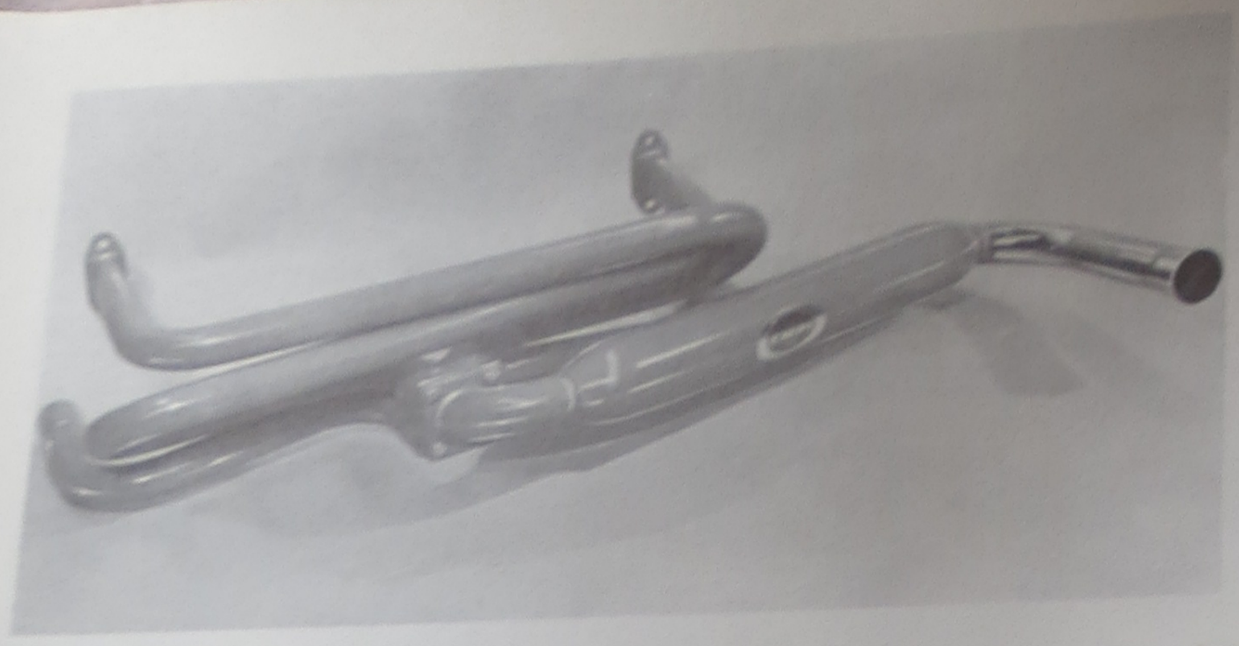

Grand Prix EXTRACTOR Exhaust System for PORSCHE

FITS ALL PUSH-ROD MODEL PORSCHES, up to and including the '65s. Porsche owners who recognize quality at a bargain price will really go for the EMPI Extractor Exhaust . . . properly engineered and carefully fitted to enhance the sound, appearance and performance of this deluxe automobile. It's easy to install . . . fits exactly . . . maintains ground clearance.

XEMP-110 Exhaust System, Porsche 356 series (pushrod models)

NEW! PORSCHE 912 EXTRACTOR EXHAUST

A truly superior exhaust system especially engineered to fit exactly the new Porsche 912. Maintains ground clearance – easy to install. High-efficiency extractor effect will boost performance even of this great car – a "must" item for all 912 owners.

XEMP-111 Exhaust System, Porsche 912 only



GOOD LOOKING . . . DEEP TONED . . . SNUG FITTING

FOR 1500 cc CONVERSIONS

For less than a fifty dollar bill you can get that extra 7 to 10% power increase . . . and have a cooler running engine to boot.

EMPI Grand Prix Extractor Exhaust Systems are made to fit 1200 VW's and Ghias which have the big 1500 cc truck engine.

XEMT-121 Exhaust System, VW & Ghia 1500 & 1300 engines (type I) 1966 & 1967



GRAND PRIX EXTRACTOR EXHAUST SYSTEMS FOR SQUARE-AND FASTBACK VWs

Precision engineered and carefully fitted – maintains ground clearance. Engine runs better – cooler – lasts longer. Increases performance with high-efficiency extractor effect.

XEMW-150 Exhaust System, 1600cc engines (type III), 1967 & earlier **$59.95**

XEMW-152 Exhaust System, 1600cc engines (type III), 1968 only

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EMPI

EMPI *Grand Prix* EXTRACTOR EXHAUST SYSTEMS for TRANSPORTERS

MORE POWER . . . FOR PASSING AND PULLING WITH HEAVY LOADS . . . ON HILLS.

Equip your wagon or truck with the EMPI Grand Prix Extractor Exhaust System and relax on your next trip. The engine runs cooler, performs better, with up to 10% boost in power after re-tuning. It's common-sense engine insurance, for increased life, less repair and breakdown time. There's no sacrifice in ground clearance with the EMPI Exhaust System . . . its designed to fit . . . easy to install.

XEMT-119 Exhaust System, 200 series Trucks & Transporters, 1968 only

XEMT-120 Exhaust System, 200 series Trucks & Transporters, w 1500 engine, 1967 & earlier

XEMT-123 Exhaust System, 40 hp Truck–Transporter–Bus, (type II vehicles)

XEMT-124 Exhaust System, 36 hp Truck–Transporter–Bus, (type II vehicles)



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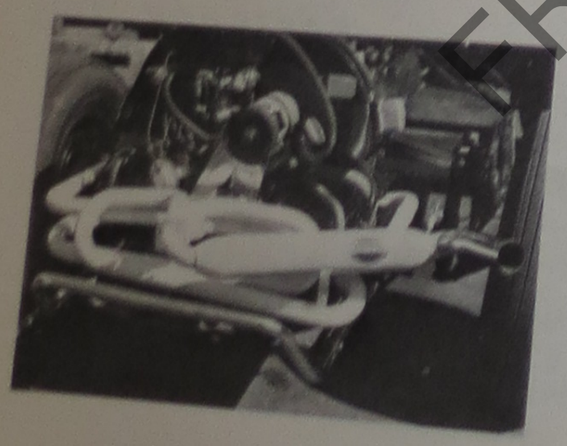

EMPI-IMP, SPORTSTER EXHAUST SYSTEM

will fit all VW powered dune buggies

with extra high clearance. The EMPI Grand Prix Extractor Muffler has high ground clearance, specially designed for the EMPI Imp-Sportster and all Dune Buggies.

SXS-470 Hi-Clearance Extractor Exhaust System, for 40 hp VW engines

SXS-471 Hi-Clearance Extractor Exhaust System, for 1300–1500cc sedan & truck engines

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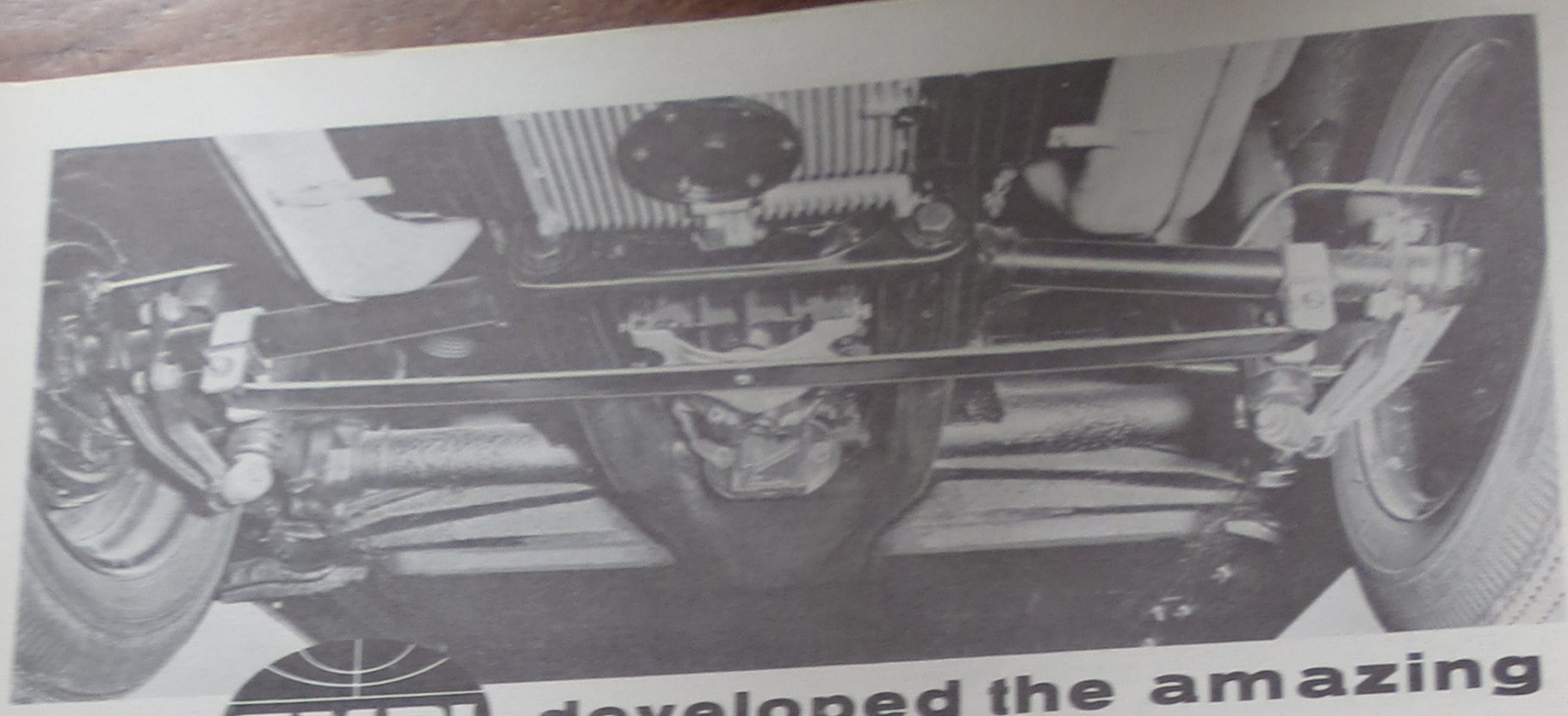


Why EMPI developed the amazing

Camber Compensator® REAR STABILIZER BAR Trade Mark

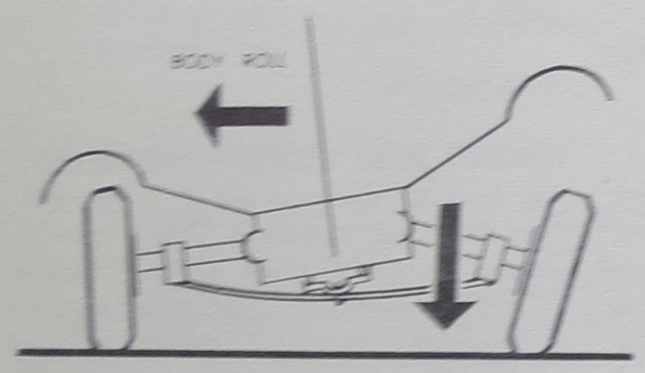


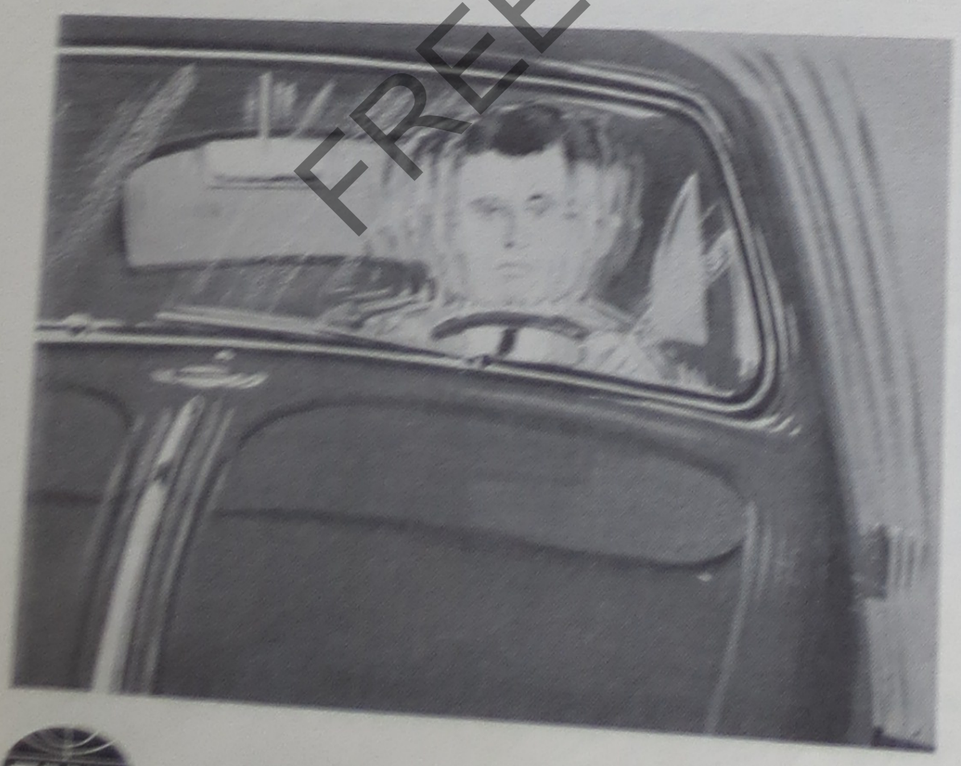
Diagram above shows how the Camber Compensator holds the inner wheel on the road, minimizing the lifting effect from sway and body roll.

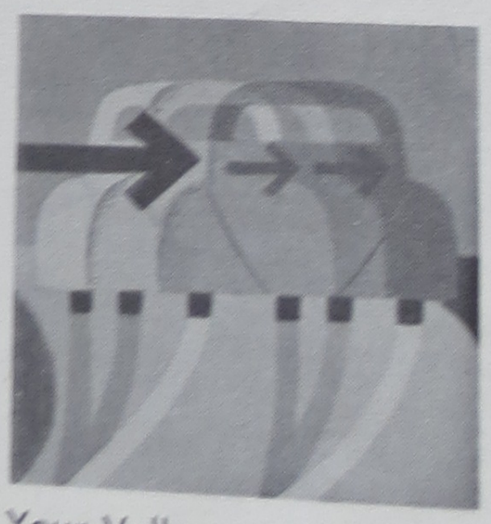
Prices and Details on Following Pages

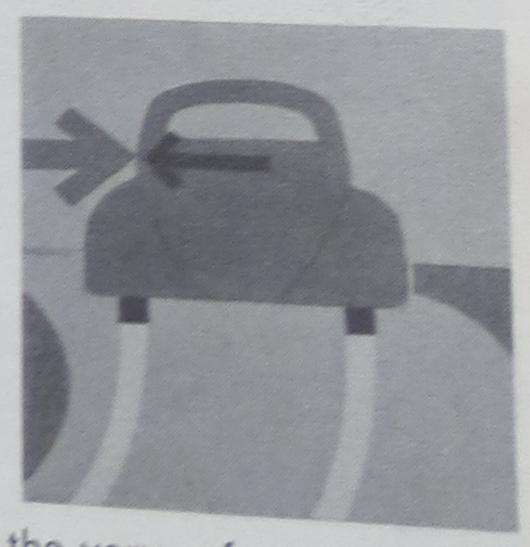
All automobiles have the problem of WEIGHT TRANSFER, whether they have rigid or independent rear suspension. This usually takes the form of LIFTING OF THE REAR INSIDE WHEEL when cornering. With swing-axle rear suspension, the resulting SIDEWAYS HOPPING causes TUCKING UNDER OF THE OUTSIDE WHEEL, seriously reducing control.

The EMPI Camber Compensator Rear Stabilizer Bar KEEPS THE INNER WHEEL FROM LIFTING OFF THE GROUND when cornering . . . distributes the weight to prevent tucking under of the outside wheel. This results in improved ride, better cornering and road holding.

The EMPI Camber Compensator Rear Stabilizer Bar lowers the roll center, thereby improving the stability and traction in turns and over rough roads. It produces a most impressive improvement in the handling characteristics of the Volkswagen by compensating for dangerous oversteer at higher speeds, thus improving safety. You will have to try it to fully appreciate the vast difference in the handling and "road feel" you get with the EMPI Camber Compensator installed in the rear suspension of your VW.







Your Volkswagen is one of the very safest cars in the whole world and now the **feeling** of safety and the real safety at highest speeds, over roughest roads and in severe cross winds is improved by adding an EMPI Camber Compensator.

(Continued On Next Page)

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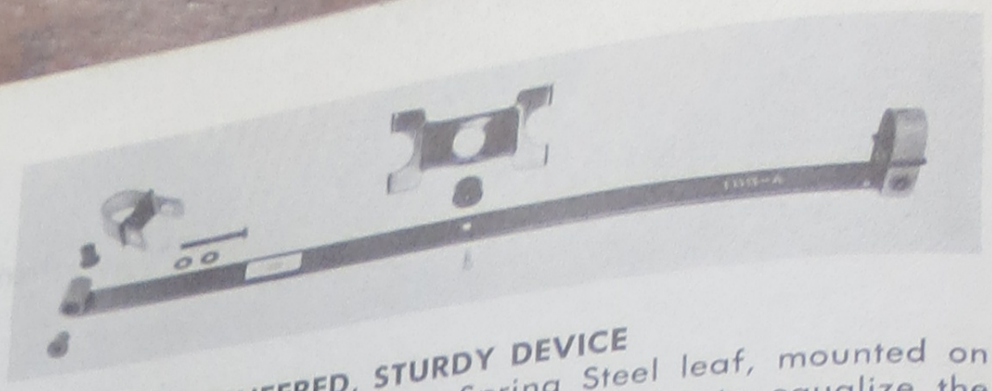
EMPI Camber Compensator®

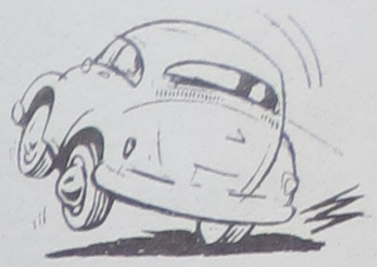
REAR STABILIZER BAR



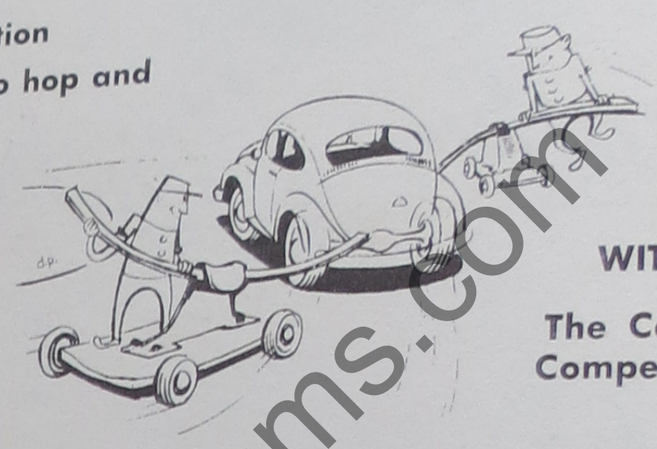
A SIMPLE, WELL ENGINEERED, STURDY DEVICE consisting of a Chrome Vanadium Spring Steel leaf, mounted on the transmission case, with stirrups on the axles to equalize the uneven side load.
Various models are made to fit all VW's and many foreign and domestic automobiles with independent rear wheel suspension.

An engineered safety device...

- REDUCES BODY ROLL by lowering the roll center
- PREVENTS WHEEL LIFTING . . . distributes body weight
- IMPROVES STEERING RESPONSE . . . no delay due to roll action
- CONTROLS CROSS-WIND BUFFETING . . . Reduces tendency to hop and tuck wheels under.
- LESSENS CORNER LEAN AND SWAY . . . Passengers needn't "brace" for corners.
- STABILIZES IN SLIP-STREAM BLASTS
- IMPROVES RIDE AND COMFORT.
- PROMOTES HIGHWAY SAFETY.



WITHOUT



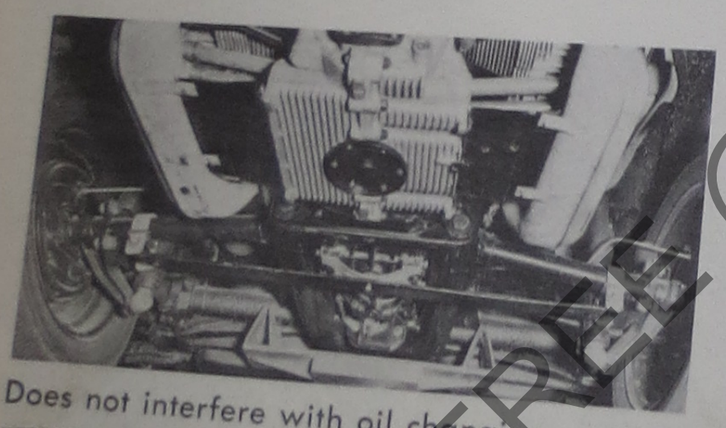
WITH

The Camber Compensator

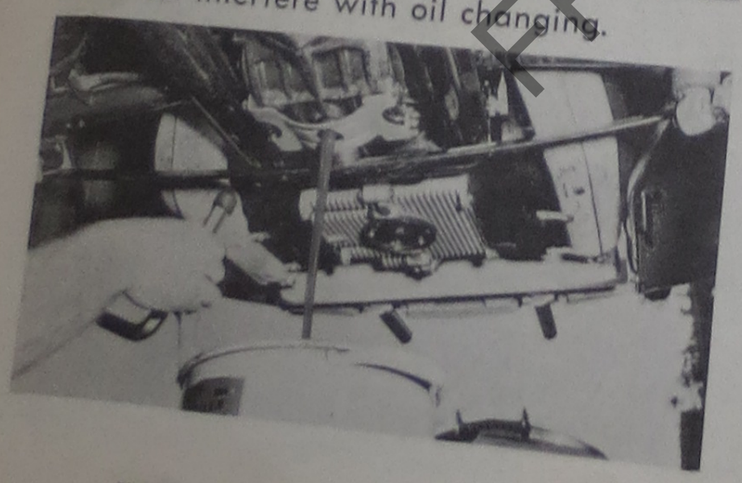
Major Motor Car Manufactures Use Camber Compensator Principle
Many models of major automobile manufactures with independent rear suspension have been equipped with a modified version of the EMPI Camber Compensator Rear Stabilizer Bar, . . . a convincing testimonial of its merit.

LONG LIFE . . . TROUBLE FREE
Extra strong and durable, made of the best available material to last for years. Rust resistant Chrome Vanadium steel . . . smog and weather resistant molded rubber fittings. Fits accurately, won't rattle.

EASILY AND QUICKLY INSTALLED
A few minutes is all it takes, following the detailed EMPI instructions packed with each Camber Compensator . . . no special tools required. Your EMPI dealer will put one on in a jiffy next time you come in.



Does not interfere with oil changing.



NUMBER	FITS THESE CARS
HCCX-100	'61-'66 VW & Ghia 1200-1300 series (type I vehicles) and 1500 "Notchback" VW sedan (type III)
HCCX-101	'57-'60 VW & Ghia 1200 series sedan (type I vehicles)
HCCX-102	'54-'56 VW & Ghia 1200 series sedan (type I vehicles)
HCCT-110	1967-1968 VW & Ghia sedan, sunroofs, conv. (1500cc type I vehicles), '65-'68 trucks-transporters-buses (type II vehicles), and 1500 series Variants
HCCT-111	Late '59-'64 VW truck-transporter-bus
HCCT-112	'57-early '59 VW trucks-transporters-bus
HCCT-113	'53-'56 VW truck-transporter-bus
HCCP-120	'65 Porsche
HCCP-121	'62-'64 Porsche
HCCP-122	'57-'61 Porsche (bracket tunnel-type trans)
HCCP-123	'56-'57 Porsche (2-5/8" bracket)
HCCP-124	'54-'56 Porsche (3-3/8" bracket)
HCCX-125	Triumph Spitfire
HCCW-130	All 1600 series (type III) VW Fastbacks & Squarebacks
HCCA-140	1968 Automatic Stick Shift VW Sedan (type I)

Please state MAKE, MODEL, YEAR, when ordering.
EMPI Racing Suspension Kits are shown on page H-6.

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TRACK-TRU Front ANTI-SWAY BAR

(Also called "Anti-roll" bar)

TRADE MARK

QUICKLY INSTALLED --- NO SPECIAL TOOLS REQUIRED!

- *Controls VW's In Cross Winds And Slip-Stream Blasts.*
- *Lessens Dangerous Body Roll*
- *Minimizes Cornering Lean*
- *Improves Steering Response*
- *Reduces Road Wander*
- *Helps Retain Wheel Alignment*
- *Reduces Tire Wear*
- *Adds To Riding Comfort*

EMPI's Track-Tru Front Anti-Sway Bars are designed to improve the road-holding, body-roll, and steering characteristics of various Volkswagen models by a simple modification of the front suspension.

With Track-Tru Front Anti-Sway Bar installed, the lessened body roll of the Volkswagen sedan is strikingly evident. This in turn improves handling in several ways: steering response is more positive, wheel-lifting in hard cornering maneuvers is eliminated, and a better balance between over and under-steer is achieved. Important indirect benefits of a Track-Tru Front Anti-Sway Bar installation include greater safety and a more pleasant ride for driver and passenger, who no longer need brace themselves against body roll of each corner. Faster yet safer speeds can be maintained with less driving effort, ideal for hard cornering, racing and rallying, and for everyday use on any road.

EMPI offers its TRACK-TRU Front Anti-Sway Bar as a **heavy duty** replacement for the factory installed bars, and as a safety accessory you can quickly install on the older models.

EMPI designed . . . with your safety in mind!



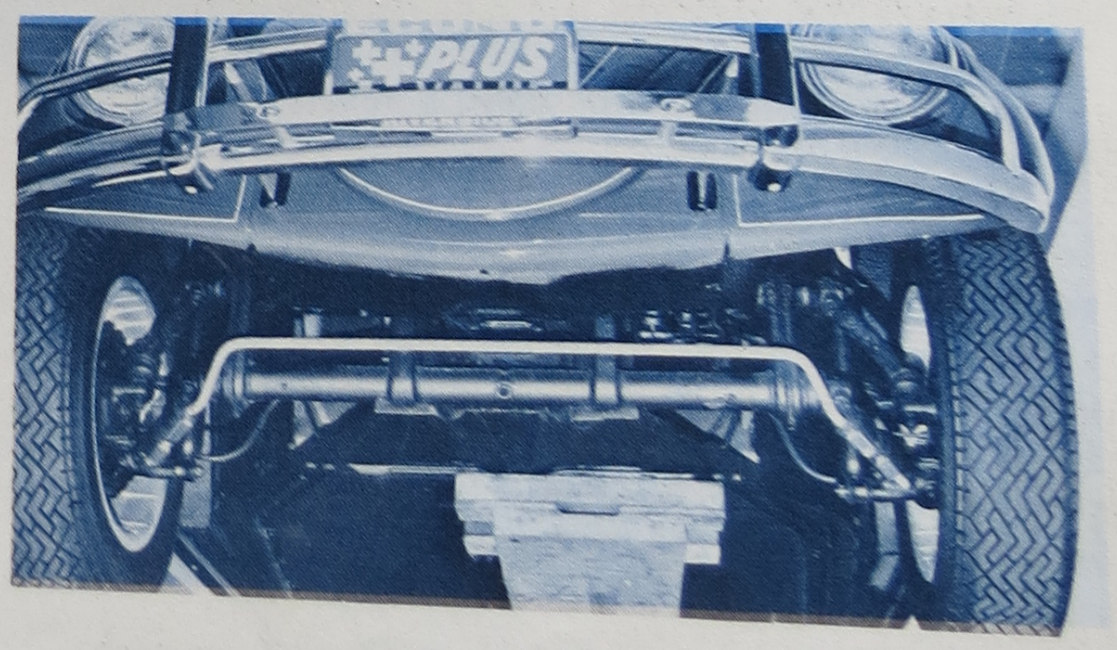
Dangerous corner lean and side sway without EMPI's Track-Tru Front Anti-Sway Bar.

EMPI's new improved Track-Tru Front Anti-Sway Bar, made of 5/8" chrome-vanadium steel to withstand the roughest driving techniques, gives a remarkable improvement in handling under all sorts of highway conditions. On rough roads, in tight cornering and with cross winds, the EMPI Track-Tru Front Anti-Sway Bar is indispensable.

HTTV-161 All 1200 series VW & Ghia (type I), up thru 1965.
HTTV-162 Super Heavy Duty Racing model, for all 1200 series VW & Ghia (type I), up thru 1965.

HTTV-163 All 1300, 1500 series VW & Ghia (type I), 1966 & later.
HTTV-164 Super Heavy Duty Racing model, for all 1300, 1500 series VW & Ghia (type I), 1966 & later

HTTW-165 All 1600cc Fastback & Squarebacks (type III).
104T For Corvair Greenbriars, Corvans, Rampsides (95 series) through 1965.



Excellent as replacement of stock bar on late model sedans

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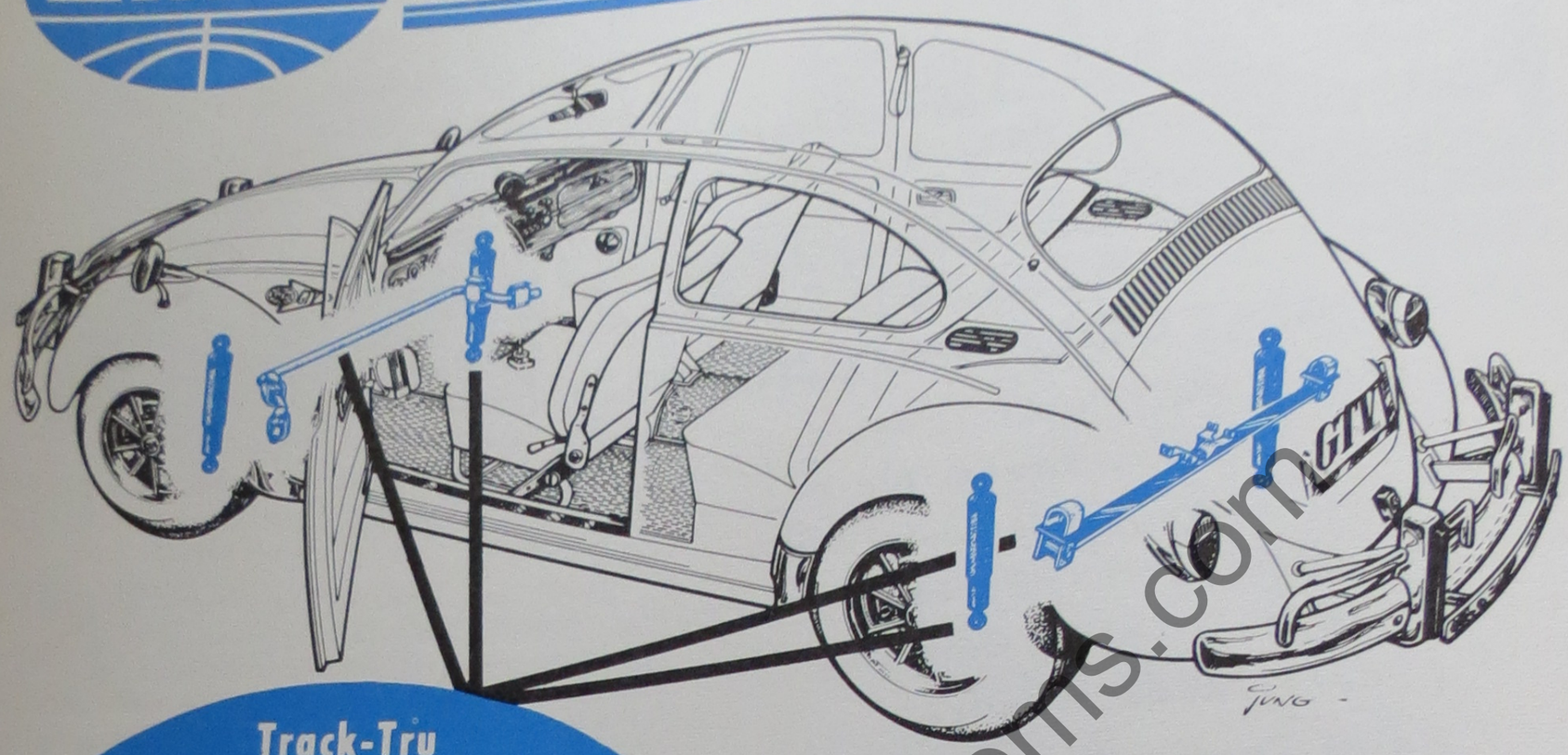
COMPLETE PERFORMANCE CONTROL WITH THE RACING SUSPENSION KIT



Track-Tru
FRONT ANTI-SWAY BAR

HEAVY DUTY SHOCK ABSORBERS

Camber Compensator
REAR STABILIZER BAR

SAFETY, COMFORT, PERFORMANCE CONTROL

See your dealer . . . test drive the EMPI "Triple-Control Package" . . . be convinced!

Improve the stability and road-holding characteristics of your VW, add SAFETY and COMFORT for you and your family with EMPI's fabulous STABILIZATION PACKAGE.

ELIMINATE COMPLETELY, at all speeds, bounce on rough spots, difficulty to hold car on course in hard winds, bad lean and feeling of instability on corners, windblast from big on-coming trucks, and a feeling of over-steer with the EMPI STABILIZATION PACKAGE – The Camber Compensator Rear Stabilizer Bar, Track-Tru Front Anti-Sway Bar, and Heavy Duty shock absorbers.

A vast improvement will be noted by taking each step, and the complete package gives an unbelievable improvement. You corner without excessive lean or a feeling of loss of control; you maintain speed in gusty winds without fighting the wheel; you go over the roughest spots without pitching and tossing; the blast from big trucks does not run you off the road; you go through dips in contact with the road . . . altogether, you feel as though you were "on rails".

HRSX-370 EMPI Racing Suspension Kit, for 1967 & 1968 VW & Ghia 1500 series sedan, sunroof, conv. (type I)

HRSX-371 EMPI Racing Suspension Kit, for 1966 VW & Ghia 1300 series sedan, sunroof, conv. (type I)

HRSX-372 EMPI Racing Suspension Kit, for 1961–1965 VW & Ghia 1200 series sedan, sunroof, conv. (type I)

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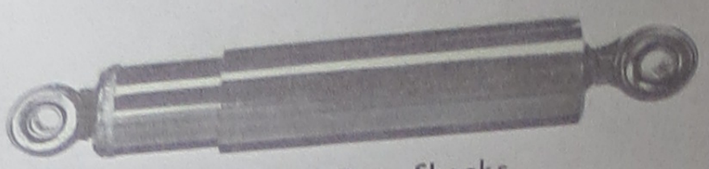
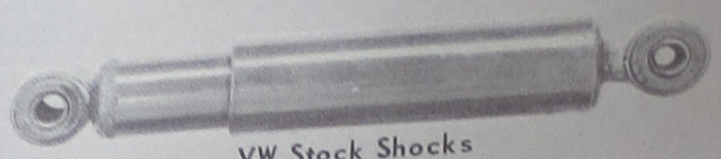
ONTROL

N KIT





EMPI Heavy Duty Shocks



VW Stock Shocks

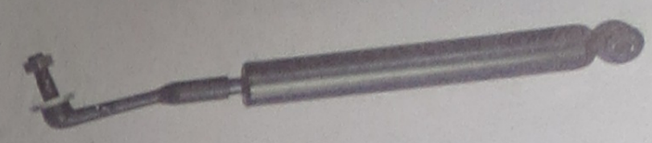
Famous EMPI HEAVY DUTY SHOCKS

- **Recommended by automotive experts.**
- **Heavy-duty design — pistons larger than stock VW shocks.**
- **Provide improved stability for added safety.**

Endorsed by writer OCee Ritch in the "High Speed Handling" chapter of VOLKSWAGEN HANDBOOK, the authoritative book by the editors of Hot Rod magazine.

EMPI shock absorber design provides better dampening of oscillating unsprung weight, less lean and sway in high-speed turns, and longer shock life. Piston is 5 mm larger in diameter than piston of stock VW shocks.

HSAV-130 EMPI H. D. Shocks, 1200 VW, front
HSAV-134 EMPI H. D. Shocks, 1300 & 1500 Type I Sedan, front
HSAV-135 Shock Absorber, Racing H. D. VW 1200. 1300, & 1500 (type I) rear



EMPI STEERING DAMPENERS
for late model VW's

- **Exact replacement** — Fits all 1961 and later Volkswagen passenger cars.
- **Inexpensive** — Note EMPI's new, low price.

Regain new car feel and comfort. Drive safely, with less fatigue.

HSDV-150 EMPI Steering Dampener, 1200, 1300, & 1500 Type I Sedan

HSDV-151 Steering Dampener, VW 1300, 1500 Type I





REAR AXLE BOOT with built-in zipper

- **Quicker and easier to install**
- **Withstands temperature extremes**
- **Withstands corrosive action of exhaust fumes, oil, grease**

EMPI's neoprene zipper axle boot is loved by Volkswagen owners and mechanics — and for good reason!

Tough but flexible neoprene gives it longer life despite flexing, temperature extremes, and the usually corrosive presence of exhaust gases, oils, and greases.

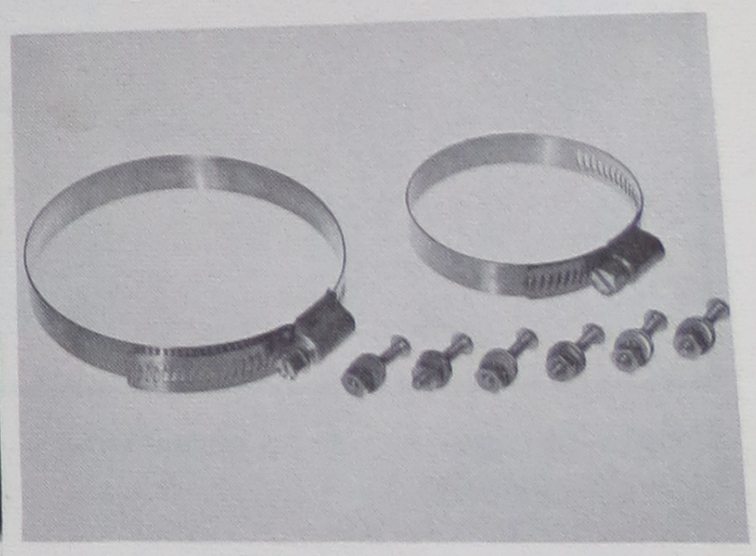
Zipper closure cuts installation time in half. No more fumbling with tiny nuts and bolts in cramped quarters beneath car.

One boot model fits all Volkswagen and Porsches.

HZBV-170 Zipper Boots

HVBV-171 Vinyl Axle Boot, without zipper

Complete Clamping Kit



AXLE BOOT CLAMP KIT
With Quick-Connector Clamps

- **Special clamps** speed axle-boot installation.
- **Handy packaging** — all parts included for clamping one boot.

One package with all parts needed to replace a stock VW rear axle boot: one large, one small aviation-type clamp, six bolts, six nuts, 12 washers.

Axle Boot Clamps are of special worm-drive type which do a fast, tight job of securing ends of boot.

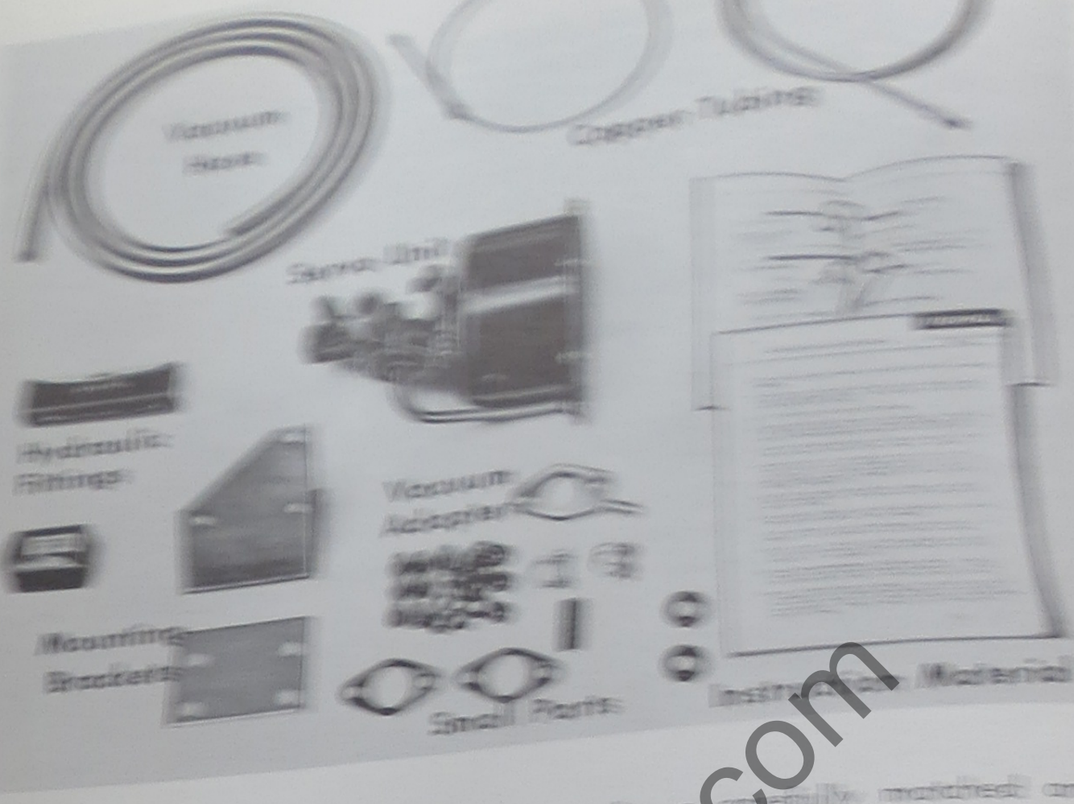
HBCV-180 Axle Boot Clamp Kit

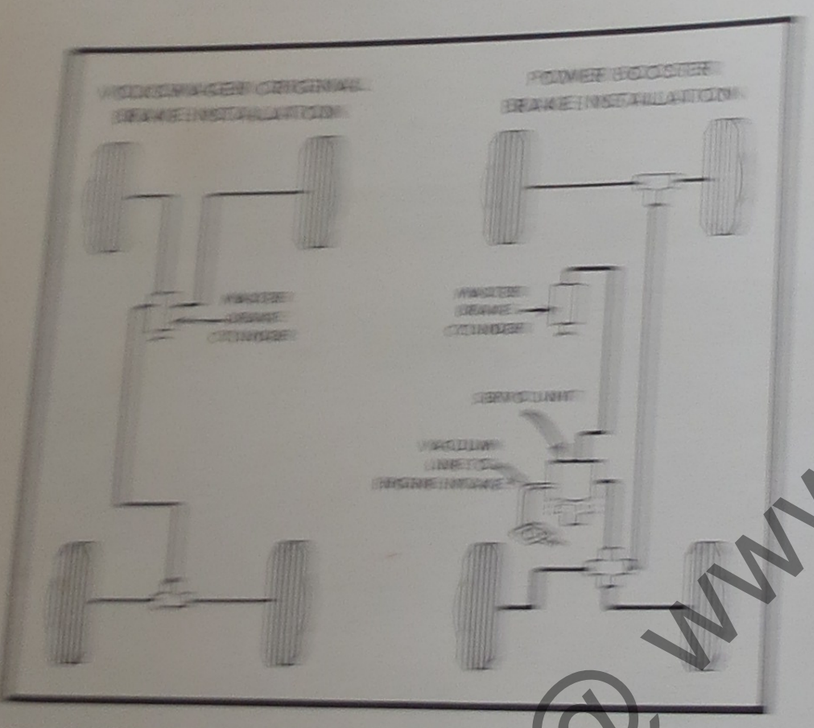
FREE @ www.jkustoms.com

EMPI'S

POWER BRAKE Conversion KIT

- "ADDED SAFETY" — Quick, smooth brake response to light pedal touch. Gives even the novice all vacuum-driven fail-safe features of Volkswagen brakes.
- LESS DRIVING FATIGUE — In heavy stop-and-go traffic.
- PROVEN PRINCIPLE — Uses vacuum-operated servo—popular on U.S. cars.
- ECONOMICAL — Uses many stock VW brake-system components intact.





Simple change . . . Easy installation . . . for all 1200 series passenger cars.

Power-assisted brakes and their many advantages now are available to owners of Volkswagen 1200 Series passenger cars, equipped with EMPI's new Power-Brake Conversion Kit.

Following easy installation of the EMPI kit, brakes respond quickly, smoothly, and firmly to light pedal pressure. No need to tromp hard on the brake pedal! By actual test, **finger-tip pressure** has activated the EMPI-modified brake system.

Advantages:

—Drivers will experience less fatigue, especially in heavy stop-and-go traffic.

—Frail women and handicapped persons with impaired leg strength have full brake control, even when a quick emergency, or panic, stop is required.

COMPLETE KIT — Includes all carefully matched and finished set of Girling-made components. Heart of the conversion is the servo unit, which connects via vacuum hose to vacuum adapter installed beneath VW carburetor. Copper tubing links servo to brake cylinders.

HOW IT WORKS

Heart of the EMPI Power-Brake System is a servo unit manufactured by Girling, famous British builder of automotive brake and suspension components. The servo device, installed in normally wasted space beneath the VW's rear seat, serves as a hydraulic pressure amplifier for the brake system. (See diagrams.)

Pressure on the brake pedal activates the VW master cylinder, which feeds hydraulic pressure to the servo's input. An amplified hydraulic pressure then is distributed to the wheel cylinders actuating the brakes at each of the four wheels. The force required to augment the driver's effort is obtained from the engine via the vacuum connection between the servo and intake manifold.

Conservative in design, the EMPI system is not unlike those used in several popular late-model U.S. cars. In common with them, the EMPI system incorporates an important fail-safe feature. If the engine is not operating, or if the servo should fail, the brakes operate under normal pedal pressure.

To keep the price reasonable, the EMPI system utilizes some of the original hydraulic lines and fittings of the VW brake system, plus VW master and wheel cylinders, intact. The EMPI conversion kit includes all additional components needed: servo unit, hydraulic and vacuum lines, mounting brackets, Girling fittings, gaskets, small parts, plus easy-to-follow illustrated instructions.

HVBV-160 Vacuum Power-Brake Kit

EMPI MEANS PRODUCT INTEGRITY

PRICES AND SPECIFICATIONS SUBJECT TO CHANGE

FREE @ www.tjkustoms.com

HIGH QUALITY PRECISION MADE TACHOMETER

The most important instrument for your car — helps locate most favorable shift points — warns against over-revving engine — assists in carburetion and ignition adjustment.

To race and competition drivers, an accurate tach is a more important instrument than a speedometer, since in this type of driving a maximum power output in every gear is needed without over-revving the engine.

Assisted by a tachometer, the average driver can operate his car more efficiently, obtaining maximum performance from each gear ratio, and improve gasoline mileage.

EMPI proudly offers this top quality tachometer suitable for use with most cars on the road today.

EMPI precision electric tachometer – guaranteed accurate – meter sealed water and dustproof in plastic case – vibration resistant – highly legible 3" illuminated dial – 270 sweep – 0-8000 calibration – temperature and voltage compensated.

Meter comes installed in high-impact plastic dash mount cowl, with a non-glare black crackle-finish. Easy to install in, on or under dash. Mounting bracket and installation instructions included.

The EMPI tachometer is covered by a 2 year guarantee.

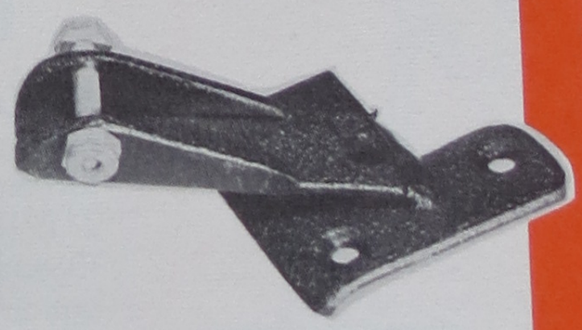
NETX-133 EMPI Tachometer, complete with cowl, 72mm dia. all 4 cyl. cars

NETX-134 EMPI Tachometer, complete with cowl, 72mm dia. all 6 cyl. cars

NETX-135 EMPI Tachometer, complete with cowl, 72mm dia. all 8 cyl. cars



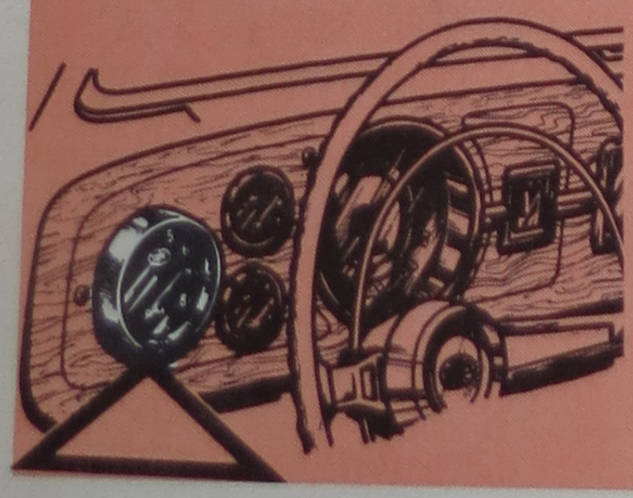
FITS ALL 6 OR 12 VOLT MODELS



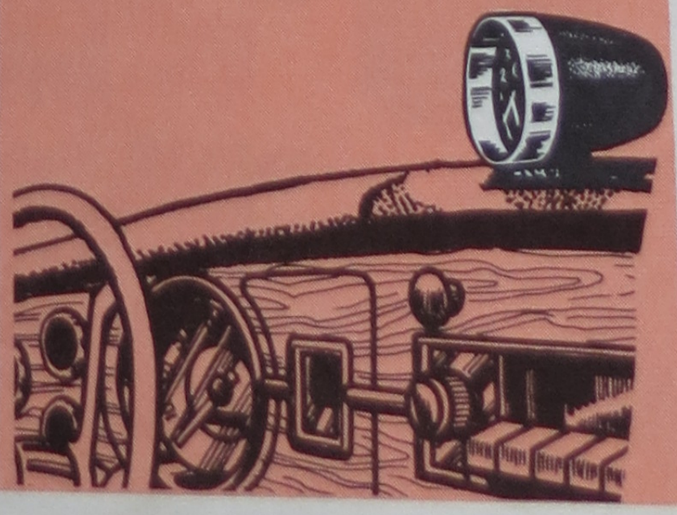
ET-1 Mounting Bracket, for dash-top installation in VW sedan, model 113

FREE © www.tjkustoms.com

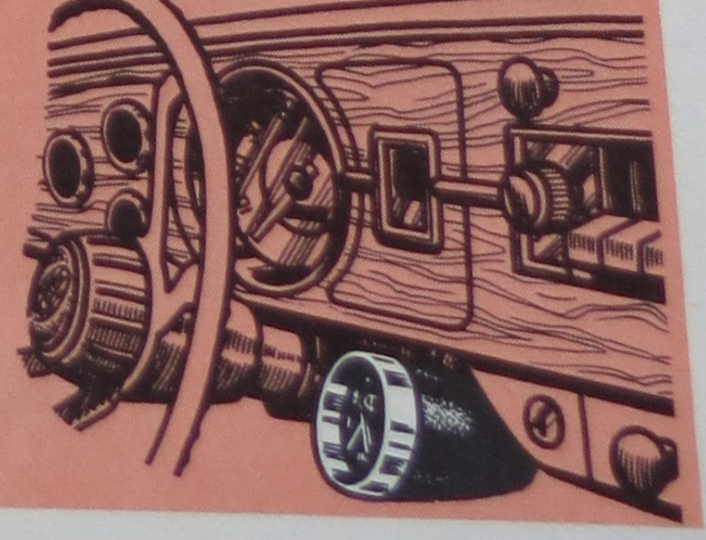
IN-DASH



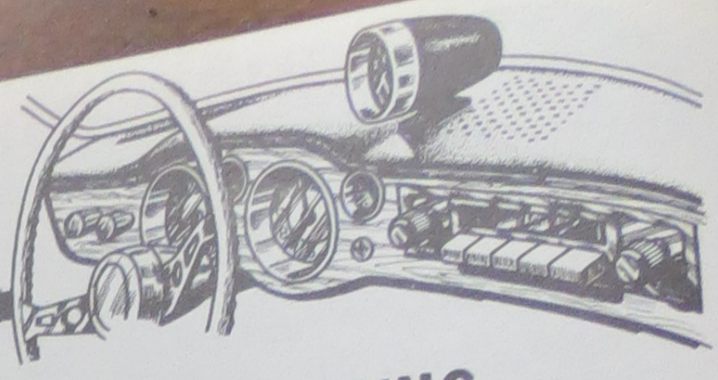
ON-DASH



UNDER-DASH



INSTRUMENTS & ACCESSORIES





EMPI RACING INSTRUMENT KIT

The complete instrumentation package for the serious race or competition driver. Contains EMPI Tachometer, Oil Pressure Gauge, Oil Temperature Gauge, and Ammeter. Available in 6 or 12 volt.

NIKX-250 Racing Instruments Kit, includes EMPI Tach., Oil Press. gauge, Oil Temp. Gauge & Ammeter, specify 6 or 12 volt

MOUNTING BRACKETS

EMPI offers two styles of brackets that will facilitate the mounting of extra instruments in Volkswagen cars and trucks. Each is designed to hold a standard 52mm (2 1/16") instrument case. Sturdy brackets are finished in chrome plating. Buyer may select underdash or steering-column brackets.

NIBX-140 Instrument Bracket, chrome, under-dash mounting,
NIBX-141 Instrument Bracket, chrome, for steering-column mounting,





EMPI INSTRUMENT PANELS

Handsome simulated walnut finished panels are perfect replacements for the stock dash grilles, when using instruments. Left panel has three standard-size (52mm, 2 1/16") holes pre-cut in the metal backing, easily cut through the facing as required. The right panel has a square hole pre-cut in the metal back, for the stock gas gauge.

NRPV-160 Replacement Panel, with simulated walnut panelling, left all 1200, 1300, 1500 VW (type I vehicles), 1967 & earlier. Has 3-52mm holes predrilled

NRPV-161 Replacement Panel, with simulated walnut panelling, right, all 1200, 1300, 1500 VW (type I vehicles). 1967 & earlier. Predrilled for gas gauge.

NRPV-162 Replacement Panel, with simulated walnut panelling, left, for 1968 VW 1500 series (type I). Predrilled for 2-52mm gauges & 1-72mm gauge.

NRPV-163 Replacement Panel, with simulated walnut panelling, right, for 1968 VW 1500 series (type I). Predrilled for 1-52mm gauge & 1-13mm gauge (brake warning light)

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PRICES AND SPECIFICATIONS SUBJECT TO CHANGE

PRECISION OIL GAUGES
and ELECTRICAL INSTRUMENTS

2" illuminated dials
... easily read
day or night

Superior in Quality, Design And Construction

Every good driver knows that over-heated oil loses lubricating qualities – this combined with low oil pressure, will eventually result in serious damage to the engine. It is therefore important to have indicators in the car showing the exact oil temperature and oil pressure at all times the engine is running. Competition drivers and all owners who care for their cars will want these precision quality gauges. Gauges mount readily in panel, brackets, or in 2 1/16" diameter hole in VW dash. Size 2" diameter, 2 1/4" deep (50mm x 56mm).

OIL TEMPERATURE GAUGE

This gauge has an extremely accurate sending unit which screws into the oil pick-up tube in the case, giving true temperature reading. Sending unit stays in place – no wear or tear through handling. Illuminated dial – convex optical glass – precision arc and pinion movement – calibrated from 60-140 degrees centigrade – chrome plated, with polished bezel – easy to install – complete with installation hardware and instructions.

NOTV-152 Oil Temperature Gauge
6 or 12 volt

OIL PRESSURE GAUGE

Sensitive and accurate, this gauge gives the driver confidence that the engine is getting the required amount of oil, whether "full out" or idling. Calibrated from 0-140 lbs. per square inch – illuminated dial – convex optical glass – precision arc and pinion movement – chrome plated, with polished bezel – easy to install – complete with installation hardware and instructions.

NOPV-100 Oil Pressure Gauge 6 or 12 volt

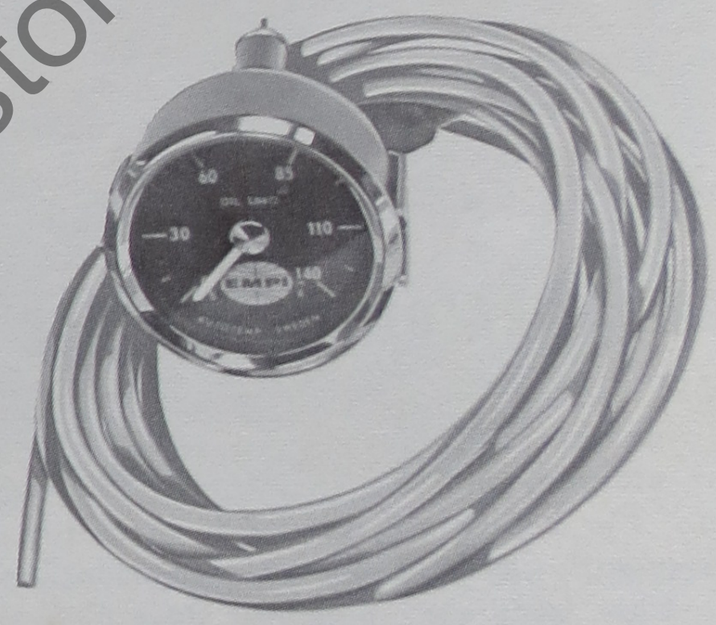
Precision AMMETER

EMPI's precision ammeter gives motorist important information on the functioning of his car's electrical system. Meter mounts readily in panel, brackets, or in 2 1/16" diameter hole in VW dash. 30-0-30 calibration – illuminated dial – convex optical glass – precision arc and pinion movement – chrome plated, with polished bezel – size 2" diameter, 21/4" deep. Complete with installation instructions.

NAMX-101 EMPI Ammeter, 6 or 12 volt



NOTV-152 –
Oil Temperature Gauge
For all 1200, 1300 & 1500
VW sedans, sunroofs,
convertibles,
& Ghias.



NOPV-100 –
Oil Pressure Gauge
For all VW & Ghia models,
except transporters.

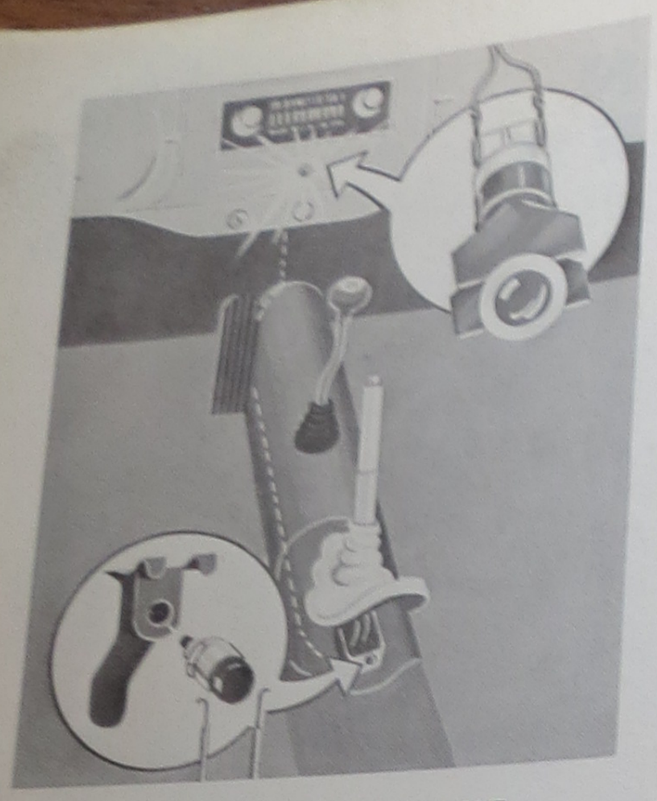


NAMX-101 – Ammeter
For all cars.

with your order be sure to specify 6 or 12 volt

FREE @ www.tjkustoms.com

High Quality
GAUGES and WARNING LIGHTS



BRAKE WARNING LIGHT

Gives immediate warning when parking brake is on. Prevents wearing out of brakes and costly repairs. You will never forget to release the parking brake when the warning light flashes on with the ignition. Easy to install – complete with wiring and installation instructions – fits all VWs, except transporters.

NBLV-110 Brake Warning Light, 6 or 12 volt

EMPI DRAEGER TIRE GAUGE

A "must" accessory for every motorist – changes in tire pressure can affect gas mileage, tire mileage, and the steering and suspension characteristics of your car. For a smoother, safer ride check tire pressure frequently with this precision-made Draeger Gauge. Super accurate – needle "stays put" showing pressure after gauge is removed – button release returns needle to zero. Big, easy-to-read dial, calibrated in both pounds and kilograms. Only gauge with adjustment for barometric pressure variance. Complete with case.

NTGX-180 EMPI Draeger Tire Gauge

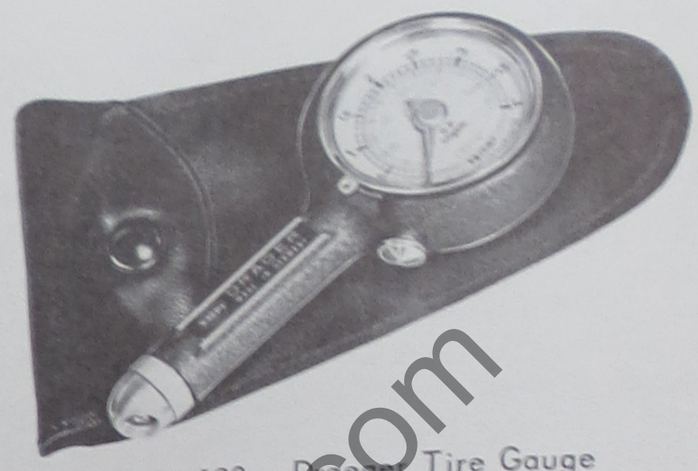
SUPERCHARGER BOOST GAUGE
. . FOR ORDINARY ENGINES, TOO!

Dual scale shows pressure and vacuum on supercharged engine.

Indicates on unsupercharged engines need for tune-up – shows best setting for gas economy.

Calibrated from 0-12 lbs. pressure, and 0-12 lbs. vacuum – sturdy construction, with chrome bezel – standard 2" diameter – comes with tubing and engine fittings – installation instructions included. Vacuum gauge adapter set not included.

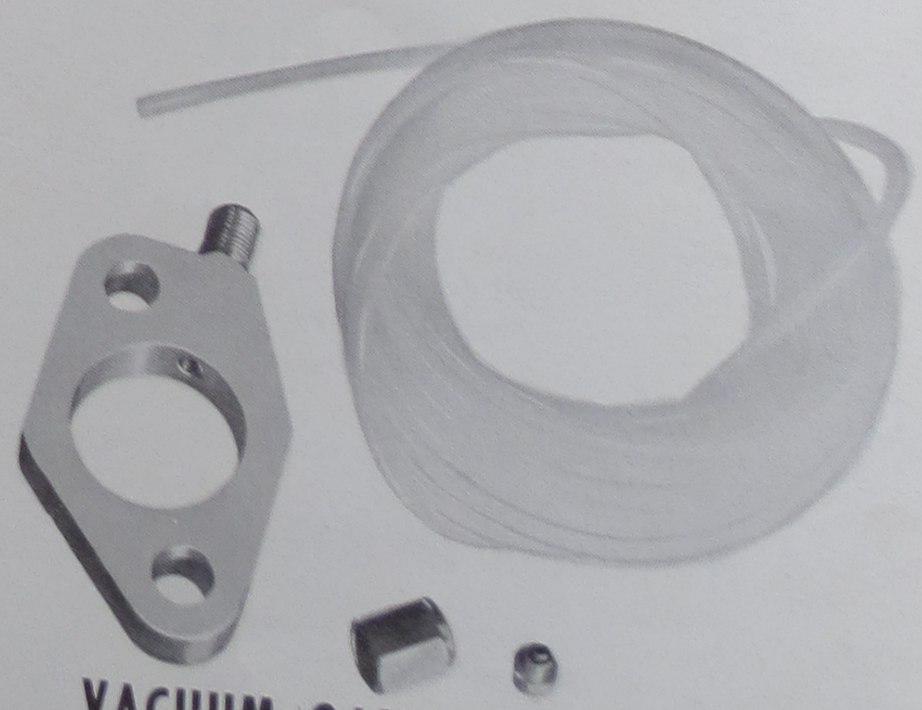
NBGX-220 Boost Gauge



NTGX-180 – Draeger Tire Gauge



NBGX-220 – Supercharger Boost Gauge



VACUUM GAUGE ADAPTER SET

Adapter plate fits accurately on carburetor – connecting vacuum gauge with engine. Complete with tubing and coupling.

EVAV-465 Vacuum Gauge Adapter Set

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GO WITH THE PROS...

If your life, victory or defeat, depend on accurate tire pressure, you would take every precaution to make sure that your tires maintain accurate pressure! Race drivers do! They and their pit crews know what is at stake. That's why they use the best gauge available – the EMPI-Draeger Tire Pressure Gauge!

Who is best qualified . . . . to produce a tire pressure gauge with a watch-type, super accurate movement. A watch factory, naturally.

That's why EMPI goes to the heart of Germany's Black-Forest watch-making district to bring you the EMPI-Draeger Tire Pressure Gauge.

Guaranteed accurate within 1%, adjustable for all barometric pressures, dual scale reads from 0-57 lbs and 0-4 kg. Slanted chuck allows use on motorcycle tires also. Pressure reading stays locked on the gauge until release button is pushed to allow needle to return to zero.

A "must" for every motorist, because accurate tire pressure prolongs tire life and increases gas mileage.

Gauge sold complete with plastic case and instructions in four languages.

NTGX-180 EMPI-Draeger Tire Pressure Gauge .

Sole U.S. Importer-Distributor:

ENGINEERED MOTOR PRODUCTS, INC.
P.O.Box 1120, Riverside, Calif. 92502

EMPI

FREE @ www.tjkustoms.com



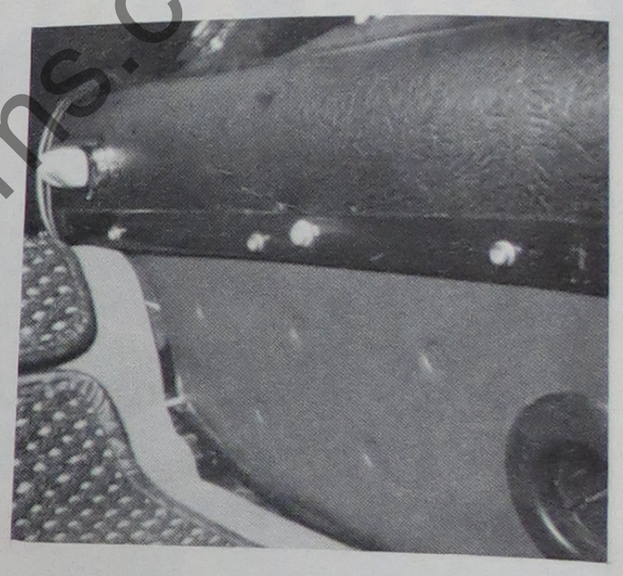
From the House of Empi comes their latest addition to make VW fans sit up and take notice.



Full compliment of front and rear bucket seat sets upgrades VW, provides cradling comfort for everyone.



Empi's seat tracks are sturdier than stock items, allows full range of positioning adjustment.



Molded seating base bolts to VW floor riser, then snaps are positioned to hold upholstery padding.

The name of EMPI and Volkswagen have become synonymous in the world of hot rodding and customizing. No other single manufacturer puts out so many different items from high performance suspension and engine components to exterior and interior accessories to make your bug wilder than the next guys'.

EMPI's newest offering to the street runners is this way out rear bucket seat console which can be installed by merely slipping out the factory seat and placing the GTV+2 Rally Seat in its place. Add a couple of holes for the hold-down bolts and screw in the pad snaps and you're in business. The frosting on the cake is that it has two stereo speakers which mount on the arm rests to give your car an out-of-sight sound system. These can be hooked up to either your standard radio or to a tape deck if you already have one mounted.

The black fiberglass seat is designed with a simulated leather grain finish and removable foam filled, Naugahyde cushions which are dielectrically seamed for lasting beauty. If you want to further customize the seat, a cigarette lighter and courtesy light may be installed, but these are not a part of the kit.

EMPI also has seats available for the front, in case you're not aware of it. They are complete with a full frame which mounts on the factory adjustable seat rails. This is a real boon to the rear seat passengers as it almost doubles foot room and, if you own a '68 or '69 model, gives you a chance to see who's sitting back there. Yep, now even the rear seat passengers can see where they're going!

The seats are available separately and each is complete with black pads (and speakers in the rear).

Pretty cheap for a far-out interior if you've checked into them lately.

So whether you've got a full custom or just interested in more space and comfort inside your beetle, latch on to a set of EMPI's seats.

Order direct from EMPI at Post Office Box 1120, Riverside, Calif. 92502 or drop by your local EMPI dealer.

FREE @ www.tjkustoms.com

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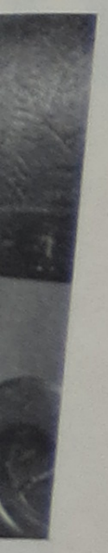
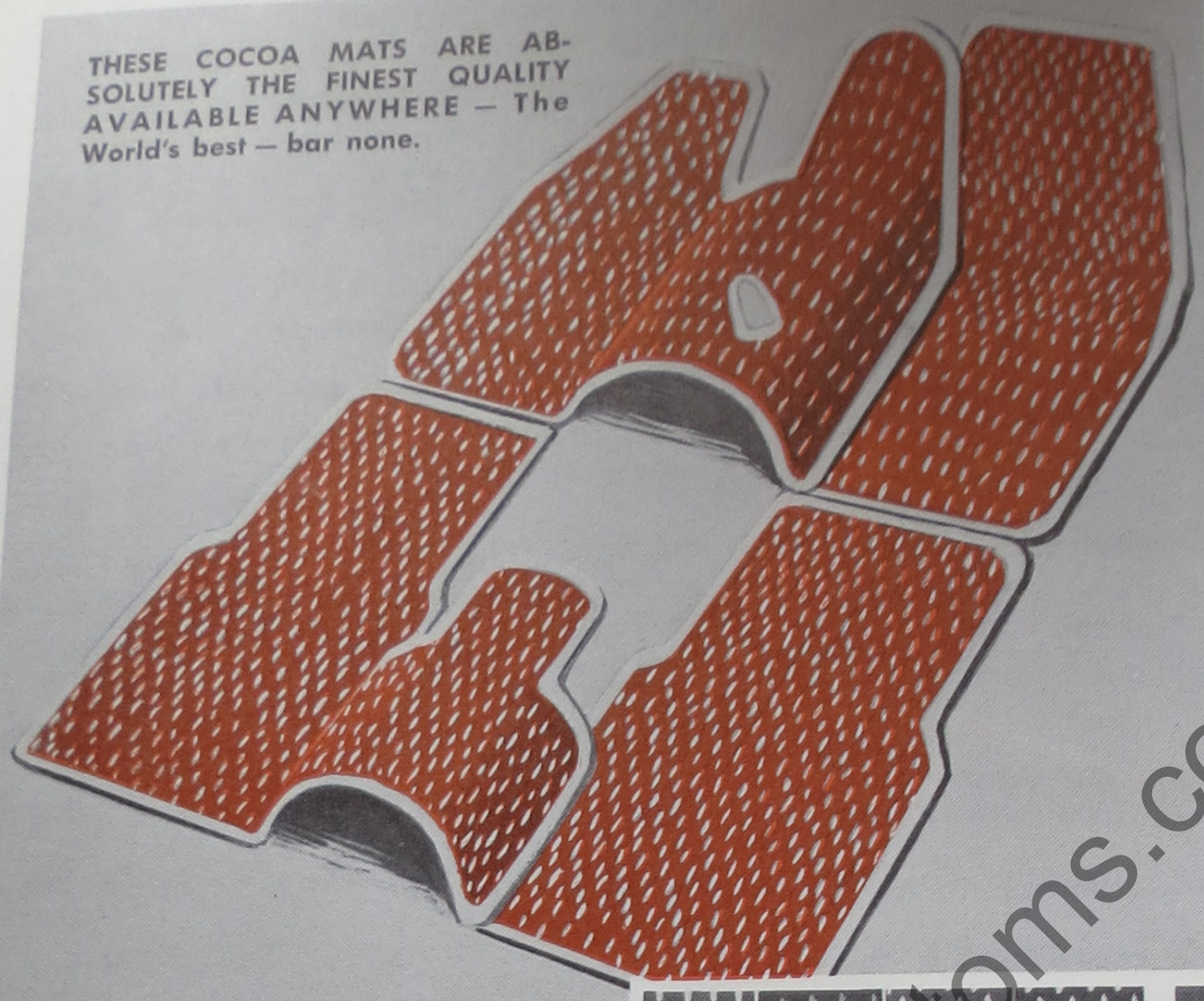


THESE COCOA MATS ARE ABSOLUTELY THE FINEST QUALITY AVAILABLE ANYWHERE — The World's best — bar none.



SPECIAL PLASTIC HEEL PLATES SUPPLIED — to protect mat from heel wear at accelerator pedal.

"Komfort" COCOA FLOOR MATS

Luxury ... with a practical touch

Stay beautiful for the life of the car.

Custom-made to completely carpet the car floor, these elegant, door-to-door mats are a luxury touch that guarantees comfortable driving.





Handsome... colorful... for VW, Ghia, Porsche Make your car quieter. Won't fade... non-absorbent... stay clean insulate against heat and cold...

Woven of top quality yarns and bound with matching plastic, "Komfort" Cocoa Mats will last the life-time of the car. They deaden road noise, insulate against heat and cold, and will neither fade nor absorb moisture. For easy care and low-cost beauty, ask for "Komfort" Cocoa Mats. Each set comes with a plastic heel plate to protect against wear.

Periodic vacuum cleaning will keep them looking immaculate. Twice a year remove and lay them face down on a flat surface and tap to remove deep down dirt. Sold only in sets . . . front and rear mat.

ACMV-160 Cocoa Mats (type I) VW sedan-sunroof-conv., 1200, 1300, 1500 series, 1968 & earlier. Indicate colors: red-white, green-white, blue-white, brown-white, black-gold,

ACMG-161 Cocoa Mats, Ghia 1200, 1300, 1500 series, 1967 & earlier. Colors: red-white, blue-white, green-white, black-gold .

ACMP-162 Cocoa Mats, Porsche, 1963-1965. Colors: red-white, black-gold.

ACMW-163 Cocoa Mats, VW Fastback & Squareback, 1500 & 1600 series (type III vehicles), 1968-earlier. Colors: red-white, blue-white, green-white, black-gold, brown-white

ACMP-164 Cocoa Mats, Porsche 911 & 912. Colors: red-white, black-gold.

ACMV-165 Cocoa Mats, 1500 VW (type I), 1968 only. Colors: red-white, green-white, blue-white, black-gold .

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Locking lever engages in any position, from upright to full recline. Instantly adjustable, even while driving.

ASRV-420 Seat Recliner, VW 1200 (type I), '57-'65, drivers side

ASRV-421 Seat Recliner, VW 1200 (type I), '57-'65, passenger side

ASRV-424 Seat Recliner, VW 1300, 1500 (type I), 1966-1967, drivers side .

ASRV-425 Seat Recliner, VW 1300, 1500 (type I)' '66-'67, passenger side .

ASRW-426 Seat Recliner, all 1600 Squarebacks & Fastbacks, drivers side .

ASRW-427 Seat Recliner, all 1600 Squarebacks & Fastbacks, passenger side .

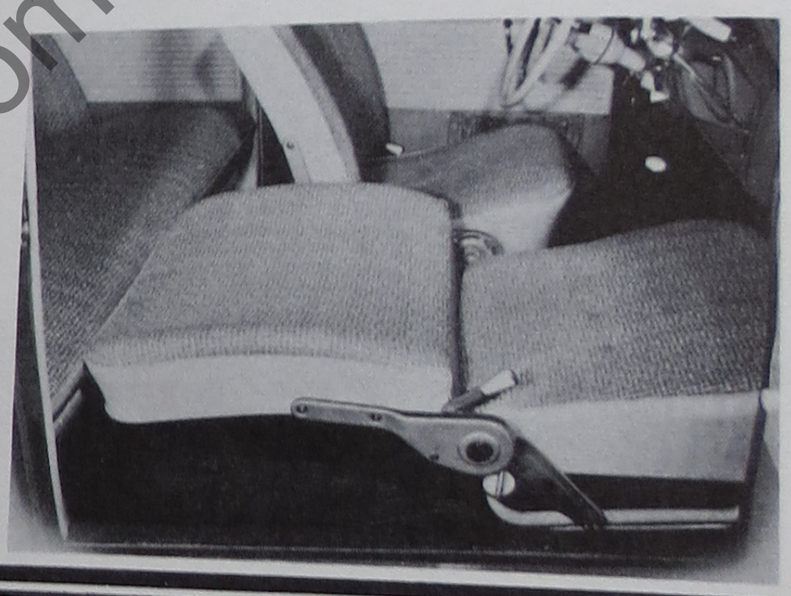
THE ABOVE PRICES DO NOT INCLUDE EXTENSION RAILS and BACKREST SUPPORTS NECESSARY TO ALLOW THE SEATS TO BE MADE INTO COMPLETE BEDS. The necessary extension rails and backrest supports are priced and numbered as follows:

ENHANCE YOUR DRIVING WITH THE COMFORT AND SAFETY OF THE

SEAT RECLINER

Quality made in Germany fits driver or passenger seat - easy to install - easy to operate - positive locking action - safe & sure





NEW! THE CUSTOM TAILORED EMPI SPORT SEAT COVER



Made from original equipment waffle-weave cloth-backed vinyl—in extra heavy gauge for long lasting wear. Completely covers both front seats and rear seat. Seat and backrest surfaces tailored in air-ventilated waffle-weave vinyl, side and rear panels made from smooth, grained vinyl. Completely water proof—easy to clean.

ASCV-361 EMPI "Sport" Seat Covers, VW 1200—1957 to 1963, in black-grey, all black, red-grey.

EMPI MEANS PRODUCT INTEGRITY

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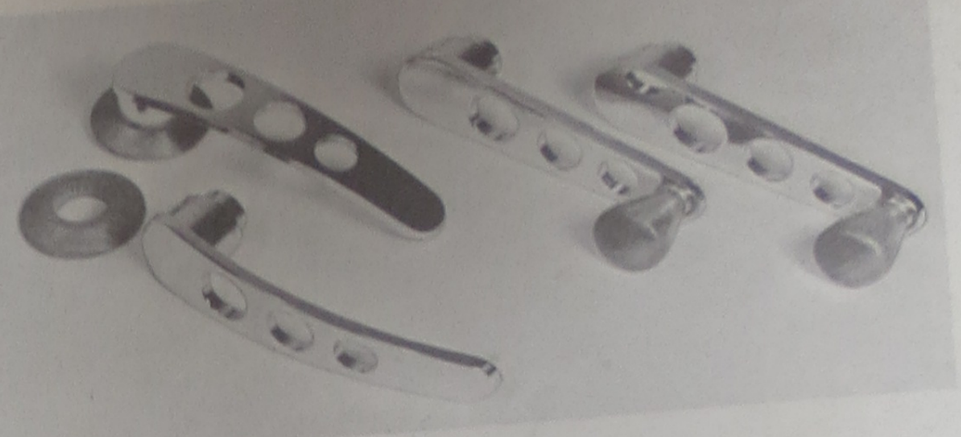
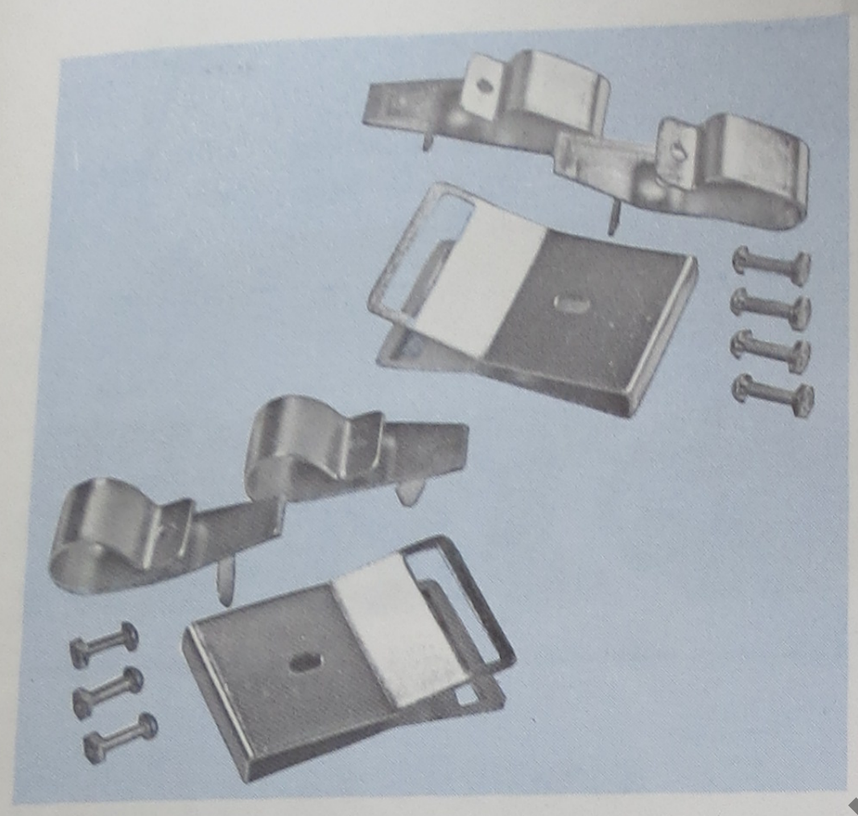
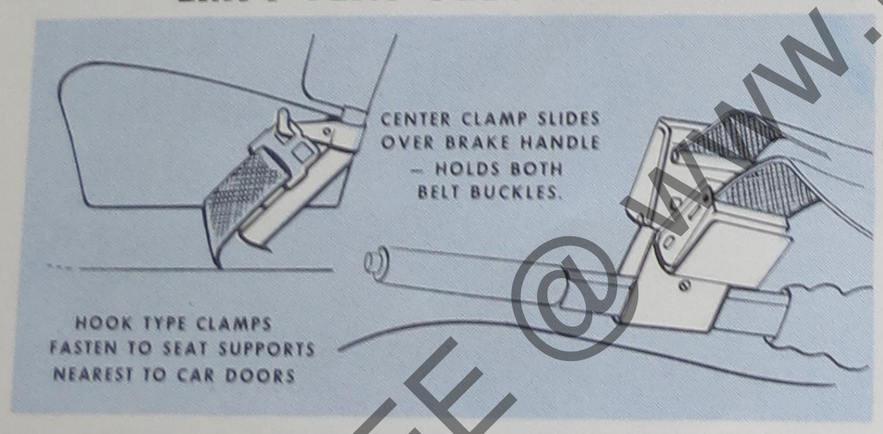
CONVENIENCE ITEMS...

help you enjoy everyday driving





EMPI SEAT BELT CADDIES



Designed by EMPI especially for VW sedans. These handy holders are shaped to fit left and right of both front seats.

Keep seats clear and tidy.
Keep seat belts handy – untangled – always ready for use.
Easily installed – in just 5 minutes.
Nothing to break or replace – good for a lifetime.

Center support slides on emergency brake handle – designed to hold the belt buckles. Outer support fastens to seat strut – belt hooks on as shown.

ABCV-110 Seat Belt Caddy, VW sedan, sunroof, conv. (type I), '65–'66, 3-piece set $2.95
ABCV-111 Seat Belt Caddy, VW sedan, sunroof, conv. (type I), '64 & earlier, 3-piece set $2.95

CUSTOM DOOR HANDLES

The latest Grand Turismo styling for your car's interior – finished in highly polished chrome, accented by fine quality solid walnut trim.

ADHV-195 Custom Door Handles, w/wood trim, VW & Ghia (type I) 1954–1966, pair $6.95

CUSTOM WINDOW CRANKS

Add racy styling to customize the interior of your car. In highly polished chrome finish with high quality solid walnut knob and trim.

AWCV-455 Custom Window Cranks, w/wood trim, VW & Ghia (type I) 1967 & earlier, pair $7.95



ACCELERATOR PEDAL COVER

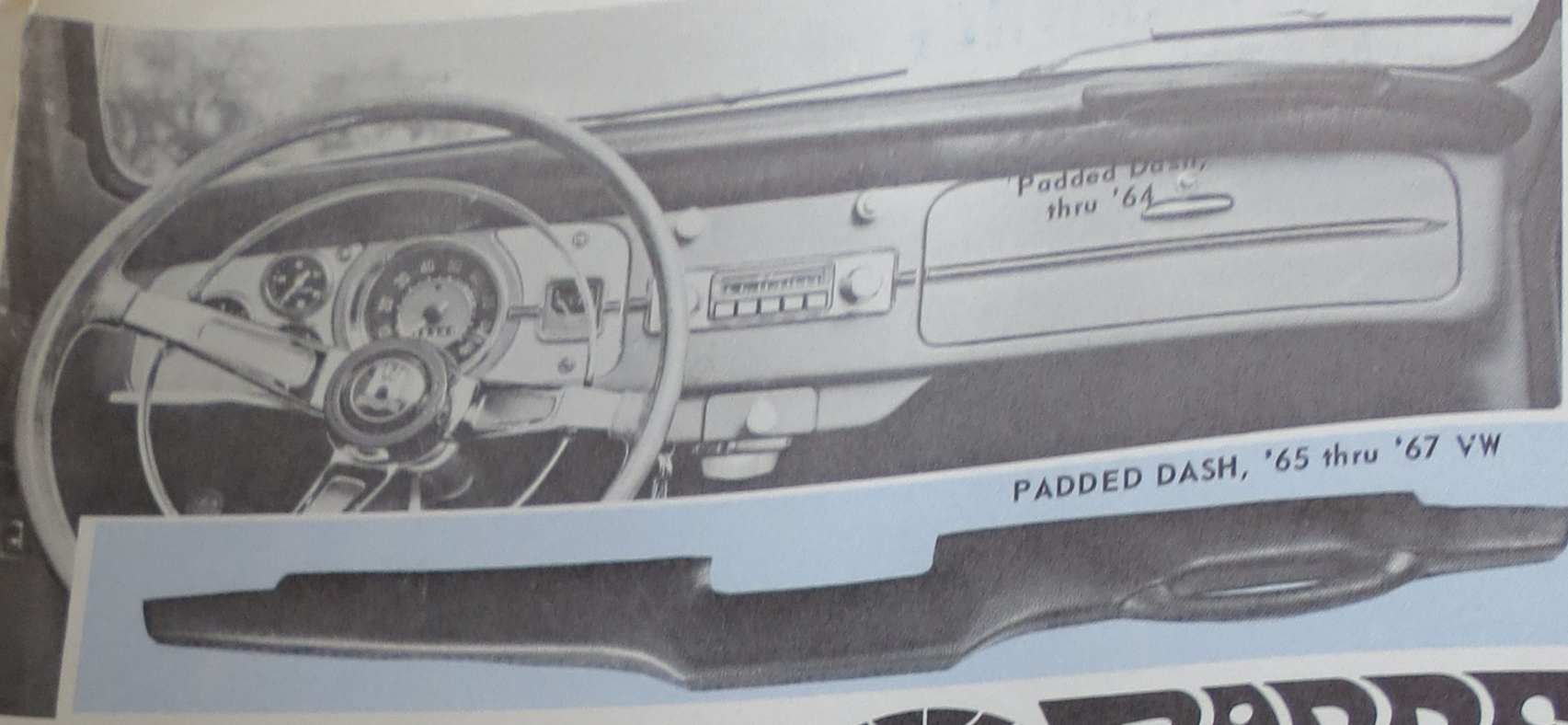
Protects accelerator mechanism from accumulated dirt and grime.
Relaxes driver's foot muscles.
Saves wear and tear on floor mats.
Installed in seconds.

Durable gray plastic, with molded heel plate and side guard to keep foot on accelerator. German-made device fits VW 1200 and 1500 sedans, Ghias, Porsche 356-B and Opels.

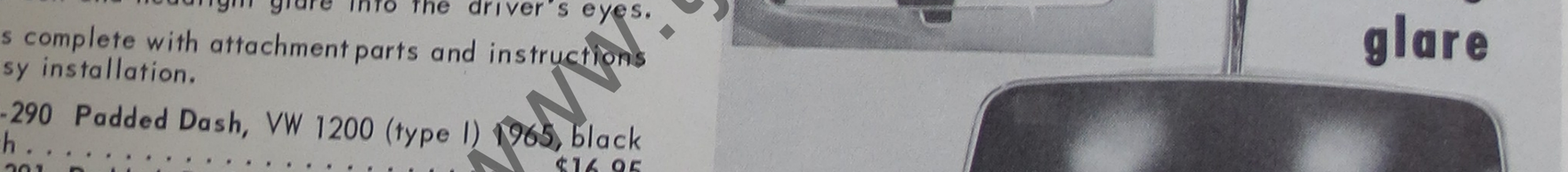
APCV-300 Accelerator Pedal Cover $2.95

FREE @ www.tjkustoms.com

Sold exclusively by EMPI in U.S.A.



PADDED DASH, '65 thru '67 VW



EMPI PADDED DASH

For safety and better vision...

Safety device – padded to protect front-seat occupants in crash.

Driver's aide – no more annoying glare and reflections from polished dash top.

Attractive custom-type accessory – certain to win show points.

This inexpensive German-made accessory not only adds a distinctive custom touch to the 113 model Volkswagen interior, but it also serves an important function as a safety device. Padding feature may lessen head injury to front-seat occupants in event of crash or sudden emergency stop. Padded Dash's dark leather-grained vinyl surface is non-reflecting, covering the polished Volkswagen dash top that often reflects sun and headlight glare into the driver's eyes.

Comes complete with attachment parts and instructions for easy installation.

APDV-290 Padded Dash, VW 1200 (type I) 1965, black, each $16.95

APDV-291 Padded Dash, VW 1200 (type I), 1964 & earlier, black, each $16.95

APDV-292 Padded Dash, VW 1300, 1500 (type I), 1966 and 1967, black, each $16.95



This practical flip-over shield for your rear vision mirror takes all the glare from those blinding lights behind you. Inexpensive and easy to install.

AMBV-270 Mirror Blind, VW 1200, 1300, 1500, 1967 & earlier, each $1.95

Makes driving safer – flip glare-control lever and reflected glare of sun or headlights disappear. Works on simple optical principle.

Easy to mount – quickly slips into stock VW mounting bracket for rear-view mirror.

Chrome plated metal parts – a beauty!

Best quality – from Germany.

Here's a rear-view mirror that saves driver's eyes from blinding glare of high-beam lights in a following car. Flip the mirror lever and glare is thrown out of focus.

AFMV-210 Flip Mirror, VW 1200, 1300, 1500, '65-'68 (type I), reg. drilling on '68 models $7.95

AFMV-211 Flip Mirror, VW 1200 series (type I) 1964 & earlier $7.95

AFMV-212 Flip Mirror, VW 1500, (type III vehicles only) $7.95

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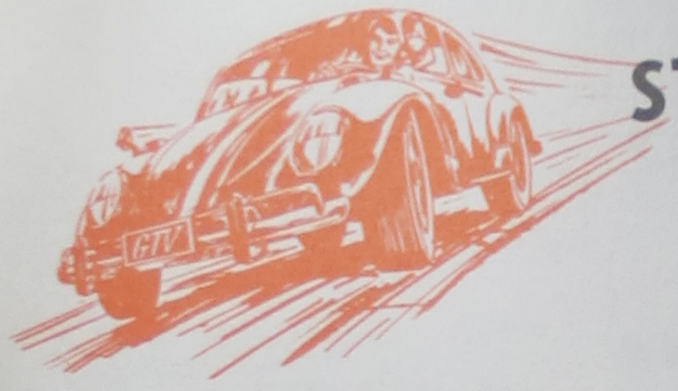
PRICES AND SPECIFICATIONS SUBJECT TO CHANGE

THE DISTINCTIVE LINE OF

STEERING WHEELS

FROM

EMPI



THE "UNIVERSAL" STEERING WHEEL

EMPI'S stylish "Universal" Steering Wheel has the quality of wheels costing twice as much. Rim construction features securely bonded laminations of selected wood over a steel frame.

The wooden rim is specially impregnated with plastic to prevent splintering during accidents. Wheel center and spokes are made out of brushed, glare retarding high quality steel.

The "Universal" Steering Wheel will fit 1200, 1300, and 1500 series VW and Ghia, 1955–1967, Porsche 1955–1962 with special hub adapter and horn kits, which have to be ordered separatly, Please specify year and model, when ordering.

ASWX-435 Universal Steering Wheel (without hub adapter & horn kit)

Hub Adapters and Horn Kits

SW-263 For VW, Ghia and Porsche, 1955–1959

SW-264 For VW, Ghia and Porsche, 1960–1961

SW-265 For VW, Ghia, 1962–1967 and 1962 Porsche

The "RIVERSIDE 500" Wheel

Get that "Sports Car Feel" in your Volkswagen with the fabulous new "Riverside 500" Steering Wheel. Attractive X-spoke design, similar to the Porsche 912 steering wheel, made exclusively for EMPI by one of Germany's leading manufacturers of steering wheels.

The "Riverside 500" is 15½ inches overall in diameter, of extremely rugged construction, finished in black to match any interior. Fits 1200, 1300, 1500, and 1600 series VW and Ghia, 1961-later–easy to install. Elegant padded leather horn button and padded leather-like steering wheel glove are important safety features.

ASWX-446 "Riverside 500"



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STEERING WHEELS
& ACCESSORIES
ADD CONTINENTAL STYLE AND ELEGANCE TO YOUR VW





NORM BUTTON and ADAPTER RING INCLUDED



CUSTOM DEEP DISH STEERING WHEEL

Add beauty and elegance to your Volkswagen's interior with this beautiful German made custom steering wheel. Attractive features include stylish deeply dished chromed spoke design with horn ring, realistically grained simulated wood rim and custom designed hub cover. Custom steering wheel is 15¼ inches overall in diameter, fits all 1200, 1300, 1500, and 1600 series VW and Ghia, 1961-later – easy to install. Works perfectly with existing horn and turn-signal wiring.

ASWX-443 Custom Steering Wheel

STEERING WHEEL GLOVE

The low-cost luxury for your car. The Steering Wheel Glove laces firmly in place on your steering wheel. The attractive, padded, leather-like "glove" is easy on the hands on long trips, is warmer than bare plastic rim in winter, cooler in summer. Also, perfect for gifts.

AOCX-280 Steering Wheel Glove Tan

AOCX-281 Steering Wheel Glove Black

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PRICES AND SPECIFICATIONS SUBJECT TO CHANGE



The best-equipped
fashionable race-
are wearing EM
Wheels and ma
series. Colorful to
fortable to the h

the EM

The latest word
fabulous EMPI G
rim—securely bon
steel frame.

The wood is spe
plastic to preven
horn button in bl
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The EMPI-GT wi
1500 series VW
only) 1961 – 196

ASWX-433 EMPI
380mm diamet
ASWX-436 EMPI
400mm diamet

DELUXE

The new EMPI
for the VW dash
ful genuine waln
are winners fro
addition to any
complete with
handle grip and
knob with colo
in beautiful, gen

Precision made
Will fit all VW
1500 sedans. A
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ACKV-471 EM
VW 1200, 13



P DISH
WHEEL

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The best-equipped cars in the fashionable race-and-rally sets are wearing EMPI Steering Wheels and matching accessories. Colorful to the eye, comfortable to the hand.

STEERING WHEELS AND COCKPIT ACCESSORIES from EMPI

the EMPI GT

The latest word in steering wheels—the fabulous EMPI GT features genuine wood rim—securely bonded laminations over a steel frame.

The wood is specially impregnated with plastic to prevent splintering. Attractive horn button in blue and black with silver GT emblem. Spokes are made out of brushed, glare retarding stainless steel.

The EMPI-GT will fit all 1200, 1300, & 1500 series VW and Ghia (type I & III only) 1961 – 1968.

ASWX-433 EMPI GT Steering Wheel, 380mm diameter
ASWX-436 EMPI GT Steering Wheel, 400mm diameter



DELUXE WOOD KNOB SET

The new EMPI Deluxe Wood Accessories for the VW dash, Hand-crafted in beautiful genuine walnut, individually polished, are winners from any angle. A definite addition to any car interior, the set comes complete with nine dash knobs, brake handle grip and release button, and shift knob with color-keyed shift pattern, all in beautiful, genuine walnut.

Precision made to fit – easy to install. Will fit all VW 1200, 1300, and '67 VW 1500 sedans. Attractively packed in display type boxes.

ACKV-471 EMPI Deluxe Wood Knob Set, VW 1200, 1300, & '67 VW 1500 Sedans

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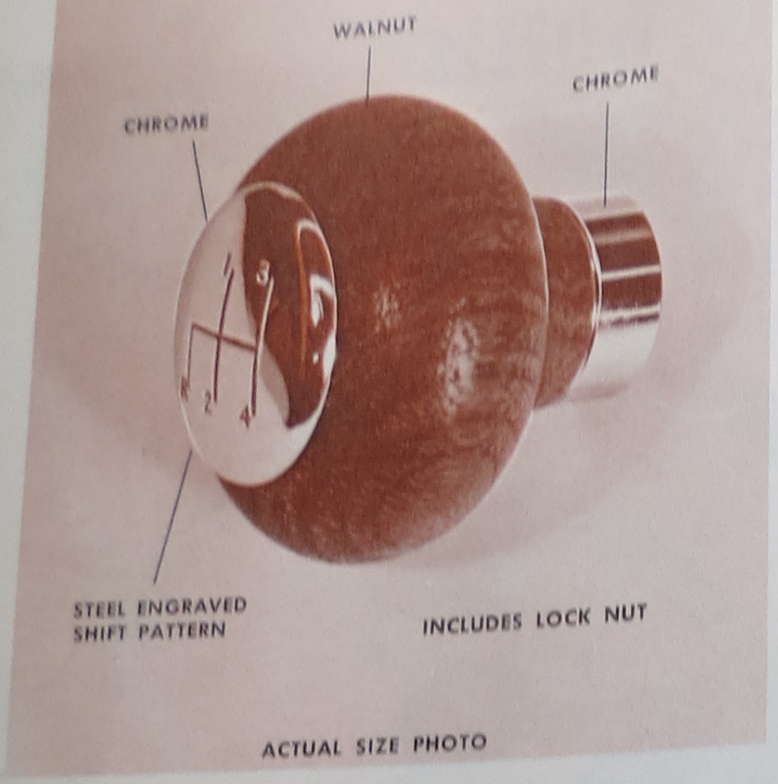

ACTUAL SIZE PHOTO

FOR A FEELING OF LUXURY... THIS WALNUT SHIFT PATTERN KNOB FITS YOUR HAND.

ATTRACTIVE – Natural Walnut knob carries shift pattern on chrome plate.

USEFUL – Enables persons not familiar with VW shift pattern to drive your car with minimum gear clashing.

Handsomely finished walnut knob harmonizes with all interior color schemes. Models available for all VWs.

ASKV-410 Wood Shift Knob, walnut, w/shift pattern, 10mm, '60-earlier VW Sedan (type I), and all VW Trucks-Transporter-Bus (type III) up to 1967 .

ASKV-411 Wood Shift Knob, walnut, w/shift pattern, 7mm, all 1200-1300-1500 VW & Ghia (type I) 1961-1967

ASKV-412 Wood Shift Knob, walnut, w/shift pattern, 12mm, all 1968 VW & Ghia (type I, II, III), and 1500-1600 Squarebacks & Fastbacks, 1967-earlier .



BRAKE HANDLE GRIP

Hand contoured and made of unbreakable SDFT plastic, EMPI's brake hand grip is designed to fit brake handle perfectly. Specify color when ordering.

ABGV-121 Brake Hand Grip, grey or ivory

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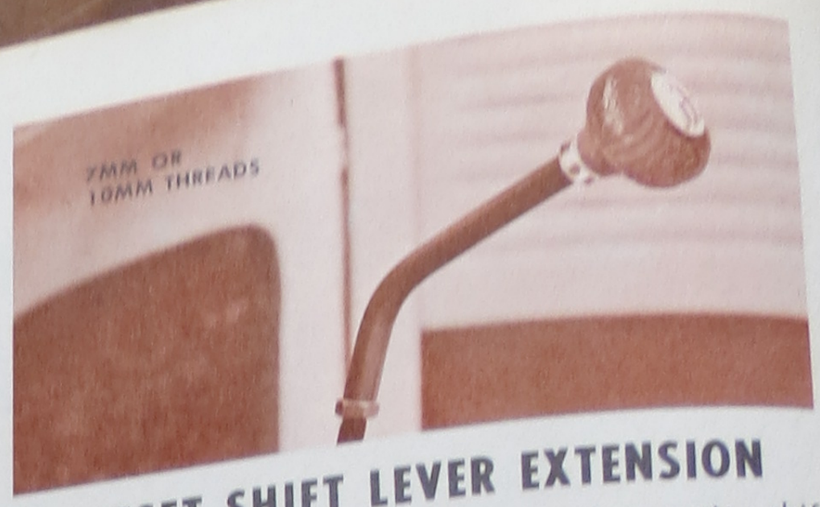

OFFSET SHIFT LEVER EXTENSION

- **Convenient** — Offset 4-inch extension puts shift knob closer to driver. A boon to women and men with short arms.
- **Simple to Install** — Fits in place easily, no tools needed.

This inexpensive, easy-to-install device is in great demand by Volkswagen drivers who find a shift into third gear puts an excessive stretch on their arms. Metal construction, neatly finished. Models available for both sedans and trucks.

ASEX-400 Offset Shift-Lever Extension for '61 & later VW and Ghia passenger cars

ASET-401 Offset Shift-Lever Extension for all VW trucks and buses



"VALET" GARMENT HANGER for VW

FITS '58 AND LATER SEDANS

- **New Design** — Fits unobtrusively in rear corner. Garments do not block out rear window. Valet is notched to keep regular coat hangers from sliding about.
- **Sturdy Construction** — Stressed to hold many garments without bending or breaking.
- **Simple Installation** — Snaps quickly into place in any Volkswagen sedan. No tools needed.

Every Volkswagen can use a garment hanger. Now EMPI offers this new compact-design hanger, stronger than previous models.

AGHV-230 Garment Hanger

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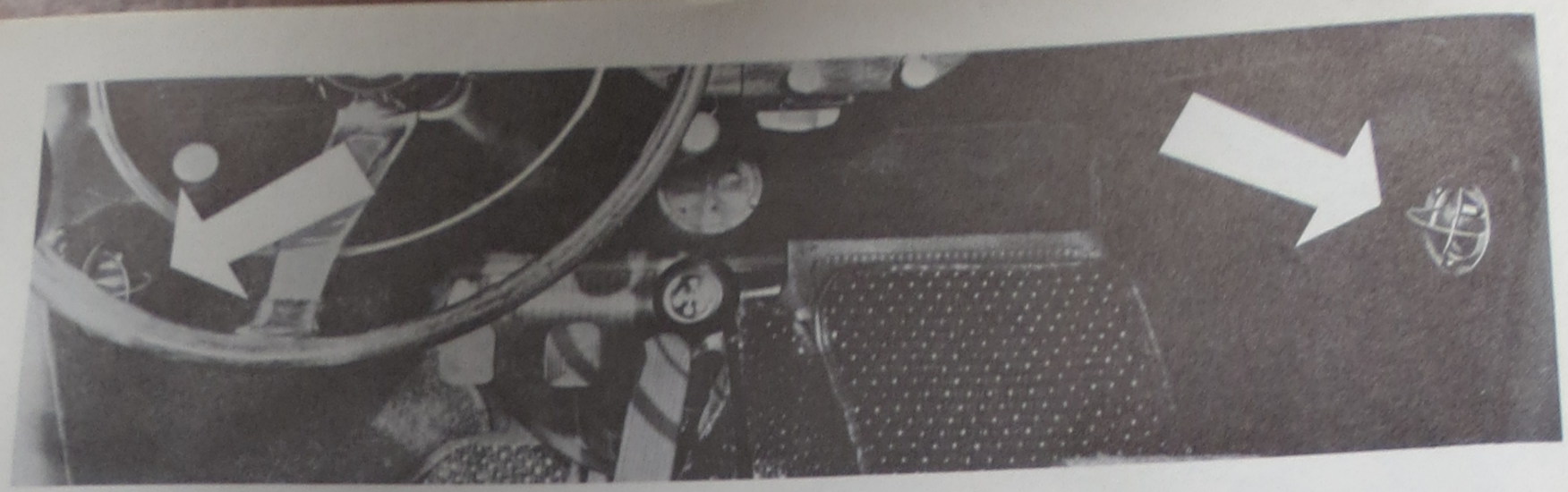
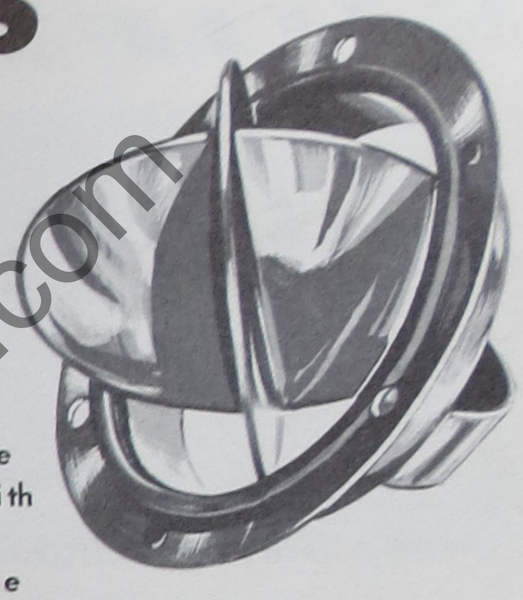


EMPI TWIN VENTS

FRESH AIR VENTILATION ON BOTH SIDES OF YOUR VOLKSWAGEN



Control the air flow with a simple twist of the directional vanes.

Both driver and passenger can control the volume and direction of fresh air through twin knee-high vents, installed through the carpeted cowl wall, just below the dash. It's easy . . . and it solves your VW ventilation problem for good!

Made of plated steel, with 2½" circular disc control vanes, secured by a steel spring (in tension), for trouble-free operation.

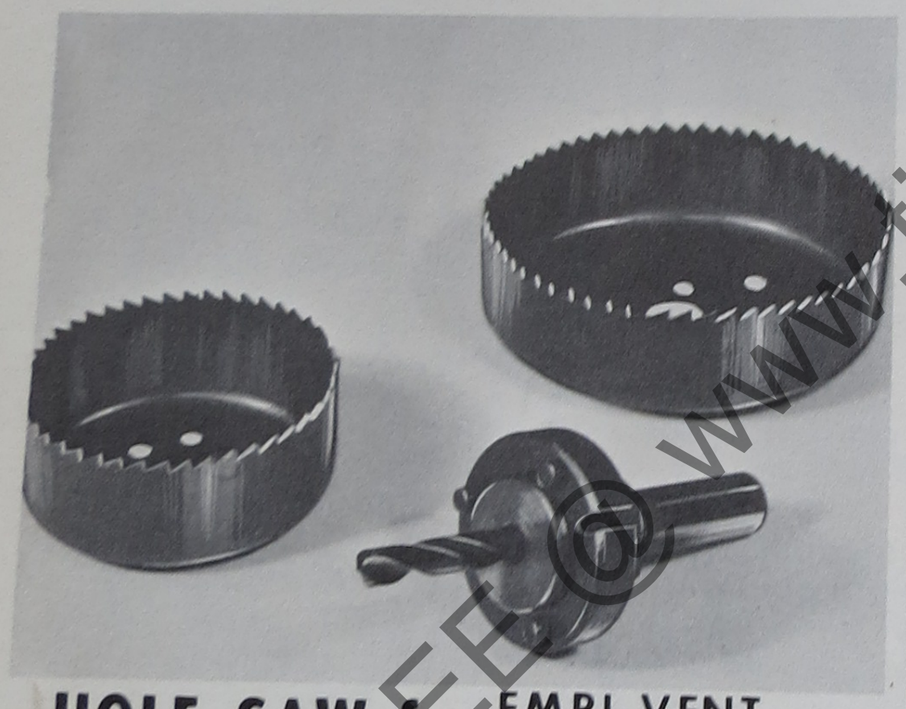
Select any volume of air circulation desired . . . and direct it where you want. Any amount, from a gentle zephyr to a large, refreshing volume of air . . . or close them off completely for cozy warmth in winter.

Now you can drive in comfort, with windows rolled up, rain or shine . . . not bothered by road and traffic noise . . . and arrive refreshed instead of windblown.

They help retard windshield fog . . . they're low in cost . . . quickly installed (30 mins.) (complete directions supplied) . . . rust free and maintenance-free.

Drive in comfort . . . . with EMPI Twin-Vents

ATVV-460 Twin Vents (set of two) .



HOLE SAW for EMPI-VENT and TWIN-VENT

EMPI HOLE SAW aids installation. Hole cutting is a cinch with an EMPI Hole Saw. Mandrel and blade sold separately, or in a 2-blade kit. Fits any ½" drill.

HS-1 Hole Saw Mandral .
HS-2 Hole Saw Blade, 2½",for Twin Vent .
HS-3 Hole Saw Blade, 3½",for EMPI Vent Ne
THSX-161 Hole Saw Kit, Mandrel and 2 sizes of blades

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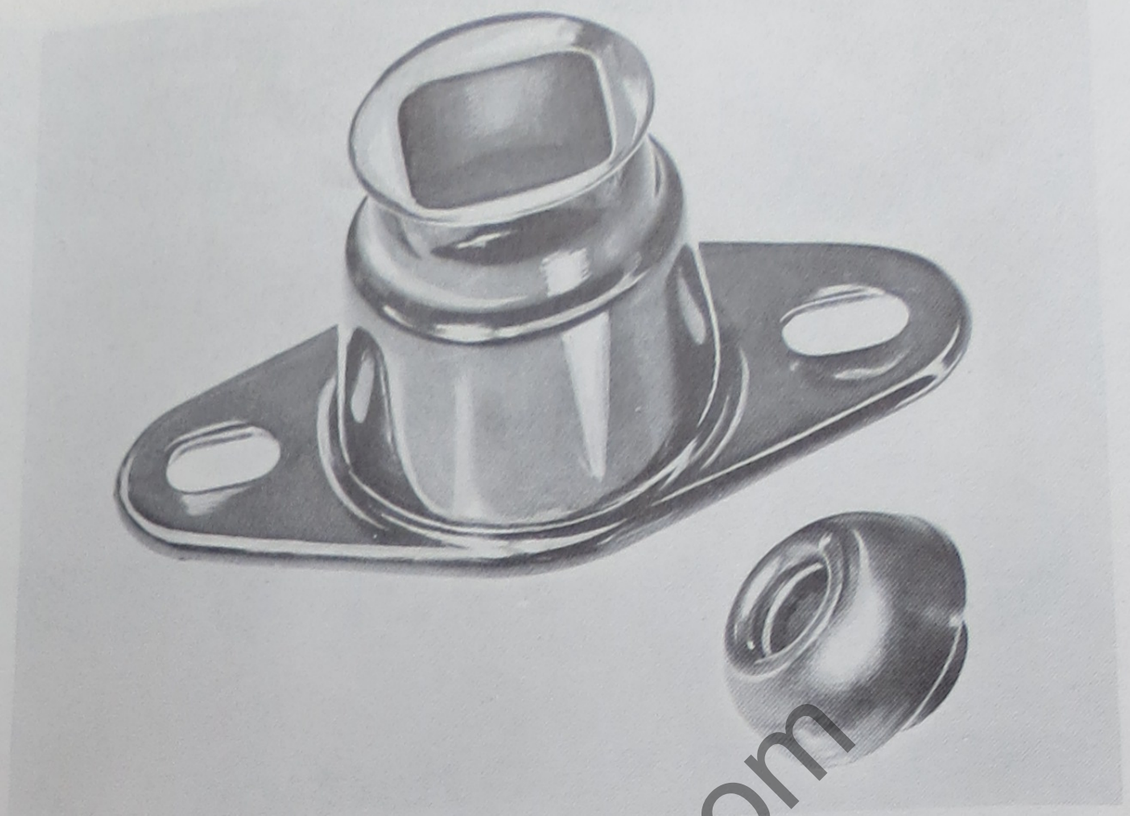
HERE IT IS!

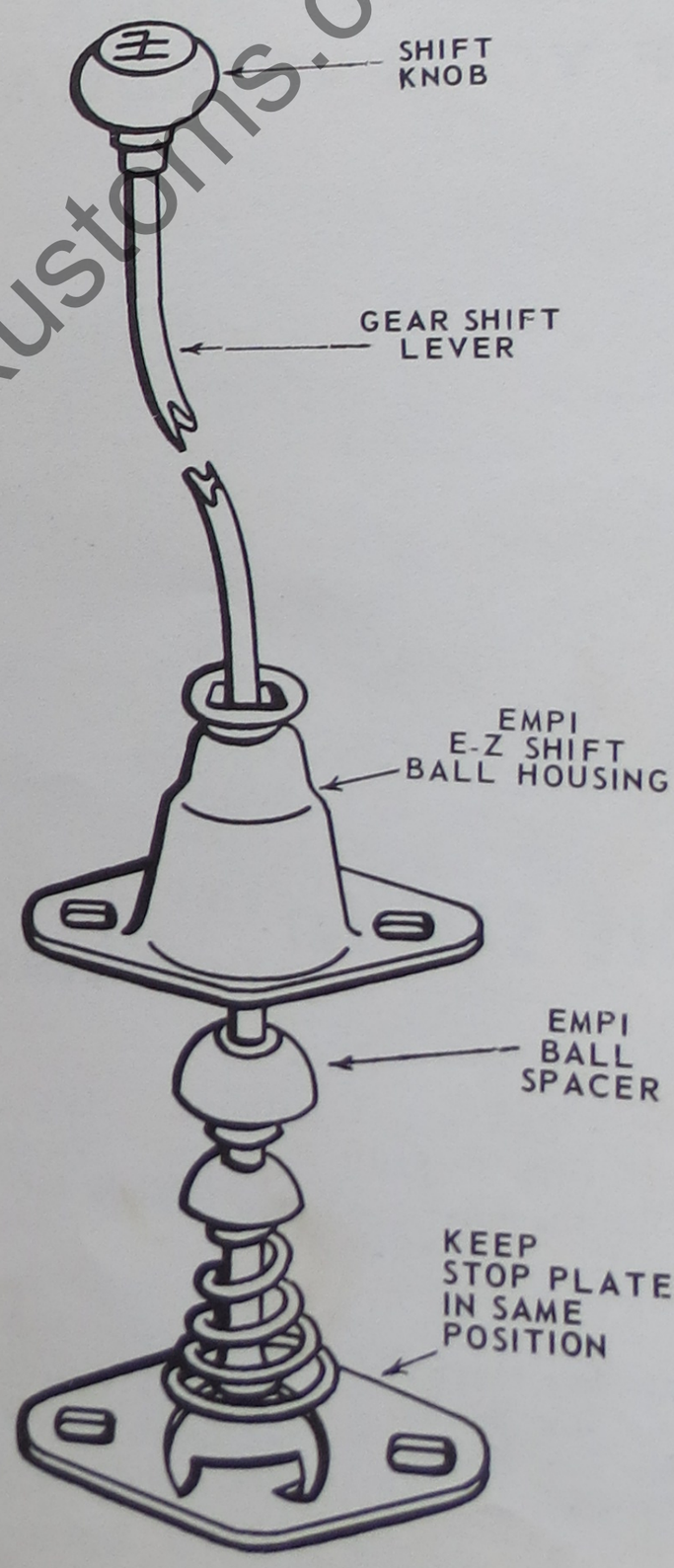
EMPI

E·Z SHIFT



EMPI's new, simplified, "slicker-than-slick" shift device . . .

shortens the shift throw . . . simplifies installation.



A handsomely chromed boot for your 4-on-the-floor . . . cleverly conceived to provide all the shifting advantages of the famous EMPI "Slick-Shift", plus simplified installation and sparkling chrome appearance.

- Shortens the shift throw by 40%
- Saves time and effort
- Less fatiguing in city traffic
- Encourages better driving habits
- Easy 15-minute installation

A shining new big brother to the EMPI Slick-Shift . . . with all the usual easy-shifting advantages. Vastly improved design and brilliant chrome finish makes this modern shift-boot innovation a demand item by drivers who are "in the know" and want the latest in convenience.

ASSX-431 E-Z Shift, all VW & Ghia (type I only) 1968 & earlier,

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- **Makes Shifting Quicker For Gymkhana Driving**
- **Makes Shifting Easier For Everyday Driving**
- **Simple To Install — No Special Tools Required**
- **Inexpensive — Note The Low, Low Price**

SlickShift is the sensational new EMPI-made convenience accessory that makes shifting gears on any Volkswagen car or truck faster and smoother.

No need to wear out your arm pushing and pulling that gear-shift lever as you shift your Volkswagen through heavy stop-and-go traffic. SlickShift modifies the Volkswagen's shift-linkage mechanism to decrease by 40 percent the distance the driver's arm must travel as he shifts from one gear position to another.

If your wife has trouble hitting the right gear, your troubles are now over. The EMPI SlickShift guides the shift handle smoothly into the proper position with a minimum of effort. She can't miss.

The short throw effect of SlickShift also saves time on each shift — just a fraction of a second, but it's an important fraction to drag racers and gymkhana competitors.

ASSX-430 EMPI SlickShift

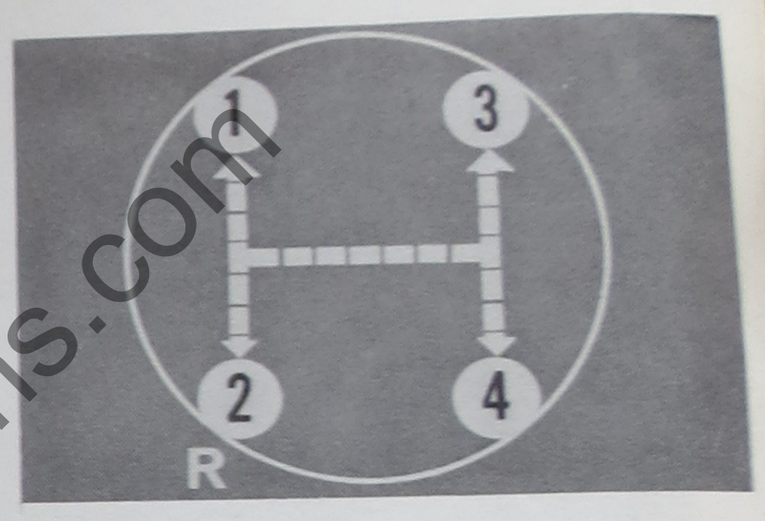
FITS ALL VWS, GHIAS, TRUCKS AND TRANSPORTERS

EMPI

Slick Shift

SHORTENS THE THROW WHEN YOU SHIFT...

FROM THIS



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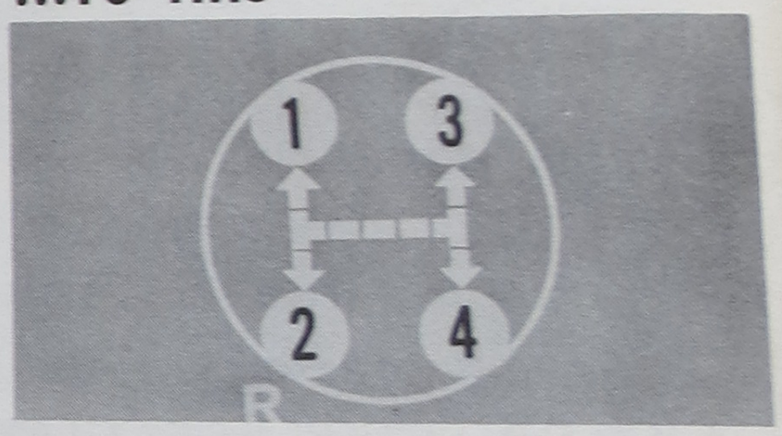
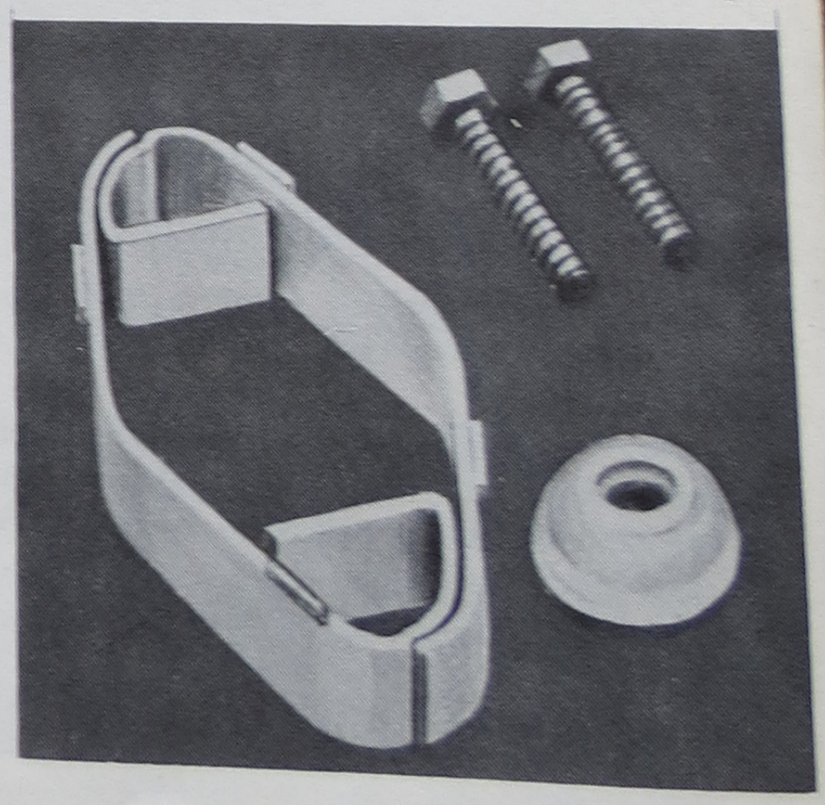


(40% LESS THROW REQUIRED)



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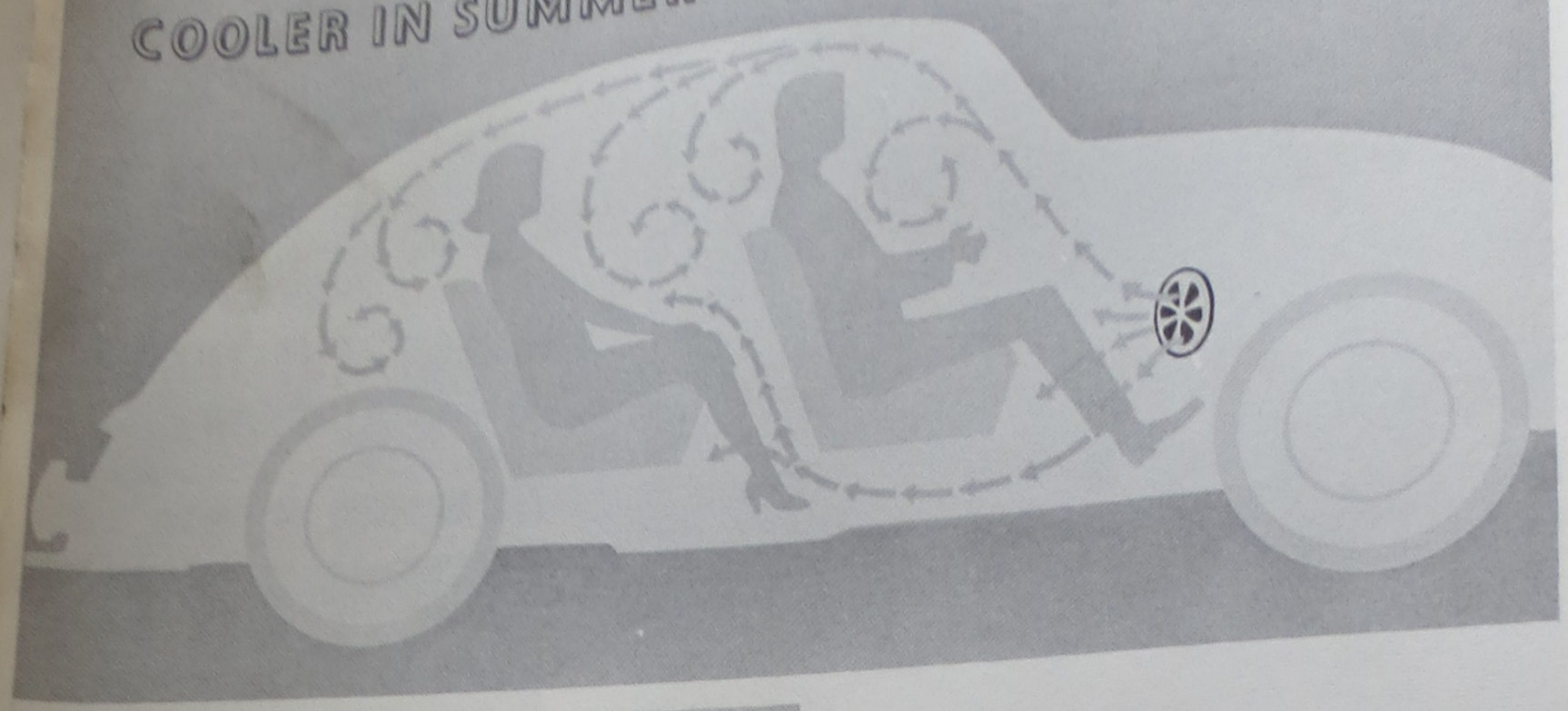

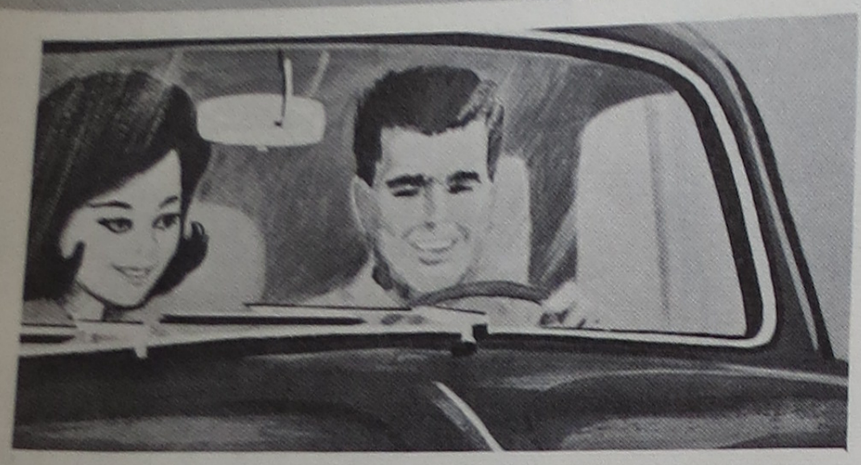

You can control air circulation with an EMPI-VENT



FITS ALL MODELS VW & GHIA, ANY YEAR THRU '65 . . . SEDANS, CONVERTIBLES.

- **LOW COST COMFORT for any VW owner**
- **HELPS CONTROL TEMPERATURE**
- **QUICKLY INSTALLED . . . fits all models**
- **HANDY FOOT CONTROL**
- **WORKS LIKE A CHARM**

Here's a simple, inexpensive device that will help alleviate the problem of Volkswagens that are too hot in summer and too cold in winter. EMPI-Vent is an adjustable vent that regulates the flow of outside air into the VW interior.

Install an EMPI-Vent on the forward firewall to send a cooling breeze through the car on a hot summer day. EMPI-Vent can be easily adjusted with a touch of the toe.

For winter use EMPI-Vent is installed on the wall between car interior and engine compartment to increase air circulation.

AEVV-200 EMPI-Vent

EMPI-Vent . . "The thrifty man's air conditioner."



DEALERS — Installation of EMPI-Vent is quick and easy with a 3½" hole saw . . . fits any ½" drill. (Complete description in tool section).

HS-1 Mandrel only
HS-3 Blade 3½"

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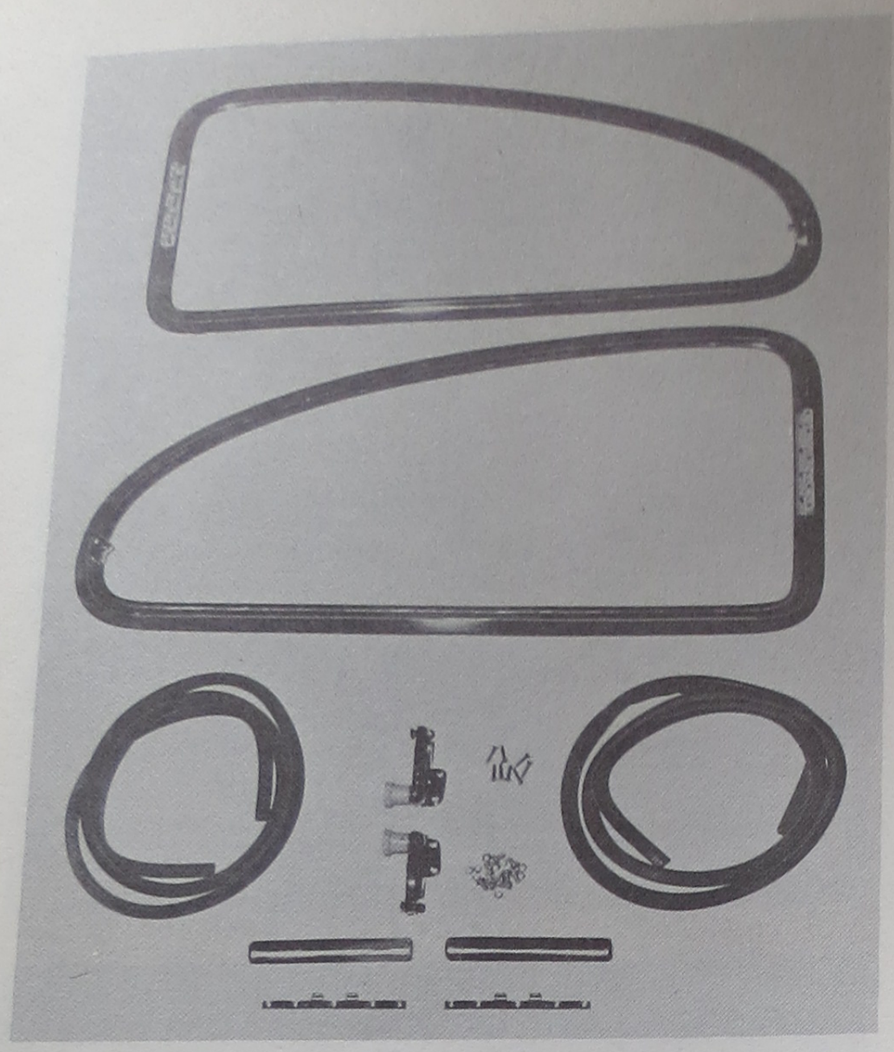




REAR OPENING WINDOW FOR BETTER VENTILATION

HINGED REAR WINDOWS FOR VOLKSWAGEN SEDANS

- **Adjustable openings for perfect ventilation control.**
- **High-quality safety glass.**
- **No special tools required for installation.**

Now VW sedan owners can enjoy the ventilation designers failed to provide. EMPI's new hinged rear-window kit provides an adjustable rear window opening to give passengers the precise amount of fresh air they need for comfort.

Kit includes two hinged and framed rear window panes, replacement weather stripping and necessary hardware. Imported from Germany.

ARWV-350 Rear Opening Window, 1965–1968 VW 1200, 1300, 1500 sedans, sunroofs (type I),
ARWV-351 Rear Opening Window, 1964–earlier VW 1200 series (type I),

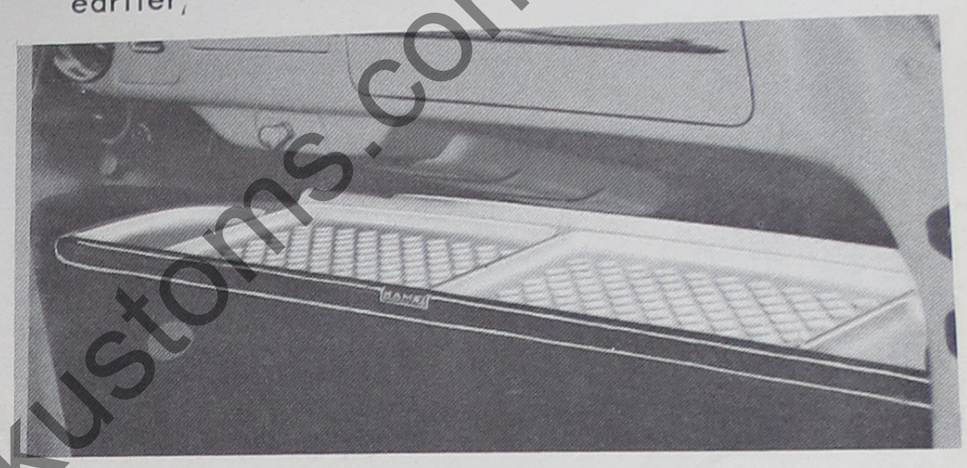


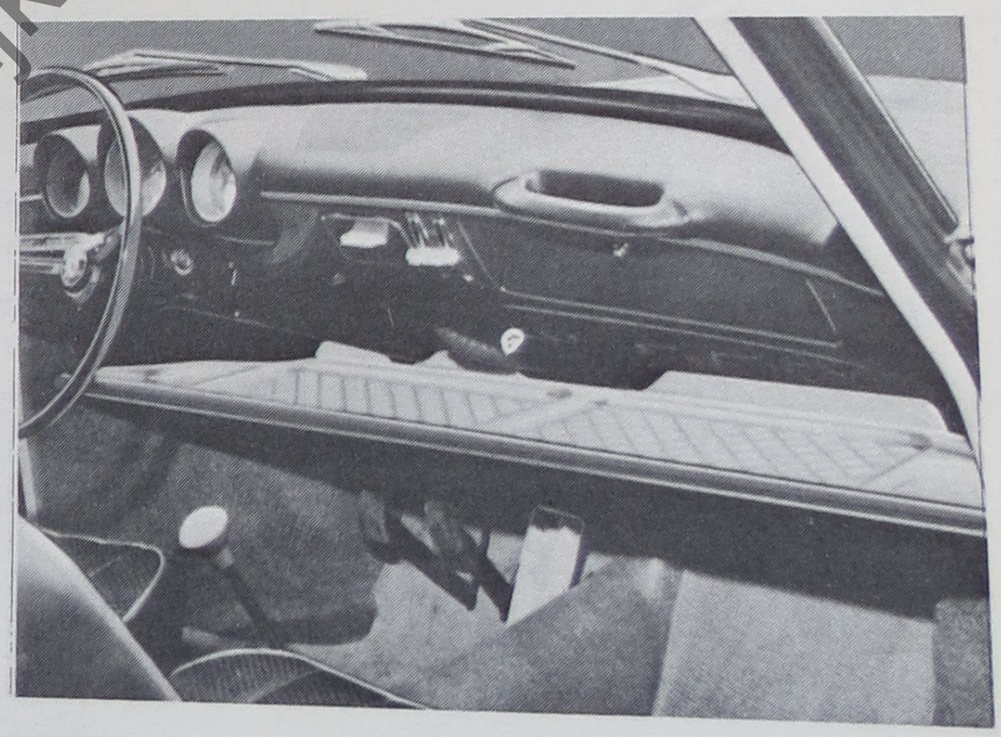
DRIVER'S PARCEL SHELF

Handy Parcel Shelf is just the right size to hold flashlight and other emergency equipment, maps, transistor radio, or ladies' purse. Mounts under the Volkswagen passenger-car dash at the left side for driver's convenience.

Size: 8-by-10 inches, 4 inches high at front. Construction: Light-weight enameled metal with rubber trim and felt covered inner surfaces.

APSV-310 Parcel Shelf, (under dash), drivers side, VW 1200, 1300, 1500 (type I vehicles), 1967–earlier,





FRONT PARCEL SHELF

New from EMPI, this quality-made front parcel shelf is a handy accessory for every VW owner. Sturdily constructed of light-weight plastic, shelf will contain practically anything you may need while traveling. Conveniently located under the dash for easy access. Installed easily.

APSV-311 Parcel Shelf, full length, VW 1200, 1300, 1500 (type I) '68 & earlier .
APSV-312 Parcel Shelf, full length, VW 1500, 1600, (type III) '68 & earlie-

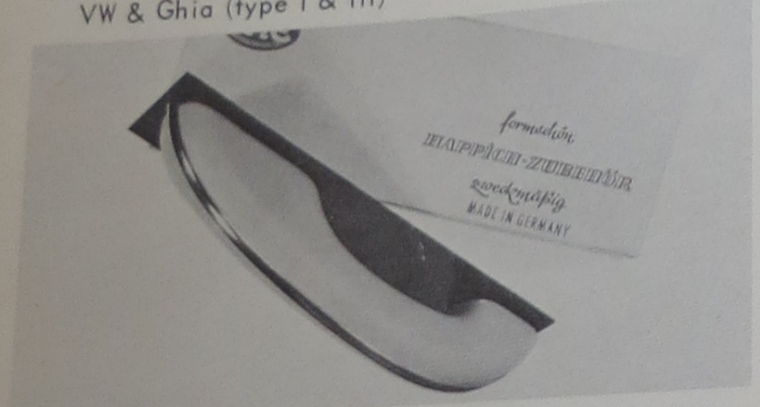
FREE © www.tjkustoms.com



GLOVE BOX PULL

If your Volkswagen's glove compartment is difficult to open, you need this highly polished chrome pull handle. Simplifies opening of the most stubborn glove compartments. Installation of handle requires only drilling of two small holes for mounting screws which are furnished.

ABPV-130 Glove Box Pull, chrome, 1967 & earlier VW & Ghia (type I & III)

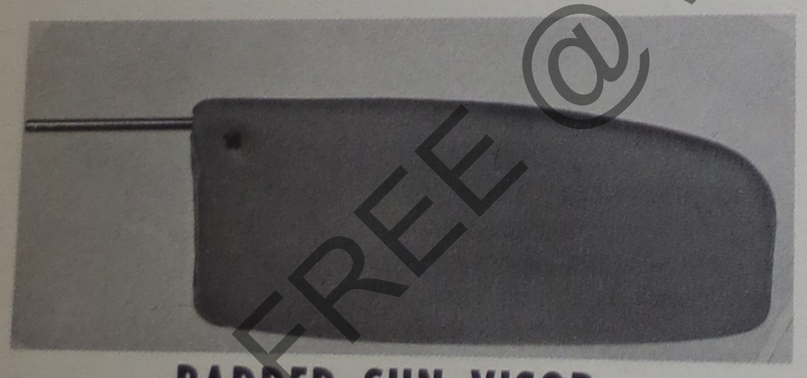


DRIVER'S ARM REST

For years Volkswagen owners have been adding this arm rest to the driver's side of their favorite car to provide a much-needed accessory the factory fails to include.

Even the most discriminating Volkswagen owners will put their stamp of approval on this high-quality made-in-Germany accessory. The design matches the right-side arm rest. Color choice: Silver Beige, Platinum, Oxford Grey, Iris Blue, Pigalle Red, Balearic Blue, Milan Beige, Pampas Green, Black.

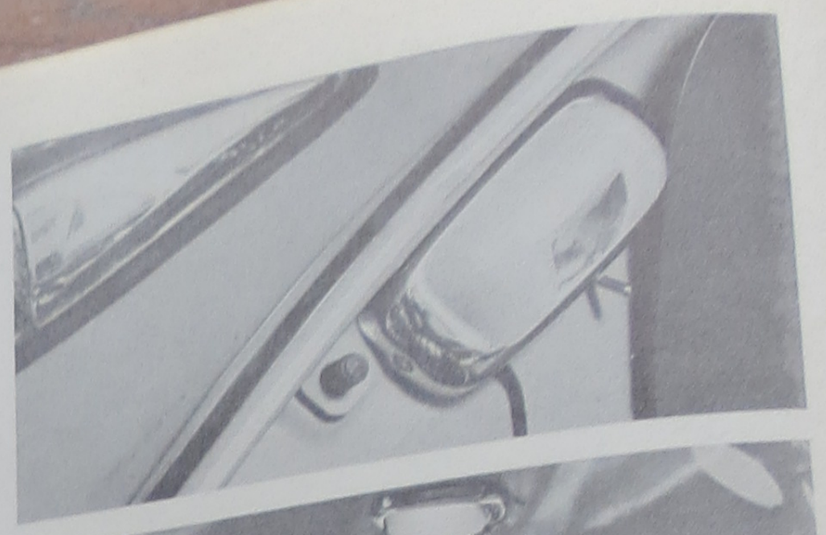
AARV-100 Left-Side Arm Rest

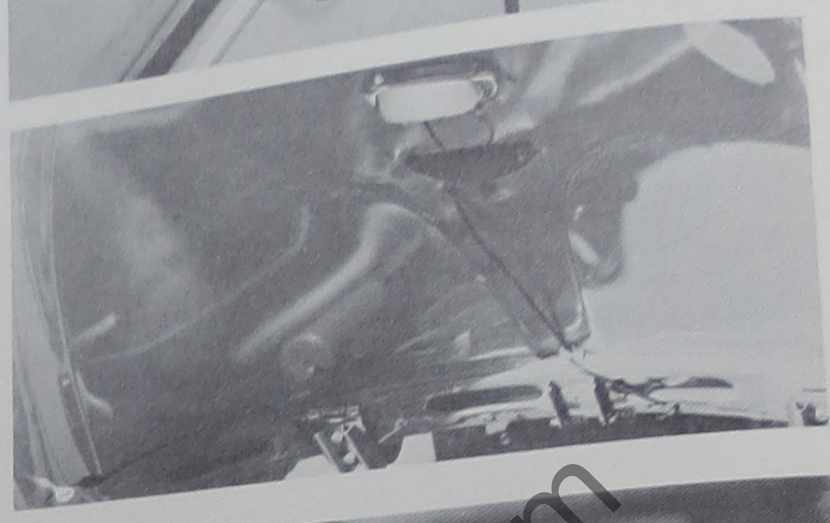


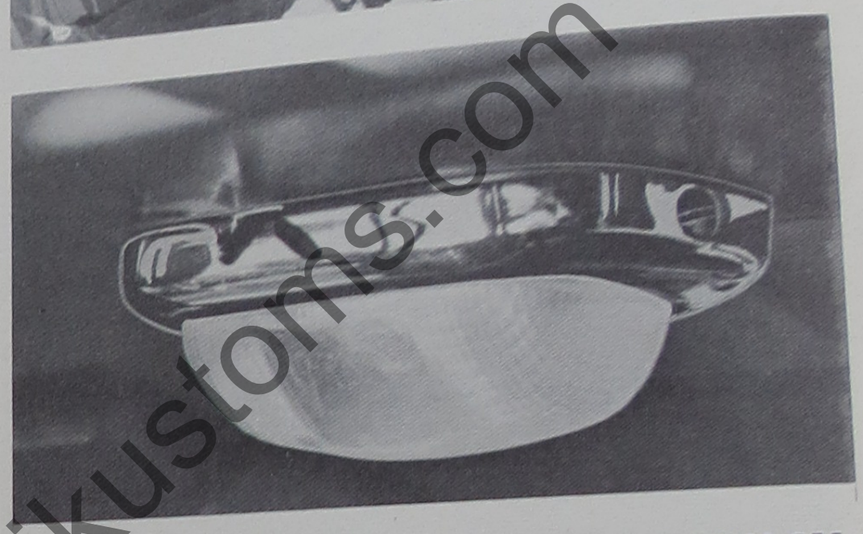
PADDED SUN VISOR

For use on the passenger side, in the '60 thru '63 VW sedan, sunroof or convertible. Also, for replacement of worn stock padded visor. Easily installed, the quality-made visor is an important safety asset for the VW.

ASVV-255 Padded Sun Visor, Passenger side, VW 1200 (type I only) '60–'63,







ALL-PURPOSE MAP OR EMERGENCY LIGHT

INSTALL-IT-YOURSELF

- **Inexpensive — Note EMPI's low price.**
- **Quality construction — Attractive chrome-finished case, built-in switch.**
- **Versatile — Use it many ways in your Volkswagen or other vehicle.**

A German manufacturer designed this quality chrome-plated fixture for use as an under-the-dash map light for the Volkswagen. Imaginative motorists are putting the light to other uses. Examples: Installed on engine compartment lid behind license plate, it serves as emergency light for after-dark engine repairs. It's also useful in luggage compartment of passenger car or cargo area of truck.

All drilled for mounting, map light has built-in switch, uses standard dome-light bulb. Simply fasten unit in place, ground it, and run wire (not furnished) to nearest electrical connector, and light is ready to use.

ARLX-320 Map Light with bulb, specify 6 or 12 volt

FREE @ www.tikustoms.com

GET MORE DRIVING PLEASURE from these useful EMPI accessories



DEFROSTER SHIELDS

These handy deflectors snap firmly in place – efficiently directing stream of hot air over entire windshield. A must accessory for winter driving. Made of clear plastic – no obstruction of vision.

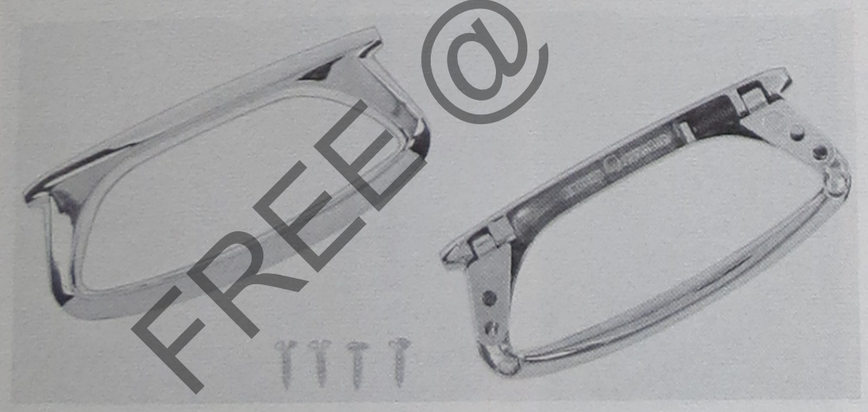
ADFV-125 Defroster Shields, all VW sedans, sunroofs, conv., (type I),



DOOR LATCH COVERS

Protect clothing from grease stains. Clip these spring loaded covers over the door latch. They slide in place in an instant – pay for themselves in cleaning bills.

ADLV-180 Door Latch Cover, all VW sedan (type I) '67 & earlier,



DOOR PULL HANDLE

Does your car need an inside door-pull handle? Door pulls give you a good grip on door and prevent damage to window cranks which are not stressed for use as a door pull.

Imported chrome-plated door-pull handles will attach to inside of door of almost any car. They're sold in sets of two, complete with attachment screws.

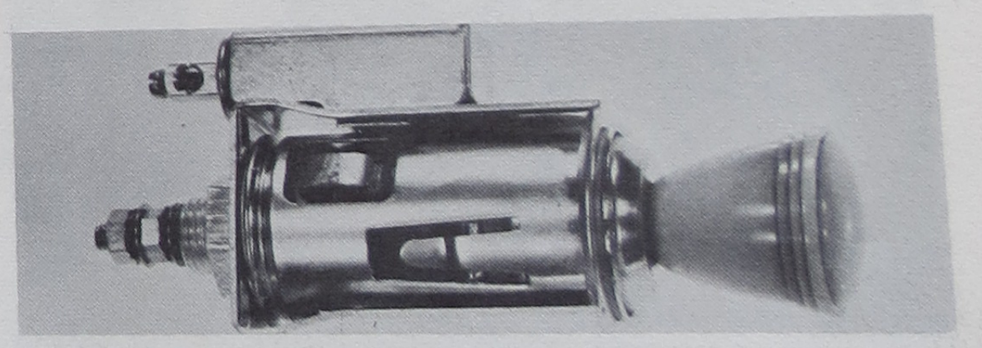
ADPV-190 Door Pulls, inside, chrome,



COMBINATION HARNESS—SEAT BELT

Safety engineers stress the value of seat belts PLUS shoulder harness. Easy to put on and adjust. Quick release metal-to-metal buckle, chrome plated. Lustrous black nylon web straps. Conforms to strength requirements of SAE-J4A and GSA-JJ-B-185A. Complete with all hardware and instructions. Black only. Fits either side.

ASHV-405 Safety Harness, combination safety belt & shoulder harness, 1200, 1300, 1500 VW (type I) '65–'67,



CIGARETTE LIGHTER

This imported cigarette lighter is the match-mate to your original VW-dash equipment. Complete with its own self-contained dash light, the lighter is built to give you service for the lifetime of your car.

ACLV-150 EMPI Cigarette Lighter, 6 volt
ACLV-151 EMPI Cigarette Lighter, 12 volt, (Not Illuminated) '67 only . .
ACLV-152 Cigarette Lighter, '68 only, 12 volt, with flush mounting safety knob .

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USEFUL EMPI ACCESSORIES
to insure lasting beauty for your car



INSIDE DOOR SILL GUARDS

The VW door frame, below the hinges, gets nicked, chipped and sadly scratched by shoe leather. These smart stainless steel shields fit easily in place . . . prevent scuffs and chips . . . help maintain the appearance and resale value of your car. Sold in pairs – left and right.

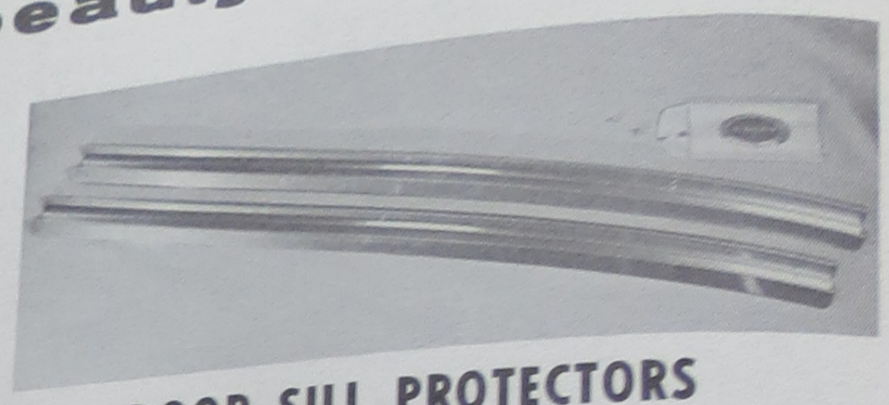
ADGV-170 Inside Door Sill Guard, VW 1200, 1300, 1500 sedan, sunroof, conv. (type I) 1968 & earlier, stainless steel,



DOOR CORNER GUARDS

Prevents corner of door from becoming nicked and scratched by shoes when getting in or out of front seat—keeps car looking new. Custom made of highest quality stainless steel—embossed with a subdued pattern. Easily installed in a few minutes.

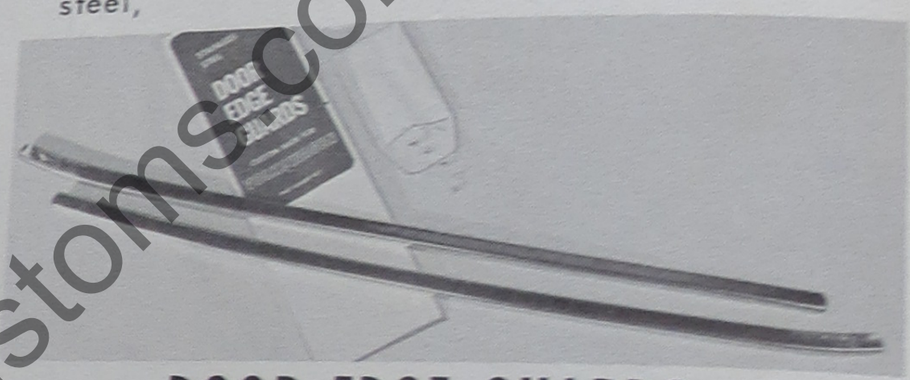
ADCV-185 Door Corner Guard, VW 1200, 1300, 1500 sedan, sunroof conv., (type I) 1968 & earlier, stainless steel,



DOOR SILL PROTECTORS

Made of stainless steel with embossed pattern to conceal scuffs. Cut to fit car exactly. Quick and easy to install. Saves finish of new car's sills indefinitely; and improves appearance of used cars.

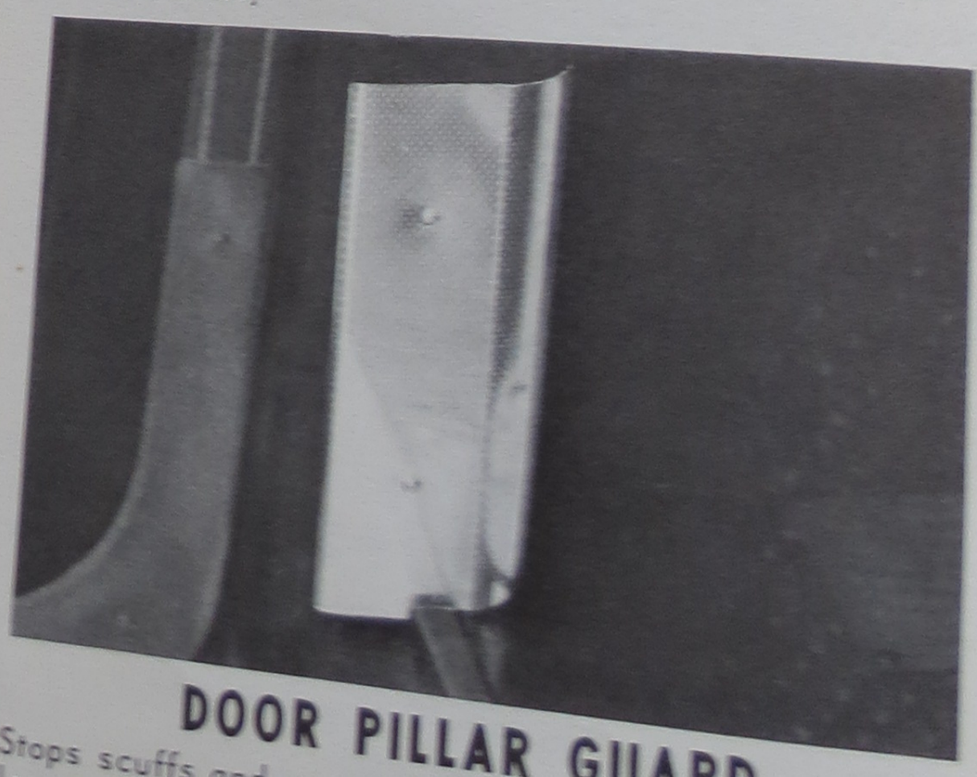
ASGV-480 Door Sill Guard, VW 1200, 1300, 1500 sedan, sunroof, conv., (type I) 1968 & earlier, stainless steel,



DOOR EDGE GUARDS

Custom made of stainless steel. Fits exactly, easily installed. Adds to appearance of car while guarding against scratches and paint chipping on door edges.

ADEX-485 Door Edge Guard, VW 1200, 1300, 1500 sedan, sunroof, conv., (type I) 1968 & earlier, stainless steel,



DOOR PILLAR GUARD

Stops scuffs and scratches . . . preserves the paint at low cost. High quality stainless steel. Easy to install.

ADGV-172 Door Pillar Guard, VW 1200, 1300, 1500 sedan, sunroof, conv., (type I) 1968 & earlier, stainless steel,

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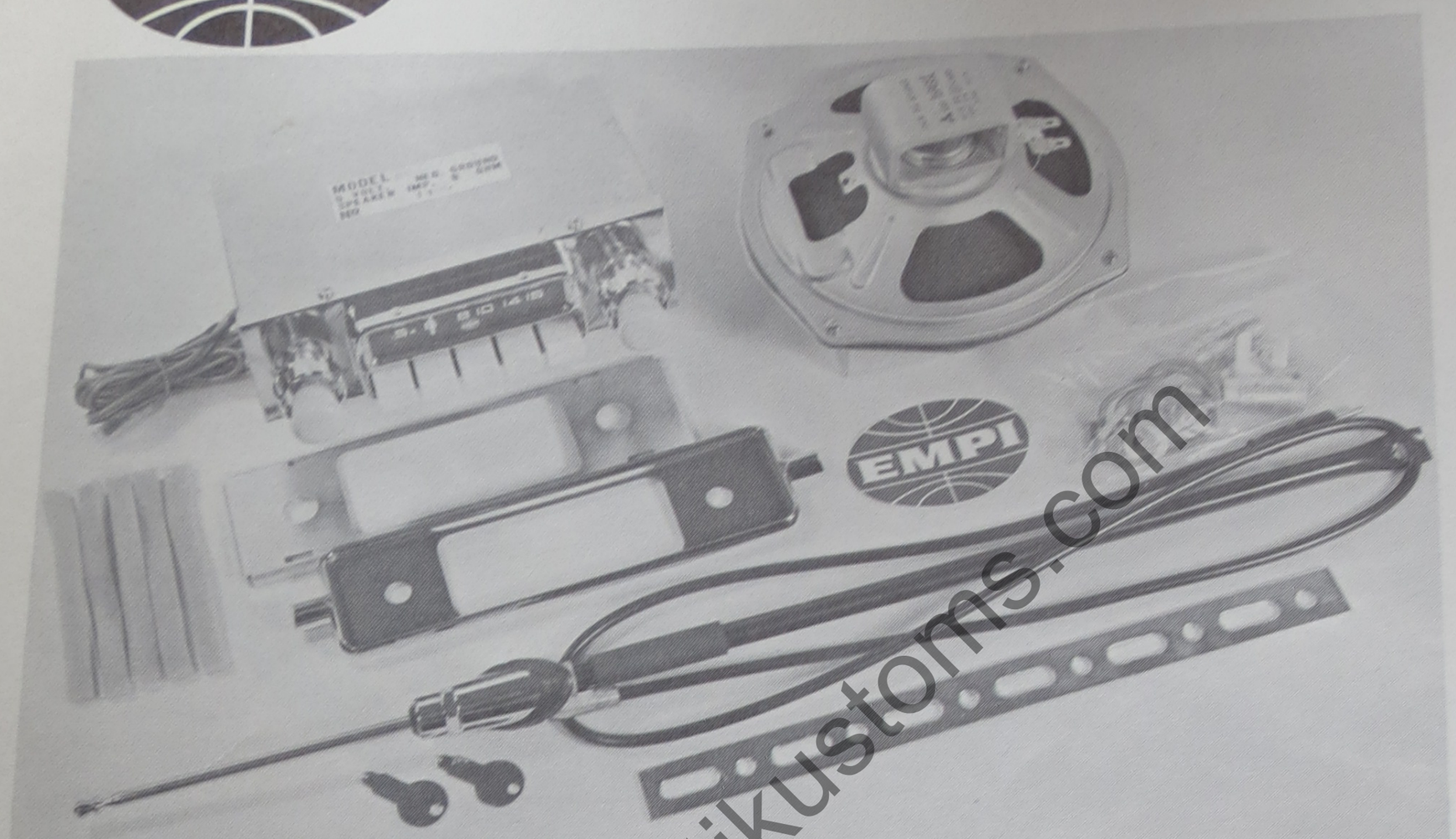
EMPI

Custom Designed, Transistorized CAR RADIOS
For All VW Passenger Cars



- PUSH-BUTTON TUNING
- EYE-APPEAL STYLING
- WIDE-COVERAGE WARRANTY – Parts and labor service provided throughout the U. S. and Canada.
- RETRACT AND LOCK ANTENNA – Included with each radio, at no extra cost!
- HIGH SENSITIVITY AND SELECTIVITY – Seven tuned circuits provide high selectivity (reject unwanted signals) while special RF stage amplifies weak signals of distant stations.
- ALL-TRANSISTOR CIRCUIT
- SPECIAL VOLKSWAGEN DESIGN

All-transistor circuits offer instant sound, plus low battery drain and high reliability. For pleasing-to-the-ear listening, five-watt audio output assures ample sound level. Automatic volume control minimizes annoying signal fluctuations. Wide-range Alnico speaker gives excellent response to both high and low tones. Tone control offers the artistic listener a bass-treble adjustment.

Specially made for the Volkswagen, the Retract-And-Lock antenna is equipped with a locking feature that foils vandals. It can be extended only after it is unlocked by owner's special key. Complete antenna unit includes telescoping antenna, with two keys, mounting bracket, 40-inch lead-in cable with standard connector fitting, mounting instructions.

Liberal one-year warranty covers labor and replacement parts.

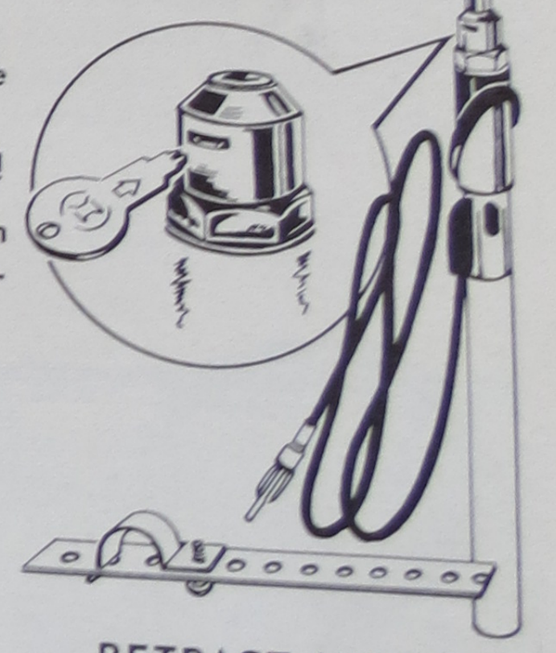
ARAV-120 AM Radio, pushbutton, w/retract & lock antenna, 1500 VW Type I, 1968 only

ARAV-100 AM Radio, all 1500 VW Sedans Type I, Sunroofs & Convertibles, 12 volt

ARAV-101 AM Radio, all 1500, 1600 series VWs, 12 volt

ARAG-107 AM Radio, pushbutton, w/retract & lock antenna, 1968 Ghia, 12 volt

ARAT-108 AM Radio pushbutton, w/retract & lock antenna, 1968 VW Truck-Bus-Transporter Type II, 12 volt



RETRACT-AND-LOCK ANTENNA

Fits all VW & Ghia 1200, 1300, and 1500 passenger cars.

ALAV-625



EMPI ENGINEERED MOTOR PRODUCTS, INC. • P.O. BOX 1120, RIVERSIDE, CALIF. 92502

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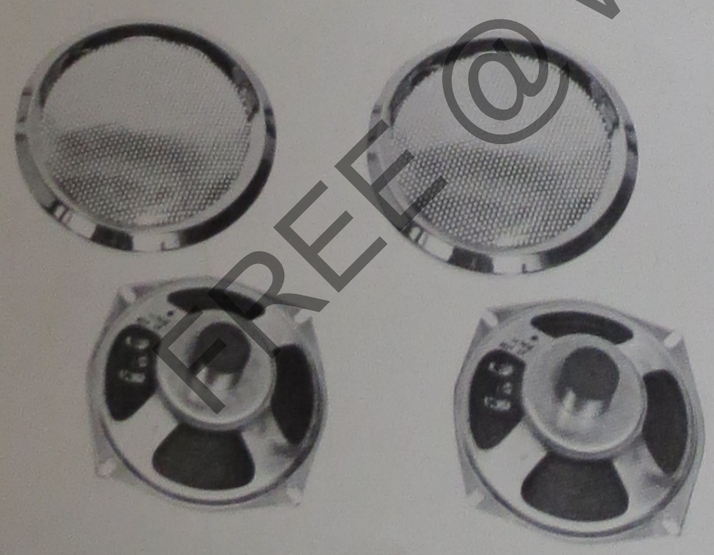
NEW! AN EMPI EXCLUSIVE

THE CUSTOM DESIGNED EMPI FM MULTIPLEX RADIO





Designed for the audio expert as well as those who love good music, the EMPI FM MultiPlex has features and performance you would expect from a far more expensive unit. You get concert hall sound with push button control. Its handsome black and chrome finish will complement any automobile interior. Comes with dual EMPI 5 1/4" speakers. Universal mounting brackets supplied allows mounting in any car.

ARAX-110 FM MultiPlex Radio, all 12V-N with two speakers

ALAV-625 Retract and Lock Antenna fits all VW & Ghia 1200, 1300 and 1500 Type I, '68 & earlier.

The Dual EMPI Speakers built-in quality insures that you will be strongly impressed by the clarity of reproduction in the amazingly lifelike sound. These EMPI speakers provide a superb sound in a difficult area where space is at a premium. Supplied with richly chromed bezel grid and wires. Can be mounted in kick panels or doors.

ASKX-225 Dual Speaker Kit, wire, chrome bezel and grid

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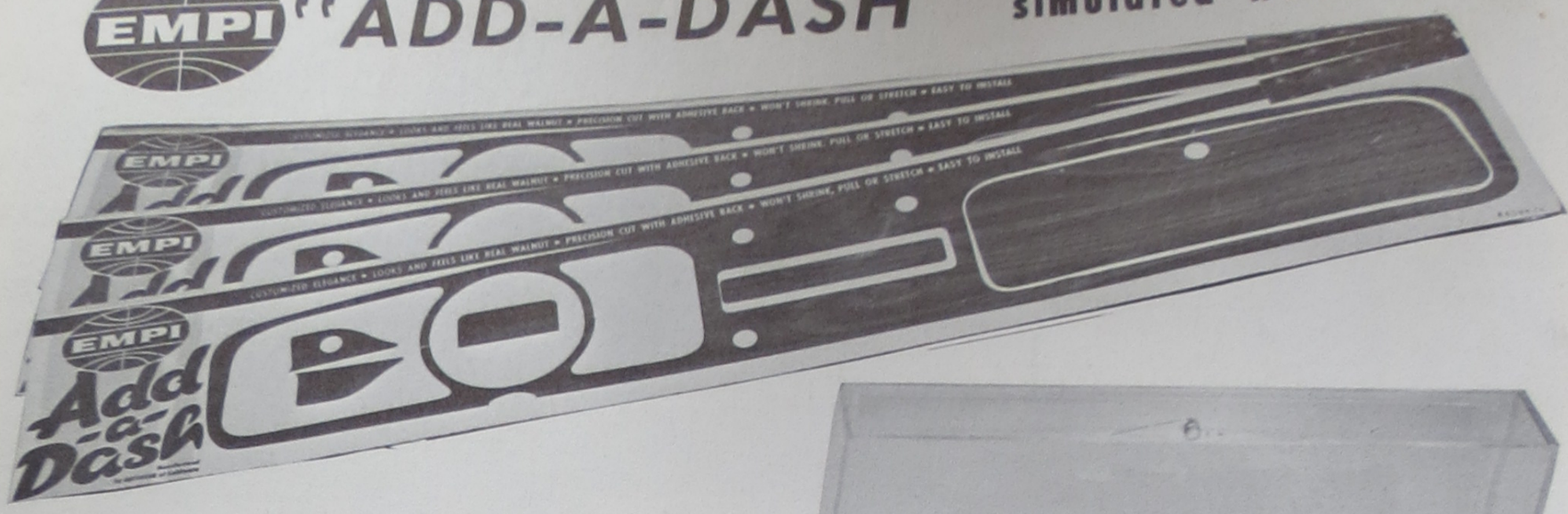
"ADD-A-DASH" simulated walnut panels

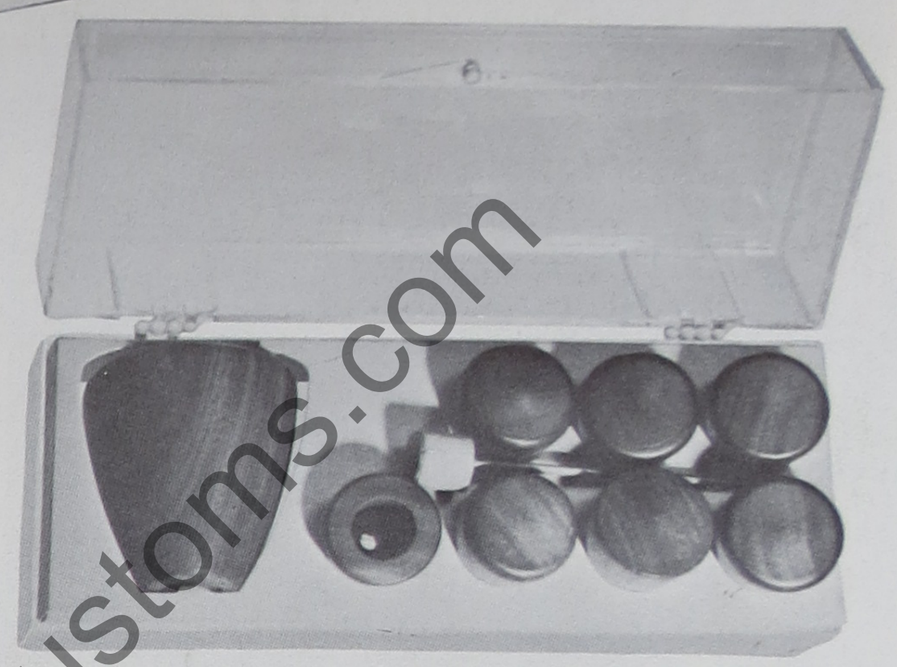


GET A CUSTOM - TRIM LOOK . . . WITH A WALNUT FINISHED DASH!

The luxurious effect of real Walnut wood panelling for your dash! Amazingly real! Looks and feels just like genuine Walnut, with beautiful grain and identical wood pattern of Walnut, embossed right into the surface; has the "hand-rubbed finish" effect.

Sized and cut to fit accurately with adhesive back that sticks permanently—won't shrink, pull or stretch. Set includes chrome adhesive trim panel to cover minor variations in size of radio, control knobs, etc. Resists stains from solvent, water, etc. Washable with mild soap and water. Easy-to-follow directions enclosed.

AADV-479 VW 1500 sedan, 1968
AADV-470 VW 1200, 63–65
AADG-471 Ghia 1200, 61—early 65
AADG-472 Ghia 1200, late 65
AADG-473 Ghia 1300
AADV-474 VW 1300
AADV-478 VW 1500 sedan, 1967
AADP-475 Porsche, 64–65
AADW-476 VW 1500 & 1600
AADP-477 Porsche 911-912, genuine walnut



EMPI WOOD KNOB SET

Dash Knob replacement and companion to the EMPI'S Add-A-Dash, EMPI'S Wood Knob Set in elegant genuine walnut will enhance the appearance of your car's interior. Precision made to fit—easy to install. Complete with genuine walnut shift knob.

ACKV-470 Wood Knob Set, replaces all dash knobs, 1967 VW sedan & all VW 1200 & 1300 sedans

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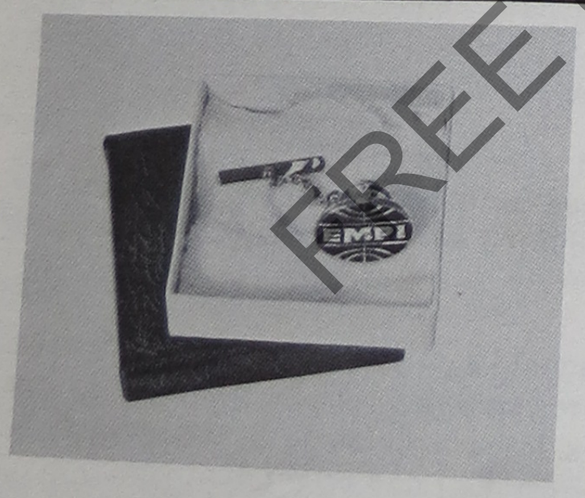


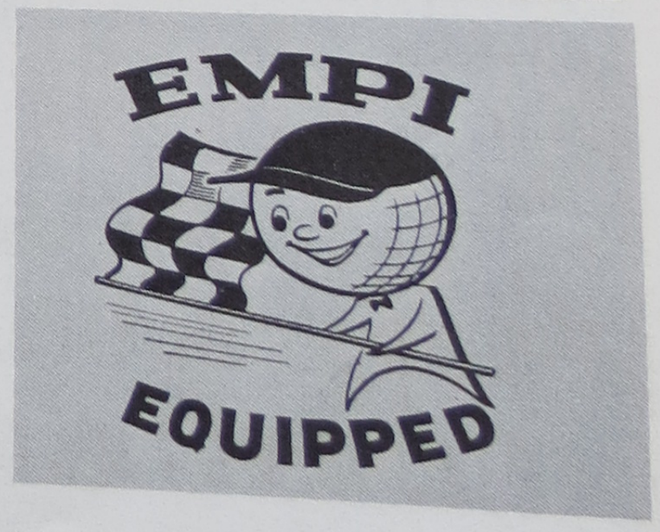
EMPI TIE TACK

Chrome & Blue EMPI emblem. Nicely finished; in jewelry box. Goes well with the woven emblem EMPI logo.
AXXX-100



EMPI WOVEN EMBLEM

Lustrous woven-thread logo emblems, Silver or Blue background, enhance any shirt or coverall on an EMPI racing team enthusiast.
AXXX-110

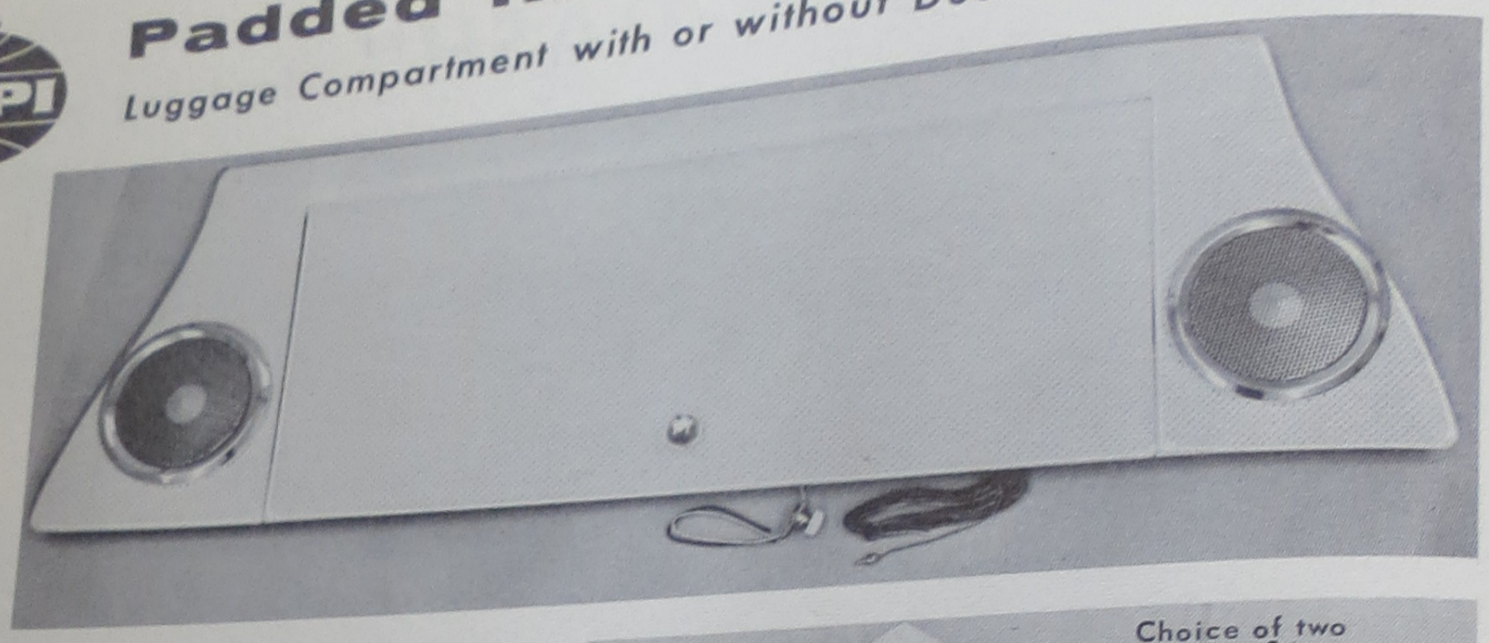


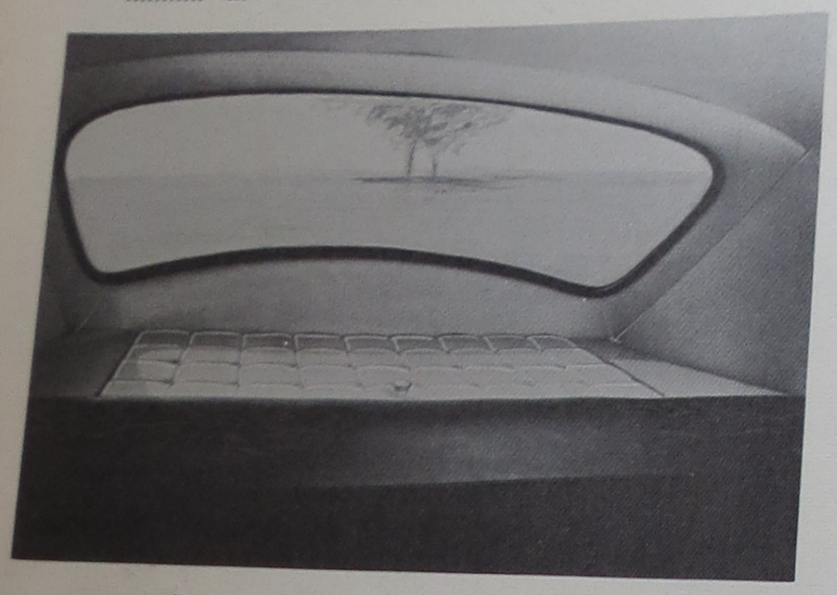
EMPI EQUIPPED DECAL

Modified beetles of all types, junior and senior, need these identifying EMPI window stickers. 3" deep, with adhesive face.
AXXX-120 .

Padded REAR DECK PANEL

Luggage Compartment with or without Dual Speakers





PADDED REAR SHELF with hinged center lid

REAR SHELF-with access door. Slides in - no mounting problem.
DELUXE-Quilted and tufted with chrome nail heads, has hinged center lid for easy entry to luggage and storage area. Supplied in silver beige for interior match. Padded and insulated to reduce engine noise. No installation problems, simply slide into place.
ARSV-340 Rear Shelf.

NEW! FIBERGLASS REAR SHELF

ARSV-345 Rear Shelf, fiberglass, lift out center, specify white or black, '68 VW, Type I

ARSV-346 Rear Shelf, fiberglass, lift out center, with dual speakers, '68 VW Type I, specify white or black

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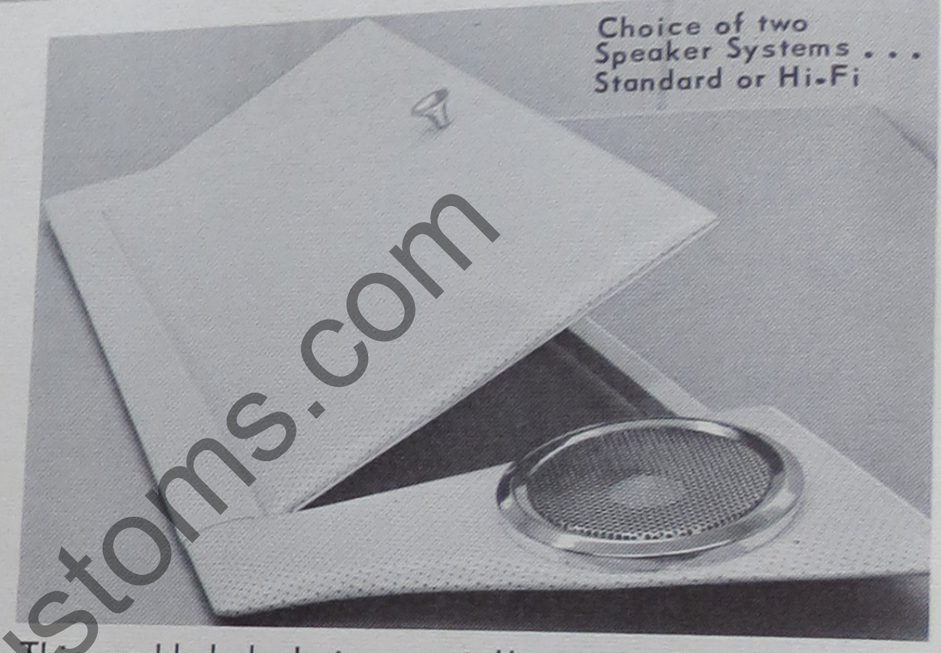
Choice of two Speaker Systems . . . Standard or Hi-Fi



This padded deck is specially made for VW sedans . . . just slides into place behind the rear seat . . . no cutting or fitting required. The Vinyl Covering is a perfect match for the VW headliner . . . identical in color and pattern.

EMPI offers this unit as a plain deck panel, or with a choice of dual-speaker systems, built-in and pre-wired across. Included with each speaker system are 3-way control switches, connecting wire, and directions to install in 15 minutes. These speakers operate in unison from the radio volume control.

The special Hi-Fi speakers are 5" circular 'Metro-Vox' units, designed for automotive use, with glorious tone and range, mounted with heavy chrome bezel and grid.

The basic deck panel is fully padded with soft foam across the entire top and door. The lift-top door, size 28" x 12", allows large articles to be stored, safely out of sight, free from dust and bright sunlight.

ARSV-342 Padded Rear Deck

ARSV-343 Padded Rear Deck with standard speakers.

ARSV-344 Padded Rear Deck with special Hi-Fi speakers

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SAFETY FIRST

THE TRADEMARK OF THE FABULOUS EMPI SPRINT STAR WHEELS

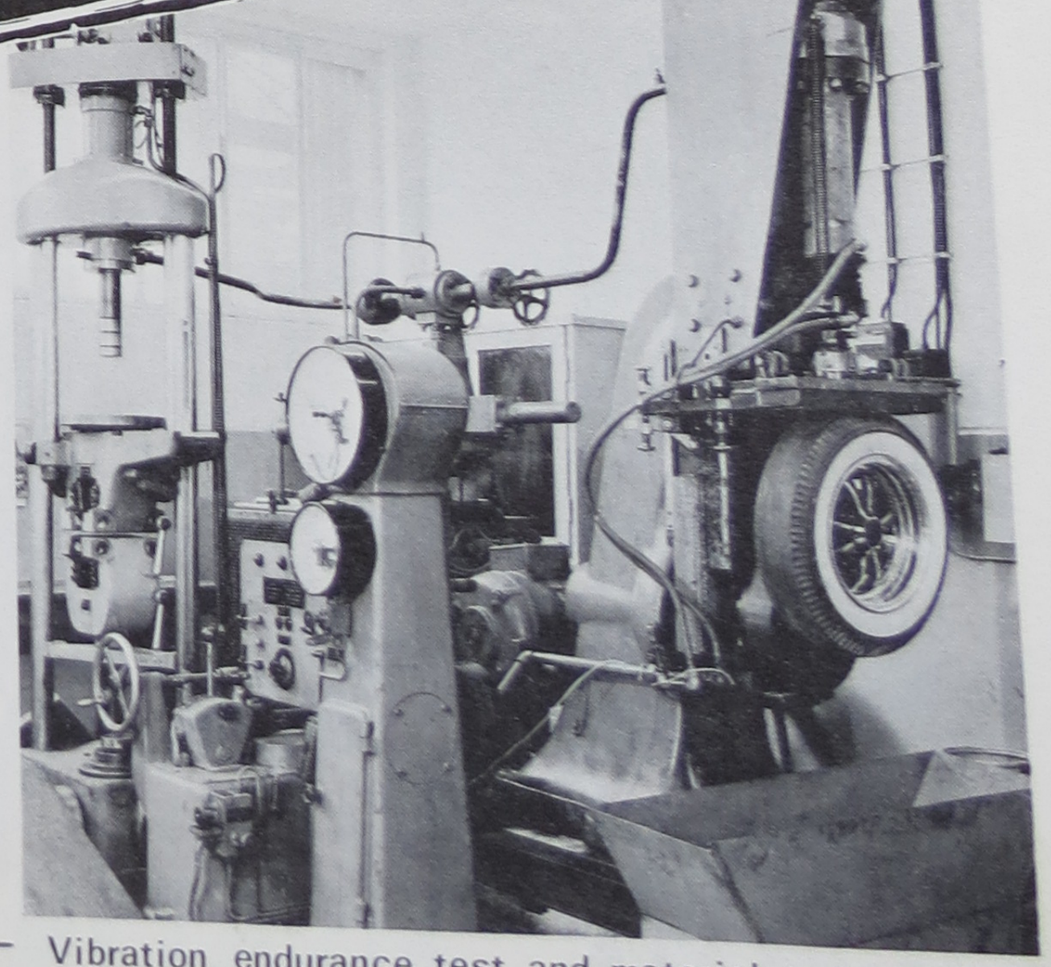
Tested under the most rigid conditions by EMPI's German manufacturer, supplier of original and special wheels for PORSCHE, it is our opinion that these wheels are far SUPERIOR IN STRENGTH to any other wheel offered on the market today!

The specifications in Germany for OEM wheels require a minimum endurance of 30,000 revolutions during side skid tests in order to be acceptable by the German automobile manufacturers.

Standard VW wheels, tested under a load of 160 KPM, withstood endurances of 50,000 to 120,000 revolutions during side skid tests.

The EMPI SPRINT STAR WHEELS, tested under loads of 175 to 183 KPM, withstood endurances of 66,000 to 320,000 revolutions during side skid tests.

These tests show that the EMPI SPRINT STAR WHEELS are from 3 to 10 TIMES STRONGER than the original equipment manufacturers requirements.



Vibration endurance test and material test stand.

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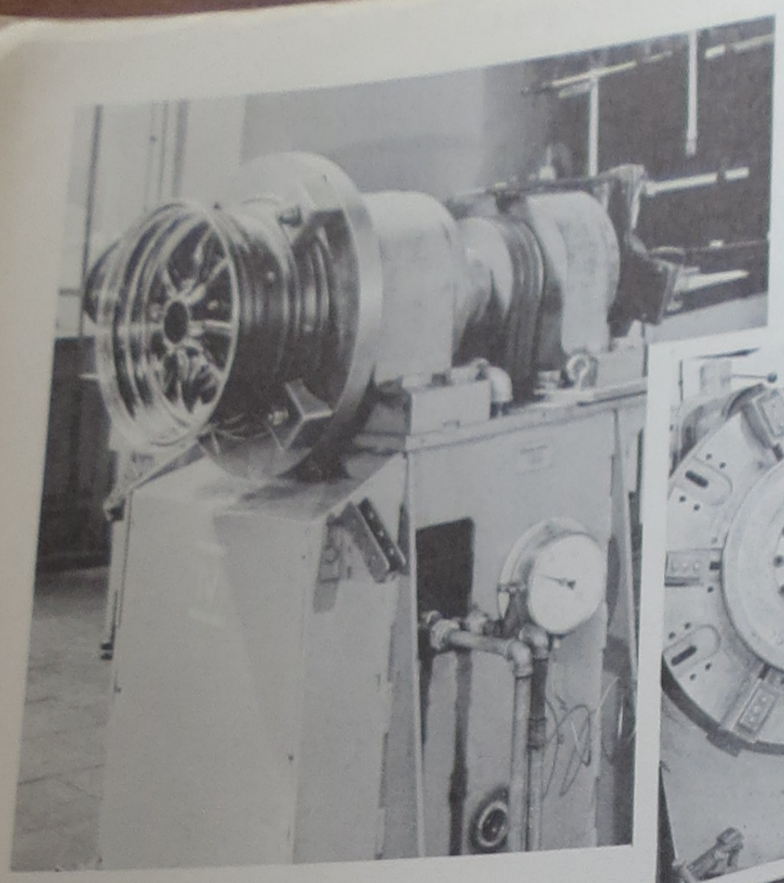
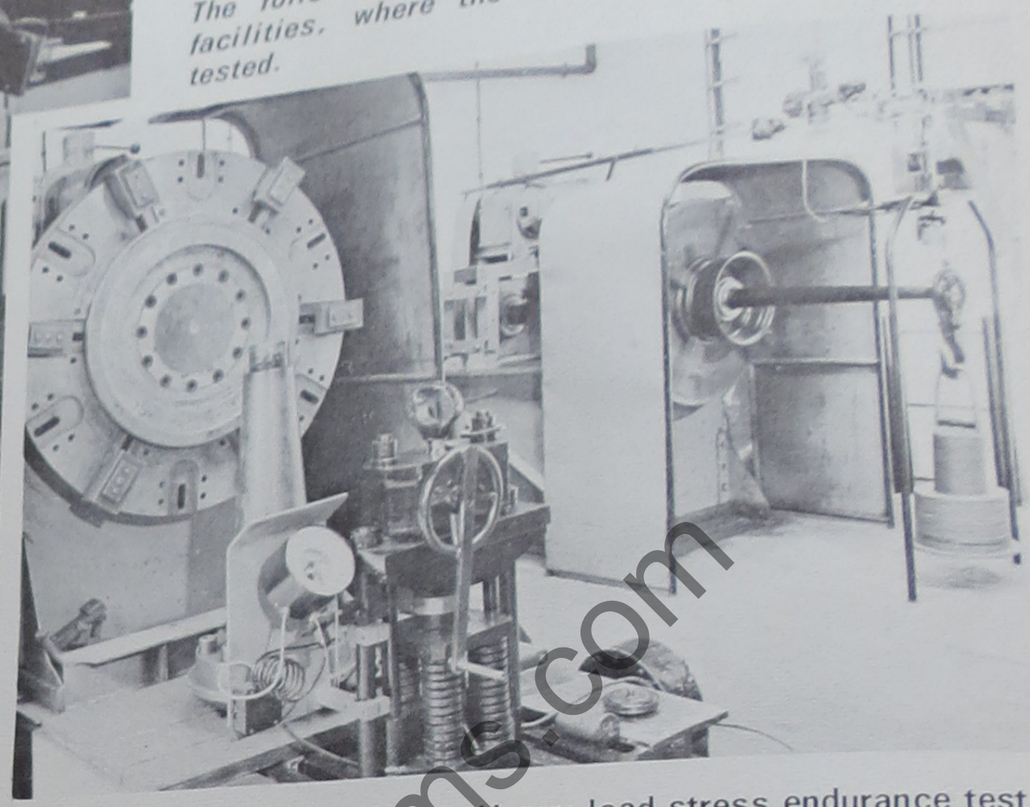
All EMPI road wheels conform to and exceed all applicable federal motor vehicle safety standards.

The following pictures show the extensive testing facilities, where the EMPI Sprint Star Wheels are tested.



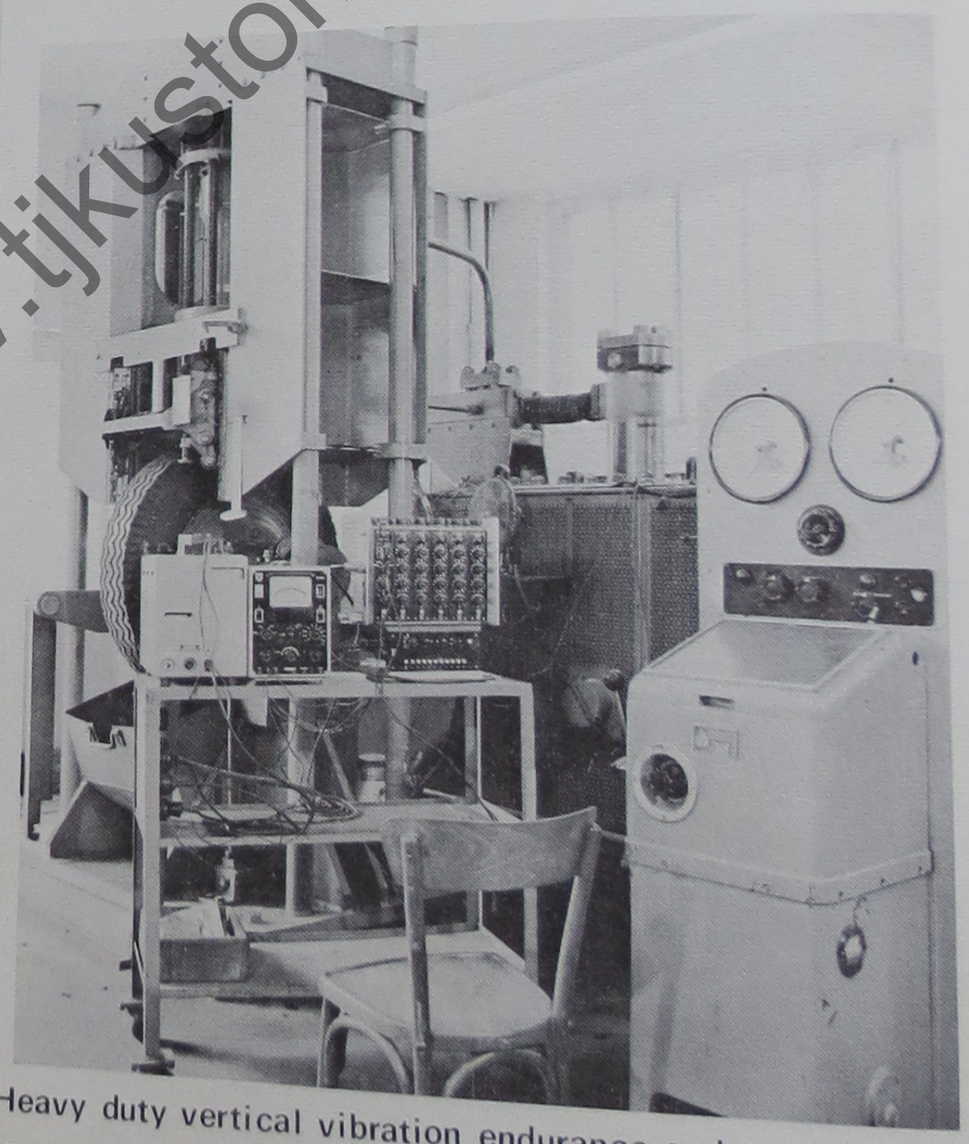
Stress endurance test.



Heavy load stress endurance test.



Corrosion test – wheel is subjected to salt-water spray for 96 hours testing chrome plating quality.



Heavy duty vertical vibration endurance and tension test.

FREE © www.tjkustoms.com

EMPI

FIRST IN CUSTOM WHEELS FOR VW

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Wheels are

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EMPI

the proven leader of VW high performance equipment, opens a new world of motoring enjoyment with a whole new line-up of custom wheels.

These daring wheels are designed for the new four bolt pattern found on all 1967 and later VW's and Ghias.

Unlike most of the countless custom wheels offered for VW, EMPI's wheels are designed to be used only for Volkswagen.

This distinction is very important to the buyer because all EMPI wheels are fitted without the use of wheel adapters! This feature not only saves the money normally spent for adapters, but results in easier installation and lower unsprung weight, thus enhancing the handling qualities of the car.

See for yourself why EMPI leads the way in Volkswagen custom wheels.

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EMPI's WONDERFUL WORLD OF Wheels

PLEASE FOLD OUT

NOTE: All EMPI Wheels are extensively tested and conform to all applicable federal motor vehicle safety standards.

All EMPI road wheels conform to and exceed all applicable federal motor vehicle safety standards.

e following pictures show the extensive testing ilities, where the EMPI Sprint Star Wheels are ed.

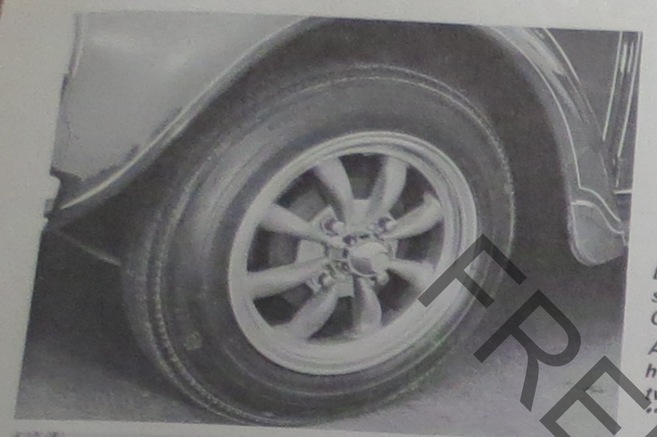


Heavy load stress endurance test.



nd tension test.

R VW





Type I — '68 sedan & Ghia w/automatic stick shift, '69 sedan & Ghia w/4-speed & automatic stick shift.





Type III — '68 with automatic transmission, '69 all 4-speed and automatic transmission.

EMPI GT SPYDER WHEELS

Breathtaking styling, engineering excellence, and tested strength — three ingredients that make up EMPI's new GT Spyder Wheel.

Actually, the GT Spyder is not that simple. Countless hours of design work were spent to perfect a super-light, two piece alloy wheel that still delivered the freshest "IN" look for the Volkswagen.

The EMPI GT Spyder Wheel comes in many variations of finish, sizes and tire types, 14" or 15" diameter.



Brakes are air cooled by specially cast ribbed rims, wheels run cooler, reduces brake fade. Note the spoke webbing designed for the maximum strength without adding weight. EMPI's GT Spyder split wheels are all aluminum, NOT a spoke casting mounted in a steel rim.

AMWX-652 EMPI GT Spyder Wheel, tube type, 5-3/8" rim, 15". All VW w/4 lug attachment. Supplied w/4 studs, 4 chrome acorn nuts, chrome plated hub cap. Sand cast ( ), mag grey ( )

AMWX-648 EMPI GT Spyder Wheel, tube type, 5-3/8" rim, 14". All VW w/4 lug attachment. Supplied w/4 studs, 4 chrome acorn nuts, chrome plated hub cap. Sand cast ( ), mag grey ( )

AMWX-654 EMPI GT Spyder Wheel, tubeless, 5-3/8" rim, 15". All VW w/4 lug attachment. Supplied w/4 studs, 4 chrome acorn nuts, chrome plated hub cap. Sand cast ( ), mag grey ( )

AMWX-647 EMPI GT Spyder Wheel, tubeless, 5-3/8" rim, 14". All VW w/4 lug attachment. Supplied w/4 studs, 4 chrome acorn nuts, chrome plated hub cap. Sand cast ( ), mag grey ( )



EMPI SPRINT STAR WHEELS

The style leader of steel wheels. EMPI's Sprint Star design for '67 and '69 VW's and Ghias comes in numerous variations of width, finish and offset. You may choose from a "mag grey" or chrome plate finish. Never before has a steel wheel been offered with styling anywhere near that of the fabulous Sprint Star.

Laboratory tests have proven the EMPI Sprint Star to be one of the world's strongest automotive wheels, 3 times stronger than the standard VW wheel.



The EMPI Sprint Star Wheels will fit the following VW models:

AOWX-688/689 — 1968/69 Type 1 sedans and conv. only.

AOWX-690/691 — 1967-69 all VW's with 4-lug mounting.







Each wheel is wider than stock and 1/2" offset for "super-wide" track. Comes with 4-1/2 or 5-1/2 inch rims. Durable all-steel construction with permanent arc-welded center. Available with black background accents in triple chrome plating or magnesium grey finish. Chrome plated hub cap and lug bolts included.

AOWX-688 Sprint Star Wheel, chrome, 5-1/2" rim, 1/2" offset, 15". All VW w/4 lug attachment. Chrome hub cap & lug bolts included. Each

AOWX-689 Sprint Star Wheel, mag grey finish, 5-1/2" rim, 1/2" offset, 15". All VW w/4 lug attachment. Chrome hub cap & lug bolts included

AOWX-690 Sprint Star Wheel, chrome, 4-1/2" rim, no offset, 15". All VW w/4 lug attachment. Chrome hub cap and lug bolts included.

AOWX-691 Sprint Star Wheel, mag grey finish, 4-1/2" rim, no offset, 15". All VW w/4 lug attachment. Chrome hub cap & lug bolts included.

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EMPI PORSCHE STYLE WHEELS

A great favorite over the years, available in a great variety of models to suit your individual preference. Do not confuse these high-quality imported wheels with cheaper imitations. All steel construction with arc-welded center section which features the Porsche-style slotted design for improved brake cooling. Most models have wider than stock rims and/or offset for wider track to improve appearance and handling.

AOWX-664 Porsche style Wheel, chrome, 4-1/2" rim, stock offset. All VW w/4 lug, no clips.

AOWX-671 Porsche style Wheel, chrome, 5-1/2" rim, 1/2" offset. All VW w/4 lug, no clips, reverse rim style.



AOWX-664 Will fit all 1967-1968 VW's with 4 lug mounting.
AOWX-671 Will fit 1968-1969 type I sedan and convertibles only.

EMPI WHEEL ACCESSORIES

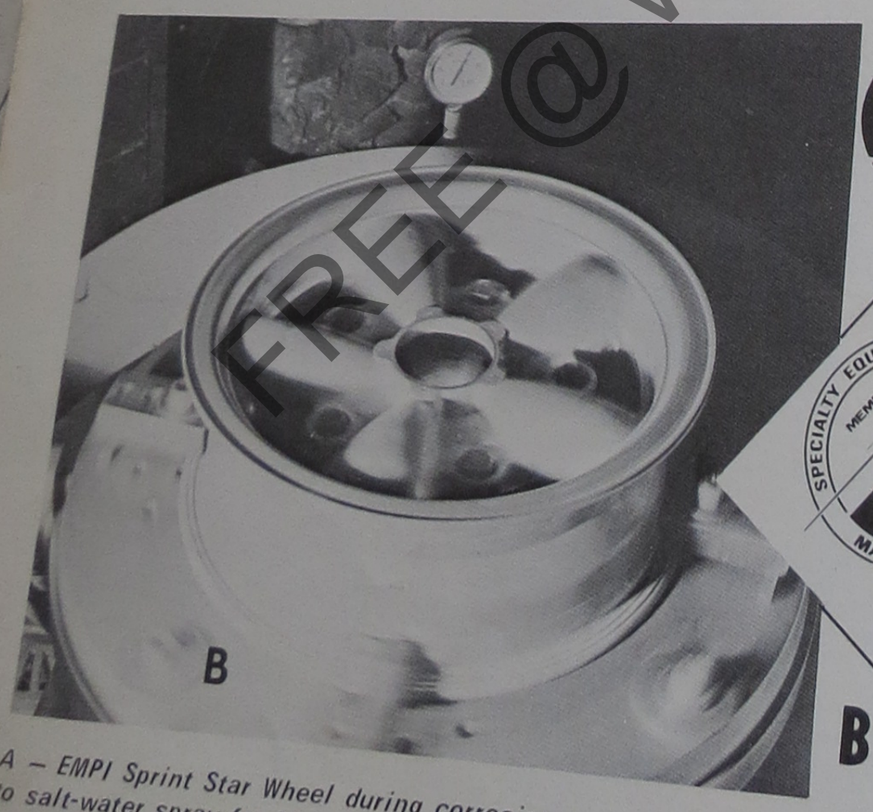
ASRS-710 EMPI Replacement Stud for GT Spyder Wheel 14mm, both ends for VW 4 lug attachment.

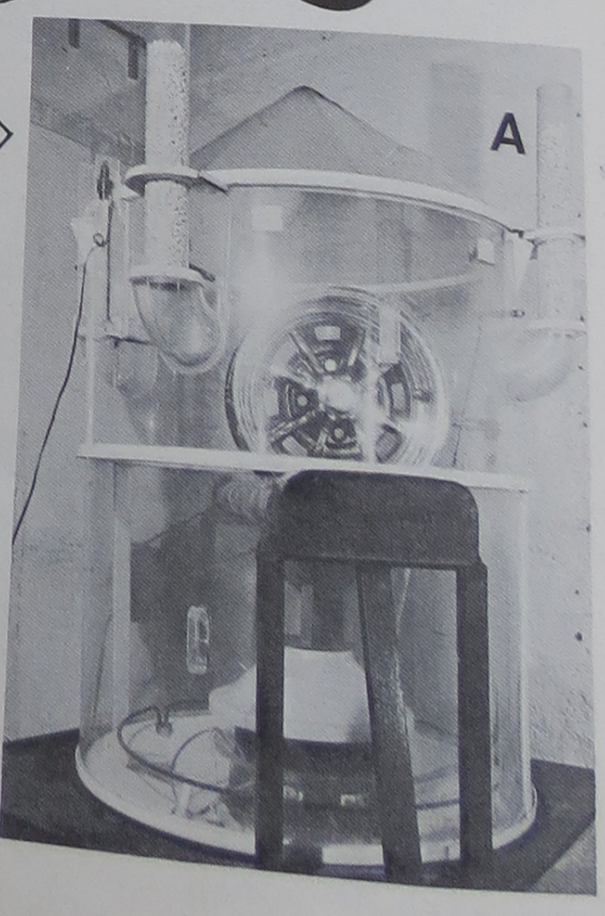
ASLN-610 EMPI Chrome Lug Nut, 14mm as used with EMPI GT Spyder Wheel.

ASSW-800 Retaining Washer, cad plated, 14mm I.D., as used w/EMPI GT Spyder Wheels.

ARHC-630 EMPI Chrome Hub Cap as used w/EMPI GT Spyder Wheels w/4 lug attachment.

ARHC-610 EMPI Chrome Hub Cap as used w/all Sprint Star Wheels.





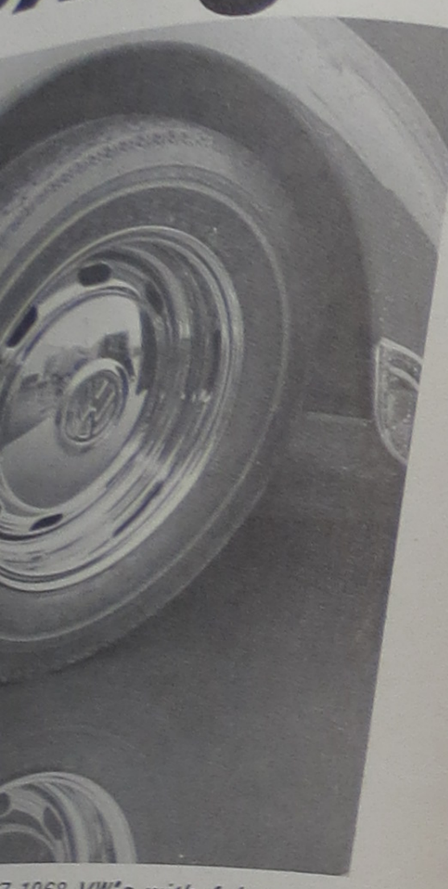
A – EMPI Sprint Star Wheel during corrosion test – subjected to salt-water spray for 96 hours testing chrome plating quality.
B – EMPI GT Alloy Wheel tested by SEMA – conducting side load tests equivalent to a continuous 4 hour sideway–sliding of car.

SPECIALTY EQUIPMENT MEMBER SEMA MANUFACTURERS ASSOCIATION

EMPI WHEELS HAVE BEEN PUT TO THE TEST!

FREE @ www.tjkustoms.com

...Wheels

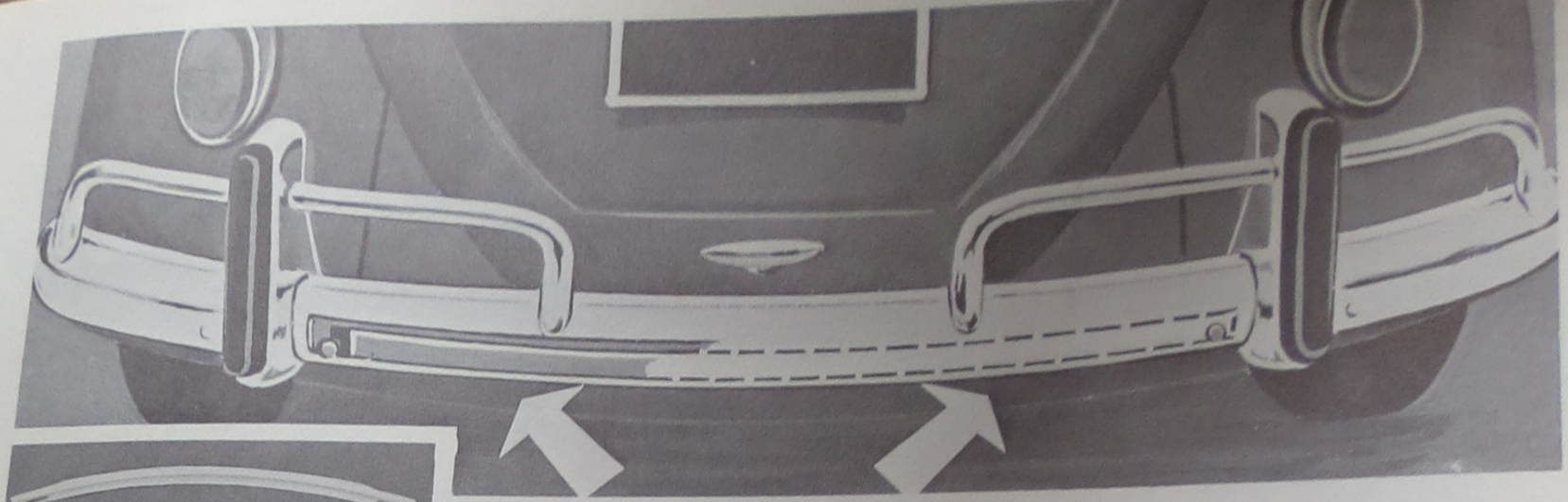


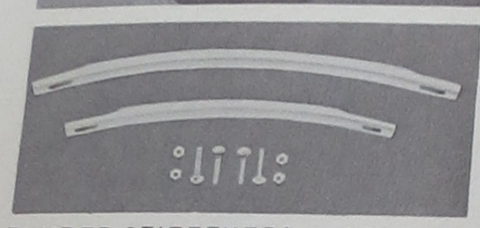
...7-1968 VW's with 4 lug

...969 type I sedan and

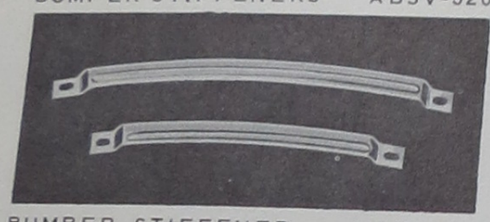
...Wheels



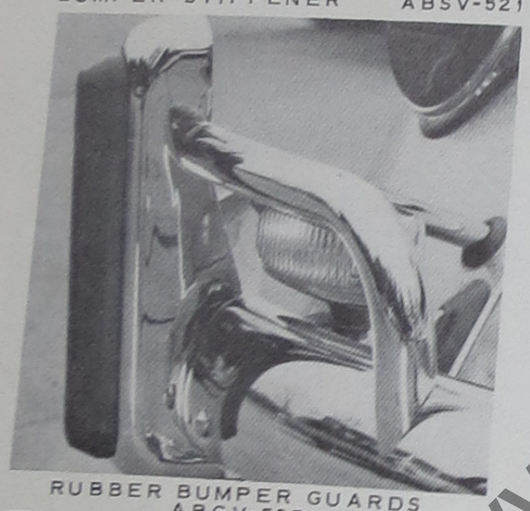




BUMPER STIFFENERS ABSV-520



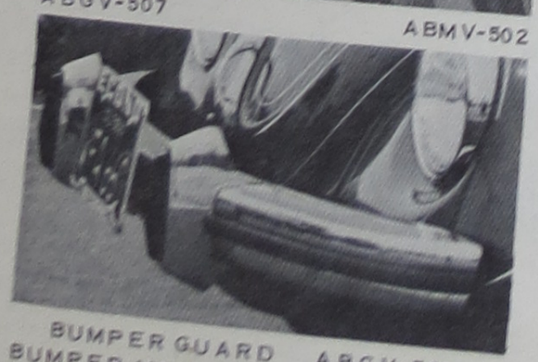
BUMPER STIFFENER ABSV-521



RUBBER BUMPER GUARDS
ABGV-505



ABGV-507 ABMV-502



BUMPER GUARD ABGV-507
BUMPER MOULDING ABMV-502

BUMPER PROTECTION

FOR VW'S (TYPE 1) '54 -'68

PROTECT YOUR BUMPERS AND BUMPER GUARDS

Have your stock Volkswagen bumpers and bumper guards been battered by those two-ton wheeled monsters who slam-bang into parking place with the care-free elegance of a tipsy elephant?

Replace your bent, scarred, and rusted guards with EMPI's new, handsome heavy-duty Rubber Protected Bumper Guards. Reinforce stock bumpers with sturdy EMPI Bumper stiffeners.

FLAT BUMPER STIFFENERS

Cadmium plated, heavy gauge flat steel bars, shaped and stress-ribbed . . . absorb all but the most severe blows. Reliable bumper protection. Rust and corrosion resistant. Easily installed.

ABSV-521 Flat Bumper Stiffeners

PROTECTIVE BUMPER STIFFENERS OF HEAVY STEEL TUBING

Did you know that when you open your VW engine deck lid, there is only ¼ inch clearance between it and your rear bumper. Of course this is more than adequate unless somebody bends your bumper. But now you can forget about bent bumpers and deck lids that won't open. EMPI bumper stiffeners, made of heavy duty tubular steel, defy the the most vicious bumps from heavy Detroit cars or careless parking.

Front and rear stiffeners are cadmium plated to prevent rust and corrosion. They go inside the bumper so they never show.

Complete kit consists of front and rear stiffeners plus attachment hardware. Easy to install—no drilling, cutting, or welding required.

ABSV-520 Bumper Stiffeners,

HEAVY RUBBER STRIP PROTECTS BUMPER GUARDS

Heavy strip of quality black rubber protects these new chrome-plated bumper guards.

Reinforced inside the rubber with 14 gauge steel to stand repeated bumps.

They fasten quickly and precisely in place on any Volkswagen passenger-car bumper. Nothing to drill or weld – use only a simple wrench to do the job.

EMPI Bumper Guards may be used interchangeably on front or rear bumpers, left or right side, on all VW sedans, sunroofs, and convertibes.

ABGV-505 EMPI Bumper Guards, type I, VW 1967 & earlier

ABGV-507 Bumper Guards, chrome w/rubber overrider, 1500 VW (type I) 1968 model,

ABMV-502 Bumper Mouldings, rubber, '68 type I,

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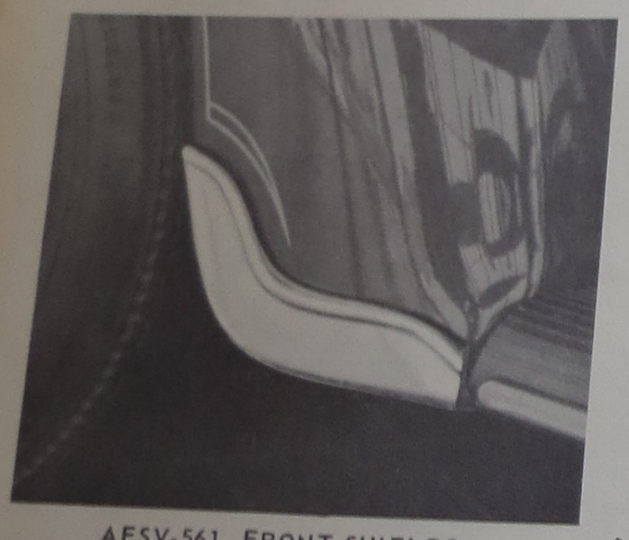
BUMPER BARS FOR VW'S (TYPE 1) FROM '54-'68

Beauty plus protection!
Heavily chromed!

For double insurance against parking lot mayhem and the everyday scrapes, bumps, nicks and jars of parking, you can keep that showroom finish longer with a set of EMPI's new spring steel bumper bars.

Spring steel bars for front and rear VW bumper protection. Heat treated and triple plated with high polish. Simple, quick installation. Set of front and rear bars comes complete with chromed hardware.

ABBV-500 Bumper Bar Set, front & rear, VW (type 1), 1967-earlier



AFSV-561 FRONT SHIELDS

EMPI FENDER SHIELDS



AFSV-560 REAR SHIELDS

FENDERS NEED PROTECTION FROM FLYING GRAVEL

Highly polished EMPI Front and Rear Fender Shields add class to any VW, while protecting the most vulnerable part of the fenders from flying rocks and gravel. Fender shields are easy to install and are supplied with rubber mounting gaskets to insure rattle-free fit.

FRONT FENDER SHIELDS

AFSV-561 Front Fender Shields, chrome plated, VW 1200, 1300 & 1500 (type I), 1968-earlier,

AFSW-563 Front Fender Shields, chrome plated, VW 1600 (type III), 1968-earlier,

REAR FENDER SHIELDS

AFSV-560 Rear Fender Shields, chrome plated, VW 1200, 1300 & 1500 (type I), 1968-earlier,

AFSW-564 Rear Fender Shields, chrome plated, VW 1600 (type III), 1968-earlier,

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'68

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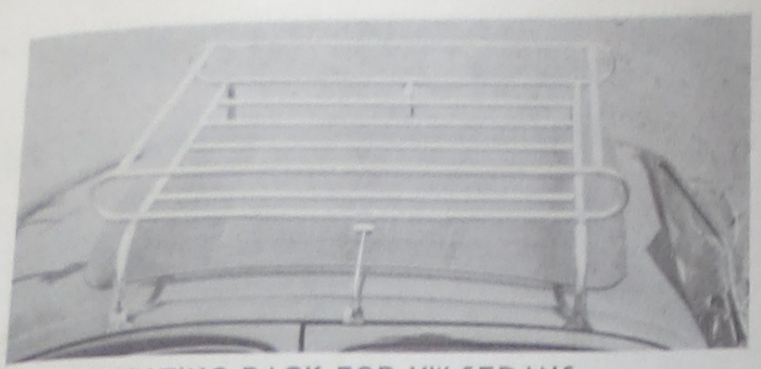
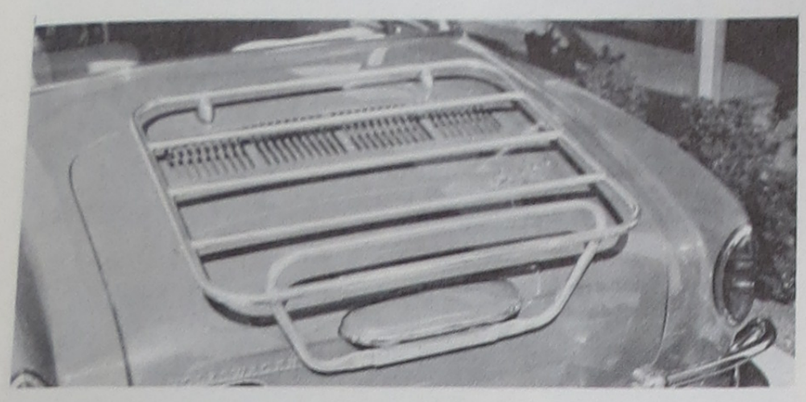
rear bars

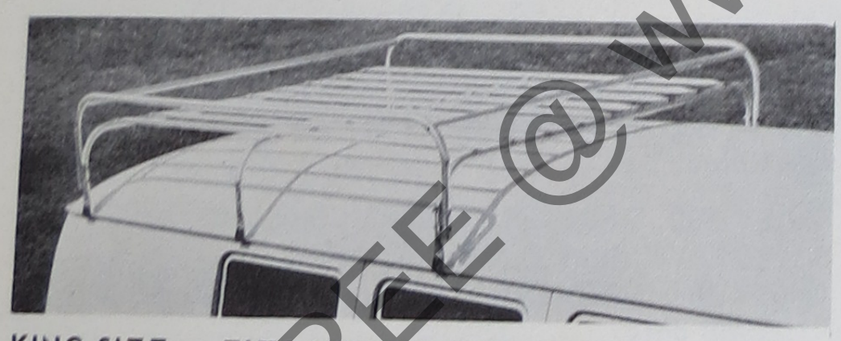
(type I),



TOP-MOUNTING RACK FOR VW SEDANS
Large size: 36" by 37" luggage area.
Light but durable construction of polished 7/8" aluminum tubing.
Easy to assemble and install.
Clamps firmly to rain gutter of Volkswagen sedans and sunroofs. Easy to attach or remove. Handsome . . . practical . . . rustproof.
ALRV-642 Top-Mounting Rack
for VW Sedans



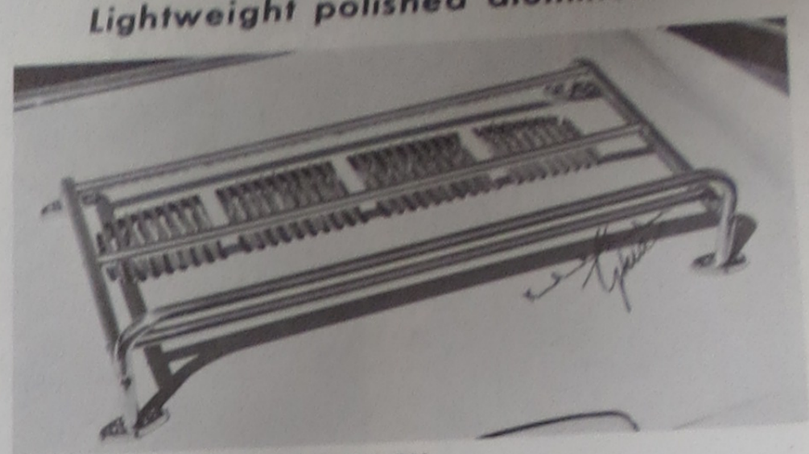
CLAMP-ON RACK FOR GHIAS, LARGE, EASY TO INSTALL
Here's an easy-on and easy-off luggage rack of large size (26" by 31") to mount on the rear deck of the Karmann Ghia. The simplicity with which it may be attached and removed makes it a highly desirable accessory. Also fits similar type sports cars. Constructed of ¾" polished aluminum tubing; stainless steel hardware. Special clamps – no holes to drill – no suction cups.
ALPX-641 Ghia Clamp-On Rack



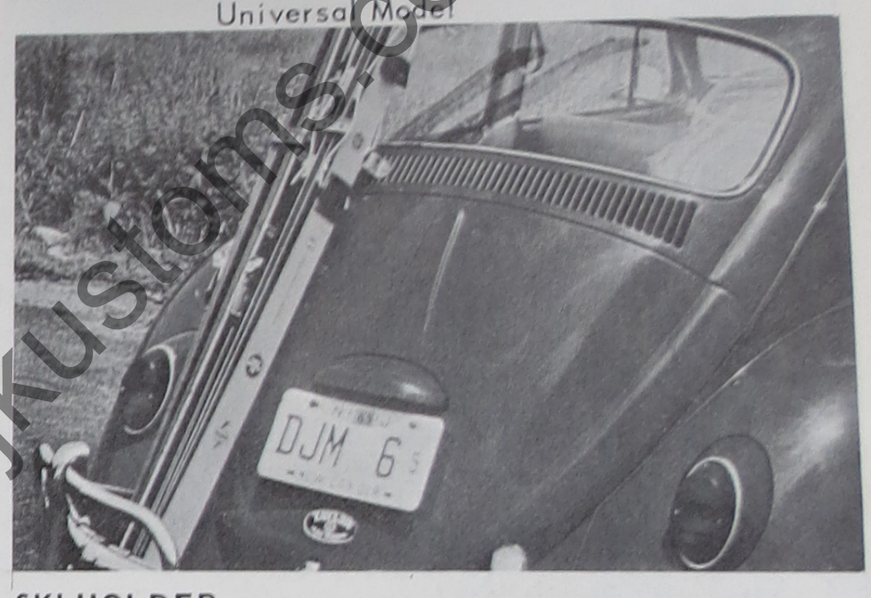
KING-SIZE – FITS VW TRUCKS, STATION WAGONS
Large size: 57" by 58" cargo area.
Light but sturdy construction of 3/4" and 7/8" polished tubing.
Easy to assemble, attach, and remove.
Even VW truck and station wagon owners sometimes feel the need for more luggage storage space. To fill this need EMPI offers a large – and we do mean LARGE – rack of the top-mounting type. Designed especially for quick-and-easy installation on VW trucks and station wagons.
ALRT-643 Luggage Rack for Transporters

LUGGAGE RACKS

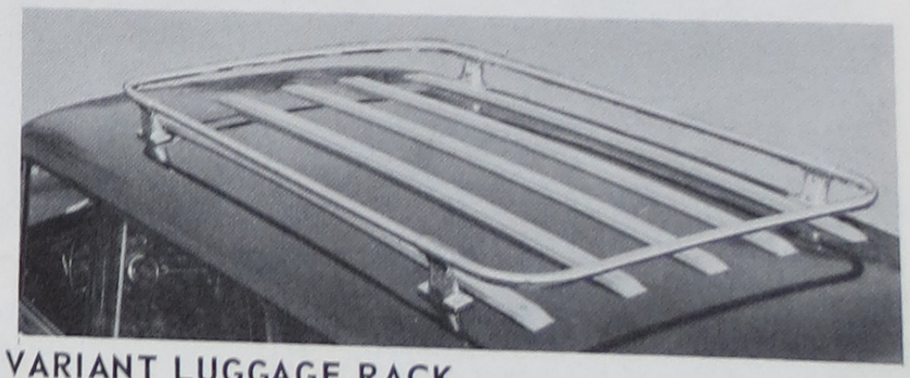
Lightweight polished aluminum



PERMANENT-MOUNT RACK FOR GHIAS, SPORTS CARS
Here's a light-weight luggage rack built in the classic sports car style. Fits perfectly on the Karmann Ghia's rear deck, and on many other compact cars. Size of rack is 14" by 28", constructed of ¾" polished tubing and chromed fittings. Mounting feet attach permanently to car. Tubular rack may be easily removed from mounting feet and stored in garage when not needed on car.
ALRX-640 Rear-Deck Luggage Rack
Universal Model



SKI HOLDER
Quality made of aluminum, holds two pair of skis – skis are held on edge, less wind resistance, no warping of skis, better rear view visibility. Easy to install, lower pan clamps to bumper. No holes to drill – no rusty bolts to remove.
ASKV-740 Ski Holder, set
carries 1 or 2 pr. of skis



VARIANT LUGGAGE RACK
Permanent top-mounting type for all Variants. Fine quality tubing and hardware.
ALRV-644 Variant Luggage Rack

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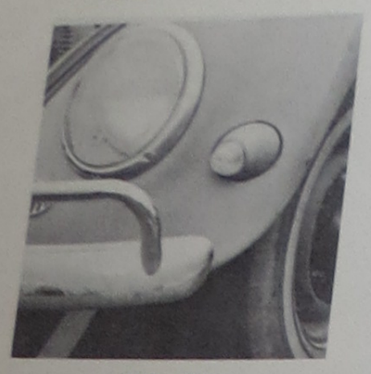
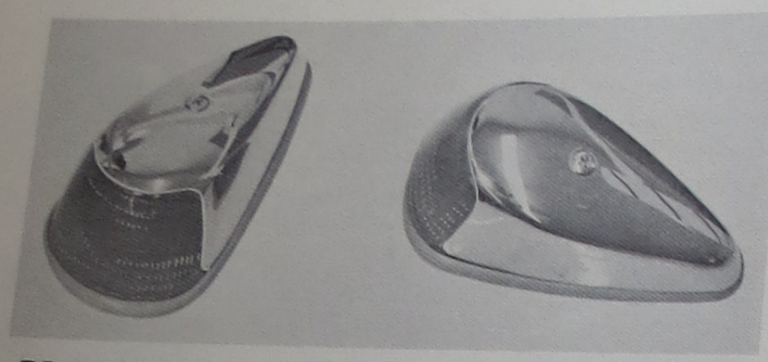
LOW COST-DELUXE DRESS-UP ACCESSORIES FOR VOLKSWAGEN



THE OLD



THE NEW



FRONT TURN INDICATOR LIGHTS

Up-date your older VW with these large chrome turn signals.

Amber, wrap-around lens design for maximum visibilty.

Chrome housing matches any color trim.

Rubber gaskets INCLUDED.

These match perfectly with the tail-turn-stop lights shown on page AO-10. Give your car the modern look. Bulbs not included.

ATIV-675 TURN INDICATOR LIGHTS, front, 6 or 12 volts,



HEADLIGHT SHIELDS

Customize the front of the VW sedan with these attractive top quality headlight shields. Heavy chrome plating, rolled edge – easy to install.

AHSV-620 HEADLIGHT SHIELDS, 1200, 1300 VW (type I), 1966–earlier,



VW SEDAN (TYPE I)



NOTCHBACK



FASTBACK & SQUAREBACK

AIR-INLET GARNISH STRIPS For all VW Models

Air-inlet grill moldings of gleaming chrome add an elegant custom touch to any VW. Inexpensive and easy to install. Strips do not interfere with proper air cooling of engine. Available for all VW types–except Convertibles.

AGSV-580 GARNISH STRIPS, rear, all 1200, 1300, 1500 VW (type I), 1968 & earlier,

AGSV-581 GARNISH STRIPS, front, 1500 VW (type I). 1968 only,

AGSW-584 GARNISH STRIPS, front, 1500 "Notchback" only,

AGSW-585 GARNISH STRIPS, rear, 1500 "Notchback" only,

AGSG-577 GARNISH STRIPS, rear, '61-'68 Ghia,

AGSW-586 GARNISH STRIPS, side, 1600 Fastback/ Squareback,

AGSW-576 GARNISH STRIPS, front, 1600 Fastback/ Squareback,

AGST-578 GARNISH STRIPS, front, type II, per set

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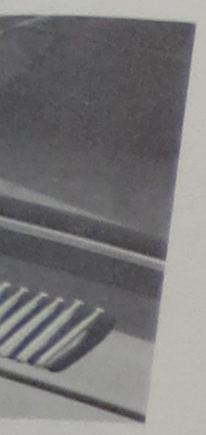
SORIES
SWAGEN







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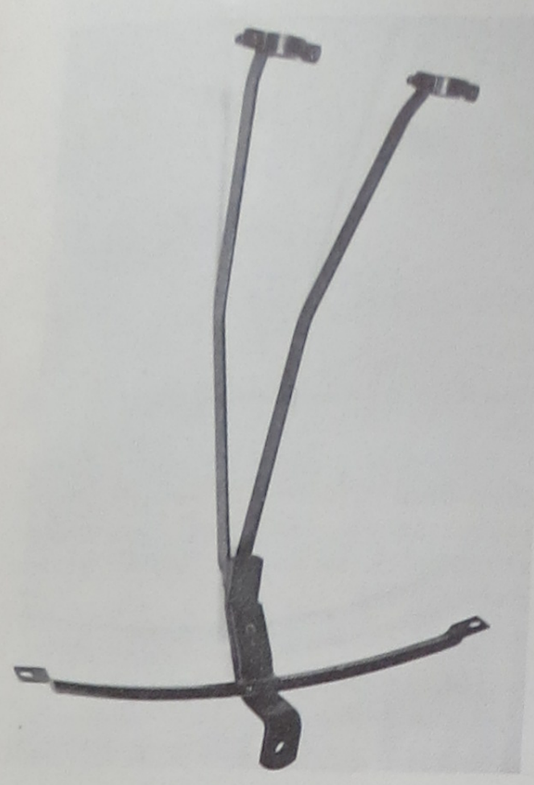
USEFUL ACCESSORIES

for all VW models

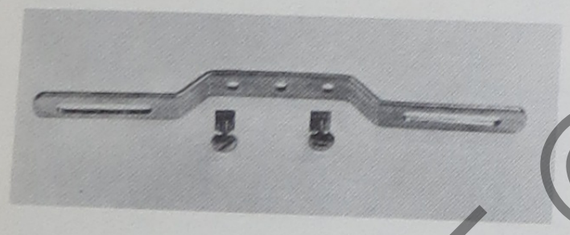


CUSTOM-FIT TRAILER HITCH

Improved heavy duty trailer hitch that fastens to bumper and frame. Pulls from frame – no springing of bumper. Sturdy steel construction – easy to install.

Fits all '56-'67 VWs 1200, 1300 & 1500 series sedans.

ATHX-750 Trailer Hitch



LICENSE PLATE BRACKET

EMPI License Plate Brackets hold license plates firmly in place, help prevent them from acquiring that dented, dog-eared appearance that comes with improper mounting. Brackets and mounting bolts are bright plated to resist rust.

ALBX-630 License Plate Bracket '63 & earlier, per hundred net $25.00

ALBX-631 License Plate Bracket '64 & later,

ALBX-632 License Plate Bracket Nuts & Bolts only, per 1000,



EMPI VENT SHADES

Keep rain and sun out, let fresh air in with the new EMPI Vent Shades. No matter how hard it rains, windows can be partially open for air to circulate, reducing window fogging. Vent Shades keep parked car cooler in summer, by allowing the windows to be left partially open. Vent Shades add to the appearance without being conspicuous. Look like a built-in part of the car. Made of highly polished stainless steel; interior finished in soft green. Will not rattle or rust. Easy to install.

AVSX-730 EMPI Vent Shades, VW 1200-1300 '65-'66 & '67 1500 Sedan,

AVSX-731 EMPI Vent Shades, VW 1500 Sedan & Squareback, '63-'65; VW 1600 Fastback & Squareback, '66-'67,



FENDER MOUNTED MIRROR
Fits left or right

Good looking mirror, nicely chromed, 4¼" diameter, with antiglare glass. Curved and tapered stem, black stem base.

AFMX-701 Fender Mirror

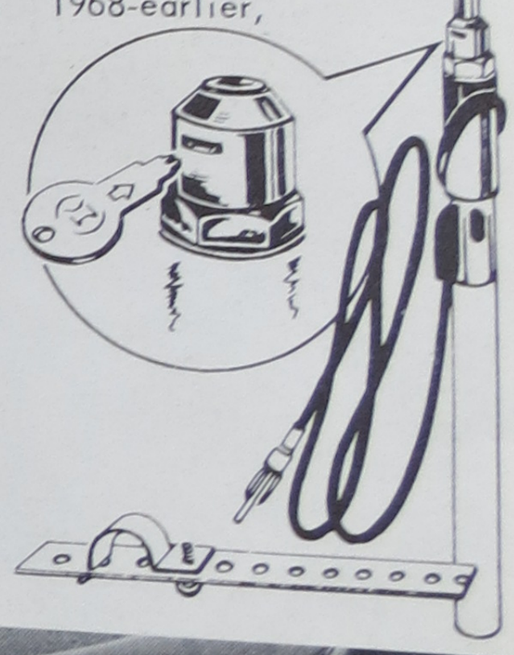
DELUXE MODEL Retract and Lock ANTENNA
Defies Thieves

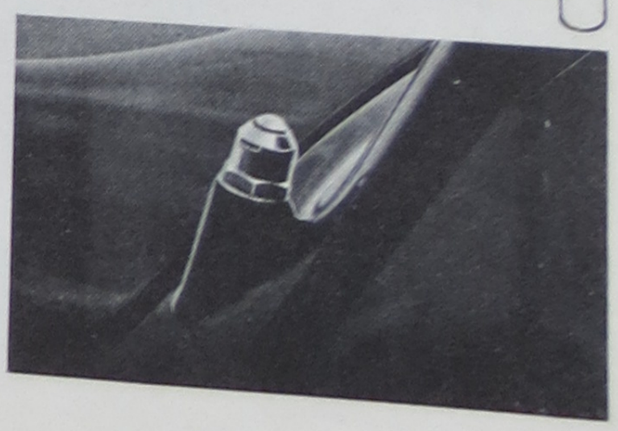
For AM or FM reception – 5-section antenna extends to 39 inches. **Quality construction** – Heavy-duty construction, exposed parts chrome plated.

This Retract-And-Lock antenna is equipped with the locking feature that foils antenna thieves and vandals. When owner parks car in unprotected parking area he pushes antenna all the way into its protective housing inside the Volkswagen body. Antenna then automatically locks tight, safe from thieves. It can be extended again only after it is unlocked by owner's special key.

Complete with two keys, mounting bracket, 40-inch lead-in cable with standard connector fitting, mounting instructions.

ALAV-625 Locking Antenna, w/keys, fully retractable, all 1200, 1300, 1500 VW & Ghia, (type 1), 1968-earlier,





EMPI

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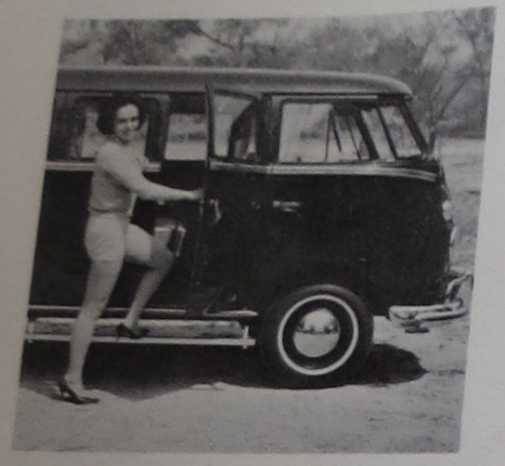
EMPI's own design... STEPS for TRANSPORTERS





"GUARDIAN" Double-duty SIDE STEP.

EMPI's Guardian Step does double duty on Volkswagen Transporters.

First, it serves as a convenient step. Women especially appreciate this function.

Secondly, it serves as a guardian, or side bumper, protecting the vehicle from paint scrapes, damage to body, and dented hub caps.

The strong channel steel Guardian Step attaches to vehicle at the jack sockets, is easily removed when jack is to be used. Plated steel finish.

ATST-682 Guardian Step



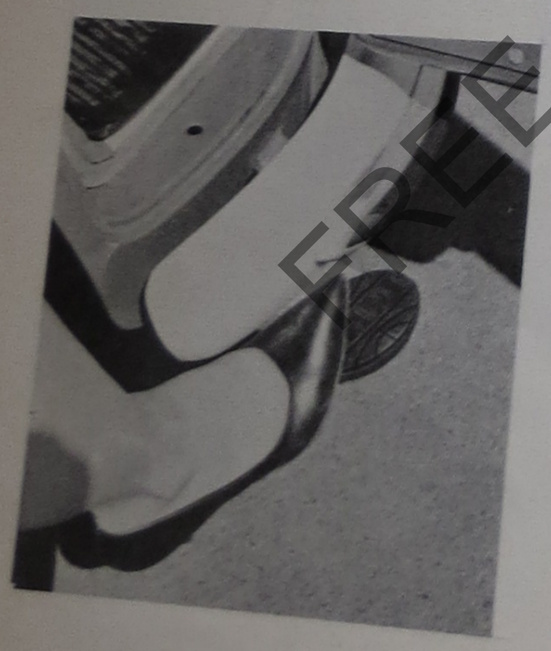
← Sturdy "EMPI-Step"...mount left or right

This sturdy step makes it much easier for milady, the kids, or even the old man to make that long step up into the cab of the Volkswagen truck or station wagon. Step mounts at convenient height, half way between ground and cab.

EMPI-Step installation is simple, requiring no drilling or other metal-working operation. It quickly fastens in place on one of the mounting bolts supporting the Volkswagen's front bumper.

EMPI-Step is fabricated from heavy gauge (⅛-inch) steel plate. Step area of 15 square inches is surfaced with molded non-skid rubber tread. Interchangeable EMPI-Step mounts on either left or right side of cab.

ATST-680 EMPI-Step



Transporter E-Z STEP — plain →

Square design Transporter step made to attach same as the EMPI-Step, left or right of cab. Non-skid rubber surface.

ATST-681 Transporter Step, Square



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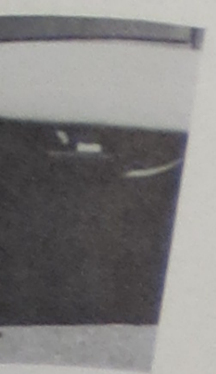

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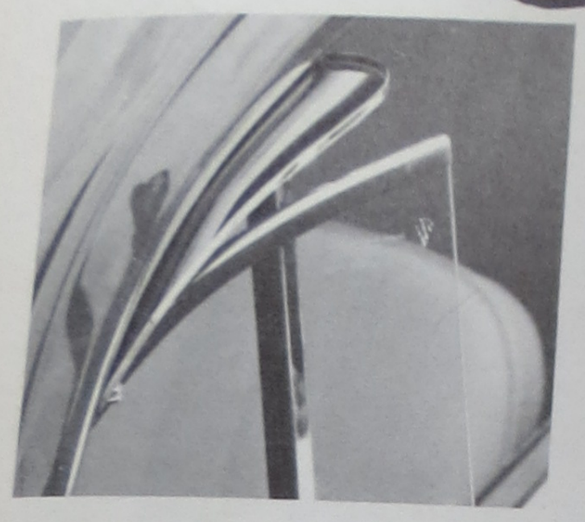
EMPI CHROMED ACCESSORIES

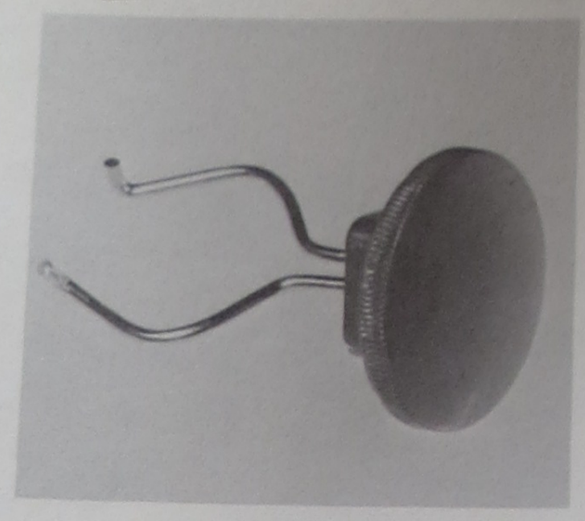
--- attractively priced!



RAIN DEFLECTOR

Imported rain deflector mounts above open wind wing to keep out rain. Result: Passengers receive adequate ventilation without being soaked in a rain storm. Easy to install.

ARDV-670 Rain Deflector, VW 1200 (type I) 1964 & earlier,



SCHAFFER CLAW

This German-made chrome hub tool is a double-duty accessory. First, it's used to pretty up the Volkswagen by sliding into the jack socket and concealing the socket with its chrome-finished head. Secondly, the claws are designed to serve as a handy tool for simple, quick removal of hub caps.

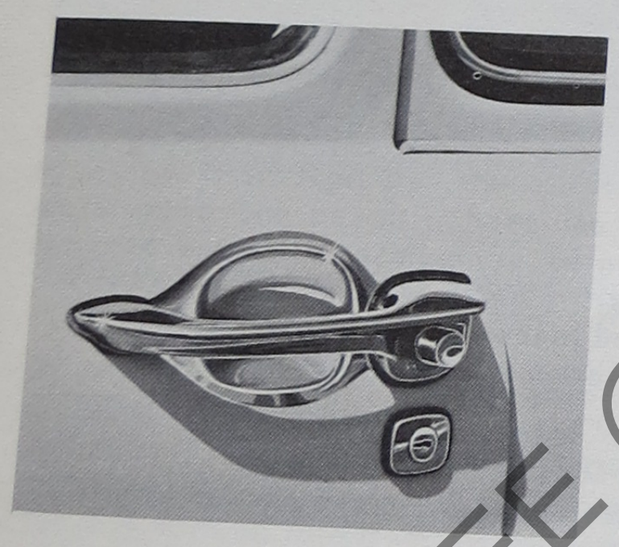
TSCX-200 Schaffer Claws,



EMPI GTV EMBLEM

Beautiful Designed Emblem crafted in non-corrosive metal, finished in black with raised chrome letters —a must for those hot VW's—an impressive addition to any VW's exterior trim.

AGTX-720 EMPI-GTV Emblem,



DOOR HANDLE SHIELDS

Here's glamour and utility at one low price. Shiny metal Door Handle Shields give 1600-model VWs a customized appearance while protecting the paint finish in the area of door handle. Packaged in plastic bags. Easy to install.

ADSW-542 Door Handle Shields, VW 1600 (type III), 1967 & earlier,

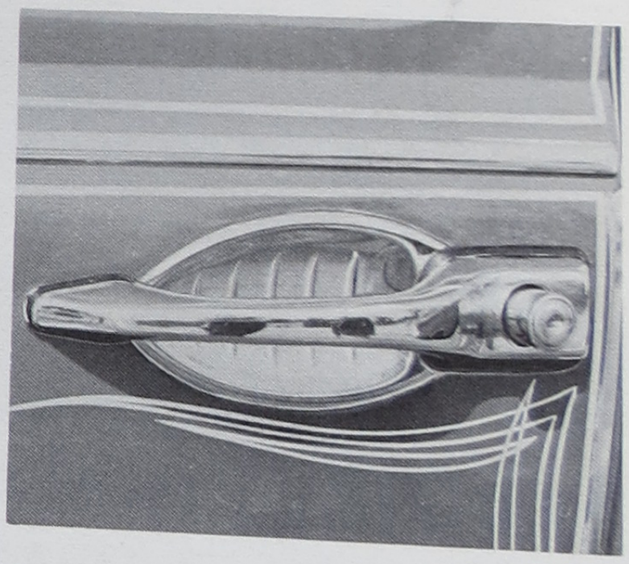


HOOD HANDLE SHIELDS

Here's an inexpensive device that will add a bit of fancy dazzle to the front of any Volkswagen passenger car. Protects car's finish in the area around the front luggage compartment's handle.

AGPV-570 Hood Handle Shield (garnish plate) all VW 1200, 1300, 1500 (type I) 1967 & earlier,

AGPV-571 Hood Handle Shield (garnish plate) VW 1500 (type I) 1968 only,



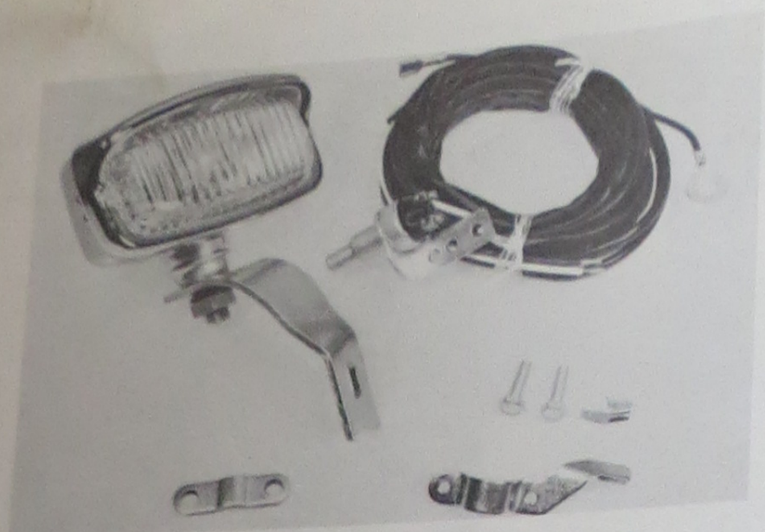
DOOR HANDLE SHIELDS

Protect car's finish in the area behind door handles from scratches and wear. Packaged in plastic bags. Easy to install.

ADSV-541 Door Handle Shield, VW 1200, 1300, 1500 (type I) 1960-1967,

ADSV-543 Door Handle Shield, VW 1500 (type I) 1968 only,

FREE @ www.tikuskustoms.com



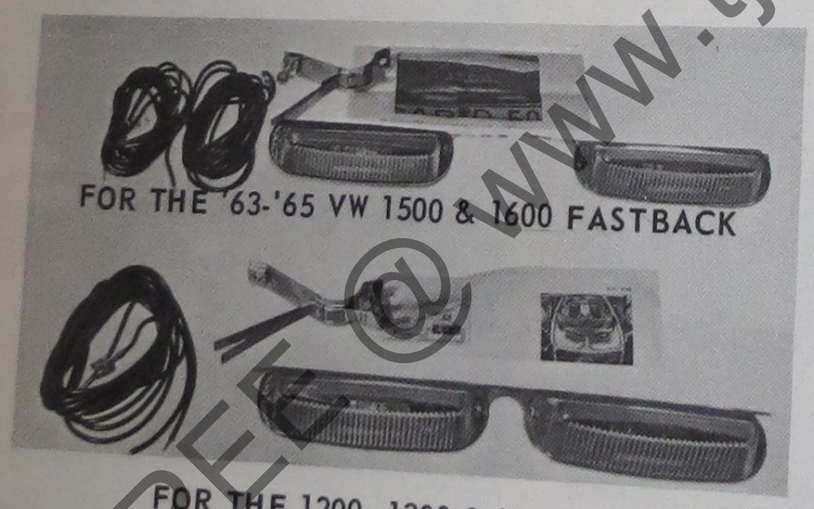
BACK-UP LIGHTS

Special switch automatically closes circuit to light when Volkswagen is shifted into reverse. Light throws wide, brilliant beam behind car to assist driver maneuvering into parking space and to signal other drivers. Its's a useful accessory that's attractive, too.

Complete kit includes shiny, plated light fixture, mounting bracket, switch, wiring cable. Easy to install – instructions included.

ABLX-510 Back-Up Light, speedometer actuated, 1200, 1300, 1500 VW & Ghia (type I) 1967 & earlier, specify 6 or 12 volt

ABLX-511 Back-Up Light, transmission actuated, 1200, 1300, 1500 VW & Ghia (type I) 1967 & earlier, specify 6 or 12 volt



FOR THE 1200, 1300 & '67 1500

CUSTOM FIT BACKUP LIGHTS

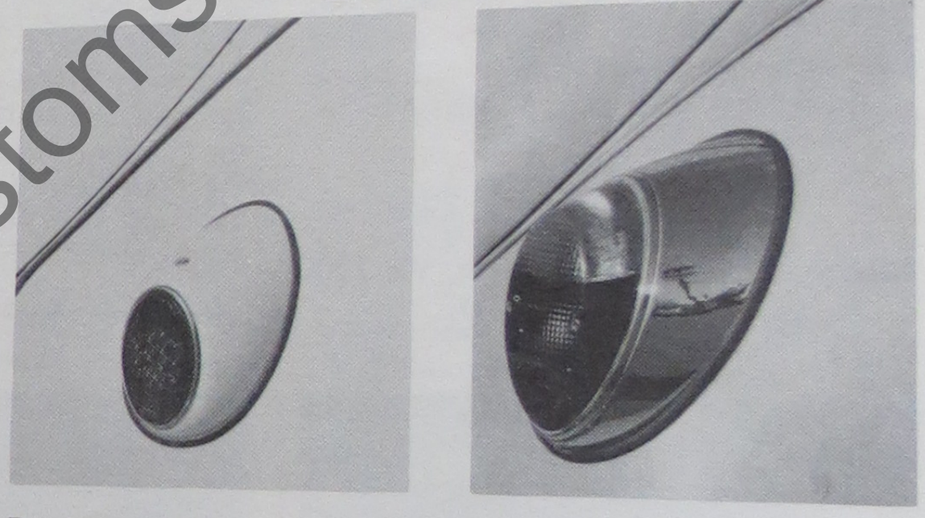
Made to fit below license plate light on VW sedans, '64 on. Fits below the wide housing, just like a factory installation. Modern looking plastic lamp housing on metal frame. Complete with necessary wire and hardware. Instructions included – Easy to install.

ABLV-512 Jokon Back-Up Light, VW 1200, 1300 1500 (type I) w/wide license plate light housing, 1967 & earlier, specify 6 or 12 volt

ABLW-513 Jokon Back-Up Light, VW 1500, 1600 Fastback (type III), 1967 & earlier, specify 6 or 12 volt



Up-date your VW with EMPI's Triple Chrome Plated TAIL-TURN-STOP LIGHTS



Replace old-type flush-lens tail light (left) with large new light (right) equipped with red and amber wrap-around lens mounted on handsome chrome housing.

Amber and red lenses in the latest fashion
Convex wrap-around lens design for added visibility

Handsome chrome housing –

Rubber gaskets to insure weatherproof no-rattle installation

Multiple bulbs to provide three separately controlled signals

For the sake of safety, if not for the sake of beauty, every owner of one of the older Volkswagens will want to up-date his little car by adding a pair of these new tail-turn-stop lights with their beautiful modern lines and amber and red lenses. No painting required to match car's finish. Installation instructions included.

ACLV-530 Chrome Tail Lights, 1200, 1300, 1500 VW (type I), 1967 & earlier, specify 6 or 12 volt.

ACLV-531 Chrome Tail Lights, w/back-up lights, 1200, 1300, 1500, 1968 & earlier 12 volt,

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LOOKING FOR A GIFT? HERE'S THE ANSWER!

A product of British ingenuity and craftsmanship, the DELSWIFT car mirror-aerial is good looking, well made, handsomely finished in every respect. With all of the aerial receiving wire enclosed in a sealed chamber there is nothing to get out of adjustment . . . No need to worry about bent or twisted antennas that get banged up and whipped by garages and doors.

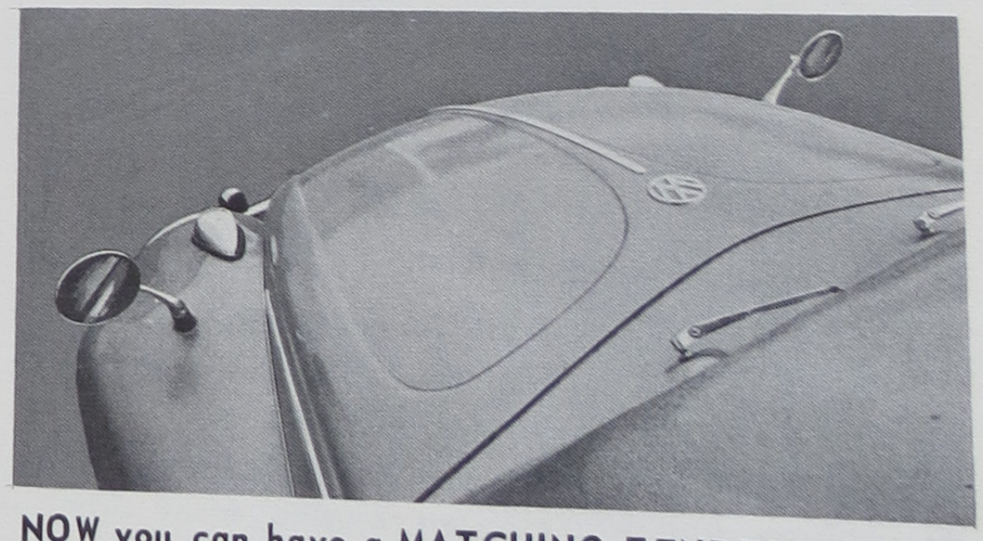
The Delswift mirror-aerial **requires no adjustment** for radio reception after installation. Set it once, and forget it.

Every unit carefully tested and examined before leaving the factory.

Good looking tapered stem design, with heavy Nickel Chrome plating. Optically flat, anti-glare mirror.

Dual wing mirrors give perfect visibility for today's rapid traffic. If you don't use a right hand mirror now, you'll wonder how you ever did without it.

Prevents and discourages theft and vandalism of car aerials. No need to worry about aerial damage or swiping any more. Looks just like a conventional mirror . . . fools the vandals every time.



NOW you can have a MATCHING FENDER MIRROR INCLUDED . . . at no more than the price of the mirror – aerial alone.

IT'S TRUE! With every mirror-aerial sold, EMPI will include a matching fender mirror, made by Delswift of England, an identical twin to the mirror-aerial on the driver's side. Same design, same heavy chrome plating and anti-glare glass.

AFMX-700 MIRROR-AERIAL, and Matching Mirror

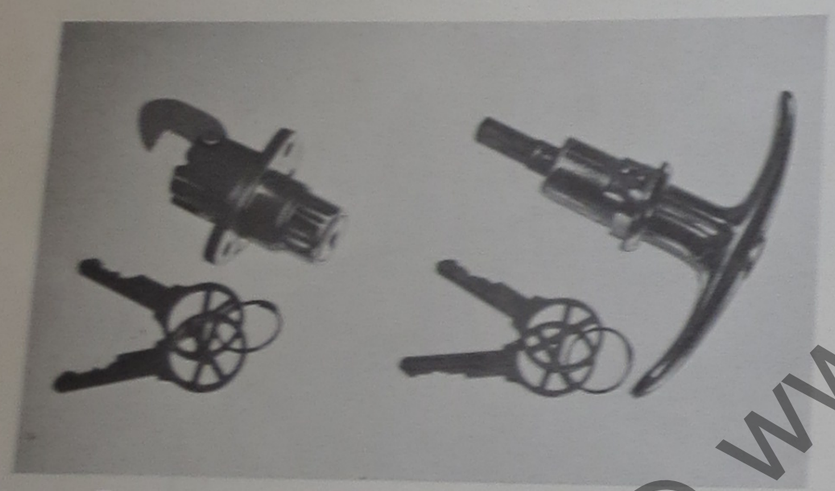
EMPI ENGINEERED MOTOR PRODUCTS, INC. • P.O. BOX 1120, RIVERSIDE, CALIF. 92502



TEARDROP RACING MIRRORS

You've seen them on race cars – Light weight, (just 9 ounces) streamlined, chrome finished. 3½" mirror, in choice of flat or moderately convex surface, for wide view. Mount a pair on your front fenders.

ARMV-710 Teardrop Mirror, Flat –
ARMV-711 Teardrop Mirror, Convex –



Engine compartment LOCK...

from Germany

- **PROTECTS ENGINE from thieves and vandals.**
- **EASY TO INSTALL—a simple job for home mechanic.**
- **QUALITY LOCK – two keys included.**

Here's a simple, sensible and inexpensive way to protect your Volkswagen engine from damage by vandals and theft of parts and accessories by thieves. Special chrome-plated, German-made rear-deck handle includes heavy-duty locking mechanism to secure engine compartment against would-be intruders. Install it with only a wrench – and only a few minutes required to do this simple job. Two keys included. Fits 1200 Series VW.

AELV-550 Engine Compartment Lock through '64

AELV-551 Engine Compartment Lock '65-later

REV 7-67

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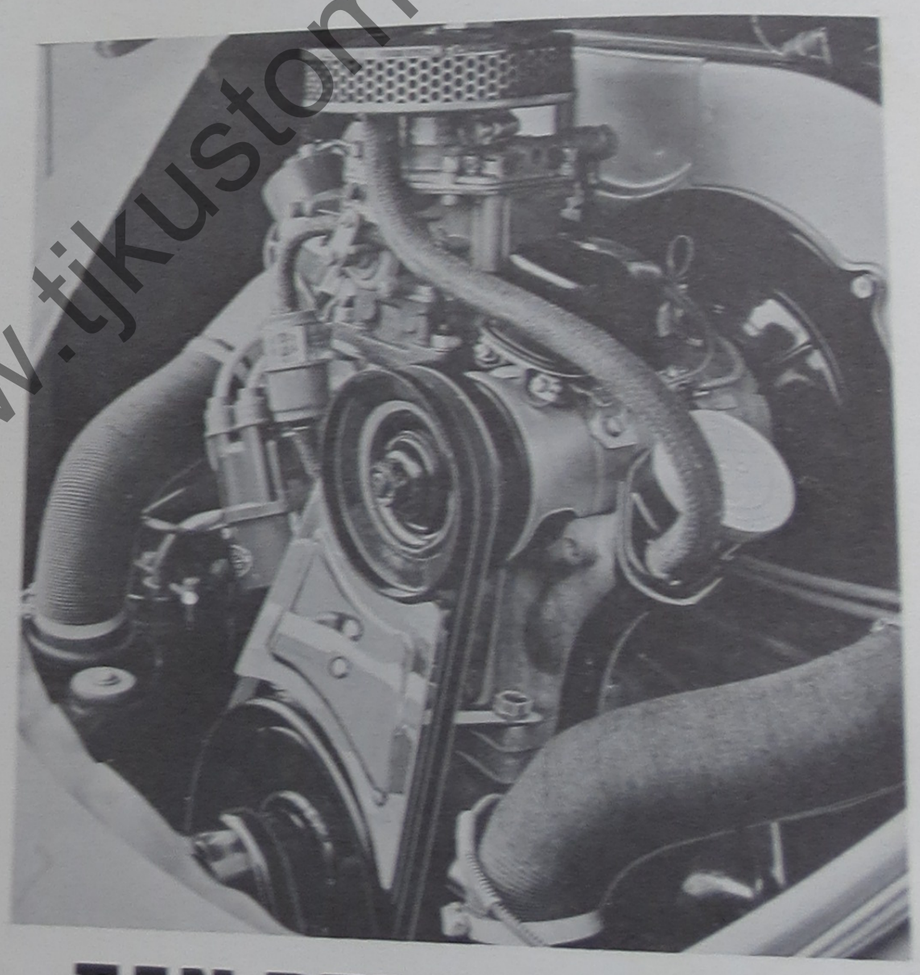
The HOTTEST Volks-Rods



are EMPI equipped



FAN BELT GUARD

Saves hands from injury

For protection plus smart appearance, you'll want one of EMPI's new chromed fan belt guards. Enhances the appearance of any motor and positively prevents accidental injury. Fits all 1200 model VW's from '61 on, and 1500 Transporter engines with fan belts.

EFGV-145 Fan Belt Guard

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MANUALS By Leading Automotive Writers

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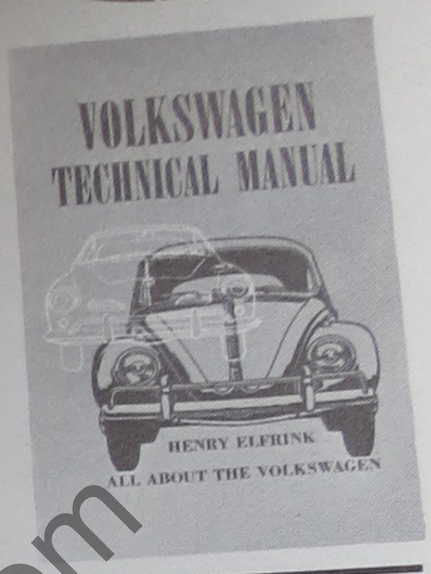
VOLKSWAGEN TECHNICAL MANUAL
(VW 1200 series only)

* 256 pages
* New eleventh edition now available
* Written by Henry Elfrink, well-known authority on Volkswagen and Porsche engines
* Illustrated by hundreds of photos and drawings

UPDATED AND EXTENSIVELY REVISED: the new eleventh 256 page edition of Henry Elfrink's popular Volkswagen Technical Manual, just off the press. Containing much new information on repair procedures which the author, a graduate of the VW service school, has studied on his recent trips to VW factories in Germany and Australia. Widely recognized as the best in its field, this is the only US-published manual on the VW suitable for workshop use in performing such intricate servicing procedures as repair and adjustments on the transmission and final drive (split-type and tunnel-type), roller-steering box adjustment, engine overhaul, etc., etc. This new illustrated edition, covering both old and new VWs, contains many exploded views and drawings showing the exact interrelationship of the various parts. In addition, there are sections on speed-tuning, installing a by-pass oil filter, modifications through the years, etc., etc. Never before have we offered such tremendous value for the money.

BVTV-180 Volkswagen Technical Manual (VW 1200 series only).

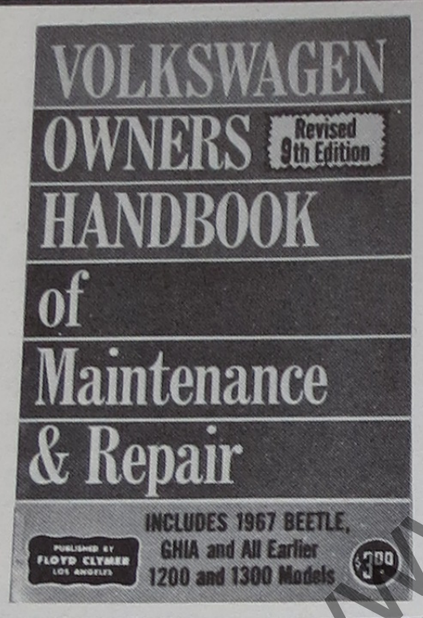


VOLKSWAGEN OWNER'S HANDBOOK – 9th Edition
(VW 1200, 1300, 1500 Series)

* Maintenance & Repair
* 1967 & earlier models
* Easy to understand
* Hundreds of photos, diagrams

CHAPTERS ON: 1967 model information and data; What Year VW Is that? The VW engine; Valve Adjustment; Engine Trouble Shooting, Fuel System, Electrical, Clutch, Brakes, Suspension, etc.

BVHV-170 Volkswagen Owner's Handbook.



VOLKSWAGEN TRANSPORTER OWNER'S HANDBOOK

* 200 pages – 5¼" x 8¼"
* Published by Clymer
* 250 photos, drawings, charts

Updated third edition of this title contains valuable data and service information on the 1500 engine. Older models also covered. Non-technical handling of subject matter makes for easy comprehension by layman.

BTHT-160 Volkswagen Transporter Owner's Handbook



VOLKSWAGEN – NINE LIVES LATER
By DAN R. POST

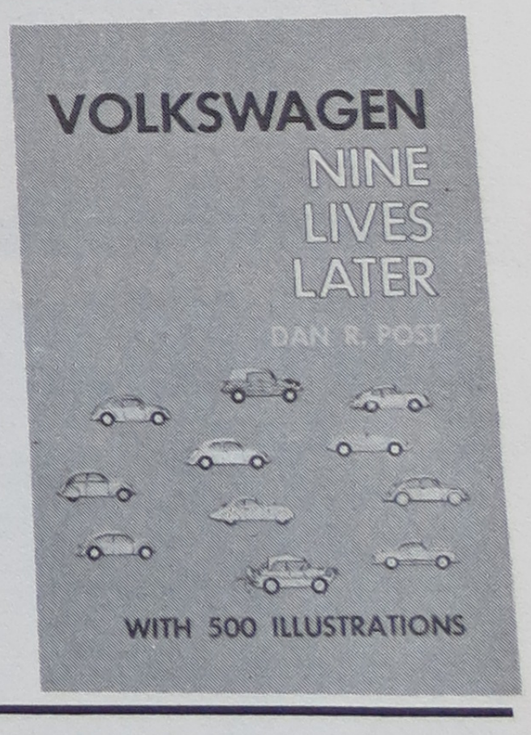
The most comprehensive history of the VW ever written, the author takes us back to the beginning, when it's designer Prof. Ferdinand Porsche started to realize his dream of creating an inexpensive, compact economy car.

We follow the torturous development of the little car through three decades up to the present, as the Volkswagen emerges as free civilization's synonym for transportation.

The most colorful automobile saga of our time, the book is profusely illustrated with over 500 photos and drawings.

A must for VW owners, fans and automotive book collectors.

BNLV-210 Volkswagen – Nine Lives Later



SOLEX CARBURETORS – SELECTION AND TUNING

* Plasticized cover
* Many photos and diagrams

Gives complete description of the float and jet systems, normal and supercharged tuning; operating faults, starting difficulties; acceleration and power; fuel consumption; auto-starter adjustment.

BSSX-140 Solex Carburetor Manual

NOTE: Several of the Clymer and Elfrink books listed on these pages are revised periodically to keep abreast of latest model changes. EMPI always supplies latest available editions.

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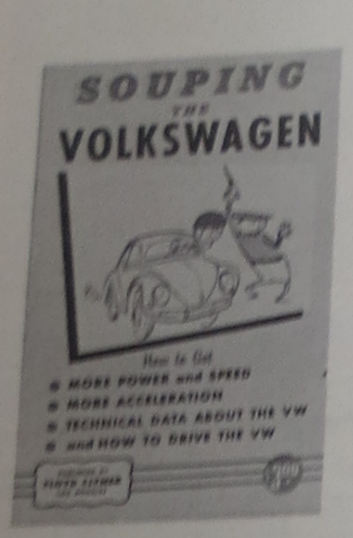
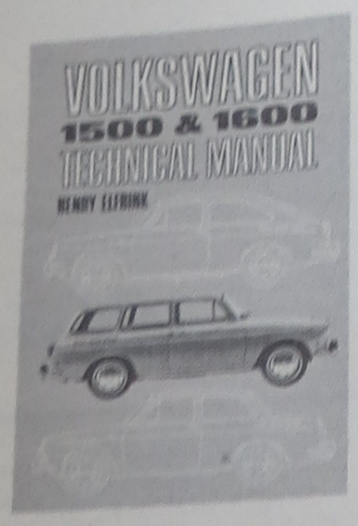


SOUPING THE VOLKSWAGEN

* 110 pages by Dick Morgan
*Published by Clymer

Here's a mildly technical book telling the how and why of modifying a Volkswagen for increased power, speed, and acceleration. Text, charts, diagrams, and photos are used to cover carburetion, valves and porting, stroker modifications, special cams, ignition timing, and tune-up.

BSVV-150 Souping The Volkswagen

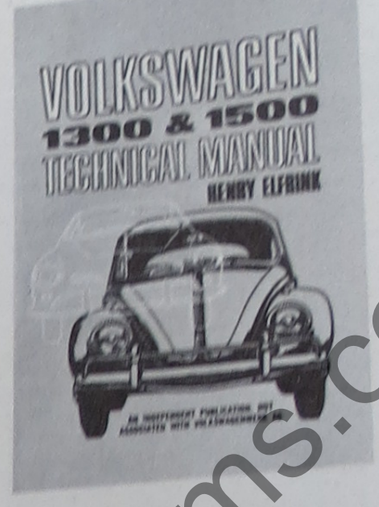


VW 1500-1600 TECHNICAL MANUAL

*304 pages
*Latest model information

This new manual covers in detail the newest changes, including: technical specs and tolerances; suspension; transmission; carburetion; ignition; etc. Written by Henry Elfrink, after his latest VW factory training.

BWHW-191 VW 1500-1600 Technical Manual



VW 1300-1500 TECHNICAL MANUAL

*Illustrated with hundreds of photos and drawings
*Latest model information

This new, privately published manual by Henry Elfrink covers the 1300 and 1500 type 1 vehicles in considerable detail, including: newest changes; technical specs and tolerances; suspension; transmission; carburetion; ignition; etc. A must for every mechanic, non-technical owner or enthusiast.

BVTV-181 VW 1300 & 1500 Sedan Technical Manual



VW 1600 HANDBOOK

* Hundreds of pictures and drawings
* Compiled by the Floyd Clymer staff

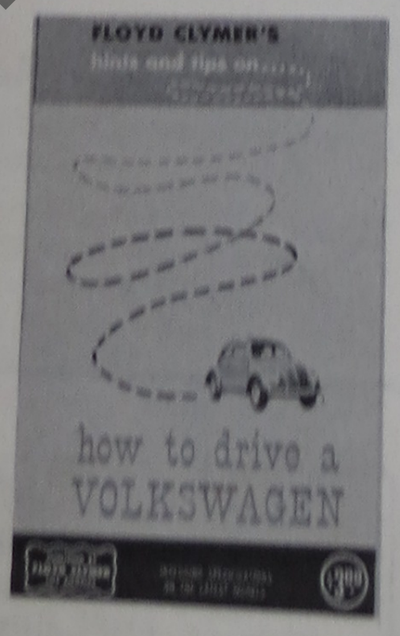
Contains an abundance of helpful servicing and maintenance information including valve mechanism, fuel and carburetion systems, suspension, transaxle, instruments and accessories. For amateur and professional mechanics, plus general information for the non-technical enthusiast.

BWHW-192 VW 1600 Handbook

HOW TO DRIVE A VOLKSWAGEN

* 240 pages
* General Information
* Maintenance Hints

Purpose of this book, says author-publisher Floyd Clymer, is "to give the Volkswagen owner and prospective owner a better understanding of the art of driving a Volkswagen, hints and tips on its care and maintenance, as well as interesting comments . . . and other general information." A unique feature of the book is a helpful chapter on motoring abroad plus a German phrase book for the motorist.



BHDV-100 How To Drive A Volkswagen



BPTP-130 Porsche Technical Manual

PORSCHE TECHNICAL MANUAL

* 288 pages
* Info on 356C & SC
* Crank & Bearing Sizes
* Disc Brakes, etc.

All the familiar, reliable technical information, plus 24 additional pages of text, photos, exploded views. New suspension details, specs of the latest models, tolerance and wear limit charts. A goldmine of information for the Porsche owner and serviceman. Very detailed, authentic information on servicing old and new types of engines, transmissions, steering, suspension, ignition, etc.

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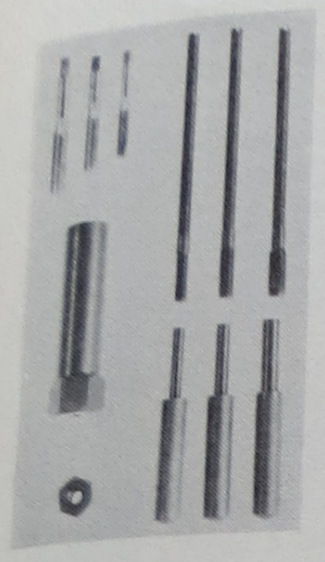
DON'T DISCARD THE CYLINDER HEADS BECAUSE THE GUIDES ARE WORN!



Complete description on reverse side of this page.

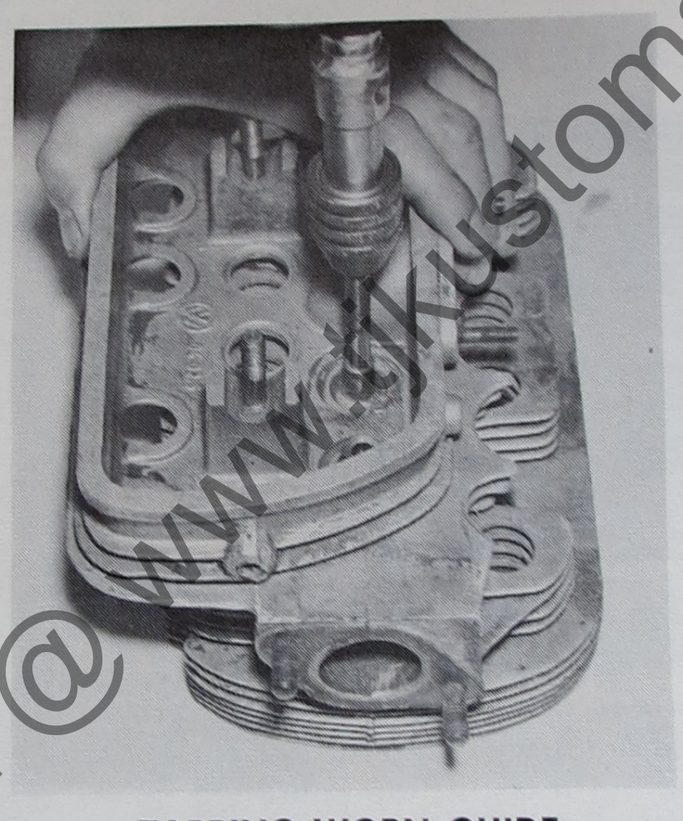
Save them with EMPI's Revolutionary

VALVE GUIDE TOOL KIT

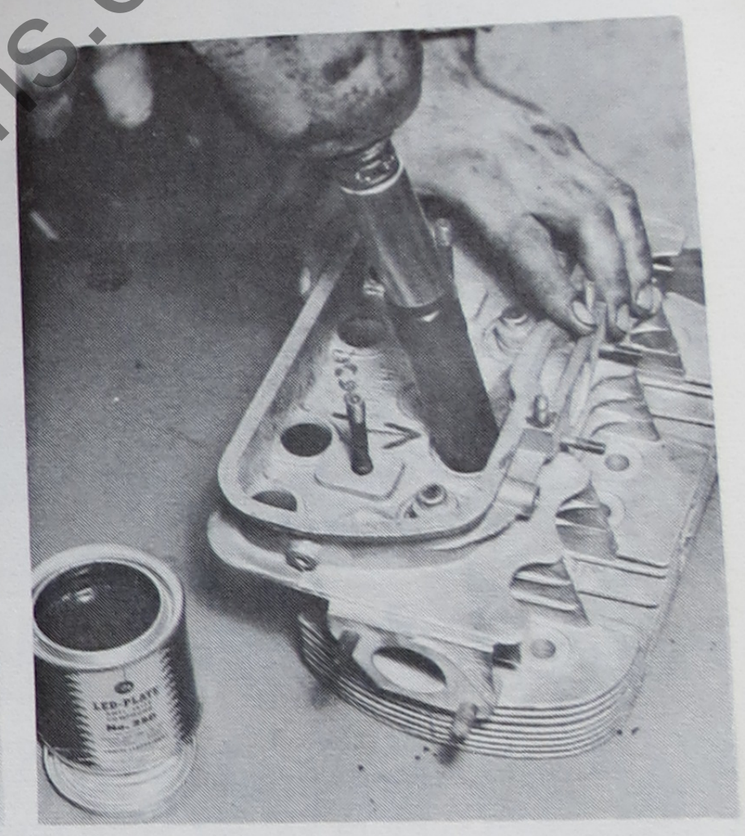
for Volkswagen and Porsche

You can easily repair a pair of cylinder heads with this equipment in less than 30 min. No heating of the head or chilling of the guide is required..

These tools tested and proven by hundreds of shops in the U.S.A. The guides tested and proven by hundreds of thousands of miles on the roads!

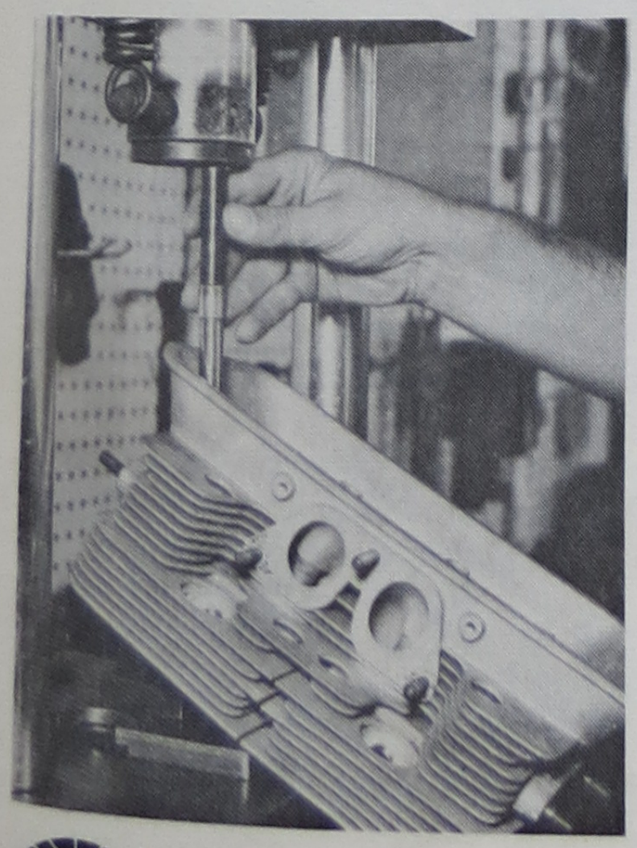


TAPPING WORN GUIDE
VW HEAD

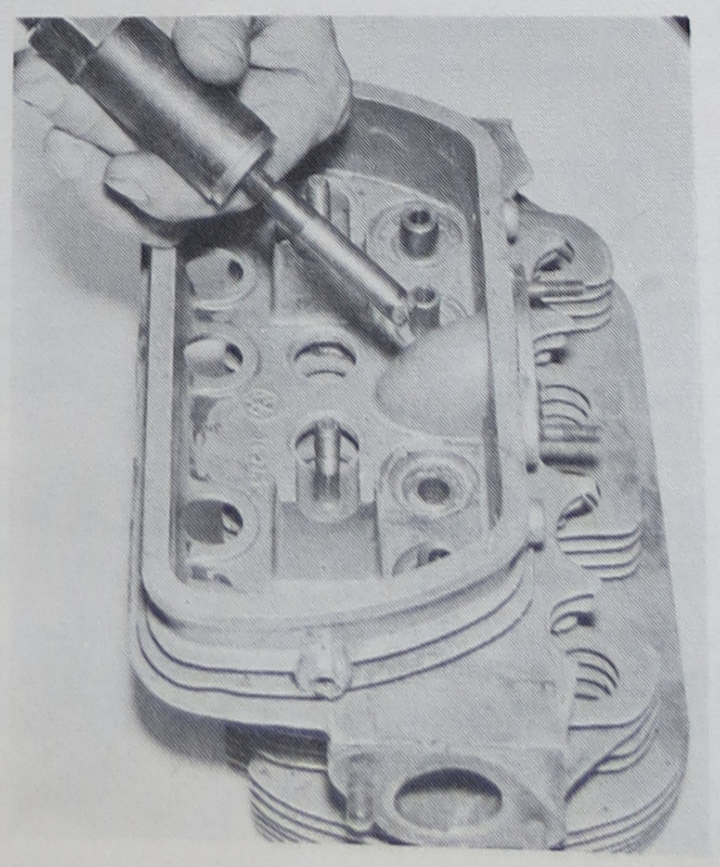


PULLING WORN GUIDE
VW TRANSPORTER HEAD

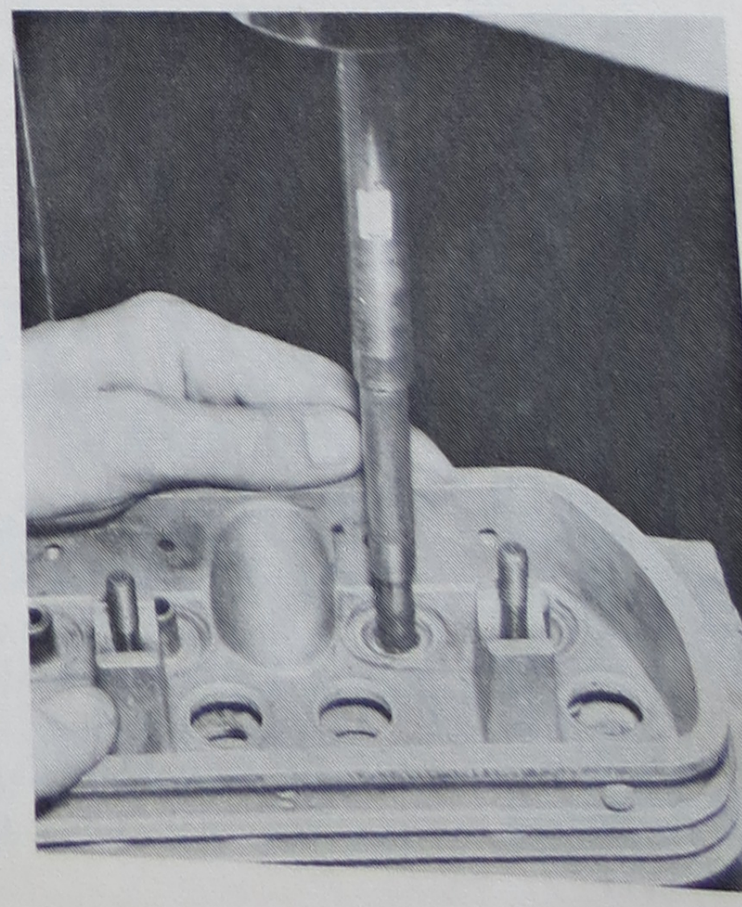
INSTALLING PORSCHE
EXHAUST GUIDE



OLD GUIDE OUT
VW HEAD



GUIDE ALMOST SEATED
VW HEAD



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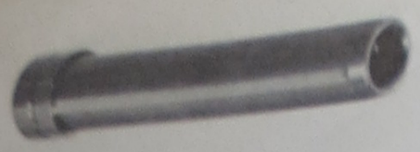
THE WORLD'S FINEST Aircraft Quality VALVE GUIDES

Precision Machined Replacement engineered by EMPI for Volkswagen and Porsche





EMPI VALVE GUIDES — ALUMINUM SILICONE BRONZE

Highest quality and strength "Tuf-Stuf" Silicone Bronze, as used extensively in air cooled aircraft engines. Resistant to acid and oxidation at high temperatures. Light weight. Guaranteed superior to original equipment.



	EXHAUST	INTAKE
REGULAR SIZE		
36 hp VW	EGEV-160	EGIV-170
40 hp VW, 1300, 1500 & 1600	EGEX-161	EGIX-171
OVERSIZE (.005 inches O.D.)		
36 hp. VW	EGEV-164	EGIV-174
40 hp VW, 1300, 1500 & 1600	EGEX-165	EGIX-175
Porsche 356B & 912 Series		EGIP-173

EMPI VALVE GUIDE TOOL KIT

EMPI's Valve Guide Tool Kit enables the mechanic to remove quickly old valve guides and replace them with new guides. No heating or chilling of parts required. For use on Volkswagen 36- and 40-h.p. and Porsche engines. Puller tool may be powered by air wrench, drill press, or hand-operated wrench. Complete kit includes 3 taps, 3 studs, 3 drifts, puller tool, and instructions.

TGTX-150 Valve Guide Tool Kit



Precision REAMERS..the finest!

Approved by the Volkswagenwerk in Germany

Perfect fitting valve guides depend on very close tolerances. You can't do a dependable reaming job with anything but the finest reaming tools, in top condition, without measurable wear. Hunger Reamers are the very finest obtainable, and will do a perfect reaming job every time. We recommend that they be "miked" to check dimension every 6 months, and replaced when worn. Dealers need 4 different reamers on hand for most work. Detailed instructions included.

FOR 36 H.P. VW

TREV-185 Reamer, replacement for normal Rocker Stud Tool Kit,

TREV-186 Reamer. replacement for oversize Rocker Stud Tool Kit,

TRIV-183 Intake reamer

TREV-181 Exhaust reamer

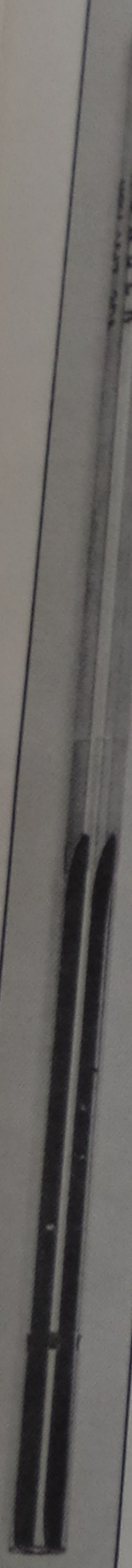
FOR 40 H.P. VW and all 1300, 1500 & 1600's

TREV-182 Exhaust & Intake

FOR PORSCHE

TREP-180 Exhaust & Intake reamer

"HUNGER" VALVE GUIDE REAMERS



ANTI-SEIZE ARMITE (Lead Plate)

The mechanics friend – makes hard jobs easier. Lead mixed with oil and graphite eliminates friction. Used for installation of VW valves guides, muffler gaskets, pressing on gears, lubricating dies, sealing cylinder heads, coating threads of studs, to get even torque.

TAAX-100 Anti-Seize Armite,



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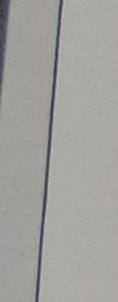


"Neway" hand operated
VALVE SEAT CUTTER KIT
designed for the Volkswagen

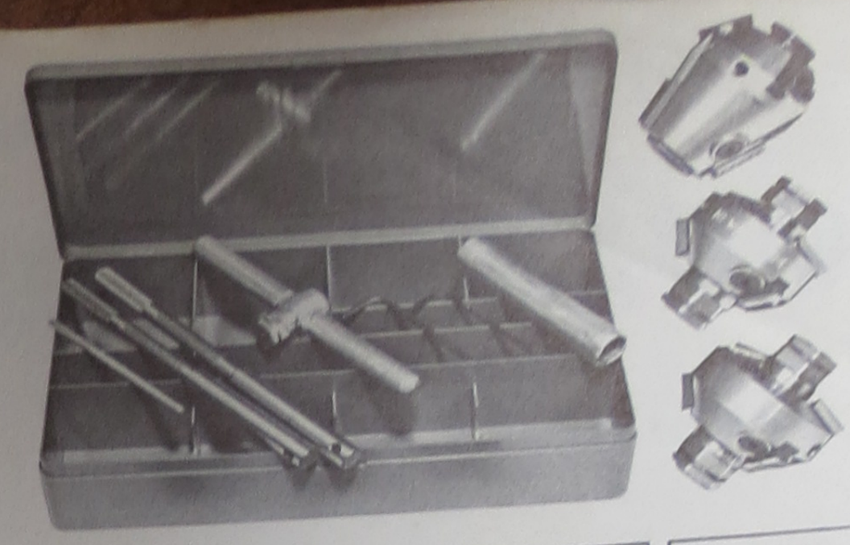
- **SPEEDIER — Cuts new Volkswagen valve seats with fast-cutting carbide blades, superior to old-style abrasive stones.**
- **SAFER — Forms no grinding dust to damage cylinder walls.**
- **SIMPLER — Does the job quickly and precisely without use of power equipment.**

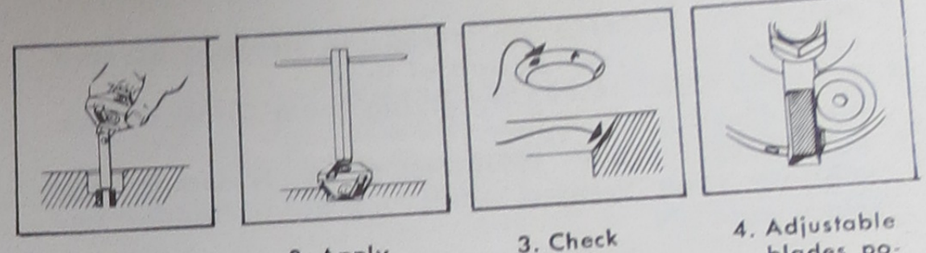
No shop is complete without a Neway Valve Seat Cutter. The new TVCX-231 Valve Seat Cutter Kit has been expanded to cover all 1200, 1500, and 1600 VW cylinder heads.

With the new expandable pilot you can cut a perfect precision fit valve guide seat everytime regardless of the valve guide condition. Serrated, hand-ground Tungsten Carbide Blades do the cutting neatly, easily, and precisely. The T-handle wrench furnished with kit turns the cutting tool. It only takes a few turns with light pressure to refinish old valve seats with a new satin smooth finish.

With three different cutting heads you can cut 46 degree finished angles plus 15 and 75 degree trimming angles. Kit comes complete with three different cutting heads, two expandable pilots, one T-handle wrench, two hex wrenches, pilot puller pin, and rugged plastic case. Replacement blades available at low cost. Instructions supplied with each kit.

TVCX-231 Valve Seat Cutter Kit
Replacement Blades,





1. Place pilot in valve guide, cutter over pilot.
2. Apply wrench and turn.
3. Check surface of seat.
4. Adjustable blades position to new cutting edge.

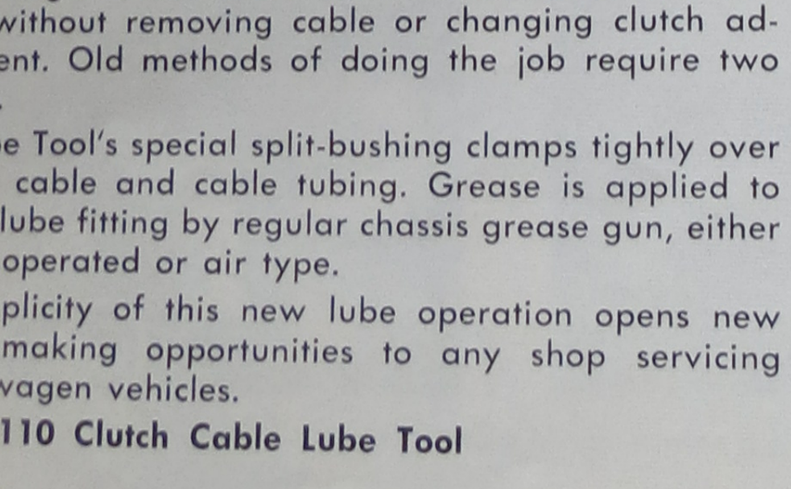


Chrome Nickel Cast Iron Valve Guides

Chrome Nickel Cast Iron Valve Guides, dry lubed by the Parco-Lubrite Process. Will not stick. Same high dimensional accuracy and concentricity tolerances as the originial EMPI aluminum silicone bronze guides.

Managanese Iron Phosphate, impregnated in the metal, retards welding from friction; retains oil to insure adequate lubricat ion; assures rapid and safe "break in;" chemically removes surface burrs and machine irregularities. Treated surfaces feel rough but are actually smoother due to lubricating nature of the coating.

REGULAR	EXHAUST	INTAKE
36 hp VW 1200 series (type I & II vehicles)	EGEV-166	EGIV-176
1200,1300,1500,1600cc series engines (type I, II,III vehicles), 1961 & later	EGEX-167	EGIX-177
OVERSIZE (.005 inches O.D.)		
36 hp VW 1200 series (type I & II vehicles)	EGEV-168	EGIV-178
1200,1300,1500,1600cc series engines (type I, II,III vehicles), 1961 & later	EGEX-169	EGIX-179



CLUTCH CABLE LUBE TOOL

- **Saves shop time.**
- **Provides a new lubrication service at low cost.**
- **Prolongs life of clutch cable on Volkswagen cars and trucks.**

Simple, inexpensive Clutch-Cable Lube Tool greases Volkswagen clutch cable from end to end in two minutes without removing cable or changing clutch adjustment. Old methods of doing the job require two hours.

Lube Tool's special split-bushing clamps tightly over clutch cable and cable tubing. Grease is applied to tool's lube fitting by regular chassis grease gun, either hand operated or air type.

Simplicity of this new lube operation opens new profit-making opportunities to any shop servicing Volkswagen vehicles.

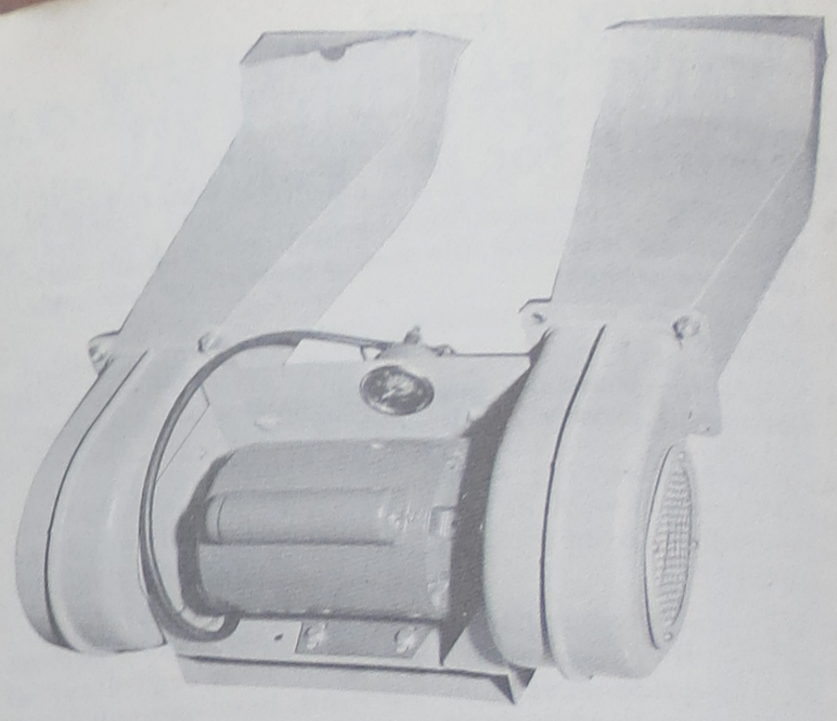
TCCV-110 Clutch Cable Lube Tool

FREE @ www.tjkustoms.com

COOL OFF HOT ENGINES
with

QUIKOOLER

...the portable blower for
Volkswagen & Porsche



- **ADDS TO PROFITS** by increasing number of cars serviced in a given period of time.
- **PLEASES CUSTOMERS** by giving them faster service on Volkswagen engines.
- **INCREASES SHOP EFFICIENCY** by lessening the waiting time needed while too-hot-to-handle engines cool off.

Quikooler is a shop device that enables mechanics to quickly cool too-hot-to-handle Volkswagen engines so that valve adjustments and other inspection, tune-up, and repair work can be performed with a minimum of wasted time.

Bottleneck to efficiency in many service organizations is cars waiting to be serviced. Those waiting cars crowd valuable space in parking or service areas. Owners of waiting cars are unhappy about the inconvenience of delays.

With Quikooler in the shop, no longer must valve adjustment jobs wait till hot engines slowly dissipate their heat. Quikooler's twin blowers force air under pressure through the ducting of the Volkswagen's cooling system, giving the mechanic a cool engine to work on with a minimum of unproductive waiting time.

A portable device weighing a mere 44 pounds, Quikooler employs twin squirrel-cage blowers delivering 1440 cubic feet of air per minute. Device hooks onto Volkswagen's rear bumper, and may be put into operation in less than one minute. Quikooler is powered by heavy-duty, capacitor type, ½-hp electric motor which operates off standard 120-volt AC power lines. Special Quikooler feature is gauge showing oil temperature in Volkswagen engine that is being cooled.

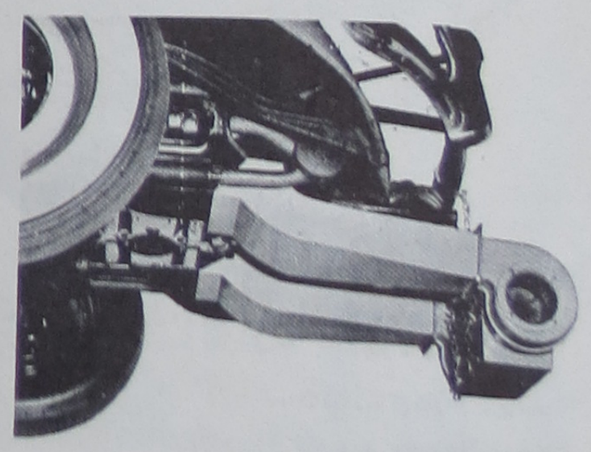
Through the use of supplemental Quikooler ducts, Quikooler may be adapted to fit all Volkswagen 1200 Series cars and most production-model Porsches.

TECV-140 Quikooler, with one set of ducts (Your choice from list following)

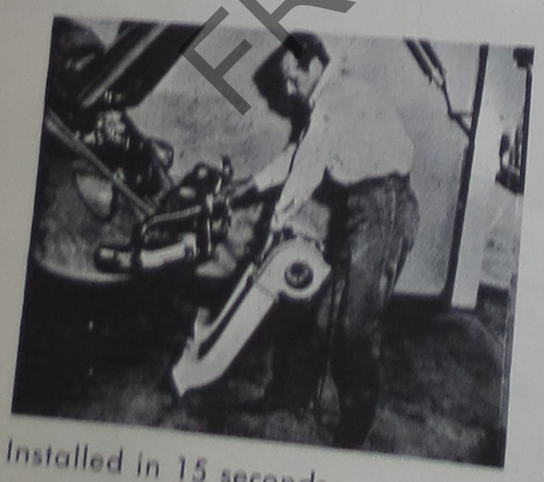
YOUR CHOICE OF ONE OF THESE SETS OF DUCTS:

- ☐ 36 hp VW passenger cars
- ☐ 40 hp VW 1200 – '61-'62
- ☐ 40 hp VW 1200 – '63-'65
- ☐ VW 1500 – '66-'67
- ☐ Porsche 365, 365B, 365C

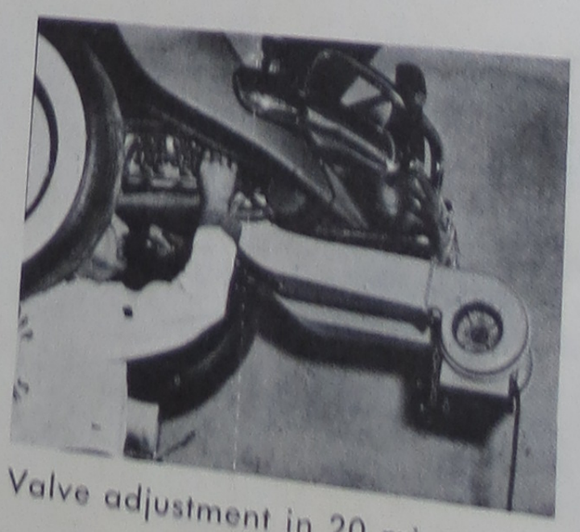
Extra sets of Quikooler ducts (Any of above)



Cools engine with air



Installed in 15 seconds



Valve adjustment in 20 minutes



Complete 3,000 mile service in ½ hr.

REV 7-67

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Boost shop income with the manually operated

VW CASE and CYLINDER HEAD BORING BAR - TCHX-270



This tool was designed by EMPI and manufactured in West Germany to enable Volkswagen mechanics to economically enlarge Volkswagen cases and cylinder heads diameters to accept larger than stock cylinder andpiston kits. It also can be used to raise the compression ratio of the Volkswagen engine by its ability to remove metal from the combustion chamber of the cylinder head.

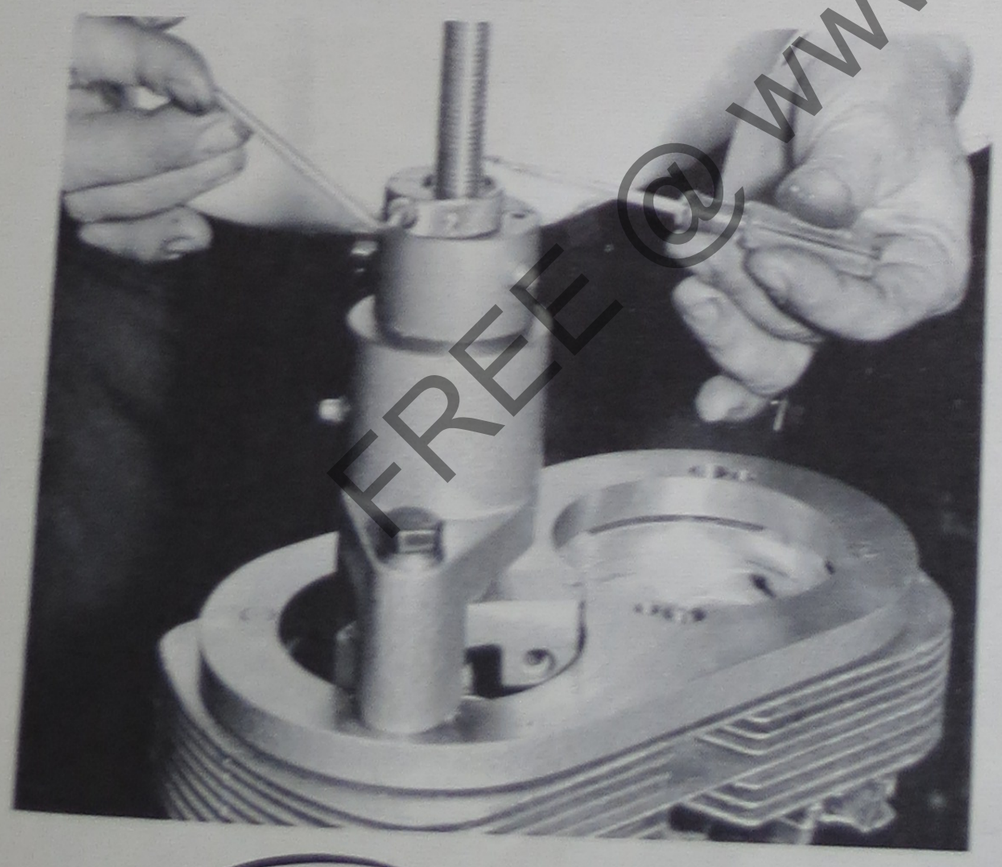
The TCHX-270 is designed and manufactured to the most exacting standards and will last a life time. No Volkswagen dealership or independent repair shop is complete without this tool. This tool will quickly pay for itself by performing the operations of enlarging cylinder heads and cases and raising the compression ratio.

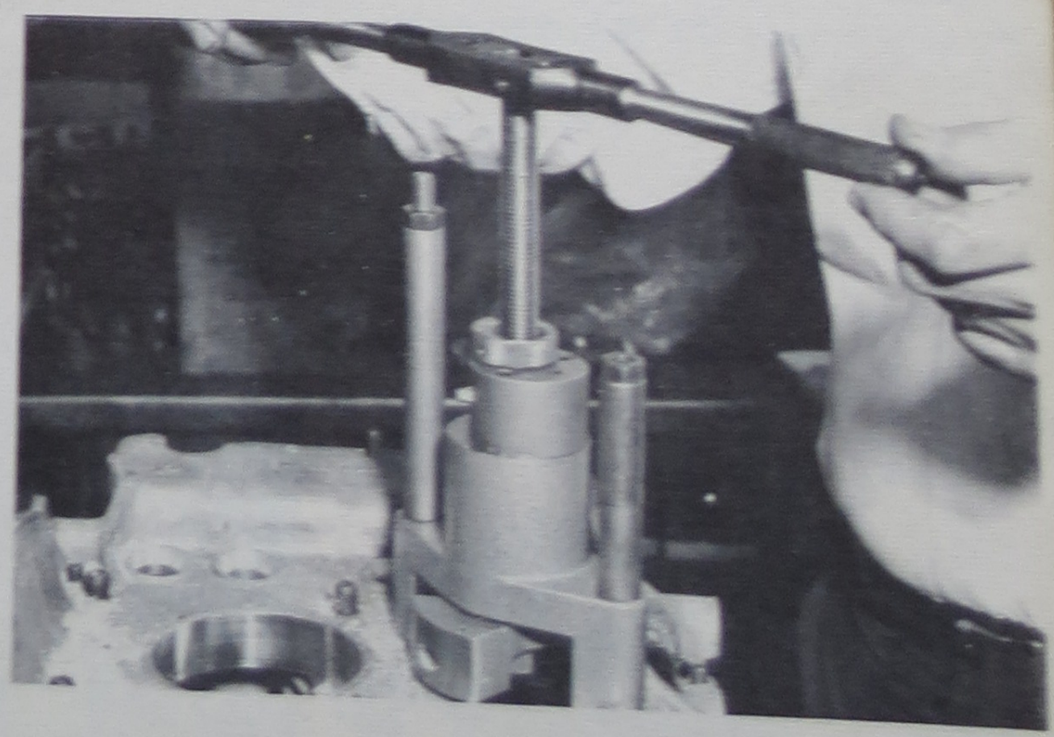
There is an ever increasing demand to have this type of work performed by Volkswagen owners who want to improve their Volkswagens performance by adding the EMPI 88mm Super Big Bore Kit. This tool will of course work with other big bore kits as well as Volkswagen oversized cylinders. The average charge to perform this type of work by a regular machine shop would retail for:

1. Modify cylinder heads for 88mm Super Big Bore —— $12.50 per set
2. Modify cylinder heads for 88mm Super Big Bore Kits and raise the compression ratio —— $15.00 per set
3. Modify case halves for 88mm Super Big Bore Kit —— $40.00

The above charge is suggested only and would remain about the same regardless of the amount of enlargement.

Any well trained mechanic will quickly learn to operate this tool by the instructions provided.







FIRST IN SPEED EQUIPMENT FOR VW

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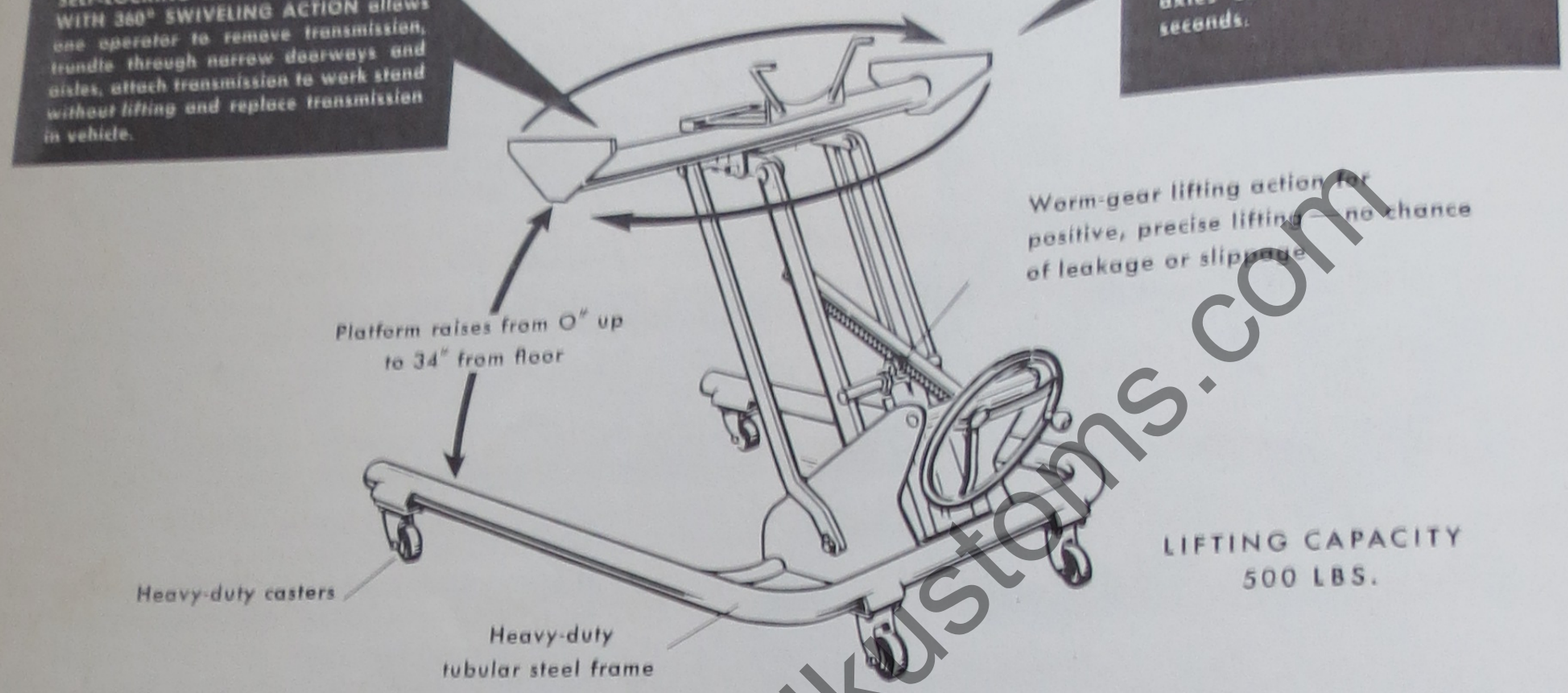
NOW! ONE DOES THE VW ENGINE AND TRANSMISSION WORK OF

WITH THE Motor Porter

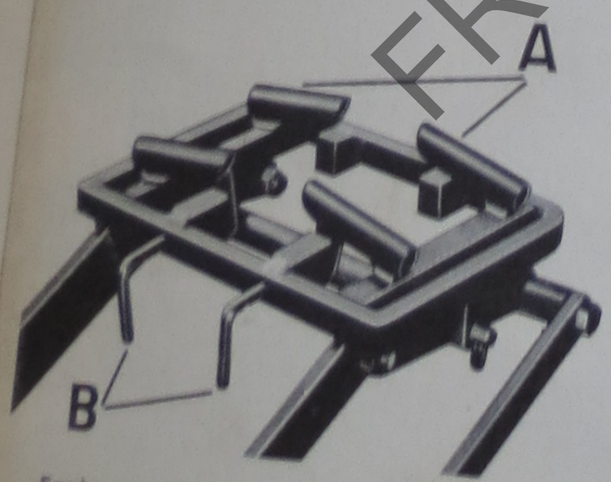


- *One man handles engine* **AND TRANSMISSION** *removal and replacement!*
- *Allows you to transport engines* **AND TRANSMISSIONS** *anywhere quickly and easily!*
- *Locks engine* **OR TRANSMISSION** *in place in* **seconds!**
- *Serves as a stable and secure work stand!*

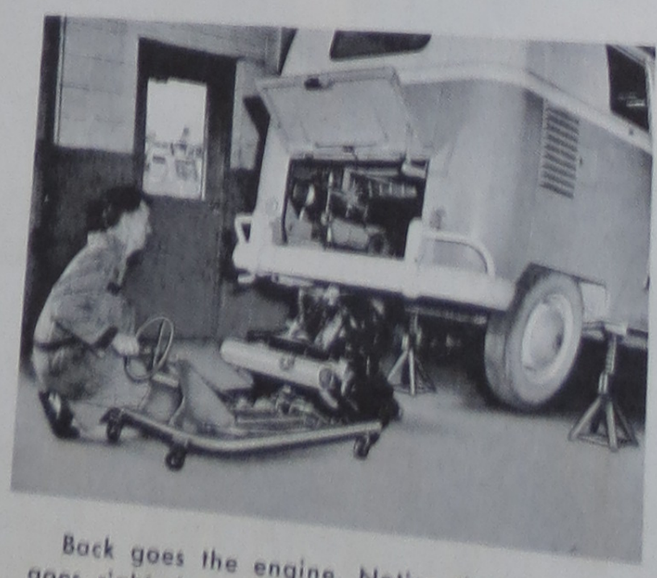
The Motor Porter has been tested by the Volkswagen factory and approved for Volkswagen workshop use.

TMPV-170 Motor Porter, with 2 interchangeable engine cradles (one of which is easily adapted for Porsche use). Shipping weight approx 160 lbs

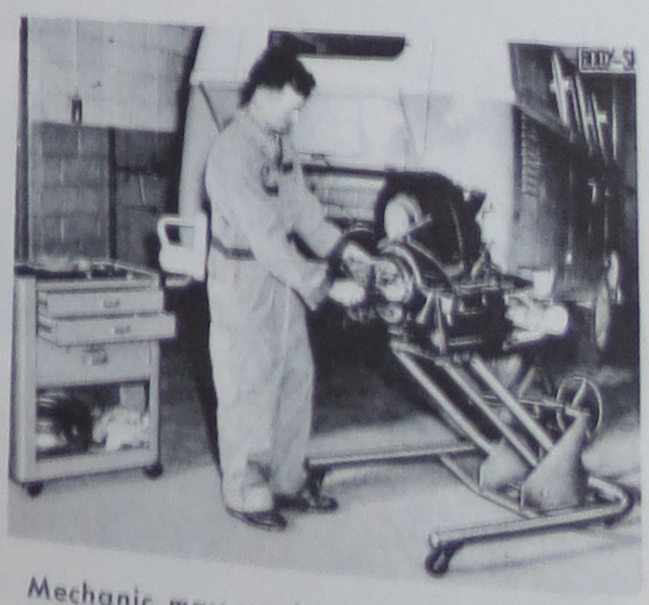
MP-1 Transmission Cradle for Motor Porter



Engine cradle with patented locking device. Note 4 "fingers" (A) which fasten onto 4 nuts underneath engine. Engine locks by pushing in locking pins (B).



Back goes the engine. Notice that engine goes right down to the floor to slide under bumper of vehicle that is on ordinary garage horses.



Mechanic may work on engine right at the vehicle.

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