

ALPINA

The Tii Versions (A4)

and

The 1975 Price List



ALPINA

The firm, ALPINA Burkhard Bovensiepen has always held a special place of admiration and respect with BMW owners around the world. Their reputation as an outstanding supplier of high performance BMW vehicles and components has been clearly demonstrated on many occasions over the past 40 years. Starting as a small firm supplying "tuning" items for the 1600 model, the firm has now become an automobile manufacture in its own rite.

During the late 60's and early 70's. the company provided an extensive line of performance components, engines and complete vehicles in various level of tune, ranging from "mild to wild". This booklet provides an insight into the ALPINA Tii versions and the range of options available to owners of a "New Class" BMW. For a present day owner, this collection of ALPINA History will make you truly long for "The Good Old Days"

The tii Register
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The ALPINA Tii VERSIONS

During the late 1960's and through most of the 1970's, the German tuner ALPINA offered a range of performance upgrades for the 4 cylinder BMW models of the day. The choices were extensive. You could take your BMW to them or they would supply a fully modified new vehicle to you. All such conversions, then and now, had to meet federal inspection regulations in order for the owner to legally drive the vehicle. The modifications had to be certified in writing by ALPINA and this documents became part of the vehicles permanent registration.

The government regulations are based on vehicle safety and require periodic inspection by TÜV, the agency charged with insuring that only safe vehicles should be allowed on the roads. The inspection criteria are quite strict in many ways, particularly regarding modification of any component supplied or authorized by the vehicle manufacturer. From the beginning, BMW has had a working relationship with ALPINA which aided them in developing proper certification standards with TÜV..

ALPINA designated their 4 cylinder M-10 conversions with the letter "A". 5 variation were developed (A1-A5) but only the first four (A1-A4) were produced for sale. The only version using the Kugelfischer injection pump was the A4, which was offered in 2 levels of performance....A4 and A4S. The specification table you will see in this document cover these 2 options. One of the principal modifications made was to use a special 4 throttle intake manifold developed by ALPINA. Each individual throttle body had a 45mm bore and the throttles could be adjusted individually. The differences in developed horsepower between the 2 version was set by the engine modifications utilized. Power output was impressive with 160 HP for the A4 and 175 HP for the A4S. Over the total production period, 184 A4 engines and 90 A4S engines were built. A prototype A5 version was developed but was not sold.

Please remember that some of these units were conversion of vehicles already licensed and in use. You could start with a standard 1600-2002 and convert it to an A4. However, you then had to upgrade the brakes, suspension and drive train as well in order to meet TÜV requirements. Mandatory brake upgrading included vented front disc brakes. Obviously, if you started with a Tii, the conversion was simpler and less costly. Simply said, you had to convert the vehicle to a Tii with improved braking to handle the increased power levels.

The translation of the A4 certification documents outlines the steps and changes necessary to receive a license to operate the vehicle in Germany. The licensing process includes approval documents from BMW and ALPINA as well as a physical inspection of the vehicle to verify compliance. It was a lot of work and expense to own and drive an ALPINA A4, but you could have a lot of fun with on the Autobahn. Unfortunately, the necessary parts are no longer available or are rare and quite expensive.

of a performance-enhanced engine, type A4, manufactured by Burkhard Bovensiepen KG, 8938 Buchloe/Swabia, retrofitted to passenger vehicles

Type			GTA - Nr.(2)
BMW	1600-2	Model A, B	5260 and 5260/1
	1602	Model A, B	5260/1
	1600 TI		5872
	1802	Model A, B	7744
	2002	Model A, B	6036
	2002 TI		6362
	2002 tii		7641
	Touring	Model A - H	7749
	520	Model A, B	8339
	520, Trade Name 520 i	Model C, D	8339

of the Bavarian Motor Works AG, Munich, to serve as a working reference for Officially Appointed Experts or Inspectors(3) conducting vehicle inspections as per articles 19 or 21 of the Federal Motor Vehicle Safety Standards(4).

Applicant:

Burkhard Bovensiepen KG
8938 Buchloe/Swabia
Alpenstrasse 35 - 37

The following specification items are to be adjusted in the Vehicle Registration Document upon installation of the A4 engine:

I. Vehicle types BMW 1660-2, 1602, 1600 TI, 1802, 2002, 2002 TI, 2002tii, Touring Models A - H:

Item 6: Top Speed: 204 km/h
Item 7: Maximum Output: 153 hp (112 kW) @ 6750 rpm
or: 160 hp (118 kW) @ 6700 rpm

(see also subsection III. 6. of this report)

Item 8: Capacity: 1977 cc
(varies by installation)

Items 20 to 23: Tire Sizes: front: 165 HR 13
center and rear: 165 HR 13

Item 30: Sound Level - Stationary: 83 dB(A) N (drivetrain
measured at 5050 rpm)

Item 31: Sound Level - Driving: 82 dB(A) N (4 Speed)
78 dB(A) N (5 Speed)

Item 33: Remarks:
(varies by installation)

Item 6: Ratio, differential $i = 3.64$
Front spoiler*

Item 7: 4 throttle valves, air cleaner Purolator E622, fuel injection
pump type PL 04-124.01 B1 (or PL 04-129.10), modified
cylinder head, Alpina exhaust header/down pipe*

Items

- 20 - 23: a) on steel rims 5J x 13 FMVA₄₀ 006
b) on steel rims 5 1/2 J x 13 FMVA₄₀ 005
c) on light alloy rims 5 1/2 J x 13, Nr. 36 11 101 (GTA₄₀
applied for)*

Item 34: Supplementary Vehicle Specifications:
Suspension essentially corresponds to type BMW 2002 tii;
dual-circuit brake system, ventilated front brakes of type ATE
2 M 4-40 K; rotor thickness 20 mm, front brake pad: type
Textar V 1431 G; rear: Energit 999 cemented*

II. Vehicles of type BMW 520:

Item 6: Top Speed: 198 km/h
Item 7: Maximum Output: 155 hp (114 kW) @ 6750 rpm
Items 20 to 23: Tire Sizes: front: 175 HR 14
(Models A, B) center and rear: 175 HR 14

- Item 30: Sound Level - Stationary: 84 dB(A) N (drivetrain measured at 5050 rpm)
- Item 31: Sound Level - Driving: 84 dB(A) N (4 Speed)
- Item 33: Remarks:
- Item 6: Front spoiler*
with models A, B: ratio, differential $i = 3.9^*$
- Item 7: 4 throttle valves, air cleaner Purolator E681; fuel injection pump type PL 04-124.01 B1 (or PL 04-129.10), modified cylinder head*
- Item 34: Supplementary Vehicle Specifications:
Alpina suspension kit FC 1:
ventilated front brakes of type ATE 2 M4-40 K; rotor thickness 22 mm, front brake pad: type Textar V 1431 G rear: Energit 999 cemented;*
with models A, B:
Sway bars front: 22 mm diameter
rear: 16 mm diameter

Instructions for O. A. E. o. I.

The performance enhancements are based on a standard engine type BMW 121 and have been developed on the basis of the vehicle type BMW 2002 tii.

The engine output is attained by the use of an intake manifold with 4 throttle valves, increased compression (10:1), a 300° camshaft and Alpina exhaust header/down pipe.

A Purolator air cleaner system (with pleated paper cleaner insert) type E 622 dampens induction noise and filters induction air. The type PL 04-124.01 B1 fuel injection pump is used with factory-original engines and the type PL 04.129.10 fuel injection pump is used with engines assembled by the Bovensiepen Company.

Installation of the A4 engine in a type BMW 520 vehicle requires fitting of a type E 628 Purolator air cleaner system. Due to the efficient design of the factory exhaust system, installation of an Alpina header/down pipe is dispensed with.

The provisions for compliance with emissions regulations are externally identifiable as a connecting hose between the 4 induction pipes which is connected to the crankcase ventilation via a bypass hose and non-return valve.

An emissions inspection report for a vehicle retrofitted with a spark-ignition engine, type A4, issued by the ATL, Rhineland-Westphalia Inspection Station for Vehicle Emissions on August 3rd, 1973 (File # 576758/00 Hol/Jel) according to article XIV of the Federal Motor Safety Standards, is available to certify installation in types BMW 2002 tii/BMW Touring - model H, BMW 520 - all models.

Provided all specifications and stipulations presented here are fulfilled and provided the unladen weight of the installed vehicle does not exceed 920 kg, the emissions compliance certification above may be applied to all other vehicle types specified on sheet 1.

The engine type A4 may be installed in the BMW types listed, provided the specifications and restrictions below are adhered to:

I.1 for the types BMW 2002 tii/Touring, model H:

1. The Alpina suspension kit FA 3 must be installed. This essentially consists of 2 front suspension struts; ventilated brake rotors, (thickness 20 mm, diameter 255 mm), the requisite type 2 M 4 - 40 K brake calipers, Textar type 1431 G brake pads and ducted brake disc backing plates for improved cooling.
2. The factory steel rims are to be replaced with:
 - a) Alpina steel rims (holed) 5J X 13, type R1-439 with GTA₍₇₎, marked FMVA₍₇₎ 40 006, or
 - b) Alpina steel rims (holed) 5 1/2 J X 13, type R1-440 with GTA₍₇₎, marked FMVA₍₇₎ 40 005, or
 - c) Alpina light alloy rims 5 1/2 J X 13, Nr. 36 11 101, GTA₍₇₎ applied for (ref. structural integrity certificate of the ATI₍₇₎ Bavaria), provided wheel wells afford sufficient clearance. Additional widening of the fenders may be necessary.
3. A differential with ratio $i = 3.64$ is required.

I.2 all other types (of the small series) must have their suspensions upgraded to the specifications of the type BMW 2002 tii. Depending on type of installed vehicle, the following must be additionally installed:

- Suspension:
- 2 Front Control Arms
 - 2 Wheel hubs and bearings (incl. oil seals and dust caps)
 - 2 Rear trailing arms (left and right, closed profile)
 - 2 Hardened axleshafts
 - 2 Rear drive flanges
 - 2 Sway bars (front and rear)
- Brake System: Dual-circuit brake system, brake booster with master cylinder of 23.81 mm inner diameter and 230 mm diameter rear brakes.

Exhaust System: Muffler BMW part # 18 12 1 108 378 (except Touring)

II for the types BMW 520, models C, D:

The Alpina suspension kit FC 1 must be installed. This essentially consists of larger ventilated brake rotors, (thickness 22 mm, diameter 272 mm), the requisite type 2 M 4 - 40 K brake calipers, as well as brake pads

front: Textar type V 1431 G

rear: Energit 999 (cemented)

furthermore, all vehicles of type BMW 520 models A, B are to be equipped with

1. Radial tires rated to at least 180 km/h (eg. HR rated)
2. Sway bars (front: 22 mm diameter; rear: 16 mm diameter)
3. Differential, ratio $i = 3.90$

It is advisable that a written confirmation of the proper completion of conversion work is obtained from the B. Bovensiepen Company or from one of its appointed dealerships; furthermore, all converted engines are to have the marking "A4" appended to the engine number.

The B. Bovensiepen Company will equip vehicles with further special options on request. The installation of any combination of these special options is of no technical consequence.

The special options III.1, 2, 5, 7, IV.1, 3 may be installed without engine conversion.

The special options III.3 and IV.2 may only be installed in combination with the B. Bovensiepen company's suspension kits FA 3 and FC 1.

The special option III.4 may only be installed in combination with the Alpina engine types A2 and A4, the special option III.6 only in combination with engine type A4.

III. Type BMW 1660-2, 1602, 1600 TI, 1802, 2002, 2002 TI, 2002 tii, Touring, models A - H:

1. Tires 185/70 (H, V) R 13

Wheel wells to be inspected for adequate clearance.

The mounting of this tire size precludes the use of snow chains. Should driving conditions warrant their use, the vehicle must be downgraded to a 165 (H, V) R 13 tire size mounted on 5J X 13 Alpina rims.

2. Manual 5 speed transmission

(Manufactured by Getrag Transmission and Gear Factory GmbH, Ludwigshafen) with the following gear ratios

- | | |
|---------------|---------------|
| 1. Gear: 3.27 | 4. Gear: 1.24 |
| 2. Gear: 2.16 | 5. Gear: 1 |
| 3. Gear: 1.58 | |

3. Front air channelling device in form of a glass fiber front spoiler, Alpina part # 41 00 105, attached to the vehicle at the nose panel and at the front suspension crossmember.

There is no technical reason to believe that, as a result of installing the front spoiler, brake rotor temperatures, driving stability, the effects of accidental destruction or general use (clearance) will give any cause for concern.

4. Adjustable sway bars

The standard sway bars (front 15 mm diameter, rear 16 mm diameter) may be replaced with adjustable sway bars, front 18 mm diameter Alpina part # 3135 101; rear 16 mm diameter, Alpina part # 3355 101. Adjustment is accomplished by varying leverage through the use of different mounting points at the sway bar ends, sway bars are attached to the front control arms and rear trailing arms by connecting rods with flexible joints.

5. Sports Steering Wheels

Sports steering wheels (Momo, Moretti Co., Milan brands) may be installed up to a minimum diameter of 350 mm (-2 mm). The steering wheel spokes are marked with the Alpina name. A General Type Approval⁽²⁾, ECE Permit according to regulation # 12 or valid Certificate of the ATI⁽¹⁾, Rhineland, Tacitusstrasse 15, 5 Cologne 1 must be furnished.

6. Exhaust Systems

The BMW types listed on sheet 1 (except BMW Touring) may be fitted with the mufflers specified below, but only in combination with the 5 speed transmission specified in item 2 of the special options.

- a) Zeuna-Stärker part # SK 5743
- b) Eberspächer part # 14.21.171.90.001

The results of measurements at full and part load, of exhaust gas CO content as well as of exhaust back pressure in the exhaust system do not indicate a less favourable combination of exhaust gases according to appendix XIV of the Federal Motor Vehicle Safety Standards⁽³⁾, so that no re-inspection is necessary.

This results in the following specifications in the Vehicle Registration Document:

- | | | |
|----------|---|---|
| Item 7: | <u>Maximum Output:</u> | 160 hp |
| Item 30: | <u>Sound Level - Stationary:</u> | 81 db(A) N (drivetrain
measured @ 5000 rpm |
| Item 31: | <u>Sound Level - Driving:</u> | 83 db(A) N (5 speed) |
| Item 33: | <u>Remarks:</u> | |
| Item 7: | Alpina header/down pipe, Muffler Zeuna&Stärker # SK 5743 or
Eberspächer # 14.21.171.90.001* | |

7. Fuel Tank with 90 liter capacity

The enlarged fuel tanks, Alpina #s 16 10 101 and 16 10 106, manufactured from the significant constituent parts of the standard fuel tanks, may be installed in vehicle types BMW 1600-2, 1602, 1600 TI, 1802, 2002, 2002 TI, 2002 tii.

The fuel tank filler is situated on top of the fuel tank inside the trunk. The unladen weight of the vehicle must be redetermined and recorded.

Following entries are to be made in the Vehicle Registration Document:

- | | | |
|----------|---|-------------------------|
| Item 12: | <u>No. of Seats incl. Driver and Passenger:</u> | may need to redetermine |
| Item 14: | <u>Unladen Weight:</u> | as weighed |
| Item 33: | <u>Remarks:</u> | 90 Liter Fuel Tank* |

IV. Type BMW 520

1. Tire size 195/70 (H, V) R 14

on Alpina light alloy rim 7J X 14 H 2, part # 2800 206 as per drawing nr. 3611 601 of 02/08/73, revision dated 05/10/73.

TECHNICAL ENGINE SPECIFICATIONS :

Vehicle Types:

2002 tii

Version : 10/1973

Engine Type

ALPINA - A4

ALPINA A4/S

Basic Engine Type

2002 tii

Engine Type

Four Cylinders, In-line

Capacity

[cc] 1990.76

Bore

[mm] 89.00

Stroke

[mm] 80.00

Maximum Output (DIN)

[kW/hp] 117.7/160.0

128.0/175.0

@ engine revs

[rpm] 6700

6900

Maximum Torque

[Nm] 180

188

@ engine revs

[rpm] 5800

6000

Maximum Engine Speed

[rpm] 7000

7200

Compression Ratio

:1 10.00

10.50

PISTONS

Manufacturer

BMW

KS

Type

Standard 2002 tii

Forged

Diameter

[mm] 88.95

88.95

Crown Profile

Standard, Raised

Dome-Top

Piston Pin Diameter

[mm] 22.00

22.00

CONNECTING RODS

Manufacturer

BMW

ALPINA

Modification

Standard 2002 tii

Lightened, Polished

CYLINDER HEAD

Combustion Chamber

Standard 2002 tii

Hemispherical

Machining

I/O

Ports, Seats

Ports, Seats

Valve Diameter

I

[mm] 46.00

46.00

Valve Diameter

O

[mm] 38.00

39.00

Modification

I/O

Standard 2002 tii

ALPINA Polished

CAMSHAFT

Engineering

ALPINA

ALPINA 11 31 102

Duration

I/O

[°CA₁₀₀] 300

300

Lobe Separation

I/O

[°CA₁₀₀] 110

110

Cam Lift

I/O

[mm] 7.60

7.60

Maximum Valve Lift w/o Clmce.

I/O

[mm] 10.00

10.00

Valve Clearance Cold

I/O

[mm] 0.20 / 0.20

0.20 / 0.20

IGNITION

Manufacturer

BOSCH

Firing Order

1 - 3 - 4 - 2

Ignition Timing

[°CA₁₀₀]

34.0

32.0

@ engine revs

[rpm]

5000

5000

Spark Plugs

BOSCH W 5 DC

[Heat Range: 215 - 235]

Distributor [w/o Vac. Reg.]

BOSCH 0 231 151 008

BOSCH 0 231 151 008

[w/o Vac. Reg.] opt.

BOSCH 0 231 151 009

BOSCH 0 231 151 009

FUEL INJECTION

Manufacturer

KUGELFISCHER

Type

PL 04 -129.10

ALPINA - A4 and A4/S

Fuel Grade

[RON]

98 Premium Leaded

ATTACHED COMPONENTS

Injection Valves

Standard 2002 tii

Standard 2002 tii

FOUR-THROTTLE BUTTERFLY SYSTEM

Manufacturer

ALPINA

ALPINA

AIR CLEANER

Air Box

ALPINA Aluminum Assembly

ALPINA Aluminum Assembly

Intake Hose and Air Funnel

ALPINA

ALPINA

Element

ALPINA Custom

ALPINA Custom

EXHAUST SYSTEM

Header

Standard 2002 tii

Bores Polished

Down Pipe

ALPINA A 1310

ALPINA A 1310

Resonator

Standard 2002 tii

ALPINA A 1311

Pipe

Dia[mm] x L[m] ø45 x 1.5

ø 50 x 1.5

Muffler

ALPINA A 1312

ALPINA A 1312

AUSGEZEICHNET!

This is the German word for "Excellent", which best describes the quality of the translation made by Mike Roland of the original TÜV documentation covering the ALPINA - Tii version.

Thanks! We appreciate your efforts.

Bob Murphy - The Tii Register
July 2000

Notes on Translations and Abbreviations

The documentation has been translated to give the reader the impression of reading an original in their native language - absolutely *everything* is translated, including names, addresses, accronyms and terms: where appropriate, an English language *equivalent* has been devised. It is felt that the result *looks and feels more authentic* than a document which mixes English and German. This section explains the style aspects incorporated into the translation, as well as some of the technical abbreviations adopted.

- (*1) **"Association for Technical Inspections", abbreviated "ATI"** - this is the German "TÜV", the "Technischer Überwachungsverein", an institution which carries out all manner of inspections and certifies the quality of products (in this case on behalf of the of the FMVA^(*)). Note: "e. V." (see top of each sheet on original) means "eingetragener Verein" - German for a registered association.

- (*2) **"General Type Approval", abbreviated "GTA"** - this is the name given to the vehicle certification, "ABE" or "Allgemeine Betriebserlaubnis" granted by the TÜV^(*) for instance to the various standard BMW 02 series types, so that not every single car that is sold needs to undergo the type of inspection that this inspection report documents!

- (*3) **"Officially Appointed Experts or Inspectors", abbreviated "O. A. E. o. I"** - standard TÜV^(*) terminology to describe those that generally inspect vehicles (especially modified ones), the "amtlich anerkannte Sachverständige oder Prüfer", conveniently abbreviated by the TÜV^(*) to "a. a. S. o. P." on sheet 3!

- (*4) **"Federal Motor Vehicle Safety Standards"** - the law governing vehicle certifications enforced by the FAMV^(*), the "StVZO" or "Straßenverkehrszulassungsordnung".

- (*5) **"Federal Motor Vehicle Agency", abbreviated "FMVA"** - this is the "Kraftfahrt-Bundesamt" or "KBA", the German federal agency regulating vehicle safety.

- (*6) **"°CA"** - degrees crankshaft angle (see spec sheet): the German "°KW" meaning degrees "Kurbelwellen - Winkel" (crankshaft angle), as opposed to degrees *camshaft* angle, which would have been abbreviated to "°NW" in German (NW for Nockenwelle - camshaft in German).

The ALPINA 1975 Price List

This catalog and price list was issued in 1975 for the U.K. and other English speaking markets. Pricing is shown in DM, not including shipping or core charges and assumes delivery in Buchloe.

The USD/DM exchange rate at the time this catalog was received was.....

1 DM = 0.383 USD or-
100 DM = \$38.40

What you are reading is a piece of fascinating history. While some of the items listed that were sourced from major supplier can be duplicated today, virtually all of these items are no longer available - what a pity!!

ALPINA

PREISLISTE

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Subject to Changes!

ALPINA

PREISLISTE

ALPINA - Kits and Special Cylinder Heads

ALPINA kit A 1 with 2 double carburettors
for BMW 2002/Touring, performance increase
from 100 to 115 DIN H.P.
top speed approx. 185 km/h (115 m.p.h.) 1060,-- 8

ALPINA kit with 3 double carburettors
for BMW 3.0 S/3.0 CS, performance increase
from 180 to 200 DIN H.P.
top speed approx. 220 km/h (135 m.p.h.)
complete with air cleaner and intake manifolds 2500,-- 8

ALPINA fuel injection system for TII-engine
complete with air cleaner and acceleration
linkage 1550,-- 8

ALPINA kit with special cylinder head
(in exchange) with 2 double carburettors,
sports camshaft, special exhaust system
consisting of breeches pipe and silencer
for BMW 2002/Touring, performance increase
from 100 to 140 DIN H.P.
top speed approx. 195 km/h (120 m.p.h.) 2400,-- 8

ALPINA fuel injection system with special
cylinder head (in exchange), sports camshaft,
special exhaust system consisting of breeches
pipe and silencer as well as special air
cleaner for BMW 2002 TII, performance increase
from 130 to 150 DIN H.P.
top speed approx. 200 km/h (125 m.p.h.) 2700,-- 8 \$ 1031

The same kit for BMW 520 i (without exhaust
system) 2400,-- 8

Prices without V.A.T.

ALPINA

PREISLISTE

Exhaust Systems (4- and 6-cylinder)

Performance increase of 5 to 20 DIN H.P. can be obtained from these exhaust systems together with ALPINA kits and engines. Some of our high performance kits are already equipped with such exhaust systems.

Special silencer for BMW 1602/1802/2002/TI/TII	185,-- DM 3 S 1
Special breeches pipe for BMW 1602/1802/2002/TI/TII/Touring	110,-- DM 3 S 1
Special breeches pipe for RHD for BMW 1602/1802/2002/TI/TII/Touring	220,-- DM 3 S 1
Special exhaust system consisting of special breeches pipe and silencer for BMW 1602/1802/2002/TI/TII	295,-- DM 3 S 1
Rallye exhaust system consisting of breeches pipe, gas expansion muffler and silencer for BMW 1602/1802/2002/TI/TII	500,-- DM 3 S 2
Rallye gas expansion muffler, separate	195,-- DM 3 S 2
Rallye silencer, separate	195,-- DM 3 S 2
High-performance exhaust manifold for use with racing- or rallye exhaust (4-cylinder)	470,-- D S 2
Racing exhaust for use with high-performance exhaust manifold (4-cylinder)	160,-- D S 2
Rallye exhaust system (6-cyl. without breeches pipe)	530,-- DM 3 S 2
Special exhaust system (6-cyl. without breeches pipe)	690,-- DM 3 S 2
Special exhaust system for BMW 525/528 (without breeches pipe)	910,-- DM 3 S 2
Breeches pipe for 6-cylinder exhaust systems	100,-- DM 3 S 2
Breeches pipe for RHD for 6-cyl. models	290,-- DM 3 S 2
Large exhaust pipe for CS	60,-- DM 3 S 2
High-performance exhaust manifold for 6-cyl. competition engines	1350,-- A
Aluminium racing exhaust pipe	950,-- A

Prices without V.A.T.

ALPINA

PREISLISTE

ALPINA - Emblems and other Articles

ALPINA trade-mark (120 x 20 mm) to be attached to the side or rear of the coachwork	each	5,-- FM 10 S 1
ALPINA key-pendant		5,80 FM 10 S 1
ALPINA shift-knob		12,-- FM 10 S 1
ALPINA badge 59 mm (2 2/5 in.) Ø to be affixed to the body		3,-- FM 10 S 1
The same badge 51 mm (2 in.) Ø for ALPINA wheel caps		1,80 FM 10 S 1
ALPINA sign to be affixed to the side of the bonnet, 700 mm in length, black or silver	each	13,-- FM 10 S 1
ALPINA sign, 300 mm in length, silver or black	each	8,-- FM 10 S 1
ALPINA umbrella, sturdy construction, 1,22 m Ø (48 in.), yellow/black cloth with ALPINA emblem		34,55 DM 3 S 2
ALPINA-poster		9,-- FM 10 S 1
ALPINA-Jacket		
A sports jacket of high quality, nylon, yellow/black, with black plastic zippers, waterproof, five pockets, hood (inside of jacket), ALPINA badge on left breast pocket	Size 38 - 56	165,-- 8 S 2
Additional charge for special sizes		40,--

Prices without V.A.T.

ALPINA

PREISLISTE

B R A K E S

ALPINA has developed brake kits with ventilated disk brakes for all BMW cars. These brakes have been tested under extreme conditions and are suited for competition events and every-day-driving.

Ventilated front disk brakes are required for the BMW 1602/1802/2002/2002 TI/2002 TII and the Touring, if the performance of the engine is raised above 150 DIN H.P. The installation of these brakes into the BMW 1602/1802/2002 requires appropriate chassis modifications (ALPINA chassis set). For the BMW 2500/2800/2800 CS/525 ventilated front and rear disk brakes are needed if the engine performance exceeds 170 DIN H.P. For those cars that are already equipped with these brakes (BMW 3.0 S/3.0 CS etc.) we recommend 28 mm wide ventilated disks for the front axle.

ALPINA Conversion Kit A 3

Conversion kit for ventilated front disk brakes for BMW 2002 TI/2002 TII/Touring TII, consisting of spacers for brake callipers, two ventilated brake disks (255/20 mm), and modified protection plates, including special brake pads

365,-- B S 2

Additional charge for complete callipers

230,-- B S 2

ALPINA Conversion Kit B 1

Conversion kit for ventilated front disk brakes for BMW 2500/2800/2800 CS/525 consisting of spacers for brake callipers, two ventilated brake disks (272/22 mm), and modified protection plates as well as special brake pads

325,-- B S 2

Extra charge for complete callipers

230,-- B S 2

ALPINA Conversion Kit B 2

Conversion kit for ventilated front disk brakes for BMW 6-cyl.-models as well as 525, consisting of two ventilated brake disks (272/28 mm), two altered brake callipers, modified protection plates and special brake pads

745,-- B S 2

ALPINA Conversion Kit C 1

Conversion kit for ventilated front disk brakes for BMW 520/520 i, consisting of two ventilated brake disks (272/22 mm), spacers for brake callipers, protection plates and special brake pads as well as rear brake shoes with bonded linings 250 mm Ø

455,-- B S 2

Prices without V.A.T.

ALPINA

PREISLISTE

ALPINA Conversion Kit C 3

Conversion kit for ventilated front and rear disk brakes for BMW 525, consisting of two brake disks (272/22 mm), spacers for callipers, protection plates, 2 brake disks (272/19 mm), two modified rear brake callipers and special brake pads

915,-- B S 2

Extra charge for complete front brake callipers

230,-- B S 2

ALPINA Conversion Kit RA 2

Conversion kit for ventilated rear disk brakes for BMW 1602/1802/2002/2002 TI/2002 TII and Touring, consisting of two modified rear brake callipers with mountings for handbrake, ventilated brake disks 20 mm wide, rear brakes already mounted on trailing arms, including hardened half shafts and special brake pads

1750,-- B S 2

Additional kits for competition cars on request!

Brake Linings and Brake Pads

Special brake pads (Textar) for M-4-calliper 52,14 D S 1

Special brake pads (Textar) for L-4-calliper 43,56 D S 1

Special brake pads (Textar) for S-calliper 37,-- D S 1

Special brake pads (Textar) for rear L-calliper 33,-- D S 1

Competition brake pads (Ferodo) for Lockheed-calliper 180,-- B S 2

Competition brake pads (Ferodo) for M-4-calliper 89,90 B S 2

Competition brake pads (Ferodo) for rear M-calliper 68,-- B S 2

Complete set of brake shoes with bonded linings for drum brakes 230 mm Ø 120,-- D S 1

Complete set of brake shoes with bonded linings for drum brakes 250 mm Ø 130,-- D S 1

Prices without V. A. T.

ALPINA

PREISLISTE

CHASSIS

In cooperation with BMW and BILSTEIN chassis sets have been developed for all BMW cars. These chassis sets have been tested under extreme conditions and are the best available for BMW cars nowadays. The essential parts of the chassis sets are the special suspension units and shock absorbers as well as the ventilated disk brakes.

ALPINA chassis sets are required for all two-door BMW limousines if the performance is increased to more than 115 DIN HP (except BMW 2002 TI/2002 TII). The chassis of the BMW 2002 TI respectively TII should be reinforced if the engine performance is raised above 150 DIN HP respectively if the car is to be used for competition purposes (chassis set FA 3).

ALPINA - CHASSIS SET FA 2 for BMW 1602/1802/2002/Touring

2 BOGE heavy duty front suspension units
with negative camber

2 wheel hubs with bearings

2 modified brake-callipers with heavy duty
brake pads

2 ventilated brake disks 20 mm wide

2 reinforced rear trailing arms (in exchange)

2 reinforced rear drive flanges

2 BILSTEIN heavy duty rear shock absorbers

Large master brake cylinder

1550,-- DM 3 S 1

Extra charge for BILSTEIN front suspension units

160,-- DM 3 S 1

Prices without V.A.T.

ALPINA

PREISLISTE

ALPINA - Chassis Set FA 3
for BMW 2002 TII/2002 TII/Touring TII:

2 BOGE heavy duty front suspension units
with negative camber

2 ventilated brake disks 20 mm wide

Conversion set for brake callipers

2 BILSTEIN shock absorbers

865,-- DM 3 S 1

Extra charge for BILSTEIN front suspension
units

160,-- DM 3 S 1

Additional charge for complete calliper

230,-- B S 2

ALPINA - Chassis Set FC 1
for BMW 520/520 i:

2 BILSTEIN shock absorber inserts for
front suspension units

2 BILSTEIN rear suspension units with
adjustable spring support

2 ventilated brake disks 22 mm wide

Spacers for brake callipers and special
brake pads as well as rear brake shoes
with bonded linings

1060,-- DM 3 S 1

ALPINA - Chassis Set FC 2 / FB 5
for BMW 525/528/6-cylinder limousine:

2 BILSTEIN shock absorber inserts for
front suspension units

2 BILSTEIN rear suspension units with
adjustable spring support

640,-- DM 3 S 1

Prices without V.A.T.

ALPINA

PREISLISTE

ALPINA - Chassis Set FC 3
for BMW 525/528:

- 2 BILSTEIN heavy duty front suspension units
with negative camber
- 2 BILSTEIN heavy duty rear suspension units
with adjustable spring support
- 2 adjustable anti-sway bars with mounting parts
- 2 hard front coil springs

1475,-- DM 3 S 1

ALPINA - Chassis Set FB 2
for BMW 3.0 S/3.0 Si/2500/2800 (only for cars
up to 8/73):

- 2 BILSTEIN heavy duty front suspension
units with negative camber
- 2 BILSTEIN heavy duty rear suspension
units with adjustable spring support
- 2 adjustable anti-sway bars with mounting parts
- 2 hard front coil springs

1475,-- DM 3 S 1

ALPINA - Chassis Set FB 3
for BMW 2500/2800/3.0 S/3.0 Si/2800 L/3.0 L/3.3 L
produced after September 1973:

- 2 BILSTEIN heavy duty front suspension
units with negative camber
- 2 BILSTEIN heavy duty rear suspension
units with adjustable spring support
- 2 adjustable anti-sway bars with mounting parts
- 2 hard front coil springs

1475,-- DM 3 S 1

ALPINA - Chassis Set FB 4
for BMW 3.0 CS/3.0 CSI:

- 2 BILSTEIN heavy duty front suspension
units with negative camber
- 2 BILSTEIN rear shock absorbers
- 2 adjustable anti-sway bars with mounting parts
- Hard front and rear coil springs

1380,-- DM 3 S 1

Prices without V.A.T.

ALPINA

PREISLISTE

Suspension Units and Shock Absorbers
for BMW 1602/1802/2002/2002 TI/2002 TII/Touring:

BOGE heavy duty front suspension unit (negative camber)	180,-- DM 4 S 1
BILSTEIN heavy duty front suspension unit (negative camber)	260,-- DM 4 S 1
BILSTEIN heavy duty front suspension unit for racing (negative camber)	280,-- DM 4 S 1
BILSTEIN heavy duty front suspension unit for rallies (negative camber)	280,-- DM 4 S 1
BILSTEIN heavy duty front suspension unit for racing with adjustable aluminium spring support including progressive coil spring and rigid support with negative camber plate	950,-- DM 4 S 1
2 BILSTEIN rear shock absorbers	140,-- DM 4 S 1
2 BILSTEIN rear shock absorbers for rallye purposes	150,-- DM 4 S 1
2 BILSTEIN rear shock absorbers with rocker bearings for racing	170,-- B S 2

Suspension Units and Shock Absorbers
for BMW 6-cylinder models and BMW 520/525/528:

BILSTEIN heavy duty front suspension unit (negative camber)	300,-- DM 4 S 1
BILSTEIN heavy duty front suspension unit for racing (negative camber)	330,-- DM 4 S 1
BILSTEIN shock absorber insert for front suspension unit for BMW 6-cylinder models and BMW 520/525/528	130,-- DM 4 S 1
BILSTEIN heavy duty front suspension unit for racing with adjustable aluminium spring support including progressive coil spring and rigid support with negative camber plate	950,-- DM 4 S 1
BILSTEIN rear suspension unit with adjustable spring support (6-cyl.-limousine/520/525/528)	190,-- DM 4 S 1
2 BILSTEIN rear shock absorbers for BMW-Coupé	190,-- DM 4 S 1
2 BILSTEIN rear shock absorbers with rocker bearings for racing for BMW-Coupé	220,-- B S 2

Prices without V.A.T.

ALPINA

PREISLISTE

Chassis Springs

for BMW 1602/1802/2002/2002 TI/TII/Touring:

Hard front springs	each	45,--	DM 3 S 1
Hard rear springs	each	45,--	DM 3 S 1
Progressive front springs	each	140,--	DM 3 S 1
Progressive rear springs	each	140,--	DM 3 S 1

for BMW 520/520 i:

Hard front springs	each	48,--	DM 3 S 1
Hard rear springs	each	48,--	DM 3 S 1

for BMW 2500/2800/3.0 S/3.0 Si/525:

Hard front springs	each	48,--	DM 3 S 1
Hard rear springs	each	48,--	DM 3 S 1

for BMW 3.0 CS/3.0 CSi/3.0 CSL:

Hard front springs	each	48,--	DM 3 S 1
Hard rear springs	each	48,--	DM 3 S 1
Progressive front springs	each	160,--	DM 3 S 2
Progressive rear springs	each	160,--	DM 3 S 2

Anti - Sway Bars

Adjustable anti-sway bar front complete
with mounting parts (for BMW 1602/1802/
2002/2002TI/2002 TII/Touring) 170,-- DM 3 S 1

Adjustable anti-sway bar rear complete
with mounting parts (for BMW 1602/2802/
2002/2002 TI/2002 TII/Touring) 170,-- DM 3 S 1

Adjustable anti-sway bar front complete
with mounting parts (for BMW 2500/2800/
CS/3.0S/3.0 CS/520/525) 200,-- DM 3 S 1

Adjustable anti-sway bar rear complete
with mounting parts (for BMW 2500/2800/
CS/3.0 S/3.0 CS/520/525) 200,-- DM 3 S 1

Prices without V.A.T.

ALPINA

PREISLISTE

Special Suspension Parts and Chassis Modifications

BMW 1602/1802/2002/2002 TI/TII:

- 2 reinforced flanges for front suspension
unit supports (with negative camber) 140,-- D S 2
- Complete set of reinforced rubber mounts
for front suspension units, rear axle
subframe, engine- and transmission support 242,-- DM 3 S 1
- Reinforced front-and rear axle subframe
in exchange 280,-- B S 2
- Reinforcing of shock absorber-and strut
supports (only at our workshop) 310,--
- 2 tempered rear half shafts 97,50 B S 2

BMW 3.0 CS/CSI/CSL:

- Complete set of reinforced rubber mounts
for front suspension units, rear axle
subframe, engine- and transmission support 273,-- DM 3 S 1

Special Racing Parts on request!

Prices without V.A.T.

ALPINA

PREISLISTE

Gearboxes and Final Drives (Differentials)

High ratio steering box 12.8 : 1 (for left hand drive only) for BMW 1602/1802/2002/2002 TI/2002 TII/Touring 275,-- B S 2

High ratio steering box 13.6 : 1 (only for left hand drive) for BMW 2500/2800/3.0 S/3.0 CS (not for cars with power steering) 380,-- B S 2

GETRAG 5-speed gearbox for BMW 1602/1802/2002/2002 TI/2002 TII/Touring (ratios 3.37, 2.16, 1.52, 1.24, 1.0) 1530,-- B S 2

Installation kit (incl. propeller shaft) for 5-speed gearbox 275,-- B S 2

GETRAG close ratio gearbox ratios 2.71, 1.84, 1.38, 1.13, 1.0) for BMW 4-cylinder models 2900,-- B S 2

ZF 5-speed gearbox for BMW 6-cyl.-models for road use (ratios 3.85, 2.40, 1.76, 1.26, 1.0) 3370,-- B S 2

ZF 5-speed close ratio gearbox for BMW 6-cyl.-models for competition purposes (ratios 2.84, 1.8, 1.36, 1.14, 1.0) 3370,-- B S 2

Installation kit (incl. propeller shaft, in exchange) for 5-speed gearbox 275,-- B S 2

Final drive with limited slip differential (locking effect 75 %) for BMW 1602/1802/2002/2002 TI/2002 TII/Touring for the following ratios: 3.45, 3.64, 3.90, 4.10, 4.37, 4.75, 5.8 1400,-- B S 2

Limited slip differential (locking effect 75 %) 820,-- B S 2

Extra charge for "long-neck" final drive 150,--

Installation kit for limited slip differential 165,-- B S 2

Prices without V.A.T.

ALPINA

PREISLISTE

Final drive with limited slip differential (25 %) for all BMW 6-cylinder models, ratios 3.25, 3.45, 3.64, 3.90, 4.10	1280,-- B S 2
Extra charge for changing the ratio	225,-- B S 2
Extra charge for final drive with 40 % locking effect	225,-- B S 2
Extra charge for final drive with 75 % locking effect	320,-- B S 2
Extra charge for final drive with connections for oil cooler	240,-- B S 2
Limited slip differential (locking effect 25 %)	760,-- B S 2
Limited slip differential (locking effect 40 %)	995,-- B S 2
Limited slip differential (locking effect 75 %)	1080,-- B S 2
Oil cooler kit with accessories incl. pump for cooling of final drive for all BMW 6-cyl.-models	720,-- B S 2

Steering Wheels

ALPINA steering wheels are available for all BMW models as well as for most other cars. They are especially light and strong, due to the use of selected materials. They provide excellent road contact, which is most important when driving at high speeds. ALPINA steering wheels are covered with high-quality leather.

For the BMW models 1602/1802/2002/2002 TI/2002 TII/Touring steering wheels with 350 mm minimum diameter are recommended. For all other BMW models steering wheels with a minimum diameter of 380 mm should be used.

ALPINA leather-rimmed steering wheel, 350 mm Ø, black anodised, sturdy model, thickness of rim 32 mm Ø, bowl shaped, complete with hub	165,-- FM 3 S 1
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ALPINA steering wheel, 380 mm Ø, leather- rimmed, with 4 spokes, bowl shaped, padded hub, black anodised, thickness of rim 30 mm Ø, complete with hub	220,-- FM 3 S 1
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Prices without V.A.T.

ALPINA

PREISLISTE

Body Parts

Fibre glass mudguard extensions for BMW 02:

Front and rear extensions

old model for wheel width up to 8"

complete set 450,-- DM 3 S 1

new model for wheel width up to 9"

(front) resp. 11" (rear)

complete set 690,-- DM 3 S 1

Matching front spoiler (air-damm) for racing

290,-- B S 2

New mudguard extensions, attractive design
for 6 1/2" ALPINA wheels

490,-- B S 2

Mudguard extensions made from extremely light
fibre glass for BMW 3.0 CSL for competition
purposes, with air ducts for tires and oil
cooler (these mudguards are especially suited
for wheel width up to 12" front resp. 14" rear)

1150,-- B S 2

Matching front spoiler (air-damm)

490,-- B S 2

Fibre glass front spoiler (air-damm)

for BMW 1502 - 2002 Tii, for street use

(increases the top speed by approx. 4 km/h)

non-painted version

190,-- DM 3 S 1

two-coloured version

240,-- DM 3 S 1

two-coloured version (luminous paint)

276,-- DM 3 S 1

Fibre glass front spoiler (air-damm)

for all other BMW models (increased the

top speed by approx. 4 km/h)

non-painted version

230,-- DM 3 S 1

two-coloured version

280,-- DM 3 S 1

two-coloured version (luminous paint)

316,-- DM 3 S 1

Lamps

CIBIE iodine/quartz long-range lamp type 180
(Oscar), effective diameter 165 mm

66,-- FM 6 S 1

CIBIE iodine/quartz fog lamp type 180

68,60 FM 6 S 1

CIBIE iodine/quartz long-range lamp type 200
(Super-Oscar)

75,20 FM 6 S 1

CIBIE iodine/quartz fog lamp type 200 (Super-Oscar)

77,80 FM 6 S 1

HELLA iodine/quartz long-range lamp
(effective diameter 190 mm)

64,10 EM 6 S 1

HELLA iodine/quartz fog lamp

66,90 EM 6 S 1

HELLA iodine/quartz long-range lamp
(effective diameter 170 mm)

44,40 EM 6 S 1

HELLA iodine/quartz fog lamp

46,70 EM 6 S 1

FLEXILIGHT reading lamp

48,50 EM 5

Cable-set for auxiliary lamps

28,20 B

Prices without V.A.T.

ALPINA

PREISLISTE

Performance-increased 4-cylinder Engines

The price for an ALPINA engine is to be understood for the conversion of a new BMW engine. If the engine has already been used for more than 1000 km, the price increases by DM 200,--, if it has been in operation for more than 10000 km by DM 500,--. In case the cylinder head, crankcase or crankshaft have been damaged to such an extent that they are no longer usable, these parts will be charged separately. The same applies to parts which are missing on arrival of the engine.

BMW ALPINA engine, type A 2, 2 ltr., 150 DIN H.P., 2 double carburettors, special cylinder head with sports cam- shaft, air cleaner, special breeches pipe, engine completely reassembled, top speed approx. 200 km/h (125 m.p.h.)	3200,-- B
Extra charge for forged pistons and lightened, polished connecting rods	1500,-- B
Special silencer for type A 2	185,-- D S 1
BMW ALPINA engine, type A 3, 2 ltr., 165 DIN H.P., with forged pistons, 2 double carburettors, special cylinder head with larger inlet- and exhaust valves and sports camshaft, retouched crank gear, special exhaust system, engine completely reassembled top speed approx. 205 km/h (128 m.p.h.)	4700,-- B
Extra charge for rallye exhaust system and rallye air cleaner for type A 3	350,-- B S 2

Prices without V.A.T.

ALPINA

PREISLISTE

BMW ALPINA engine, type A 4, 2 ltr., 160 DIN H.P., with KUGELFISCHER/ALPINA fuel injection system, special cylinder head with polished valves and sports camshaft, special exhaust system and air cleaner, top speed approx. 200 km/h (125 m.p.h.)	3600,-- B
The same engine for BMW 520 (without special exhaust system), 155 DIN H.P.	3400,-- B
Extra charge for forged pistons and lightened polished connecting rods	1500,-- B
BMW ALPINA engine, type A 5, 2 ltr., more than 170 DIN H.P., KUGELFISCHER/ ALPINA fuel injection system, special cylinder head with polished valves and sports camshaft, forged pistons, lightened and polished connecting rods, special exhaust system, air cleaner, engine completely reassembled, top speed approx. 210 km/h (130 m.p.h.)	5100,-- B
Extra charge for rallye exhaust system for type A 5	205,-- D S 2
BMW ALPINA engine, 1,6 ltr. resp. 1,8 ltr., 145 - 150 DIN H.P., with forged pistons, 2 double carburettors, special cylinder head with larger inlet- and exhaust valves and sports camshaft, retouched crank gear, special exhaust system and air cleaner, top speed approx. 195 km/h (120 m.p.h.)	4900,-- B
Run-in of the BMW ALPINA 4-cylinder engines on the test bench	650,--

Prices without V.A.T.

ALPINA

PREISLISTE

4 - cylinder Competition Engines

BMW ALPINA racing engine, group 2, 1,6 ltr.
approx. 175 DIN H.P. resp. 2 ltr. approx.
205 DIN H.P., with forged pistons, 2 WEBER
double carburettors 45 DCOE, special cylinder
head with racing camshaft and larger inlet-
and exhaust valves, retouched crank gear,
5 ltr. oil sump with altered oil pump, racing
exhaust, racing clutch with lightened fly-wheel 7300,-- A

The same engine with rallye exhaust system
and air cleaner, 1,6 ltr. approx. 165 DIN H.P.
resp. 2 ltr. approx. 195 DIN H.P. 7300,-- A

BMW ALPINA racing engine, group 2, 1,6 ltr.
approx. 190 DIN H.P. resp. 2 ltr. approx.
220 DIN H.P., with forged pistons, KUGEL-
FISCHER fuel injection, special cylinder
head with ALPINA camshaft and larger inlet-
and exhaust valves, retouched crank gear,
5 ltr. oil sump with altered oil pump,
racing exhaust, racing clutch with lightened
fly-wheel 10100,-- A

Extra charge for dry-sump lubrication 2500,-- A

BMW ALPINA competition engine, 2 ltr. tii,
group 1, 140 DIN H.P., completely reassembled
according to the permissible variations,
including homologated exhaust system 3200,-- A

BMW ALPINA 16-valve racing engine, 2 ltr.,
approx. 275 DIN H.P. at 9000 rpm., KUGEL-
FISCHER fuel injection, dry-sump lubrication,
light-alloy racing clutch MF 228 KL 24900,-- A

Extra charge for dual-disk clutch 500,-- A

Racing exhaust for above engine 790,-- A

Run-in of 4-cylinder competition engines
on the test bench 750,-- A

Prices without V.A.T.

ALPINA

PREISLISTE

Performance-increased 6-cylinder Engines

The price for an ALPINA engine is to be understood for the conversion of a new BMW engine. If the engine has already been used for more than 1000 km, the price increases by DM 300,-- if it has been in operation for more than 10000 km by DM 750,--. In case the cylinder head, crankcase or crankshaft have been damaged to such an extent that they are no longer usable, these parts will be charged separately. The same applies to parts which are missing on arrival of the engine.

BMW ALPINA engine, type B 2, 3 ltr.
approx. 230 DIN h.P. with 3 double
carburettors, special cylinder head
with sports camshaft, special exhaust
system and air cleaner
top speed approx. 225 km/h (138 m.p.h.) 5900,-- 8

In exchange for a 2,8 ltr. engine 6200,-- 8

In exchange for a 2,5 ltr. engine 6600,-- 8

Extra charge for forged pistons and
lightened, polished connecting rods 2400,-- 8

BMW ALPINA engine, type B 3, 3 ltr.
approx. 250 DIN H.P., with forged
pistons, 3 double carburettors, special
cylinder head with larger valves and
sports camshaft, retouched crank gear,
special exhaust system and air cleaner
top speed approx. 230 to 235 km/h
(141 to 144 m.p.h.) 8300,-- 8

BMW ALPINA engine, type B 4, 3 ltr.
approx. 230 DIN H.P., with modified
fuel injection system, special cylinder
head with sports camshaft, special
exhaust system
top speed approx. 225 km/h (138 m.p.h.) 5900,-- 8

Extra charge for forged pistons and
lightened, polished connecting rods 2400,-- 8

Prices without V.A.T.

ALPINA

PREISLISTE

BMW ALPINA engine, type B 5 (for 525) 2,8 ltr., 170 DIN H.P. top speed approx. 205 km/h (128 m.p.h.)	3000,-- B
Extra charge for forged pistons and lightened, polished connecting rods	1800,-- B
Run-in of 6-cylinder engines on the test bench	850,--

6 - cylinder Competition Engines

BMW ALPINA racing engine, 3 ltr., approx. 280 DIN H.P. (depending on exhaust system being used), with forged pistons, 3 WEBER double carburettors 45 DCOE, special cylinder head with racing camshaft, retouched crank gear and lubrication system, racing clutch with light alloy pressure plate (228 mm Ø) and lightened fly wheel	10800,-- A
Extra charge for dry sump lubrication	2500,-- A
BMW ALPINA racing engine, 3 ltr., approx. 330 DIN H.P., with forged pistons, KUGEL- FISCHER fuel injection, special cylinder head with larger valves and racing camshaft, retouched crank gear with lightened crank- shaft and connecting rods, dual-disk racing clutch with light alloy pressure plate and lightened fly wheel, special vibration damper as well as dry sump lubrication	19000,-- A
Extra charge for 3,3 ltr. engine approx. 350 DIN H.P.	9000,-- A
Extra charge for 3,5 ltr. engine approx. 360 DIN H.P.	10000,-- A
4-branch high performance exhaust manifold	1250,-- A
Run-in of 6-cylinder competition engines on the test bench	950,--

Prices without V.A.T.

ALPINA

PREISLISTE

Engine Parts

a) 4-cylinder

Sports camshaft 300 ⁰ with big bearings	268,-- D S 1
Sports camshaft 300 ⁰ with small bearings	365,-- D S 1
Racing camshaft 324 ⁰	268,-- D S 1
ALPINA racing camshaft 320 ⁰ (only for use with high-capacity valve springs)	480,-- D S 2
Special radiator with "Safety Eye" water level indicator	210,-- D S 1
Modified water pump	90,-- D S 1
Electric fan complete with accessories	320,-- A
Cross-flow radiator with expansion container for competition purposes	640,-- D S 2
ALPINA oil cooler kit with mounting parts including thermostat	370,-- D S 1
without thermostat	285,-- D S 1
ALPINA oil cooler kit for competition engines with large oil cooler including mounting parts	390,-- D S 2
5 ltr. oil sump with altered oil pump	390,-- D S 2
Intake manifold for ALPINA fuel injection system	280,-- B
Inlet branch with 2 funnels for ALPINA fuel injection system	265,-- B
Rallye air cleaner (for carburettor engines)	160,-- B S 2
Inlet manifolds for double carburettors, polished, (WEBER 45 DCOE resp. SOLEX 40/45 DDH)	ea. 90,-- D S 1

b) 6-cylinder

Sports camshaft 300 ⁰	490,-- D S 1
Racing camshaft 324 ⁰	490,-- D S 1
ALPINA racing camshaft 320 ⁰ (only for use with high-capacity valve springs)	740,-- D S 2
Special vibration dampener	170,-- A
ALPINA oil cooler kit with mounting parts and thermostat	390,-- D S 1
ALPINA intake manifold for double carburettors	ea. 85,-- D S 1
ALPINA intake manifold for double carburettors polished,	ea. 130,-- D S 1

Prices without V.A.T.

ALPINA

PREISLISTE

Engine Parts (4- and 6-cylinder)

High-performance forged pistons (for all BMW engines)	ea.	185,-- D S 1
Connecting rods, balanced and partly polished, 135 mm in length	ea.	175,-- D S 2
High-grade steel connecting rods, balanced and polished, 135 mm in length	ea.	190,-- A
Racing connecting rod, extremely light, made from high grade material:		
146 mm resp. 148 mm in length, 24 mm wide	ea.	650,-- A
146 mm resp. 148 mm in length, 28 mm wide	ea.	690,-- A
Titanium connecting rod bolts	ea.	32,-- B S 2
Inlet valve, polished, 47 mm Ø	ea.	30,-- D S 1
Inlet valve, polished, 46 mm Ø	ea.	27,-- D S 1
Outlet valve, polished, 39 mm Ø	ea.	45,-- D S 1
High-capacity valve springs	ea.	20,-- D S 2
Special valve springs	ea.	4,80 D S 1
Special rocker arms (for competition engines)	ea.	28,-- B S 2
Racing clutch with light-alloy pressure plate, 215 mm Ø, fly-wheel, clutch disk and thrust bearing		580,-- B S 2
Racing clutch with light-alloy pressure plate, 228 mm Ø, fly-wheel, clutch disk and thrust bearing		650,-- B S 2
Extra charge for special clutch disk for rallies and street use (215/228 Ø)		40,-- B S 2
Dual-disk racing clutch with clutch disks, light-alloy pressure plate, lightened fly-wheel and release bearing		1224,-- B S 2
ALPINA high-pressure oil cooler		450,-- D S 1
Electric fuel pump (for carburettor engines)		145,-- D S 2
Electric fuel pump (for injection engines)		165,-- B S 2
ALPINA dry-sump pump		1090,-- B S 2

Specific racing parts on request!

Prices without V.A.T.

ALPINA

PREISLISTE

W H E E L S

ALPINA wheels are available for all BMW cars. Due to their wider rims and further off-set they give an improvement in road-holding and cornering ability. ALPINA wheels are manufactured from steel and light-alloy. The light-alloy wheels improve road adherence considerably due to their reduced weight.

A L P I N A - W H E E L S

Silver, perforated steel wheel 5 1/2 x 13" increase of track approx. 14 mm	58,-- EM 12 S 1
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Complete set (4 ea.) with chrome centre caps and chrome wheel nuts	265,-- EM 3 S 1
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ALPINA light-alloy wheel 5 1/2 x 13" (for BMW 02 and Touring), painted silver, increase of track approx. 14 mm	195,-- EM 12 S 1
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Complete set (4 ea.) with chrome centre caps and chrome wheel nuts	820,-- EM 3 S 1
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ALPINA light-alloy wheel 6 1/2 x 13", painted silver, increase of track approx. 46 mm	230,-- EM 12 S 1
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Complete set (4 ea.) with chrome centre caps and chrome wheel nuts	960,-- EM 3 S 1
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ALPINA light-alloy wheel 7 x 14" (for BMW 6-cylinder models, 520/525/528) increase of track approx. 22 mm	250,-- EM 12 S 1
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Complete set (4 ea.) with chrome centre caps and chrome wheel nuts	1060,-- EM 3 S 1
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A c c e s s o r i e s f o r A L P I N A W h e e l s

Chrome centre cap with ALPINA emblem	7,65 FM 10 S 1
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Chrome-plated wheel nut	3,06 FM 10 S 1
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Special spanner for wheel nuts with interchangeable socket	49,50
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Prices without V.A.T.

ALPINA

ALPINA - 3-piece Competition Wheels

PREISLISTE

Diameter	13" Ø	14" Ø	15" Ø	16" Ø
Centre part aluminium	140,--	150,--	-	-
Centre part magnesium	175,--	185,--	210,--	210,--
Rim 80 mm wide	90,--	100,--	-	-
" 90 mm "	90,--	100,--	100,--	130,--
" 100 mm "	100,--	110,--	110,--	140,--
" 110 mm "	100,--	110,--	-	-
" 120 mm "	110,--	-	110,--	140,--
" 130 mm "	110,--	-	-	-
" 140 mm "	110,--	-	-	-
" 150 mm "	-	-	120,--	150,--
" 5 1/2" wide	-	-	126,--	155,--
" 6" wide	-	-	133,--	160,--
" 6 1/2" wide	-	-	140,--	172,--
" 7" wide	-	-	151,--	183,--
" 7 1/2" wide	-	-	166,--	198,--
" 8" wide	-	-	180,--	214,--
Sealing ring	12,--	12,--	47,--	47,--
Valve (steel, nickel-plated)	3,50	3,50	3,50	3,50
Valve (aluminium)	4,50	4,50	4,50	4,50
Set of nuts, bolts and washers M 7 resp. M 6	16,--	16,--	17,--	17,--
Chrome-plated wheel nut	5,95	5,95	5,95	5,95
Chrome centre cap	7,65	7,65	7,65	7,65

All prices are per item resp. set - DM 12 S 2

Prices without V.A.T.

PREISLISTE

S a f e t y E q u i p m e n t

Interior roll-over bar for BMW 1602/1802/ 2002/2002 TI/2002 TII, sturdy construction, padded, for rallye cars, with ONS-certificate	280,--	EM 3 S 1
Roll-over bar for racing cars (BMW 1602/ 1802/2002/2002 TI/2002 TII) according to FIA regulations (access to rear seats impaired) with ONS-certificate	450,--	B S 2
Lap and diagonal seat belt with mounting parts, for front seats	42,--	DM 3 S 1
Automatic lap and diagonal seat belt for front seats	86,05	DM 3 S 1
Competition harness (Kangol) with fast release, suitable for competition purposes as well as for every-day-driving	110,--	DM 3 S 1
BRITAX competition harness with fast release, especially suited for competition cars	119,--	DM 3 S 1
TRICO windscreen wiper blades for BMW 1602/ 1802/2002/2002 TI/2002 TII/Touring/2500/ 2800/3.0 S/3.0 SI	set of two 26,--	DM 3 S 1
TRICO windscreen wiper blades for BMW 3.0 CS/ CSI/CSL	set of two 19,80	DM 3 S 1
TRICO windscreen wiper blades for BMW 520/525	set of two 32,--	DM 3 S 1
Refills for windscreen wiper blades	set of two 13,60	DM 3 S 1
Foot rest for driver, made of light alloy, covered with black nep rubber	50,--	DM 3 S 1
Left and right knee support made of aluminium resp. steel tube padded with foam rubber and covered with leatherette	100,--	DM 3 S 1
Adjustable acceleration pedal made from light metal, especially suited for competition cars	49,--	DM 3 S 1
Sump shield made from spring steel for BMW 1602/ 1802/2002/2002 TI/2002 TII/Touring, protects sump and gearbox	320,--	DM 3 S 1
Electric main switch	15,--	D S 1

Prices without V.A.T

ALPINA

PREISLISTE

S e a t s

ALPINA has developed seats that meet all requirements in regard to quality and looks. All seats have black cloth upholstery and are readily recognizable by the two broad dark-blue and two narrow light-green stripes.

The ALPINA sports seat has a reclinable back that can also be moved forward - important for two-door cars -. Especially comfortable upholstery. The lateral support is excellent, too.

The seat sells at

518,-- DM 4 S 1

The advantage of the ALPINA bucket seat is its especially good lateral bracing. The back is - rather unusual for a bucket seat - reclinable by 15°. It has fixtures for a headrest. By using a special mounting frame it is possible to recline the whole seat forward. The control of the vehicle is improved considerably with this seat. Furthermore it is especially good-looking.

475,-- DM 4 S 1

Headrests for ALPINA sports- and bucket seat

39,50 DM 4 S 1

The ALPINA racing seat is intended for competition use only because of its extreme lateral support and its thin upholstery. It is covered with orange coloured, non-inflamable Nomex-cloth. The seat has an integrated headrest and appropriate openings for competition harnesses.

750,-- B S 2

Mounting frames for installation into all vehicles

50,-- to 70,-- D S

On request we can also provide sports- and bucket seats of other makes.

F u e l T a n k s

90 ltr. (21 gal.) fuel tank with snap lid and accessories for BMW 1602/1802/2002/2002 TI/2002 TII

360,-- D S 1

Cover for 90 ltr. fuel tank

45,-- D S 1

Competition fuel tank system (aluminium) for rallye purposes for BMW 2002, installation between the wheel housing, complete with fuel-transmitter and mounting parts

790,-- B S 2

Other competition fuel tank system on request.

Prices without V.A.T.

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