

325i 4-wheel drive

*Beleg 2/85
Prospekt Allrad
englisch
Auflage: 6.000 Expl.*

BMW AG



BMW 325i 4-wheel drive
Optional extras: metallic paintwork, steel sliding/vent roof, rear-view mirror on front passenger's door, radio, anti-theft warning system, headlight wash/wipe, leather upholstery





BMW 325i 4-wheel drive
Optional extras: metallic paintwork, steel sliding/vent roof, rear-view mirror on front passenger's door, headlight wash/wipe, sunblind, rear quarter-window, leather upholstery



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To turn a good idea into a convincing solution, BMW has perfected the concept of 4-wheel drive.

Four-wheel drive is ideal for particular motoring conditions and for meeting specific demands in handling and roadholding.

For example when driving in the winter and for motorists who often travel in mountainous regions.

And for the motorist who has to reach his destination regardless of weather and road conditions.

But who naturally expects optimum driving safety and motoring characteristics all the same.

Motorists with these expectations and, quite generally, connoisseurs who demand the highest standard of automotive technology now have the choice of a new kind of car with revolutionary merits:

the new BMW 325i 4-wheel drive.*

The BMW 325i 4-wheel drive represents the second-generation 4-wheel-drive concept:

Permanent 4-wheel drive with asymmetric front/rear power distribution, automatic viscous locks to prevent the wheels from spinning and the electronic ABS anti-lock braking system fitted as standard with all operating functions in all situations.

The result of these unique features is a supreme standard of driving safety superior to that of many other 4-wheel-drive cars.

The BMW 325i 4-wheel drive with the new 2.5-ltr 6-cylinder power unit: Featuring an engine and drive system that paves the way into the future of automotive engineering.

The BMW 325i 4-wheel drive also excels through its unique engine qualities: With supreme motoring refinement provided by the new 2.5-ltr straight six, superior power and performance (126 kW/171 bhp), outstanding torque and turbine-like running smoothness.

The special appeal of the new 325i 4-wheel drive therefore also results from this unique engine.

BMW 325i 4-wheel drive:

The exclusive thrill of combining dynamism and motoring refinement with the qualities only 4-wheel drive is able to offer.

The BMW 325i 4-wheel drive stands out as a truly unique car among all the other 4-wheel-drive vehicles in the market.

Because it combines an unusual range of merits for a car of this class: Exceptional driving safety provided by a superior 4-wheel-drive concept with fully integrated ABS.

Outstanding power and motoring refinement thanks to the supreme engine.

And, as a result, a completely new standard of dynamic motoring unparalleled by other cars of this type. These features make the new BMW 325i 4-wheel drive the ideal car for discerning purchasers who demand a lot more than conventional 4-wheel-drive systems are able to offer.

Some of the special equipment and metallic paintwork colours shown in this brochure are only available as optional extras and at extra charge.

*in preparation

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Let's consider what Rauno Aaltonen, one of the world's very best rally drivers, has to say about the new BMW 325i 4-wheel drive: "Compared with all the 2 and 4-wheel-drive concepts available so far, the BMW 325i 4-wheel drive gives you unprecedented handling and roadholding when driving to the limit."

The drive technology of the BMW 325i 4-wheel drive.

With an asymmetric distribution of engine power on the front and rear axle. A system that sets new standards far beyond the conventional concept of 4-wheel drive.

To ensure optimum handling and roadholding even under the most difficult conditions, the BMW 325i 4-wheel drive does not simply distribute the engine power equally among all four wheels (4).

But rather features an intelligent power distribution system: Engine power is not transmitted directly to the rear axle, but first goes to a central distributor transmission with a planetary differential forming part of the compact transmission unit.

From here 63% of the torque goes to the rear axle, 37% to the front wheels (3). The 325i 4-wheel drive thus combines the usual advantages of BMW handling and roadholding with even better traction on all four wheels.

The technical details of the BMW 4-wheel-drive system:

The front wheels are driven via the central distributor transmission by a shaft running parallel to the power train and connected by chain drive with the front differential integrated in the oil sump.

To allow the use of equally long drive shafts despite this asymmetric arrangement, an intermediate shaft serves to drive the right front wheel. This shaft runs through the engine oil sump to the main drive shaft.

The BMW 325i 4-wheel drive also features a new rear-wheel propeller shaft modified to fit the intermediate transmission.

The result of this sophisticated design: Better handling and improved roadholding.

Compared with conventional 4-wheel-drive systems where each axle receives 50% of the engine power, the BMW system offers a substantial improvement in driving safety.

Just consider the motion of the car when going round a bend as an example (6): The smaller the drive power transmitted to an axle, the larger the lateral forces generated by the wheels may become.

A 4-wheel-drive car based on the BMW principle with less drive power on the front axle and, accordingly, greater lateral stability of the wheels is easier to control and responds more willingly and smoothly to the steering.

A further advantage of the BMW concept is that the steering remains largely unaffected by the power of the engine.

Superior traction even under difficult conditions.

Four-wheel drive offers substantial



advantages on gradients, particularly on wet or slippery surfaces.

The asymmetric front-to-rear distribution of engine power is particularly advantageous in such situations, as it helps to further improve the car's handling and roadholding: The modified distribution of engine power and torque with more power on the rear axle makes the car even more superior in climbing gradients and means even better handling on the road.

A BMW responds smoothly and reliably in all situations.

Thus offering an unparalleled standard of driving safety.

In computerized simulation tests and thorough practical trials, the BMW chassis is designed to provide a specific, dependable response also in extreme situations.

Through its specific handling and behaviour, a BMW therefore gives the driver all the information he needs to remain cool, calm and collected under all conditions.

Experts therefore commented as follows after a comparative test of various 4-wheel-drive vehicles:

"The 325i 4-wheel drive offers the best behaviour in bends on all kinds of roads.

It gives the driver supreme handling with definite but easy-to-control oversteer in bends."

Summing up: "The new champion is definitely the BMW when it comes to handling and roadholding."

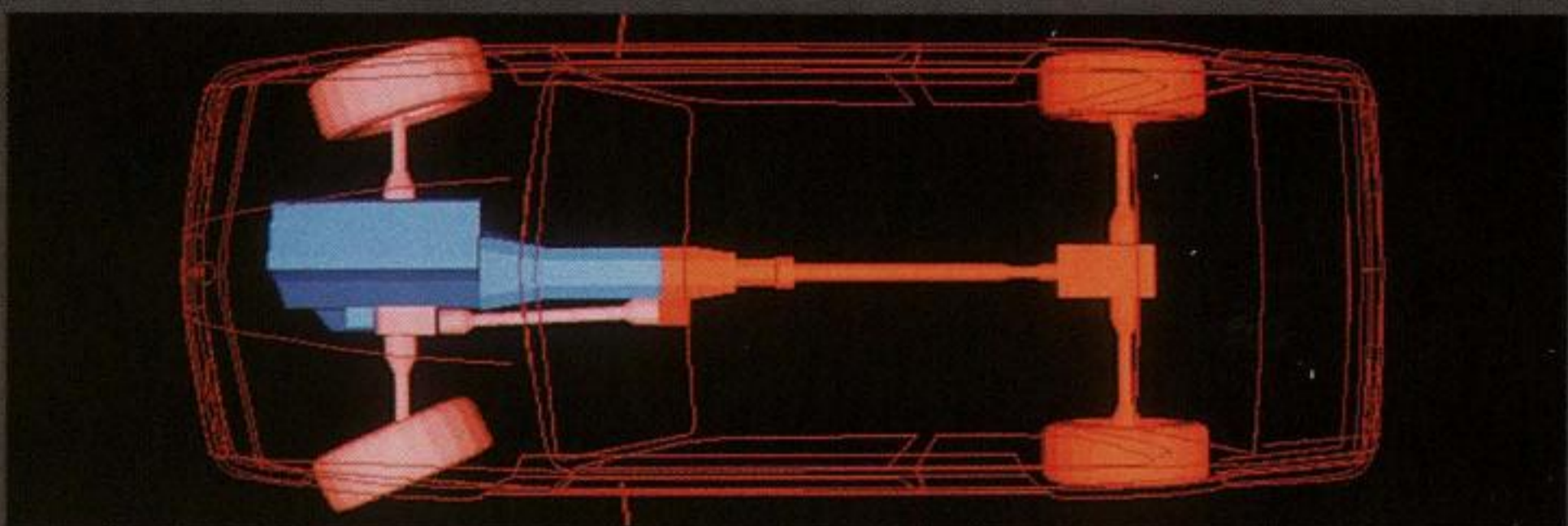
(Auto-Zeitung 17/85).

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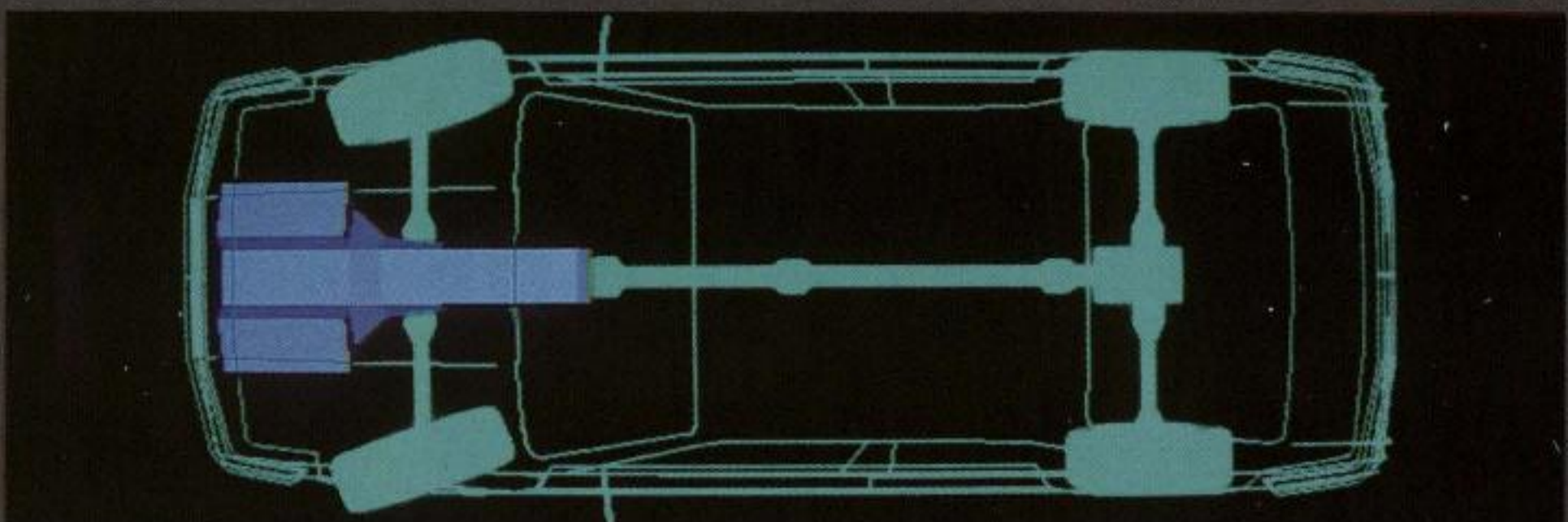
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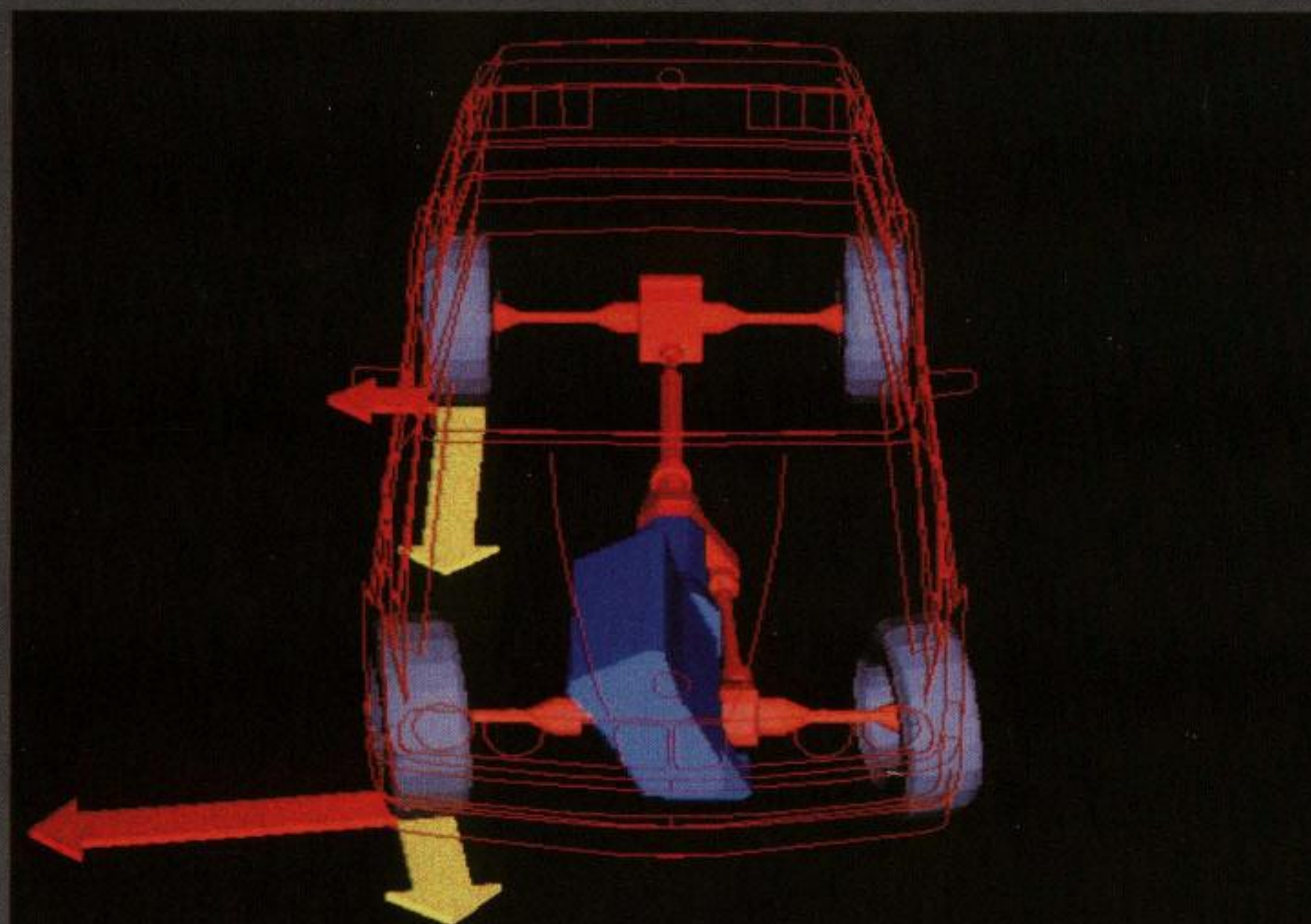
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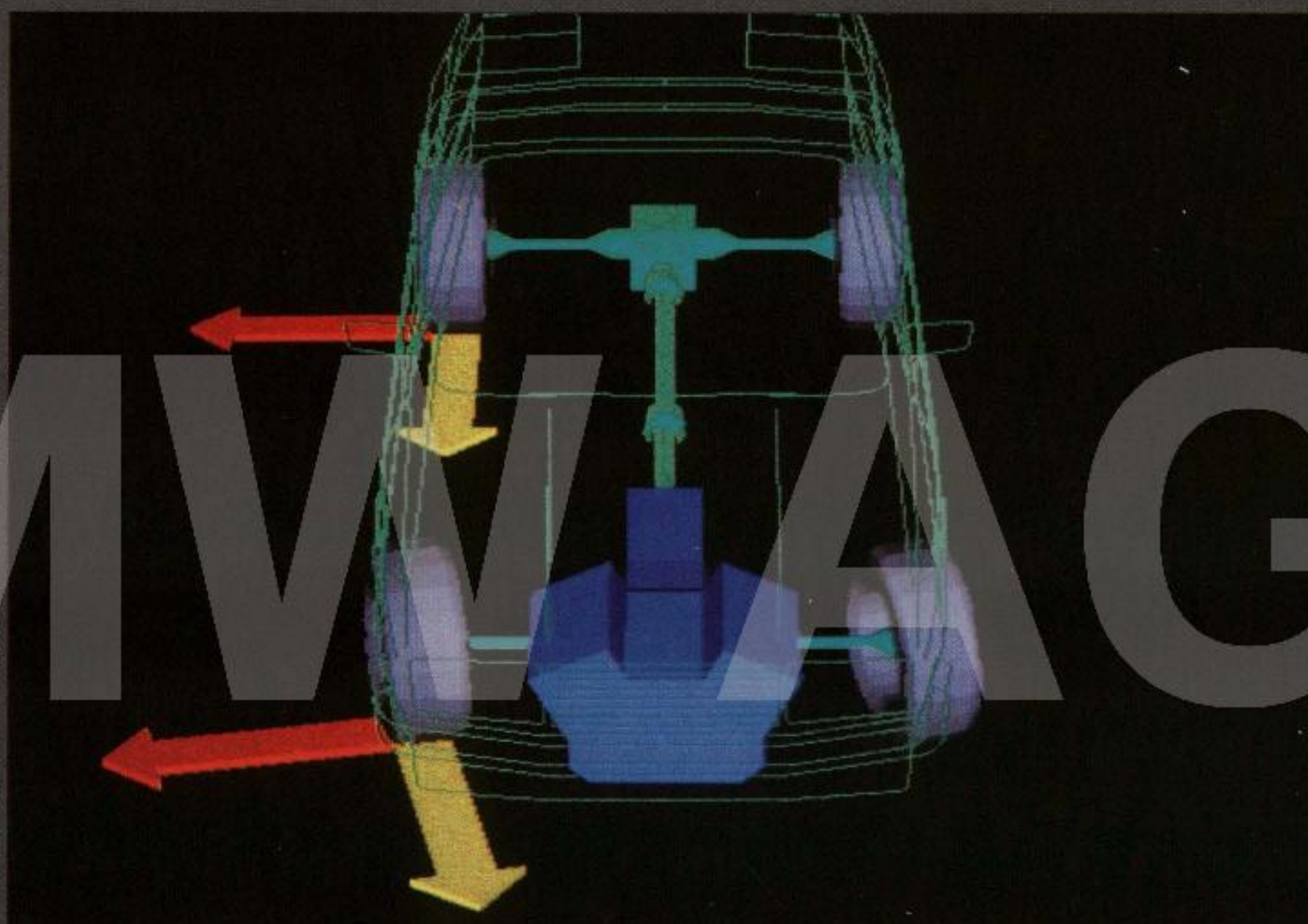
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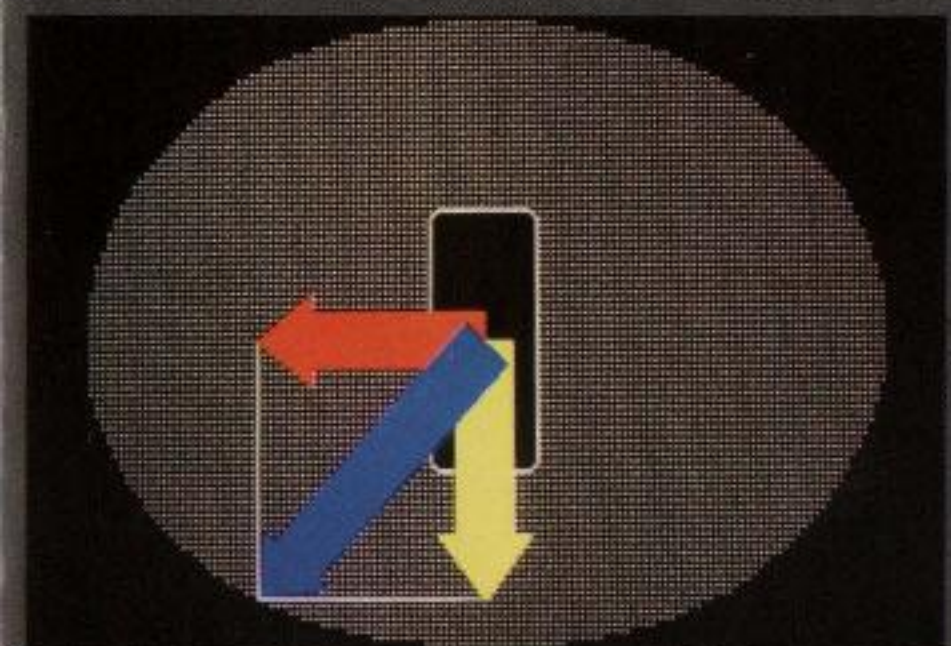
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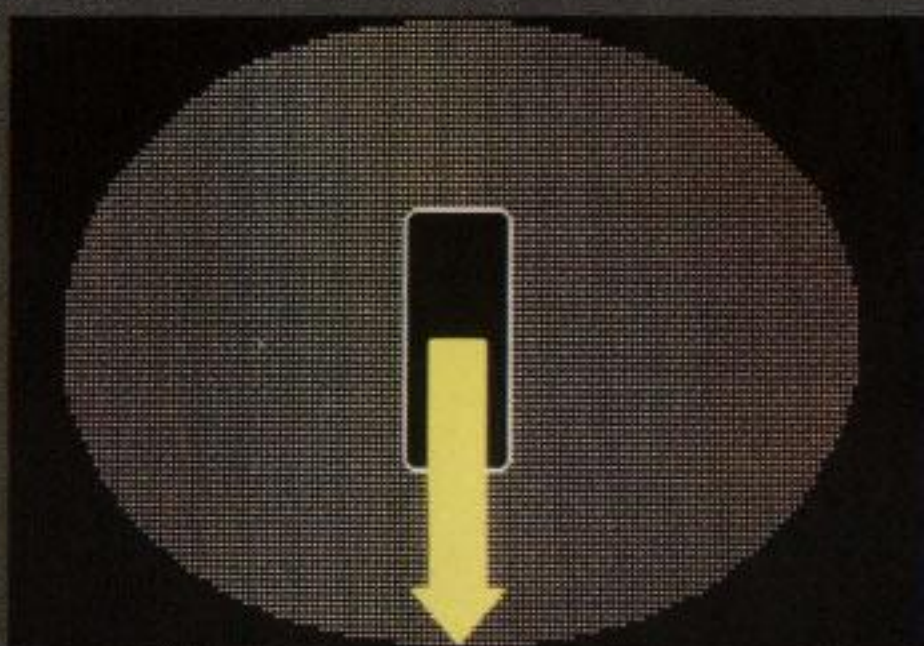


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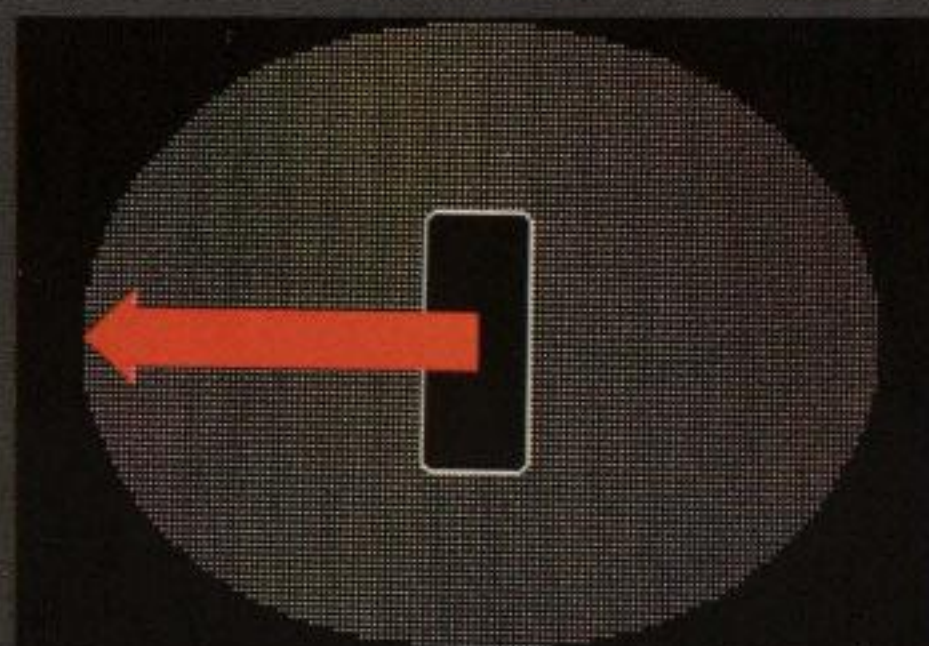
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A wheel can transmit both drive power and lateral forces. As long as it is required to transmit only one of these forces, the entire wheel/road contact area is available for this purpose. Figs 8 and 9 show that in this case the wheel can convey either the maximum drive power (8, eg on the rear wheel of a rear-wheel-drive car moving in a straight line) or the maximum lateral forces (9, eg on the front wheel of a car with standard drive). If, however, a wheel is required to convey both forces at the same time (eg the front wheel of a front-wheel-drive car turned either to the left or right) the maximum forces the wheel is able to



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convey are limited by the power or friction ellipse. The individual forces – drive power on the one hand and lateral forces on the other – are correspondingly smaller (5). A conventional 4-wheel-drive car provides a 50:50 distribution of drive power on the front and rear axle (4). The two axles therefore provide almost the same lateral forces in a bend (7). Generally, however, about 70% of the vehicle's weight rests on the front axle and consequently requires the front wheels to generate greater lateral forces. If the front wheels are not able to provide the necessary lateral forces in an extreme situation the car will not follow the steering in a bend but will move to



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the outside along a centrifugal trajectory. With its asymmetric distribution of drive power (37% at the front, 63% at the rear), the BMW 4-wheel drive (3), on the other hand, gives the front axle a potential other 4-wheel-drive cars waste on the rear axle not required to build up the same lateral forces. The front wheels of the BMW 325i 4-wheel drive are therefore able to generate far greater lateral forces (6), thus providing far better handling and steering response even in extreme situations and, as a result, greatly improved driving safety. And this advantage is provided permanently, particularly when the driver is faced with a sudden, unforeseeable situation.

BMW 325i 4-wheel drive
Optional extras: metallic paintwork, rear-view
mirror on front passenger's door, headlight
wash/wipe

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We have developed a drive system that provides outstanding progress in automotive engineering.

Another substantial distinction between the BMW concept and conventional cars with permanent 4-wheel drive is provided by the viscous locks of the 4-wheel drive BMW 325i.

Viscous locks stop the wheels from spinning.
And thus improve the car's traction, roadholding and driving safety.

The viscous lock in the distributor transmission, for example, provides an optimum supply of torque and engine power to the front and rear axle depending on the difference in speed between the two axles. Which automatically keeps the wheels running at the right speed on road surfaces with a varying frictional coefficient.

The lock in the final drive, on the other hand, prevents the rear wheel with less grip from slipping and, accordingly, avoids a reduction in drive power on the other wheel.

This locking action between the two rear wheels improves the car's performance on slippery uphill gradients, for example on snow and ice.

While the drivers of other 4-wheel drive cars have to actuate manual locks to achieve the same effect in critical situations, the viscous locks on the BMW 325i 4-wheel drive operate automatically depending on driving conditions.

Which relieves the driver of a considerable burden whenever there is a need to act quickly and concentrate fully on the road ahead.

BMW 325i 4-wheel drive:

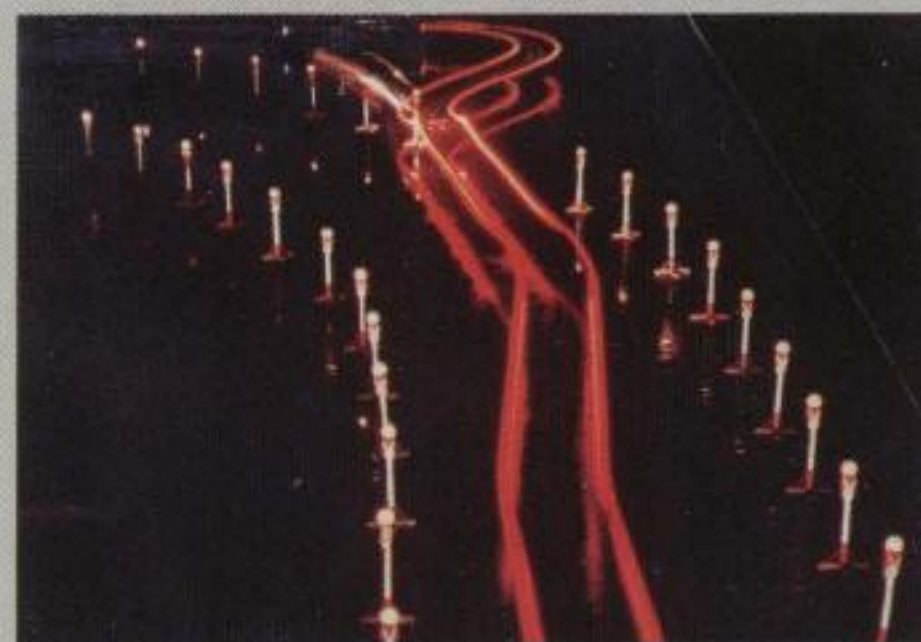
The ideal combination of 4-wheel drive and an all-round ABS anti-lock braking system operating perfectly under all conditions.

With its superior traction and roadholding, 4-wheel drive offers better acceleration and hill-climbing abilities than a conventional car on slippery surfaces, for example on snow and ice. And this also makes it essential to have optimum brakes.

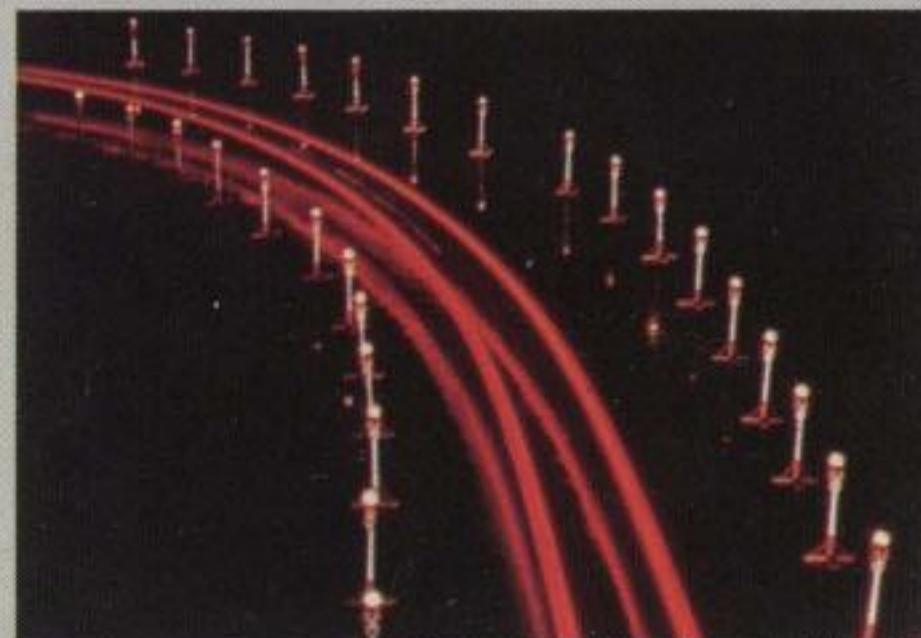
The BMW 325i 4-wheel drive therefore comes as standard with the electronic ABS anti-lock braking system.

ABS enables the driver, for example, to apply the brakes at full pressure in bends (photo 1: without ABS, photo 2: with ABS).

The steering responds smoothly and accurately even when applying the brakes, thus enabling the driver to avoid obstacles when braking in an emergency. With each wheel making optimum use of the frictional coefficient available, the stopping distance is also reduced to a minimum. While the special ABS of the BMW 325i 4-wheel drive remains fully functional under all driving conditions, conventional cars with permanent 4-wheel drive switch off their ABS as soon as the differential locks are actuated.



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Simply because the positive connection of both axles or rear wheels makes it impossible to determine differences in speed in order to apply the brakes individually on each wheel. Such cars therefore have to do without ABS particularly in situations where the brakes are especially important – for example on slippery roads.

Whereas the BMW 325i 4-wheel drive with its viscous locks fully retains all ABS functions at all times.

The electronic ABS control system has been specially modified to meet the needs of 4-wheel drive. It therefore features the following special units and characteristics:

Deceleration sensor:

The deceleration sensor determines vehicle deceleration in addition to wheel retardation.

Comparing the rates of deceleration measured, the electronic ABS control unit checks the frictional coefficient of the road surface and varies the power of the brakes accordingly.

Idle speed stabilization:

On icy roads with extremely low frictional coefficients the idle speed is automatically increased to reduce the braking effect of the engine and prevent the risk of the wheels locking. The car thus remains stable and responds smoothly to the steering with all the usual functions of the ABS anti-lock braking system.

Yaw reduction:

Careful control of brake power on the individual wheels and axles considerably reduces the yaw effect (rotation of the car around its own axis) sometimes experienced when running on different road surfaces.

The chassis and suspension of the 325i 4-wheel drive (3):
Providing the perfect basis for supreme roadholding.

The chassis of the BMW 3 Series with its single-joint spring strut front axle and semi-trailing arm rear axle benefits from the outstanding technologies of the large BMW. It provides ideal conditions for 4-wheel drive and has been optimised to meet the new requirements of the 325i. As an example, the 325i 4-wheel drive features a new front axle with support members made of cast aluminium instead of steel profiles. The kinematic geometry of the axle has been modified with a different castor angle, a modified steering roll radius and a wider track.

The viscous lock and how it works.

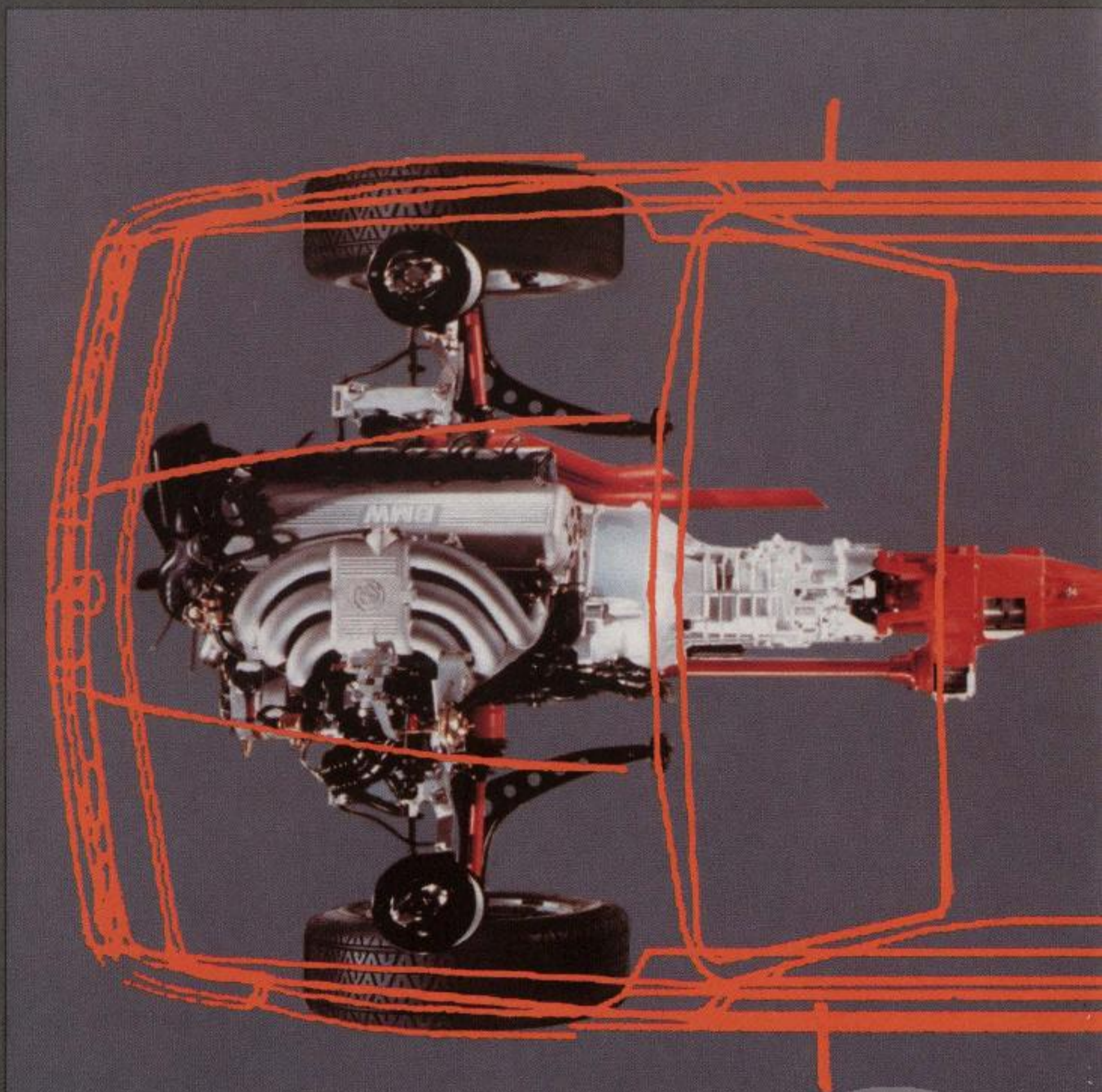
The viscous lock is a self-contained unit consisting of a housing with plates round the inside (8). A shaft to which plates are also attached runs through the middle of the housing. The individual plates are therefore located next to each other, the housing is filled with a special fluid and the hubs are carefully sealed to avoid leakage.

As soon as the housing and shaft start to rotate at a different speed the viscous fluid between the plates generates a positive driving force that increases as the difference in speed becomes greater.

This creates a positive connection exactly in line with the car's current running conditions.

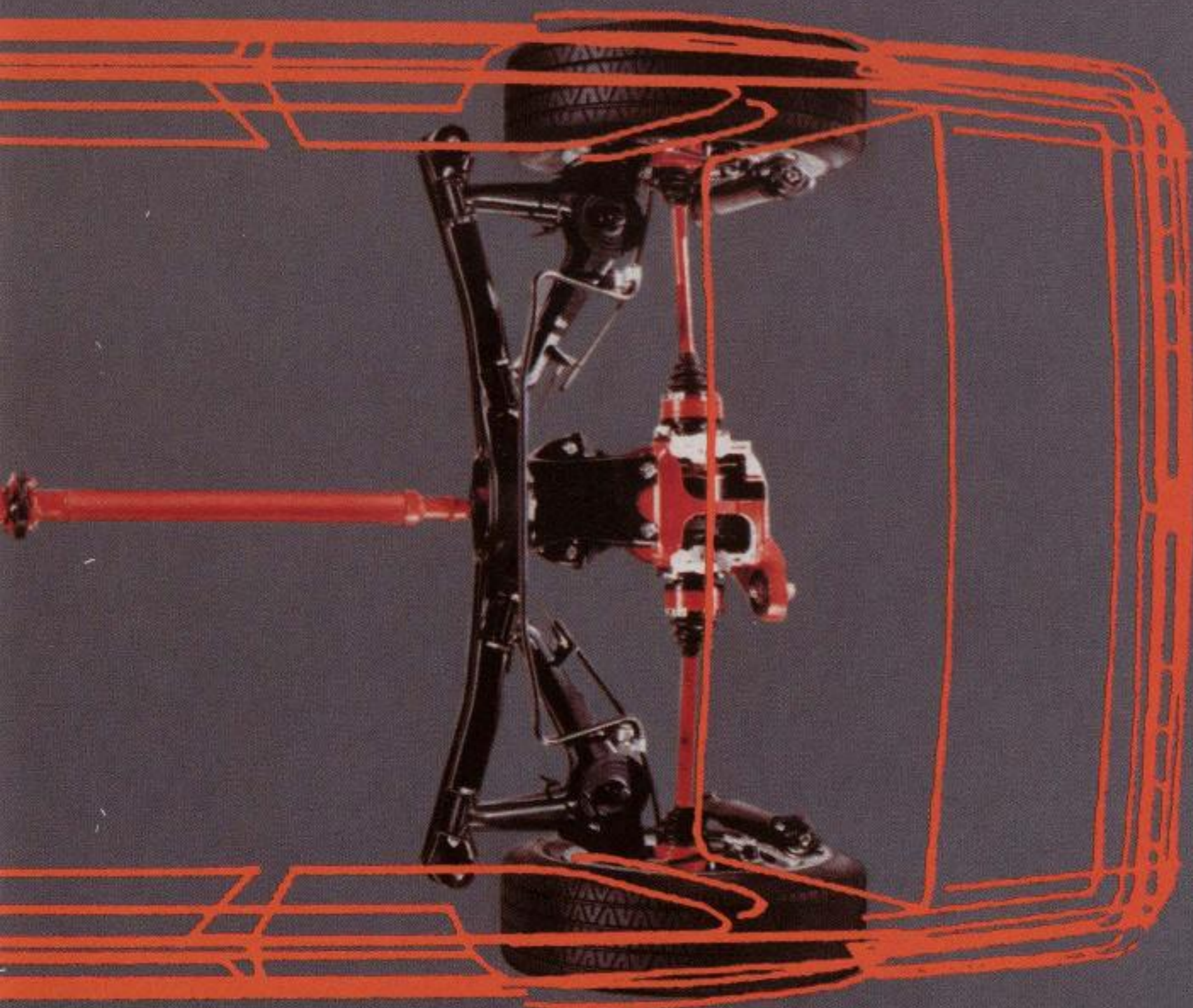
The viscous lock offers substantial advantages over conventional multiple-plate locks.

- The locking action of the viscous lock is always geared exactly to the car's current running conditions, depending on the frictional coefficient and the difference in the speed of rotation (with the locking action increasing to almost 100% if necessary).
- Wheel traction is improved substantially by the automatic locking action increasing as a function of speed (also on road surfaces with a rapid change of frictional coefficients).
- The locking action cuts in much more smoothly, thus providing a smooth flow of power and less strain on the transmission.
- The viscous lock is completely free of wear and therefore retains its full efficiency throughout a long running life without the slightest change in its operating features.
- The viscous lock operates without the slightest noise.

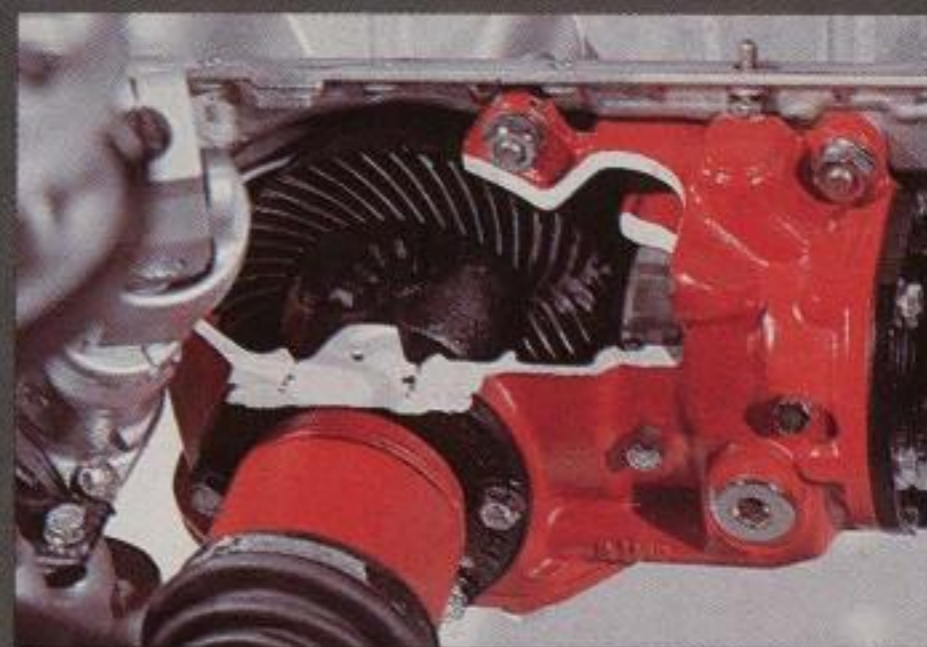


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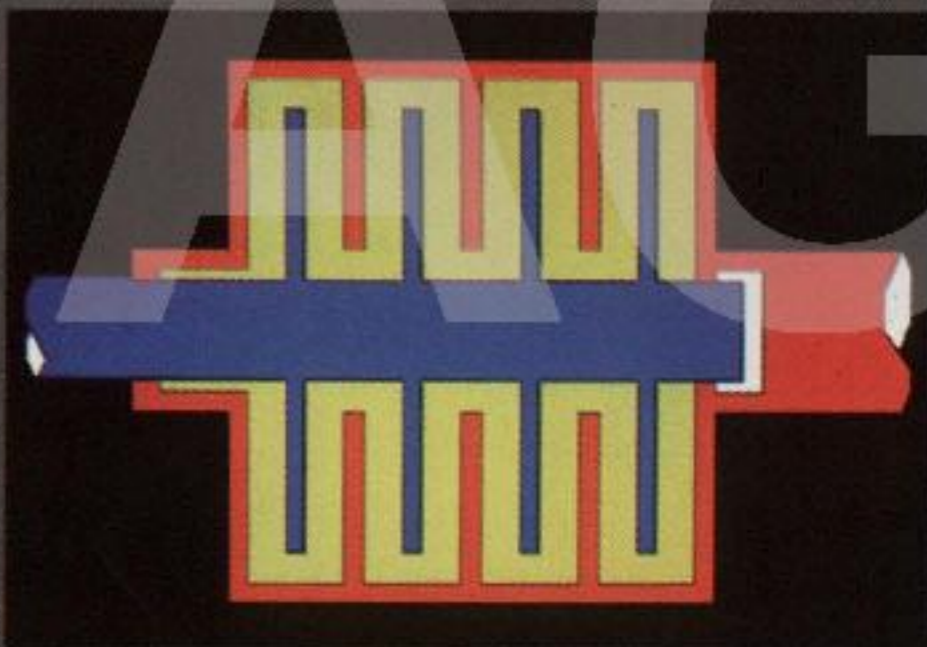
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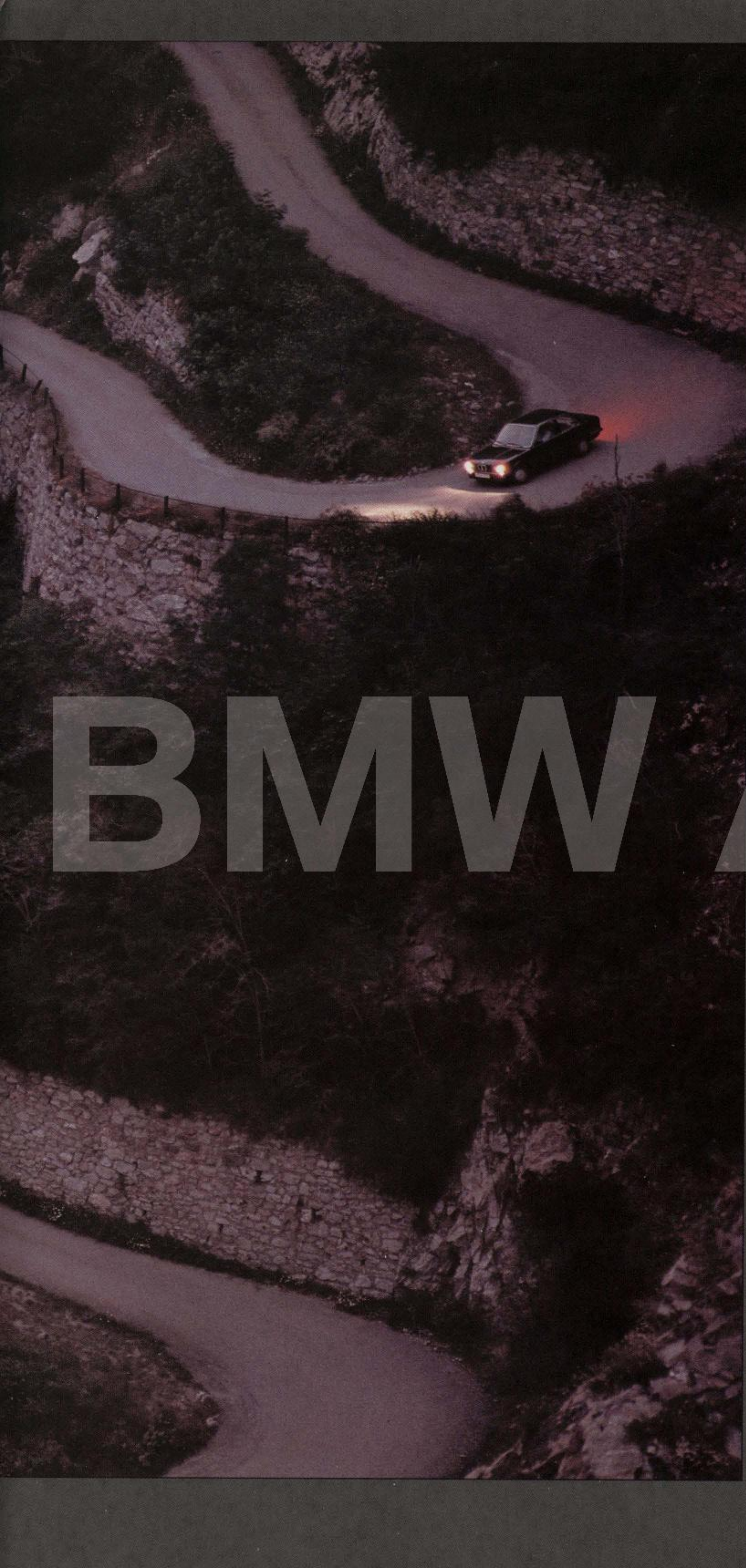
Photos 5 and 6 present cross-sectional views of the front and rear-axle differential of the 325i 4-wheel drive. Photo 7 presents the distributor transmission with chain drive of the front-wheel-drive auxiliary shaft.

BMW 325i 4-wheel drive
Optional extras: metallic paintwork, steel
sliding/vent roof, rear-view mirror on front pas-
senger's door, headlight wash/wipe, leather
upholstery



An aerial photograph of a winding asphalt road that curves through a lush, green forested valley. The road is flanked by dense trees and vegetation. In the center of the image, the text "BMW AG" is overlaid in a large, bold, light gray sans-serif font. The overall tone of the image is natural and serene, with a focus on the landscape and the company's branding.

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The 325i 4-wheel drive offers you a new standard of sheer driving pleasure in a world of ever-increasing restrictions and limits to personal freedom.

Nowadays we all have to show greater responsibility in our style of motoring. And this new awareness requires the most advanced and sophisticated technologies to fulfill the many requirements made of an up-to-date car. The BMW 325i 4-wheel drive proves through its outstanding concept that you can nevertheless still enjoy sheer driving pleasure despite the more rational attitude towards motoring in today's world.

Thus benefitting from an experience and unique thrill which, like the supreme performance of this BMW, results from the use of sophisticated technologies optimised to the highest standard.

Which means that the 325i 4-wheel drive provides not only a fascinating but also a very up-to-date standard of sheer driving pleasure.

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**The engine technology
of the new BMW 325i
4-wheel drive:
Setting a new standard
in high performance
and motoring dynamism.**

BMW is the most experienced manufacturer in the compact saloon market.

Because it was BMW that created this kind of car in the first place. Now the new 325i 4-wheel drive clearly demonstrates this lead in know-how. As is also shown by the qualities of the newly developed, larger engine.

Providing the basis for supreme performance and motoring refinement:
The new 2.5-ltr straight-six power unit (1).

The power unit of the 325i 4-wheel drive excels through its outstanding performance, powerful torque and superior muscle at all engine speeds. With an output of 126 kW (171 bhp) at 5800 rpm and a maximum torque of 226 Nm at 4000 rpm (6, 7).

Other outstanding merits are the supreme flexibility of the engine and unprecedented motoring refinement at all engine and road speeds. Which makes this power unit the No 1 choice for the discerning motorist. The engineering know-how that has gone into this new power unit is also shown by the very high output per litre: This 2.5-ltr engine ranks first in terms of output per litre among all normal-aspiration saloon engines with two valves/cylinder.

Whether you prefer a relaxed style of motoring or a dynamic style of sporty driving, the large straight-six power unit gives you exactly what you need.

The superior torque of the engine at all speeds provides optimum conditions for a dynamic but nevertheless refined, economical and fuel-efficient style of motoring.

The 325i 4-wheel drive comes as standard with a 5-speed manual gearbox.

Superior torque also means greater reliability and a longer running life.

A power unit which offers ample torque even at low engine speeds need not be revved up to higher speeds involving greater wear and tear. And lower engine speeds also mean less fuel consumption, exhaust emissions and noise.

BMW 325i 4-wheel drive:
Setting a new standard of environmental care.

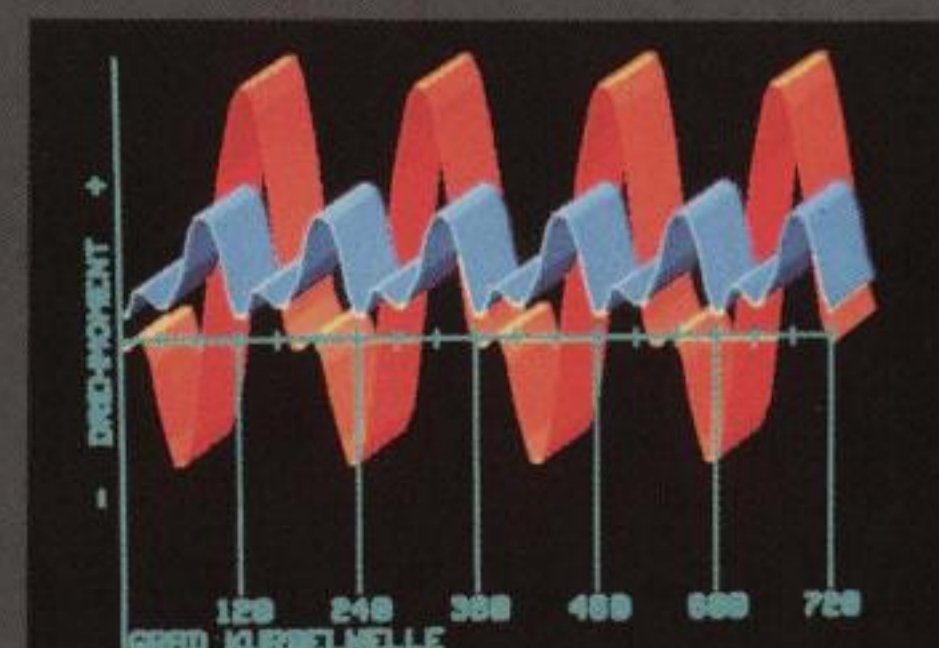
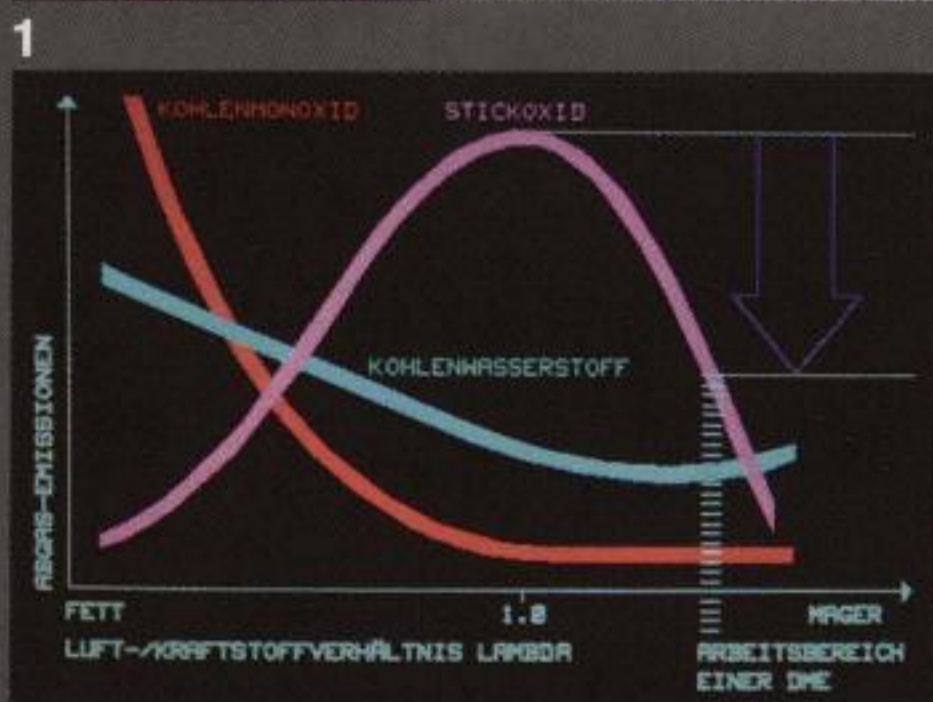
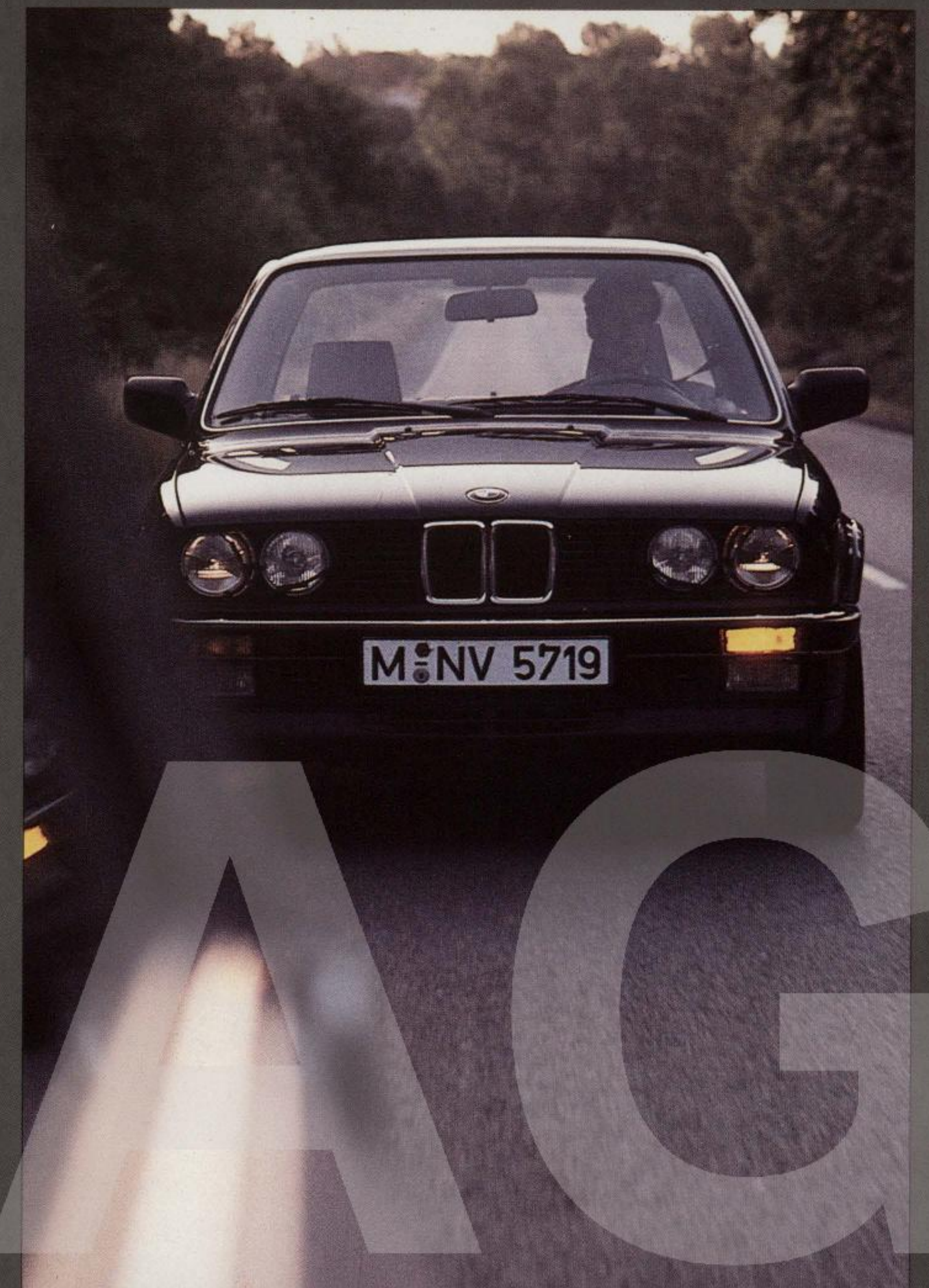
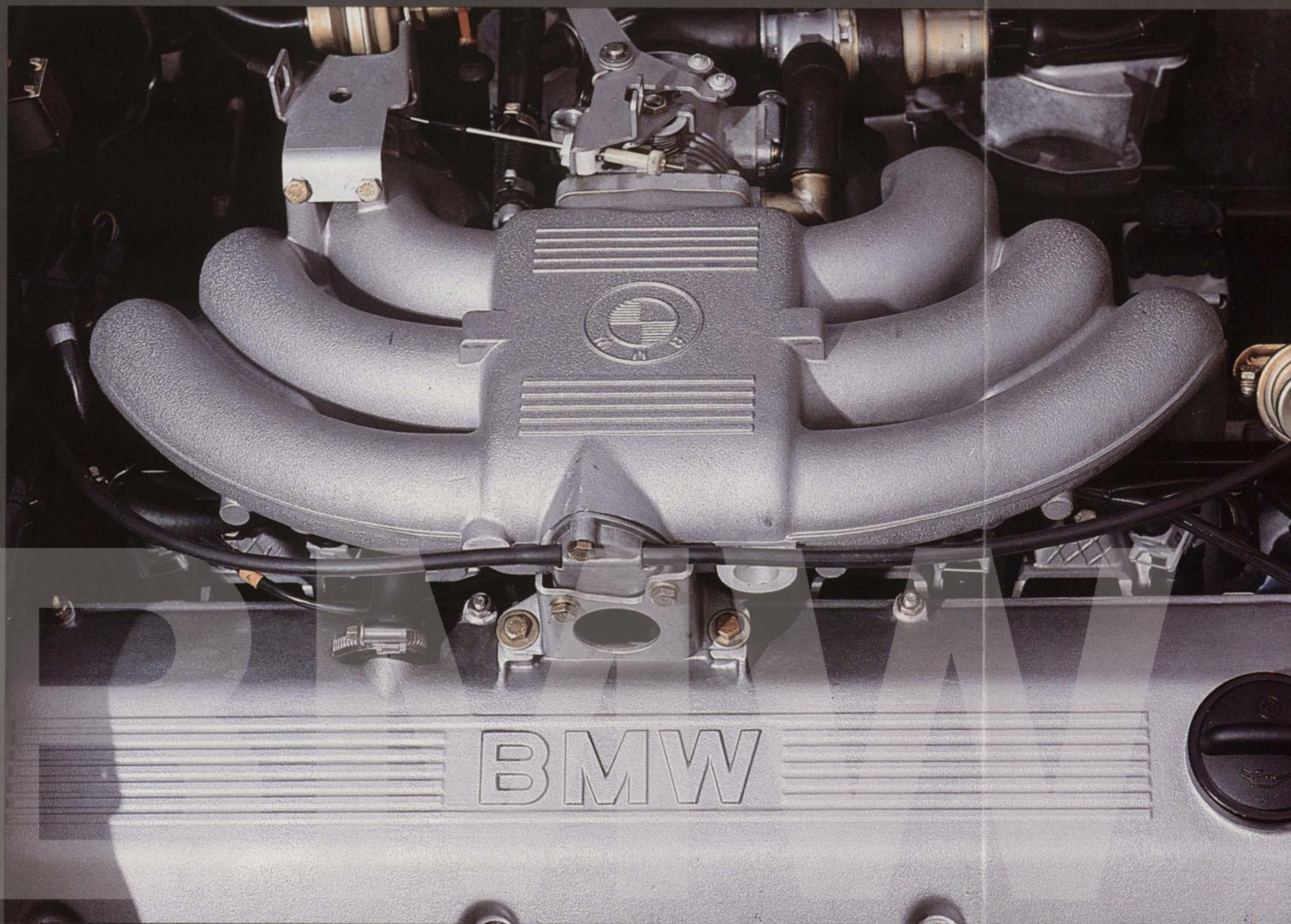
Another example of BMW's progressive engine technology is Digital Motor Electronics.

This sophisticated engine management system not only maintains optimum running conditions throughout the engine's entire life but also ensures a high standard of environmental care.

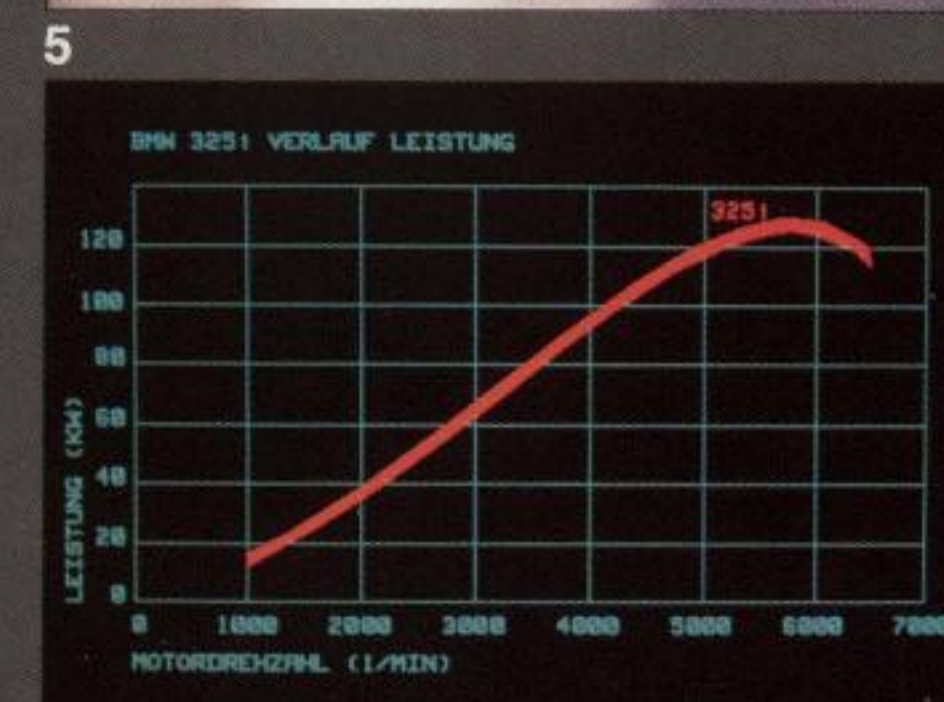
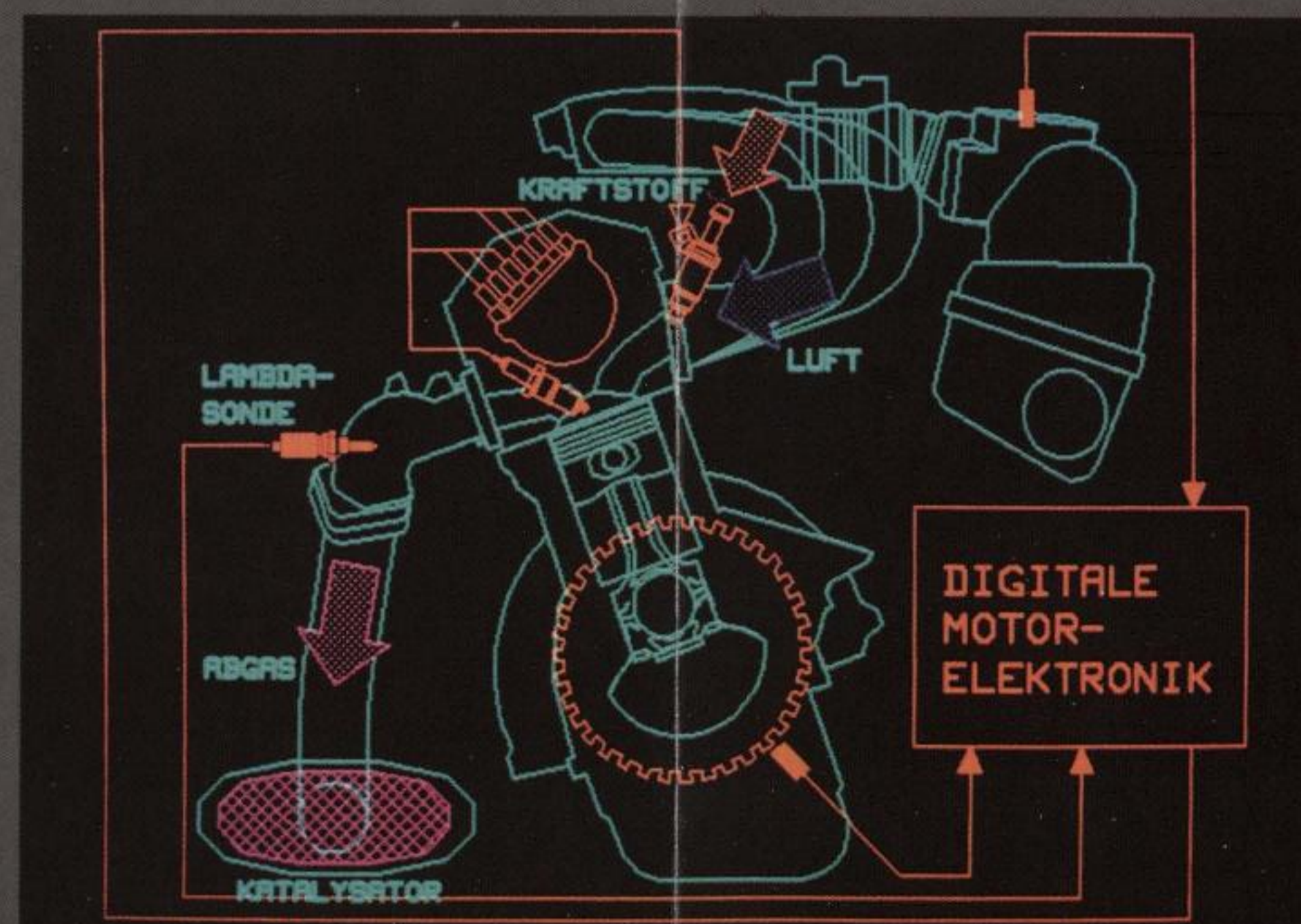
With the fuel/air mixture being kept extremely lean, exhaust emissions are reduced to a minimum (2).

The new 325i 4-wheel drive therefore complies in full with the grade B low-emission standard that qualifies for tax benefits in the Federal Republic of Germany.

The BMW 325i 4-wheel drive will naturally also be available with a catalyst. (Fig 4 presents a schematic diagram of the Digital Motor Electronics with integrated lambda probe.)



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A 6-cylinder inline engine has a much smoother torque curve than, say, a 4 or 5-cylinder engine (3). Which provides ideal conditions for greater motoring refinement. Vibrations are limited to a minimum at all engine speeds and there is no "humming" noise at extremely low or high revs.



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Photo 5, BMW 325i 4-wheel drive
Optional extras: metallic paintwork, rear-view mirror on front passenger's door, headlight wash/wipe

BMW 325i 4-wheel drive
Optional extras: metallic paintwork, steel
sliding/vent roof, rear-view mirror on front pas-
senger's door, headlight wash/wipe, leather
upholstery

BMW AG



The interior of the 325i 4-wheel drive: Providing the highest standard of elegance, motoring comfort and driving safety.

The passenger compartment of the BMW 325i 4-wheel drive clearly shows the heritage of this outstanding car. Proving that it is built by a company that makes exclusive cars for the most discerning purchasers in the luxury range.

The 325i 4-wheel drive thus offers modern and unpretentious elegance inside combined with perfect ergonomics of all instruments and controls, a first-class finish and, naturally, the very best materials.

Comfort without compromises.

The seats provide an optimum position through their carefully designed body contour and the ideal but not too soft upholstery for efficient side support.

The seat springs and the car's suspension/shock absorbers form one functional unit and are exactly coordinated to provide a perfect match. The seats are individually adjustable for height, seat bottom angle, backrest angle and the position of the head restraints.

The driver and front passenger therefore have complete freedom in choosing an ideal seating position. With their individual body contour the ergonomically styled rear seats also provide a comfortable and secure seating position.

The outstanding active safety is complemented by an equally high standard of passive safety.

The entire interior of the 325i 4-wheel drive is systematically padded, edges and corners are covered by soft, energy-absorbing materials and moulded parts.

Like every BMW the 325i 4-wheel drive offers its driver the quality, performance, fatigue-free motoring and driving safety required for absolute superiority on the road.

In this way giving the driver the self-confidence and security for handling many a difficult situation and avoiding unpleasant experiences.

The heating and ventilation system: A perfect atmosphere for perfect motoring.

The heating and ventilation system provides an optimum exchange of air and all-round visibility even under extreme conditions. The high-output four-stage blower and heater can be adjusted accurately to meet the driver's and passengers' requirements. Air conditioning is available as an option.

The body design of the BMW 325i 4-wheel drive provides a good basis for efficient temperature control and a pleasant atmosphere inside the car. With good streamlining without the windscreen, side windows and rear window being raked to an extreme angle.

This largely avoids overheating of the interior in bright sunshine.

The cockpit of the 325i 4-wheel drive. Ideal instruments for superior motoring.

All controls and instruments are integrated in an optimum ergonomic concept.

The instruments, warning lights and controls are arranged sensibly, clearly and without the risk of confusion. Naturally, all important levers and switches are marked by illuminated, clearly distinguishable symbols.

BMW cockpit electronics: More information for the better motorist.

The Service Interval Indicator enables you to determine your car's service intervals yourself.

Depending on driving conditions, this sophisticated electronic instrument shows you when the car requires service or an oil change.

The automatic way to extra safety: BMW Check/Control.

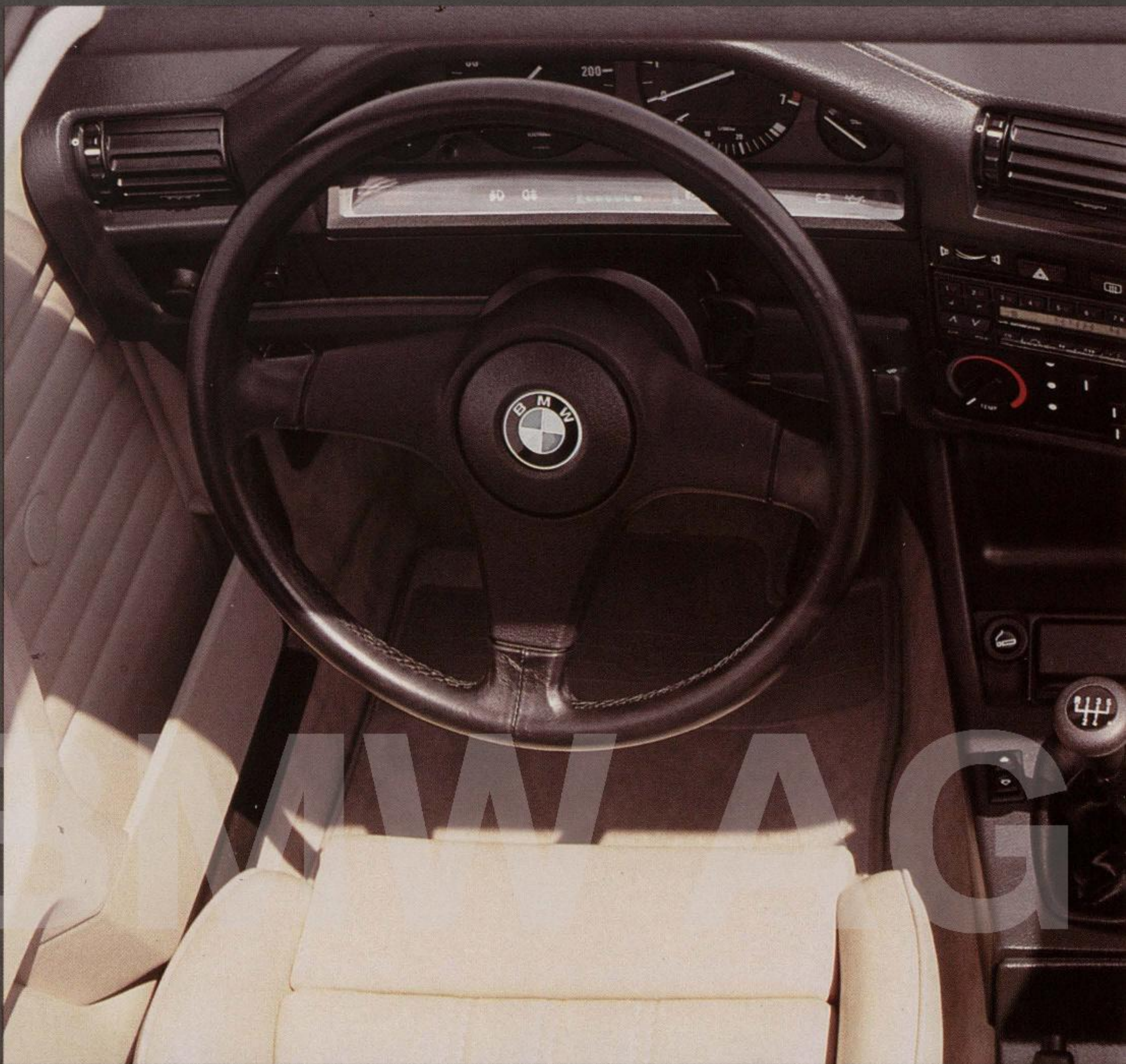
This safety system constantly monitors important vehicle functions and provides an immediate indication of possible deficiencies.

Driving consciously means driving more efficiently: BMW Energy Control.

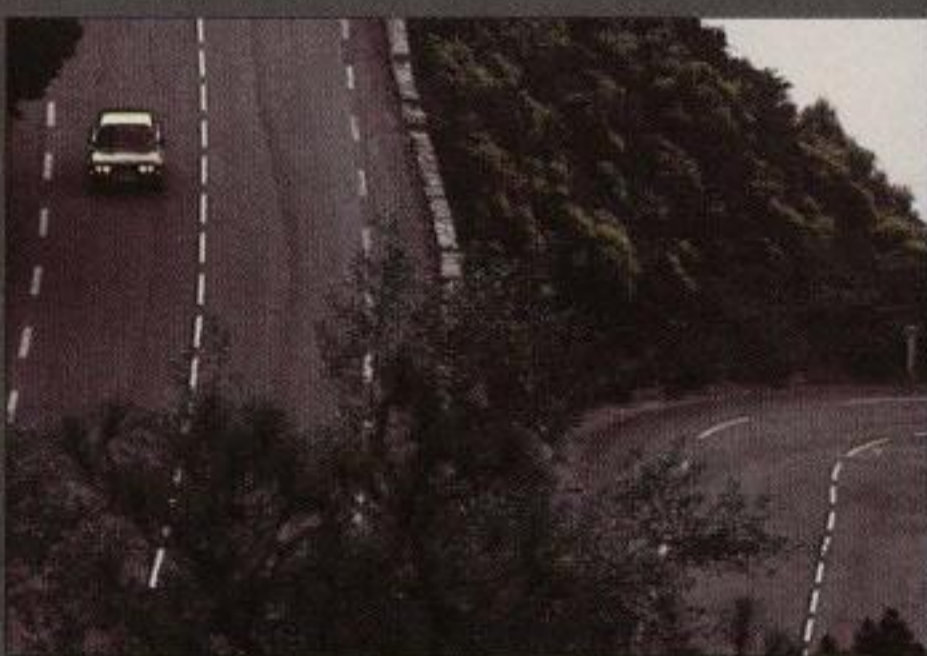
This fuel consumption gauge shows you exactly in ltr/100 km how much fuel your car is currently consuming.

BMW on-board computer:

The third-generation BMW on-board computer with remote control from the left-hand steering wheel stalk is available as an option for the BMW 325i 4-wheel drive.



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BMW 325i 4-wheel drive
Optional extras: leather sports steering wheel, leather upholstery, BMW sports seats, electric window lifts at the front, electrical seat heating, air conditioning, on-board computer, headlight range control, rear quarter-windows, radio

BMW 325i 4-wheel drive
Optional extras: leather upholstery, leather sports steering wheel, BMW sports seats, electric window lifts at the front, electrical seat heating, radio, rear-view mirror on front passenger's door, steel sliding/vent roof, metallic paintwork

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Specifications BMW 325i 4-wheel drive

Bodywork

Two-door/four-door saloon, monocoque all-steel bodywork welded to the floor assembly, torsionally rigid safety cell on all planes, front and rear crumple zones with predetermined deformation, integrated roof crossbar, all-round reinforcement

Dimensions, Weights

Length 4325 mm, width 1662 mm, height (unladen) 1400 mm, wheelbase 2570 mm, track, front 1420 mm, rear 1416 mm, turning circle 11.1 m; elbow width, front 1348 mm, rear 1404 mm

Luggage compartment capacity, absolute 460 ltr, to VDA standard 404 ltr, fuel tank 55 ltr

Weight, unladen 1215 kg, max permissible weight 1675 kg, permitted load 460 kg, permitted roof load 75 kg, max permissible trailer load, braked 1200 kg up to max 12% incline, unbraked 500 kg

(The unladen weight, as quoted, applies to cars with standard fittings plus 75 kg driver's weight in accordance with EEC directive 70/156. Optional extras and special equipment increase this figure and reduce the permitted load accordingly.)

Engine

Water-cooled, 6-cylinder, 4-stroke inline engine, longitudinally mounted and inclined at the front; light-alloy cylinder head, crossflow principle, spherical combustion chamber, overhead camshaft with 7 bearings, crankshaft running in 7 bearings with 12 counterweights, oil sump made of cast aluminium with opening for drive shaft (sealed to prevent loss of oil), bolted-on front axle transmission and differential, oil pump, engine oil/air cooler, modified engine mounts

Second-generation Digital Motor Electronics (Bosch Motronic) with electronic, grid-controlled ignition and grid-controlled, air-volume-metered fuel injection, warm-up control grid and automatic choke, fuel supply cut-off when coasting, electronic idle speed control, double-pipe twin exhaust system with double tailpipes

Capacity, effective 2494 cc, output 126 kW (171 bhp) [120 kW (163 bhp)]* at 5800 rpm, torque 226 Nm [215 Nm]* at 4000 rpm, compression ratio 9.7:1 [9.0:1]*

Transmission, Suspension

Hydraulically actuated single-plate dry clutch with plate spring, automatic adjustment for wear, reinforced clutch with torsional damper, operation of clutch via offset spring

5-speed overdrive-type gearbox with synchromesh also on reverse gear: I 3.83, II 2.20, III 1.40, IV 1.00, V 0.81, R 3.46; final drive ratio 3.64:1

Distributor transmission with viscous locks for permanent 4-wheel drive with asymmetric front/rear torque distribution 37% : 63%, front drive shafts

Front suspension: Front axle with spring strut configuration modified for front-wheel drive (castor), negative steering roll radius, brake dive compensation

Rear suspension: Independent wheel suspension on semi-trailing arms swept back by 15°, anti-squat and brake dive compensation, rear axle with viscous lock

Suspension raised at front/rear by 17 mm/8 mm to reduce the deflection angles on the front drive shafts, styling modified to match with flared wheel cutouts

Sports-tuned suspension with mechanical/hydraulic shock absorbers in front spring struts and stabilizer bar front and rear, twin-tube gas-pressure shock absorbers, power-assisted steering

BMW 5 1/2 J x 14 steel wheels, 195/65 VR 14 low-profile tyres, flush wheel covers

Twin-circuit braking system with brake servo, ABS anti-lock braking system, asbestos-free brake linings, vented disc brakes at the front, fist-calliper disc brakes at the rear, sensor for brake lining wear indicator on rear right wheel

Performance, Fuel Consumption

Top speed 212 km/h [207 km/h]*

Acceleration from 0 to 100 km/h in 9.0 sec [9.4 sec]*

Standing-start kilometre in 29.9 sec [30.6 sec]*

Fuel consumption in ltr/100 km to DIN 70030 Part 1, premium-grade fuel	5-speed gearbox
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at a constant 90 km/h	7.1 [7.7]*
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at a constant 120 km/h	8.7 [9.3]*
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in city traffic	12.4 [12.9]*
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*Figures in square brackets apply to the BMW 325i 4-wheel drive with catalyst (in preparation). Fuel consumption in ltr/100 km to DIN 70030 Part 1, unleaded regular-grade fuel

Exterior Fittings

All-round parking protection through wrap-around, rubber-trimmed bumpers, side strips with rubber inserts, new front air dam bottom section, opening for engine oil/air cooler, flared wheel cutouts front and rear and extra-wide doorsills made of special synthetic material

Laminated windscreen, heated rear window; rear-view mirror on driver's door adjustable electrically from inside (with switches integrated in armrest); chrome strips in door frame; fuel tank filler cover with holder for tank cap, lockable fuel tank filler cap (with universal key for all locks)

Hollow-cavity preservation, undersealing: 6-year warranty against rust breaking through from the inside provided rustproofing is checked annually

Interior Fittings

Full velour carpeting of the interior, velour fleece on the rear shelf, flair velour roof lining with sun visors to match, storage facilities: in the large illuminated glove compartment, on the instrument panel, in the centre console at the front, in the propeller shaft cover at the rear and in the storage boxes in the front doors; armrests on the front doors with integral grab handles, roof grab handles with clothes hooks at the rear, safety ashtray and cigar lighter, illuminated ashtray for rear seat passengers on the propeller shaft cover, foam-padded 4-spoke steering wheel, dia 380 mm, with large padded central boss and 4 wide horn buttons, gear stick knob secured in position with gear shift diagram, footrest on the left

Safety padding on the front roof columns and special lining on the centre columns, all-round padding on the doors with fabric centrepiece, safety padding above the windscreen with recessed sun visors, amply padded instrument panel with rounded-off corners and edges, knee protection, anti-dazzle safety rear-view mirror, door locks with safety anti-burst strikers

Seats: Reclining front seats with fine adjustment of backrests, driver's and front passenger's seats adjustable individually for height, easy longitudinal seat adjustment by means of roller bearings, head restraints adjustable for angle and height and detachable by means of push-button catch, luxurious seat upholstery, seat centrepieces in "Country" fabric, side-pieces in "Highland uni"

3-point inertia-reel seat belts on the front seats with covered reel and both bottom anchorage points on the seats (4-door model), sliding bracket for the bottom anchorage points, seat belt lock anchored directly on front seats (2-door model) and operated by covered push-button at the side, spring-tensioned latch on seat belt lock

3-point inertia-reel seat belts on the outside rear seats and hip belt in the middle, seat belt locks recessed in backrest

Luggage compartment: Fleece carpeting on the floor, side panels and rear panel; stowage boxes, toolbox in the luggage compartment lid, spare wheel beneath luggage compartment floor, removable cover above spare wheel, luggage compartment illumination with contact switch, loading protection strip on the top

Electrical System

Dual halogen headlights with two-stage reflector for the low beam, lights switch off automatically with the ignition; foglamps integrated in the front air dam; two rear fog warning lights, two reversing lights, twin-tone horns

Instrument panel: Instruments and controls grouped in a semi-circular layout around the driver; instrument cluster with electronic speedometer, trip counter, rev counter with integrated EC Energy Control (fuel consumption gauge), SI Service Interval Indicator, fuel gauge and coolant temperature gauge; additional warning lights for fuel level, ABS anti-lock braking system, handbrake pulled, brake lining wear and brake fluid level, infinitely adjustable orange illumination of instruments and controls, illuminated symbols and markings for switches, illuminated switch for hazard warning flashers, separate parking light switch, analogue-face clock in centre console with electronic setting, electrical screenwasher system with automatic wash/wipe and fingertip control, two wiper speeds, intermittent wipe operated from the steering column; socket for rechargeable hand lamp (optional extra) in glove compartment

Active Check/Control above the windscreen with automatic verification of the following functions when the ignition key is turned: low-beam headlights, tail lights, number plate light, stop lights, coolant level, screenwasher reservoir level, engine oil level; central indicator light in the instrument cluster

Heating/ventilation: Fresh-air heater, independent of engine speed, with easily adjustable temperature control and output by push buttons and rotary knobs; quiet 4-stage blower, fixed-position defroster nozzles for the windscreen and side windows, fresh-air supply through 4 outlet grilles at the side and the middle, cylindrical heater/fresh-air outlet with a wide range of vertical adjustment, horizontal adjustment and separate on/off control; illuminated heater diagram, forced extraction of stale air, rear passenger compartment heating (standard on the 4-door model)

66 Ah battery in the luggage compartment, 80A/1120 W alternator

Optional Extras

Contact your BMW dealer for information on sensible and individual optional extras for your BMW.

Your dealer can provide you with special brochures and advertising material that offer detailed information on BMW's optional extras.

Through careful design and production, BMW cars are already prepared for the installation of optional extras and special equipment.

This guarantees perfect integration of such additional features.

All optional extras have been developed either by BMW or in close cooperation with BMW and thus fulfil maximum demands in terms of quality and functionality.





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The models shown are fitted according to the specifications applicable in West Germany. According to the requirements of particular export markets, alterations in models, standard and optional equipment, as described in the text and illustrations, may occur. For precise information, please contact your BMW importer or dealer. Subject to change in design and technical features.

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