

# Volkswagen Kombi, Caravelle, Syncro 4WD.







Volkswagen Vans and People Movers have for a long time been synonymous with safety, reliability and economy.

German built, each Volkswagen Van or People Mover has superb running gear, handling and performance; top quality finish and low running and maintenance costs.

They are the most successful one-tonne vehicles in the world.

But we are constantly working on ways to improve them, to make them even more individual, more practical and more versatile.

#### **Volkswagen Syncro. A Four-Wheel Drive System That Has Set New Standards**

In contrast to four-wheel drive vehicles where the second drive has to be manually engaged as it's required, Volkswagen's Syncro four-wheel drive is controlled completely automatically.

All four wheels power you safely to your destination, without so much as the press of a button.

Even the most extreme road or weather conditions can be overcome effortlessly.

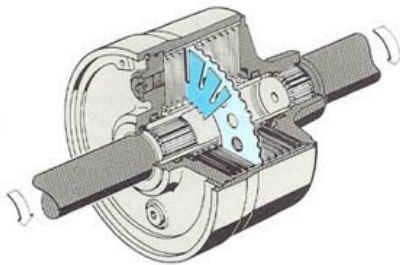
Water, ice, snow, slush and sand all represent a constant challenge to both the vehicle and the driver, and call for split-second reactions.

Syncro technology makes this possible – automatically, with spontaneous control and no doubt about the result.

Volkswagen Syncro copes with fast highway travel,

heavy urban traffic, unsealed roads, off-road driving and steep difficult mountain tracks with equal ease. All made possible through the Syncro's technological design.

Its floor pan is specially designed to withstand the extreme conditions likely to be encountered in Australia.



An undertray device in front of the front wheels and another for the engine and gearbox provide a necessary degree of safety. The same applies to the protective skids on either side of the propeller shaft.

Unlike conventional four-wheel drive vehicles, the Syncro's technology automatically regulates the additional drive to the front wheels as necessary.

Even a minor difference in the



speeds of the front and rear wheels is equalised by a viscous coupling.

Traction is transferred automatically to the front wheels in such a smooth, jolt-free manner that you feel only the effect, not the procedure. The result: reliable, stable driving in every situation.

All Syncros are fitted with the 4+G gearbox (4-speed gearbox with additional off-road gear). There are no other levers to misuse or confuse.

For operation in particularly extreme conditions the Syncro Deluxe and Caravelle GL are supplied with a differential lock at rear, for independent operation when required.

#### **Driver And Passenger Comfort To Put You At Ease**

The cab of the Volkswagen Syncro successfully combines the luxury of a passenger car with the ruggedness of a four-wheel drive.

Long-travel independent coil suspension, the new technology four-wheel drive system and a smooth, quiet fuel-injected motor ensure off-road prowess and load-carrying capabilities that do not compromise Volkswagen's superb ride characteristics.

Anatomically-shaped seats permit comfortable, relaxed driving, with plenty of leg and arm room.

All controls and indicators are rationally arranged so that they are within easy reach of the driver and in the immediate field of vision. Easy action steering and a quiet, powerful, easily controlled ventilation system allow the driver to drive with confidence in every situation, whether in town traffic, open highways or off-road.

#### **Kombi Syncro – Extra Seating**

Although standard as a two-seater, anchorage points are fitted to all Kombi Syncro models to allow







seating for up to eight people. Optional centre seats are fitted on a rack to ensure easy conversion from a load-carrying workhorse to a family transporter.

#### Caravelle GL Syncro

The Caravelle GL Syncro offers luxury seldom experienced on or off the road. Plush velour trim, seven seats all with arm rests, power steering, central locking and luxury interior trim and the same off-road superiority of other Volkswagen Syncro models.

#### A Drive Concept To Suit Every Need – The Volkswagen Engine

The Volkswagen engine has been designed to cover a full range of operating conditions.

Fitted with digitally controlled fuel injection (Digifant) and immensely free revving, the Volkswagen 4-cylinder spark ignition engine of 2.1 litre capacity develops 70 kw of power and 160 Nm of torque.

It turns in high performance but remains scrupulously economical. Even at low engine speeds, it gives surprisingly good traction (for instance when towing a trailer), while its noise level remains very low.

The same water-cooled horizontally-opposed engine is equally suited for anyone who frequently has to average high speeds over long distances.

#### Our Success is Built on Technical Design and Safety

For many years, Volkswagen Vans and People Movers have epitomised safety, reliability and economy and this hasn't changed in the Syncro versions.

Features in the safety system built into every Volkswagen range from the torsionally-rigid floor pan to the forked frame beneath the cab, made of strong profile sections for a high level of passive safety.

In the event of a collision, impact energy is largely absorbed by the bumper and dissipated via the deforming element which stretches across the whole width of the vehicle.

Cross members with vertical webs, longitudinal members, door profiles and a safety steering column with breakaway

element and deforming members all combine in providing maximum protection should the worst come to the worst.

A further example of the technical superiority represented by the Kombi Van and People Mover models is the double-wishbone front axle layout with self-stabilising steering.

This design largely prevents the vehicle from running off line when braking or when the wheels on one side of the vehicle are on a loose surface.

Volkswagen Kombi Vans and People Movers have a semi-trailing arm rear axle, a design which is also used on high-performance sports cars and passenger cars.

With its powerful minibloc springs and telescopic dampers, this vital running-gear element makes a vital contribution towards the vehicle's supreme road behaviour.

The Volkswagen commitment is clear: advanced design not for its own sake, but for safer, more enjoyable four-wheel drive motoring, on or off the road.

#### Quality in Detail: Corrosion Protection Treatment

For Volkswagen, the notion of quality standards means more than just advanced technology geared towards achieving safe handling.

It means providing optimum corrosion protection for maximum durability.

You'd think the Syncro versions would get more protection than their 2-wheel drive cousins. But they don't.

All Volkswagen Kombi Vans and People Movers get the same protection.

All bodyshell sections which are particularly exposed to corrosion, especially add-on sections which have to withstand extremely severe conditions, are manufactured of sheet steel which is galvanised on one or both sides.

Once assembled, the whole bodyshell is passed through a

cathodic dip-primer coating to protect it from rusting under the paint-work.

Particularly exposed areas such as edges and corners automatically receive a much thicker protective coating.

The whole floor pan, wheel arches and front panel (in other words, all exposed areas) are given a particularly resilient intermediate coating to protect them against chipping before receiving a PVC coating or special paint finish to resist stone chips.

A plastic sealant is applied to all joint seams.

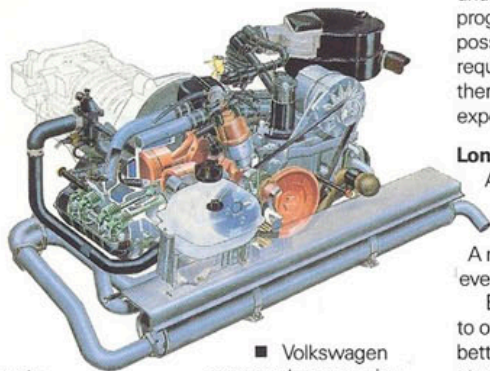
As a final step, the whole floor pan, including wheel arches and suspension elements, is protected against damp by a wax and PVC coating.

The result: a level of quality which provides a guarantee of reliability, high value retention and a lengthy operating life.

#### Customer Satisfaction: The Basis of After Sales Support

Authorised service for Volkswagen vehicles offers the following advantages:

- Authorised dealer network all over Australia.
- Specially equipped workshops with experienced, well-trained specialist personnel.
- Comprehensive stocks of genuine Volkswagen new and exchange parts.



- Volkswagen approved accessories.

This is just a selection from a wide range of services aimed at keeping your vehicle operational at all times, reducing the periods when it is out of action to a minimum.

#### Volkswagen 12 Months/ Unlimited Distance Warranty

And as further proof of top performance, we offer a 12 month warranty without distance limit on all Volkswagen vehicles and a 12 month warranty on all genuine Volkswagen new and exchange parts.

Historically, Volkswagens have proved they require little maintenance work and when necessary, are



unusually easy to maintain. Technical progress means that it has proved possible to reduce maintenance requirements considerably, and therefore, avoid unnecessary expense.

#### Long Service Intervals

All Volkswagen vehicles require a lubrication service every 6 months or 15,000 km.

A major service is only necessary every 30,000 km or 12 months.

Examine what a Volkswagen has to offer; get to know our vehicles better through a thorough test drive at your local dealer or we'll come to you.

See the exciting new range of German built Volkswagen Syncro Vans and People Movers. They're back, and at Japanese prices.



## Technical Specifications

### Kombi Syncro, Kombi Syncro Deluxe, Caravelle GL Syncro

	Kombi Syncro	Kombi Syncro Deluxe	Caravelle GL Syncro
<b>Engine</b>			
Type	4-Cylinder, horizontally-opposed, water-cooled		
Location	Rear		
Capacity	2109cm cubed		
Maximum Power (DIN)	70kw at 4800 rpm		
Maximum Torque	160 Nm at 2800 rpm		
Compression Ratio	9.0:1		
Fuel Induction	Digital controlled fuel-injection		
<b>Transmission</b>			
Driven Wheels	Front and Rear		
Drive to rear	Via single dry-plate clutch, all synchromesh gearbox		
Drive to front	Via propeller shaft and viscous coupling		
Rear diff. lock	No	Yes	Yes
Gearbox	4 + G manual (see note 1)		
Gear Ratios	1st 2nd 3rd 4th "G" final drive		3.78 2.06 1.225 0.85 6.03 5.43
<b>Suspension</b>			
Front	Independent with double wishbones, anti-roll bar and self-stabilising steering		
Rear	Independent with semi-trailing arms		
Front Springs/Dampers	Progressive-rate coil springs and telescopic dampers		
Rear Springs/Dampers	"Minibloc" coil springs and telescopic dampers		
<b>Braking</b>			
Type	Dual-circuit system with front discs and rear drums; brake servo and brake pressure regulator		
<b>Steering</b>			
Type	No maintenance, rack and pinion. Safety steering column		
Power assistance	No	Yes	Yes
Turning Circle	approximately 10.9m		
<b>Wheels and Tyres</b>			
Wheels	6J x 14; Steel		
Tyres	205 R 14 C steel radial		
<b>Body</b>			
Construction	Unitary all-steel frame and floor pan assembly with longitudinal and transverse members; additional sub-frame at front for mounting front final drive with viscous coupling, wishbones and anti-roll bar. Protective skids on either side of the propeller shaft. Undertray ahead of front wheels and for engine and gearbox assembly. Deforming element for front bumper. Galvanised sheet steel used for certain body panels; six stage paintwork process.		
<b>Dimensions and weights</b>			
Wheelbase	2460 mm		
Overall length	4570 mm		
Overall width	1845 mm		
Overall height	2003 mm		
Track (front/rear)	1568/1560 mm		
Rear cabin area:			
Volume	5.7m cubed	5.7m cubed	-
Length (without seats)	2780 mm		
Width (without seats)	1590 mm		
Height (without seats)	1465 mm		
Area	4.36m squared	4.36m squared	-
Luggage capacity (with seats)	1.7m cubed		
Weights:			
Unladen (kg)	1540	1540	1655
Payload limit kg	960	960	845
Gross weight limit kg	2500		
Max. trailer weight kg (Loaded)	600 unbraked/2000 braked		
Ground clearance	front: 228 mm/rear: 206 mm		
Approach/dep. angles	24 degrees/22 degrees		
Fording depth	363 mm		
Fuel tank capacity	70 litres		
Seating capacity	2	2	7
Warranty	12 months/unlimited distance		

Note: Gearbox "G" denotes overland gear (low ratio forward)

## Equipment

### Kombi Syncro, Kombi Syncro Deluxe, Caravelle GL Syncro

	Kombi Syncro	Kombi Syncro Deluxe	Caravelle GL Syncro
<b>Engine and transmission</b>			
2.1 Litre 4-cylinder, water-cooled engine with Digital controlled fuel injection	X	X	X
Electronic ignition	X	X	X
Heavy-duty air-cleaner	X	X	X
4+G manual transmission	X	X	X
Rear differential lock	-	X	X
<b>Exterior</b>			
Halogen headlights incorporating driving lights	X	X	X
Rear wiper/washer	X	X	X
Heated rear window	-	-	X
Metallic paintwork	-	optional	X
Exterior door mirrors - left and right	X	X	X
Opening quarter vents	X	X	X
Sliding windows - passenger area	-	-	X
Laminated windscreen	X	X	X
Hub-caps	X	X	X
Alloy wheels	-	-	optional
Rear mud-flaps	X	X	X
Hazard warning flashers	X	X	X
Reversing lights	X	X	X
<b>Interior</b>			
Seating for seven including driver	-	-	X
Seat and seat belt anchorage points for eight people including driver	X	X	-
Leatherette trim	X	-	-
Tweed-cloth trim	-	X	-
Velour trim	-	-	X
Rubber flooring in cab	X	X	-
Full carpeting	-	-	X
Arm rests and head restraints on all seats	-	-	X
Soft-feel steering wheel	X	X	X
Power steering	-	X	X
Clock - analogue	X	X	X
Tripmeter	X	X	X
Hand-brake warning lamp	X	X	X
Temperature gauge with warning lamp	X	X	X
Brake circuit warning lamp	X	X	X
Battery charge warning lamp	X	X	X
Oil pressure warning lamp	X	X	X
Fuel gauge	X	X	X
Combined fresh-air ventilation and heating system with 3-speed blower	X	X	X
Ventilation outlets in passenger area	-	-	X
Air-conditioning	optional	optional	optional
Illuminated switches and heater/ventilation controls	X	X	X
Variable instrument lighting intensity	X	X	X
Two speed wipers with flick-wipe setting	X	X	X
Intermittent setting for wipers	-	-	X
Electric windscreen washer	X	X	X
Interior lighting - cab	X	X	X
Interior lighting - passenger area	-	-	X
Glove box - lockable	X	X	X
Passenger grab-handle - front	X	X	X
Carpeted luggage area	-	-	X
Fold-down rear seats for increased luggage area	-	-	X
Bright protective grid for rear window	-	-	X
Lining - cargo area	X	X	-
<b>Access</b>			
Walk-through facility from cab to rear cargo/passenger area	X	X	X
Tailgate with automatic raising by gas-filled struts	X	X	X
Central door locking	-	-	X
Locking fuel cap	X	X	X
<b>Structural</b>			
Strength and safety system including anti-intrusion members and integrated roll-over bars in body	X	X	X
Additional sub-frame at front for mounting front final drive with viscous coupling, wishbones and anti-roll bar	X	X	X
Protective skids on either side of propeller shaft	X	X	X
Specially-designed floor pan for extreme conditions	X	X	X
Galvanised sheet-steel used for exposed body panels	X	X	X
Cavity protection treatment	X	X	X
Wax undersealing	X	X	X
Six-stage paintwork process	X	X	X

**Your Volkswagen Dealer:**



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Specifications subject to change without notice.

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