

THE S-CROSS – SUZUKI’S FIRST CROSSOVER

- Suzuki’s first Crossover model available in 2WD and ALLGRIP 4WD.
- Launched in October 2013 - priced from £13,999 for SZ3 1.6 petrol with manual transmission.
- DDiS with TCSS (Twin Clutch System by Suzuki) model now on sale on SZ5 models as a £1,350 option.
- Available with either 1.6-litre petrol or 1.6-litre DDiS engines offering class leading emissions and low fuel consumption - 1.6DDiS 2WD emits just 108g/km (Euro 6) of CO₂ with 68.9mpg on the combined cycle.
- Available in three grades; SZ3, SZ-T and SZ5 with all four equipped with seven airbags and ESP as standard.
- SZ-T model aimed at Corporate / Fleet buyers.
- World’s first double sliding panoramic sunroof (SZ5 models only).
- DAB Radio fitted as standard equipment on SZ-T and SZ5 models.
- Large luggage capacity of 430 litres.
- ALLGRIP model available – showcasing Suzuki’s 4WD technology.
- Service intervals of 12,500 miles for petrol and diesel models help lower cost of ownership.

The S-Cross went on sale in October 2013, just six months after the all new model was unveiled at the Geneva Motor Show and its key features speak a clear language: Suzuki once again shines as a true expert in the field of crossover and four wheel drive cars.

S-Cross is the latest of Suzuki’s world strategic models and makes strong statements in styling, impact safety, driving performance, handling as well as offering low fuel consumption and low emissions.

Striking crossover styling gives a remarkable, bold and sporty look. The distinctive design offers ample room for passengers and luggage and the world’s first double sliding panoramic glass sunroof has one of the largest opening areas in this category (560mm).

Latest generation four wheel drive technology with the internationally acclaimed handling of the Swift and cutting edge active and passive safety features leave no room for doubt: The S-

Cross is far more than just a crossover vehicle – it's the perfect fusion of family-friendliness, safety and performance.

When Suzuki's designers and engineers began developing the S-Cross they realised they needed to "think bigger" to be able to respond to customer expectations with regard to crossovers in Europe and other parts of the world.

Suzuki created the S-Cross by combining its compact car knowledge with technologies honed for sport utility vehicles. As a result of focusing on giving the S-Cross distinctive crossover styling, class leading space for passengers and luggage, 4WD performance and one of the lowest CO₂ emissions in the segment, it achieves a remarkable combination of styling, utility, safety, performance and fuel economy.

Suzuki manufactures the S-Cross at the Magyar Suzuki plant in Hungary; Magyar Suzuki plays an important role as Suzuki's European production centre and the launch of the model marked the start of an expansion programme in which it extends its exports to more countries, increases its production volume, and establish itself as an important manufacturing base for Suzuki's global strategy.

Equipment specification – Highlights

All SZ3 models are equipped as standard with seven airbags, ESP, Bluetooth and Tyre Pressure Monitoring as well as Daytime Running Lights (DRL), 16-inch alloy wheels, cruise control with speed limiter, air conditioning, heated door mirrors, black protective skid plates and black wheel arch extensions.

SZ-T adds satellite navigation with DAB digital radio, polished 17-inch alloy wheels, rear parking camera, rear parking proximity sensors, Dual Zone automatic air conditioning, front fog lamps, rear privacy glass, silver roof rails and silver skid plates. Suzuki introduced the SZ-T model specifically with Fleet buyers in mind, although it is available to retail customers as well.

Equipment for the top of the range SZ5 model includes front parking sensors, leather seat upholstery, double sliding panoramic sunroof and HID projector headlamps with AUTO function.

A range of seven exterior colours are available for the UK market; Superior White is available as a solid colour with Cool White Pearl, Silky Silver Metallic, Galactic Grey Metallic, Cosmic

Black Pearl Metallic, Boost Blue Pearl Metallic and Crystal Lime metallic available as a £430 option.

The S-Cross is the first ever Suzuki 'C' segment Crossover model and suits the needs of families with active lifestyles as well as being an attractive proposition to Fleet and Corporate buyers in the UK. CO₂ emissions are low at just 108g/km (Euro 6) for the 1.6DDiS 2WD model and 125g/km for the 2WD petrol model with optional CVT. The DDiS 2WD model achieves low CO₂ emissions of 108g/km that result in an annual VED charge of just £20.

Residual values are strong and of particular benefit to higher mileage Fleet operators with CAP quoting a retained value of 36 per cent for the 1.6-litre DDiS ALLGRIP model over the conventional three years / 60,000 miles period.

High rigidity and low-weight body

A highly rigid body is fundamental to handling, comfort, safety, NVH performance and every other aspect of a car's behaviour. The body incorporates a large proportion of high-tensile steel for strength and lightness with stiff mountings for the front struts and suspension frame helping to provide greater handling stability. Reduced NVH has been achieved through greater rigidity in the rear section of the body.

Exterior design

Emotionally appealing features include modulated lines running along the sides from the front bumper to the rear combination lamps, plus a rounded bonnet which conveys a sense of strength and solidity.

Quality features include chrome items at the front; standard equipment LED daytime running lamps in the headlamps and two-part rear combination lamps.

Interior design

Dynamic, refined design extends to the instrument panel which has soft, padded surfaces that contain layers of polyvinyl chloride and urethane; its contours overlap the doors, giving a sense of width and energy to the interior. The cabin uses black as its keynote colour and incorporates quality silver features for the centre dash panel, centre console, and door trims.

Superior aerodynamic performance

Design engineers pursued minimal drag from the beginning of the development process by conducting wind-tunnel tests on clay models and by using computer-aided engineering technologies. The car's superior aerodynamics benefits performance and fuel economy.

Key aerodynamic features:

- Minimal grille opening area reduces unnecessary air intake.
- Front bumper corners, fog lamp bezels and wheels shaped to smooth airflow over the sides of the body.
- Door mirrors with low drag design.
- Smooth roof line from the windscreen to the back of the body, contours that draw inward towards the rear of the body and aerodynamically efficient contours on the rear help to smooth airflow.
- Under body airflow was optimised by using newly adopted items (Engine under shield and floor covers) as well as using new design bumper shock absorbers and flat shaping of the underside of the exhaust system.

Safety

Light but impact absorbing body and various safety features with 5-star Euro NCAP rating

The S-Cross gives both drivers and passenger's peace of mind in everyday motoring by means of its superior stability and comprehensive active and passive safety features. It also incorporates a range of standard safety features which protect pedestrians.

Light, impact-absorbing TECT body

The body features Suzuki's Total Effective Control Technology (TECT) concept for occupant-protecting impact absorption and low weight. Extensive use of high tensile steel for key parts helps to keep the body light and substantially enhances the vehicle's crashworthiness.

Safety equipment

The active safety equipment includes a speed limiter, which prevents the car from exceeding a driver set speed, ESP®, and TPMS, which helps the driver keep an eye on individual tyre pressures from a diagram in the instrument cluster. Passive safety equipment as standard includes seven airbags to offer protection in the event of frontal, lateral or rear impact, seatbelt pre tensioners and force limiters, and a mechanism which limits backward movement

of the brake pedal. In addition, bonnet shape and revised structures for the cowl top, wipers and bumpers provide impact absorption which lessens the degree of injury if the car comes into contact with a pedestrian.

Engines

The engine options are 1.6-litre petrol and 1.6-litre diesel; both have an output of 120PS.

1.6-litre petrol engine

The 1.6-litre engine is an evolution of the M16A unit and offers lower emissions and improved fuel economy with no compromise on performance. Weight savings in the engine and related parts also help to achieve superior fuel economy together with high output and torque. Key measures to promote fuel economy and lower emissions are as follows:

Engine

Friction and weight reductions: Low tension piston rings; lightweight pistons and connecting rods; thinner crankshaft; narrow bearings; two-stage oil pump with pressure relief valve and reduced loading of valve springs. For improved fuel efficiency this engine also has a lower idling speed than before with revised fuel cut off.

Related parts

Light exhaust manifold; high efficiency fuel pump; light weight exhaust system; revised engine mounting system and light weight radiator and fan assembly.

1.6-litre diesel engine

The 1.6-litre diesel engine has a torque output of 320Nm from just 1,750rpm and uses a variable geometry turbocharger (VGT). The VGT gives optimal forced induction by controlling the flow of exhaust gases in accordance with the engine speed, thereby helping to achieve high torque, low fuel consumption and low particulate emissions. To help minimise vibration and harshness, this engine is complemented by a sound-insulating engine cover, sound insulating windscreen and a cowl top panel brace.

Key measures to promote fuel economy and lower emissions are as follows:

Friction reductions include lower tension piston rings, lower loading of valve springs and the use of lower viscosity engine oil. Other measures include variable capacity oil pump; revised exhaust gas recirculation circuit; revised fuel injection control and a more energy efficient

fuel pump.

Performance

- A blend of all-terrain crossover capability and on-road performance
- A powertrain delivering environmental compatibility and great performance
- Transmission systems which heighten driving pleasure
- Remarkably low CO₂ emissions for a C-segment crossover

The performance results from an exceptional combination of attributes: 4WD SUV capability, positive handling derived from the Swift and direct straight-running stability thanks to a long wheelbase. Low CO₂ emissions and fuel consumption also help fulfil the global need for environmental compatibility.

CO₂ emissions and fuel consumption

The CO₂ emissions for the S-Cross petrol models are 127g/km with 2WD manual transmission, 125g/km with 2WD CVT, 135g/km with ALLGRIP manual transmission and 130g/km with ALLGRIP CVT. The CO₂ emissions for the diesel models are 108g/km (Euro 6) with 2WD manual transmission and 113g/km with ALLGRIP manual transmission. All diesel models are equipped with Engine Auto Stop Start (EASS) as standard.

1.6 petrol engine:

Drive system	Transmission	Fuel consumption combined (mpg)	CO ₂ emissions combined (g/km)
2WD	5MT	51.3	127
	CVT	51.3	125
ALLGRIP	5MT	47.8	135
	CVT	49.5	130

1.6 DDiS engine:

Drive system	Transmission	Fuel consumption combined (mpg)	CO ₂ emissions combined (g/km)
2WD	6MT	67.2	108
ALLGRIP	6MT	64.2	113
ALLGRIP	TCSS	62.8	118

Twin Clutch System by Suzuki (TCSS)

Introduced in September 2015, the all-new TCSS transmission is an automated manual transmission with hydraulically controlled clutch and gear change facility, meaning the driver experience is equivalent to driving a car fitted with a conventional automatic transmission.

TCSS uses two clutches (known as odd and even); one to engage and disengage 1st, 3rd and 5th gears and another for 2nd, 4th and 6th gears. Whether the driver is accelerating or decelerating, the next required gear is always available instantly.

Coupled to the Euro 6 compliant 1.6-litre DDiS engine, the new transmission provides even faster gearchanges than could be achieved with a conventional manual and is an ideal match for the 320Nm of torque available from just 1,750rpm. Gearchanges can also be manually operated via paddles behind the steering wheel.

Gear ratios are slightly different for the TCSS equipped model and a full S-Cross specification sheet follows at the end of this press pack. The marginally heavier transmission / ancilliary parts result in a negligible increase in fuel consumption versus the manual ALLGRIP version (-1.4mpg) but still attains 62.8mpg on the EC combined cycle. CO₂ emissions are just 4g/km higher than with the manual gearbox at 118g/km.

Operating in a similar way to a conventional automatic transmission, the TCSS system also incorporates a *Creep* facility that allows the vehicle to move at a slow speed (approx 5mph) when in heavy traffic or to assist the driver during parking. This facility is cancelled however when driven on an incline of more than five per cent or if the TCSS system is below normal operating temperature.

Additionally, when the vehicle is driven on a decline and the clutch system detects that the increasing road speed is nearing a specified value, it will automatically engage the clutch to provide engine braking.

Continuously Variable Transmission

The optionally available continuously variable transmission (CVT) for the 1.6-litre petrol engine extends the range of gear ratios for an outstanding combination of acceleration, hill-climbing performance and fuel economy. A built-in oil cooler ensures superior cooling performance for high speed driving and a straight shift gate provides ease of use. Additionally, a seven

speed manual programme select mode allows the driver to shift up and down using paddles behind the steering wheel.

A further advantage of specifying the CVT system is that the CO₂ emissions are even lower than for the manual transmission and, if the 4WD model is chosen, it offers further improvements in fuel economy too.

Suspension and Brakes

Suzuki models, such as the Swift, incorporate chassis technologies tuned for European roads. Suzuki has improved these technologies further for the S-Cross and Vitara models to give drivers greater enjoyment and peace of mind. During the development process, some chassis development has also been carried out in the UK.

Suspension

The front wheels have a MacPherson strut suspension system and a light and rigid suspension frame helps ensure superior handling stability. The results of numerous tests on European roads are reflected in a superb combination of handling stability and driving comfort. Plus, increased rigidity in the mountings for the front struts and lower arms enhances handling and helps suppress noise and vibration.

Brakes

Ventilated disc brakes at the front and solid disc brakes at the rear ensure plenty of stopping power and newly specified material for the calliper pistons have reduced weight and improve brake feel.

ALLGRIP 4WD technology

ALLGRIP is Suzuki's new generation 4WD, created by evolving the company's renowned 4WD technologies to provide driving enjoyment and peace of mind in diverse conditions while promoting economy and limiting the strain which 4WD cars place on the environment. The four-mode 4WD system in the S-Cross embodies ALLGRIP technology.

Four-mode 4WD system

The 4WD system has four driver-selectable modes – auto, sport, snow, and lock.

Integrated control of the engine, transmission, ESP^{®*}, etc., allows selection of an optimal mode to suit road and driving conditions. The driver selects the desired mode using a simple push and turn dial on the centre console.

**Note: ESP is a registered trademark of Daimler AG*

AUTO

The AUTO mode prioritises fuel economy in typical driving conditions. The system uses 2WD by default and will switch to 4WD if wheel spin is detected.

SPORT

The SPORT mode is optimal for twisty roads. The system makes maximum use of 4WD in response to accelerator inputs. At low and mid-range engine speeds, the system alters the accelerator/torque characteristics to optimise engine response and cornering performance. When selected, an engine speed increase of 500rpm will be noticed by the driver and in response to higher acceleration inputs, the ALLGRIP system will automatically divert 20 per cent more torque to the rear wheels.

SNOW

The SNOW mode is optimal for snowy, unpaved and other slippery surfaces. The system uses 4WD by default. It optimises 4WD control in accordance with steering and accelerator inputs in order to enhance traction and stability on low-friction surfaces.

LOCK

The LOCK mode is designed for extricating the car from snow, mud or sand. The system distributes high torque to the rear wheels continually.

Comfort and convenience

- Interior environment designed for comfort on long journeys
- One of the largest luggage capacities in its class (430 litres)
- A panoramic sunroof with one of the largest opening areas in its class and world first* double sliding glass panels

A spacious, airy cabin and a generously sized luggage area ensure convenience and comfort for the whole family during day-to-day commutes and extended weekend trips with ample luggage space and no compromise in passenger space.

An overall length of 4,300mm and wheelbase of 2,600mm allow for plenty of cabin space and the distance between front and rear occupants is 814mm. The front seatbacks are shaped to give rear passengers plenty of knee clearance to help make long journeys relaxing and even with the rear seat in the fully upright position, the S-Cross has a large luggage capacity of 430 litres. The rear seat and luggage board can be repositioned to accommodate different kinds of luggage, making it ideal for families.

High quality front seats

The design of the front seats offer excellent support and hold occupants firmly in place even on tight curves. A height adjuster for the driver's seat has a fore and aft range of 51mm and an up down range of 59mm to enable drivers with diverse physiques to choose the most comfortable position. The rear seatback can be set at either of two angles; one angle promotes passenger relaxation and the other creates an extra 10 litres of space in the luggage area in addition to the quoted 430 litres.

Panoramic sunroof

The panoramic glass sunroof is a world first*, consisting of two sliding panels (one in front of the other). The sunroof extends over the front and rear seats, making the cabin more relaxing for all occupants. When the sunroof is closed, the glass panels have a combined length of 1,000mm. When the sunroof is open, the aperture has a length of 560mm (one of the largest in this segment), giving occupants an invigorating open roof experience.

**Suzuki's internal research.*

Refined, high legibility instrument meters

Heightened functionality in the instrument cluster helps the user concentrate on driving. A large speedometer and tachometer flank a multi information display that shows instantaneous fuel consumption, time, outside temperature, and, in a 4WD equipped vehicle, the driving mode. It includes a rear-seatbelt warning and also indications for the ultrasonic parking sensors fitted as standard equipment on SZ-T and SZ5 models.

Note to editors:

- All Suzuki models are covered by a three-year/60,000-mile new vehicle warranty, one year AA Suzuki Assistance, providing 24-hour UK and European roadside assistance, recovery and associated services; and by a 6-year perforation warranty on Jimny and 12-years perforation warranty on all other Suzuki models.
- On the road prices include VAT, delivery to dealer, number plates and First Registration Fee.
- ESP® is a registered trademark of Daimler AG.

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