



2011 Singer 911 Standard and Optional Specification

Chassis and Body

Singer Vehicle Design purchases fully road legal pre-1994 Porsche 911 Coupes for the basis of construction. When its transformation is complete, the newly born Singer 911 retains the Vehicle Identification Number (VIN) of its donating 'parent' 911 and is legally registered, operated and licensed in the same manner. We see this process as a modest contribution to the recycling culture and one by which old 911s are reclaimed and perhaps saved from an uncertain future.

- The cars are comprehensively stripped and the monocoque (unibody) is cleaned and media blasted to bare metal and then treated for rust prevention.
- All bodywork to be replaced is stripped from the car and the chassis receives additional welding and strengthening in preparation for its new bodywork.
- The windscreen wipers are relocated to the central position found in the later 993 series cars where their efficiency is vastly increased.

The unique Singer 911 carbon fiber bodywork is constructed from premium 'pre preg' carbon fiber and is correctly vacuum bagged and baked to a temperature of over 250 degrees. These are true carbon fiber parts benefiting from the attributes of extreme strength and light weight.

- The areas of the car that are replaced with carbon fiber parts are as follows:
 - Front fenders
 - Front bumper
 - Front hood (bonnet)
 - Rear fenders
 - Rear bumper
 - Rear engine deck lid/speed sensitive active rear spoiler
 - Roof (a carbon roof is not fitted if a sunroof is specified)

Note: The doors remain in steel in order to retain side impact resistance as they contain the impact safety beams fitted on later model 911s.
- The front spoiler is constructed from a flexible urethane with a black textured finish.

- The lower rockers and lower rear valances are constructed from a high temperature resistant urethane with a black textured finish.

Chassis and Body Options

1. Fully integrated roll hoop upholstered in padded leather.
Chassis integrity and roll over security is further enhanced by an optional bolt mounted internal roll hoop that recalls the versions used in the racing 911s of the '60's and '70's. The Singer version is correctly padded and upholstered in leather to complement the interior.
2. Fully integrated roll cage upholstered in padded leather.
A fully welded and correctly integrated, race specification roll cage can be specified for drivers wanting the ultimate in chassis stiffness and security for track use. This cage is padded and upholstered in leather to complement the interior.
3. Fully integrated harness bar.
Drivers wishing to use multi point harness belts on road or track can specify an optional harness bar that also offers additional torsional integrity. This bar is welded and integrated into the shell and remains hidden until needed behind the rear seat backer.
4. Front and rear strut bracing and gusseting.
Strut bracing and gusseting in the front luggage compartment and engine compartment radically stiffen and strengthen the chassis for ultimate sporting control by connecting and bracing the strut towers and minimizing deflection. This strut bracing and gusseting recalls the weld in parts Porsche pioneered in the '60's and '70's on the racing 911s of the period and when combined with the presentation packages also available bring a clean, functional, race bred chic to these important areas of the car.
5. Seam welding of key chassis areas.
To further increase stiffness and integrity, critical seams in the chassis can be stitch welded. This additional structural integrity brings benefits in precision and suspension control for ultimate performance situations on road and track.
6. External center fill gas cap with fuel safety cell
An ultra safe, racing standard fuel cell is available as an option with a milled and polished aluminum filler cap that protrudes through the front hood in the style of the racing 911s from the '60's and '70's allowing easy fueling from either side of the car. For additional safety and security a secondary locking cap is located underneath.
7. External rear fender mounted oil filler cap
A similar arrangement on the passenger rear fender may be specified where a milled polished aluminum oil cap protrudes through the bodywork accessing the oil tank located below. This feature is inspired by the racing 911R of 1967 and the 1972 model year production 911s.
8. Carbon fiber roof.
The electric sliding sunroof provided as standard equipment can be replaced with an optional carbon fiber roof.

9. Hood and deck lid hinges in perforated and polished aluminum.
The regular steel hood and deck lid hinges can be replaced with optional lightweight aluminum hinges.
10. The bumperettes mounted to the rear bumper can be either chrome plated like the original '60's 911s or can be painted body color as seen on the RS and RSR Lightweights of the early '70's at no extra charge

Aerodynamics

The Singer 911 boasts superior high-speed stability through the use of newly developed front and rear spoilers.

- The front spoiler is a fixed, flexible urethane unit while the rear spoiler is an active, speed sensitive unit that rises into position at 60 mph and recalls the classic 'ducktail' from the 1973 Carrera RS.
These spoilers have black detailing like the Turbo Carreras of the 1970's and '80's while the rear spoiler boasts a '60's inspired delicate chrome plated grill under which a tinted acrylic screen allows views of the engine.

Engines

- The engines in the Singer 911 are based on 3.6L air cooled units fitted to the 911 from 1990.
- These engines are comprehensively stripped and then meticulously blue printed, balanced and hand built using new or state of the art componentry. There is a choice of three engines, all with specific characters and capacities from 3.6 L to 3.9L with an ultimate power range of 300-425BHP . They benefit from true state of the art breakthroughs in cylinder head design, construction and engine management and successfully optimize every facet of the classic air cooled flat six.
- We say with confidence that these are the most advanced, powerful, efficient and reliable air-cooled engines that are currently possible to build.
- Engine Options:
 - 300BHP
 - 380BHP
 - 425BHP

Exhaust

- The Sport muffler is a unique lightweight stainless steel design optimized both for sound and the power characteristics of the uprated engines. It has twin center exit pipes and is ceramic coated in matte silver gray with contrasting polished tips and support straps.
- Heat for the car is provided via heat exchangers in the exhaust manifolds that utilize heat generated by the engine in the time honoured 911 fashion.

Exhaust Option

As an option, any of the three engines can be specified with a newly developed lightweight stainless steel header system that has been optimized for the power characteristics of the updated engines. This system is free from the restrictions of the standard heat exchanger system with benefits in throttle response, torque characteristics and light weight. If this option is chosen, heating for the car is supplied by a separate ESPAR heating module that interfaces with the cars existing HVAC system.

Transmission

The Singer 911 utilizes the 5 speed Getrag G50 transmission from the 964 series cars and comes with the option of a limited slip differential.

- A 6 speed Getrag G50 transmission from the 993 series cars with close ratio gear sets and limited slip differentials is available on all three engine options at extra cost.
- These transmissions are comprehensively stripped and rebuilt to exacting tolerances with new components.
- The ratios chosen for each engine configuration offer an excellent balance between performance, refinement and touring economy.
- The shift linkage is newly developed and results in an oiled, 'rifle bolt' tactility that transforms the shift quality of these robust gearboxes.
- A single mass flywheel and carbon twin-plate clutch are fitted.

Transmission Options

1. Limited slip differential for 5 speed G50 transmission.
2. Close ratio 6 speed transmission.

A close ratio 6 speed Getrag G50/LSD unit is available as an option. This gearbox has ratios specially chosen to maximize the power potential from the engine for ultimate sporting and track use.

Electrical

- The electrical system of the car is extensively updated with new technology.
- A remote control central locking system is standard.

Lighting

- The primary lighting on the car is radically updated using state of the art Hella Bi Xenon headlight units that have been incorporated into newly developed headlight housings.
- Newly developed lightweight polycarbonate headlight lenses are used to replace the original glass units.
- The secondary lighting at the front of the car is presented with early 911 style corner lights and the addition of Hella fog/driving lights.

- The corner lights and fog/driving lights are incorporated into newly developed lightweight housings and all the lenses are replaced by new polycarbonate units.
- The lighting specs at the rear of the car stay true to the donating 'parent' vehicle with the addition of new lightweight housings and new lenses.

Glass, and Exterior Trim

- The glass on the Singer 911 remains as original and retains its subtle green tinting.
- Standard window frame finish is polished aluminum protected by a clear ceramic coating giving a slightly dull understated bright finish. This recalls the standard finish on 911s through the early '70's. The rest of the exterior bright work is finished in the highest quality chrome plating.
- The exterior door mirror is a newly developed design evoking the classic 'bullet' racing mirrors of the 1960's and often seen on racing 911s of the period. It is mounted through the quarter window and its angle can be adjusted via a joystick inside the car.

Exterior Trim Options

1. Passenger side remote adjustable door mirror.
An optional remote adjustable passenger side mirror can be specified.
2. Nickel plating.
As an option, the doorframes and all the exterior bright work can be nickel-plated. This plating is very special and provides the bright work with an extremely subtle golden glow.

Suspension

- The standard suspension features uprated Bilstein adjustable dampers and coil over springs.
- The aluminum rear trailing arms are retained and all bushings, connectors and front and rear sway bars are replaced by state of the art units
- The standard suspension is specified and set up to offer an excellent compromise between daily usability and sporting potential. It is specified and tuned to provide a compliant, quiet and comfortable ride on the street while still offering great control during fast road use.
- The advanced damping system allows a degree of adjustment whereby the driver can either stiffen or soften the valving in the dampers, thus fine-tuning the suspension further.

Suspension Option

Sport suspension package.

An optional Sport suspension package is available. This system is specified and set up to give ultimate control and driver feedback during high performance road and track driving. At the center of this set up are state of the art Ohlins dampers that are adjustable for bump and rebound. The addition of lightweight

EVO uprights from the racing 993 models further increases precision and unsprung weight. The anti sway bars are uprated units from the 964 RS, and these along with additional suspension components allow greater adjustability while the advanced damping system can be further stiffened or softened depending on usage.

Steering

- The steering on a 911 has long been heralded as one of its finest features and we have specified that rack and pinion system as standard due to its light weight and simplicity.

Brakes

- The Singer 911 uses the complete braking system from the 993 series cars including 4 piston Brembo calipers and drilled rotors. .
- The braking system benefits from complete servo assistance for ease of use.
- All brake lines are braided stainless steel and additional cooling for the front brakes is achieved through the apertures in the front bumper.

Brake Option

Big brake upgrade.

An optional upgraded braking package is available. This system utilizes the 'Big Red' Brembo calipers and rotors from the 993 Turbo and provides even greater stopping power and resistance to fade and is geared towards ultimate fast road and track performance.

Wheels and Tires

The Singer 911 uses newly developed 17" forged aluminum three-piece wheels in the style of the iconic Fuchs wheels designed in the 1960's. These wheels are extremely strong and lightweight.

- Wheel Sizes: 9"x17" front and 11"x17" rear.
- The wheels can be ordered with or without center caps at no extra charge.
- The wheels can be ordered with either closed black anodized aluminum lug nuts or with extended wheel studs and open aluminum lug nuts at no extra charge.
Note: Running these wheels without center caps and long studs gives a very track inspired look and again recalls the racing 911s of the 1960's and '70's.
- The wheels can be specified in one of four specially anodized and painted finishes all based on the iconic Fuchs wheels fitted to the 1973 Carrera RS and RSR at no extra charge:
 - Finish 1: Polished lips, rough anodized barrels and spokes with satin black background (as seen on the Singer Concept 911).
 - Finish 2: Polished lips, rough anodized barrels and polished spokes with satin black background.

- Finish 3: Polished lips, rough anodized barrels, satin black spokes and background.
- Finish 4: Polished lips, rough anodized barrels, with spokes and background painted in contrasting color.
- Tires are 225/45 x 17 front and 275/40 x 17 rear Michelin Pilot Sport PS2.
- A performance and track biased R Compound tire that is also road legal can be specified at no extra cost. These tires are designed for ultimate performance in dry and damp conditions and are not recommended for use in rain or standing water. Tire sizes are 235/40 x 17 front and 275/40 x 17 rear - Michelin Pilot Sport Cup or Falken Azenis RT 615

Wheels and Tires Option

Second set wheel and tire package.

Customers can specify an additional set of wheels in any finish fitted with the track biased tires. This option is for owners who drive their cars regularly on the road but also need a practical and easily accessed wheel/tire combination for the track.

Seats

- The seats are reimagined to recall the low backed Recaro sports seats of the '60's and '70's.
- They have 4 way electrical height adjustment and manual recline and tilt functions and come fitted with adjustable headrests. We have strived to produce a seat that is both supremely comfortable and supportive while offering the peak of period elegance.
- They are compatible for use with either the standard seatbelts or the optional Schroth racing harnesses.
- The seats come upholstered in leather available in a wide choice of colors.

Rear Seats

The rear seats are upholstered in the same manner as those in front and feature dual backrests that fold down to provide additional luggage space.

Doorsills, Rear Seat Pan and Transmission Tunnel

The side sills, rear seat pan area and the central transmission tunnel come upholstered as standard in hardwearing German weave carpet that is available in a number of colors which complement the leather upholstery.

Additional Upholstery

- The doors, armrests, rear quarter panels, luggage shelf and dashboard insert all come upholstered in the same shade and grade of leather as the seats.

- The upper and lower dashboard, door tops, top rolls, and rear parcel shelf rolls are finished in black leather.
- The sun visors are upholstered in ivory and black leather.
- The headlining is upholstered in hardwearing perforated ivory vinyl in the manner of 911s of the 1960's and '70's.
- The front luggage compartment is upholstered in hardwearing German weave carpet to match the standard carpeting in the interior.

Steering Wheel

The classic 380mm Carrera RS wheel of 1973 is standard fitment on the Singer 911. It comes with the classic 'butterfly' horn push assembly and a leather wrapped delicate thin rim to complement the legendary steering feel.

Gauges

The gauges in the Singer 911 are presented in the classic off-white on black background found on the early 1970's 911s. The speedometer is renumbered and recalibrated to 180 mph.

- The gauges are presented in the classic 5-gauge display:
 - Gauge 1 – Fuel and Oil Level
 - Gauge 2 – Oil Temperature and Oil Pressure
 - Gauge 3 - Tachometer
 - Gauge 4 - Speedometer
 - Gauge 5 – Clock

Windows

The driver and passenger side windows are electrically operated. Note: As a weight saving measure, manual window winders can be specified at no extra charge.

Central Locking System

A remote central locking system is standard equipment.

Radio

The classic Blaupunkt Frankfurt radio from the early 1970's is standard equipment. These radios are essential equipment in an early 911 interior and complement the dash like no other head unit. These radios are thoroughly restored and come complete with power amp and state of the art speakers.

Interior

- The Singer 911 comes with a bespoke interior that recalls the 1960's and '70's, the golden age of 911 décor. Huge attention to detail has been paid to presenting an interior rich in ambiance and impeccable detailing.
- This interior treatment can be personalized in a number of different ways through the selection of certain optional materials and fittings. These items can alter the character of the interior towards a luxury or sporting intent or indeed any combination of the two.

Interior Options

1. Carbon fiber lightweight track seat.
A heavily bolstered one-piece carbon fiber track-biased seat is available which offers extreme thigh and upper body support along with a fully adjustable headrest. This seat is constructed as a single shell from carbon fiber and is both immensely strong and light, and while functional, appears elegant and period correct. It comes upholstered in leather and is compatible with the Schroth harnesses that are available as an option. These track seats can be ordered individually (for example, for the driver retaining the standard passenger seat) or as a pair and are priced individually.
2. Brass seat grommets.
Both the Sports seats and the optional Track seats can be specified with brass ventilation grommets that recall the Scheel race seats from the 1967 911R. These grommets are inlaid in the leather bottom and backrest and aid cooling.
3. Rear seat belts.
Rear seat belts can be fitted as an option.
4. Interior paneling in leather.
The whole of the lower interior cabin (rear seat pan, transmission tunnel and side sills) can be lined in a 'second skin' of lightweight composite material and wrapped in leather. In the rear compartment, a fold down luggage shelf doubles as a backrest when not in use (replacing the individual rear backrests), discreetly covering an area behind that houses the fire extinguisher and the integrated harness bar and harnesses if specified.
These panels when upholstered in leather bring a rich, 'gentleman's express' atmosphere to the interior that is both restrained and luxurious. If this option is chosen, the footwells at the front and rear remain carpeted.
5. Interior paneling in painted body color.
This composite second skin can be finished in the same color as the car's exterior, bringing a dramatic and race bred flavor to the interior. If this option is chosen, the front and rear footwells can remain carpeted or the carpet can be replaced with rubber mats at no extra charge.
6. Leather upgrade packages.

- Leather Upgrade Package 1 (Embossed).
The leather on the seat facings, doors, rear quarter panels, luggage shelf and dashboard inserts can be specified in one of three embossed patterns that recall the vinyl basketweave used by Porsche in the 1960's and '70's. This gives a subtle textural complexity to the interior and contrasts well with the perforated side bolstering on the seats. This option is available with the optional brass grommets.
 - Leather Upgrade Package 2 (Leatherweave).
The leather on the seat facings, doors, rear quarter panels, luggage shelf and dashboard inserts can be specified in genuine leatherweave. This technique blends many thin strands of leather into a beautiful tapestry, which reimagines the basketweave vinyl interiors of period Porsches in an updated and luxurious fashion. This leather is both sporting and lavish and lends the cabin an air of sophistication and distinction. Leatherweave is combined with perforated leather on the seat bolsters and is available with the optional brass grommets.
 - Leather Upgrade Package 3 (Suede).
All the leather in the interior can be presented in genuine suede in a choice of 12 rich colors. This gives the interior a chic workmanlike 'Clubsport' glamour that is both beautiful and extremely functional and hardwearing. The suede option can be perforated, embossed, blended as leatherweave or enhanced with brass grommets at extra cost.
7. Schroth Racing 4-point harness.
Optional 4-point Schroth racing harnesses are available and can be specified individually. These harnesses are discreetly packaged behind the rear seat backrests. The harnesses are available in black only and come with the Schroth logo embossed in premium black leather.
Note: The Schroth harnesses require the specification of the integrated harness bar.
 8. 350mm MOMO Prototipo Nuovo: This is the thick-rimmed classic steering wheel used on many motorsport Porsches during the 1960's and '70's from 911s to 917s. We have reimagined and subtly refinished the wheel and wrapped it in premium leather and present it as our 'Nuovo' version. It comes with a bespoke polished aluminum horn button with the Porsche crest embossed in black leather.
 9. 350mm MOMO Monza Nuovo: The Monza was another classic competition wheel seen on many sporting 911s in the 1960's and is characterized by its deletion of thumb pads. Our 'Nuovo' reinterpretation of this wheel sees it reimagined with a smaller diameter, deeper dish and a thinner rim wrapped in premium hide. It comes with a bespoke polished aluminum horn button with the Porsche crest embossed in black leather. Note: This wheel is fitted to the Singer Concept 911.
 10. 360mm RSR steering wheel: The daddy of them all. Double wrapped in premium leather and with the famous 'hockey puck' horn button embossed with the large Porsche crest, this wheel saw competition in many of the great 911s especially the STs and the RSRs of the early 1970's in its original

380mm size. We have totally recreated this superb wheel with a smaller 360 mm diameter and endowed it with a thicker rim for ultimate control. The ultimate steering wheel for any 911.

11. Heuer chronograph clock.
As an option, the clock can be presented in the manner of a Heuer chronograph from the 1970's. Before being acquired by the TAG brand, Heuer was a company synonymous with Porsche motorsport in the 1960's and '70's.
12. Tachometer presentation.
As an option, the tachometer can be calibrated to 11,000rpm and finished in Singer Racing Orange to add subtle contrast to the gauge cluster.
13. GPS navigation system.
An optional GPS navigation system is available that is discreetly packaged in the dashboard when not in use.
14. Aluminum sill plates with polished and anodized PORSCHE lettering.
The driver and passenger aluminum threshold sill plates can be specified in polished/anodized aluminum with a raised and polished PORSCHE script (as seen on the Singer Concept 911).
15. Manual window winders.
Manual window winders can be specified at no extra charge.
16. iPod/iPhone connectivity.
The Blaupunkt Frankfurt head unit can be configured to work seamlessly with an iPod or iPhone with a simple connectivity docking device discreetly hidden when not in use in the area usually reserved for the ashtray.
17. Engine Compartment Presentation Package.
The interior of the engine compartment can be highly detailed and painted in the same color and high gloss finish as the exterior, giving the engine bay a clean, dramatic race inspired feel which perfectly frames the beauty of the flat six motor. This presentation package is complemented by a diamond quilted waterproof leather sound pad that helps reduce engine noise in the interior and further increases the glamour of the powerplant.
18. Luggage Compartment Presentation Package - Painted.
The regular carpeting in the luggage compartment can be replaced with a detailed and high gloss painted finish similar to the engine presentation package, bringing a dramatic race bred flavor to this part of the car. This is again combined with diamond quilted waterproof leather covering the HVAC equipment (this upgrade works well in conjunction with the painted interior paneling and Engine Compartment Presentation Package options in bringing a glamorous, vintage racing chic to the whole machine).
19. Luggage Compartment Presentation Package - Quilted Leather.
The complete luggage compartment can be upholstered in diamond quilted waterproof leather to bring a rich and luxurious feel to this part of the car and provide an environment fit for the most exclusive luggage (this upgrade works well in conjunction with the leather upholstered interior paneling option presenting the atmosphere of a sporting gentleman's express).

Color

We have meticulously researched and blended a number of colors which we feel complement the classic curves of the Singer 911 and recall some of the vivid hues Porsche pioneered in the 1960's and '70's. These are all available at no extra charge. Singer uses only the finest Galsurit color bases and clearcoats, ensuring a beautiful and durable finish.

Color Options

1. **Paint to sample.**

We can provide a 'paint to sample' service whereby the customer supplies a sample of the color he/she desires and we match that color and paint the car accordingly.

2. **Racing side stripes.**

Side striping that recalls the 911's 1960's and '70's racing heyday are available as an option. The line striping of this option is always in a tone slightly lighter or darker than the exterior body color and matches the standard striping on the bumpers. Customers have the added option of specifying the PORSCHE script rendered in either the same color as the lines or in one of 12 contrasting colors that vividly (or subtly) complement the body color.

This striping option can be seen on the 'Racing Orange' Singer 911 Concept where the line stripes appear in a lighter shade of orange and the PORSCHE script is rendered in contrasting green (PORSCHE lettering in contrasting color at no extra charge).

Note: The PORSCHE script on the rear deck lid will be rendered in the same color as that chosen for the sides. If the striping option is not selected, this script can be rendered in the same color as the standard bumper stripes or in one of 12 contrasting colors at no extra charge.