

S U P R A



1 9 8 6

WHO TOYOTA
COULD ASK
FOR ANYTHING
MORE!

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TOYOTA

S U P R A

MOST CARS CAN BE EASILY EXPLAINED.
A FEW CANNOT.
THE ALL-NEW SUPRA IS ONE OF THOSE EXCEPTIONAL
MACHINES THAT HAS TO BE DRIVEN
TO BE UNDERSTOOD AND APPRECIATED.
YOU MUST FEEL THE SUPRA EXPERIENCE FOR YOURSELF.

SUPRA'S PERFORMANCE:
A FLEXIBLE AND SMOOTH POWER CURVE
THAT CLIMBS AND CLIMBS AND SEEMS
TO HAVE NO LIMIT.
AS SUPRA ACCELERATES, YOU DISCOVER
ITS DYNAMIC STABILITY.
BOTH FRONT AND REAR SUSPENSIONS ARE
A RACE-BRED DOUBLE WISHBONE CONFIGURATION.
SUPRA'S STEERING, BRAKES
AND THROTTLE RESPOND EAGERLY
AND CONFIDENTLY TO YOUR COMMANDS.

SUPRA'S INTERIOR:
A REFINED, HIGH-PERFORMANCE
DRIVER'S ENVIRONMENT.
THE CONTROLS COMPLEMENT YOUR SKILLS AND
WORK WITH YOU IN PERFECT BALANCE.
TOYOTA HAS CREATED ONE OF THE WORLD'S
MOST DESIRABLE SPORTS CARS.
THE SUPRA DYNASTY BEGINS.



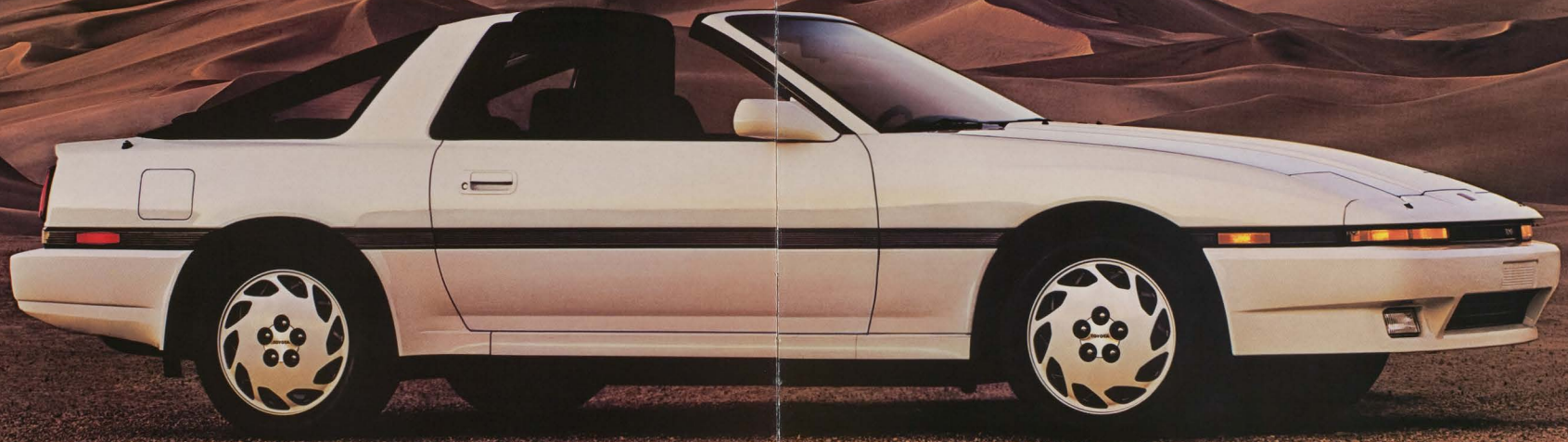
SUPRA WITH SPORT ROOF

S U P R A

T H E S T Y L I N G

A E R O D Y N A M I C

SUPRA CHEATS THE WIND—
0.33 COEFFICIENT OF DRAG.



SUPRA WITH SPORT ROOF

A D V A

N C E D



AERODYNAMIC DESIGN

It started with a goal. Toyota engineers wanted to create a car with traditional Toyota quality that would also be one of the best sports cars available. The objective was clear: create a car with striking performance and styling, inside and out.



DESIGN SKETCHES

The result? Supra. A true sports car with the best combination of features that Toyota engineers have ever put together.

AERODYNAMICS

Supra's sleek design springs from aerodynamics, the science of controlling the airflow around the body in order to reduce turbulence and power-robbing drag. Supra's aerodynamics were born at the design stage, when engineers could pay careful attention to the details of flush surfaces and smooth transitions between planes of the body surface.

The careful work paid off. Supra's wind-cheating design has a drag coefficient of only 0.33. To get this kind of performance, Supra's designers created a front profile that

pierces the air cleanly, subtly directing the layers of air around its smooth bumpers and over the flush covers of



0.33 DRAG COEFFICIENT

the retractable headlamps. No detail was ignored: Supra's engineers included a front air dam to direct air around the lower sides of the body and an engine underpan to help reduce power-robbing drag beneath the car. Careful attention to the design of the optional Sport Roof assured flush-fitting surfaces, while still providing the option of open-air motoring. And Supra's windshield was raked back at an angle of 63 degrees to quiet airflow even with the optional Sport Roof removed. In addition, contoured fenders and a pinched-waist design were combined with the distinctive fastback to control the layers of air as they flow along the body surfaces, while the design of the rear deck breaks off the airflow with minimum turbulence and drag.

SUSPENSION

Under Supra's beautiful aerodynamic body, you'll discover a suspension system designed to hug the road, bearing a striking resemblance to the suspension of a Formula One or Indianapolis race car.

Supra features double wishbone design suspension for both the front and rear wheels. The suspension was developed from racing technology and refined using Computer Aided Design to incorporate in the design the stresses imposed on the suspension under actual driving conditions. As a result, engineers were able to

create a low roll center and to keep the tires at the proper geometry for optimum traction. The payoff is road-holding performance that puts Supra truly among the best available.

At the same time, Supra's suspension was also designed to minimize vibration, improve straight-line control and provide precise cornering. The double wishbone suspension design produces high rigidity to maintain high-speed performance but still provides a suspension that is comfortable for the passengers.

POWERTRAIN

Supra's engineers have created an engine that's as formula-car inspired as its chassis: a pent-roof 6-cylinder twin cam 24-valve engine that produces 200 hp at 6000 rpm. A 5-speed manual overdrive transmission, or an optional electronically controlled 4-speed automatic overdrive transmission, teams with an optional limited-slip differential from the Sports Package to transmit all that power to the road.



SLEEK LINES

Toyota's engineers met their challenge in Supra. Supra defines what a modern sports car can be. From its aerodynamic design to its sophisticated chassis, the Supra is truly a world-class performer.

Shown with optional equipment. See Features chart for details.

S U P R A

T H E P E R F O R M A N C E

R E S P O N S I V E

SUPRA: PERFORMANCE WITHOUT
COMPROMISE—0-60 IN 7.33 SECONDS*



SUPRA
*Independent test results.

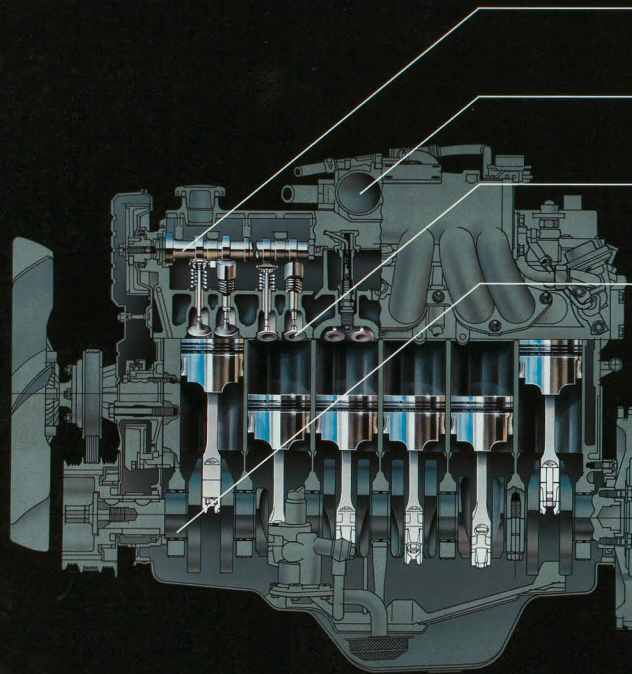
D Y N A M I C

TWIN CAM DESIGN—No other design is acceptable for a free-breathing, high-revving performance engine. The twin camshafts act directly on the valves, providing precise control even at 6500 rpm.

ELECTRONIC FUEL INJECTION—The Toyota Computer Controlled System (TCCS) uses a computer to control fuel delivery and meet the exact fuel and ignition requirements of the engine.

24 VALVES—Give the kind of power output one normally associates with turbocharging. The design allows smaller, lighter valves and permits higher engine speeds and improved performance. An innovative Intake Air Control System improves engine breathing and power output.

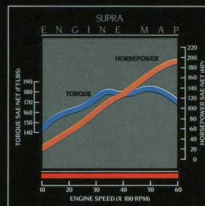
BROAD POWER BAND—Supra develops its torque over a wide range of engine speeds: between 1200 rpm and 6400 rpm, torque is always at least 80% of maximum.



TWIN CAM 24-VALVE

Supra's full 30 liter powerplant is a smooth 6-cylinder twin cam 24-valve engine. No other configuration provides the solid torque and breathing-taking performance that Supra offers.

You don't even have to study the charts to know that a twin cam 24-valve engine means more power: 200 hp at 6000 rpm and 185 ft-lbs of torque at 4800 rpm place Supra squarely in the world-class performance category; and that means superb efficiency and a level of effortless performance you may never have experienced before.



24 - VALVE HEAD

Supra's engineers decided to use 24 valves for six cylinders in order to create a high-revving engine that's very efficient, even at maximum engine speeds. Using four valves per cylinder (two intake and two exhaust) increases the high-speed efficiency of an engine. It improves volumetric efficiency; the engine breathes easier because the total valve opening area is increased. As a result, Supra's engine develops more power for its size.

With smaller, lighter valves and twin overhead cams, reciprocating weight is reduced because the size of



each component is reduced. Thus, the engine can rev more freely and achieve higher rpm.

The result of Supra's twin cam 24-valve design is a raw power output that traditional engines just can't match—and the payoff is effortless cruising at high speeds, plenty of power for passing and surprising fuel efficiency.*

However, Toyota's solution is even more elegant than just twin cams and multiple valves, because it goes one step beyond. In addition to a 24-valve design, Supra's engineers have further improved valvetrain lightness and responsiveness by eliminating the rocker arms. Supra's camshafts operate directly on the valves for maximum efficiency, and allow the engine to reach speeds of 6500 rpm.

ELECTRONICS

Supra's engineers were not satisfied with a brilliant mechanical design for the engine, however. They also included an electronic brain, the Toyota Computer Controlled System (TCCS), to extract even more efficiency from Supra's new 24-valve

engine. The Toyota TCCS system utilizes 12 electronic sensors that monitor the significant factors that affect the engine's operation and then modify the electronic fuel injection and ignition system to achieve optimum performance. TCCS is called a "closed loop system"; that means that it continuously analyzes combustion and determines if any changes in ignition timing or injection duration need to be made. An oxygen sensor in the exhaust manifold is used to measure how well fuel is being burned. With this information, TCCS automatically corrects the fuel mixture and ignition timing for peak



SUPRA PERFORMANCE

efficiency. TCCS even checks itself for proper operation to provide the reliability you've come to expect from Toyota.

When you add up all the technical achievements that have been built into the Supra, you realize that Toyota's engineers more than achieved their design goals: Supra is a car that is technically brilliant, as few other modern cars are. Moreover, the brilliance applies to the whole car, rather than just a single item. And, most importantly, all the technical brilliance has worked together to create a car that can thrill you with its performance.

*See EPA mileage statement on Specifications page.

Shown with optional equipment. See Features chart for details.

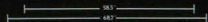
I N N O V A T I V E

INDEPENDENT SUSPENSION

Supra introduces race-bred 4-wheel independent double wishbone suspension with negative camber to maintain maximum tire contact with the road under all conditions.



FRONT SUSPENSION



REAR SUSPENSION

COMPUTERIZED RIDE

The optional Toyota Electronic Modulated Suspension System (TEMS) provides computer control of the shock absorbers. A 2-mode switch selects either "Normal" mode for maximum riding comfort, or "Sport" mode for spirited driving.

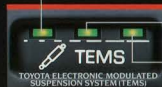
Soft—Helps maintain control and comfort on rough roads, and reduces road input on stretches of freeway.

Medium—Provides stability, while still smoothing occasional road shocks.

Firm—For high-performance work when stability is essential, and maximum road feel is critical.



UNI-DIRECTIONAL ALLOY WHEELS & RADIAL TIRES



TOYOTA ELECTRONIC MODULATED SUSPENSION SYSTEM (TEMS)

EXCEPTIONAL HANDLING

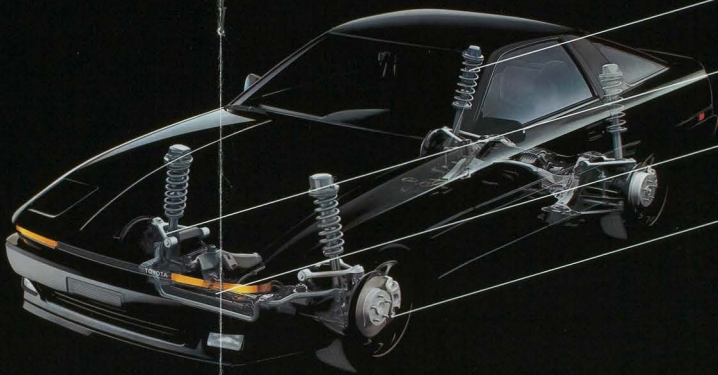
Uni-directional 16" aluminum alloy wheels are a production-car first for Supra. The rims are designed to provide more cooling airflow for the ventilated disc brakes, and are designed specifically for either the "right only" or "left only" sides of the car, as are the 225/50VR16 uni-directional Goodyear Eagle GT "Gatorback" speed-rated steel-belted radial tires. It's a no-compromise design that helps give Supra its race-car cornering performance of 0.875g.

SPORTS PACKAGE

Supra's optional Sports Package includes TEMS, headlamp washers and a limited-slip differential that directs power to the rear wheels. Under all conditions—rain, snow and mud—both rear wheels transmit power.



LIMITED-SLIP DIFFERENTIAL



D O U B L E W I S H B O N E S U S P E N S I O N

Supra's suspension system allows each wheel to move independently and helps provide maximum stability while cornering, and also provides a comfortable ride.

The double wishbone suspension with stabilizer bars lowers Supra's roll center for better cornering and keeps the tires in maximum contact with the ground.

Separate front and rear sub-chassis contribute to a strong body, yet isolate passengers from most road noise and vibration.

Four-wheel ventilated disc brakes provide stopping power that's a match for Supra's performance potential.

Shown with optional equipment. See Features chart for details.

ACCELERATION

0-60 MPH • • • • • 7.33 SEC.

1/4 MILE • • • • • 15.80 SEC.

LATERAL ACCELERATION • • • • • 0.875g

BRAKING

60-0 MPH • • • • • 3.15 SEC.

DISTANCE • • • • • 122.73 FT.

0-60-0 MPH • • • • • 10.48 SEC.

*Independent test results.



S U P R A

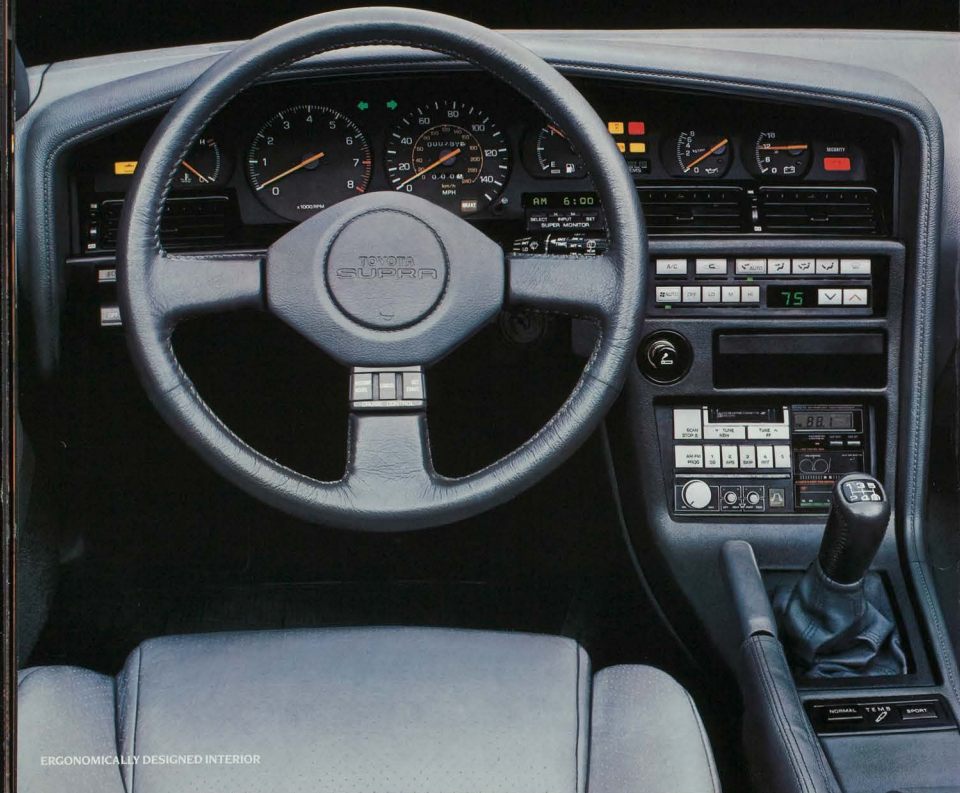
T H E I N T E R I O R

E R G O N O M I C



SUPRA LEATHER SPORT SEAT INTERIOR

C O M M A N D I N G

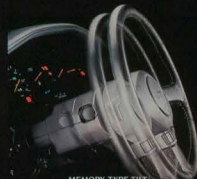


ERGONOMICALLY DESIGNED INTERIOR

Slip behind the wheel. You're in the performance car you first met in your dreams. This Supra can do it all. Scan the interior: full analog instrumentation; a steering wheel just waiting for your grasp; the gearshift at your fingertips.

ERGONOMICS

Beneath the quiet comfort of Supra's interior, there's the purposeful technology of a racing car. A Sport Seat that adjusts eight ways to hold—just you. A steering wheel that telescopes and tilts, and then remembers exactly your most comfortable steering wheel angle. Critical controls lie within a flick of your wrist, placed where you'd expect to find them. Supra's interior literally wraps around you, from the integrated door panel with side-window defrosters to the padded center console, which carries the controls for many of Supra's electronic features.



MEMORY-TYPE TILT TELESCOPIC STEERING WHEEL

As you sit before Supra's console, you switch on the electronic AM stereo/FM/MPX tuner with auto-reverse/full logic cassette deck, and acoustic flavor/tone control equalizer. Suddenly, you're surrounded with concert-hall sound from the four bass-reflex speakers built into Supra's interior. A touch of the flavor/tone control selects exactly the equalization curve for your favorite music.

Supra's unique diversity antenna measures the FM signal strength of both the traditional-type and window antennas, compares the values and



CLOTH SPORT SEAT INTERIOR

then automatically switches to the stronger antenna to ensure optimum reception.

Then, set your most comfortable interior temperature on Supra's soft-touch control panel for the climate control. Automatically, air is distributed to keep you comfortable, and your selected temperature is digitally displayed for a quick-glance reference.

ELECTRONICS

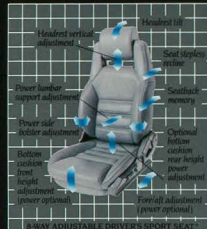
The optional Super Monitor is an on-board trip computer that keeps you informed as if you were running a world-class rally. You can read average fuel consumption in miles per gallon, the actual number of gallons consumed, the approximate number of miles remaining until empty. The Super Monitor also acts as a clock, calendar, stopwatch, timer and Service Interval Reminder. And all the information is right at your fingertip, displayed legibly on the instrument panel.

Supra's console carries the controls for the optional Toyota Electronically Modulated Suspension System (TEMS) and the electronically controlled 4-speed automatic override transmission.

CUSTOM SEATING

The standard 8-way adjustable driver's Sport Seat is a masterful prod-

uct of ergonomics, the science of fitting machines to man. Whether you select optional glove-soft leather or the comfortable velour cloth standard interior, standard power-assisted seat adjustments include side bolster and lumbar support. In addition, the headrest is adjustable for height and tilt, as is the bottom cushion height and the fore/aft movement of the seat. The seatback has two adjustment modes: stepless reclining and quick adjust for access to the rear seats. Optional power adjustments include: front and rear bottom



*8-way adjustable optional. Shown with optional equipment. See Features chart for details.

cushion height and seat fore/aft.

Supra's seats also provide more head room, and have more fore/aft travel than ever before. When you consider the high performance potential of the Supra, you understand why Toyota's engineers designed a driver's seat such as Supra's: it's the seat a top performer has to have.

Supra's Sport Seat interior is a match for the dazzling performance of its drivetrain. It's the kind of interior you must have in a world-class performance car.

S O P H I S T I C A T E D

HIGH-PERFORMANCE STEREO

Supra's electronic AM stereo/FM/MPX tuner with auto-reverse/fill logic cassette deck and cassette tuner/tone control equalizer surrounds you with sound from its four bass-reflex speakers. Five different equalization curves assure that your selection of music sounds just right.



BASS-REFLEX SPEAKERS

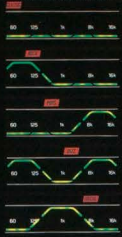
BASS-REFLEX SPEAKERS

Four bass-reflex speakers surround you with thrilling sound. The front enclosures are 2 liters each; the rear enclosures are 3 liters for superb bass response.



ELECTRONIC AM STEREO/FM/MPX TUNER, CASSETTE AND ACOUSTIC FLAVOR/TONE EQUALIZER

EQUALIZER SETTINGS



MIRROR CONTROL



POWER WINDOWS AND DOOR LOCK CONTROLS



POWER REMOTE CONTROLLED MIRRORS WITH DEFOGGER

CONVENIENCE

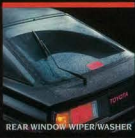
Supra's convenience features include power remote-controlled heated outside rearview mirrors, door-mounted power windows and door lock controls, power operated retractable headlamps and rear window wiper/washer. A soft-touch climate control system lets you dial in the temperature you want, and then forget it.



AUTOMATIC CLIMATE CONTROL AIR CONDITIONING



RETRACTABLE HALOGEN HEADLAMPS



REAR WINDOW WIPER/WASHER

THEFT DETERRENCE

Supra's standard Theft Deterrent System helps Supra take care of itself when you're not around. The system is automatically activated when you lock the door. When it detects an intruder, it flashes the headlamps and turn indicator lamps, sounds the horn and disables the starter.



THEFT DETERRENT SYSTEM

SMOOTH CRUISING

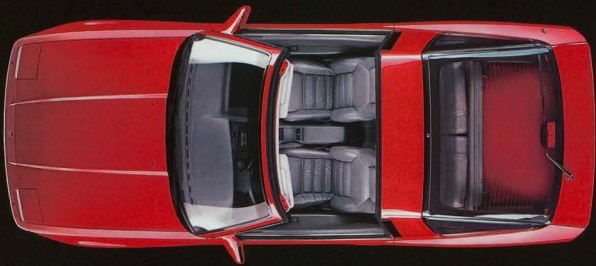
There's silky smooth shifting with Supra's standard 5-speed manual overdrive transmission. Its ratios are selected to give brisk, acceleration and comfortable driving. The cruise controls to set the speed are mounted on the steering wheel for easy use.



5-SPEED MANUAL OVERDRIVE TRANSMISSION



CRUISE CONTROL



REMOVABLE SPORT ROOF

FRESH-AIR MOTORING

An optional Sport Roof gives you the choice of fresh-air motoring or the comfort of a closed car. And changing your mind is easy: the four security bolts that hold the roof are easily detached and the roof can be stored in the rear cargo area.



SPORT ROOF STORAGE



ELECTRONICALLY CONTROLLED 4-SPEED AUTOMATIC OVERDRIVE TRANSMISSION



OPTIONAL POWER SEAT POWER 7 ADJUSTMENT



OPTIONAL POWER SWAY CUSHION HEIGHT ADJUSTMENT

CUSTOM SEATING

The driver's Sport Seat has a complete range of movements to fit your preferred driving position and is even more convenient with the optional power fore/aft and bottom cushion 2-way height adjustments.



TWO-TONE PAINT

S U P R A

T H E A D V E N T U R E

E X H I L A

R A T I N G

AROUND THE NEXT CORNER,
THE SUPRA DYNASTY BEGINS

SUPRA WITH SPORT ROOF





S A T I S F A C T I O N

THE TOYOTA TOUCH



What is the Toyota Touch? It's our commitment to you. When you purchase a Toyota car, truck, or van, we want you to derive more satisfaction and receive more value than anyone else can give you. Toyota dealers are committed to providing the extra effort, the special touch, that you deserve when you buy a Toyota.

The Toyota Touch begins with design and engineering that combine innovation, performance, reliability, styling, and economy in every Toyota. Our ongoing goal is to be the best in automotive technology.

The Toyota Touch means using advanced manufacturing techniques, including the most creative use of robotics, to ensure that the Toyota you purchase is in superb condition when you take delivery.

According to surveys of Toyota owners, the Toyota Touch has tangible value. Toyota cars receive the



highest rating among small cars for having the lowest incidence of recurring problems after one year of ownership* Toyota trucks and vans lead their class for owner satisfaction and are unsurpassed for excellence of condition at delivery, according to owners surveyed after one year of ownership**

But the Toyota Touch means more than product excellence. The Toyota Touch means that you come first, and that it's our commitment to make sure that you are well satisfied with your total ownership experience.

We provide a 12-month/125,000-mile basic new vehicle limited warranty that states, "...every Toyota is tested and inspected at every stage of manufacture and is also covered by Toyota's limited powertrain warranty of 2 years/24,000 miles." Electronic



and computerized components have a 3-year/36,000-mile limited warranty! But our commitment is even stronger than that.

The Toyota Touch is our way of doing business with you. It means that every step of the way, from your first visit or phone call to a Toyota dealer—through purchase and delivery—to after-sales service, we're committed to your satisfaction.

Get More From Life... Buckle Up!

*1985 J.D. Power & Associates Customer Satisfaction Index (for 1984 vehicles)
**1989 J.D. Power & Associates Customer Owners Satisfaction Index (for 1984 vehicles)
*See your Toyota dealer for warranty details.

WHO TOYOTA
CAN ASK
FOR ANYTHING
MORE!

FEATURES

S—Standard	O—Optional	Supra
PERFORMANCE		
3.0 liter 6-cylinder twin cam 24-valve engine		S
Computer controlled electronic fuel injection and ignition systems		S
Dual chrome-tipped exhaust		S
Close-ratio 5-speed manual override transmission		S
Electronically controlled 4-speed automatic override transmission with shift pattern selector and high-performance lock-up torque converter		O
4-wheel independent suspension: double wishbone with gas-filled shock absorbers and front and rear stabilizer bars		S
Sports Package—includes limited-slip differential, Toyota Electronic Modulated Suspension System (TEMS) and hoodlump washers		O
Power-assisted ventilated 4-wheel disc brakes		S
225/50R16 uni-directional Goodyear Eagle GT "Gatorback" high-performance steel-belted radial tires		S
Full-size spare tire with steel wheel		S
High center-mount rear stoplight		S
STYLING/DESIGN		
16" x 17" multi-directional aluminum alloy wheels		S
Color-keyed front and rear bumpers		S
Color-keyed front air dam with flexible lower edge		S
Dual integrated power remote controlled mirrors with defogger and wide-view passenger-side convex mirror		S
Retractable tonneau halogen headlamps		S
Integrated front halogen foglights		S
Semi-concealed vented anti-fog windshield wipers		S
Aerodynamic tinted side glass		S
Theft Deterrent System		S
Transparent wraparound wide protective side moldings		S
Front and rear mudguards		S
Rear window wiper/washer with intermittent control		S
Car covers		O
Front end mask		O
Two-tone paint		O
COMFORTS AND CONVENIENCES		
Rechargeable submetric coolant temperature and oil pressure gauges		S
Resettable tripmeter		S
Variable speed intermittent windshield wipers/washers		S
Soft-touch power-boosted Flo-thru ventilation		S
Digital quartz clock		O
Super Monitor (Trip Computer/Service Reminders)		O
Leather-wrapped 3-spoke steering wheel and shift knob/		S
Quick-ratio power rack-and-pinion steering		S
Memory-type fill and telescopic steering wheel		S
Crutch control		S
Soft-touch automatic temperature control air conditioning		S
Power windows and centrally controlled power door locks		S
Full console with storage area with padded armrest		S
Reclining front bucket Sport Seats with memory		S
Sport Seats with driver-side 8-way adjustment—including power pneumatic lumbar and power lateral support adjustments		S
Power Seat Package—includes driver-side power fore/aft and power 2-way vertical adjustments		S
Cloth Sport Seat trim		O
Leather Seat trim (see page 1)—includes leather Sport Seats, leather coordinated door trim and Power Seat Package		O
Roll-down spine rear seatbacks with security latch device		S
Carpeted floor mats and luggage compartment cargo area		S
Luxury carpeted floor mats with stitched Supra logo		S
Dual illuminated visor vanity mirrors		O
Remote fuel filler door and hatch releases with remote opener override		S
Courtesy interior lights—including map, glove box, ashtray, key illumination and rear cargo area lights		S
Automatic-off headlight system		S
Automatic illuminated lettering fade-out system		S
Tinted glass with upper shaded windshield band		S
Rear tinted glass shadelband		S
Electric rear window defogger		S
Retractable rear cargo area cover		S
Removable Sport Roof		O
Overhead dual maplights		S
Electronic AM stereo FM MPX tuner with 1 speaker, auto-reverse, full logic, cassette, amplifier and 5-way acoustic flavor/tone equalizer		S
Automatic diversity-type power antenna		S
16-speed model only		S

SPECIFICATIONS

	Supra
BODY, FRAME CONSTRUCTION	
	Unitized body with modular suspension subframe
STEERING TYPE	
	Power rack-and-pinion, collapsible shaft
BRAKES	
	Power-assisted ventilated 4-wheel discs
SUSPENSION FRONT	
	Independent double wishbone with gas-filled shock absorbers and spherical joint-type stabilizer bar
SUSPENSION REAR	
	Independent double wishbone with gas-filled shock absorbers and spherical joint-type stabilizer bar
ENGINE TYPE	
	6-cylinder twin cam 24-valve EFI
DISPLACEMENT	
	200 cc (6000 rpm)
HORSEPOWER (SAE NET)	
	185 hp @ 4800 rpm
TORQUE (SAE NET)	
	185 lb-ft @ 4800 rpm
EXTERIOR DIMENSIONS inches	
	102.2
	181.0
	68.7
	51.6
	58.5
	58.5
INTERIOR DIMENSIONS inches	
	37.5
	37.6
	33.9
	33.9
	43.6
	24.7
	52.5
	56.5
CAPACITIES	
	N/A
	N/A
	18.5
CURB WEIGHT (lbs)	
	3468
	3516
TIRES	
	Uni-Directional Goodyear Eagle GT
	Steel-Belted Radial
	225/50R16
EXTERIOR COLORS	
	Solid Colors: Maroon, Blue
	Solid Colors: Maroon, Gray, Red Pearl (Maroon, Gray)
	Metalls: Clear Coat
	Optional Two-Tone: Beige, Brown (Beige)
	Maroon (Maroon)
	Brown (Beige)
	Light Blue (Blue)
	Medium Blue (Blue)
	Black (Gray Beige)
MILEAGE ESTIMATES	
	5-speed Manual/Override
	ECT
	17/23
	4-speed Automatic
	16/23
N/A—Not available	
Specifications and equipment based on information available at time of printing and subject to change without notice. Some vehicles shown with optional equipment; see Features chart. For details on options, accessories and specifications in your area, contact your Toyota dealer. See 1986 Accessories Brochure for additional Toyota-approved Accessories.	