TOYOTA
1982 NEW MODEL HIGHLIGHTS

TOYOTA MOTOR SALES, U.S.A., INC.
2055 W. 190TH STREET
TORRANCE, CA 90504

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TOYOTA

Product Information

SUPRA

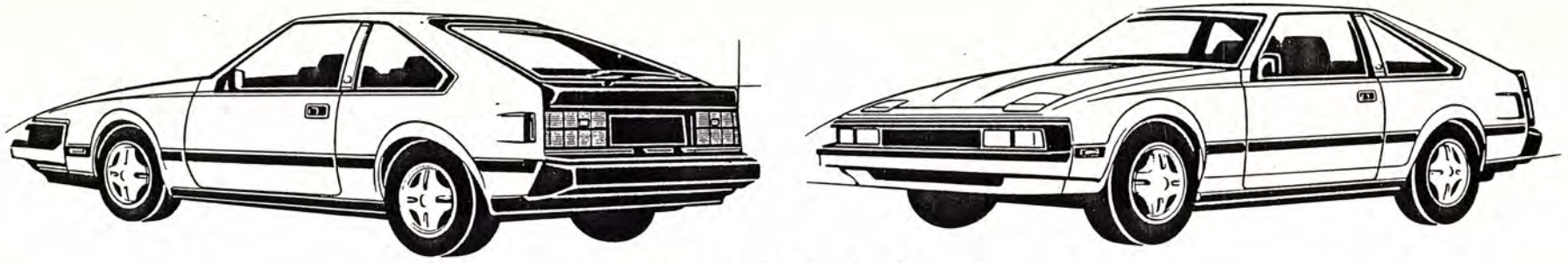
SUPRA MODEL LINEUP	
1982:	TRANSMISSION:
SUPRA	5SM
SUPRA "L" Type	5SM, 4SA

The all new Supra is Toyota's performance image leader offering a blend of styling and technical features with the responsive performance of a grand touring machine. Supra "L" Type offers the comfort and convenience of a personal luxury car.

MAJOR ADDITIONS/CHANGES

Exterior

- New European style wedge-shape body shell on a 103-inch wheelbase. The 1982 Supra sports a drag coefficient (Cd) of only 0.348.



1982 SUPRA "L" TYPE

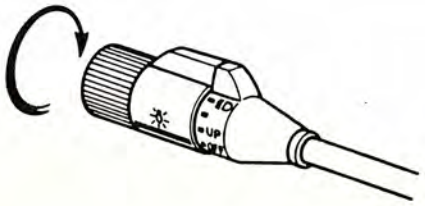
- Comparative Dimensions ("L" Type dimensions shown)

Exterior	1982 Celica Supra (Change)	1981 Celica Supra
Wheelbase	103.0 (-0.5)	103.5
Overall Length	183.5 (+1.8)	181.7
Overall Width	66.3 (+1.3)	65.0
Overall Height	52.0 (+1.2)	50.8

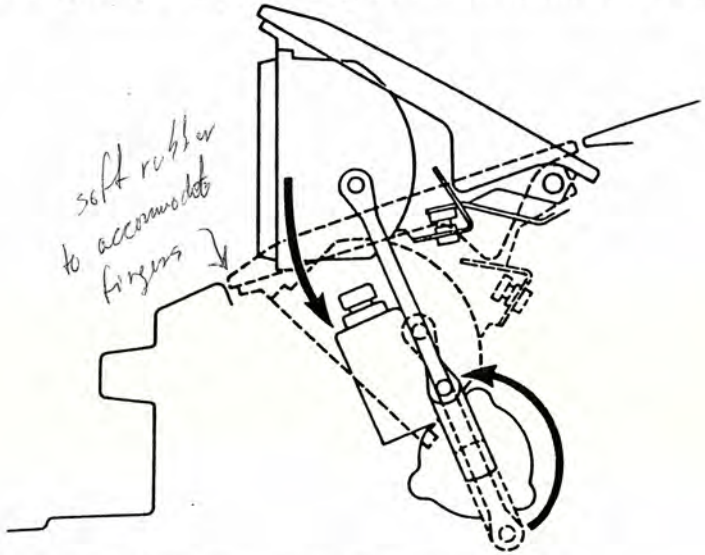
SUPRA - (Continued)

Exterior (Continued)

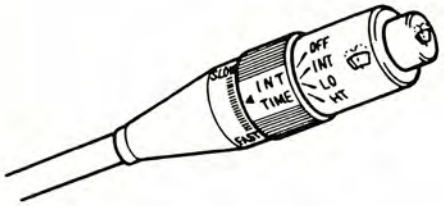
- Retractable headlamps (pop-up type) complete the new true-wedge design, and help to minimize aerodynamic drag. Halogen Hi/Low beam headlamps and auxiliary halogen fog lamps improve nighttime illumination for all Supras.

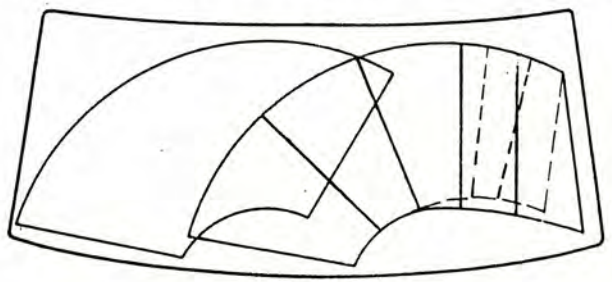


Switch Position
1) -OFF
2) - UP
3) -
4) - ≡D



- Semi-concealed windshield wipers (faired-in) to decrease the aerodynamic drag. New adjustable intermittent feature allows the time interval between each cycle to be varied. Driver side wiper is controlled by a pantograph to increase the wiper's swept area and minimize wind-induced wiper blade skittering.





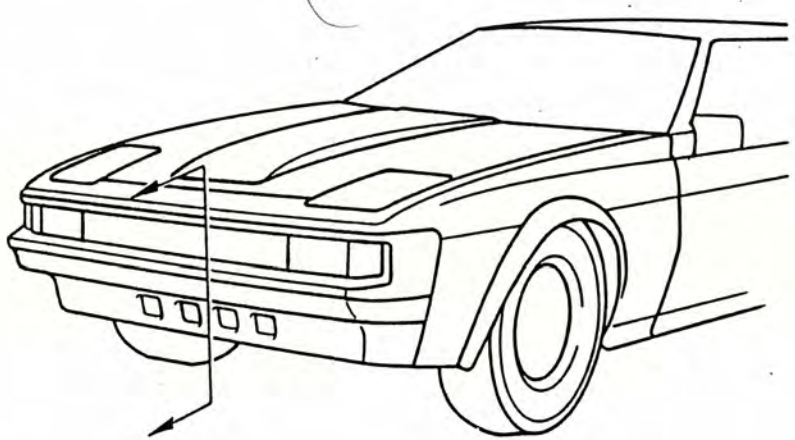
——— Pantograph type

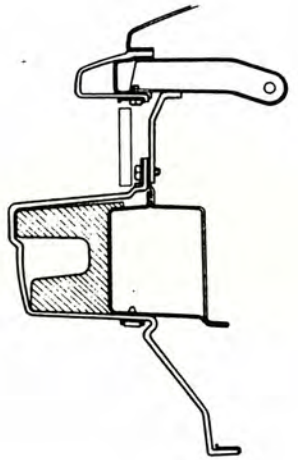
---------- Standard type

SUPRA - (Continued)

Exterior

- Dual power remote control mirrors are encased in solid housings that compliment the flowing lines of the car.
- A flexible, color-keyed front nose cap covers the energy absorbing front bumper.



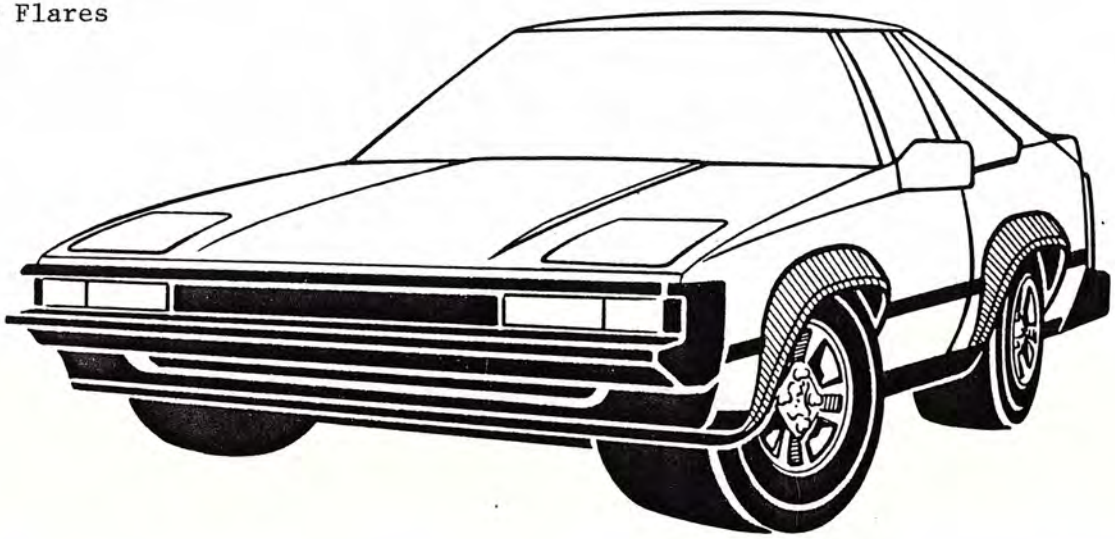


- Rear wiper with intermittent cycle provides extra convenience during light rain or foggy weather.

SUPRA - (Continued)

1982 Supra Exterior Features:

- Fender Flares



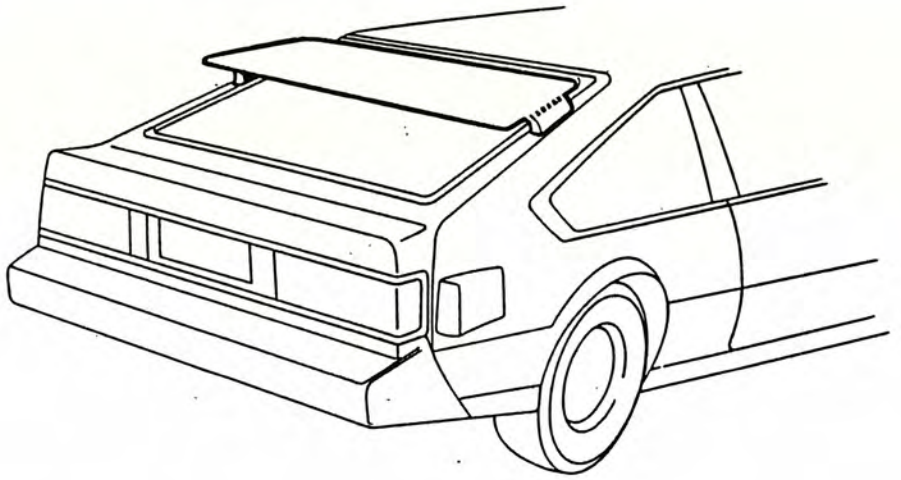
fiberglass, removable

- New 7 inch wide aluminum alloy road wheel includes 225/60 HR14 tire for increased tire/road contact. This combination provides a substantial increase in performance and handling.

SUPRA - (Continued)

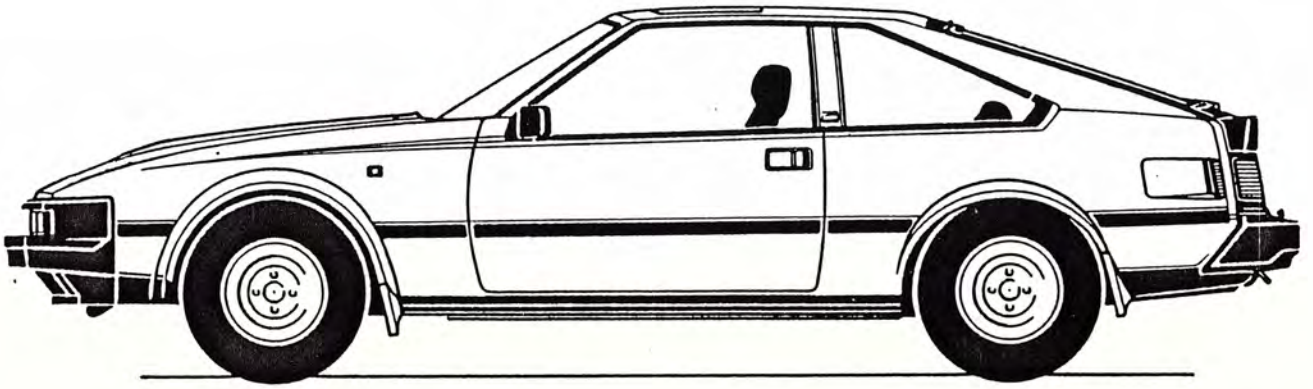
1982 Supra Exterior Features: (Continued)

- A unique new optional sunshade which decreases solar intrusion through the back light to keep the occupants and interior cooler.



SUPRA - (Continued)

1982 Supra "L" Type Exterior Features:



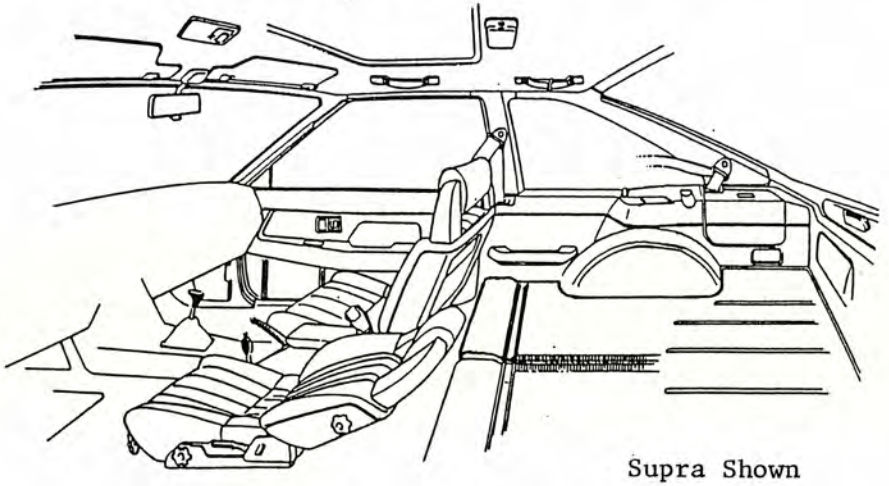
- Mudguards protect the lower portions of the body on all Supra "L" Types.
- A new design standard aluminum alloy wheel is fitted on all Supra "L" Type models.

same as opt. on Celica

SUPRA - (Continued)

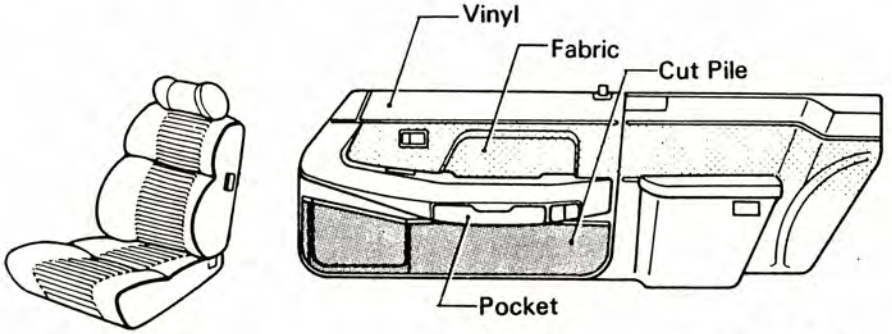
Interior

- The all new Supra features a redesigned interior package that projects a fresh Grand Touring image. The Supra provides an extremely comfortable environment for the driver and front seat passenger. A secondary jump seat is provided for occasional use.



Supra Shown

- Color accenting maximizes the visual size of the interior.

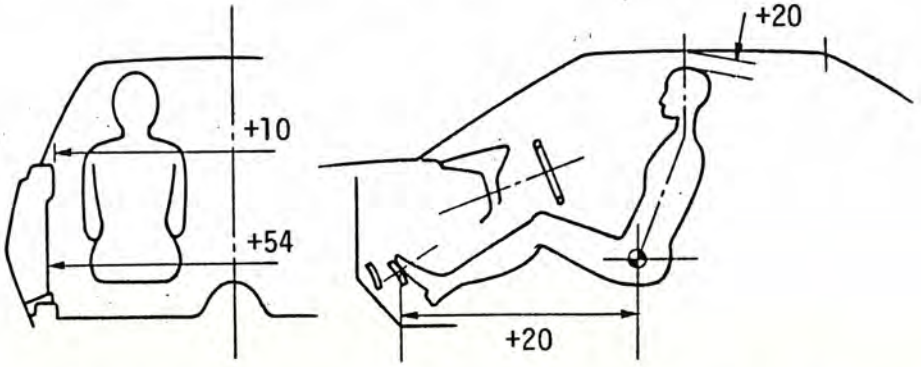


Supra "L" Type Trim Shown

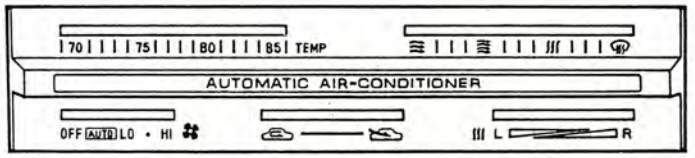
SUPRA - (Continued)

Interior (Continued)

- More front legroom than any other Toyota model (except Celica).



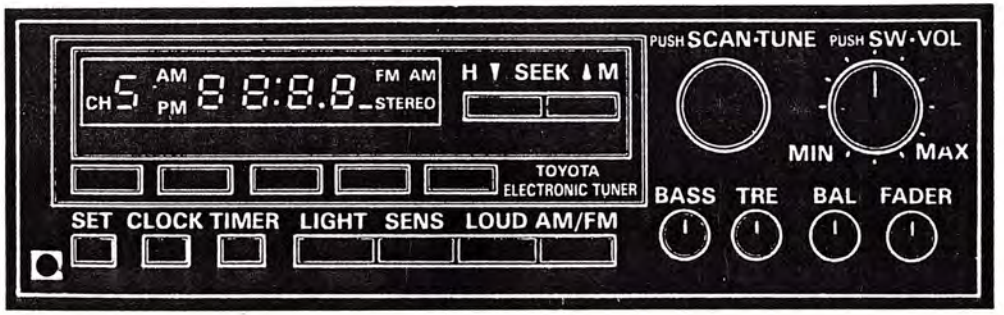
- Revised two-spoke leather-wrapped steering wheel design with large rim diameter.
- Longer armrest with storage pocket is standard.
- Automatic locking seat belt retractor fitted on outboard rear seats to simplify installation of child restraint seats.
- The sunroof option features a motorized sliding steel panel.
- Courtesy lights fitted to each Supra door will contain a red warning lens visible to the rear when either door is opened.
- The climate control system of the new Supras has a higher heating/cooling capacity and sports a left-to-right balance control for directing the conditioned air to either side of the car. Additional vents have been added under both the steering wheel and glove box to further enhance the effectiveness of this system.



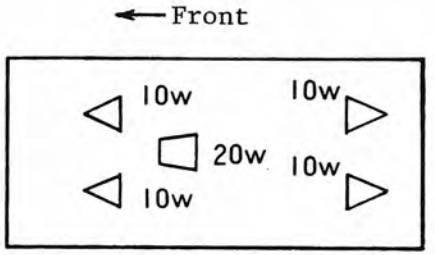
SUPRA - (Continued)

Interior (Continued)

- AM/FM/MPX Electronic Radio with 5-Speakers featuring a sub-woofer system unique to the industry.



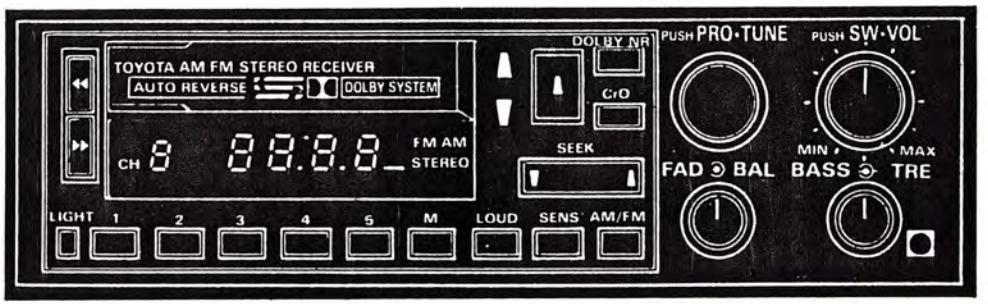
- 5-speaker positioning and power output is shown below. The unique system combines inputs from both left and right channels, filters and re-amplifies the signal, and directs it to a 20-watt sub-woofer mounted under the instrument panel.

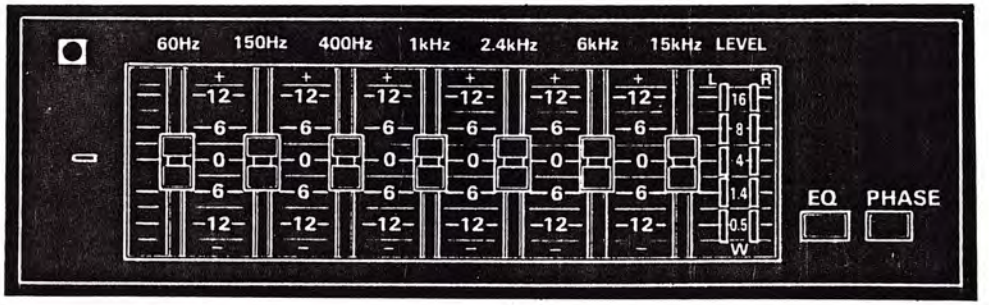


SUPRA - (Continued)

Interior (Continued)

- The optional 5-speaker AM/FM/MPX Electronic Tuner with Amp/Equalizer and Cassette is shown below.

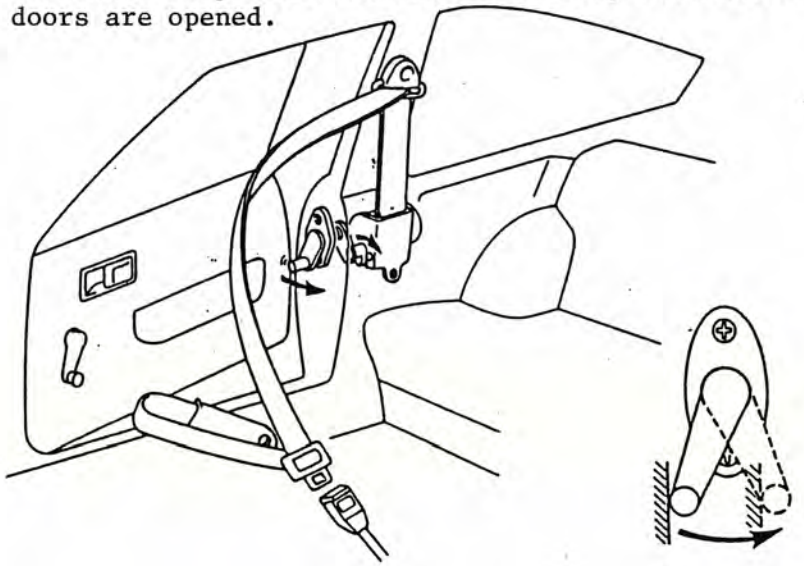




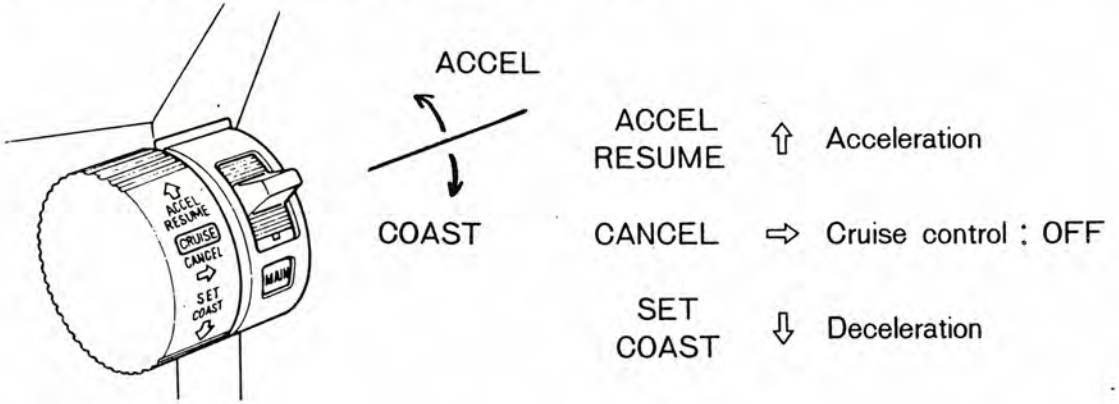
SUPRA - (Continued)

Interior

- A unique seat belt tensioner helps draw the seat belt away from both the driver and the front seat passenger when the doors are opened.



- Standard cruise control features a new 3-way fingertip control switch located on the dash pad to the left of the instrument cluster. This convenient location allows the Supra driver to operate the cruise control without moving from the steering wheel.

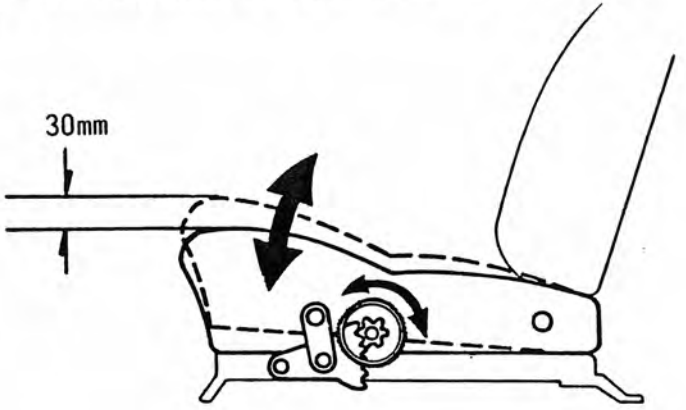


SUPRA - (Continued)

1982 Supra Interior Features:

- Sport seats with 8-way adjustment provide exceptional comfort and support for the Supra driver.

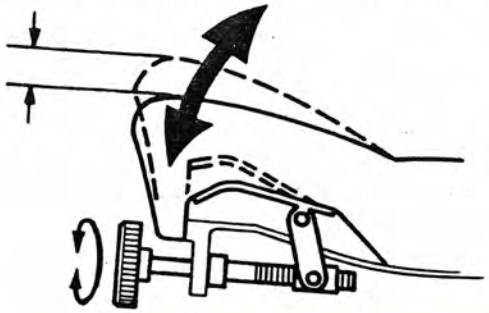
- Seat bottom cushion height adjustment is infinite over a range of 1-1/4 inches (30 mm.).



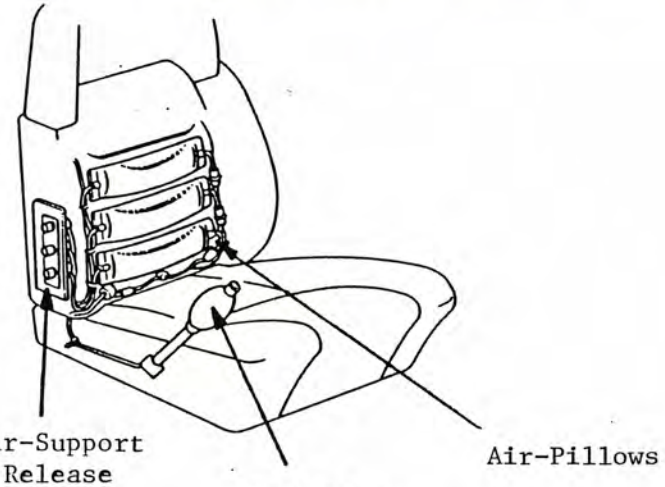
SUPRA - (Continued)

1982 Supra Interior Features (Continued)

- Thigh support (front edge of seat cushion) is infinitely adjustable; up to 3/4 inch (20 mm.) at the front edge of the seat.



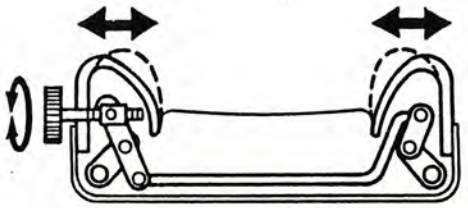
- Pneumatic lumbar adjustment features air-pillow support for the driver's lower back. This unique feature includes a manual pump for inflation and separate control of each pillow to optimize position and degree of support.



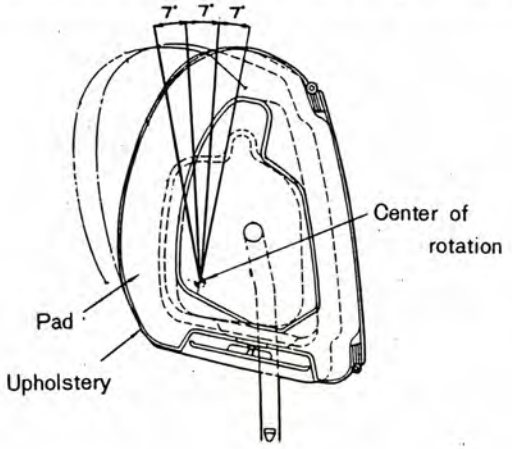
SUPRA - (Continued)

1982 Supra Interior Features (Continued)

- Side support adjustment is a stepless wing on each side of the driver's seat back to provide added comfort and body positioning.



- Seat track travel has been increased and the space between each interval has been decreased to provide added flexibility for the Supra driver.
- Seat back recline has increased adjustments.
- Headrest provides vertical adjustment.
- Headrest also provides four positions of fore/aft placement.

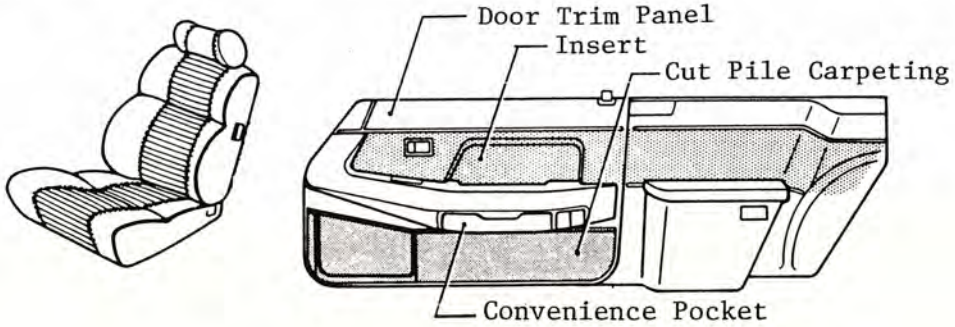


- Sport cloth interior trim.
- Special door trim.

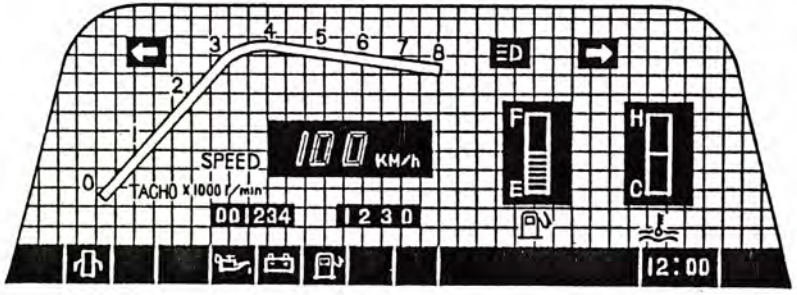
SUPRA - (Continued)

1982 Supra "L" Type Interior Features:

- The new striped velour trim on the redesigned seats projects a plush, yet durable image. (Except Leather Package Supra "L" Types).
- The leather seat option is continued, and is available in Black or the new Terra Cotta (replaces Beige).



- Digital Electronic Display option (combined with Trip Computer) includes a digital speedometer, graphic electronic tachometer, fuel and temperature level indicators. Toyota is the first import to offer this feature.

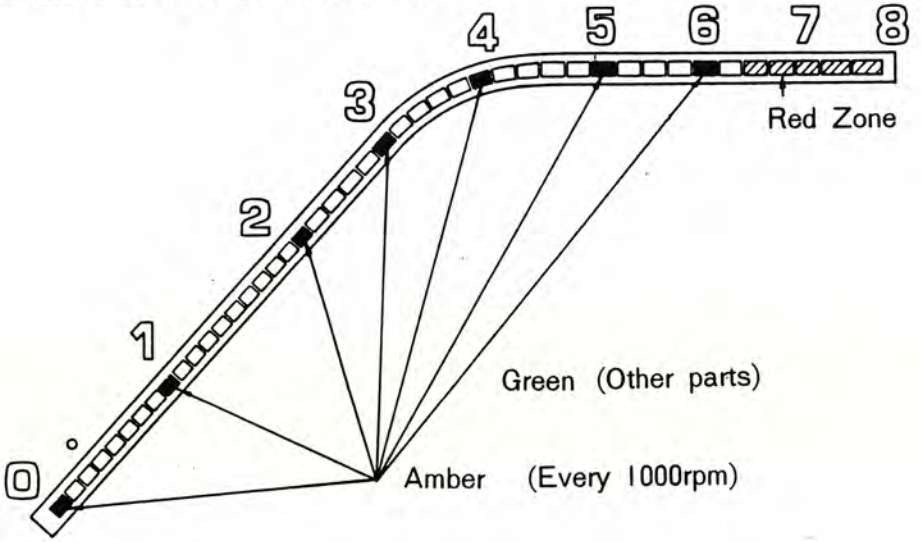


- Digital speedometer displays speed in either miles-per-hour or kilometers-per-hour. Conventional odometer and trip odometer keep track of the miles traveled.

SUPRA - (Continued)

1982 Supra "L" Type Interior Features: (Continued)

- Graphic Tachometer display rises with increasing power generation to 4000 RPM. Tachometer scale continues on to 8000 RPM.



Indicators - Individual rectangular LED (Light Emitting Diodes)

Color Coding - Amber: Each thousand RPM (1000, 2000, 3000, etc.)

Red: Red line and beyond (6500 RPM to 8000 RPM)

Green: Intermediate RPM levels

Interval Steps - 0-250 RPM : 0 LEDs
250-600 RPM : 3 LEDs
600-2000 RPM : 1 LED per 100 RPM
2000-5000 RPM : 1 LED per 200 RPM
5000-7000 RPM : 1 LED per 250 RPM
7000-8000 RPM : 1 LED per 500 RPM

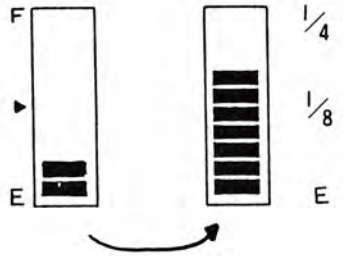
SUPRA - (Continued)

1982 Supra "L" Type Interior Features: (Continued)

- Fuel gauge in bar graph form features a dual scale to magnify the gauge reading of the remaining 1/4 tank of fuel.

  -- The standard display provides 10 indicated levels of remaining fuel representing intervals of 1.6 gallons each.

  -- As the fuel level dips below 4 gallons, the driver may make a momentary check of the fuel level on the expanded scale. Ten gradations, each representing just under 1/2 gallon, make up the temporary gauge.



SUPRA - (Continued)

1982 Supra "L" Type Interior Features: (Continued)

- Temperature gauge, also in bar graph form, indicates the coolant temperature by relative position on the bar graph scale. Ten positions correspond to the temperatures detailed below.

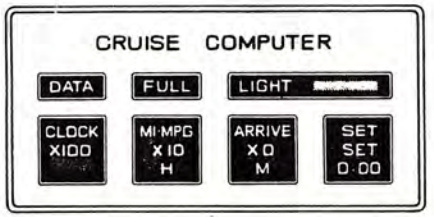
(One segment lights up)

This position is No6

Position	Temperature Range °F (°C)
10	250 + (120 +)
9	240-250 (115-120)
8	230-240 (110-115)
7	220-230 (105-110)
6	185-220 (85-105)
5	160-185 (70-85)
4	150-160 (65-70)
3	140-150 (60-65)
2	120-140 (50-60)
1	120 - (50 -)

- Electronic Trip Computer is combined with the Digital Electronic Display option to compliment the luxury Supra's image. Features of this unit are as follows:

  - Electronic Chronometer
  - Estimated Arrival Time
  - Instantaneous Fuel Economy
  - Distance to Drive on Remaining Fuel
  - Distance to Destination



SUPRA - (Continued)

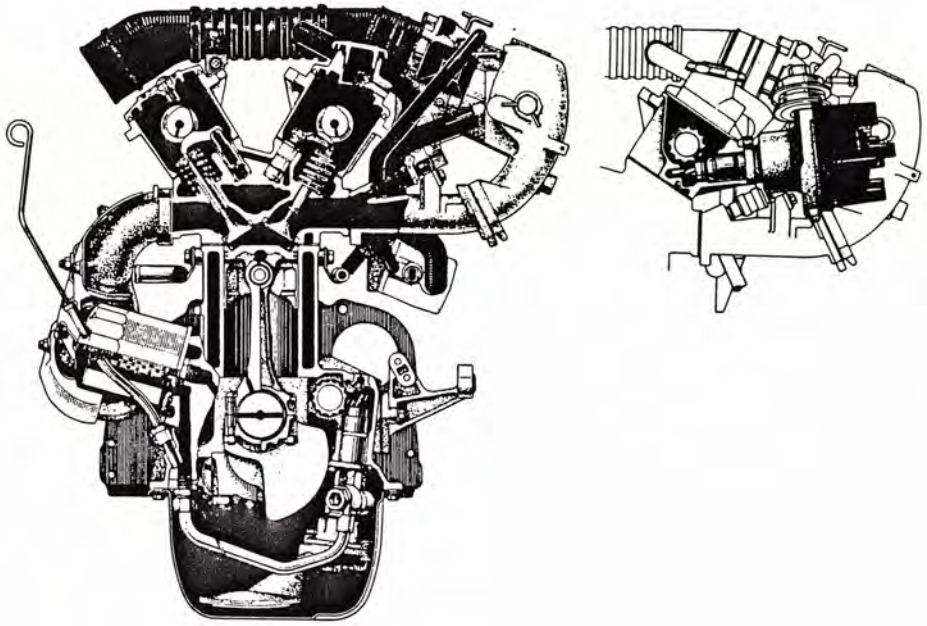
1982 Supra "L" Type Interior Features: (Continued)

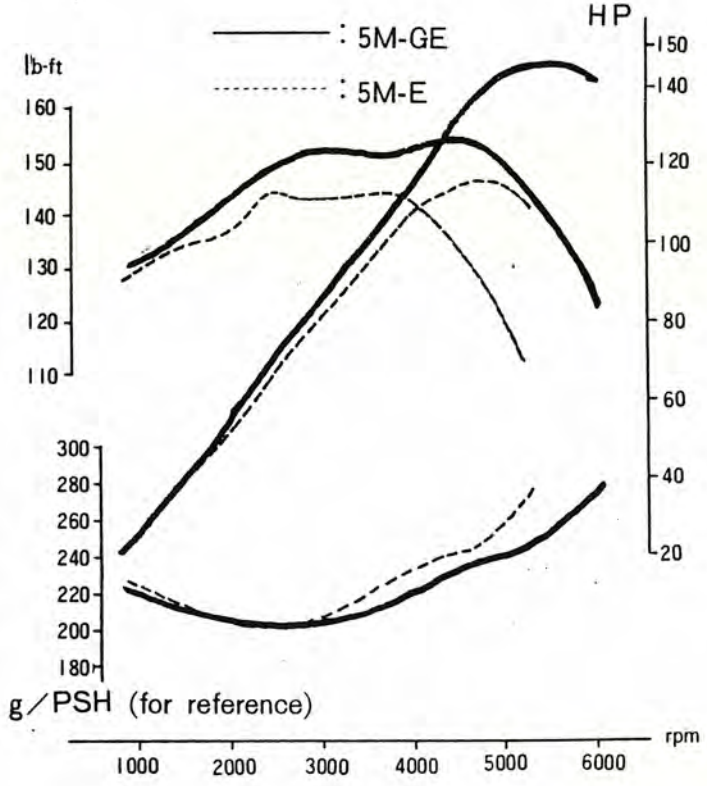
- The Electronic Chronometer acts as a time base for the computer system.
- The ETA function electronically divides the predetermined distance by the average vehicle speed (calculated from the last 90 seconds of travel) and registers the approximate time of arrival on the output display.
- Instantaneous fuel economy will be displayed in MPG by calculating the fuel flow and distance traveled during the prior two seconds.
- After registering a full tank, the Trip Computer will calculate the distance to drive on the remaining gas (in miles) by multiplying the fuel consumption rate (MPG) by the available fuel in the tank.
- After entering the trip distance in miles, the Trip Computer will show the remaining distance to travel on demand.

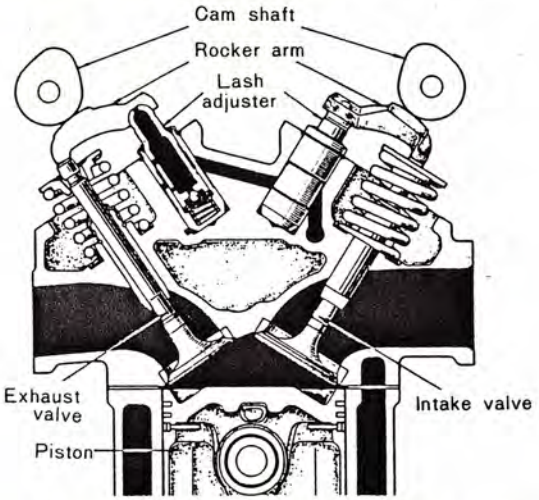
SUPRA - (Continued)

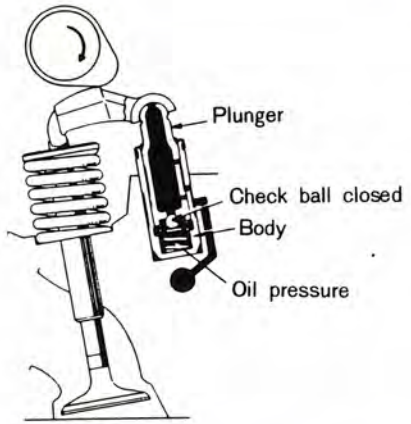
Mechanical

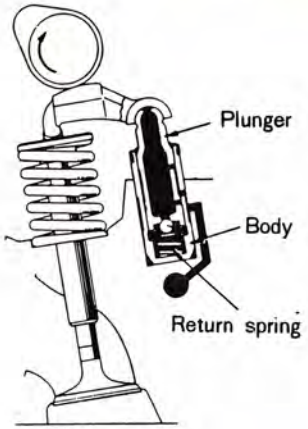
- New Twin Cam version of the 2.8 liter 5M engine is standard. This new 5M-GE engine produces approximately 145 hp @ 5600 rpm, an increase of 25 percent over 1981. This latest Twin Cam, a derivative of the Twin Cam engine used in the 2000 GT Sports Car, features an aluminum cross-flow cylinder head, hemispherical combustion chambers, hydraulic valve lash adjusters and fabric/rubber cam shaft drive belts.







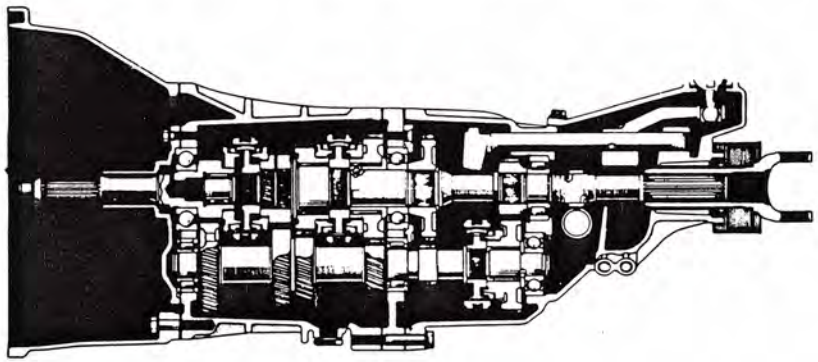




- The new W58 5-speed overdrive transmission is standard in the Supra. New gear ratios and a strengthened, lightweight aluminum alloy gear case contribute to this transmission's increased performance.

Gear Ratio Comparisons

	First	Second	Third	Fourth	Fifth	Reverse
1982 W58 5SM	3.286	1.894	1.276	1.000	0.783	3.769
1981 W50 5SM	3.287	2.043	1.394	1.000	0.853	4.039



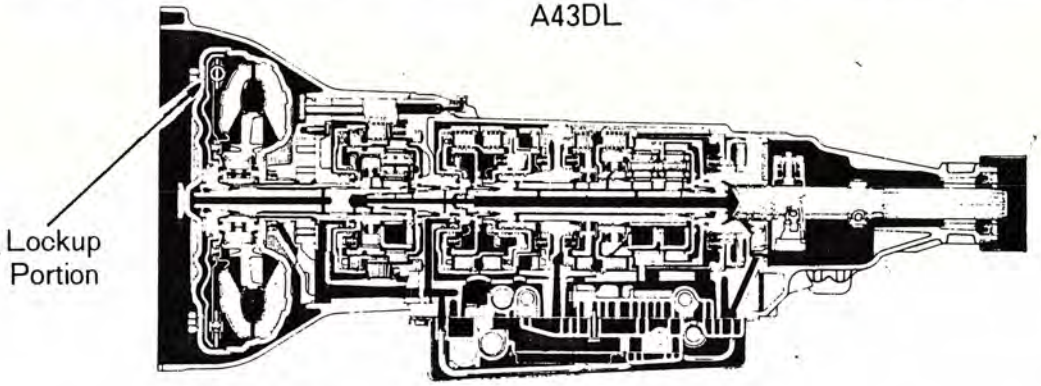
SUPRA - (Continued)

Mechanical (Continued)

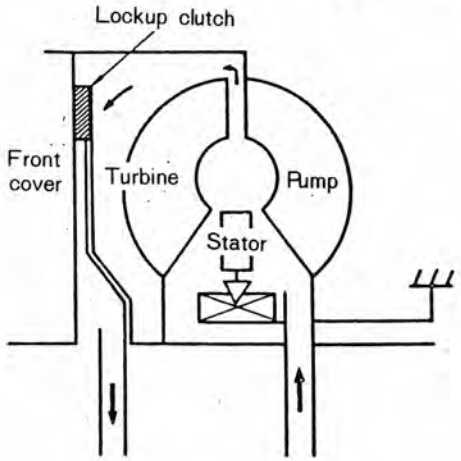
- A new A43DL 4-speed automatic overdrive transmission available on Supra "L" Type features a hydraulically locking torque converter designed to eliminate slip and loss of efficiency between the engine and transmission at speeds above 35 mph in 4th gear.

  - This new direct drive torque converter senses vehicle speed, transmission gear position, and overdrive gear status before directing pressurized hydraulic fluid against the lock-up clutch disc. The pressure differential forces the clutch against the torque converter front cover to eliminate the relative motion between the engine crankshaft and the transmission input shaft. The result is a solid connection (much like that with a manual transmission) from engine to driving wheels for increased performance and high speed economy.

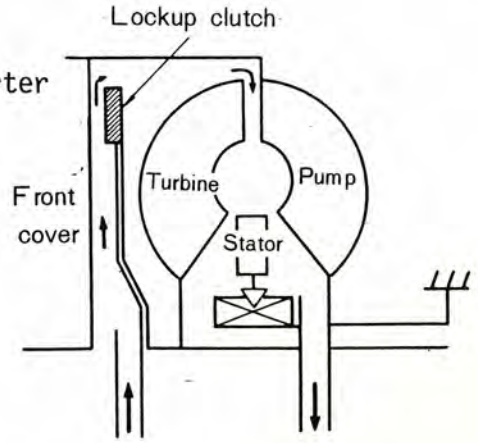
A43DL



Torque Converter
Locked



Torque Converter
Free

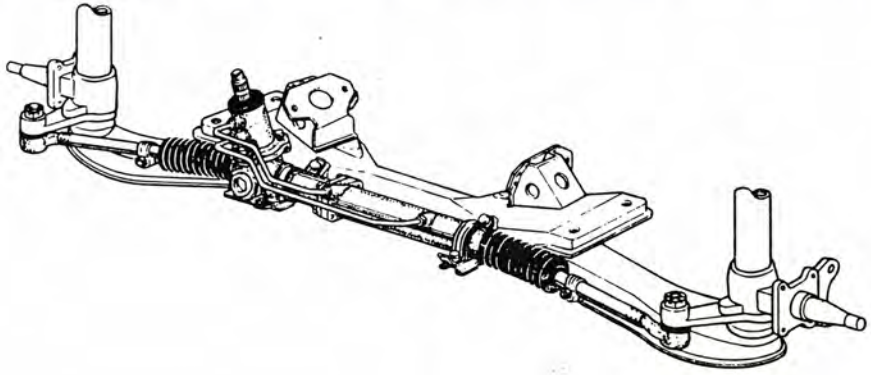


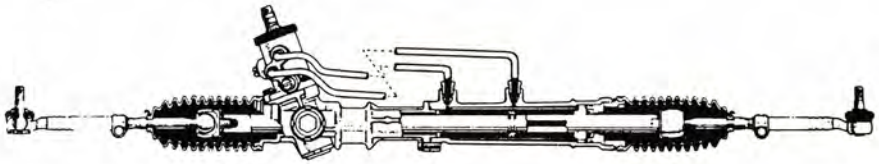
SUPRA - (Continued)

Mechanical (Continued)

- The overdrive lock-out switch has been conveniently relocated to the transmission shift quadrant.

- Power Rack and Pinion steering with variable power assist is standard all Supras. This new power steering system varies its fluid flow, hence steering gear assist, depending on engine speed. Maximum steering assist occurs between approximately 1000 and 2000 RPM, and then drop off noticably beyond that range to enhance stability and vehicle control.





SUPRA - (Continued)

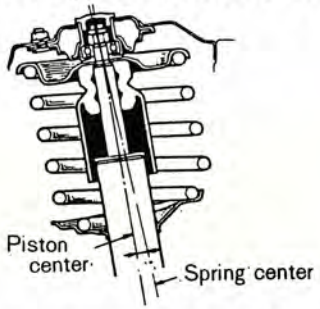
Mechanical (Continued)

- Revised MacPherson strut front suspension system and stabilizer bar with wide front track (up 2.4 inches from 1981) to decrease understeer and exhibit more neutral handling characteristics.

Comparative Tread Widths

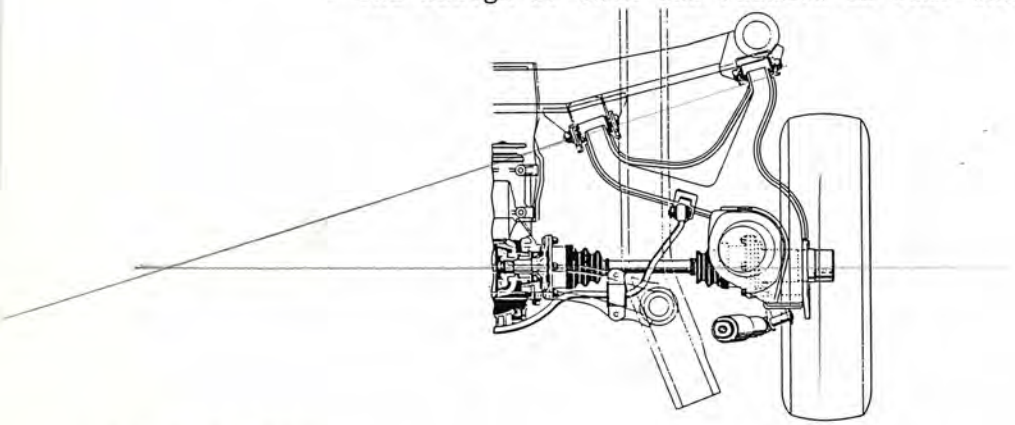
		1982 Supra (Change)	1981 Supra
Tread Width, Inches:	Front	56.1 (+2.4)	53.7
	Rear	54.5 (+0.8)	53.7

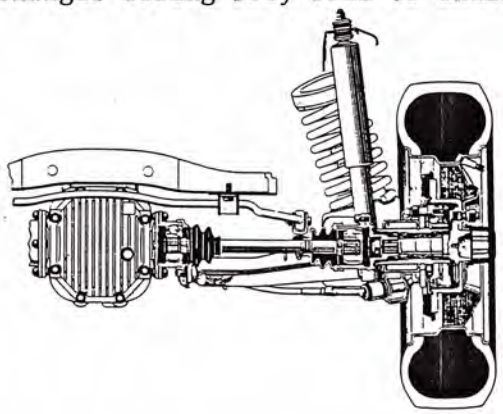
  - A non co-axial coil spring is used over the MacPherson strut to decrease shock absorber piston side loading. This system results in smoother shock action to help stabilize the ride.



  - The new suspension geometry provides better high speed stability and reduced steering effect on rough surfaces.

- Independent Rear Suspension (IRS) features trailing arm, coil spring and stabilizer bar. The IRS allows the ride comfort to be independent from the roll stiffness to improve both the handling and ride.
  - The design of this IRS results in rear-wheel toe changes during body roll to enhance stability.

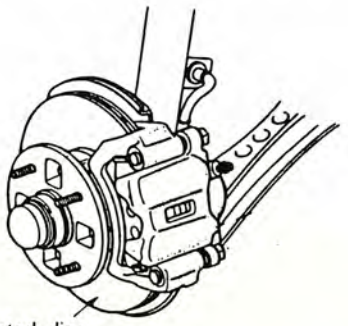




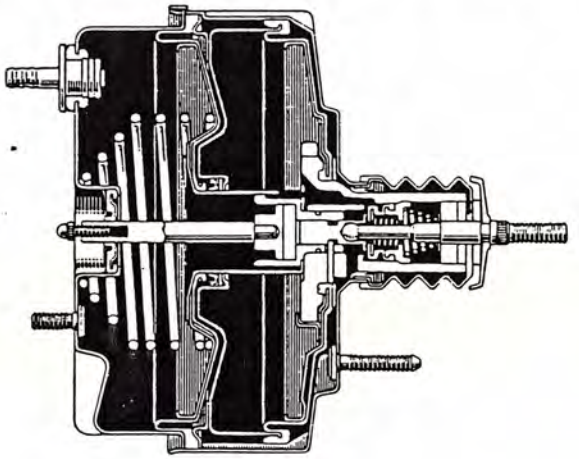
SUPRA - (Continued)

Mechanical (Continued)

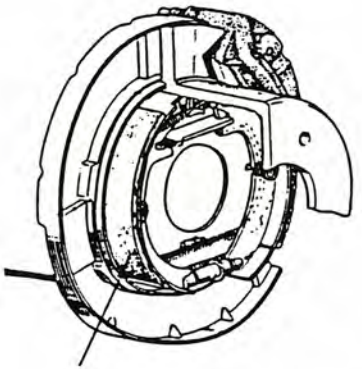
- Internally ventilated four-wheel disc brakes provide true grand touring performance. Metallic brake pads resist fade during heavy or prolonged use and a unique twin diaphragm vacuum booster reduces the size and weight of the power brake system.



Ventilated disc



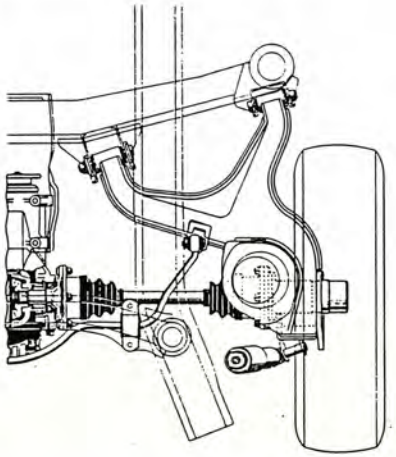
- The rear disc brakes have an integrated drum within the rotor to act as a parking brake.

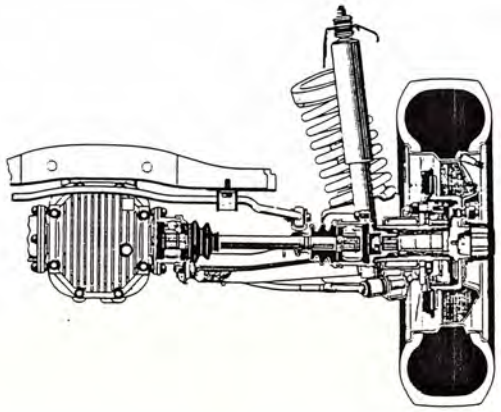


SUPRA - (Continued)

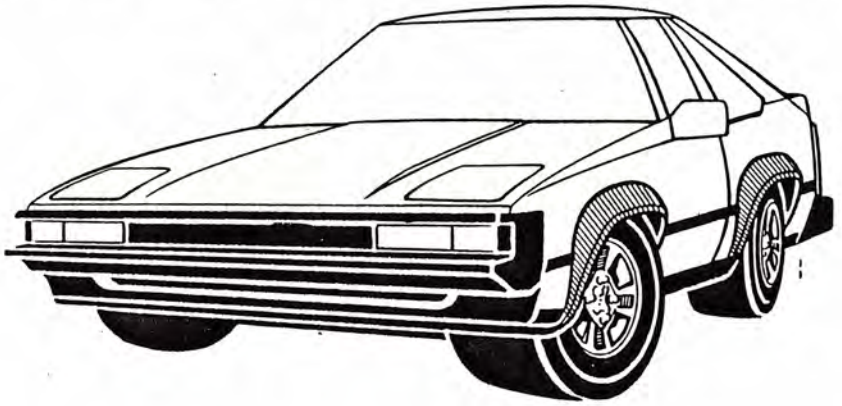
1982 Supra Mechanical Features:

- Sport Suspension





- Limited Slip Differential increases the available traction of the new Supra (not available on "L" Type).
- 225/60 HR14 Tire and unique 7-inch wide aluminum alloy road wheel increases the tire/road interface for increased controllability and handling (not available on "L" Type).



SUPRA - (Continued)

Options (Factory-Installed)
- Digital Display Package ("L" Type)
- Leather Package ("L" Type)
- Sunroof
- Two-Tone Paint
- 5-Speaker Electronic Tuning AM/FM/MPX Radio with Amp./ Equalizer, and Cassette.

Key Attributes/Features

Supra
- Performance Features
  - Twin Cam/EFI Engine
  - IRS
  - Variable Boost Rack & Pinion Steering
  - 4-Wheel Disc Brakes
  - 225/60 Tires and 7 Inch Alloy Wheels
  - Limited Slip Differential
- Styling
  - Fender Flares
  - Sunshade (Optional)
- Features
  - Sport Seat (8-Way Adjustment)
  - Power Options

Supra "L" Type
- Performance Features
  - Twin Cam/EFI Engine
  - IRS
  - Variable Boost Rack & Pinion Steering
  - 4-Wheel Disc Brakes
- Styling
- Features
  - Power Options
  - Digital Instrument Panel (Opt.)
  - Trip Computer (Opt.)
  - Leather Seat (Opt.)

TOYOTA

Product Information

TOYOTA CELICA SUPRA COMPARATIVE SPECIFICATIONS*

	1982 Supra (Change)	1982 Supra ("L" Type)	1981 Supra
DIMENSIONS & WEIGHTS:			
Wheelbase	103.0 (-0.5)		103.5
Overall Length	183.5 (+1.8)		181.7
Overall Width	67.7 (+2.7)	66.3 (+1.3)	65.0
Overall Height	52.0 (+1.2)		50.8
Curb Weight (5-speed)	2932 lbs. (+66 lbs.)		2866 lbs.
(4 speed automatic)	2960 lbs (+94)		2866 lbs.
Tread (front)	57.9 (+4.2)	56.3 (+2.6)	53.7
(rear)	56.7 (+3.0)	55.1 (1.4)	53.7
Front leg room	43.0 (+1.8)		41.2
Front headroom	37.4 (+1.6)		35.8
ENGINE:			
Type	2.8L Twin Cam, Electric Fuel Injection		2.8L SOHC, Electric Fuel Injection
Displacement	2759cc (168.4)		2759cc (168.4)
Compression Ratio	8.8:1		8.0:1
Horsepower @ RPM	145 @ 5200 (+29hp +25%)		116 @ 4800
Torque (ft-lbs) @ RPM	155 @ 4400 (+10 ft lbs)		145 @ 3600
Valve Lifters	Hydraulic		Mechanical
Camshaft Drive	Fabric & Rubber Belt		Roller Chain
SUSPENSION:			
Front:	MacPherson Strut w/stabilizer bar Non co-axial coil spring		MacPherson Strut w/stabilizer bar
(Caster Angle)	3°30' (+1°45')		1°45'
Rear:	Fully independent, Semi-trailing arm coil springs, w/stabilizer bar		Live Axle, 4-link arms with coil springs, w/stabilizer bar

*Dimensions in inches unless noted

TOYOTA

Product Information

TOYOTA CELICA SUPRA COMPARATIVE SPECIFICATIONS

	1982 Supra (Change)	1981 Supra
STEERING:		
Type System	Rack & Pinion w/variable power assist boost decreasing as engine speed increases	Recirculating Ball Power Assisted
Gear Ratio	18.1	18.3
Steering Wheel turns, lock-to-lock	3.1	3.4
Turning Radius (ft)	35.4	34.8
DRIVETRAIN:		
Transmission:		
(5-Speed Man.)	Revised gear ratios, Aluminum Case 1st: 3.286; 2nd: 1.894; 3rd: 1.276 4th: 1.000; 5th; 0.783; Reverse: 3.769	 1st: 3.287; 2nd: 2.043; 3rd: 1.394; 4th: 1.000; 5th: 0.853; Reverse: 4.039
(4-Speed Auto.)	Full Lock-up Torque Converter in O/D 1st: 2.452; 2nd: 1.452; 3rd: 1.000; 4th: 0.688; Reverse: 2.212	 1: 2.452; 2nd: 1.452; 3rd: 1.000; 4th: 0.688; Reverse: 2.212
Differential:		
(Gearing)	3.727 w/5-Speed; 4.10 w/4-Speed Automatic	3.727 All
(Location)	Sprung	Unsprung
(Drive)	Limited slip (not available on "L" Type)	Open
Drive Axles:	Half-shafts w/Dual Constant Velocity Joints	Semi-floating axles
BRAKES:		
Front:	Vented Disc	Solid Disc
Rear:	Vented Disc w/Rear Drum in Parking Brake	Solid Disc
Working Dia; Fr/Rr	10.1 in/10.4 in	9.9 in/10.1 in
Rotor thickness: Fr/Rr	0.78 in/0.7 in	0.5 in/0.4 in

TOYOTA

Product Information

TOYOTA CELICA SUPRA COMPARATIVE SPECIFICATIONS

	1982 Supra (Change)	1981 Supra
ADDITIONAL HIGHLIGHTS:		
Headlights	Retractable, Halogen Hi/Lo Beams with Halogen Fog Lamps	Exposed, Halogen Hi Beams
Performance Features	Fender Flares, 225/60 HR 14 Tires with unique Aluminum Alloy Wheels, Sport Seat, Limited Slip Differential	Sports Suspension, Front-airdam & Rear Deck Spoiler
Fuel capacity	16.1 gal	16.1 gal.

1982 PERFORMANCE INFORMATION

Acceleration, 0-100 Kph (0-62 mph)	8.8 sec
Standing ¼-mile	16.4 sec
Top Speed	121 mph
Braking, 60-0 mph	177 ft