

◆ TACHOMETER—

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TACHOMETER

A vehicle gauge, normally located next to the speedometer on the dash, that provides a readout of engine rpm (revolutions per minute).
(See “GAUGES” and “RPM”)



TELESCOPIC STEERING COLUMN

Along with the tilt function, this allows the driver to obtain the optimum control position. Manual telescopic steering columns are standard on Sonata LX and both Azera models. Optional on Azera Limited models is a power telescopic steering column.

TEMPERED GLASS

Glass that is pre-stressed so that if broken, it shatters into small, cube-like particles that are less likely to cause injury. Tempered glass is commonly used on side and rear windows in automobiles.



TEMPORARY SPARE TIRE

Also known as a “space-saver spare tire,” the temporary spare tire is a smaller-than-average spare tire and wheel unit designed for temporary use only to get the vehicle to a garage in the event of a tire failure.

THEATER DIMMING INTERIOR LIGHTS

Interior lighting that dims automatically from full intensity to off in a gradual, theater-like pattern when the vehicle’s doors are closed.



THERMOSTAT

A temperature-sensitive valve used in the cooling system of an engine to control the flow of coolant between the cylinder block and radiator. By controlling the coolant flow, it can keep the engine at its proper operating temperature, neither too cold, nor too hot, thereby achieving maximum fuel economy and minimum exhaust emissions.
(See “COOLING SYSTEM”)

3-WAY CATALYST

A catalytic converter designed to control the three major exhaust emissions (CO, HC and NOx). Normally they have two chambers that have different catalytic materials for better control of the three major exhaust emissions. Also called a dual-bed converter.
(See “CATALYTIC CONVERTER”)

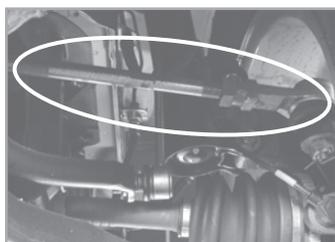
—TIRE RATING

THROTTLE

A device mounted on an engine that controls an engine's speed. The throttle or throttle body is controlled by the driver via the accelerator pedal.

TIBURON MULTI-GAUGE

Consisting of a fuel consumption and engine torque output gauge, these instruments measure fuel economy through evaluating engine vacuum and engine torque using engine rpm and degree of throttle opening. They enable the performance-orientated driver to get a visual reading of fuel consumption and how much torque the engine is producing at any particular time.



TIE RODS/TIE ROD ENDS

Rods that connect the steering system component. Tie rods and tie rod ends allow the transfer of steering movement from the steering rack to the front wheels.

(See "RACK-AND-PINION STEERING")



Tie Rod End



TIMING

In an engine, timing is the precisely synchronized actions of the ignition, fuel injection, engine valves and pistons. Timing requires the exact position of piston and valves, and the precise instant of spark delivery to cause the air/fuel mixture to ignite and force the piston down.

TINTED GLASS

Glass that is specially tinted to reduce glare and the entry of sunlight into a vehicle's passenger compartment.



TIRE PRESSURE MONITORING SYSTEM (TPMS)

A safety system that alerts the driver if one or more of the vehicle's tires is under inflated. When a tire pressure runs below 30 psi an instrument panel light will illuminate notifying the driver that the tire pressure is low in one or more tires. This system does not notify of over inflation.

TIRE RATING

The size, load capacity and speed limits set by the tire manufacturer. These ratings are incorporated into the tire information molded on the sidewall.

◆ TRAILER TONGUE —

TRAILER TONGUE

The part of a trailer that allows attachment to the towing vehicle. A trailer's tongue contains the mechanism that allows it to be securely attached to the vehicle's towing ball.

TORQUE

Describes a force in a twisting motion. An engine's torque is measured at the crankshaft in foot-pounds (ft.-lb.). Torque is the engine characteristic that helps accelerate a vehicle. High-torque engines normally allow for quick acceleration and excellent towing capabilities.

(See "FOOT-POUND")

TORQUE ARMS/TORQUE RODS

(See "RADIUS ARMS" and "SUSPENSION SYSTEM")

TORQUE CONVERTER

In an automatic transmission, the hydraulic coupling device that transmits engine power to the gear sets. By design, a torque converter also has the ability to multiply the force of the engine at low rpm by as much as 2:1.

(See "AUTOMATIC TRANSMISSION")

TOURING-TYPE RADIAL TIRES

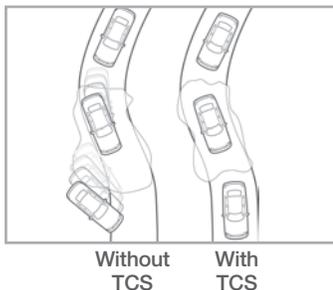
Generally designed for luxury sedans, this type of tire blends performance handling with a smooth, comfortable ride.

(See "RADIAL TIRES")

TRACK (FRONT/REAR)

Front track is the distance between the center of the left front wheel and the center of the right front wheel when the vehicle is set to its normal ride height and wheel alignment specifications. Rear track is the distance between the center of the left rear wheel and the center of the right rear wheel.

(See "EXTERIOR DIMENSIONS")



Without TCS

With TCS

TRACTION CONTROL SYSTEM (TCS)

A system that helps prevent drive-wheel spin on slippery or gravel surfaces during acceleration by electronically manipulating the brakes and engine to prevent wheel slippage and control traction. When one wheel spins, the system 1) de-powers the engine, 2) the brake system pulsates until the sensor detects normal traction. The traction control light will blink when the system is activated.



Traction Control System (TCS) Switch on Vehicle Dash

— TRIP COMPUTER

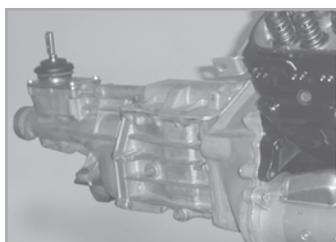
TRAILING ARMS

Typically refers to suspension linkage on independent rear suspension vehicles mounted to the chassis ahead of the rear axle.



TRANSAXLE

The combination of a transmission and differential in one housing. Transaxles are most common in front-wheel-drive vehicles. All Hyundai passenger cars are equipped with transaxles.



TRANSMISSION

A gearbox with a number of selectable ratios, used to match the engine's rpm and torque to differing vehicle requirements.

(See "AUTOMATIC TRANSMISSION" and "MANUAL TRANSMISSION")

TRANSMISSION CONTROL UNIT/MODULE (TCUITCM)

An on-board computer that works in coordination with the Engine Control Unit/Module (ECU/ECM) to closely match the power output of the engine to the shift selections of the automatic transmission.



TRANSVERSE-MOUNTED ENGINE

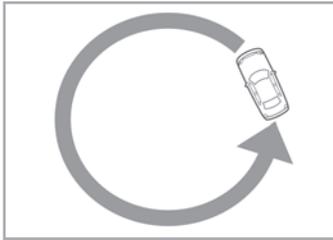
An engine that sits sideways or laterally in the vehicle between the drive wheels. Most current transverse-mounted engines are installed in front-engine, front-wheel-drive powertrain configurations, such as those found in all Hyundai models.



TRIP COMPUTER

A electronic instrument providing a range of data to the driver that can include miles traveled, drive time, fuel status (to empty) and average speed.

◆ **TURNING DIAMETER (CURB TO CURB)—TWEETER**



TURNING DIAMETER (CURB TO CURB)

The minimum arc a vehicle can turn with the steering on full lock.



TWEETER

A type of speaker that is designed to reproduce high tones or treble in an audio system.