



# Matrix





## The Smarter Way to Get Around

Life can get really hectic some days. Running around town, picking up here and dropping off there. Then there are the days of pure relaxation and pleasure when you enjoy taking it easy. To help you get through the day, you need a reliable and versatile life partner. A partner like Matrix that's ideal for young families and independent-minded singles.



**A New Day, a New Approach** Times change. So do your expectations. And that's why Hyundai created Matrix. With its handsome elegance and great practicality, Matrix offers exciting new features and clever stowage solutions. Small on the outside but big on the inside, Matrix is also a lot of fun to drive.



*designo pininfarina*

In 1930, an automotive legend was born when Pinin Farina opened his carrozzeria which would forever be associated with some of the most beautiful automotive creations ever. Styled in Pininfarina's studio, Matrix proudly wears the Pininfarina signature, a badge of distinction.









## You'll Love Its Exemplary Practicality

Matrix is the perfect city car that fits right into your busy life style. It doesn't take up much space so it's easy to maneuver and park. If you're the tall type, you'll especially appreciate Matrix's high roof line that makes entry and egress much easier than in a conventional sedan.







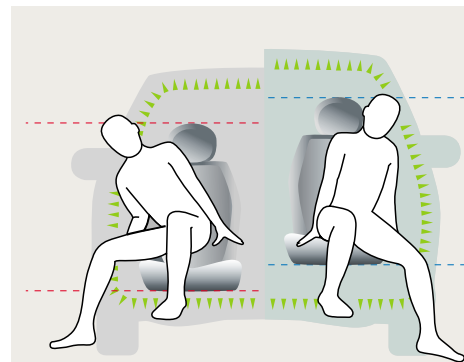




**Seeing on a Whole New Level**  
Side windows have been extended to create a brighter, airier cabin ambiance that your passengers will appreciate.



**Sleek and Compact**  
Matrix cuts a profile that's sleek and aerodynamically efficient. Reduced resistance translates into better fuel economy and less wind noise.



**Extra Headroom**  
Unlike a sedan, Matrix has a high roof that tall types will especially appreciate. It makes getting in and out a whole lot easier. What's more, rear seats are slightly elevated for a better view of the road ahead.

## The Whole Idea is to Enjoy Every Moment Behind the Wheel

As you slip behind the wheel of Matrix, you'll appreciate the simplicity and beauty of the cockpit design. Just one look and you'll understand. The airy spacious interior provides an excellent view of surrounding traffic and the seat cushions give special attention to back and thigh support for the ultimate seating comfort. Everything works intuitively so there's no fussing and fumbling. And in an innovative design touch, the gauge cluster has been relocated to the center where it's easier to see.



**Telltale Lamps**  
Warning icons and automatic gear shift indicator are in the driver's direct line of sight over the steering column for maximum visibility.









## A Quiet and Comfortable Approach to Driving

Matrix is packed with new ideas to make your life more comfortable and convenient starting with the low sloping hood and expansive windscreen that provide the driver with ideal visibility. And there's plenty of stowage space to carry more luggage and keep your travel essentials neatly organized. The tailgate swings open 84 degrees to offer 1.84m of head clearance for easy loading and unloading of cargo. The cavernous luggage compartment offers 350 liters of cargo space (with rear seats in normal position). Load volume can be more than tripled to 1284 liters with the rear seats double folded.



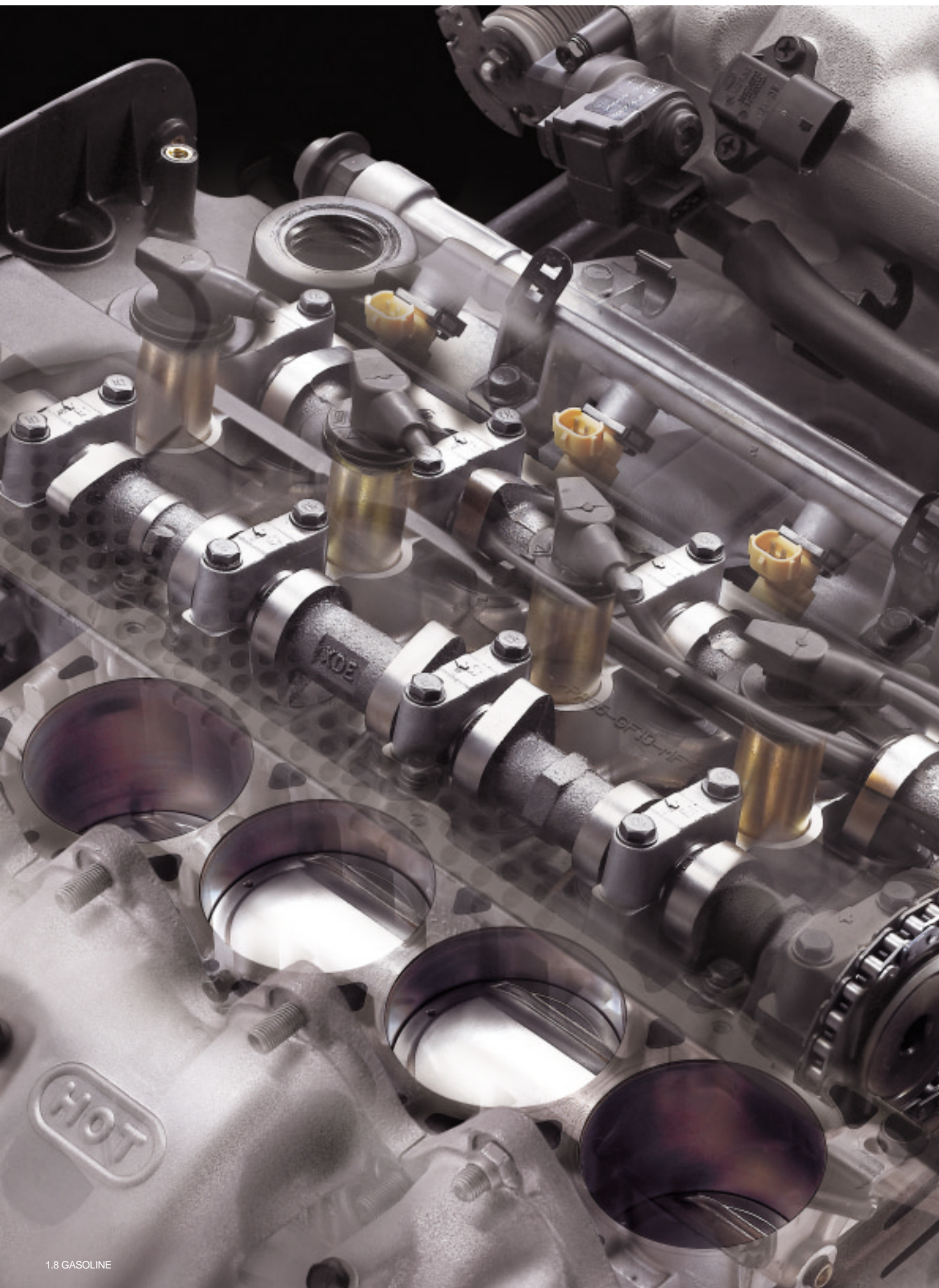
### Sliding Rear Seats

New seat rails permit 195mm of sliding adjustment to keep knees happy. And the seatbacks have a folding-reclining range of 23 to 58 degrees. In addition to the 60:40 split folding feature, they can be double-folded to make room for over-sized cargo. Up/down adjustable headrests are included.









1.8 GASOLINE

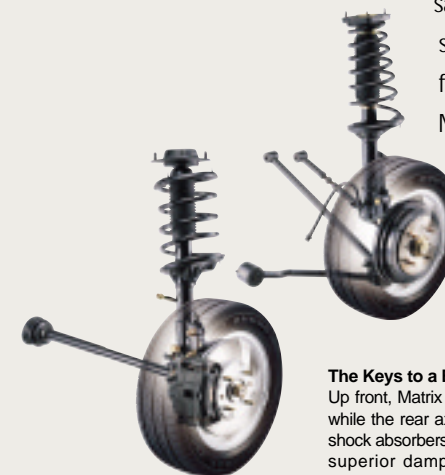


1.5 CRDI



## Engine Evolution is a Never-Ending Process

Hyundai engines have always been known for their reliability and long service life. However, Hyundai engineers are never content with their creations but are always striving for greater efficiency in their power plant designs. How to make engines more powerful but more fuel efficient is a question with seeming contradictions. But by applying new weight saving materials in partnership with innovative electronics, Hyundai has created a new breed of engines that deliver higher output without sacrificing fuel economy. These engines are quieter, smoother and more dependable than ever. By following the recommended maintenance schedule, Matrix will last many years and many miles down the road.



### The Keys to a Better Ride

Up front, Matrix is fitted with MacPherson struts and coil springs while the rear axle rides on a dual link and coil setup. Gas-filled shock absorbers—the choice on high performance cars—ensure superior damping control plus optimal ride and handling characteristics.

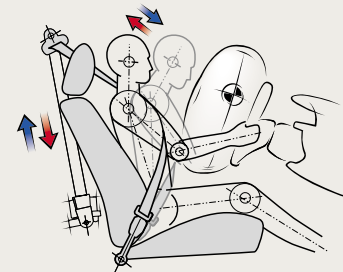




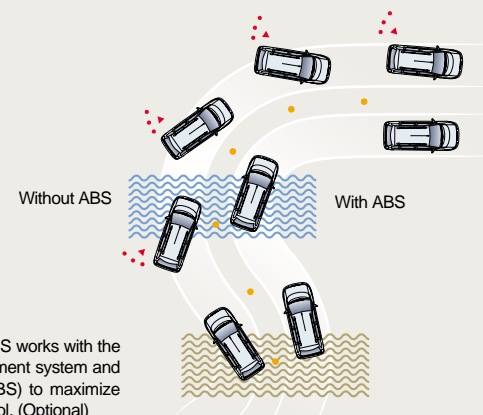
**Steel Safety Cage**  
 Matrix's bodyshell has been reinforced at critical points with high-tensile strength steel to create a highly rigid safety cage. To reduce the risk of side intrusion, doors are reinforced with members made of high-tensile strength steel.

## After All, It's **Safety That Matters Most**

Matrix is the latest example of Hyundai's uncompromising dedication to car safety. Protection begins with the bodyshell which has been reinforced at critical points with high-tensile strength steel to create a highly rigid safety cage. In a collision, structures deform in a precalculated manner to absorb impact energy while airbags provide an additional line of defense. Dual front and side airbags as well as a front seatbelt pretensioning system are available as options. Braking power is supplied by a tandem booster and ventilated front disc brakes. ABS with Electronic Brake Force Distribution is also available.



**Seat Belt Pretensioning System**  
 This optional system works in conjunction with the airbags to offer front seat occupants maximum protection and reduce the risk of chest and face injuries. On detecting an impact that has triggered airbag deployment, seat belt webbing is reeled in and then paid out within a fraction of a second. Matrix airbags are the latest depowered type.



**Traction Control System**  
 On detecting wheel spin, TCS works with the engine's electronic management system and anti-lock braking system (ABS) to maximize traction and directional control. (Optional)







## Technology that puts the environment first


At Hyundai Motor, a greener world is a more than a dream: It's an emerging reality thanks to the new technologies we are pursuing to optimize product life cycles and minimize the adverse impact of our vehicles on the environment. To help conserve scarce natural resources and reduce the pressure on landfills caused by needless waste, Hyundai Motor has been aggressively advancing its recycling program and implementing cleaner manufacturing concepts. Since the early '90s, Hyundai Motor Company has been making systematic efforts to improve its recycling program and in 1996, the company began a three-year national research project to develop a comprehensive program for the dismantling and recycling of end of life vehicles.



Today, all automotive parts are systematically coded to facilitate recycling at the end of the vehicle life cycle. Moreover, in the design of complex assemblies, especially plastic assemblies preference is given to a single material composition in order to facilitate disassembly. All Hyundai Motor plants meet the environmental management standards defined by the International Standards Organization and are ISO14001 certified. Accordingly, the company's plants are making systematic efforts to reduce fresh water consumption, maximizing the use of reusable packaging whilst minimizing the use of restricted hazardous materials such as chromium compounds and mercury to cite but two examples. Furthermore, efforts are being stepped up to use more recycled steel, glass and plastics in the manufacturing of new car parts. Hyundai Motor suppliers and engineers are now working under new environmental directives: increase the recycled content of new cars whilst minimizing the use of raw materials and waste in production processes.



For more information

 <http://www.hyundai-motor.com>



# More

MATRIX







#### Under tray

New to Hyundai vehicles, the under tray makes use of dead space below the dash with a shelf wide and deep enough to hold umbrellas and other large objects.



#### Glove box

Built extra deep and durable, the glove box on the Matrix accommodates large and heavy items.



#### Multibox

Situated beside the steering wheel, the multibox serves as a handy receptacle for a variety of small odds and ends.



#### Backrest pockets

For the convenience of rear seat passengers, both driver and front passenger backrests feature wide pockets for stowing magazines, maps, or other flat articles.



#### Door map pocket

Sturdy and extra large, door map pockets on front and rear doors store maps, atlases, magazines and even bottles.



#### Seat under tray

The seat under tray handily meets all the storage needs of front seat passengers.



#### Luggage under box

A hidden compartment ideal for valuable belongings, the luggage under box is only accessible with the rear seats double folded down.



#### Luggage side box

Bringing "dead space" to life, the luggage side boxes are handy receptacles for tools and small items.



#### Cargo net & hooks

Made of long-lasting, durable materials, the cargo net and hook assembly gives odd-shaped and loose items a home.



#### Cargo screen

Attached to the rear backrests, the cargo screen facilitates cargo loading and unloading, conceals the luggage room, and elevates the interior appearance.



#### Rear seat armrest

With a flip-open cover to access the integrated drink and cupholders within, the retractable rear seat armrest combines rich upholstered good looks and utility.



#### Fold-up trays

Fold-up trays with built-in cupholders are a thoughtful convenience for rear seat passengers.





#### Passenger side cupholder

A Hyundai's first, the front passenger has their own individual cupholder in a slide-out drawer assembly.



#### Drink holder

A double-folded drink-holder slides out from behind the floor console for the convenience of rear seat passengers.



#### Center console with power outlet

Center console features a power outlet and a cupholder.



#### Sunvisors

Padded sunvisors include vanity mirrors and come with a ticket holder on the driver side.



#### Safety Grips

Each window seat comes with an overhead safety grip Matrix passengers will appreciate.



#### Power outlets

Two handy 12V 120W power outlets, one in the floor console and the other in the cargo room, are ready to recharge everything from mobile phones and laptop PCs to electronic games.



#### H280

The H280 audio system features a full package of radio, cassette, and CD for concert-hall sound quality on the open road.



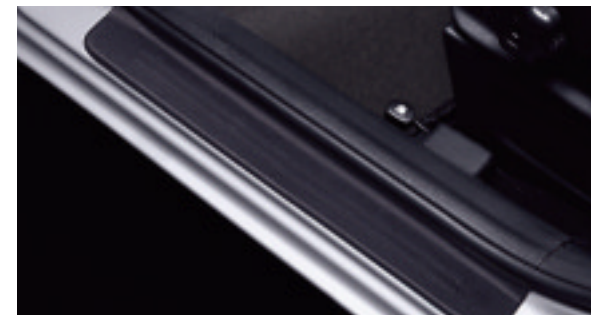
#### Door Lamp

Safety door lamps provide an extra margin of protection.



#### Center cluster

Standard 4-dial gauge cluster is redeployed with a layered, 3D visual effect and positioned in the center of the dashboard. The high-tech trip computer is optional with GLS trim.



#### Scuff Plate

Door sills will stay neat looking because they are protected by a durable plastic scuff plate.



#### Driver Door Console

The curved console puts power window and lockout switches at the driver's fingertips.



#### Sunroof

Optional sunroof is designed for open air enjoyment.



## COLOR & TRIM GUIDE



## WHEEL & LINE UP



- Some of the equipment illustrated or described in this catalogue may not be supplied as standard equipment and may be available at extra cost.
- Hyundai Motor Co. reserves the right to change specifications and equipment without prior notice.
- The color plates shown may vary slightly from the actual colors due to the limitations of the printing process.
- Please consult your dealer for full information and availability on colors and trim.

## SPECIFICATIONS

### ENGINE

Type	1.5 CRDi	1.6 I4 DOHC (unleaded)	1.8 I4 DOHC (unleaded)
Displacement (cc)	1493	1599	1795
Bore x Stroke (mm)	83 x 92	76.5 x 87	82 x 85
Compression Ratio	17.7	10.0	10.1
Max. Power (kW/rpm)	60.3 / 4000	76 / 5800	90.2 / 6000
Max. Torque (Nm/rpm)	184 / 1900-2600	141 / 4500	161.9 / 4500

\* On leaded fuel engines, power & torque figures vary in accordance with local fuel and climate characteristics.

### DRIVE TRAIN

Type	Manual			Automatic	
Engine	1.5 CRDi	1.6 GASOLINE 5-Speed	1.8 GASOLINE	1.6 GASOLINE 4-Speed Transaxle with Floor Shift	1.8 GASOLINE
Gear Ratio	1st	3.615	←	←	2.846
	2nd	2.053	←	←	1.581
	3rd	1.370	1.393	←	1.000
	4th	0.971	1.061	←	0.685
	5th	0.733	0.837	←	-
	Reverse	3.250	←	←	2.176
Final Gear Ratio	3.842	4.056	←	4.381	4.345
Lubricant Oil Capacity (ℓ)		2.15		6.1	6.7

### STEERING WHEEL

General	4-Spoke Steering Wheel (3-Spoke without Airbag), Energy Absorbing Collapsible Steering Column
Overall Steering Gear Ratio	15.87
Steering Wheel Turn (Lock to Lock)	3.19

### WHEEL & TIRE

Wheel	5.5J14 (5.5J15 / 6.0J15)
Tire	185 / 65R14 (195 / 55R15, 205 / 55R15)
Spare Tire	Temporary Tire (Full Size)

### SUSPENSION

Front	MacPherson Strut with Coil Spring
Rear	Dual Link
Shock Absorber	Gas

### DIMENSIONS

Type	5-DR HATCHBACK	
Exterior (mm)	O. A. L	4025
	O. A. W	1740
	O. A. H	1635(With Roof Rack: 1685)
	Wheel Base	2600
	Wheel Tread	Front / Rear 1485 / 1485
	Over Hang	Front / Rear 790 / 635
Interior (mm)	Leg Room	Front / Rear 1046 / 956
	Head Room	Front / Rear 1027(With Sun Roof: 982) / 999(With Sun Roof: 987.5)
	Shoulder Room	Front / Rear 1397 / 1405
	Hip Room	Front / Rear 1340 / 1360
Minimum Ground Clearance (mm)	160	
Minimum Turning Radius (m)	5.2	

### DIMENSIONS

