

PRESS INFORMATION

COLT

Heart-Beat Motors



MITSUBISHI MOTORS

# COLT

PRESS INFORMATION

## Contents

---

**04 The development team leader tells his tale:**

Ryugo Nakao

**06 Class-eclipsing quality levels**

Exterior design / Interior design / Packaging & Seating /  
Convenience features & Electronics

**14 Balanced performance**

New MIVECS engine & CVT / Platform & Body / Airbags & Chassis /  
Customer Free Choice / Accessories

**24 Production & quality**

**26 The designer tells his tale:**

Olivier Boulay

**28 Customer satisfaction for all**

**31 Colt history**

**32 Specifications**

**34 Equipment and appointments**

---

New concept raises next-generation compact ante. Class-eclipsing quality and performance, with ability to tailor specification to taste equals customer satisfaction formula.

That's Colt!







The development team leader tells his tale

## Colt incorporates everything people seek in a compact today

Ryugo Nakao

Strategic Project leader, Colt Development

### Compacts - Confidence & Pride

At the outset of Colt's development, the development team chose a keyphrase to focus and gel its determination: Compacts - Confidence & Pride. MMC has not had a compact in its lineup to date and Colt marks the company's entry into this highly-competitive segment. The keyphrase established our target: creating a car that we could offer to customers with confidence and pride; building in levels of quality that we could be sure would win their admiration and satisfaction.

Both in the automobile and other sectors of the consumer goods market, consumers today are basing their purchase decisions on more than purely rational grounds as they seek a suggestion of extravagance, a touch of luxury in their choice. In other words, they are looking for added-value that places the item in a class or category slightly higher than to be expected, and this applies just as much to the automobile. So, we decided to incorporate in Colt a new added-value: building in levels of quality and performance that take it out of its class; and also offering a degree of freedom in the choice of equipment and trim that would appeal to and satisfy the widest spectrum of individual tastes.

Class-eclipsing levels of quality and performance. A laudable aim indeed, but no easy task to accomplish. It would require the conciliation, at unprecedented levels, of what appear to be contradictory parameters: offering classy exterior and interior designs and high safety performance at reasonable prices; delivering outstanding dynamic performance while also returning excellent mileage and clean emissions. As we started out on the development path, we resolved that we would make no compromises and would never say die in our mission to achieve these goals.

### Driven by youthful energy

A major constituent element in Colt's quality lies in its design. Heading the design team, Olivier Boulay brought with him a European taste in elegance and an insistence on the genuine article. The defining element in Colt's design is the "one-motion form" that flows the whole length of the body. This caused some impassioned exchanges between the engineers, who were concerned about how difficult this would be to realize using conventional structures, and Mr Boulay who was absolutely determined to bring it to life. In the end, the enthusiasm and willingness to try something new on the part of younger members of the engineering team won the day and gave birth to this original and exciting form.

It was a similar story with the headlamps - a crucial element in defining the front visage. The drive for quality on the part of the younger designers won over the design team and produced a headlamp design that is unrivalled in its classy, high quality look; one that hints at premium class membership. So, you can see how Colt really does represent the crystallization of youthful energy.

### The female touch

The interior is the area of the car where its occupants spend the most time and that they come into the most intimate contact with. Colt's interior was subjected to the same uncompromising and determined quest for class-eclipsing quality as the exterior. The styling of the dash and instrument panel, and class-topping interior length and width dimensions realize a high-quality interior space that offers relaxing physical comfort.

Colt's interior is also defined by its extensive small-item stowage, as represented by a box-tray under the front passenger seat squab cushion. Raising the squab cushion reveals a generous stowage locker. Developed to a "concealed stowage" concept, this feature enables small items to be stowed away neatly and securely. This idea stems from a proposal submitted by younger personnel at head office on the theme of giving Colt new kinds of added-value. The seat designer was so intrigued by the idea that he devoted much time and



energy to finding a way to incorporating it.

Particularly determined to reflect female consumer values and tastes in Colt's design, the development team formed a Ladies Evaluation Team for the purpose. One area where the team's recommendations have seen the light of day is the considerable freedom the customer is offered in his or her choice of interior trim. All in all, then, it would be no exaggeration to say that Colt is a car which embodies and offers everything imaginable that is sought of a compact in today's market.

### High rating in Europe

We conducted a number of clinic surveys in Japan and overseas during the development process and Colt was highly rated for its styling - both the exterior and interior designs. Aiming for an exterior design with global currency, we held clinics this summer in Europe and Colt was accorded ratings that exceeded compact models currently on the market there. We are convinced Colt is a car that we can recommend, with every confidence and pride, to the car buying public.

We feel the same about build quality. Colt has met the stringent standards of the MMC Quality Gate system with flying colors at every step from the development process through to post-production inspection. This is why we are confident we can deliver absolute quality to our customers.



Class-eclipsing quality

1

## Classy exterior declares new MMC design identity

Colt was developed to the key concept of establishing a design position for the next-generation compact. A new entrant in the crowded and intensely competitive compact class, Colt unveils a very distinctive and appealing exterior design flowing from brushes laden with class-eclipsing quality and compact-edging-on-premium styling. Encapsulating a highly comfortable interior space, Colt's form punches out a strong statement as it declares the new Mitsubishi design identity.



Exterior image sketch

### New form cocoons comfortable living space

Silky lines flowing almost lazily and without interruption from the front fender to the trailing edge of the roof. The innovative "one-motion form" that marks Colt's exterior in such a distinctive and appealing manner fully embraces the design ideal of maximizing occupant space within restricted exterior dimensions.

In their quest to realize optimum functionality, Colt's designers have used this silhouette to create an emotional shape that is at the same time original, clear-cut and dynamic. And going beyond the lines of the one-motion silhouette, they have bestowed upon the whole body a simple and clean surface treatment. The use of smoothly curved surfaces with few peaks and valleys produces an exterior that hints strongly at the comfortable living space it encloses. In addition, the stable and road-hugging appearance that results from placing the

wheels at the four corners of the body, the smooth and tautly flared wheel arches, the side surfaces that appear to flow round and tuck naturally into the rear: each of these styling elements gives expression to the outstanding road performance qualities they embrace. Even when stationary, Colt's form appears charged with athletic energy; a big cat crouching ready to pounce on its prey.



"One-motionform"

### Front visage centered around three-diamond logo

Centered around the three-diamond badge, the front-end defines the new MMC design identity. The location of the triangular base for the badge in the center of the grille and the 3-D continuation of the motif into the engine hood serve to draw the eye to the badge and to accent its presence. This new-look front visage projects the eagerness and the confidence with which MMC is boldly striding into the future.



Front visage

Headlamp

### Compact-edging-on-premium

A major aim in the development of Colt's design was to realize a quality appearance that clearly surpasses compact stereotypes. The way the surrounding scenery is reflected beautifully on its clean, smoothly curved surfaces speaks loud for the high quality-look and finish of Colt's body. The headlamps, which visually tighten up the expression on Colt's visage, are given a 3-D styling treatment behind their clear lenses to project a look of functional elegance and fine quality. Headlamp trim is tailored to the individual characters of the different versions: chrome reflector surrounds accentuate



Elegant version



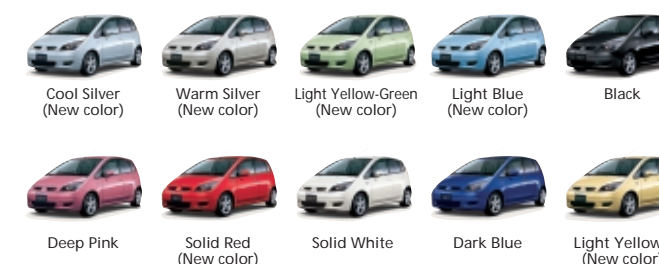
Sporty version

Elegant's chic and graceful persona; while dark metal surrounds add to Sporty's casual and athletic image. At the rear, vertical design tail lamp units enable the largest possible tailgate opening, while their oversize dimensions give expression to Colt's egalitarian personality. This attention to fine detail generates in Colt a quality appearance that takes it out of the compact and edges on the premium class.

### Choice of 10 body colors

Colt is offered in ten body colors, comprising two ranges. Lending a more grownup, dependable air to the car, the six-color "mature" range comprises: sporty Red, cool Silver, calm and composed White and Black, elegant Dark Blue and warm Silver. Accenting Colt's hi-tech and graceful properties, the four-color "refresh" range comprises: sporty Light Blue and Light Yellow\*; Deep Pink, and elegant Light Yellow-Green. A choice wide enough to cover all consumer tastes and make color selection fun.

\*Light Yellow available March 2003



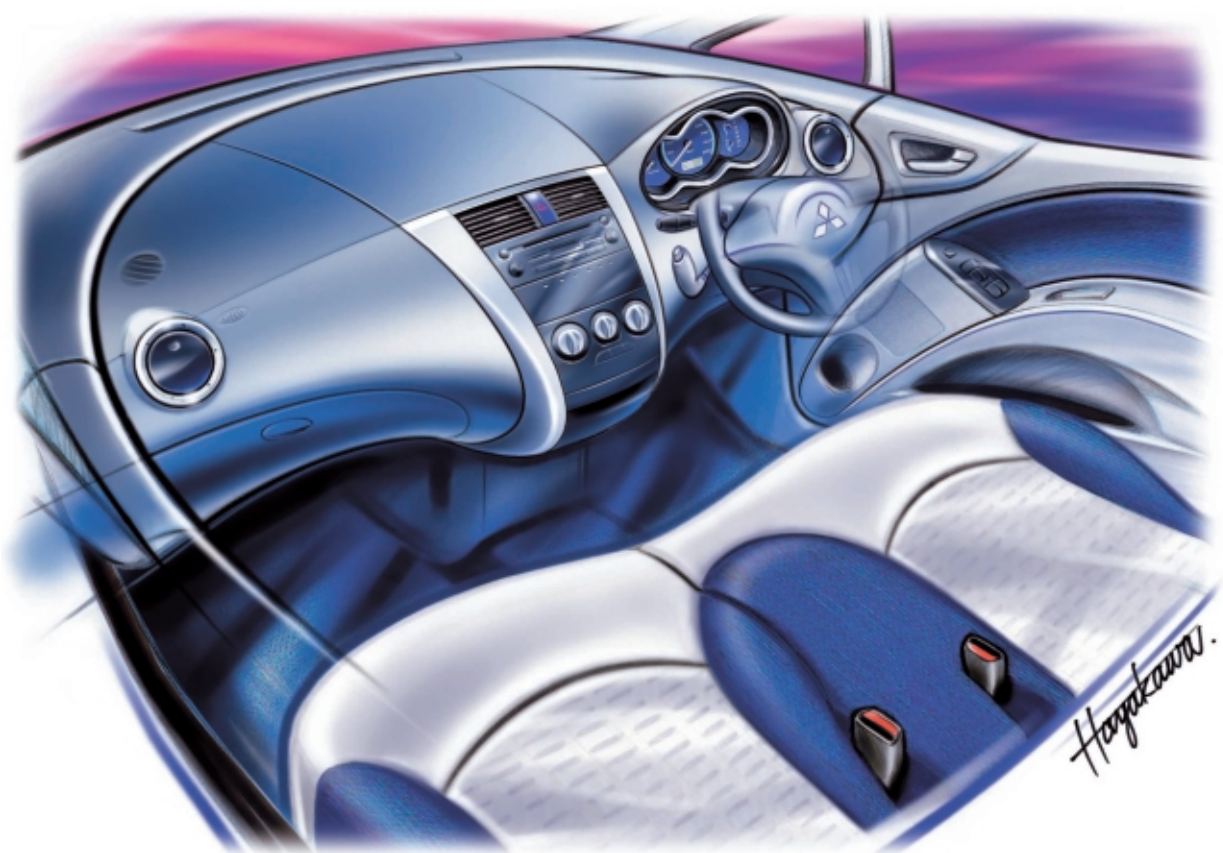


Class-eclipsing quality

2

## Interior: modern, elegant, comfortable

Keeping to the key concept of establishing a next-generation compact class design position, Colt's interior was developed in an interest-holding, modern and elegant design. In a clean yet elegant and comfortable design, Colt's interior features shapes, an atmosphere and material tactile sensations that have been painstakingly selected to ensure it retains the owner's long-term affection.



Interior image sketch

### Gently sweeping lines delineate dash and instrument panel

Set in smooth and curvaceous surrounds, Colt's dash and instrument panel take simple and clean as design keynotes. In a graceful and generous composition, simple and clean lines and surfaces cocoon front occupants in a sweeping wrap-around design that is further defined by the expansive dashboard surface which flows sweetly into the center panel.

Creating an airy openness and a reassuring look of occupant safety and comfort, the interior also achieves exquisite

harmony with the "one-motion" dynamic of the exterior. To visually maintain the flowing connecting with the dashboard, careful attention has been given to the surface composition of the door trim. With the emphasis on deeply embracing its occupants, this serves to enhance Colt's richly generous personality. Another defining feature in Colt's interior is the seamless fusion between function and design achieved in the power window switches, the speakers and the cup/bottle holder built into the door trim.

### Cool & Warm: two tasteful personalities

The development team has spared no effort in creating an interior design rich in emotional content. Colt is offered with a choice of two interior trim and color schemes - Cool and Warm - to realize a class-eclipsing degree of tasteful elegance as well as to strike a sympathetic chord with as broad a customer base as possible.

The Cool interior sets off the bluish-gray based color scheme using a glossy dark gray with a hint of blue for the center panel and a metallic finish for the garnish panels to create a casual and sporty mood inside the car. The seats are upholstered in a light-gray cloth with a sheen finish and the side panel trim uses a dark blue cloth to generate a sporty, hi-tech look interior.

The Warm interior, meanwhile, highlights the dark brown and beige based color scheme using silver-gold for the center panel and wood-grain finish for the garnish. The vibrant color arrangement and use of choice-quality materials evokes a chic and elegant living room image. And calling to mind computer chips, the unobtrusive pattern in the beige seat upholstery imparts a modern and Japanese hi-tech flavor.



Cool interior



Warm interior



Cool cockpit



Warm cockpit

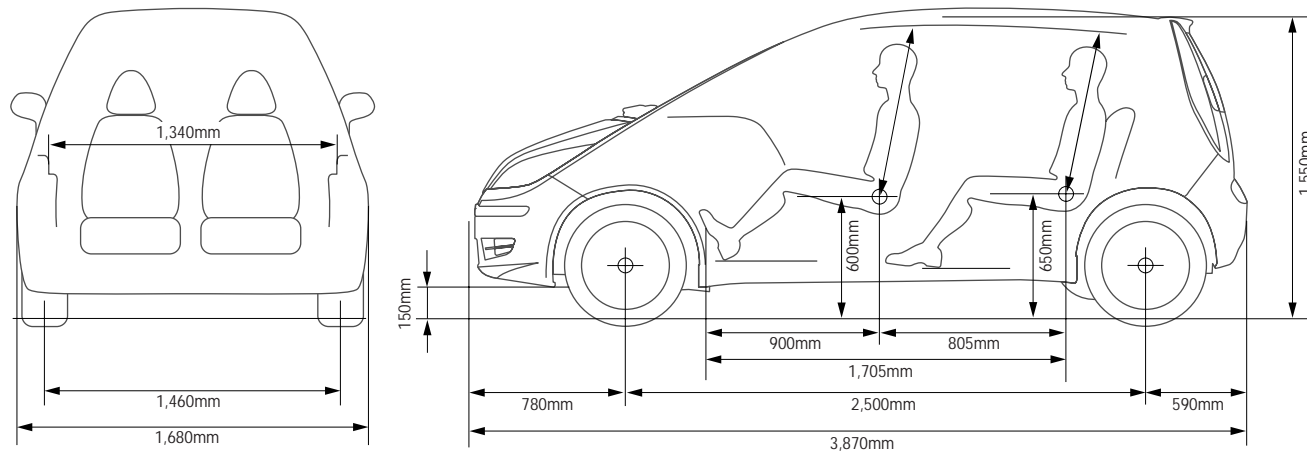


Class-eclipsing quality

3

## Generous packaging and functional seating enhance comfort and car life enjoyment

The days are gone when consumers had to grin and bear cramped and uncomfortable interiors in small cars. Colt tops its class in terms of interior space roominess. Careful attention to seat shape and seated height brings outstanding comfort with easy and natural entry and exit, while the extensive range of seating adjustments makes for a very relaxing and fun-to-ride interior.



### Dimensions (mm)

Overall length	3870
Overall width	1680
Overall height	1550
Wheelbase	2500
Front overhang	780
Rear overhang	590

Track	Front	1460
	Rear	1445
Front leg space		900
Rear leg space		805
Total living space		1705
Front shoulder room		1340

Headroom	Front	920
	Rear	860
Seated height above ground	Front	600
	Rear	650
Minimum ground clearance		150

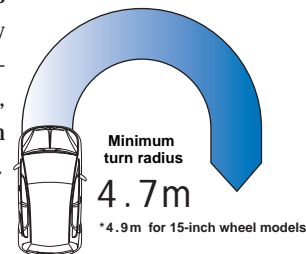
### Class-topping living space with easy entry and exit

Colt's long 2,500mm wheel base accounts for no less than 65% of the overall length. From this, the development team has extracted class-topping effective interior length of 1,705mm and front shoulder room of 1,340mm to realize a generously roomy living space. Fixing the front seated height at 600mm both facilitates entry and exit and provides excellent forward visibility.

Colt is available with a bench front seat which teams up with the column-mounted Smart Shift lever and foot-operated parking brake to provide generous foot and leg room for front occupants. This feature enhances convenience both in the form of the side walkthru that connects front and rear compartments as well as by facilitating vehicle boarding and alighting in confined parking spaces.

### Easy-drive visibility and maneuverability

Colt provides excellent forward visibility and makes it easier to judge the position of the front of the car. Design elements contributing to this include the high-set eye point, the low height of the dash and instrument panel – which creates an airier feeling in the cockpit as well as improving visibility – and the A-pillar trim which has been designed with field of view in mind. And with its turn-on-a-penny turn radius of 4.7 meters, Colt is a dream to maneuver in narrow streets or when garaging.



### Two front seat configurations

Colt is offered with a choice of two front seat configurations: a comfort-biased bench seat which enhances the side walkthru convenience feature; and, individual seats which locate the occupant more securely in sporty driving. Both seat types have a generous 250mm travel and 50mm height adjustment (driver's seat), enabling occupants to easily obtain the optimum seating position.



Bench front seat



Independent front seats



Height adjustment (pneumatic)

### Comfortable rear seats with good visibility

Colt also offers a choice of two rear seat types: bench; and individual squabs with a 50-50 split backrest. Both types feature 150mm travel adjustment (individual seats may be adjusted separately) and the backrests recline through 20-degrees from upright. 50mm higher than the front seats, the raised rear seats give rear occupants excellent visibility to make for a more interesting and pleasant journey. Rear seats are fitted as standard with a ISOFIX child safety seat retainer bar. Folding the rear seats forward (2WD models) creates a cavernous 594-liters (VDA) of space that swallows up larger items of luggage.



Individual rear seats (each slides and tumbles independently)



Seat height provides good visibility



ISOFIX child safety seat



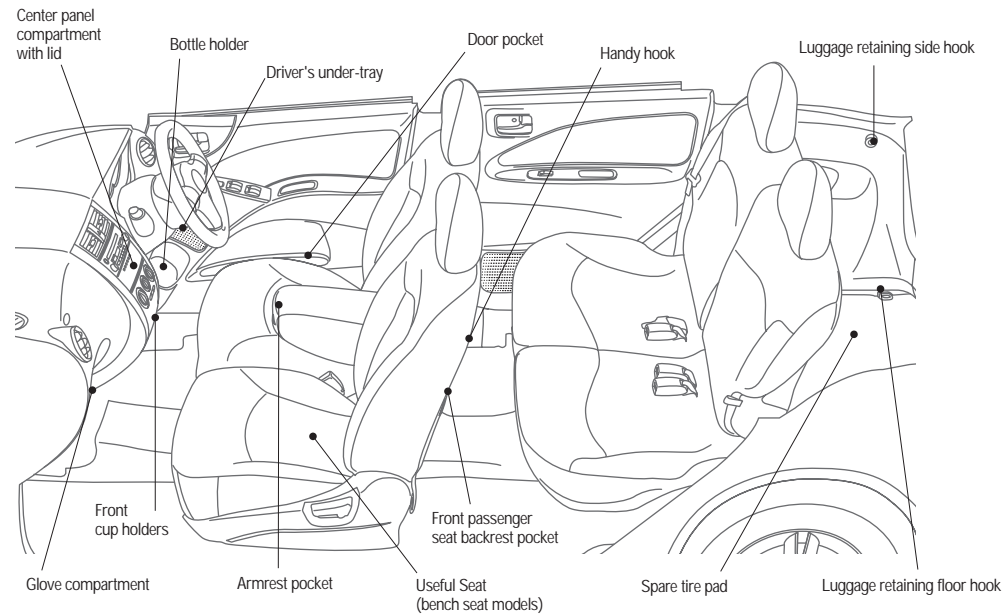
Both rear seats folded forward

Class-eclipsing quality

4

## Stowage space: exceptionally convenient, versatile. Convenience specification: comprehensive and electronically driven

Colt's class-eclipsing design and packaging quality is complemented by class-transcending levels of ease of use and convenience. Starting with the Useful Seat front passenger seat which converts into a large box-tray, small-item stowage is generously provided at strategic points throughout the interior. And using newly developed control units, Colt also sports a comprehensive array of convenience features not normally found in its class.



### Useful Seat

On bench front seat models, the passenger seat squab can be flipped up to provide 6.1-liters of concealed stowage space for small items. This holds five 500ml PET soft-drink bottles or can be used to conceal handbags and other items of value from prying eyes. The squab can be locked in the raised position to use retaining hooks fitted to the underside to transport shopping bags upright. In this position, the seat also provides space for transporting the family pet and also stops items of luggage rolling across the seat towards the driver.

### Central system tray

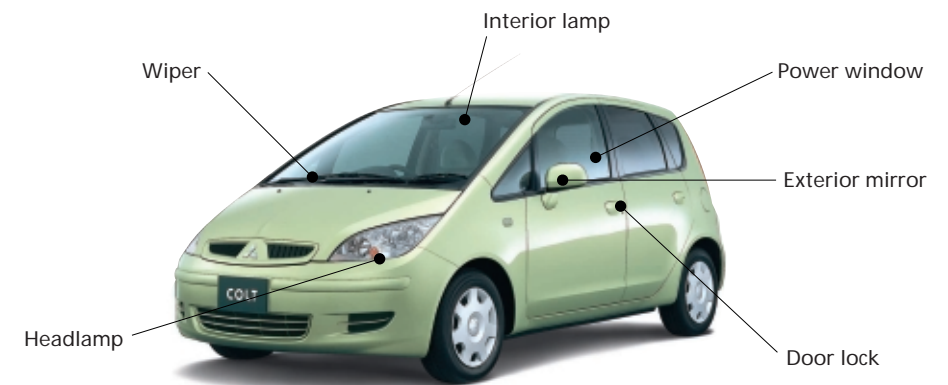
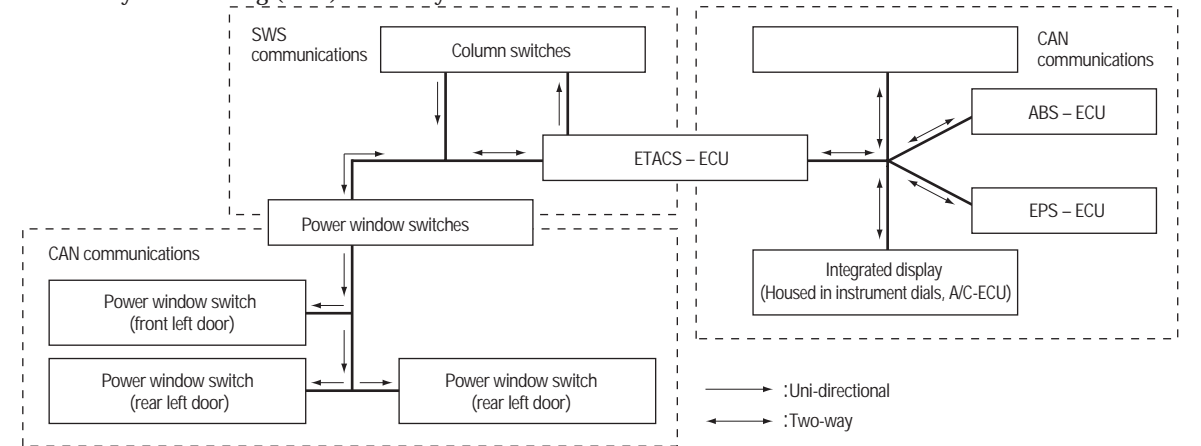
Individual front seat models are available with a system tray fitted between the seats. Among its handy features is a cup holder tray that slides out and can also be removed for handling hot drinks around the cabin. Dealer-fitted options for the system tray include a petit-dome box and MD box.



System tray (individual front seat models)

### Electronics drive class-eclipsing convenience specification

Colt sports a comprehensive convenience equipment specification that is driven by a high-speed in-car communications network built around the on-board Electronic Timers And Control System (ETACS) and Electronic Control Units (ECU). Features controlled by the network and that elevate Colt out of its class include: anti-trapping power windows, auto-deploy exterior mirrors and automatic "headlights on". This multiplex network is linked to the engine and chassis controller communications network (CAN), which eliminates wire harnesses and enables high-speed problem diagnosis of individual ECU's, to new door-to-door communications control and to the body smart wiring (SWS) control systems.



### Electronically-controlled features

Door locking	<ul style="list-style-type: none"> <li>Operating the driver's door inside handle automatically disengages locks on all other doors. Can be programmed so that locks on all doors are disengaged when shift lever is moved to P.</li> <li>When doors have been locked by keyless entry system, horn sounds and hazard lights flash if attempt made to open doors in any way other than by keyless entry system.</li> <li>Door locking automatically reengages 30 seconds after being opened by the keyless remote controller, guarding against accidental door unlocking through mistaken controller operation.</li> </ul>
Interior lighting	<ul style="list-style-type: none"> <li>Comes on when key is removed from ignition with all doors closed, and switches off automatically 15 seconds later.</li> <li>Comes on when door is opened, dims on closing and switches off 15 seconds later.</li> <li>On entering car and closing door, ignition key cylinder illumination comes on for 30 seconds.</li> </ul>
Exterior door mirrors	<ul style="list-style-type: none"> <li>Automatically deploy from park position when vehicle speed tops 30 km/h.</li> <li>Can be parked or deployed using keyless remote controller from outside vehicle.</li> </ul>
Headlamps	<ul style="list-style-type: none"> <li>Ambient light sensor automatically switches headlights on in low-light conditions, such as at dusk or when entering a tunnel, and off when light level increases. Sensor may be adjusted for sensitivity.</li> <li>Automatic off system turns headlamps and fog lamps off when driver's door is opened, thereby preventing battery drainage.</li> </ul>
Wipers	<ul style="list-style-type: none"> <li>Intermittent operation interval is automatically varied for vehicle speed.</li> <li>Intermittent rear screen wiper operates automatically if shift lever moved to R for better visibility when reversing.</li> </ul>
Power windows	<ul style="list-style-type: none"> <li>Windows may be operated from outside vehicle using the keyless entry remote.</li> <li>Single-touch operation of all windows from driver's seat.</li> </ul>

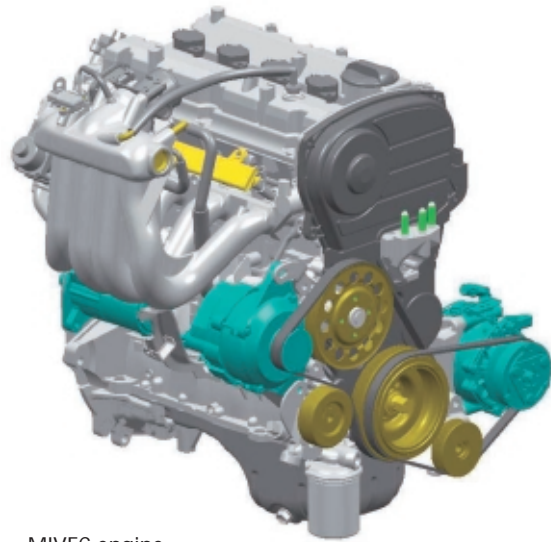


Balanced performance

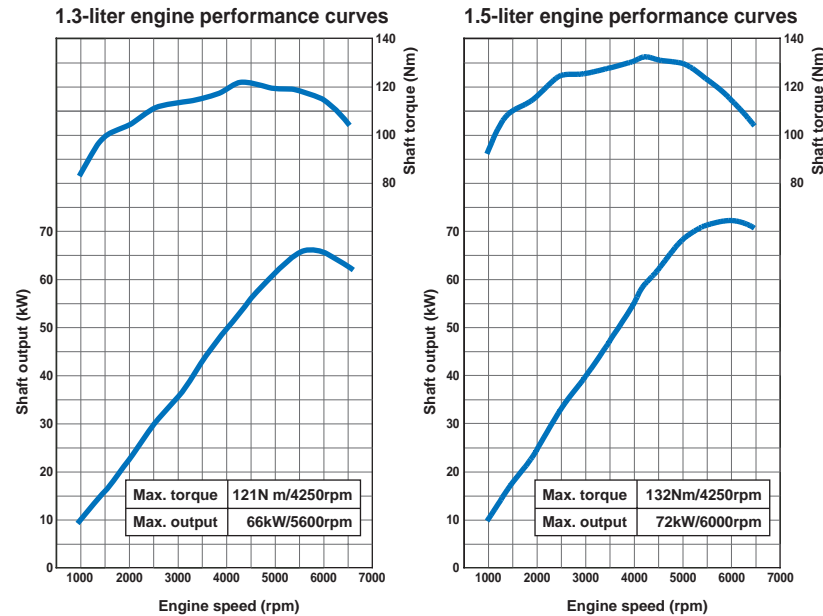
1

# New engine & CVT strike neat balance in dynamic and environmental performance

Colt strikes the best possible balance between dynamic and environmental performance. Integrated electronic management of MMC's own MIVEC engine and CVT powertrain is just one of the cutting-edge technologies Colt employs to deliver class-topping levels of dynamic performance, fuel economy and clean emissions, thereby realizing premium class levels of road and environmental performance.



MIVEC engine



### Engine specifications: 1.3-liter, 1.5-liter

	1.3-liter	1.5-liter
Type	4G19	4G15
Displacement (cc)	1,343	1,468
Bore x stroke (mm)	75.5 × 75.0	75.5 × 82.0
Compression ratio	10.0	10.0
Valve train	16-valve DOHC	16-valve DOHC
Grade of fuel	Unleaded regular	Unleaded regular
Fuel delivery	MPI injection	MPI injection
Max output < kW(PS)/rpm >	66<98>/5600	72<98>/6000
Max torque < Nm(kg-m)/rpm >	121<13.3>/4250	132<13.5>/4250
Emissions performance certification	U-LEV (☆☆☆)	U-LEV (☆☆☆)

### CVT specifications

	1.3-liter	1.5-liter
Type	F1C1 (2WD)	F1C1 (2WD)
Shaft spacing (mm)	236	236
Stall torque ratio	2.1	2.0
Stall torque capacity (N10-6N.m / rpm <sup>2</sup> )	17.6	20.0
Gear ratios < Overall reduction ratio >	2.319-0.445 <12.103-0.000>	
Reverse	2.588<13.507>	
Final reduction ratio	5.219 (2WD)	

### New MIVEC engines

Colt is powered by two new 1.3-liter and 1.5-liter MIVEC engines that strike the optimum balance between generating gutsy and relaxing power and torque, returning easy-on-the-pocket mileage and delivering very clean emissions performance. With its short stroke design, optimized intake port configuration and optimization of intake valve timing for all engine speeds, the 1.3-liter engine realizes stress-free dynamic performance across the full rev range while returning outstanding fuel economy. Both 1.3-liter and 1.5-liter engines successfully minimize exhaust gas generation by using: dual manifold catalytic converters (MCC) that reduce exhaust interference while increasing exhaust gas purification efficiency; low-friction pistons; a timing belt auto-tensioner; multi-nozzle injectors that promote fuel atomization; and high-precision fuel delivery management.

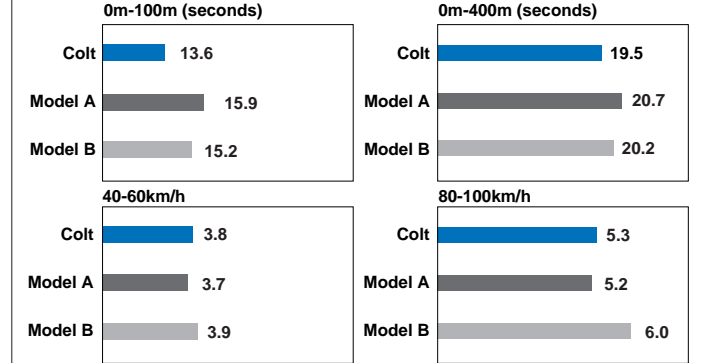
### CVT delivers agile performance

MMC's well-proven continuously variable transmission has been improved for Colt. A smaller pulley piston, a lower pump output volume and careful tuning of the torque converter lockup control are among the modifications that realize high-efficiency transmission of engine power for smooth and agile road performance. Supplied with real-time information on driver power demands by a throttle opening sensor, the integrated engine and CVT management system assures that drive torque is always generated and transmitted to the wheels at optimum efficiency. This translates into maximum fuel efficiency, together with excellent response and smooth power transmission characteristics for all driving conditions.

### Class-topping dynamic performance

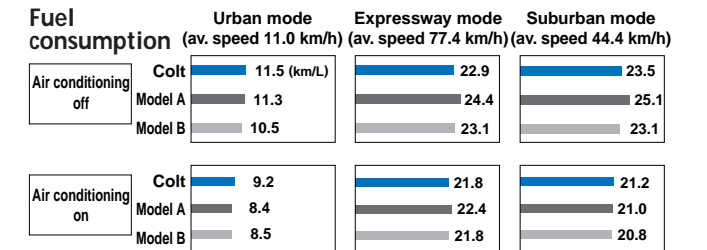
Integrated tuning of the new MIVEC engines and the CVT gives Colt class-topping levels of acceleration - both moving off and passing. No-holds-barred "driving impression & feeling" clinics were used to fine-tune Colt's performance and have resulted in agile and smooth on-road performance that the driver and occupants can feel and appreciate and not just exist as figures in a catalogue.

### Dynamic performance (1.3-liter model)



### Miserly fuel consumption

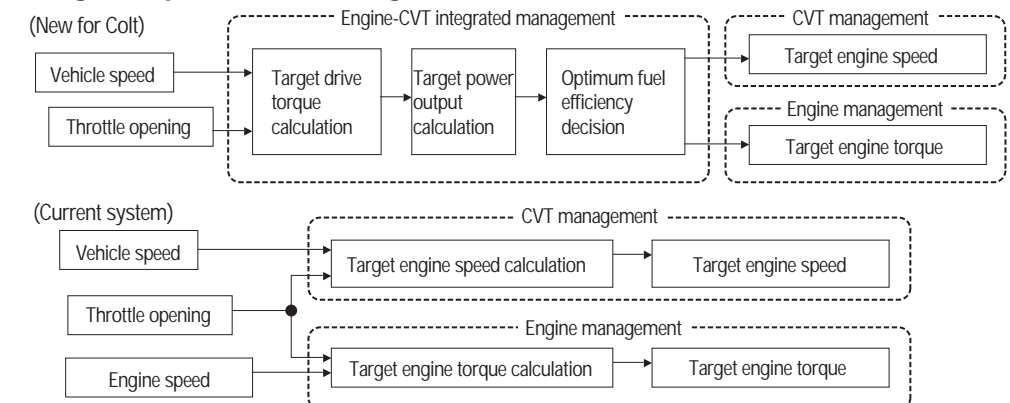
Taking the high-efficiency MIVEC power units, efficiency-enhanced CVT, integrated management of engine and transmission and a new high-efficiency air conditioner, MMC has prioritized fuel economy in the everyday practical world of driving around town. High-speed mileage is equally impressive thanks to Colt's slippery cd=0.31 aerodynamics and with its "one-motion form" and flowing lines playing a major role in reducing air resistance.



### U-LEV certification for all models

Returning emissions 75% lower than required under Japanese 2001 regulations, all models in the Colt series earn ultra-low emission vehicle (U-LEV) certification. This eco-friendly performance is the result of reduced HC emissions from the engine itself and of uprated purification performance stemming from the use of dual trimetal-coated catalytic converters in the exhaust manifold.

### Integrated powertrain management

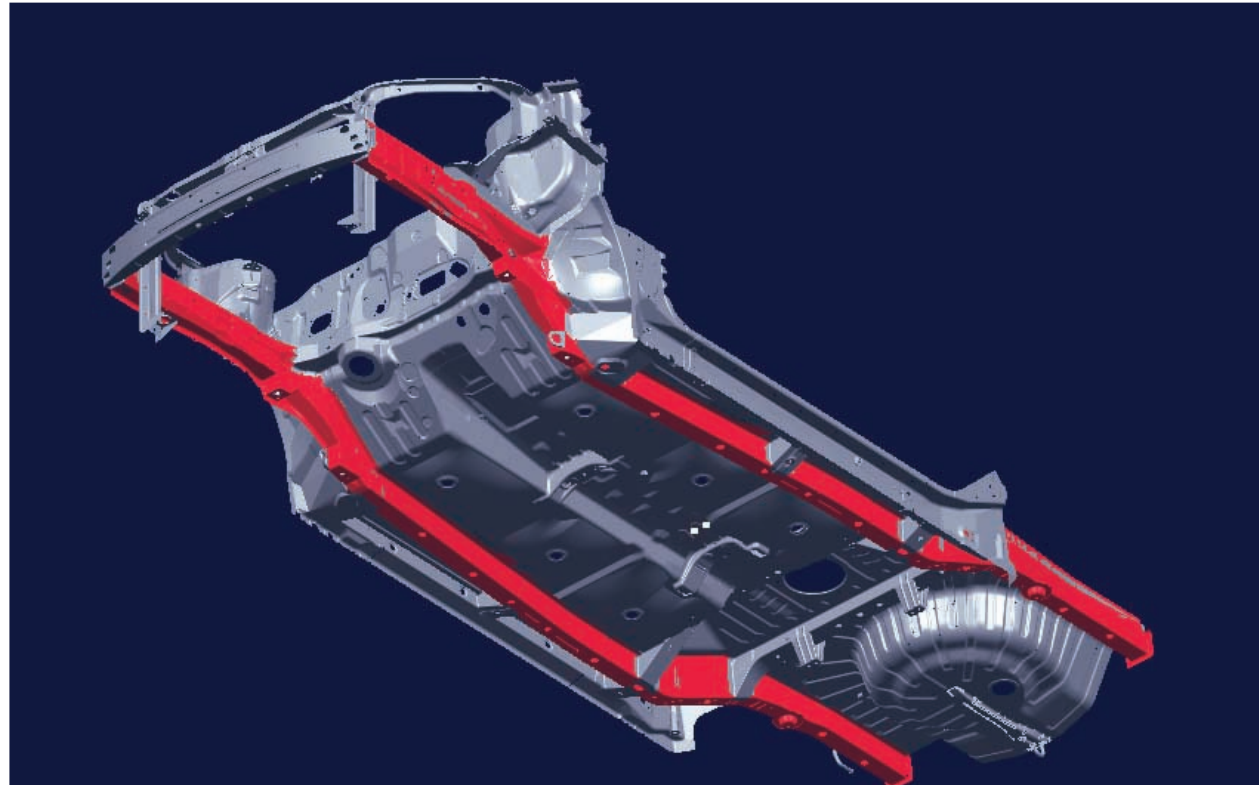




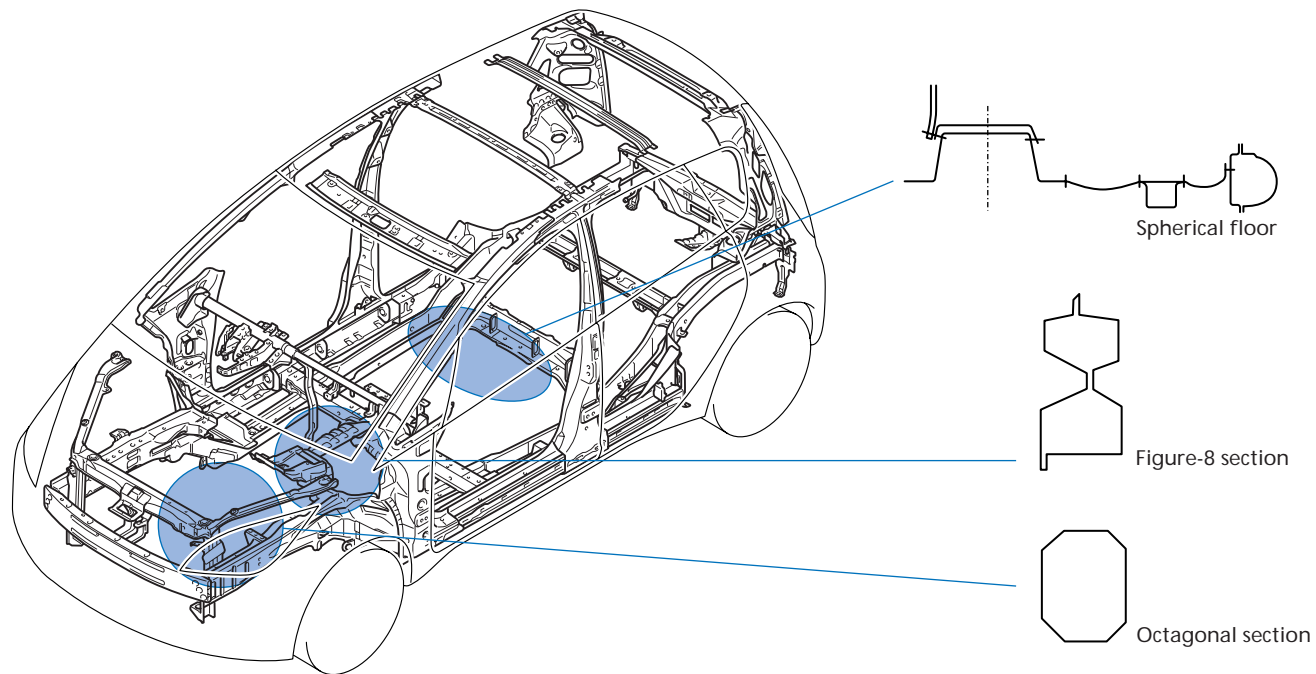
Balanced performance

2

# New platform brings high rigidity, low vibration and crashworthiness



Straight frame rail platform



## New platform brings high rigidity, strength and crashworthiness

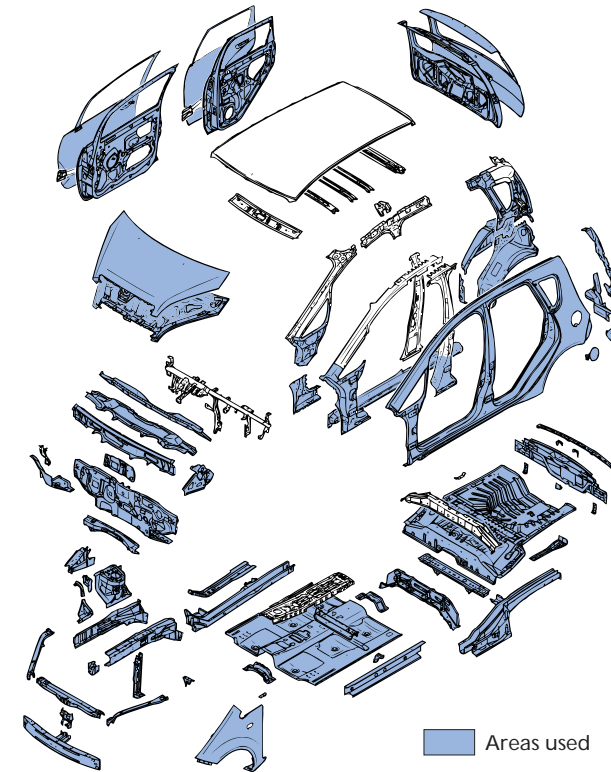
Colt uses a new design platform that is destined to underpin MMC and DaimlerChrysler collaboration. In this "straight frame rail" design, the platform is distinguished by the outer member's small offset and features a skeleton construction that realizes outstanding body stiffness, strength and crashworthiness.

The side chassis member features an octagonal section at its leading end and a figure-of-eight section at its trailing end in a design that raises crash energy absorption efficiency and optimizes frame deformation mode. Large area surfaces such as the doors and floor are given a spherical section to realize a structure that offers significant benefits in terms of stiffness and vibration control.

## Top-level corrosion resistance

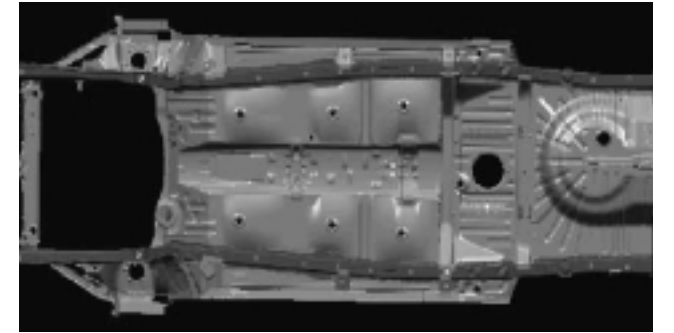
The more extensive use of undercoat and galvanized coated panels and additional body seals boosts anti-corrosion performance significantly.

## Structural members using corrosion-resistant materials



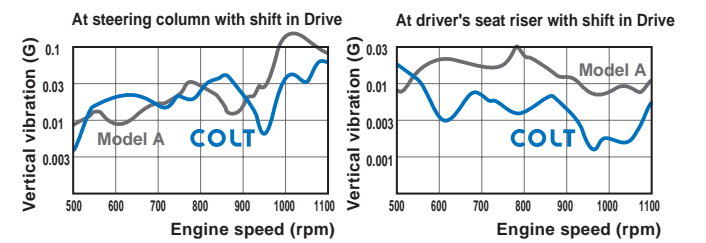
## Interior: sound of silence

The first thing that strikes one about Colt is how quiet and vibration-free its interior is. Making a major contribution to the quietness of the interior is the spherical floor panel section. The greater stiffness of the floor realizes a significant decrease in transmission of vibration. Transmitted vibration and noise have also been reduced with improvements to the engine mounts and the use of stiffer suspension mounts, realizing a surprisingly quiet interior.



Spherical section floor panel

## Vibration comparison at idling



## Reassuring crashworthiness

The new straight frame rail platform makes a significant contribution to Colt's crashworthiness. And with the use of stamped high-tensile strength door panels and strategically located reinforcements, the body provides excellent occupant protection and delivers outstanding crash energy absorption performance. Colt has been given a 5-star JNCAP4 crashworthiness rating for its performance in in-house testing for 65 km/h frontal offset, 55 km/h full-width frontal, side and rear impacts.



Frontal off-set crash test



Balanced performance

3

## Uprated components underpin safe, comfortable driving

Colt moves up to a higher class in the degree of occupant protection it provides – with no less than six airbags available. In addition to the standard front airbags, Colt is available with side airbags for driver and front passenger and with a side curtain airbag providing coverage for all occupants to give added protection in a side impact. The airbags are just one of the many components that make Colt safer and more comfortable to drive and ride than anything in its class.



Side curtain SRS\* airbag



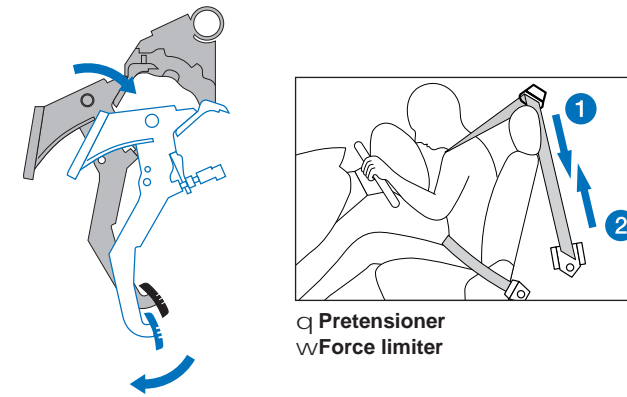
Driver and front passenger SRS\* airbags (deployed)



Driver and front passenger side SRS\* airbags (deployed)

### Safety specification includes 6 airbags

In addition to the standard front airbags, Colt is available with side airbags for driver and front passenger and a side curtain airbag providing coverage for all occupants to give added protection in a side impact. Front seat belts are fitted with a pretensioner and force-limiter that alleviate wearer injury by controlling belt force in a crash. Anti-intrusion brake and foot-operated parking brake pedals prevent ankle and leg injuries in a frontal collision. All models are fitted with a rear seat ISOFIX child safety seat retaining bar that facilitates the anchoring and removal of an ISOFIX child seat. In addition, the impact shock-mitigating front seats feature a cross frame under the squab that limits occupant forward movement in a frontal crash, while the backrest and head restraint are designed to protect the occupant's neck region in a tail shunt.

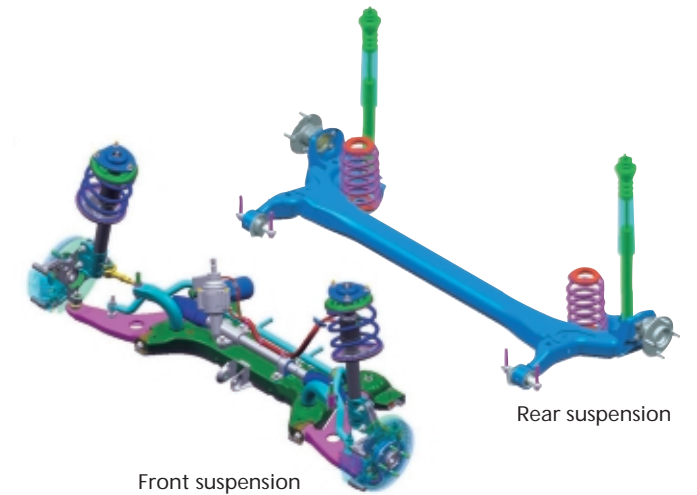


Anti-intrusion brake pedal

□ Pretensioner  
∨ Force limiter

### Suspension delivers pliant handling, comfortable ride

Colt employs a new-design McPherson strut arrangement in the front suspension. The use of a full-length flat-section cross member increases stiffness significantly to realize handling that is pliant and responsive. Weight in the front suspension has been reduced with the use of open-section lower control arms and high-tensile strength coils springs. Optimization of spring location and strut damping, as well as the use of upper shock mount insulators that separate load inputs realizes a very smooth and comfortable ride. The rear suspension uses a new H-shaped torsion beam arrangement. This very compact assembly locates the coil springs under the rear floor and the shock absorbers as far outboard as possible to realize roomy cabin space. Correctors are fitted to the arm bushes to improve handling stability without sacrificing ride comfort.



Front suspension

Rear suspension

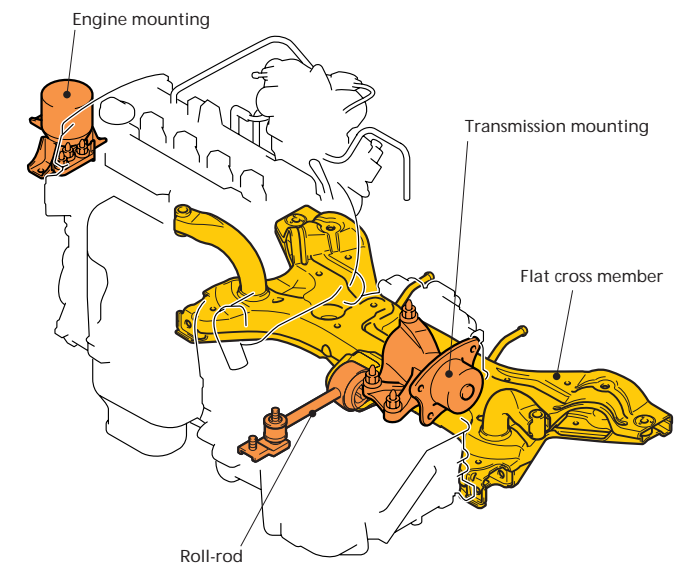
### Smooth, friendly power steering

Colt uses MMC's new electric power-assist steering. The high-torque motor and meticulous map tuning forge a sweet balance between low-effort steering at slower speeds and fast response with positive feedback at higher vehicle speeds. Other benefits of the new electric power assist include the elimination of hydraulic lines and reduced service and maintenance requirements.

### 3-point engine mount system for quieter motoring, reduced weight

Colt adopts a new 3-point inertial-axis engine mount system that uses liquid-filled insulators. Together with the location of the transmission inside the side members to reduce offset, and the fitting of anti-roll bars to the high-rigidity cross members to spread roll reaction forces, this realizes a significant reduction in noise, vibration and harshness.

### 3-point engine mounting



\*Supplemental Restraint System

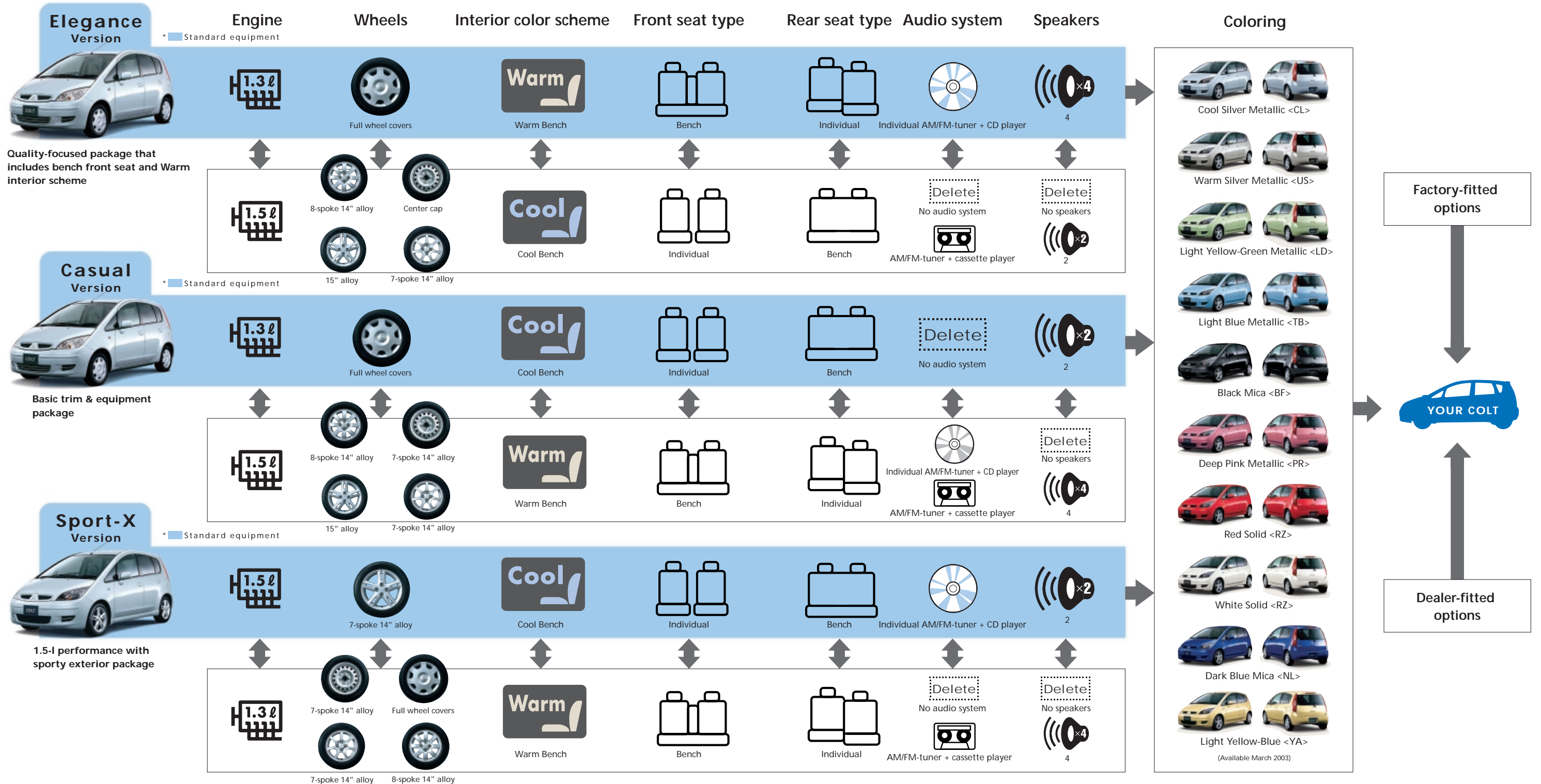


Freedom of choice

1

# Customer Free Choice: tailoring Colt to individual lifestyles and preferences

Colt marks the introduction of a new customer-focused initiative. Dubbed Customer Free Choice (CFC), this system gives purchasers greater freedom of choice in their selection of equipment and trim. CFC starts with three standard trim packages offering different body and interior colors, seat type and equipment levels that enable the purchaser to fully tailor Colt to his or her individual preferences and lifestyle. In the "full order" mode, CFC gives the purchaser an almost free hand in selecting trim and equipment combinations. Allowing the addition or deletion of equipment as required in this way epitomizes Colt's user-focused qualities.



Freedom of choice

2

## Wide range of personality-enhancing accessories

Colt comes with a wide range of accessories designed to match individual consumer personalities and to meet subtle differences in preferences and taste. The wide selection of exterior and interior dress-up parts available is further evidence of Colt's customer-centric qualities and an indication of MMC's commitment to offering greater freedom of choice.

### Genuine MMC accessories

Colt is offered with a wide range of attractive dealer-fitted accessory and trim options that enable the owner to tailor his vehicle more closely to his tastes. Available in a choice of 10 body-keyed colors, front, side and rear airdams and an over-size roof spoiler highlight Colt's "one-motion" form and add definition to its sporty persona. Also available is a new-design six-spoke alloy road wheel that matches and complements the aero parts. A sports muffler – with either left and right tail pipes or a single box-section tail pipe – adds further accent to Colt's sporty image. Other exterior options that set off Colt's styling include: high-intensity discharge xenon headlamps, HID projector-type fog lamps, chrome finish exterior mirror cowls; an oval-design muffler cutter; and, body side moldings.

The owner is also offered an extensive interior trim selection. Lending a distinctive character to the dashboard, accent panels are available in upholstery-keyed carbon, dark wood-grain and light wood-grain finish. Not simple stick-on panels, these may be easily removed and replaced at will enabling the owner to match the interior coordination to his or her mood on any particular day.

Convenience-enhancing options on individual front seat models include a front-dome box; while additional stowage items available for the system tray-type center console are a MD box and utility box. Convenience items exclusive to bench front seat models include a food/drink chill bag and a pet seat cover for use with the Useful Seat. For owners with small children, a child safety seat with or without a sun shade bracket is also available.



Fitted with genuine aero parts



Oversize roof spoiler

HID projector fog lamps



Front dome box

Cushions

### ROAR dress-up package / Ralliart sports package

Colt is available with a Roar customizing package designed exclusively for the model by MMC affiliate Ryoji Car Accessories Sales Corporation. In line with the Roar brand concept, the dress up package achieves seamless harmony with and



ROAR aero parts

brings out to maximum effect the attractive qualities of the standard body.

The package melds seamlessly with the original styling to produce a distinctively tasteful effect. The front airdam, fitting over the front bumper, and the smooth Euro grille molding create a front visage that, while simple in design, is forceful in character. The side airdam, with its air intake graphics, and the understated rear airdam give extra definition to Colt's squat form and zippy lines. While bold in shape, the package moldings have been carefully matched to Colt's body design, skillfully avoiding a retrofit appearance. The Roar package components are made of impact-resistant ABS plastic which boasts outstanding heat-resistance and recyclability. Much more than simple adornments, they have been developed with durability and the environment in mind and come with a one-year or 20,000 kilometer warranty. Other elements in the ROAR package that add further definition to Colt's distinctive character include headlamp garnish that adds a dash of defiance and 15-inch deep-rim alloy road wheels in a luminous finish.

Also available is a Ralliart sports package that helps the driver to push the performance envelope further still. Included are a sports suspension package that brings tighter handling without sacrificing ride comfort, and a sport muffler that burbles mellifluously at idle but breaks into a deep, throaty roar under acceleration.



Ralliart sports suspension

Ralliart sports muffler

### Hearty Run model for mobility-challenged users

The Colt Hearty Run model is fitted with a front passenger seat that achieves class-topping levels of safety and convenience. In a simple operation, when alighting from the vehicle the seat first swivels through 90-degrees towards the door and then slides 230mm outboard to make entry and exit a safe and easy maneuver for anyone. With minimum leg and foot room during the swivel of 300mm, head room of 825mm and a seat squab front edge height 585mm off the ground, Hearty Run brings motoring pleasure and convenience to the more elderly or mobility-challenged users.



Hearty Run model with swivel-&-slide front passenger seat



Quality

# Quality Gate principles elevate quality levels

MMC has recently introduced Quality Gate System (QGS) principles to assure that customers are offered better and higher quality vehicles. The system enables MMC to perfect quality levels at every step in the car development and building process. For Colt, QGS principles were also applied in cost management to ensure the customer gets the best quality at the most reasonable price. QGS has enabled MMC to put together and refine a production system that is distinguished by excellence both in terms of better quality and lower prices.



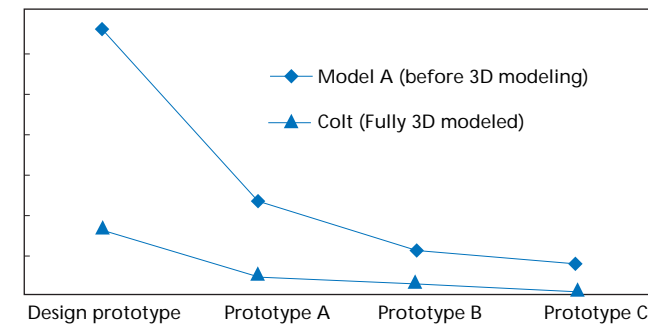
## Quality Gates foster customer-oriented quality

MMC has set itself a challenging row of hurdles to clear in order to offer customers better vehicles. In the system, which borrows largely from DaimlerChrysler, these lofty hurdles take the form of "quality gates" located at each step in the development and building process: from product conception through design, manufacture and right to the finished product. MMC has raised quality standards for each stage in the overall process and in QGS the car-in-building must pass stringent inspections at each gate before it is allowed to move on to the next stage. MMC believes that true product quality exists only when all elements in the quality chain – development quality, manufacturing quality, after-sales quality – are present. Guided by QGS principles, Colt incorporates a number of new quality features.

## Production quality pre-affirmed in virtual factory

MMC believes that as the ease with which something can be made improves, so quality improves and price comes down. For Colt, the development team programmed all relevant information into powerful computer databases as it constructed digital prototypes or "virtual cars" that enabled it to run rigorous and stringent quality assurance program checks covering both development and pre-production stages. This enabled the team to significantly reduce the number of production quality problems before the car reached the assembly line. Feeding back remedies to the development division via MMC's Quality Improvement Program (QIP) saw a significant reduction in the time to Final Confirmation and this translates into the minimization of investment and, even, to a product that is more price competitive.

### Reduction in problems

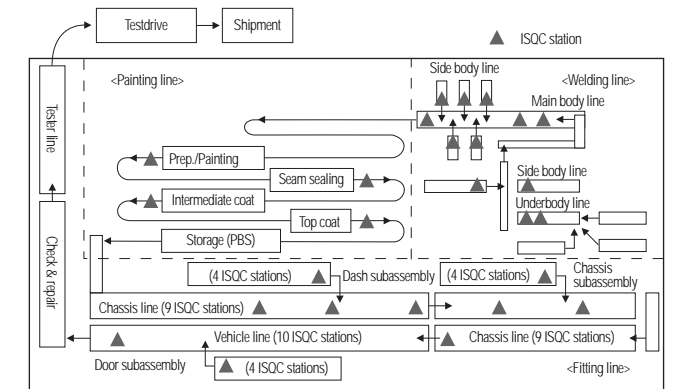


## ISQC: major rethink in quality management

Stage Quality Creation (ISQC) refers to the application of a consistent quality gate approach to the overall car development and building process. The aim is to create a system which, by making improvements to the production process, makes it impossible to make a faulty product – rather than waiting until the product comes off the line to check its quality. ISQC encompasses every stage of the development and building process, including: the unfettered selection of vendors; parts and components quality assurance; quality assurance on the

welding, painting and assembly lines; line-off quality inspections and even the analysis of dealer feedback and early solution of problems reported.

### ISQC process



## Translating cost reduction into quality

Reducing costs means lower prices, right? Yes, but MMC takes this further as it translates cost reductions into putting on the market a product that features better quality and better performance at a more competitive price. A case in point is the new Customer Free Choice (CFC) initiative introduced with Colt. Building cars tailored to meet diverse consumer needs is not possible under the conventional wisdom which dictates that reductions in cost can only come from producing in greater volume. Colt provides the perfect show case for CFC because cost reductions have been achieved throughout the whole process, from development to production.



Colt production line



The designer tells his tale

# Design that stimulates emotions and enriches customers' lives

Olivier Boulay:  
Executive Officer, Corporate General  
Manager of Car Product Design Office

## The Japanese and design

We exhibited four concept models at the 2001 Tokyo Motor Show: CZ2, CZ3 Tarmac; S.U.P and the Space Liner. Each had a different form but I am pretty sure visitors to the show were able to appreciate the common thread of emotion running through them. In fact, these four models were developed in order to unveil the direction the new MMC Design is taking.

Here at the Office of Car Design, we are creating a new MMC design identity. MMC is a Japanese company and so I believe the designs we create should embody and reflect a clearly Japanese identity. At the same time, I want to incorporate in those designs a look and taste that are instantly identifiable as Mitsubishi.

I was born and brought up in Europe and to me the Japanese, in the work environment, appear industrious and disciplined in much the same way as the Germans. But once you get out of the corporate environment, you find the Japanese are very similar to the Italians in their well-developed *joie de vivre*. The balance they achieve between these two facets of their personality is surely one of the great character traits that distinguish the Japanese. One is able to find in Japanese domestic electric appliances or personal computers some excellent designs which, while housing hi-tech components that are seriously dedicated to the job they must perform, also encourage the owner to have fun as



he uses his machine. I believe it should be the same with the automobile.

MMC has been very much a technology-oriented company and I have great confidence in its engineering capabilities. In my design work, I want to give full reign to MMC's engineering prowess and utilize it to maximum effect. From the design perspective, I believe that engineering excellence can be an element giving expression to the diligence and discipline characteristic of the Japanese people. We have to be careful, though, for pushing engineering and technological aspects too much to the fore can result in designs that look cold, inanimate. So, I decided to incorporate in my designs the Japanese *joie de vivre* – their penchant for having fun, for enjoying life. As may be seen in the Paris-Dakar, the WRC and other motor-sport events, there is a strong emotional element in the engineering aspect and I believe it important to give expression to this in design.

## MMC Design

Summarizing, then, I believe that engineering excellence and *joie de vivre* are the two elements that will define the new MMC design identity. Design has the power to stir the imagination. And in my work I am looking to use that power to stimulate the emotions and thereby enrich the daily life experience of car owners.

Colt is the first production model to be developed on the basis of this design philosophy. Composed from smoothly curving lines running from the front fender to the trailing edge of the roof, the "one-motion from" rewrites the hatchback stereotype. It presented MMC engineers with a considerable challenge. But they rose to the occasion and utilized Mitsubishi en-

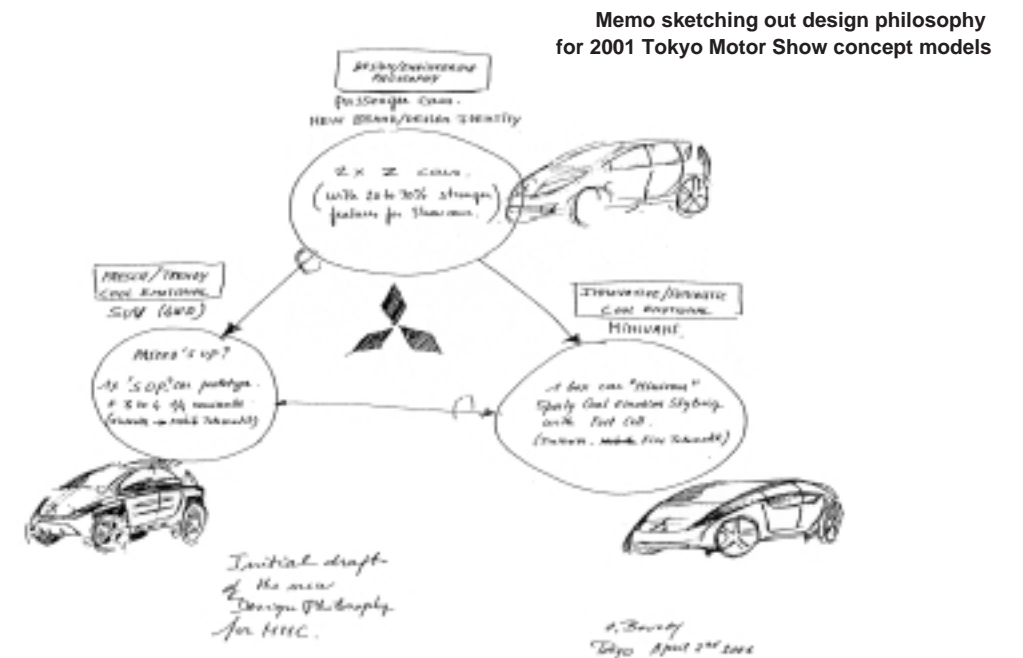
gineering excellence to produce a modern, elegant and emotional design, both inside and out, that is sure to grab the customer.

## Emotional, spirited design

Another thing I would like to point to in Colt's design is its high emotional quality, something the consumer can see, touch and feel. I am confident that Colt successfully deflects that hackneyed accusation that compacts always turn out looking cheap.

As with the concept models displayed at the Tokyo Motor Show, Colt's front end has been designed around MMC's three-diamond logo. I created a triangular plane running from the center of the engine hood to the grille and the oversize badge fits in there very neatly. This badge symbolizes the pride I and my colleagues at MMC take in our work, and I believe paying respect to that badge in my design work will strengthen the bond of trust connecting us with our customers.

It is not my intention to give all Mitsubishi models a uni-look front visage and I will also be exploring variations on the logo-centric front-end theme. The logo-centric design seen in Colt is not intended to rob our designers of their styling freedom; rather it will provide the impetus to create new and exciting designs. No matter that they differ in detail, so long as the same design spirit threads through individual models they will be readily identifiable as Mitsubishi cars. My mission is to offer cars which embody emotional and spirited designs that strike a chord with the *joie de vivre*, the thirst for quality and enjoyment that distinguish our customers. Colt represents the first step on this exciting and challenging odyssey.





## Customer satisfaction the name of the game

## Colt – we made it!



### Development from customer's perspective

Katsuyuki Yanai (left), Hisashi Fukuzawa (right)  
Product Management cars Dept

Colt's distinguishing features result not from conceit on the manufacturer's part in deciding what is best for the customer, but from a process in which we have thought about and built the product from the customer's viewpoint. In a new process adopted for Colt, we used clinic surveys and also listened to what the customer had to say in person to verify the concept at each stage in development. Ideas that sprang from customer interviews include: the exterior and interior designs; the bench front seat and Useful Seat; the Customer Free Choice system for the interior (with interchangeable accent panels). We really have created and built Colt hand-in-hand with our customers and are confident that the result is a very attractive product.

### Realizing the "one-motion form"



Kenji Ohara  
Studio Package Engineering, Dept

The design model's one-motion form was beautiful to the eye but created a heap of challenges when it came to developing the packaging layout. However, by persistently coming up with new ideas and by dragging the designers and production engineers into our discussions until we had won them round, we finally managed to overcome these challenges. The challenges were abundant: ranging from changing the location of strut mount bolts to using a new construction for the deck panel; using a separate brake fluid reservoir tank; introducing new assembly procedures; and, even to how nuts should be tightened. Colt's design is underpinned by these many novel

### Car-making from woman's POV



Sae Kumakura (left), Miki Noyori (right)  
Ladies Evaluation Team

We think that this is a car for all women who know themselves, know what they want, We asked ourselves, "What is it in a car that attracts such a woman?" The answer: an interior the elements of which she is able to choose for herself and an attractive exterior. The bright and elegant beige interior color; orange graphics for the instrument dials; seat upholstery pattern; the tactile impression made by the trim – we looked at everything. How to get Colt to the market without compromising its defining "elegance". This was our perspective as we put Colt under the microscope and presented ideas and suggestions from a woman's point of view. Check it out. We're sure it will speak to you, you will feel the strong emotional content reflecting the woman's POV.



### Creating a new-generation compact

Makoto Tanaka  
A & B Product Development Project

I felt that we had a winner the first time I saw Colt's design. The first time I drove the prototype, however, I felt we had problems. But when I drove the final production model, I knew we had an absolute winner. Colt is a product of MMC bringing its total capabilities to bear on a clearly-defined objective: setting a new benchmark in the intensely-competitive compact class. Heart Beat Motors MMC pursues its dreams hand-in-hand with its customers.

### Design gels as designers and engineers tune in to same wavelength



Yuichi Sakazume (left), Tadamasa Hayakawa (right)  
Passenger Car Project

The defining feature in Colt's exterior is the "one-motion form". This derived from a desire to create a shape that once seen would never be forgotten. Technically, however, the design presented some pretty tough hurdles to clear. But our engineers picked up the gauntlet and committed themselves to "making it work". By sharing a common purpose, working on the same wavelength, designers and engineers were able to create this very attractive and eye-catching design.



### European design and the secret behind Colt's elegance (Pursuit of clarity and feel-good in design)

Noriko Mukai  
Product Design (Passenger Car Project)

The model for Colt's exterior originated at our design studio in Europe, a market crowded with classy and distinctive small cars. Translating this into the Japanese market version, we decided to make "clarity" and "feel-good" the defining elements and to make no compromises just because it was a small car. The interior trim and color coordination designs originated in Japan but I believe we managed to reconcile "feel-good" to look at and drive with "classy and elegant" because we stuck to the same concept in tuning the styling. Just try driving another model in the same class. You'll be sure to "feel" the difference!



### Creating the new platform

Seiichi Takasaki  
A & B Vehicle Design Team

The challenges we faced in developing Colt's body were to build in class-topping crashworthiness, stiffness and vibration performance while reducing weight to the absolute limit. To realize our goal, we started with what seemed a pretty unrealistic "ideal structure" and then ploughed on doing repeated high-precision CAE analytic studies, even of the smallest detail. The result is a lightweight body that realizes low fuel consumption while at the same time delivering outstanding safety, dynamic performance and NVH levels. We're very confident Colt will earn unqualified customer satisfaction.



### Blending handling stability and ride comfort

Yasutomo Takeuchi  
A & B Vehicle Design Team

The first time I saw a model of Colt I knew it would be a fast seller and resolved to achieve levels of on-road performance that would be worthy of and complement its design quality. The suspension engineer's ideal of bringing together high levels of handling stability and ride comfort is easy to say, hard to achieve. For Colt, I concentrated on stiffness, the common factor in both handling stability and ride, leaving no path unexplored as I worked to increase chassis stiffness. Is stiffness really so important, you may ask? For the answer to that, take Colt out for a test drive and feel and enjoy its Heart Beat road handling and behavior!



### New seat offers more than elegant appearance

Koji Mizuno  
A & B Vehicle Design Team

The first challenge I faced was deciding on a seat design that would do a next-generation compact model proud. I started off seeking to deliver the kind of comfort and classy looks not to be found in the skinny seats in rival models. Just as I was beginning to feel it wasn't enough, we were sent an idea from a young employee at head office. It was a proposal for the Useful Seat. It needed to offer more than a simple stowage locker with the squab doubling as the lid. Something a little extra. Time was running out when we came up with the squab lock mechanism and the handy hooks which were decisive in turning it into a stowage space with great practical utility.



### Low consumption, low emissions, good road

Tatsuya Idei  
A & B Power train Team

We had lots of hurdles to clear to break in our little Colt, some of which required us to burn the midnight oil as we worked into the small hours of the morning. In the end, we comfortably cleared U-LEV standards and achieved miserly mileage of 20km/l. But it is Colt's stallion-like performance that I would like prospective purchasers and owners to experience more than anything. Responding instantly to accelerator and steering inputs with smooth and pliant road handling, Colt is the result of endless tuning on the part of the engineers in an all-out pursuit of performance ideals.



### Crashworthiness

Nobuyuki Tachibana  
A & B Vehicle Testing Team

Building acceptable crash safety into a compact class body is no easy task. Keenly aware that crashworthiness was to be a major selling point in Colt, we did our CAE analytic studies and on-road testing while talking closely with the design team about layout and other required characteristics as we made improvements. Our labors have been rewarded and we have produced a car that the customer can drive fully confident about its safety performance.

### Improving NVH levels



Koichi Tanaka  
A & B Vehicle Testing Team

The compact needs to be light on the pocket and light in weight. Therein lies the dilemma for the designer because many cost, weight and noise level factors and requirements conflict with each other. We met our targets, however, through a process of trial and error and structure rationalization. And this was not just in the laboratory or on the test course/proving grounds. In our "feeling testing" we focused on: improving sound quality as much as on reducing noise, vibration and harshness (NVH) and on ensuring the improvements were fully reflected in occupant perceptions rather than simply in measured values. I am confident that the customer will be satisfied with the result of our work.



### Improving development quality

Seiji Arai  
Vehicle Proving Dept

Our focusing catchphrase was "developing and building cars that will earn enduring customer satisfaction". After introducing some clear-cut improvements on the basis of carefully sifting through all our customer feedback, we made further improvements after putting Colt through some really nasty testing where it was subjected to some of the most incredible conditions we could think up. We adopted a tag-team approach with development and production working together to flush out the problems and to find and implement specific and no-compromise solutions. The result is a new Colt that we are certain will satisfy the customer.

### Improved performance: through the senses, not simply on paper

Yoshinori Ishida  
Vehicle Proving Dept

I have to confess that the competition loomed the competition our large in my field of view. All the more reason for wanting Colt to have the kind of performance that would not be outdone the competition. The goal we came up with was "feel-good performance on the road" and we are confident we have produced a car that responds quickly and naturally to driver input, with no surprises or quirks in its behavior. We just want people to feel the level of genuine performance MMC can deliver when it goes the extra mile.



Customer satisfaction the name of the game ————— Colt - we made it!



**Improving exterior appearance quality**

Tamotsu Kozaki  
Product Production Project

*Because of Colt's innovative design, the production division focused on improving appearance quality. One area we pinpointed was the headlamps, the distinctive design of which achieves an uniquely seamless melding with the body. This presented a challenge in achieving high fit-and-join quality with parts around the headlamps and so from the initial stages we talked the gap and step issue through with the design boys, looked at this from the design and structural aspects and pinpointed what was required in terms of production quality management. This being a major quality control element, we followed it through to the production model and have realized a high and consistent level of quality.*

**MMC adopts customer perspective**



Tadashi Nomura,  
Sales Promotion Dept.

*Colt is appeal-loaded: classy and elegant styling, new engine, the CFC system that enables customers to tailor the equipment and trim specification themselves. To ensure the customer fully experiences Colt's "classy appearance" and "freedom of choice" qualities in the showroom, we have implemented a number of measures designed to help sales staff deal with customers from the customer's viewpoint, including: showroom tools, visual sales-talk presentations featuring equipment simulations on CD-ROM, and the like. I want prospective buyers and established MMC customers to visit our showrooms and see how Colt's introduction marks how much more customer-focused MMC has become.*

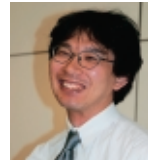
**Customer-grabbing road performance**

Mitsuhiro Fukuda  
Quality Control, Dept.

*I work in production model road-performance and equipment quality control. Our job is to ensure that the development team's work is faithfully reflected in each and every vehicle that rolls off the line, to ensure the same quality no matter how many 1,000's of vehicles we produce. I sat in on and observed the development side of things until I was convinced about what the team was trying to do. My job was then to ensure that everything is reflected in the production vehicle. I'm sure you will appreciate the benefits of this development-production teamwork the moment you sit inside and drive Colt.*



**Meeting customer needs through CFC**



Chiaki Suzuki  
SCM IT Dept.,

*Customer Free Choice is a sales initiative that enables us to meet customer needs more closely by adopting the customer's viewpoint. To realize this freedom of choice, everyone involved – from development to production, distribution, sales and information technology – has pulled together with a common sense of purpose: persuading customers to buy Colt by giving them a freer hand in the choice of trim and equipment combinations, something not available before. To enable as many customers as possible to experience the joy of choosing for themselves, we have put together a number of IT tools that allow them to experience CFC both in the showroom or at home.*



**Building in quality with digital design data**

Tomoharu Suzuki  
Assembly Production Engineering, Dept.

*Colt represents our first concerted use of digitized 3D design data to study and check production quality requirements by creating 3D overlays of production line plant data and tooling data before making the prototypes. This enabled us to extract and confirm early on problems that in the past we would not have encountered until we had built an actual vehicle, resulting in a dramatic improvement in quality at the prototype stage and leading to higher quality in the production vehicle. This all stems from having been able to check and confirm a wide range of processes at an early stage.*



**Building in quality on the line**

Kenichi Yoshikawa.  
Assembly, Dept.

*One step we took to realize our target of "delivering products with assured quality" was performing a simulation in which we anticipated 5,000 defects. The results of this nipping-in-the-bud zero-defect policy were woven into the structure, the plant and all assembly procedures to realize the ideal production line that turns out no defective vehicles.*

**Adding to the Colt-experience**



Takayuki Nagono  
Accessories Development Dept.

*We have developed a rich range of accessories that allows Colt owners to enhance their car life experience: from the excitement of the moment of purchase to the pleasure and satisfaction of owning and driving their Colt. Through the new Customer Free Choice initiative, one of Colt's major sales points, we offer a range of unique, quality and innovatively designed accessories that the customer may choose from to suit his or her tastes. We are also able to offer these at lower prices than with other models in the lineup. Accessories exclusive to Colt are sure to add to and enhance the owner's car life and total customer satisfaction..*

The Colt story

**Colt: A name firmly tied to the origin of car development and building at MMC**

After the launch of the first Colt, the Colt 600 in 1962, the Colt series quickly evolved into a richly populated lineup. The launch of each new Colt introduced a number of Japan-first technologies on the domestic market: Colt 1000, a 4-door sedan; Colt 800, Japan's first fastback model; Colt 1500, high-performance sports sedan with a full specification including front disc brakes, bucket seats, floor gear shift, tachometer; Colt 1100F boasting a top speed of 140 km/h and accelerating from 0m-400m in 19.7 seconds. As such, the Colt series made a major contribution to the growth of private car ownership in Japan and today still commands a large following of Colt aficionados.

Colt 1100F, August 1968



Colt Galant, December 1969



Colt Galant GTO, May 1970



Colt 1100, September 1966



Colt 1500, October 1965

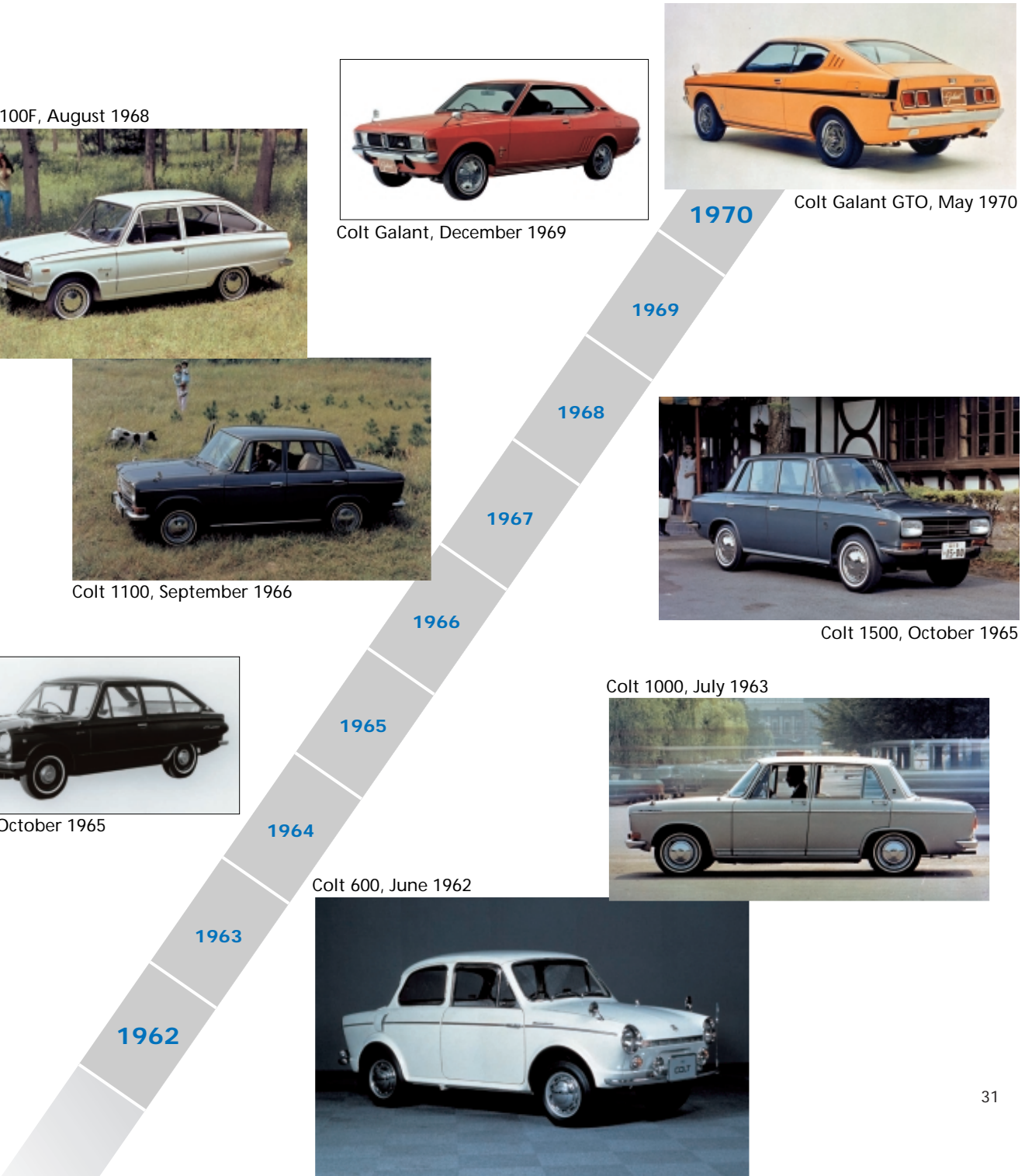


Colt 800, October 1965



Colt 1000, July 1963

Colt 600, June 1962





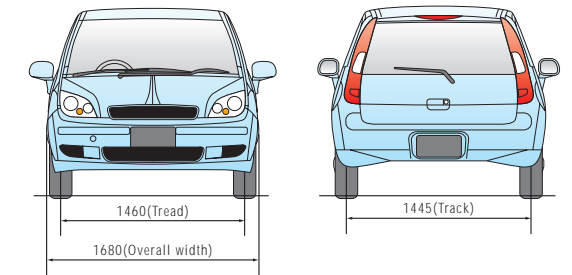
equipment specification

●Standard ○Option

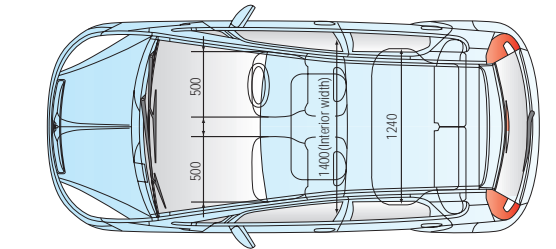
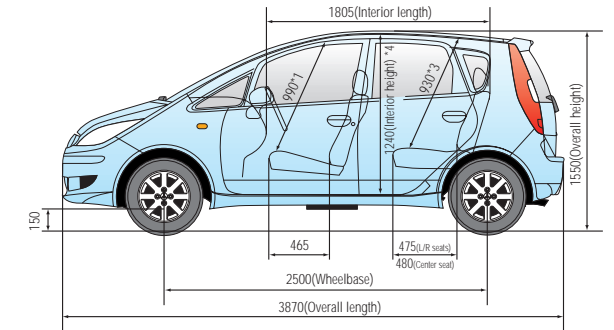
Equipments	1.3L		1.5L		1.3L / 1.5L	Standard on all models	
	Elegance Version	Casual Version	Sport-X Version	Sport Version	Standard Version		
Cold region specification	○	○	○	○	○		
Comfort pack*1	●	●	●	●	○		
Exterior	Basic exterior package (manual-adjust mirrors)*2	○	○	○	○	●	4-bulb halogen headlamps *UV-control glass (front and rear doors, tailgate)
	Elegant exterior package (power-adjust mirrors)*2	●	●	○	○	○	
	Sporty exterior package (power-adjust mirrors)*2	○	○	●	●	○	
Wheels	Center cap (not fitted with full wheel covers)	○	○	○	○	●	
	Full wheel covers	●	●	○	○	○	
	14-inch alloy wheels (8-spoke)	○	○	○	○	○	
	14-inch alloy wheels (7-spoke)	○	○	○	○	○	
	185/55R tires on 15-inch alloy wheels	○	○	●	●	○	
Interior color	Cool interior (gray monotone)	○	●	●	●	●	
	Warm interior (brown-beige 2-tone)	●	○	○	○	○	
Seating	Basic seating (slide and tumble together)	○	○	○	○	●	50:50-split rear seatback with tumble and reclining
	Individual front seats with bench rear seat	○	●	●	●	○	
	Individual front seats with individual rear seats	○	○	○	○	○	
	*Bench front seat with bench rear seat	○	○	○	○	○	
	*Bench front seat with individual rear seats	●	○	○	○	○	
In-car entertainment	None fitted (no speakers)	○	○	○	○	●	Roof-mounted antenna
	No radio or cassette/CD deck (2 speakers)	○	●	○	●	○	
	AM/FM tuner and cassette deck	○	○	○	○	○	
	AM/FM tuner and CD deck	●	○	●	○	○	
Exterior	Dark metal finish headlamp bezels	○	○	●	●	○	
	*Privacy glass (rear doors, quarter lights, tailgate). If deleted, UV-control glass fitted instead.	●	●	●	●	○	
	Fog lamps	○	○	○	○	○	
	Rear spoiler	○	○	●	●	○	
	Leather-wrap 3-spoke steering wheel	○	○	●	●	○	
	Tachometer	●	○	●	●	○	
	System-tray (with cup holder)	○	○	●	●	○	
Interior	*Automatic climate control (with air cleaner) and auto dehumidifier control. * If deleted, manual climate control fitted.	●	○	●	○	○	Front seat cup holders (individual seat configuration); Ashtray; Cigar lighter; Driver's under-seat tray; Front passenger glove compartment; Front seat bottle holders; Front seat door pockets; Luggage retainer hooks; Spare tire pad; Tailgate pull handle; driver's foot-rest; tilt-adjust steering column
	Multi-mode keyless entry system (operates power windows too)	●	●	●	●	○	
	2 rear speakers (total of 4 speakers)	●	○	○	○	○	
	100V AC power socket	○	○	○	○	○	
	Power-operated slide/tilt sunroof	○	○	○	○	○	
	Side and curtain SRS air bags	○	○	○	○	○	
	Vehicle corner and reverse warning sensor	○	○	○	○	○	
Equipment	*Automatic climate control (with air cleaner) and auto dehumidifier control. * If deleted, manual climate control fitted.	●	○	●	○	○	Power-assist steering; central locking (tailgate included); foot-operated parking brake; steering column-mounted Smart Shift; Vehicle speed-adaptive intermittent wipe front wipers with mist cycle; rear window demister; LED trip meter and odometer; headlights on warning buzzer; low fuel warning lamp; key still in ignition warning buzzer; digital clock; key cylinder illumination
	Multi-mode keyless entry system (operates power windows too)	●	●	●	●	○	
	2 rear speakers (total of 4 speakers)	●	○	○	○	○	
	100V AC power socket	○	○	○	○	○	
	Power-operated slide/tilt sunroof	○	○	○	○	○	
	Side and curtain SRS air bags	○	○	○	○	○	
Safety specification	SRS air bags for driver and front passenger	●	●	●	●	●	3-point ELR front seatbelts (with pretensioner and force limiter); Height adjustable shoulder anchor on front seatbelts; 3-point ALR/ELR seat belts (center seat 2-point anchor); door side impact beams; RISE safety body; Neck protecting trim
	Front & rear power windows (with anti-trapping; all single-touch operation)	●	●	●	●	●	
	ISOFIX child safety seat retainer bar	●	●	●	●	●	
	Anti-lock braking (with EBD and brake-assist)	●	●	●	●	●	
	Halogen high-mount auxiliary brake light (LED on rear spoiler models)	●	●	●	●	●	
	Anti-intrusion brake pedals	●	●	●	●	●	

Dimensions

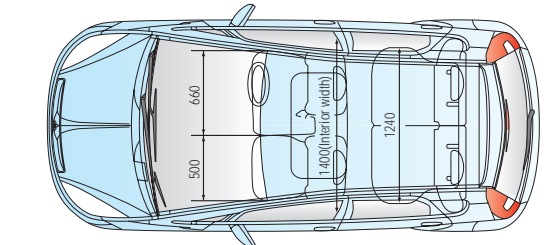
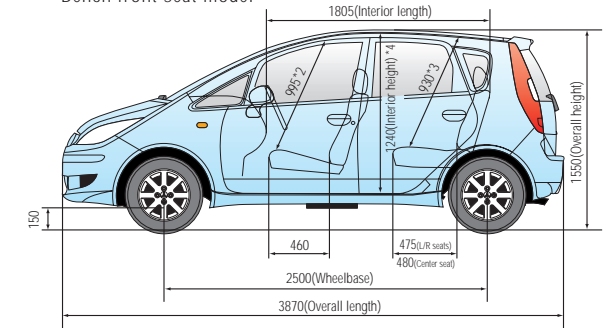
Exterior: 4 aspects (mm)



Individual front seat model



Bench front seat model



\*1 Comfort pack

If selected	Cloth inserts in door trim; khaki-colored dash accent panels, instrument dial and air outlet bezels, power window switches; 3 assist grips (not above driver); map lamp; luggage compartment lamp; vanity mirrors with ticket holders for driver and front passenger; intermittent rear screen wiper; blacked-out door sash.
If not selected	In place of trim and equipment listed above, black-colored dash accent panels, instrument dial and air outlet bezels, power window switches. Interior lighting standard.

\*2 Exterior trim versions

	Side air dam	Rear spoiler	Door handle color	Exterior mirrors	Front bumper grille	Door sashes
Basic version	×	×	Black	Black	Mesh center and sides / black	Color keyed
Elegant version	×	×	Color keyed	Color keyed	Lattice center and sides / color keyed	Blacked-out
Sporty version	○	○	Color keyed	Color keyed	Mesh center, lattice sides / color keyed	Blacked-out

\*1: 945 on sunroof models \*2: 950 on sunroof models  
\*3: L/R seat 925 on sunroof models \*4: 1170 on sunroof models

Specifications

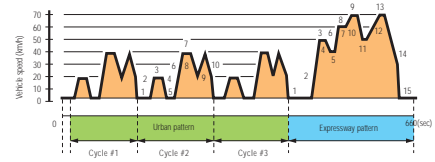
Drive	2WD					
Model code	Mitsubishi UA-25A			Mitsubishi UA-27A		
Engine	1.3-liter			1.5-liter		
Trim level	Standard	Casual	Elegance	Standard	Sport	Sport-X
<b>Dimensions &amp; weights</b>						
Overall length (mm)	3870					
Overall width (mm)	1680					
Overall height (mm)	1550					
Wheelbase (mm)	2500					
Track (mm)	Front	1460				
	Rear	1445				
Ground clearance (mm)	150					
Interior length (mm)	1805					
Interior width (mm)	1400					
Interior height (mm)	1240					
Vehicle weight (kg)	1010	1030	1020	1030		
Passengers (persons)	5					
<b>Performance</b>						
Min turning radius (m)	4.7					
10-15 mode fuel consumption (km/l)	20.0	18.4	18.0			
<b>Engines</b>						
Type	4G19 MIVEC			4G15 MIVEC		
No. cylinders / valvetrain	In line 4 / 16-valve DOHC			In line 4 / 16-valve DOHC		
Bore x stroke (mm)	75.5×75.0			75.5×82.0		
Displacement (cc)	1343			1468		
Compression ratio	10.0			10.0		
Max. output (net) < kW (PS) / rpm >	66(90)/5600			72(98)/6000		
Max torque < Nm (kgm) / rpm >	121(12.3)/4250			132(13.5)/4250		
Fuel delivery	ECI-Multi					
Grade of fuel	Unleaded regular gasoline					
Fuel tank capacity (liters)	42					
<b>Transmission</b>						
Type	INVECS-III CVT					
Gear ratios	Forward	2.319~0.445				
	Reverse	2.558				
Final reduction gear	5.219					
<b>Running gear</b>						
Steering	Rack & pinion with power assist					
Suspension	Front	MacPherson strut with coil springs and stabilizers				
	Rear	Torsion beam with coils spring and stabilizers				
Brakes	Front	Ventilated disc				
	Rear	Leading-trailing drum				
Tires	175/65R14			185/55R15		

Environmental specification

Vehicle specifications	Vehicle code	UA-Z25A		UA-Z27A	
	Model code	XSLH		XSLH	
	Engine type	4G19 (1.3-liter)		4G15 (1.5-liter)	
	Drive	2WD			
Emissions	Certification	Ultra low-emission (☆☆☆)			
	Levels in 10-15 mode driving (gm/km)	NOx (g/km)	0.02		
		HC (g/km)	0.02		
		CO (g/km)	0.67		
Fuel consumption efficiency	10-15 mode (km/l)	20.0	18.0		
Greenhouse gases	Fuel efficiency enhancement measures	Variable valve timing; CVT			
	10-15 mode CO2 emissions (gm/km)	118		131	
	HFC134a refrigerant (gm)	550			
Ozone layer destroyers	CFC's	Not used			
Noise	Noise under acceleration (dB-A)	76			
Environment loading substances	Lead	Less than 1/3 of 1996 level			
	Mercury	Not used			
	Sodium azide	Not used			
Recycling	Parts using easily recyclable materials	Bumpers, Instrument pahal, interior trim, radiator grill, etc.			
	Code-marking of plastics	Yes			
	Parts using recycled materials	Air cleaner, sound-deadening material, engine oil level gauge, etc.			

10-15 mode mileage and actual mileage

The 10-15 mode fuel consumption figures given in this publication represent a composite mileage for vehicle operation (idling, acceleration and deceleration) in 10 patterns of urban driving and 15 patterns of driving on the Tokyo Metropolitan Expressway. 10-15 mode mileage is measured under test conditions as laid down in relevant laws and ordinances and which include having two occupants on board and the air conditioner switched off. Actual fuel consumption will differ from the 10-15 mode mileage figures due to differences between test and actual driving conditions, including weather, road surface, vehicle load, and vehicle service condition.





Heart-Beat Motors



**mitsubishi** MOTORS