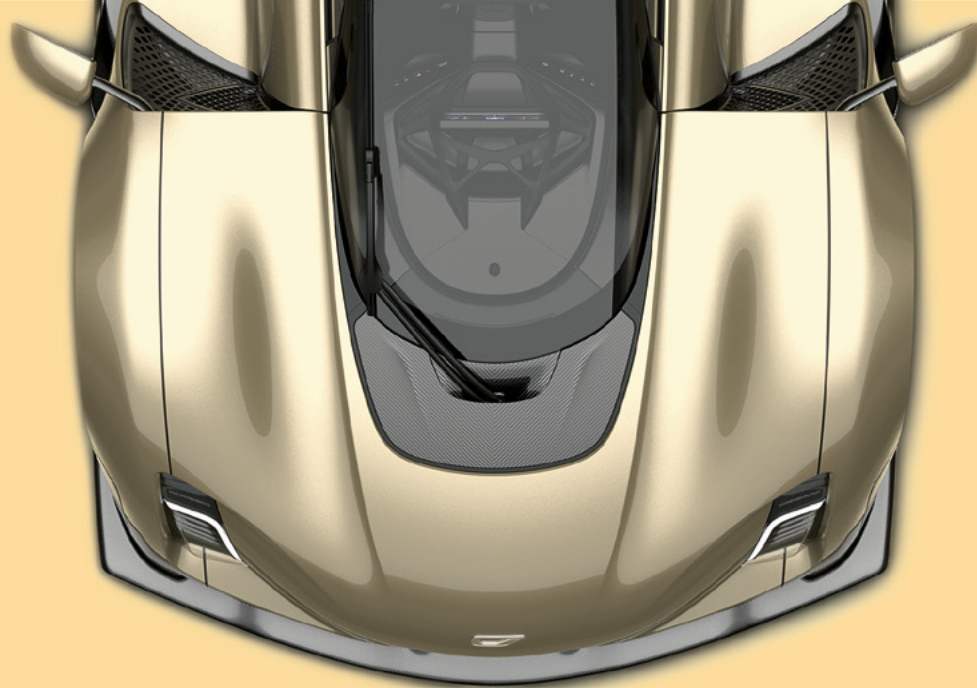




CZINGER

Quick Start Guide

Vmax

INTRODUCTION



Welcome to the Czinger Vehicles Family

As we hand you the keys to your 21C, we proudly welcome you to the Czinger family. This car is the culmination of years of dedication from our team and represents our commitment to pushing the boundaries of performance and technology. The 21C is engineered to deliver unparalleled lap time capabilities while being fully street-legal and compliant with the most stringent emissions and crash safety standards. The road to delivery has been our passion and joy, and we know you'll feel this as soon as you take the wheel and hit the streets.

The Czinger 21C, the world's fastest production hypercar, is also the most technologically advanced. Its existence defines a bold new chapter of design and manufacturing—one where traditional constraints are removed, and perfection is the victor. The 21C marks a pivotal moment in the history of automotive manufacturing.

Our journey to create this masterpiece has brought together a world-renowned team from the realms of motorsport and high-performance automotive engineering. These experts have been joined by some of the brightest minds in cutting-edge technology and materials science, ensuring that every aspect of the 21C is crafted to perfection.

Czinger's close partnership with Divergent means our vehicles are at the forefront of groundbreaking innovation; driving the advancement of that technology. This symbiotic relationship ensures that every Czinger vehicle remains at the cutting edge, setting new benchmarks for the industry.

Czinger is not just a hypercar company—we are a performance vehicles brand. The 21C hypercar is the first in a diverse series of exclusive automobiles that will define our legacy. Our objective is to create one of the great, enduring brands of this century, continuously delivering groundbreaking cars that lead you on your own journey of discovery.

Encompassing revolutionary technology, iconic design, and dominating performance—the 21C defines a new era in the hypercar industry. Just as the SR-71 dominated the skies, the 21C will dominate the streets. Its story will be told as an American icon.

We thank you for joining us on this extraordinary journey.

Welcome to the future, welcome to the family. Let's drive!
Kevin and Lukas Czinger

The image shows two handwritten signatures in black ink. The signature on the left is 'Kevin B. Czinger' and the signature on the right is 'Lukas Czinger'. Both are written in a fluid, cursive style.

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Czinger website

Further information and support for your Czinger Vmax is available online. Go to <https://www.czinger.com/>

Quick start guide

A quick guide has been supplied with the vehicle showing information on the most commonly used functions in your vehicle. The quick start guide should be used in conjunction with this main owner's handbook.

Using this handbook

This handbook should be read before driving your 21C for the first time.

The content includes important safety information to protect you from injury, explanations and instructions for operating the driving controls, owner maintenance requirements, technical specifications and an explanation of the warranty. It is not intended to provide all the technical information required for servicing and should any adjustment become necessary, owners are urged to contact their Czinger Retailer. It is a requirement of the warranty and the responsibility of the owner/driver, to ensure that servicing of the vehicle is carried out at the correct intervals.

A content list (see page 6), and an alphabetical index at the back of this book are provided to help you find information about any particular feature or topic.

The information and specifications included in this publication were correct at the time of printing. Czinger has a policy of continuous product improvement and reserves the right to discontinue or change specification, design or equipment at any time without notice and without incurring any obligation whatsoever. You should keep in regular contact with your Czinger Retailer to ensure that you are kept informed of any technical developments which may improve the specification, performance or safety of your vehicle.

This handbook may include descriptions of equipment and features that are not fitted on your vehicle.

Warnings and notices

Included in the handbook

 **WARNING:** Used with the safety alert symbol, indicates a risk of death or serious injury for the driver, other vehicle occupants, other road users or bystanders.

 **CAUTION:** Messages are intended to help you avoid damage to your vehicle, other property or the environment.

 **NOTE:** Messages are intended to assist or guide the reader to other sources of information.

On the vehicle

Where necessary, decals can be found on the vehicle showing warnings and information. Labels and messages may differ between model type and market.

This is a high performance vehicle

Because this is a high performance vehicle, it is advised to have proper instruction on how to drive and care for your Czinger 21C.

Safety information

 **WARNING:** The following paragraphs of this section contain safety messages.

- All occupants must wear seat belts.
- Never drive when under the influence of alcohol or drugs.
- Never drive when tired.
- Never use a hand-held mobile phone, map read or attempt other distracting activities when driving.
- Avoid adjusting the infotainment settings while driving.
- Always obey all traffic laws and regulations, never exceed the local speed limit and consider the traffic and road conditions.
- Be particularly careful driving on slippery or wet surfaces.
- Restrain from using full vehicle

performance until experience has been gained and only in circumstances when it is legal and safe to do so.

- Adhere to the Maintenance Schedule and keep the vehicle in good condition.
- Never leave young children unattended in the vehicle.
- Read and take account of all safety messages in this handbook.

 **WARNING:** Do not become distracted by the driver screen display while driving. You could cause an accident.

It is recommended to stop the vehicle before using certain options available.

Repairs and modifications

Unapproved modifications, or allowing servicing or repairs to be carried out by unskilled persons to your 21C, could adversely affect the handling of the vehicle and the operation of any safety equipment. Ensure only modifications approved by Czinger are performed. DO NOT allow servicing, repairs or modifications to be carried out by unskilled persons. Czinger Retailers have trained staff who are best qualified to maintain your 21C to the correct specification.

 **WARNING:** Failure to comply with these provisions may invalidate the New Vehicle Warranty and/or result in a crash in which you and others may be killed or seriously injured.

For further information on accessories and modifications, see page 119.

Before driving your vehicle

Before each journey:

- Check tires for damage, wear and correct pressure. Incorrect inflation pressure degrades vehicle handling (See 'Tires' on page 138).
- Check all windows, mirrors, camera lenses and lights are clear and unobstructed and all lights are correctly working.
- Check that the front body access panel fixings are secure.
- Adjust the seat and mirrors and familiarize yourself with the controls.
- Check all instruments and tell tale lamps are reading correctly.
- Ensure that any other occupant is properly restrained by their seat belts.

Keep your 21C in safe Condition

Having a tire blowout or a mechanical failure can be extremely hazardous. To reduce this risk, check the condition of the tires and pressures frequently, and have all scheduled servicing (see separate Maintenance Record booklet) performed within the time/distances that are applicable.

Engine exhaust fumes

Engine exhaust fumes can kill. They contain the gas carbon monoxide (CO), which you can't see or smell. It can cause unconsciousness and death. If you ever suspect exhaust gas is entering the cabin, do not drive your vehicle until the fault has been repaired. Running the engine in an enclosed space can let exhaust gas into the vehicle cabin, more quickly if the interior fan is switched on. NEVER park in a garage with the engine running.

The exhaust sounding strange or different may be an indication of exhaust system damage.

Ensure the car is checked by an authorized Czinger Retailer after any repairs have been made.

California proposition 65 warning:**WARNING:**

- Operating, servicing and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm.
- If you ever suspect exhaust gas is entering the cockpit, do not drive the car until the fault has been repaired.
- In particular, running the engine in an enclosed space can let exhaust gas into the car, even more quickly if the interior fan is switched on.
- NEVER park in a garage with the engine running.

California proposition 65 warning:

WARNING: To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.

Precautions against fire

- If the engine malfunctions in any way, which may be indicated by a change in sound, or the illumination of the malfunction indicator lamp, (see page 58) have the fault diagnosed and repaired promptly. Continuing to drive a vehicle with an engine misfire could cause a catalytic converter to overheat. This could cause heat damage to other components and/or an engine bay fire.
- DO NOT park or drive the car in areas where combustible material, such as dry grass or leaves, could contact a hot exhaust system. Under certain wind and weather conditions a grass fire could be started.
- DO NOT tamper with any electrical components with the battery connected. You could receive an electric shock or start a fire.
- DO NOT use the vehicle if a fuel or oil leak is suspected, as may be indicated by a persistent smell of fuel or oil. Have the fault diagnosed and rectified without delay. A fuel leak may result in a fire or explosion.

- DO NOT touch or approach any part of a hot exhaust system as this could result in severe burns.

Engine compartment

If checking or adjusting any engine bay equipment with the engine running, take all suitable precautions to prevent body parts from coming into contact with any hot or electrical engine components; as this could result in death or injury.

Copyright information

Apple CarPlay, iPhone and iPod are trademarks of Apple Inc.

Legal terms & privacy notices

To view the latest privacy notices, please go to the Czinger website at: <https://www.czinger.com/>

Handbook images

Some driver display menu option screen images contained in this handbook have been reformatted to make them suitable for publication.

Event data recording

This vehicle is equipped with an event data recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less. The EDR in this vehicle is designed to record such data as:

- How various systems in your vehicle were operating;
- Whether or not the driver and passenger safety belts were buckled/fastened;
- How far (if at all) the driver was depressing the accelerator and/or brake pedal; and,

- How fast the vehicle was traveling. These data can help provide a better understanding of the circumstances in which crashes and injuries occur.

NOTE: EDR data is recorded by your vehicle only if a non-trivial crash situation occurs; no data is recorded by the EDR under normal driving conditions and no personal data (e.g., name, gender, age, and crash location) are recorded. The data retained in the EDR is owned by the vehicle owner. However, other parties, such as law enforcement, could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.

To read data recorded by an EDR, special equipment is required, and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.

Engine data recording

Various operating parameters are continuously monitored and recorded by certain electronic control modules. This data may be downloaded by Czinger Retailers on demand in order to assist with fault diagnosis and identify any vehicle misuse.

Software updates

Software updates may be installed in your 21C during a visit to your authorized Czinger Retailer. You should be advised of any updates applicable to your vehicle and what systems will be updated, any time that your vehicle is in for service or repair at your authorized Czinger Retailer.

Reporting safety defects

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Czinger Vehicles.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Czinger Vehicles.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to: <http://www.safercar.gov>

Or write to: Administrator, NHTSA, 1200 New Jersey Ave. SW, Washington, DC 20590.

You can also obtain other information about motor vehicle safety from:

<http://www.safercar.gov>.

In Canada

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform Transport Canada in addition to notifying Czinger Vehicles.

If Transport Canada receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, Transport Canada cannot become involved in individual problems between you, your dealer, or Czinger Vehicles.

To contact Transport Canada's Defect Investigations and Recalls Division, you may call 1-800-333-0510. For more information on reporting safety defects or about motor vehicle safety, go to: <http://www.tc.gc.ca/roadsafety>.

Vehicle identification

The V.I.N. (Vehicle Identification Number) is visible in 2 locations.

**Windshield**

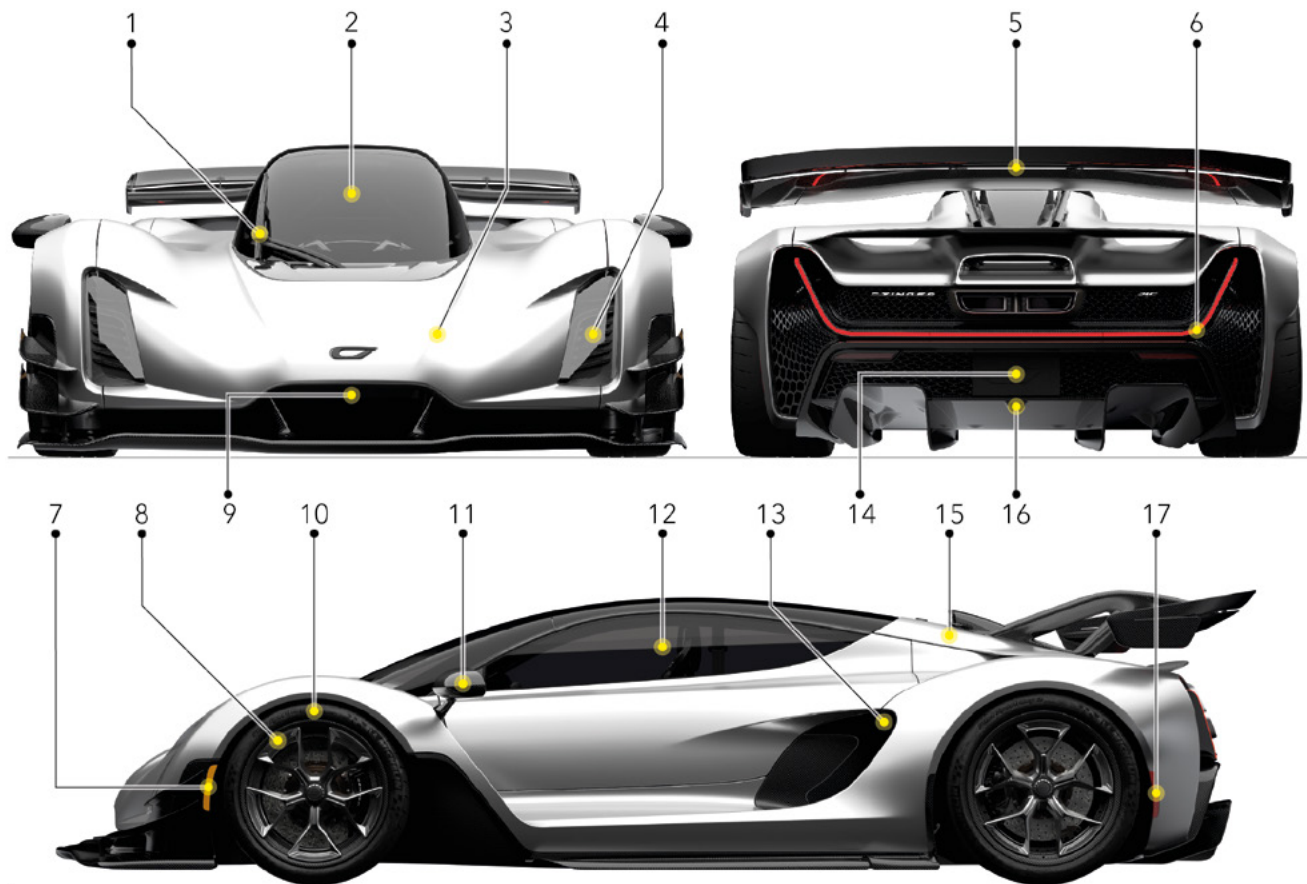
Attached to the dashboard, viewed from outside of the vehicle at the left-hand side of the windshield.

Chassis

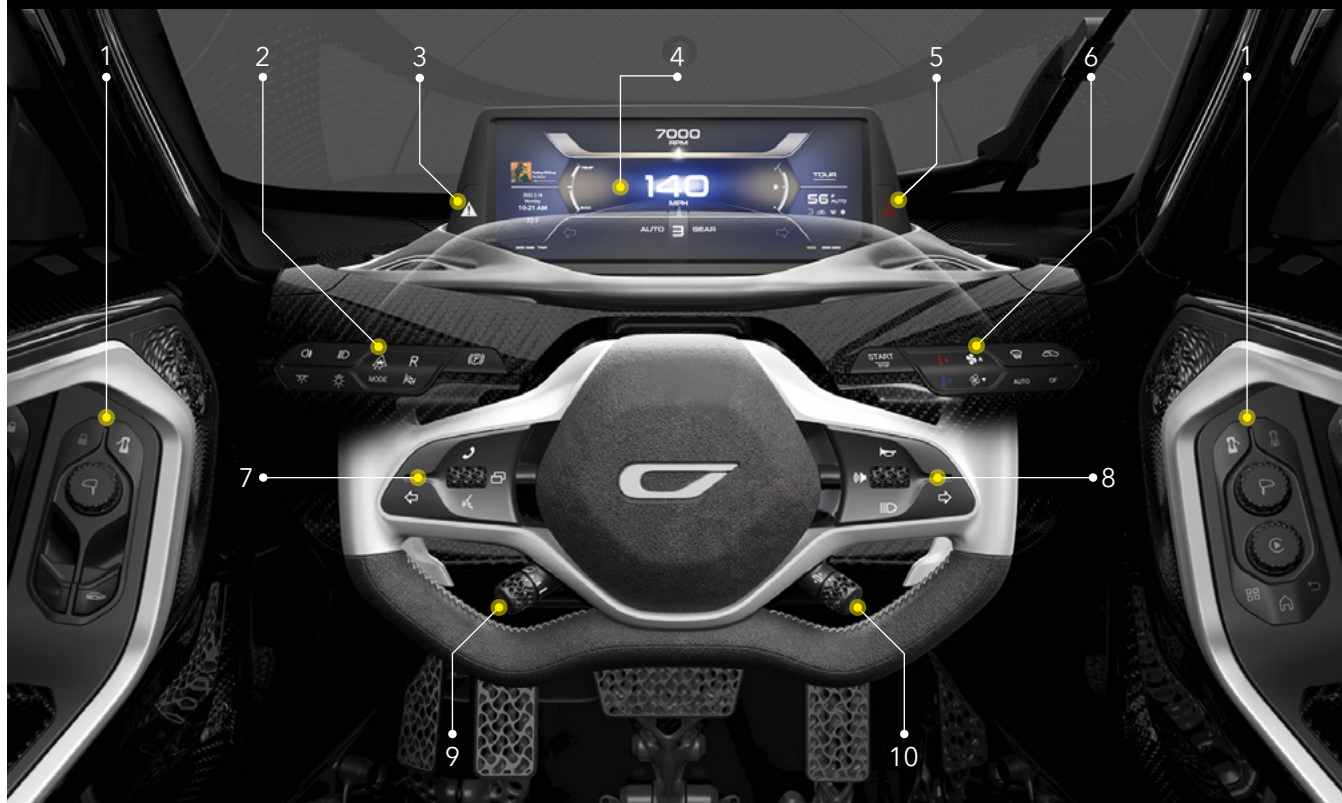
Stamped on the chassis, underneath a panel under the driver seat.



21C OVERVIEW



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1 Windshield wiper blade	136
2 Windshield	124
3 Front cowl panel	130
4 Lamps - front	136
5 Rear wing	126
6 Lamps - rear	136
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8 Wheels	147
9 Recovery eye mounting point	156
10 Tires	138
11 Door mirror	85
12 Door glass	85
13 Door button	46
14 12V battery charging port	137
15 Decklid	50
16 Reverse parking camera	105
17 Lamp - rear marker	137

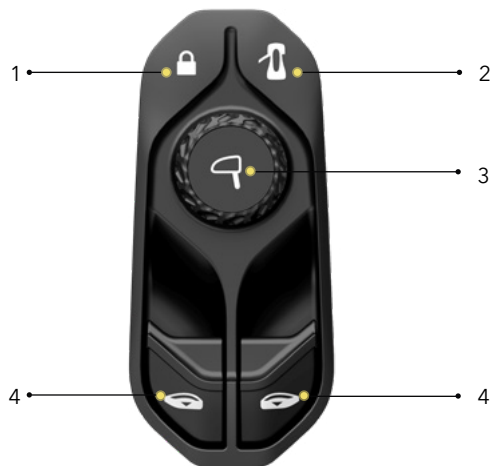


Cabin driving area	Page
1 Door control panel switches - left side	26
2 Driver control switch pack - left side	27
3 Failure warning indicator light	57
4 Driver display	54
5 Hazard warning switch	81
6 Driver control switch pack - right side	27
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7 Left-hand keypad	25
8 Right-hand keypad	25
9 Windshield wipers/washer	84
10 Nose lift	124



Steering wheel keypad controls	Page
1 Wiper/washer	84
2 Voice control (Siri assistant)	74
3 Left-hand direction indicator	82
4 Driver display scroll wheel	67
5 Down-shift paddle shifter	98
6 Phone call accept	78
7 Horn	86
8 Up-shift paddle shifter	98
9 Infotainment volume control	68
10 Right-hand direction indicator	82
11 High beam flash	81
12 Nose lift	123

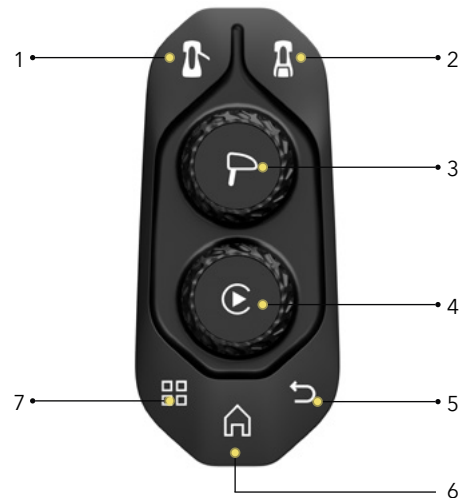
Door switches



Left-side

Page

- | | |
|---|----|
| 1 Door lock button | 49 |
| 2 Door latch release button (left door) | 49 |
| 3 Door mirror (left side) | 85 |
| 4 Door window switches | 85 |

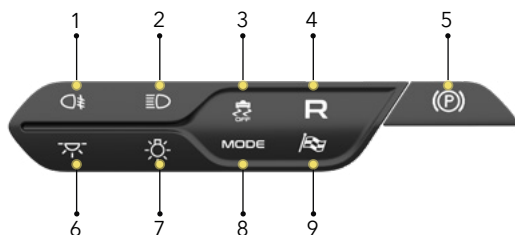


Right-side

Page

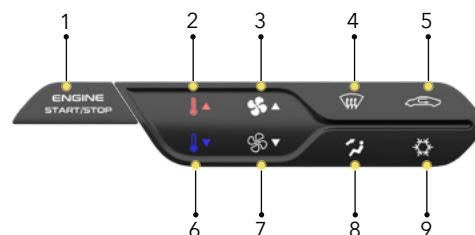
- | | |
|--|----|
| 1 Door latch release button (right door) | 49 |
| 2 Decklid latch release button | 50 |
| 3 Door mirror (right side) | 85 |
| 4 Play/stop button | 74 |
| 5 Back button | 74 |
| 6 Home button | 74 |
| 7 Menu button | 74 |

Driver control switch packs



Left-side

	Page
1 Rear fog light	81
2 High beam lights	81
3 ESC 'Off'	110
4 Transmission reverse gear	101
5 Electric parking brake	105
6 Cabin interior lighting	82
7 Master light switch	80
8 Street/Sport driving modes	107
9 Track/Track+ driving modes	108



Right-side

	Page
1 Engine start/stop	96
2 Cabin temperature increase	89
3 Cabin blower speed increase	89
4 Windshield defrost	90
5 Cabin air recirculation	90
6 Cabin temperature decrease	89
7 Cabin blower speed decrease	89
8 Cabin air flow distribution	90
9 Cabin air conditioning	89

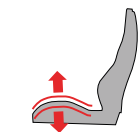
SEATS, SEATBELTS & AIRBAG SYSTEMS



Driver seat adjustment

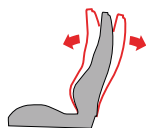


Front seat



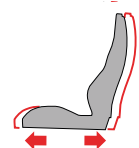
Height

Move the control switch upwards or downwards.



Seat back angle

Rotate the control switch forwards or backwards.



Forwards/backwards

Move the control switch forwards or backwards.

The driver seat must be adjusted to a suitable position so that the seat belt can be worn correctly but is as far away from the driver airbag as possible. The position of the driver seat must allow the driver to drive the vehicle safely.

The distance from the driver seat to the foot pedals must allow the driver to fully depress the pedals. The distance between the driver's chest and the center of the air bag cover must be more than 8" (20 cm). The driver's arms should be slightly bent when holding the steering wheel.

WARNING: Ensure that no persons or objects will be trapped when adjusting the seat.

WARNING: Sit as far back from the steering wheel as is comfortable but ensure that full vehicle control can still be maintained.

WARNING: The driver's arms should be slightly bent when holding the steering wheel.

WARNING: Ensure the seat is locked in position before driving.

WARNING: Do not attempt to adjust the seat position while driving as this could adversely affect your control of the vehicle.

NOTE: The driver and passenger seat both have integral non-adjustable fixed head restraints.

Occupancy weight

The maximum allowable combined weight of the driver and rear seat passenger is 408 lbs. (185 kg).

Rear passenger seat

A single non-adjustable passenger seat is positioned behind the driver seat.

NOTE: Czingar does not recommend the fitment of a child seat on the rear passenger seat, see page 33 for further information.



Passenger entry and exit

If required, before entering the cabin, move the front seat forwards or ▲▼ backwards by pressing the buttons located on the rear of the front seat.

The front seat can also be tilted forward by pulling the strap below the forward/backwards buttons. Push the seat backwards to return to its original position.

NOTE: The limited space between seats requires the passenger's feet to be positioned astride of the driver seat.

Seat belts

Under normal driving conditions, the inertia reel seat belts allow forward movement of the upper body. The belt reel will automatically lock if the vehicle experiences excessive braking, acceleration, cornering forces, or because of impact in a collision. Reel locking will also occur if the vehicle is tilted in any direction.

WARNING: Heavy braking may result in serious personal injury if the seatbelts are not used.

WARNING: Each seat belt assembly is designed for use by one occupant of adult build and should not be used by children unable to meet the requirements described page 33.

WARNING: No modifications or additions should be made to the inertia reel assemblies or seat belts.

WARNING: The seat belt should be replaced if webbing becomes frayed, contaminated, or damaged. Inspect regularly.

WARNING: Do not attempt to adjust the seat belt tension by altering the mechanism.

WARNING: Not checking or maintaining seat belts can result in them not working properly when needed. Check the belts regularly and have any problem corrected immediately.

WARNING: No one should travel in a seat with an inoperative seat belt.

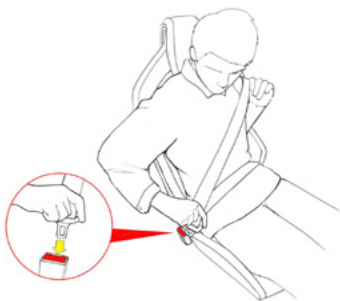
Seat belt cleaning

See page 127.

Wearing a seat belt

Before driving, all occupants must be wearing their seat belts properly.

The driver should be seated comfortably with the vehicle controls, foot pedals and steering wheel within easy reach, also see page 86.



Fitting the belt

- Sit erect and fully back in the seat. Hold the seat belt tongue, pull it across the body and withdraw the belt from the retractor.
- Place the belt over the body before pushing the belt tongue into the buckle lock on the inboard side of the seat, until a positive 'click' is heard.

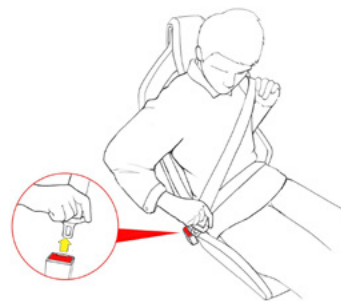
- Pull on the belt to check that it has latched correctly, ensuring that the belt fits firmly against the body with all the slack taken up by the reel.
- The belt should be worn low across the front of the pelvis and across the chest and shoulder.

WARNING: Ensure the belt is not twisted or is trapped in the door or seat mechanism.

WARNING: Place the belt in the loop on the top of the seat back, and make sure the loop is secured. Do not use other seat belt loops or interior fittings.

WARNING: Never use one belt around two people or allow a child to be carried on a driver's or passenger's lap.

WARNING: Improperly positioning the seat belts can cause serious injury or death in a crash.



Releasing the belt

Press the red button on the belt buckle, then let the belt retract.

If the belt does not fully retract, feed it back into the reel by hand so that it is not loose.



Fitting during pregnancy

Czinger advises against driving while pregnant. If you choose to drive during pregnancy, a doctor should be consulted regularly and the “fitting during pregnancy” recommendations should be followed to reduce some risks.

Pregnant women should always wear seat belts to protect both themselves and their unborn child.

The diagonal section of the belt should wrap over the shoulder and then be routed between the breasts and to the side of the abdomen.

The lap belt portion of the belt should be kept as low as possible under the

abdomen and it must not be allowed to ride upward. Remove any slack from the reel, ensuring it fits as close to the body as possible.

Pregnant drivers must adjust the seat and steering wheel positions to maintain the largest distance possible between abdomen and steering wheel but still ensure that the foot pedals and steering wheel can still be easily operated while driving.

To maintain control of the vehicle as pregnancy progresses, further seat and steering wheel adjustments may be required.

Seat belt reminder

If the driver seat belt is not fastened while driving the  symbol in the driver display will flash, accompanied by an audible chime until the seat belt is fastened.

Child restraint

According to accident statistics, children are safer when properly restrained in the rear seating positions than in the front seating positions.

If a child is to be transported in the rear seat of vehicle, the following notes are provided for guidance:

When a child is of a physical size whereby the standard fitment lap and diagonal seat belt will fit satisfactorily, with the belt positioned over the collar bone and against the center of the chest, the standard seat and seat belt should be used.

A suitable booster cushion or child seat should be used if the belt touches or crosses the child's neck or if required by law. This advice also applies to any adult of small stature.



NOTE: All child restraint systems are designed to be secured in vehicle seats by lap belts or the lap belt portion of a lap-shoulder belt.

Czinger does not recommend the fitment of child seat onto the rear passenger seat of this vehicle, but if you decide to fit a child seat, please adhere to the information shown on pages 33 to 35.



WARNING: DEATH or SERIOUS INJURY can occur. Children 12 and under can be killed by air bag NEVER put a rear-facing child seat in the front. Sit as far back as possible from the airbag ALWAYS use SEAT BELTS and CHILD RESTRAINTS.



WARNING: Any child or person not large enough to be able to use the standard seat belt properly must use a suitable booster cushion or child seat.



WARNING: Children could be endangered in a crash if their child restraints are not properly secured in the vehicle.

Suitable child seats

For a passenger between 46" (116 cm) and 59" (150 cm), Czinger recommends using a backless booster seat, preferably equipped with seat latch brackets, see page 34.

A backless booster seat is not needed for passengers taller than 59" (150 cm).

Czinger advises **against** using the following on the rear passenger seat:

- Rear facing child seats.
- Rear & forward-facing child seats.
- Harness-to-booster seats.
- High back-booster seats.

If you choose to travel with a child under 12 years old, or smaller than 59" (150 cm). Please secure the child with an age and size appropriate child restraint system and follow all the recommendations.

Also refer to current national and local laws for specific requirements.

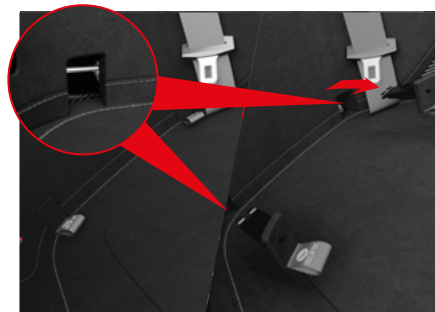
WARNING: Some child seats are designed to be secured in the car seat by the lap belt portion of the lap and diagonal belt. READ AND APPLY ALL INSTRUCTIONS THAT ACCOMPANY THE CHILD RESTRAINT OR BOOSTER SEAT.

WARNING: Infants who are unable to sit up by themselves unsupported must be carried only in a suitable rearward facing child seat.

NOTE: When using child safety equipment, it is important to read the installation instructions included and fit the equipment properly. In the event of questions when fitting child safety equipment, contact the manufacturer for further information.

NOTE: Never leave a child seat loose in the vehicle. Always secure it in accordance to its installation instructions, even when it is not in use.

NOTE: Long-term fitment of a child seat may cause wear to the vehicle seat.



Child seat latches

Two lower anchors are fitted behind the rear passenger seat, located between the seat cushion and seat back which are identified by 🛖 symbols.

- Remove the covers located above the 🛖 symbols.
- Position the base of the backless booster seat into place on the seat cushion.
- Push the backless booster seat inwards and engage the child seat/ cushion latches onto the lower anchors.
- Pull the backless booster seat to ensure that the latches are engaged correctly.

Follow any instructions supplied by the manufacturer of the child seat to ensure that the latch connectors are properly locked into place onto the lower anchors.

- Refit the lower anchor covers once the child seat/cushion is removed.

Automatic locking retractor

The safety belt for the passenger seat is equipped with an automatic locking retractor which must be used if fitting a child seat using the seat belt in that position. When activated, this retractor will only allow the seat belt to further retract but not extend allowing you to securely fasten the child seat restraint to the vehicle seat. Refer also to "Child restraints" on page 33.

Activating the retractor:

- Pull the whole available length of belt out from the reel. At this point, the locking mechanism is activated. With the belt now in locking mode, it may be retracted but it cannot be extended again until it has been fully retracted into reel.
- Place the forward-facing child seat in position and secure with the seat belt following the instructions supplied with the child seat.
- Insert the latch tongue into the buckle and ensure it is properly latched. Push the child seat into the seat back and allow the seat belt to retract until the child seat is held securely in place.
- Check to make sure the child seat is secured and that the belt is snug and will not extend.

Removing the child safety seat:

Unbuckle the seat belt.

Fully retract the seat belt, passing it through the child seat mounting points and remove the child seat. Ensure the seat belt is fully retracted and that the automatic locking feature is disengaged.



WARNING: Use of child restraints which are not compatible with the vehicle may result in death or serious injury in the event of an accident.

Persons with disabilities

Persons with disabilities which may affect the correct operation of the airbag system should consult with their physician to determine the advisability of travelling in a 21C. There is no provision for manually turning off the driver airbag. For further information, contact:

Czinger Vehicles.
19601 Hamilton Ave.
Torrance, CA 90502.
Contact: info@czinger.com

Airbag system

Together with wearing seat belts, the airbag system provides the vehicle occupants additional protection in the event of a severe collision.

Airbags are designed to work with the seat belt system. If a seatbelt is not used or is used incorrectly, this may reduce the protection the airbag could provide in the event of a collision.

The main components of an airbag system are:

- Airbag control module and sensors.
- Driver airbag.
- Driver side airbags.
- Pretensioning seat belts.



WARNING: Even with airbags fitted, vehicle occupants can be killed or seriously injured in a crash if they are not wearing a seat belt.

Airbag warning lamp



A fault has been detected in the airbag safety system if this warning lamp illuminates while driving, indicating that one or more of the airbags may not activate in the event of a collision.



WARNING: If the airbag warning lamp does not illuminate as the ignition is turned on, or remains illuminated for more than a few seconds, have the fault rectified immediately by your Czingier Retailer. Ignoring the lamp could result in the airbags or belt pretensioners not operating when needed.



WARNING: Do not use any electrical test equipment or modify the wiring for any electrical accessories in the vicinity of SRS components or wiring harnesses. Doing so may disable the airbag system or cause its unintended deployment and result in personal injury.

Seat belt pretensioners

Both driver and passenger seat belts are equipped with pretensioners fitted within the retractor mechanism. The driver's belt is also equipped with a lap anchor pretensioner.

If a frontal impact is severe enough to deploy the airbags system, or if the vehicle rolls over, the pretensioners will activate, tightening the seat belts to keep the occupants more centrally located in the vehicle to increase occupant protection.



Driver airbag

The driver airbag is fitted into the center of the steering wheel, with the word 'AIRBAG' marked on the cover panel.

In a severe frontal collision, the airbag inflates in a fraction of a second to provide protection for the upper body of the driver.

Dependent upon the angle of collision (front or near frontal) the driver airbag may activate without activating the side airbags.

Airbags deflate rapidly during the collision to minimize any obstruction to the occupants and reduce any danger of suffocation. During deflation

it is normal for smoke to escape from the airbag.

Always hold the steering wheel by the outer rim. Never rest your hands on the airbag cover or attach anything to the steering wheel.

Sit as far back from the steering wheel as is comfortable, but ensuring that the brake pedal can still be fully depressed, and that full control of the vehicle can be maintained.



WARNING: The path of an inflating airbag must be kept clear. If an object is placed between a occupant and an airbag, the airbag might not inflate properly, or it might force the object into that person.



WARNING

DEATH or SERIOUS INJURY can occur
Children 12 and under can be killed by air bag
NEVER put a rear-facing child seat in the front
Sit as far back as possible from the air bag
ALWAYS use SEAT BELTS and CHILD RESTRAINTS

Airbag label

U.S. Federal vehicle regulations mandate that the above airbag warning label is positioned on the sun visor.



Side airbags

Side airbags are fitted below the windows, behind panels on both doors. The airbags help protect the occupants of the vehicle. The panels are labelled with 'AIRBAG'.

If the vehicle is involved in a moderate to severe frontal, rear or side collision, the airbags are deployed to prevent the occupants from striking their heads on the inside of the vehicle.

During airbag deflation it is normal for smoke to escape from the airbag.



WARNING: The path of an inflating airbag must be kept clear. If an object is placed between a occupant and an airbag, the airbag might not inflate properly, or it might force the object into that person.



WARNING: Never drive with your arm or head out of the window as this will place your arm, head and neck in the path of the side airbag deployment area.



WARNING: Do not screw or install anything onto the door or side panels, as this could compromise the intended protection.



NOTE: The side airbags may not deploy in all side impact situations.

KEYFOBS & DOORS





Keyfobs

2 keyfobs are supplied with the vehicle.

The keyfob:

- Locks or unlocks the vehicle.
- Activates the vehicle ignition modes and keyless vehicle starting, see page 96.

Keyfob detection alert

A keyfob must be in the vehicle cabin to activate any ignition modes and start the vehicle.

Key not detected

If you press the engine start/stop button and a keyfob is not detected, a message is shown in the driver's display.

Keyfob storage

If only one keyfob is being used, then any other keyfobs should be kept in a safe place and a replacement obtained immediately if any are lost or stolen.

Ordering keyfobs

Additional keyfobs can be ordered and programmed by your Czinger Retailer.

Lost or stolen keyfobs

If a keyfob is lost, then any remaining keyfobs should also be taken to your Czinger Retailer so that they can erase the code of the lost keyfob from the vehicle system for anti-theft purposes.



WARNING: Always switch off the ignition and do not leave the keyfob in the cabin when leaving the vehicle.



WARNING: Never leave the vehicle unattended with the keyfob in the cabin, especially if unsupervised children and/or animals are in the vehicle.



CAUTION: Do not modify the keyfob or strike it against hard objects as this could affect its functionality.

Keyfob range

Normal operation range from the vehicle may be reduced by:

- The vehicle being close to a radio/ TV tower/mast or a power station.
- The keyfob being close to other wireless equipment, such as a mobile phone, a transmitter or a radio.
- The keyfob touching or being covered by a metallic material.
- The keyfob being close to an electrical device such as a computer.
- The keyfob battery having a low state of charge.
- Other environmental conditions.

If the doors do not lock/unlock when a keyfob button is pressed - move closer to the vehicle and try again.

Keyfob buttons

-  Press to lock both doors and decklid, see page 48.
-  Press to unlock both doors and decklid, see page 46.
-  Press to unlatch the decklid, see page 50.

Both doors and the decklid must be closed to lock the vehicle completely.



Locking/unlocking confirmation

Locking:

- The hazard warning lamps flash once.
- The exterior mirror housings rotate inwards.

Unlocking:

- The hazard warning lamps flash twice.
- The exterior mirror housings rotate outwards.



NOTE: If a door or decklid is open, or not fully closed when trying to lock the vehicle, the hazard warning lights will flash twice and the mirror housings will not rotate inwards.

Keyfob removed from cabin

Key not detected An audible reminder accompanied by a message in the driver display screen is shown if the keyfob is removed from the cabin when the vehicle ignition is in either 'Accessory' or 'Running' mode.

The message extinguishes when the keyfob is returned to the vehicle.

Keyfob battery

Replace keyfob battery soon The functional life of the keyfob battery varies on how often the vehicle/ keyfob is used. If this message is shown in the driver display screen, then replace the battery as soon as possible.

The keyfob battery should be replaced if the central locking repeatedly does not react to signals from the keyfob.

Replacing the keyfob battery



Opening the keyfob

Pry the end cap of the keyfob off, using either your finger or thumb nails.



Lift the cover away from the keyfob case.



Battery removal

Lift the battery up from its edges and remove it from the battery holder.

! CAUTION: Do not touch the electrical contact surfaces on a new battery with your fingers as this may impair its function or reduce its functional life.

Fitting a new battery

Ensure the new battery is facing with the (+) side upwards, then place it into the battery holder. Place the keyfob cover onto the keyfob case, then refit the end cap, a clicking noise indicates that the cover is securely closed.

 **NOTE:** Replace only with a 3V, CR2032 type battery.

 **WARNING:** Check that the battery is fitted correctly. If the battery appears to be damaged or leaking, then wear protective gloves when handling. Damaged or leaking batteries may cause corrosive injury on contact with the skin.

 **WARNING:** Batteries must not be dismantled, short-circuited or thrown into open flames.

 **WARNING:** Do not attempt to charge a non-rechargeable battery, this may cause an explosion.

 **WARNING:** Keep batteries out of the reach of children and pets as they can be swallowed.

 **WARNING:** Check the keyfob for any damage before use. If you see damage, such as if the battery cover cannot be closed properly, then the keyfob should not be used. Keep defective products out of the reach of children.



Only dispose of the battery at an official recycling collection point. Do not dispose of with any other general household waste.

THE FOLLOWING STATEMENTS ARE MANDATED BY THE FEDERAL COMMUNICATIONS COMMISSION:

CC ID: 2BK5KSEERECUA

IC: 33061-SEERECUA

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES AND WITH LICENCE EXEMPT RSS STANDARDS OF INDUSTRY CANADA. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

1. THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
2. THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

LE PRÉSENT APPAREIL EST CONFORME AUX CNR D'INDUSTRIE CANADA APPLICABLES AUX APPAREILS RADIO EXEMPTS DE LICENCE. L'EXPLOITATION EST AUTORISÉE AUX DEUX CONDITIONS SUIVANTES:

1. L'APPAREIL NE DOIT PAS PRODUIRE DE BROUILLAGE, ET
2. L'UTILISATEUR DE L'APPAREIL DOIT ACCEPTER TOUT BROUILLAGE RADIOÉLECTRIQUE SUBI, MÊME SI LE BROUILLAGE EST SUSCEPTIBLE D'EN COMPROMETTRE LE FONCTIONNEMENT.

WARNING: CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT. THE TERM "IC:" BEFORE THE RADIO CERTIFICATION NUMBER ONLY SIGNIFIES THAT INDUSTRY CANADA TECHNICAL SPECIFICATIONS WERE MET.

RF RADIATION EXPOSURE STATEMENT: THIS EQUIPMENT COMPLIES WITH FCC RF RADIATION EXPOSURE LIMITS SET FORTH FOR AN UNCONTROLLED ENVIRONMENT. THIS DEVICE AND ITS ANTENNA MUST NOT BE CO-LOCATED OR OPERATING IN CONJUNCTION WITH ANY OTHER ANTENNA OR TRANSMITTER.

Doors

Unlocking from the outside

- Press the  button on the keyfob to unlock both doors.
- The hazard warning lamps will flash twice and the exterior mirror housings will rotate outwards.

 **WARNING:** The keyfob is used to start the vehicle and activate other vehicle features. Always take the keyfob with you when you leave the vehicle.

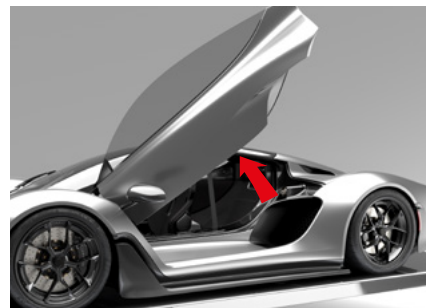
 **WARNING:** Young children who get into unlocked cars may be unable to get out. Always lock your vehicle whenever you leave it unattended.



Opening from the outside

- Press the button to unlatch the door, ensuring no persons or objects are near to the door to be opened.

 **WARNING:** Standing near a moving door may cause injury.



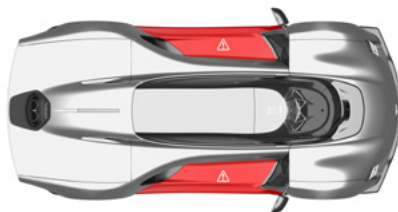
- Lift the rear of the door from underneath air scoop area to raise it open.

 **NOTE:** Gas strut assistance is used to aid door opening, the effort required to open the doors may be affected by the ambient temperature.

 **CAUTION:** The doors open forwards and upwards. Ensure that there is sufficient clearance before opening or closing a door, see 'Vehicle Dimensions' within the 'Technical Data' section.

- Stop raising the door if you wish to close it again before it reaches the fully open position.
- Once the door is fully raised, the gas strut will keep the door in the open position.

 **NOTE:** The gas strut will start to self-raise the door as it begins to reach the fully open position.



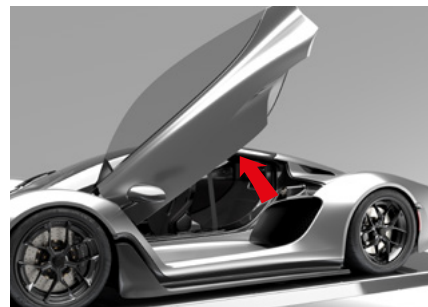
No step zones

Do not use the vehicle bodyside as a step when entering/exiting the vehicle. These panels are not designed to be used as steps and do not provide and foot grip.

 **WARNING:** Using them for this purpose could result in personal injury due to slipping as well as potentially damaging the panels.

 **WARNING:** To ensure control of the door and prevent the risk of the door colliding with a person or object, always hold the door until it reaches the fully open position.

 **WARNING:** Do not attempt to enter the vehicle until the door is in the fully open position.



Closing from the outside

- Push the door downwards, gas strut assistance will support the door for a smooth, controlled closing.
- Let go of the door when a click is heard as the door striker contacts the latch, the latch mechanism will then fully close the door.

 **WARNING:** Before closing a door take care to avoid injury or damage by ensuring that no persons or objects will be trapped.

 **CAUTION:** Take your keyfob with you when closing the door.

 **NOTE:** Gas strut assistance is used to aid door closing, the speed and control of the door closing may be affected by the ambient temperature.

Locking from the outside

- With all occupants out of the vehicle, the windows fully raised, both doors and decklid closed, press the  button on key fob.
- The hazard warning lamps will flash and the exterior mirror housings will rotate inwards.



Closing from the inside

- Holding the door grab handle, pull the door downwards, gas strut assistance will support the door for a smooth, controlled closing.
- Let go of the door when a click is heard as the door striker contacts the latch, the latch mechanism will then fully close the door.

 **NOTE:** Gas strut assistance is used to aid door closing, the speed and control of the door closing may be affected by the ambient temperature.



Locking from the inside

With both doors fully closed, press the  button on the left-side door panel.

Opening from the inside

- With the vehicle stationary and the parking brake applied, press the applicable  button in the left or right-side door switch panel to unlatch the door latch mechanism.



- Holding the door grab handle, push the door upwards, gas strut assistance will support the door for a smooth, controlled opening.
- Once the door is fully raised, the gas strut will keep the door in the open position.



NOTE: Gas strut assistance is used to aid door opening, the effort required to open the doors may be affected by the ambient temperature.



NOTE: The gas strut will start to self-raise the door as it begins to reach the fully open position.



WARNING: To ensure control of the door and prevent the risk of the door colliding with a person or object, always hold the door until it reaches the fully open position.



WARNING: Do not exit the vehicle or reach out of the door opening before it has reached full extent of travel, or while the door is still moving.



WARNING: Do not release the parking brake or drive the vehicle with a door open. This could cause a loss of vehicle control, resulting in damage to the vehicle, personal injury or injury to others.



Emergency unlocking

In the event of a vehicle electrical failure the door mechanisms can be unlatched by pulling on the emergency latch release levers, located in the door pockets.

Decklid opening with the keyfob

Pressing the  button on the keyfob to unlatch the decklid, while the doors will remain locked.

When closing the decklid, ensure that the keyfob has not been placed within the engine bay.

! CAUTION: Do not leave the keyfob in the engine compartment when closing the decklid if the rest of the vehicle is locked, as closing the decklid will then completely lock the vehicle. The other keyfob will be required to unlock the vehicle.

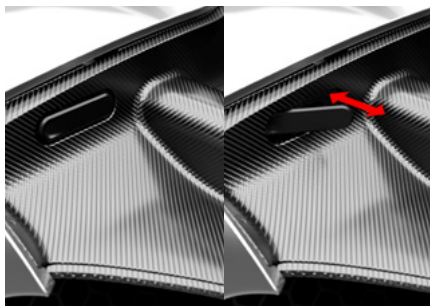


Decklid latch release using switch

Press and hold the  switch located on the on the right-side door panel to unlatch the decklid.

! CAUTION: Pressing the switch releases the latching mechanism, if pressed accidentally, the decklid must be manually closed before driving or locking the vehicle.

A notification message is shown in the driver display if the decklid is open or not fully latched, see page 60.



Decklid latch release using lever

A manual release handle is located within the rear of the right-hand door shut. To operate:

- Press the outer section or the lever. The inner section of the handle will pivot outwards.
- Pull the inner section to release the decklid latches

After using the release lever, take extra care to ensure the decklid is fully closed.



Decklid opening

With the decklid latches released, lift it fully upwards from either side of the decklid panel, (do not lift from the wing). The struts will assist with lifting and will hold it in position once fully raised.



WARNING: The ventilation grilles may become hot, take care to avoid burn injuries. When opening the decklid, beware of any hot surfaces exposed in the engine bay.



Decklid closing

- Pull down from both sides of the decklid panel, (do not pull the wing).
- Let go of the decklid when a click is heard as the decklid strikers contact the latches, the latch mechanisms will then fully close the decklid.



CAUTION: Do not leave the keyfob in the engine compartment when closing the decklid.

Before closing, ensure that no objects will be trapped. Ensure that there are no obstructions that would prevent the decklid from closing.



Trunk opening

The Vmax is equipped with a luggage compartment in the rear of the vehicle. To access the luggage compartment open the decklid (see page 51).

To open the luggage compartment, push on the release button. The luggage compartment lid will open allowing access to the luggage compartment. To close the luggage compartment lid, push down on the lid until it latches in place

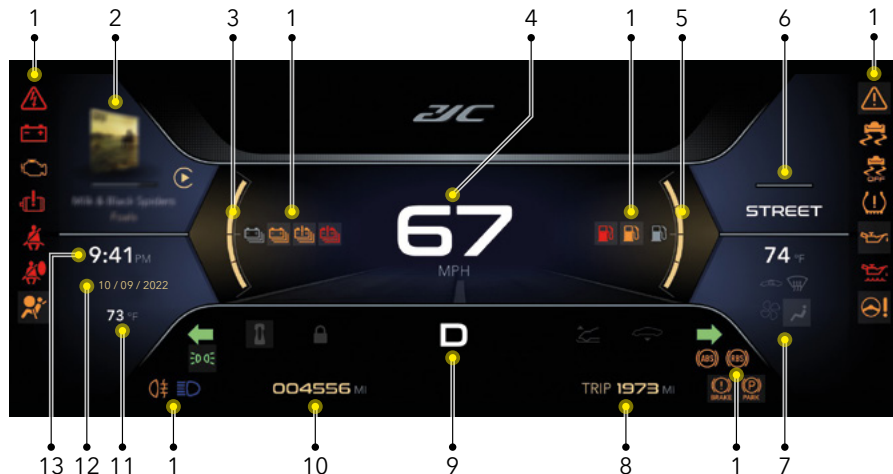
⚠ WARNING: The luggage compartment can get hot. Do not put anything in the luggage compartment that has a low melting temperature or is flammable or combustible

⚠ WARNING: Items can move around in the luggage compartment if they are not secured in place. Take care to not put fragile items that may break in the luggage compartment

DRIVER DISPLAY

DRIVER DISPLAY

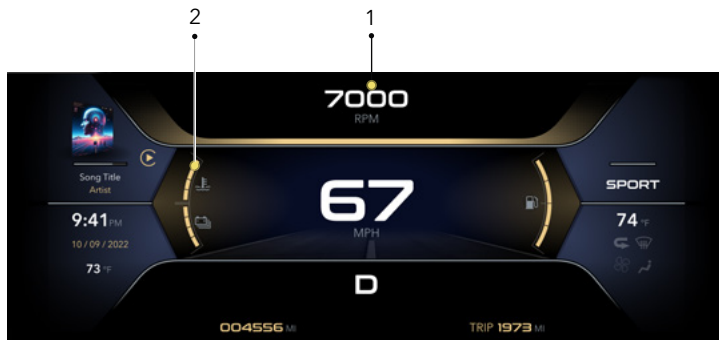




Display screen options

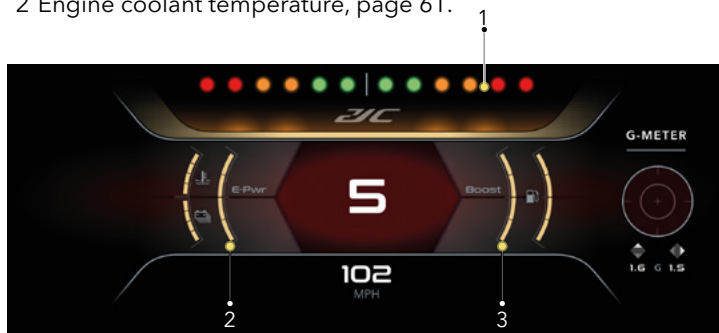
Street mode display

- 1 System status & warning lamps, page 56.
- 2 Media/phone display, page 74 and 75.
- 3 High voltage battery level, page 61.
- 4 Speedometer, page 62.
- 5 Fuel gauge, page 60.
- 6 Drive mode/widgets, page 67 and 107.
- 7 Climate control information, page 99.
- 8 Trip meter, page 65.
- 9 Drive indicator, page 64.
- 10 Odometer, page 64.
- 11 Outside air temperature, page 62.
- 12 Date, page 62.
- 13 Clock, page 62.



Sport mode display

- 1 Tachometer, page 65.
- 2 Engine coolant temperature, page 61.



Track and Track+ mode displays

- 1 Performance gear shift lighting, page 63.
- 2 E-pwr, page 66.
- 3 Boost, page 65.

Driver display overview

All driver vehicle information including the status of specific vehicle systems, warnings, messages, infotainment and widgets are viewed from the driver display.

Driver display activation

When the vehicle ignition is in 'Accessory' mode, the driver display transitions from the welcome screen to the Street mode display screen.

Information layout

Certain information may change location or appearance within the display dependent on vehicle system options chosen or the menu screen currently shown.



WARNING: Do not become distracted by the driver display while driving. You could cause an accident.

It is recommended to stop the vehicle before using certain applications available.

Display symbols

The symbols within the driver display are used to indicate either:

Status: A system or control has been selected (such as direction indicators, main beams/low beams).

Warnings: Potential vehicle system faults (such as low brake fluid or 12V battery charging).

Gauges: Shows the extent of a resource within a range (such as fuel level, battery charge or engine coolant temperature).

Display symbol check

To check that all warning systems are operating correctly, symbols used for warning alerts briefly illuminate within the Street mode driver display when the 'Accessory' ignition mode is activated. If any symbol fails to light, contact your Czinger retailer immediately.

Engine malfunction indicator lamp

With the vehicle in 'Accessory' ignition mode, the MIL will illuminate continuously for a minimum of 15 seconds. This is a MIL function check. Once the engine is started, and if no faults are present, the MIL will extinguish. If a fault occurs subsequently, the MIL will illuminate. Also see page 58.

Warning symbol illumination

A warning symbol flashing constantly or permanently illuminated while driving may indicate a fault in the operation of the system concerned. Do not ignore any illuminated warning lights; contact your Czinger retailer immediately.

System status indicator symbols

Symbol	Description
	Information/notifications Illuminates amber in conjunction with text and other symbols on the driver display.
	Parking brake Illuminates red when the parking brake has been applied. Page 105.
	Left & right direction indicators Flashes green when the direction indicators or hazard lights are active. Page 82.
	Low beam Lamps Illuminates green when the position and low beam lamps are active. Page 80.
	High beam lamps Illuminates blue when the headlamp high beams are active. Page 80.
	Rear fog lamps Illuminates amber when the rear fog lamps are active. Page 81.

Warning indicator symbols

Symbol	Description
	Seatbelt reminder Illuminates or flashes red if a seat belt is not fastened. Page 32.
	Electronic stability control off Illuminates amber if the stability program has been manually turned off. Page 105.
	Low fuel level Illuminates amber indicating a low fuel level in the fuel tank. Page 60
	Door status Illuminated to show if either or both doors are open. Page 46.
	Nose/vehicle lift Illuminated to show nose lift activated. Page 124.
	Illuminated to show vehicle lowered in Track+ mode. Page 108.

Symbol	Description
	General warning triangle Illuminates red in conjunction with other warnings when a fault has been detected which could affect the safety or drivability of the vehicle. An explanatory text may also be shown on the driver display at the same time.
	Failure warning triangle Positioned to the left-hand side of the driver display, illuminates red in conjunction with other warnings when a fault with either the high voltage, powertrain, power steering or occupant restraint systems has been detected. An explanatory text may also be shown on the driver display at the same time. See page 23.

Symbol	Description
	Brake fault Illuminates red if the brake fluid level is excessively low or a fault is detected in the braking system. Page 102.
	Illuminates amber to indicate if a fault in the electronic parking brake system is detected.
	Anti-Lock Braking System (ABS) Illuminates amber if the system is not operating. The vehicle's regular braking system will continue to operate but without the ABS function. Page 103.

Symbol	Description
	Engine oil pressure Illuminates red. If the light fails to go out after engine start up, or comes on when the engine is running, stop the engine immediately or when it is safe to do so. Do not restart until the cause has been rectified.
	Electronic stability control activated Illuminates amber if the system has been triggered while driving. Page 105.
	Engine Coolant Temperature See page 61.

! CAUTION: Continuing to drive the vehicle with the oil pressure or coolant lamp illuminated may result in engine damage.

Symbol	Description
	Malfunction Illuminates amber. If illuminated continuously while driving, a fault in the vehicle's emission system is detected. Reduce speed immediately and seek advice from your Czingir Retailer without delay. Avoid all unnecessary journeys. Flashes when a fault occurs that could cause overheating damage to a catalytic converter. Slow down immediately and prepare to stop. If the lamp stops flashing and is illuminated continuously, proceed with caution and seek Retailer advice. If the lamp continues to flash, stop the vehicle as soon as it is safe to do so and switch off the vehicle.

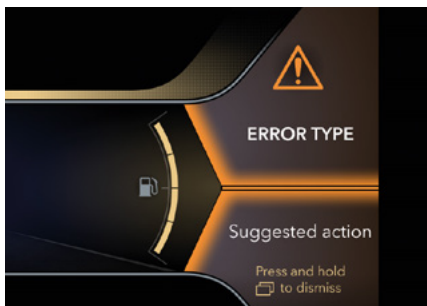
! WARNING: Continuing to drive the car with the lamp flashing may cause an engine bay fire.

Symbol	Description
	12V battery charging Illuminates red if the battery voltage is low. Stop the vehicle as soon as safely possible and turn off the vehicle.
	Electrical fault Illuminates red when there is an electrical fault. Stop the vehicle as soon as safely possible and turn off the engine.
	Critical powertrain fault Illuminates red. Shut down the vehicle as soon as it is safe to do so and contact your Czingir Retailer without delay.

Symbol	Description
	High voltage battery fault Illuminates amber to indicate that battery is in abnormal operating mode or that a battery service is required, and battery performance may be reduced. Pages 60 and 61.
	High voltage battery fault Illuminates amber: Indicates that battery performance is reduced and will not operate on the next key cycle. Illuminates red: Indicates that the battery has failed and has already stopped charging or will stop charging imminently. Information will also be shown in the driver display. Pages 60 and 61.

Symbol	Description
	Tire Pressure Monitoring System Illuminates amber when a tire pressure is too low. If selected as a widget option, current pressure and temperature information will also be shown in the driver display. Information can also be shown in the driver display. Page 145. If there is a fault in the tire pressure system, the symbol will flash for approximately 1 minute and then illuminate with a constant glow indicating that the system cannot detect or warn of low tire pressure as intended.

Symbol	Description
	Power steering warning Illuminates amber: System in fail safe/limp home mode, steering assistance is limited. Illuminates red: System is not working, no steering assistance available.
	Driver airbag Illuminated red. If the lamp remains illuminated or illuminates while driving, a fault in the airbag or pre-tensioned seat belt system has been detected, which should be rectified without delay. Page 38.
	Side airbags Illuminated red. If the lamp remains illuminated or illuminates while driving, a fault in the side airbag system has been detected, which should be rectified without delay. Page 39.



Messages

Certain faults detected by the vehicle will illuminate a symbol, generate a chime, message and icon that will override the right-hand side of the driver display screen.

The message will describe any actions to be taken by the driver.

Some messages may only appear briefly and then stored as notifications, but any associated message symbols will remain illuminated until the fault is rectified.

Messages may automatically delete when the fault is rectified or action is taken, (such as fitting a seatbelt).

Messages that indicate a severe safety or system malfunction fault will remain constantly displayed until the message is acknowledged by the driver by pressing and holding the scroll button  on the left-hand steering wheel keypad (see page 67), until the message is stored.

See page 67 for viewing stored messages.



Fuel gauge

The white zone within the gauge line indicates the quantity of fuel within the fuel tank. As fuel is consumed the length of the white zone shortens.

An amber illuminated  symbol indicates that the remain fuel in the fuel tank is approaching the low level. A red illuminated  symbol indicates the fuel level is now low (4 gallons approximately), messages will also appear in the driver's display.

If the  symbol is illuminated red, refuel as soon as possible, (see page 114). Only use the remaining fuel for emergency use. Using this fuel may cause intermittent fuel starvation and potential engine damage. In such

situations the driving style should be modified to minimize engine load and cornering forces.

Also refer to 'Technical Data Section' for fuel tank capacity information.

! CAUTION: Do not allow the tank to run completely dry, as this could damage the catalytic converters and fuel pump, the results of which, would not be covered by the New Vehicle Warranty.



Engine coolant temperature gauge

The length of the white zone increases as the coolant becomes warmer.

The gauge line will become red in color if the coolant temperature becomes too hot. The  symbol will also illuminate red. A chime accompanied by a notification message is generated if a low coolant level is detected, also see page 60.

Ensure to follow the instructions on any engine coolant temperature notification messages that are shown in the driver display. These messages may include stopping the vehicle immediately and turning off the engine to prevent potential engine damage.

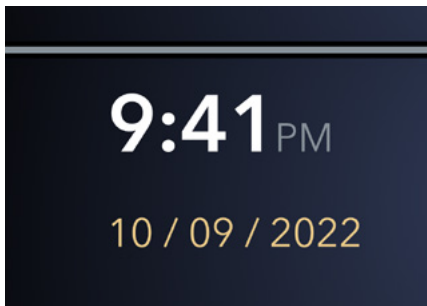


High voltage battery state of charge

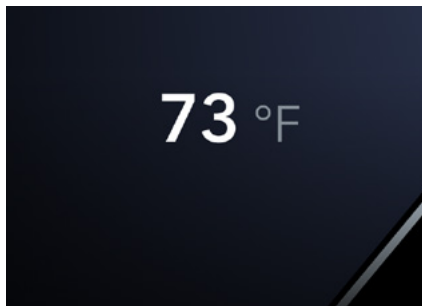
The white zone within the gauge line indicates the SOC (State of Charge) of the high voltage battery as a percentage.



The illumination of these symbols indicate either that battery is no longer being charged or that a fault has occurred within that battery. notification messages will also appear in the driver display, also see pages 59 and 60.

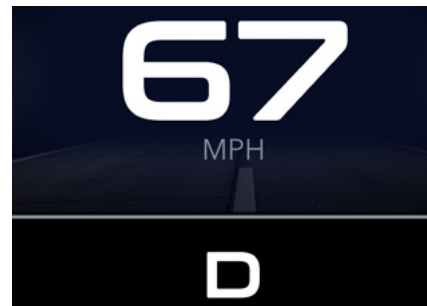
**Clock/date**

The clock and date are shown on the left-side of the display. See page 68 for available date and time setting options.

**Outside air temperature**

The outside air temperature reading is shown on the left-side of the display below the clock and date information, see. See page 68 for available setting options.

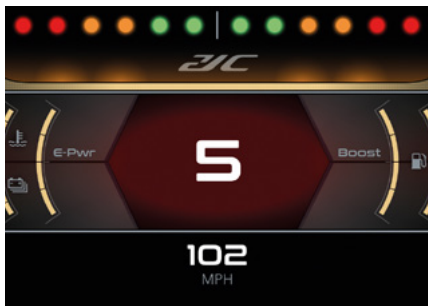
The outside temperature reading displayed may be too high if the vehicle remains stationary.

**Speedometer**

The speed units can be changed between mph or km/h. See page 68 for available setting options.



NOTE: Odometer and trip distance values will also change to match speedometer speed units.



Performance gear shift lighting

Available in Track and Track+ mode only, the tachometer is replaced with performance gear shifting lights.

As engine speed approaches maximum, the light illumination will transition from green to red (dependent of the current engine speed and gear engaged).

Optimum gearshifts will be achieved, if upshifts are carried out as soon as the red lights are observed, (before the engine rev-limiter is activated).

The lights will also illuminate at lower rpms when engine speed is increasing quickly to indicate to the driver when upshifts should be carried out.

Lighting sequence

Illumination

Upshift light 1

Upshift light 2

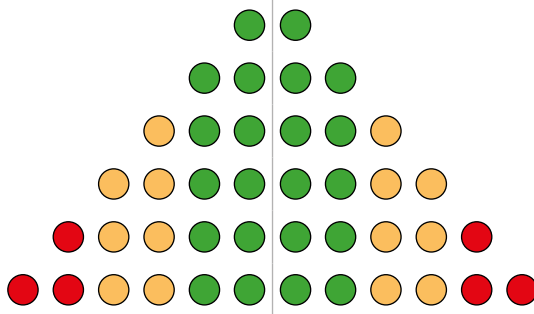
Upshift light 3

Upshift light 4

Upshift light 5

Upshift light 6

Pattern sequence/color



Gear display

The gear indicator shows the current gear position selected dependent on the transmission mode selected.

Forward D - Drive

Available in all vehicle drive modes.

Gear display

R - Reverse

N - Neutral

D - Drive



Gears available none - vehicle powered by front electronic axle.

Automatic selection mode

Available in Sport and Track modes.

Gear display

R - Reverse

N - Neutral

D - Drive



Gears available 1 - 7

Manual selection mode

Available in Sport and Track modes.

Gear display

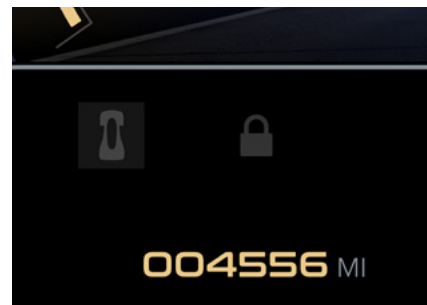
R - Reverse

N - Neutral

Forward gears 1 - 7



See pages 98 and 107 for information on transmission modes and vehicle drive modes.

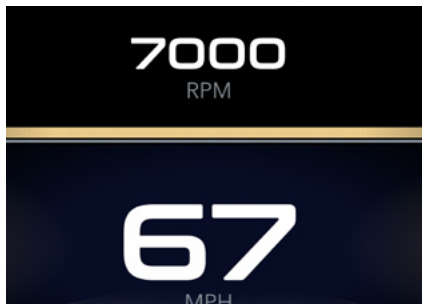
**Odometer**

Displays the total distance the vehicle has travelled; this cannot be reset.



Trip

Displays the distance the vehicle has travelled since the trip was last reset. See page 67 for resetting information.

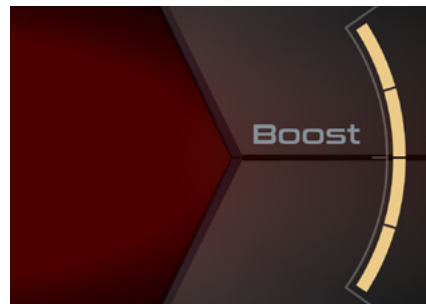


Tachometer

Available in Sport mode and displays the engine speed in revolutions per minute, (rpm).

The brightness of the illuminated light bar under the tachometer increases with engine speed.

! CAUTION: Do not run the engine continuously at its maximum speed.



Boost gauge

Available in Track/Track+ mode displays, and shows the engines turbo manifold boost pressure.

**E-Pwr gauge**

Available in Track/Track+ mode displays, and shows the torque output of the electric front axle.

Vehicle drive mode display

The format and layout of the driver display is linked to current drive mode selected. See pages 54 and 55 for information on driver displays and vehicle drive modes.

Widgets

Widgets are shown in the right-hand side of the driver display.

Widget options

- Current vehicle drive mode
- G-force meter
- Trip
 - Press the  toggle button to reset
- TPMS (Tire Pressure Monitoring System)
- Information - warnings
 - Press and hold the  toggle button to view
 - Press and hold the  toggle button to dismiss

Selecting widgets

Pressing the scroll button on the left-hand steering wheel keypad cycles through the widget options.



Driver display menu options

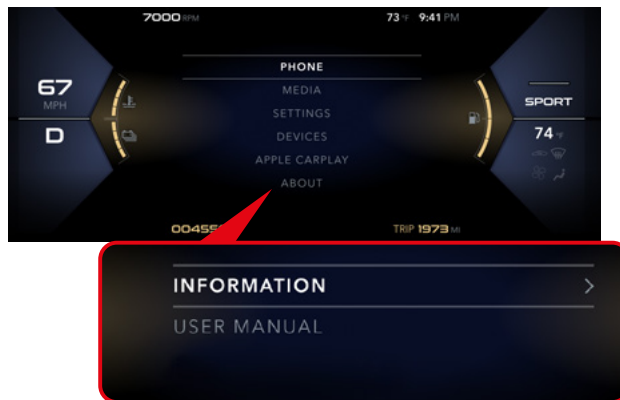
Driver display menus, media/audio and device options are controlled using the buttons shown below, located on the right-side door switch panel, also see page 26.

 Select/play/pause

 Menu

 Home

 Back



Selecting menus

Press the  or  buttons to show the menu options.



Rotate or move the  button backwards/forwards to highlight the main and sub menu options.



Press the  button again to select a menu option.



Returning to previous menus

Press the  button once to return to the previous menu, continued presses will return to the driver display home screen.

Exiting menu options

Press the  button from any menu screen until it returns to the driver display home screen.

See page 69 for the list of menu options.

Volume control

Connected media, device and phone volume is controlled by rotating the  scroll button on the right-hand steering wheel keypad, see page 25.



The volume level is shown at the bottom of the driver display when adjusting.

 **WARNING:** Do not become distracted by these system options while driving. You could cause an accident.

Driver display menu options

Menu	Sub menu	Options
Phone	Recent calls	> List of recent calls
	Contacts	> Contacts list and available phone numbers
	Keypad	> Open keypad menu
	No phone connected	> Press enter to go to device list
Media	No device connected	> Connect media device
	Device connected	> Play media files from a suitable Bluetooth connected device
Settings	Interface	> Digital rpm (on/off)
		> EQ base - adjust
	Audio	Treble - adjust
		Mid - adjust
		Balance - adjust
		Fader - adjust
	Units	> Speedometer - mph/km/h
		Temperature - °Fahrenheit/°Centigrade.
		Pressure - PSI/kPa/BAR
	Date & time	> Clock mode - 12hr/24hr
		Date mode - US/UK
		Time set - auto/manual
		Make adjustment
	Languages	Time set in auto - daylight savings - on/off. Set time zone
		Time set in manual - time/date
		> Select driver display language from the list available

Menu	Sub menu	Options
Devices	Pair new	> Connection screen
		Select connection - Apple CarPlay/Bluetooth
		Waiting for connection screen
	List of devices	> Select phone from list of devices available using Apple CarPlay
		Options for selecting device - Bluetooth
		Options for selecting device - forget
Apple CarPlay	Apple CarPlay	> See page 74
About	Information	> Displays V.I.N. (Vehicle Identification Number) and current software level installed
	User manual	> QR code shown to scan with a suitable device to view main owner's handbook
	Engineering data	> Engineering screen 1
		Engineering screen 2



CONNECTING DEVICES

Bluetooth

A suitable Bluetooth enabled device can be wirelessly connected to the vehicle to:

- Access mobile phone.
- Play any stored media files.
- Play media from apps.
- Phone projection for Apple CarPlay.

A maximum of 5 devices can be paired to the vehicle. Only one paired device can be connected at a time.



NOTE: Bluetooth operation can quickly drain a device's battery charge, it is recommended to also connect the device to a USB port to maintain battery charge, see page 104.

Automatic connection

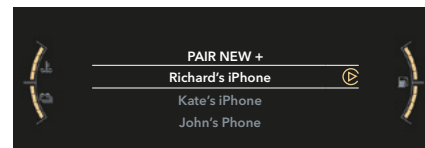
the vehicle automatically connects to the previously connected device at start up if available.

Automatic activation

If the connected device is currently being used outside of the vehicle, it will automatically resume activation when entering the vehicle and activating the ignition.

Selecting device options

The  button is used to highlight and select options for device connection, also see page 68.



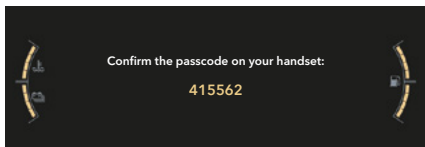
Connecting a paired device

- Turn on the Bluetooth function on your device.
- From the driver display, select the devices menu, see pages 68 and 70.
- Highlight and select the device to be connected.
- When connected, select from either the Apple CarPlay or Bluetooth options.

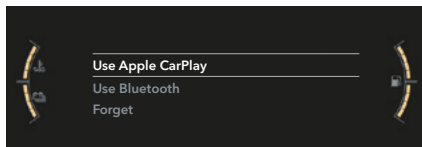
Pairing a device

Pairing only requires carrying out once, but if the device was deleted from the list of paired devices, it will require pairing again.

- Turn on the Bluetooth function on your device and ensure discovery mode is activated.
- From the driver display, select the devices menu, see pages 68 and 70.
- From your phone, search for Czinger on the list of available devices.



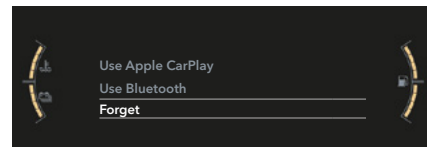
- Once the vehicle is selected on your phone, a message is shown asking you to confirm the passcode on the device, confirm by pressing  button.



When paired, select from either the Apple CarPlay or Bluetooth options.

Disconnecting a device

Disconnecting the current device requires connecting another device.



Forget - unpair a device

- Scroll down the list of available devices and select the device you want to unpair.
- Select the forget option to unpair the device.
- The device is no longer shown in the paired devices menu.

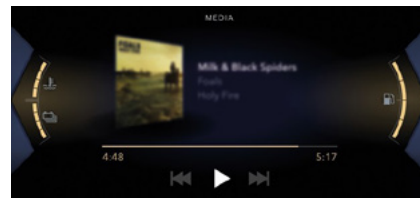


Apple CarPlay selected

Information will be included in the handbook as soon as it becomes available.

Siri assistant

Information will be included in the handbook as soon as it becomes available.



Bluetooth selected

Select the media menu option from the driver display see page 68.

The media that was playing on the device will now be played through the vehicle.

If available, the album artwork, song/album name are shown in the center of the driver display screen.

The odometer and current gear selection are repositioned to the left-side of the driver display.

Press the  button to return to the driver display home screen. The media information will reposition to the left-side of the driver display.

Changing tracks

To select a different track from the current playlist:

- Rotate the scroll button on the left-hand steering wheel keypad (see page 25), forwards/backwards to view the tracks.
- Use the  button to select/play/pause the track.

Changing playlists or apps

Use the controls/screen on your device to select a different playlist or app.

Phone

Using your mobile phone connected to the vehicle allows for hands-free conversation using the vehicles microphone and speakers. The phone can be operated using the vehicle controls when the phone screen is displayed in the driver display.

For hands-free use, the mobile phone must be connected to the vehicle by Bluetooth, see page 72.

Some of the functions listed may not be available on all mobile phone models. The options available depend on the specific phone and network provider. Refer to your mobile phones instructions or contact your network provider for further information.

The information shown is for a mobile phone connected using Bluetooth.

For phones connected using Apple CarPlay, refer to the applicable user manuals for operating information.



WARNING: Do not become distracted by using your mobile phone when driving. You could cause an accident.



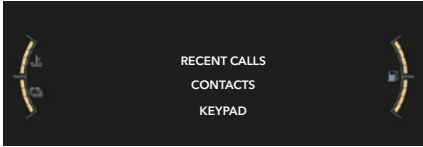
WARNING: Because your concentration will be reduced, even using your mobile phone hands-free when driving can be dangerous. It is strongly recommended that you stop your vehicle before using your mobile phone, handsfree or otherwise.



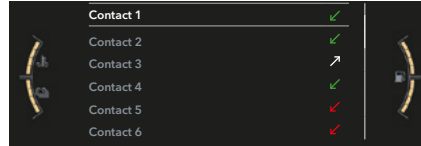
NOTE: Follow all laws regarding the use of mobile phones when driving, some laws may prohibit texting, or require hands-free operation at all times.

Phone menu

From the driver display, select the phone menu (see page 68) to highlight and select from:



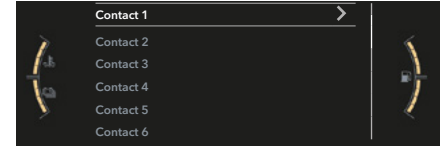
NOTE: Some mobile phones may not fully support the phone options listed.



Recent calls

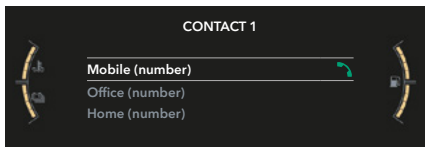
Lists:

-  Incoming calls
-  Outgoing
-  Missed calls



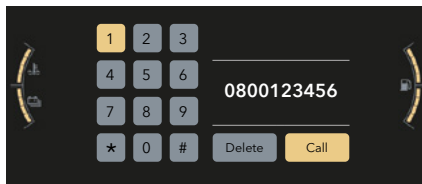
Contacts

List all contacts and their available numbers as stored on your phone.



Starting a phone call From the contact list

- Scroll and select the desired contact.
- Scroll and select the contacts phone number you wish to call.
- Press the  button on the left-hand steering wheel keypad to start the call, see page 25.



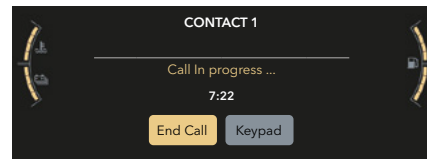
Using the keypad

Use the  control button to operate the keypad.

- Press Delete to delete an incorrect number.
- Press Call to call the phone number.



WARNING: Using the keypad not only requires concentration, but also removing you right-hand from the steering wheel to use the  button. Therefore, never attempt to use the keypad when driving.

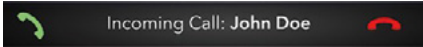


Ending a phone call

Use the  button to highlight the End Call key and then press to select.



If the screen is minimized, navigate back to the phone menu in the driver display, (see page 68) to return to the call in progress screen.

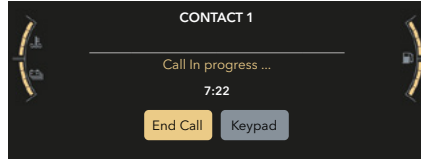


Receiving an incoming call

If any audio media is playing when an incoming call is received, the audio source is muted until the call is ended.

The bottom of the driver display shows the caller's details (if available).

Press the  button on the left-hand steering wheel keypad to accept the call, see page 25.



Minimizing the phone screen

Press the  button until the phone display returns to the driver display home screen.



DRIVER DISPLAY



Exterior lighting Light switch

The light switches are fitted within the left-hand driver switch pack (located on the left-hand side of the steering wheel), and right-hand steering wheel keypad, see pages 25 and 23.

The light switches are illuminated when the ignition is in 'Awake' mode.

Daytime running lights

The front daytime running lights and rear position lamps illuminate when the ignition is in 'Awake' mode, or the vehicle is started.

See page 136 for information on exterior lighting.

Master light switch button

 Repeated presses of this button cycles the exterior lighting functions between:

- Auto
- Position
- Low beam
- Lights off

Auto

 Press to turn on.

With the vehicle started or with the ignition in 'Awake' mode, the rear position and daytime running lights illuminate, the low beam headlights automatically illuminate or extinguish depending on the ambient lighting conditions.

 These symbols are illuminated in the driver's display screen with AUTO lights activated.

Position

 Press to turn on.

The rear position and daytime running lights illuminate, the low beam lights are extinguished.

 This symbol are illuminated in the driver's display screen when position lights are illuminated.

Low beam

 Press to turn on.

Low beam headlights, rear position, license plate and daytime running lights are illuminated.

 This symbol is illuminated in the driver's display screen with the low beam lights illuminated.

Lights off

 Press to turn off.
All lights are extinguished.

 **NOTE:** This setting is only available with the vehicle is stationary. The light function will default to Auto when vehicle speed exceeds 2 mph (3 km/h).

High beam lights

 Press to turn on.

If already illuminated, the low beam lights will extinguish and are replaced with the high beam lights.

 This symbol is illuminated in the driver's display screen when the high beam lights are illuminated.

Press again to turn off, if the low beam lights were previously active, they will reilluminate.

Rear fog lights

 Press to turn on/off.
The low beam switch must also be turned on to activate the rear fog light switch.

 This symbol is illuminated in the driver's display screen when the rear fog lights are illuminated.

The rear fog light switch will default to off when the headlamps are turned off, or if the ignition mode is returned to Awake, also see page 96.



High beam flash

 Press the button on the right-hand steering wheel keypad momentarily to activate the high beams, and then release to extinguish.

 This symbol is illuminated in the driver's display screen when the high beam lights are activated.

Reverse light

When R - Reverse is selected on the left-hand driver switch pack, the reverse light will illuminate and the reverse camera will be activated, also see page 164.



Hazard warning lights

Press the  on the right-side of the driver display. The switch, turn signal lamps and   symbols will flash, press a second time to switch off.

 **WARNING:** If stopped for an emergency, move the vehicle away from the road, switch on the hazard warning lights and mark the vehicle with other warning devices as available to reduce the risk of a collision.

 **NOTE:** Use of the hazard warning lights may be subject to local traffic laws.



Turn signals

Momentarily press the required switch on the steering wheel keypad to activate the left or right turn signals.

The corresponding   symbol will flash on the driver display.

- Pressing the same switch again cancels the turn signals.
- Pressing the opposite switch will cancel the original turn signal and activate the opposite side turn signal.

The turn signals are also cancelled when the steering wheel is returned to the straight-ahead position.



Interior lighting

Light switch

The interior light switch is fitted within the left-hand driver switch pack, located on the left-hand side of the steering wheel.

Press the  button to illuminate or extinguish the interior lights.



The lights are located in the driver footwell area and on both door panels.

Courtesy lighting

The interior lights automatically:

- Illuminate when either door is opened and the vehicle ignition goes into Awake mode, see page 96.
- Extinguish when both doors are closed or the vehicle is started.
- Illuminate when the START/STOP button is pressed to stop the vehicle propulsion system to aid exiting the vehicle.
- Remain illuminated for 2 minutes if a door is left open.



WIPER, WASHERS, WINDOWS, MIRRORS, STEERING WHEEL & HORN



Wiper

To operate, rotate the stalk button positioned on the left-hand side of the steering wheel to the required setting.

Position	Wiper Speed
●	Off
■	Continuous low speed
■	Continuous high speed

! CAUTION: Always use plenty of washer fluid when the wiper is cleaning the windshield. The windshield must be wet when the wiper is operating.

! CAUTION: Before using the wipers check that the blade is not frozen and any snow or ice is scraped off of the windshield.

! CAUTION: Check the condition of the wiper blade regularly. A worn or damaged wiper blade rubber may not clean the windshield properly.



Washer

Press the end of the stalk button for a wash/wipe operation.

Washer Fluid Level

A notification message will be shown in the driver's display if the fluid level becomes low in the washer fluid reservoir, also see page 60.



Window switches

The switches for both windows are fitted in the left-side door panel.

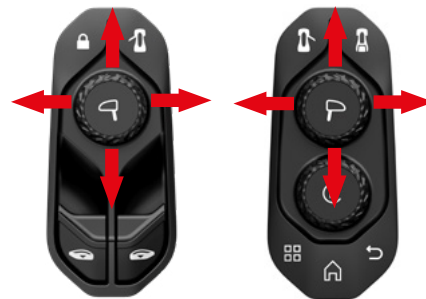
The windows can be operated once both doors are closed and the vehicle is in 'Accessory' or 'Awake' ignition modes.

- To raise, lift and hold the required switch.
- To lower, press down and hold the required switch.

WARNING: Do not leave children unattended in the car with the key fob in the cabin, to prevent injury caused by careless window operation.

WARNING: Before closing a window, always check that no person or object will be trapped; careless window operation could be dangerous, especially to children. Ensure that all passengers are also made aware of this danger.

WARNING: In hot weather conditions, to reduce the potential for suffocation and/or heat exhaustion, do not leave children or animals in a parked car with the windows fully closed.



Door mirror switches

The switches for mirror adjustments are fitted in the left and right-side door panels. To adjust the door mirrors:

- Press the applicable switch to activate adjustment.
- Move the switch as shown above to adjust the mirror glass.
- Press the switch again to deactivate adjustment.



Steering wheel adjustment

To release the steering wheel, push the column lock lever downwards.

Adjust the steering wheel to your ideal height and depth positions.

To lock the steering wheel in position, pull the column lever back.

Try to move the steering in every direction to ensure that you have locked it securely.

The steering wheel and driver seat should also be adjusted to a safe and comfortable position before driving.



WARNING: Ensure that the steering wheel is locked securely before driving. Never adjust the steering wheel while driving.



Horn



To sound, press the button on right-hand steering wheel keypad.

CLIMATE CONTROL





Climate control overview

The climate control system options are selected from the right-hand driver switch pack, see page 23.

Controls

-  Temperature control increase.
-  Temperature control decrease.
-  Blower speed increase.
-  Blower speed decrease.
-  Windshield defrost/demister.
-  Air distribution.
-  Air recirculation on/off.
-  Air conditioning on/off.

To ensure the optimum climate control performance:

- The windows should be closed.
- Clear any snow, ice or blockages from the air inlet in front of the windshield to ensure the best operation of the systems.

Pollen filter

A pollen filter is fitted to clean all air entering the vehicle cabin.

Filter replacement

To ensure good air quality entering the vehicle, the filter should be renewed by your Retailer at intervals specified in 21C maintenance schedule.

If the vehicle is driven in an very dusty/sandy environment, filter replacement may be required more often. Contact your Retailer for further information.



Air ventilation

Fixed position air vents distribute air to the windshield and cabin area to provide ventilation.

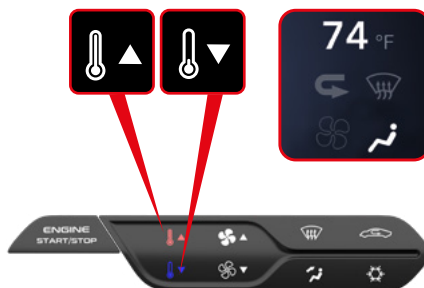


Air conditioning

With the vehicle started and the blower running:

- Press the  button to activate the air conditioning.
- The backlight in the button illuminates blue.
- Press the button again to deactivate.

The air conditioning system may also be activated by pressing the windshield defrost button.



Cabin air temperature

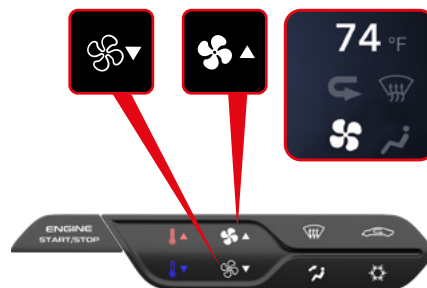
The temperature can be adjusted between 60° to 90°F (16° to 32°C).

With the vehicle started and the blower running:

- Press the  button to increase the temperature.
- Press the  button to decrease the temperature.

The current temperature setting is shown in the driver display.

Button presses will adjust the temperature by 1° Fahrenheit or 0.5° Celsius.



Blower speed

The speed can be adjusted from:



Off



Low



Medium



High



Maximum

The current speed setting is shown by the number of fan blades illuminated in the driver display.

- Press the  button to increase the blower speed.
- Press the  button to decrease the blower speed.



Air distribution

Air flow enters the vehicle cabin by either:

- Windshield
- Cabin
- Windshield & Cabin

The current distribution setting symbol is illuminated in the driver display.

Press the button to cycle between the air flow options available.



Press the button. When activated:

- The backlight in the button illuminates blue.
- The symbol is illuminated in the driver display.
- Air is recirculated within the cabin.

Press the button again for fresh air to enter the cabin.

WARNING: Do not recirculate the air in the vehicle cabin for long periods, as it may cause the interior air to become stale and the windows to mist up.



Defrost

Press the button for maximum windshield defrost/demisting. When activated:

- The backlight in the button illuminates blue.
- The symbol is illuminated in the climate control section within the driver display.
- The blower operates at full speed.
- All airflow is directed to the windshield.
- Maximum heat is selected.

Press the button again to deactivate.



USB PORTS



USB ports

2 USB ports (type A - USB/2 and C - USB/1) are fitted in a mobile device storage tray located under the driver seat.

Both ports are used for charging only, device connectivity to the vehicle is only available via Bluetooth connection, see page 72 for information.



WARNING: Always stop the vehicle safely before attempting to connect/disconnect a device to/from the USB ports.



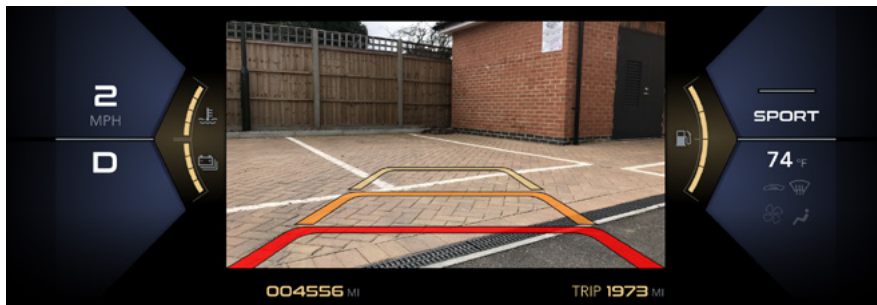
WARNING: Ensure USB leads are contained within the storage tray and are not loose around the cabin floor.



CAUTION: Keep the USB ports clean and dry.

REVERSE PARKING CAMERA





Reverse parking camera

The reverse park camera will automatically activate when reverse gear is selected, showing a view of the area behind the vehicle in the center display.

Trajectory guidelines are overlaid on the camera image, (the lines do not adjust with steering wheel rotation).

⚠ WARNING: These features are only aids to parking and are not a substitute for vigilant all-round observation. The driver is responsible for safe maneuvering and driving safely at all times.

Camera vision

The reverse camera has limited field of view. If a child or object in your rear parking camera view suddenly disappears, then recheck the area behind the vehicle before continuing to reverse as they may have entered the camera's blind spot.

⚠ WARNING: The camera may not detect small or moving objects including children, animals, low or narrow posts, towing hitches and objects towards either side of the vehicle.



Camera location

The camera is located on the rear diffuser, below the rear license plate.

Lighting conditions

The camera image adjusts automatically to the ambient light conditions, but ambient lighting that is either too dark or bright may reduce the quality of the image shown in the display.

Owner maintenance

To ensure full functionality, the camera lens must be kept clean and free from foreign objects including dirt, snow and ice. See page 125 for information on cleaning the camera lens.



STARTING AND DRIVING

Ignition modes

● ↓	Sleep	Vehicle is in powered down state. Doors closed, no keyfob in range of the vehicle, no systems available.
↓	Awake	Open a vehicle door and enter the cabin with a valid keyfob. Interior courtesy lights illuminate and some electrical functions can be used.
↓	Accessory	Driver display welcome screen transitions to Street mode display screen. The electrical systems will perform self-checks and the warning alerts symbols will illuminate briefly in the driver display. Most electrical controls can now be operated.
●	Running	Brake pedal depressed while the START/STOP button is pressed, the vehicle can now be driven.



Changing ignition modes

To change the ignition mode from 'Awake' to 'Accessory', with a valid keyfob in the cabin, press the ENGINE START/STOP button on the right-hand driver switch pack (see page 27), without depressing the brake pedal.

To change the ignition mode from mode 'Accessory' back to 'Awake', press the START/STOP button again without depressing the brake pedal.

Vehicle starting

- Ensure the keyfob is in the cabin area.
- Depress the brake pedal.
- Press and release the START/STOP button.



- The driver display will change from the Czinger splash screen to the Street mode screen.
- Ready is displayed in the driver display screen, indicating that the vehicle is ready to drive.

WARNING: Do not start the vehicle if the outside temperature is less than 14° Fahrenheit (-10° Centigrade).

WARNING: To maintain vehicle control, ensure that the driving seat, steering wheel and door mirrors are adjusted correctly.

WARNING: If necessary, adjust the driving seat to ensure that the brake pedal can be fully depressed.

WARNING: Ensure that you and any passenger in the vehicle fastens their seatbelt before driving.

WARNING: Never remove the keyfob from the vehicle or press the START/STOP button when the vehicle is moving. This could stop the engine and cause an accident.

NOTE: The vehicle is driven by the electric front axle only in Street mode or when reverse gear is selected, but noise of the engine either turning over or running will be heard. see page 98.

Gear selection

In Street mode, either forward D - Drive or R - reverse gears can be selected, see pages 99 and 101.



Stopping

- Press and release the START/STOP button to stop the vehicle propulsion system.*
- The vehicle transmission will select N - neutral and parking brake is automatically applied.

*Pressing the start/stop button will power off the electric front axle and stop the engine.

WARNING: Always take the keyfob out from the vehicle when exiting and ensure the vehicle is in 'Awake' ignition mode (especially if a child is left in the vehicle).

Gasoline engine

The 21C is fitted with a mid-mounted V8, 2.88-liter twin turbocharged high performance gasoline engine, connected to the rear axle transmission system, it is also charges the vehicles high voltage battery, which provides power to the electric front axle.

Transmission systems

Rear axle transmission

The engine provides rear wheel drive via the 7-forward speed, automated manual rear axle transmission.

There is no clutch pedal, gear changes are electrically actuated.

The rear axle transmission is available in Sport or Track modes, see page 106.

When the engine is cold, drive is only available via the electric front axles), noise will be heard from the engine as it warms up, (which may take several minutes).

Once the engine is warm, Sport and Track modes can be selected to drive the rear wheels using the rear axle transmission.

Gear selection modes

The rear axle transmission can be switched between automated and manual selection modes.

Automatic selection mode

Gear shifts and shifting points are optimized based on driver demand.

Manual selection mode

Forward gears can be sequentially manually selected, see page 100.

Electric front axle transmission

Steet mode

When the gasoline engine is cold, for low-speed vehicle maneuvering or driving in reverse, the vehicle is driven by the electric front axle, powered by a high voltage battery.

Once the gasoline engine is warm, forward drive will be provided by the rear axle transmission if the vehicle speed exceeds 60 mph (96 km/h).

Sport or Track modes

The vehicle may also be driven by the electric front axle in conjunction with the rear axle transmission (based on driver demand).

Gear selection

The paddle shifters positioned behind the steering wheel are used for both automatic and manual selection modes.

Up-shifting

Controlled by pulling the "+" right hand paddle.



Down-shifting

Controlled by pulling the "-" left hand paddle.



Forward D - Drive

With the vehicle stationary:

- Depress the brake pedal.
- Pull the "+" up-shift paddle towards you and then release.



- 'D' is illuminated in the driver display.
- Release the brake pedal and depress the accelerator pedal.
- The electronic parking brake will release.

⚠ WARNING: Any floor coverings in the footwell must be properly secured. Loose mats can interfere with the operation of the foot pedals causing possible loss of vehicle control.

Street mode selected

The vehicle will begin moving forward driven by the electric front axle. Also see 'Electric front axle transmission' on page 98.

📘 NOTE: Only D - Drive, N - Neutral and R- reverse can be selected when the vehicle is in Street mode, see page 101 and 107.

Automatic selection mode selected

The vehicle will move forward, driven by the rear axle 7-speed transmission, with gear shifting points optimized based on driver demand.

📘 NOTE: Only available with Sport or Track modes selected, see page 107.

📘 NOTE: Initial vehicle travel when moving forward may only be powered from the electric front axle, and rear transmission gear changes may not be initially available. see pages 98 and 99.

Kick-down

If the engine management system determines that more power is needed, the transmission will kick-down (downshift) into the lowest suitable gear.

Kick-down may occur without the accelerator pedal being fully depressed.

Kick-down operation will vary according to road speed, current gear selected and accelerator movement.

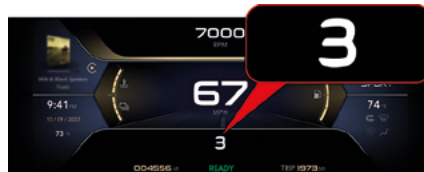
 **NOTE:** Kick-down is only available in automatic selection mode.

Manual selection mode

 **NOTE:** Only available with Sport or Track modes selected, see page 107.

With the vehicle already in automatic selection mode and moving forwards in D - Drive:

- Pull the required paddle towards you to sequentially up-shift or down-shift gear, see page 98.



- The gear selected is illuminated in the driver display.
- If the engine speed remains within the permitted rpm range then the transmission will change gear with each pull of a paddle.

In Sport mode, before the maximum engine speed (rpm), is reached, the transmission will automatically upshift. In Track mode, upshifts are driver controlled.

If not already selected by the driver, lower gears will be automatically selected by the transmission as the vehicle road speed decreases to protect the transmission system and prevent the engine from stalling.

 **NOTE:** Initial vehicle travel when moving forward may only be powered from the electric front axle, rear transmission gear changes may not be initially available. see pages 98 and 99

 **NOTE:** Kick-down is not available in manual mode selection.

Unsuitable gear selection

If an 'unsuitable' gear shift is attempted which could cause the engine to reach its maximum rpm, then the current gear selected will remain unchanged and still be shown in the driver display screen.

Returning to automatic mode selection

- Pull "+" up-shift paddle for 2 seconds.

Or;

- Pull both the "+" up-shift and "-" down-shift paddles for 2 seconds to select neutral.

N - Neutral

No gear is engaged with neutral selected. Only select N when the parking brake is applied and the vehicle is stationary. With the engine running:

- Depress the brake pedal.
- Pull both the "+" up-shift and "-" down-shift paddles towards you for 2 seconds and then release to select neutral, see page 98.



- 'N' is illuminated in the driver display.



WARNING: Always depress the footbrake firmly while selecting N, as the vehicle may move even if the throttle is not depressed.



R - Reverse

With the vehicle stationary:

- Depress the brake pedal.
- Press the R- Reverse button locating in the left-hand driver switch pack, see page 27.



- 'R' is illuminated in the driver display.
- The park assist camera will also automatically activate showing the view from the rear of the vehicle in the driver display, see page 164.

 **WARNING:** Always depress the footbrake firmly when selecting R, as the vehicle may move even if the throttle is not depressed.

 **NOTE:** Vehicle travel in reverse is only powered from the electric front axle, see page 98.

Braking system Footbrake

Carbon ceramic disc brakes are fitted to all four wheels. These are operated by two separate hydraulic brake circuits which operate independently. If one brake circuit fails, the other will still operate but with reduced brake performance resulting in increased vehicle stopping distance.



A brake system fault has been detected, or the level of the brake fluid is low if this warning symbol is shown in the driver's display at any other time than briefly during engine start up. A basic fault description message is also displayed.

Contact your Czinger Retailer immediately if you think there has been a reduction in the braking performance of your 21C, or if a warning symbol and message is shown in the driver's display.



WARNING: Failure to follow the above instruction may result in an accident.

Brake booster

During normal braking, pressure to the hydraulic brake circuits is provided by an electronic booster pump. A clicking sound may be heard from the booster when the brake pedal is applied, or during vehicle start-up and shutdown, this should be considered normal.

The booster pump is active with the vehicle ignition in 'Accessory'/'Awake' modes as well as the vehicle running.

If the brake pedal is depressed when the vehicle is in sleep mode, the brake pedal will feel stiffer and greater pressure must be applied to push the brake pedal.



If a booster pump fault has been detected, this warning symbol is shown in the driver's display. A fault description message is also displayed.

Brake pedal

Always check the movement of the brake pedal before driving and make sure that it is not obstructed by a floor mat or any other object.

 **WARNING:** Any obstruction of the brake pedal could increase the stopping distance.

Brake pads

The hard grade of the pad material used may cause a certain amount of brake noise under some conditions; such noise is not harmful and does not affect the life or efficiency of the brakes. After frequent hard use of the brakes, it is beneficial to the durability of the discs and pads if the brakes are allowed to cool down before the vehicle is parked.

The brake pads and discs fitted on your new 21C have already been 'bedded in' prior to vehicle handover, but it is still recommended to avoid any unnecessary heavy braking for the first few miles before using the brakes to their full potential.

Anti-lock braking system

The Anti-lock Braking System (ABS) reduces the risk of any of the wheels to lock up during braking, ensuring the vehicle can still be steered.

ABS is especially beneficial when braking on slippery road surfaces and in bad driving conditions, but it is important to realize that the ABS cannot increase the friction level at the road surface, it can only make optimum use of the grip available.

The road wheels may appear to lock momentarily which is normal.

 **NOTE:** ABS does not function at speeds below 5 mph (8 km/h).

 **WARNING:** ABS should not encourage you to take more risks with your safety. ABS will not prevent a skid caused by abrupt steering movements or cornering too quickly. ABS does not avoid the risk of an accident due to excessive speed. The driver is always responsible for the judgement of safe speed.

 **WARNING:** Always maintain a safe distance from other vehicles relative to the road surface and weather conditions.

On surfaces, such as gravel, snow or surfaces with water/rain, a vehicle with ABS may need a longer stopping distance. Allow a greater following distance in these conditions.

 The amber warning symbol in the driver's display should illuminate for about 3 seconds following ignition switch on and then extinguish. If the symbol remains illuminated, or comes on while driving, an ABS fault has been detected and it is not operating.

The braking system will continue to operate normally, but without ABS operating, braking distances may increase. The vehicle may continue to be driven with appropriate care and anticipation but contact your Czingar Retailer at the earliest opportunity.

The ABS braking system is calibrated for the tire and wheel size(s) recommended for the vehicle. If incorrect wheels or tires are fitted, the ABS braking module may receive incorrect information from its sensors resulting in reduced ABS performance.

Hydraulic brake assist

Hydraulic brake assist (HBA), detects an emergency situation by measuring the braking reaction and brake pressure build-up. In case of insufficient brake pressure, the HBA system increases braking force (up to the force until the ABS system is engaged), to ensure the shortest stopping distance possible.

Traction control system

The traction control system detects any excessive wheelspin from the driving wheels. The system will reduce the engine power output and apply braking to the spinning wheel until grip is restored.



This indicator symbol flashing in the driver display indicates when a driving wheel is spinning excessively, and that traction control intervention is taking place and the driving style should be modified accordingly.

Electronic stability control

Electronic Stability Control (ESC) operates with the traction control system to enhance vehicle stability in extreme driving maneuvers such as accident avoidance attempts or misjudged cornering demands, reducing the power output and applying braking to individual wheels as required.



If this symbol is flashing in the drivers display when driving, then ESC intervention is taking place, indicating that the vehicles tractive limit has been reached and that driving style should be modified.



WARNING: ESC is a supplementary driver support function intended to aid the driver, but it cannot be guaranteed to operate fully in every traffic, weather and road condition.



WARNING: Even with these safety systems fitted, do not take any risks and stay alert when driving. The driver is responsible at all times for maintaining appropriate road speed conditions, making any necessary allowances for increased stopping distances.



The symbol illuminates continuously accompanied by a message in the driver's display if a fault has been detected with the ESC system.



If ESC is manually turned off then this symbol is illuminated in the drivers display, see page 110 for further information.



WARNING: It is recommended that ESC is always active when driving on public roads.



Electric parking brake

The electric parking brake applies the rear brakes to hold and keep the vehicle stationary.

The parking brake switch is located in the left-side driver switch pack, see page 23.

The parking brake can be manually activated/deactivated with either the vehicle running or with the vehicle in Awake mode, see page 96.



NOTE: A motor noise may be heard when the parking brake is applied or released, and may also be heard during the automatic function checking of the parking brake.

Applying the parking brake

- Depress the footbrake pedal and ensure the transmission is put into neutral.
- Press the parking brake switch and then release.
- The parking brake switch backlight is illuminated blue.
- Release the footbrake pedal and ensure that the vehicle is stationary.

 This symbol is illuminated in the driver's display when the parking brake is activated.

A fault has occurred if the symbol flashes, read the message in the driver's display.

Braking is only applied to the rear wheels if the parking brake is activated when the vehicle is stationary. Braking force is applied to all four wheels using the hydraulic foot brake circuit if the parking brake is activated when the vehicle is moving but transfers to the rear wheels once almost stationary.

Emergency braking

In an emergency, the parking brake can be activated when the vehicle is moving by pressing and holding the parking brake switch. Braking is deactivated when the switch is released, or the accelerator pedal depressed.

 **CAUTION:** Do not use the electric parking brake for normal braking. Using the electric parking brake repeatedly to slow down the vehicle may cause serious damage to the braking system.

Parking brake automatic activation

The parking brake is activated automatically when the start/stop button is pressed to stop the vehicle propulsion system.

Releasing the parking brake

- Depress the footbrake pedal and ensure the transmission is put into neutral.
- Press the parking brake switch and then release.
- The parking brake switch blue backlight is extinguished.
- Release the footbrake pedal and ensure that the vehicle is stationary.
- The parking brake will release and the symbol in the driver display extinguishes.

Parking brake automatic releasing

- With the engine running, depress the footbrake pedal.
- Select gear D - Drive or R - Reverse.
- Release the footbrake pedal and depress the accelerator pedal.



NOTE: To automatically release the parking brake, both doors must be closed, and the driver seat belt fastened.

Hill start assist

When stopped on an incline, hill start assist will hold the brakes on for a further two seconds after releasing the footbrake. The brakes will automatically release after two seconds or as soon as the vehicle begins to accelerate forward.

Drive modes

Three different vehicle drive modes are available.



Changing drive modes

Drive mode buttons are located on the left-hand driver switch pack, see page 23.

Default drive mode setting

The drive mode can be set with the vehicle in 'Accessory' mode, or with the engine running, but will automatically default to Street mode when the vehicle is switched off.



NOTE: All safety systems, including ABS (Anti-Lock Braking) and HBA (Hydraulic Brake Assist) are retained in any mode selected, see pages 103 and 104 for further details.



NOTE: The position of information and layout displayed on the driver display will change dependent on the mode selected, see page 55.

Street mode

(Default setting, normal road use)

- The vehicle is initially driven by the electric front axle, also see 'Electric front axle transmission' on page 98.
- If the engine is warmed up, it will be running at a set speed primarily to provide energy to the high voltage hybrid battery.
- Performance delivery is optimized for ease of using during city driving conditions.
- Suspension: Higher vehicle ride height, and suspension dampers set to default soft setting.
- 'Street' layout driver's display screen shown, see page 54.

Sport mode

(Only for suitable road conditions)

- Initial vehicle travel using the electric front axle.
- Power is distributed between both the electric front axle and rear axle transmission depending on driver demand.
- Vehicle performance is controllable for road driving.
- Suspension: Higher vehicle ride height, and suspension dampers set to default soft setting.
- 'Sport' layout driver's display screen shown, see page 55.



NOTE: Sport mode cannot be selected until the engine reaches normal operating temperature.

Track mode

(Only for suitable track conditions)

- Initial vehicle travel using the electric front axle.
- Power is distributed between both the electric front axle and rear axle transmission depending on driver demand.
- Performance delivery is optimized for race track driving.
- Suspension: Higher vehicle ride height, and suspension dampers set to default soft setting.
- 'Track' layout driver's display screen shown, see page 55.



WARNING: Track mode should only be selected when driving on a suitable track under supervised conditions. Do not drive on the highway with Track mode selected.



NOTE: Track mode cannot be selected until the engine reaches normal operating temperature.

Track + mode

(Only for suitable track conditions)

- Initial vehicle travel using the electric front axle.
- Power is distributed between both the electric front axle and rear axle transmission depending on driver demand.
- Performance delivery is optimized for race track driving.
- Suspension: Lower vehicle ride height, and suspension dampers set to stiffer setting.
- 'Track' layout driver's display screen shown, see page 55.



WARNING: Track+ mode should only be selected when driving on a suitable track under supervised conditions. Do not drive on the highway with Track mode selected.



NOTE: Track+ mode cannot be selected until the engine reaches normal operating temperature.



Sport mode

With the vehicle either stationary or moving and the engine running at operating temperature:

- With the vehicle in Street mode, momentarily press the mode button to select Sport mode.
- Press the mode button again to return to Street mode.



Track mode

With the vehicle already in Sport mode:

- Press and hold the  button for 2.5 seconds to select Track mode.

Exiting Track mode

- Press the mode button to return to Street/Sport mode.
- Press the  button to return to Sport mode.



Track+ mode

With the vehicle stationary and already in Track mode:

- Press and hold the  button for 5 seconds to select Track+ mode.
- A message notifying that Track+ has been selected and is for closed track use only is displayed.
- Momentarily press the  button to confirm Track+ mode selection.
- A message notifying not to drive until the vehicle ride height has fully lowered is displayed.
- A message and  symbol is shown in the driver display once the vehicle ride height has fully lowered.

Exiting Track+ mode

The vehicle must be stationary to exit Track+.

- Press the mode button to return to Street/Sport mode.
- Press the  button to return to Track mode.



ESC 'Off'

This can be selected in any drive mode.

- Press and hold the ESC 'Off' button for 2.5 seconds.
-  The ESC (Electronic Stability Control) status indicator symbol is illuminated in the driver display.
- The ESC (Electronic Stability Control) status indicator symbol is illuminated in the driver display.
- ESC functions are deactivated, see page 105.
- A short press of the ESC button will restore ESC functionality.

 **WARNING:** If ESC 'Off' is selected when driving, there will be an immediate reduction in the ESC functionality with a potential risk of vehicle instability. Only select this option if it is safe to do so.

 **WARNING:** It is recommended that ESC is always active when driving on public roads in normal conditions.

 **NOTE:** In extreme road conditions (such as starting a vehicle which is stuck in snow, soft ground or if rocking the vehicle free), ESC can be temporarily turned off so that the road wheels can rotate freely to regain grip.

NOSE LIFT



Nose lift

The front of the 21C can be raised from the normal Street/Sport ride height to a fully raised position to increase ground clearance. The rear will also raise slightly.

Nose lift can only be activated when:

- Vehicle is stationary or road speed is below 30 mph (48 km/h).
- Both doors are closed.
- Nose lift can be selected in any drive mode, (Street - Track+).

NOTE: Only 2 settings are available, normal or fully raised.

Activating nose lift

Rotate the  stalk button located on the right-hand side of the steering wheel, clockwise, then press in, see page 23. The vehicle will rise from normal ride height to fully raised within 6 seconds.



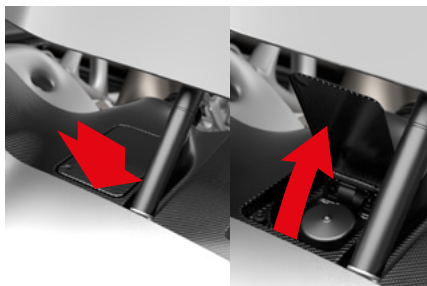
Rotate the  stalk button counter-clockwise, then press in, to return to normal ride height.

When driving in the raised position, the vehicle will automatically return to its normal ride height if road speed exceeds 30 mph (48 km/h). If there are any related system faults, the vehicle will not raise, if already raised, will return to the normal ride height position.

System status/warning messages

Symbols and accompanying messages are shown in the driver display to show the status of the nose lift system. See page 57 for further information.





Fuel filler flap

The fuel filler flap is located within the left-hand bodyside under the decklid, see page 51.

Opening

Open by pushing and then releasing the rear of the flap.

Closing

Gently press the flap down and then release to close.

Fuel cap

To remove, pull the cap off the filler neck and put it in a safe place when fuel filling.

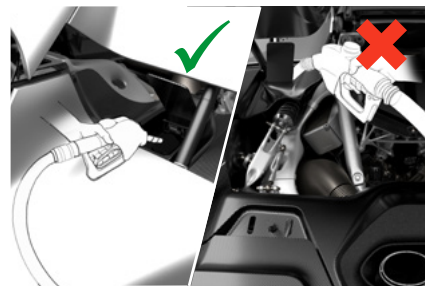


WARNING: Do not put the filler cap in the engine bay when fuel filling.

To refit, push the cap onto the filler neck and then push the fuel filler flap closed.



The fuel filler tube is fitted with spring-loaded flaps and seals to prevent fuel and vapors from escaping.



Using a filling station

With the engine switched off and the decklid open:

- Route the fuel pump nozzle between the rear of the left-hand bodyside and the open decklid.
- Insert the pump nozzle fully into the fuel filler tube so that both spring-loaded flaps are open.
- Ensure a suitable grade of fuel is selected, (see page 160), and fill to the required quantity or until the auto-shut off mechanism is triggered.

For further information on the fuel level display and fuel tank capacity refer to pages 60 and 160.

 **WARNING: NEVER** route the fuel pump hose over hot components.

 **WARNING:** Always remain with the vehicle when fuel filling. **NEVER** leave the vehicle unattended when fuel filling.

 **WARNING:** Switch off the engine before refueling.

 **WARNING:** Follow all operating and safety instructions displayed at the filling station when refueling.

 **WARNING:** Fuel and fuel fumes are highly explosive. You can be burned or seriously injured when handling fuel.

 **WARNING:** Before refuelling, switch off mobile phones and other electronic equipment, ensure that all cigarettes are extinguished and that no naked flames or other potential ignition sources are present.

 **CAUTION:** Do not attempt to fill the tank to the top of the filler neck, as expansion of the fuel due to temperature change may cause flooding of the fuel tank breather system charcoal canister, or spillage of fuel.

Using a fuel can

The corrugated flexible fuel tube fitted on most fuel cans can cause damage to the spring-loaded flaps and seals within the fuel filler tube.

It is recommended that a capless fuel filler funnel is inserted into the fuel filler tube, (which is designed to push open both spring-loaded flaps), prior to topping up the fuel tank.

Suitable capless fuel filler funnels can be purchased from most automotive parts stores.

Fuel requirement

USE UNLEADED PREMIUM GASOLINE meeting ASTM specifications. Use of fuels not meeting ASTM specifications could cause poor performance and increase emissions.

For optimum vehicle performance and fuel economy, using super or premium unleaded gasoline, with a minimum octane rating of 91 (RON+MON)/2 is recommended. Where super or premium fuel is not available vehicle performance may be reduced.

The use of good quality gasolines containing proper detergent additives is advised for good performance and emission control. The vehicle is fitted with catalytic converters in the exhaust system to reduce the noxious content of the exhaust gases and comply with emission control regulations.

Using gasoline with a lower octane rating may cause knocking (pinking), which, if severe, can cause serious engine damage. Light knocking may occasionally be heard for short periods when accelerating or driving up hills, and this should cause no

concern, although using a lower gear would be advised. If, however, you hear persistent heavy knocking when using the specified gasoline, consult your Czinger Retailer as soon as possible.



CAUTION: It is essential that ONLY UNLEADED FUEL is used. The effectiveness of the catalytic converters decreases after as little as one full tank of leaded fuel or LRP is used.



NOTE: Always ensure that the correct filling station fuel nozzle has been selected before refueling. Costs incurred for fuel system draining and cleaning will not be covered by the vehicle warranty.

Additives

Gasolines containing alcohol - Some gasolines sold contain alcohol although they may not be so identified. Use of gasolines with alcohol are not recommended, unless the blend can be determined as being satisfactory.

Gasohol - A mixture of 10% ethanol (grain alcohol) and 90% unleaded gasoline may be used. If drivability problems are experienced as a result of using gasohol, it is recommended that the car is operated on gasoline.

Gasolines containing MMT - Some gasolines contain methylcyclopentadienyl manganese tricarbonyl (MMT), which is an octane increasing additive. Such gasolines may damage the emission control system and are NOT recommended.

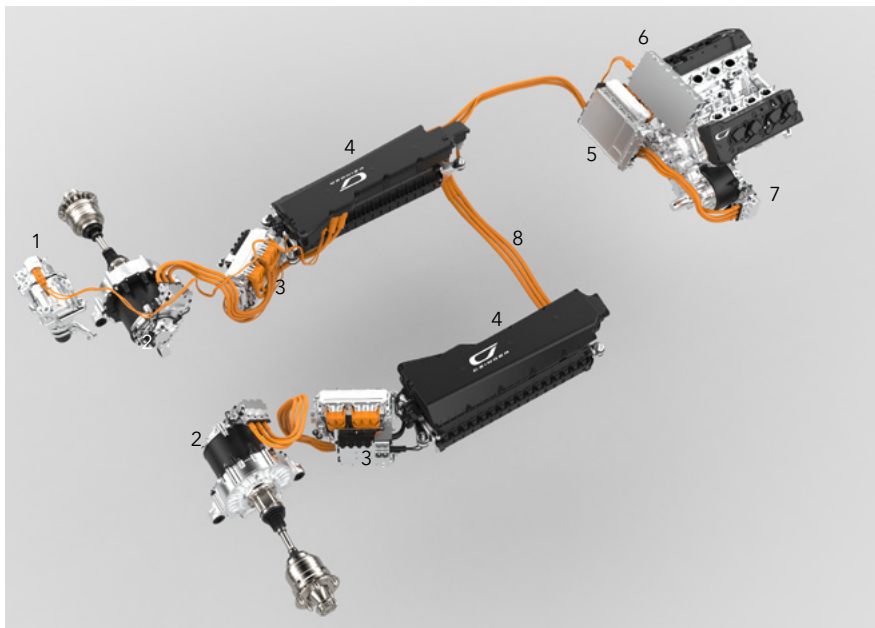
Ethanol E5 & E10 - A mixture of 5% or 10% ethanol (grain alcohol) and unleaded gasoline may be used but the lower octane rating (typically 88 - 89 {RON+MON}/2) will result in slightly reduced performance.

If drivability problems are experienced as a result of using ethanol, use 91 (RON+MON)/2 unleaded gasoline. Do not use Ethanol blends with a higher concentration than 10%.

Methanol - Do not use gasolines containing methanol (wood alcohol) as this can result in performance deterioration and damage to critical parts in the fuel system.

HIGH VOLTAGE SYSTEMS





The image above shows the locations of the high voltage components fitted to the 21C.

The information shown in this section is intended for reference only, to provide further insight when high voltage components are referred to in this handbook.

High voltage components

- 1 Air conditioning compressor
- 2 Front axle drive motors
- 3 front motor inverters
- 4 800v batteries
- 5 Rear motor inverter
- 6 DC/DC converter
- 7 MGU (motor gear unit)
- 8 High voltage cables

⚠ WARNING: The high voltage system has no serviceable parts. Never disassemble, remove, or replace high voltage components, cables, or connectors.

⚠ WARNING: High voltage cables and connectors are colored orange for identification.

⚠ WARNING: Never attempt to access, repair, or modify any high voltage components, only your Czinger retailer is qualified to do so.



CARE AND MAINTENANCE

Accessories and modifications

Fitting unapproved Czingers accessories or performing your own modifications to your 21C could make the vehicle unsafe. Discuss with Czinger before fitting any accessories or attempting vehicle modifications.



WARNING: Installing non-approved Czinger accessories, or performing non-approved modifications, can affect occupant safety.

Short term parking High voltage battery

If parking for a short time periods (for more than 4 hours) it is recommended not to shut the vehicle down if the state of charge of the high voltage battery is below 25%. If the battery state of charge is below 25%, then select Sport mode and let the engine idle until the state of charge is above 25%. The state of charge is indicated by 2 bars being shown on the high voltage battery state of charge gauge in the driver display, (see page 61).

Extended parking short term non-use

12V battery

The battery trickle charger provided should be connected to the vehicle if it is not used for more than 3 days without being started, see page 137.

If the vehicle cannot be started, or the battery charger cannot be connected, then contact your Czinger retailer for further guidance.

Long term vehicle storage High voltage battery

Before shutting the vehicle down for long term storage, select sport mode and let the engine idle until the battery state of charge is above 50%. The state of charge is indicated by 2 bars being shown on the high voltage battery state of charge gauge in the driver display, (see page 61). Put the ignition in accessory mode every 30 days during storage and check that the battery state of charge is above 50%.

Start the vehicle if the battery state of charge is below 50%, allow the engine to idle until has risen to above 50%.



CAUTION: There is a risk of high voltage battery damage if it is not charged up by the engine for periods longer than 30 days.

12V Battery



NOTE: There is no manual emergency door lock fitted to the 21C, for long term storage, it is recommended to store the vehicle in a secure area with the doors unlocked and a window lowered in the event that the 12V battery becomes discharged.

Also refer to battery charging for short term vehicle non-use.

Fluids

Ensure the engine oil and filter, coolant and brake fluid have all recently been renewed.

Bodywork

Thoroughly clean the inside and outside of the vehicle and allow to dry thoroughly. If necessary, use a pressure washer to remove dirt and salt deposits from the underside, see page 124 for further pressure washer information.

Tires

Increase the tire pressures to between 3 -3.5 bar and put a reminder note on the windshield. If possible, move the vehicle slightly every month to help avoid flat spots on the tires.

Interior trim

Unless the garage is equipped with a de-humidifier, the use of drying agents (Silica-Gel) is recommended in vehicles with leather upholstery and in conditions of high humidity.

Air conditioning

Prior to storage, the air conditioning system should be in good working order and fully charged.

Car covers

Wash and clean the vehicle and ensure it has fully dried before fitting a suitable car cover.

Cleaning your 21C

Cleaning the exterior

Czinger recommend that you frequently inspect the bodywork paint finish for:

- Dust, soot, ash and acidic or alkaline aerosol.
- Tree sap and insect fluids.
- Bird droppings.
- Leaves which contain chemicals which can stain light finishes.
- Blowing sand and dust which can cause abrasion damage.

Cleaning off these types of contaminants is the best prevention against paint deterioration.

 **NOTE:** To prevent damage to the paint, immediately remove contaminants as soon as you see them. Do not wait until the vehicle is due for a scheduled wash.

Vehicle washing

It is recommended that your 21C is only hand washed.

- Rinse the entire vehicle (except for the windshield and roof, see page 124), until all dirt has been removed, this will reduce the risk of scratching the paintwork while washing. Ensure not to spray water directly into any air intakes or ventilation grilles.
- Wash thoroughly using lukewarm water and a good quality car shampoo, never use household or washing up detergents.
- Wash your vehicle in the shade using a cotton chenille wash mitt or a sponge rinsed frequently to disperse dirt particles.
- To avoid swirled micro scratches, wash with a straight back and forth motion, then rinse the body thoroughly.
- After washing, dry the paintwork using a suitable microfiber towel or chamois leather.

 **CAUTION:** Never use automatic car washers or power washers to clean the bodywork as this can damage the polycarbonate windshield, roof and paint finish. Czinger cannot be held responsible for any damages caused to the vehicle by these washing methods.

 **CAUTION:** Never use a power washer to clean the engine bay area or direct the jet nozzle or hoses directly into any air vents as this can result in damage to sensitive engine components and potential engine failure.

 **NOTE:** The car shampoo must be non-abrasive, without strong solvents, and have a pH value between 3 and 11 (neither strongly acidic nor strongly alkaline).

Cleaning under the vehicle

To minimize degradation from road salt, the underside of the chassis should be rinsed with clean water regularly using a suitable power washer.

Do not use a power washer on the bodywork, windshield, roof, headlights or around protective gaiters used on suspension, brake or powertrain components.

Glass cleaning**Door windows**

Use a good quality glass cleaning product on the door windows.

Windshield cleaning

The windshield is made from polycarbonate, ensure to following the information below when cleaning or handling the windshield.

- Do not wear personal effects (bracelets, watches, rings, etc.) when cleaning the windshield.
- Avoid any contact with organic materials that contain plasticizers and the following solvents: lubricants, protection spray, PVC, or adhesives of any type, organic solvents such as ketones, aromatic or chlorinated hydrocarbons. These products cause varying degrees of deterioration of the polycarbonate.
- Do not fit suction cups or supports for accessories to the windshield.
- Never rub the windshield with dirty or dry rags. Do not remove dirt with sharp instruments and do not remove any icing with a scraper or chemical sprays. Any stubborn stains can be removed by lightly rubbing with a soft, clean cloth soaked in isopropyl alcohol, followed by a thorough clean with water and a neutral detergent.
- It is recommended to remove any

impurities such as dust, sand, etc. deposited on the windshield, using compressed air.

- Do not attempt to remove any scratches with detergents or abrasive cleaners, as the result could be far worse.
- Only wash the windshield manually, do not use automatic brushes or a pressure washer.
- The only product recommended for washing the windshield is Isopropyl Alcohol (pure or diluted 50% in weight with water). Do not use denatured Ethyl Alcohol.

Roof cleaning

The roof of the 21C is also made from polycarbonate, ensure to follow the information when cleaning as shown for the windshield.

Road wheels

Regular cleaning is highly recommended to keep the finish of your wheels in good condition, especially in adverse weather conditions where salt or chemicals are used on the roads.

To wash, use the same car shampoo as used to wash the bodywork. Wash with a soft, non-abrasive cloth rag or sponge to clean the wheels of dirt and debris.

Apply a soft paste, spray on wax or ceramic coating to the wheels to ease maintenance and improve appearance; this is not advised for unprotected polished surfaces.

 **NOTE:** For the best cleaning results, it is recommended to clean the wheels in shady conditions, not in direct sunlight.

 **CAUTION:** Never use any chemical-based cleaners or harsh cleaning solutions. The chemicals in these products can damage the surface finish of the wheel rims.

 **NOTE:** Spray-on, hose off type wheel cleaners can damage the finish of the wheels, and use of such cleaners will void the wheel warranty.

 **CAUTION:** Do not attempt to loosen or remove the centre caps or wheel nuts when cleaning the wheels.

 **CAUTION:** Only clean the wheels or use a hose on them when they are cool or cold to the touch, do not clean immediately after driving the vehicle.

Lights

Headlamps and all other light lenses can be washed with lukewarm water and car shampoo or with a suitable automotive plastic cleaner. Use a clean non scratching sponge, never use household or washing up detergents.

 **NOTE:** After washing, the headlamps and rear lamps may temporarily have condensation on the inside of the lens. This is normal and will slowly dissipate once the lamps have been switched on.

Reverse parking camera lens

As recommended for the vehicle body, only handwash the camera. See page 21 for camera lens location.

 **CAUTION:** Automatic car washers and jet washers may damage the camera lens.

**Paintwork polishing
Standard body panels**

Apply a good quality polish after normal washing and drying. Follow any instructions included with the polish. Do not apply wax or polish on plastic and rubber trims.

If it is necessary to use a degreasant on plastic and rubber, only rub with light pressure using a soft sponge.

Polishing trim moldings could damage the surface layer. Polishes containing abrasives must not be used.

See page 126 for paintwork polishing information for satin finished exposed carbon panels.

Satin finished exposed carbon panels

Your 21C may have a satin finish applied to some of the exposed carbon panels, such as the wing, splitter, dive planes, and side skirts. Wax or abrasive polishes should not be used on these paint finishes as these will mark and contaminate the panels, making the finish non-uniform, and may prove very difficult to remove.

When polishing your 21C, avoid contact with any wax or other polishing materials on any satin finished carbon exposed panels.

Only products meant for cleaning/ polishing satin finish surfaces should be used on these body panels.

Engine bay area

There are many exposed 3d printed surfaces visible within the engine bay area. The 3d material is porous and quite difficult to clean if contaminated with oil.

These surfaces should only be cleaned with car shampoo and a soft cloth when they are cool.



WARNING: Avoid contact to any exposed metal surfaces with oil or grease, and only attempt to clean any area within the engine bay when the engine is turned off and has had time to cool down. Use appropriate personal protection equipment.

Interior cleaning**Cloth trims**

Normal cleaning consists of occasionally wiping lightly with a cloth dampened in a mild soap and water solution; it is important that the cloth is only dampened, not soaked. Alternatively, a good quality upholstery cleaner may be used.

Leather/vinyl trims

This should be wiped over occasionally with sensitive baby wipes.

Repeat the operation using a fresh cloth and water only but avoid soaking the leather. Finish by drying and polishing with a soft dry cloth. For light colored leather regular cleaning is recommended.

As a natural material, leather ages, and may show signs of cracking, scuffing, shrinking, etc. over a long time period. This is the natural aging of the leather and should not be considered as a defect.

Alcantara® Trim

Your 21C may have Alcantara® material fitted to the seats and other interior trims.

General cleaning

It is recommended that it is regularly cleaned to remove any loose debris, dust etc., but only by using a soft brush, a dry cloth or a vacuum cleaner. After debris/dust removal, a slightly moistened white cotton cloth should then be wiped over the material. Do not use any cloths or paper containing print as this may release their ink into the material.

Stain removal

Alcantara® have compiled the recommended cleaning products and best methods of stain removal for their materials. This information is available to view on their website:

alcantara.com

Seat belt cleaning

Sponge with warm water and allow to air dry before use. Do not use chemical cleaners and never attempt to bleach or dye the webbing.

Sill trims

Sill trim covers can experience greater wear and tear than other trims, which is caused by entering and exiting the vehicle cabin. These may require periodic replacement dependent on the level of use and owner preference.

Czinger Retailer Servicing

Servicing Intervals. For normal use, service intervals are 6,000 miles or 12 months after the previous service, whichever first occurs. Every service must be completed within one month or 1,000 miles of the specified service interval.

Track usage places additional stress on vehicle systems leading to additional wear and tear. It is recommended to change critical fluids such as engine oil and perform an inspection at your Czinger Retailer after track usage.

For special operating conditions such as driving in extremely hot or dusty conditions, then additional servicing/maintenance may be required, contact your Retailer for further information.

For details of specific items replaced, fluids changed and operations carried out during servicing, please contact an authorized Retailer.

Owner maintenance

Performing the maintenance checks shown in this section, as well as having your 21C regularly serviced by your Czinger Retailer will ensure its maximum safety, reliability and longevity.

It is important to follow the maintenance schedule for your 21C at the specified time and distance intervals.

Contact your Czinger Retailer immediately if you notice a significant or sudden drop in fluid levels or uneven tire wear.



WARNING: Failure to take corrective action may damage the vehicle and lead to accidents, potentially resulting in serious injury or death.

Track use

This type of usage requires appropriate driver training and vehicle preparation by a qualified specialist above that specified in the maintenance schedule. This will also include careful inspection of all safety critical components both before and after track use.



NOTE: Using your 21C on track or in a competitive manner will cause a greater degree of wear and tear to components than normal road use.

General Safety

Read and follow the precautions listed below for your protection before performing any maintenance checks:

 **WARNING:** Vehicle repairs should only be carried out by a suitably qualified technician.

- If the vehicle has been driven recently, do not touch the cooling system components until the vehicle has cooled.
- Beware of hot surfaces in and around the engine bay, You could be seriously burnt by touching a hot engine part.
- The voltages produced with this ignition system can cause serious and potentially fatal injury.



WARNING: Never touch any ignition components when the engine is running or being cranked.

- Never work inside the engine compartment with the vehicle running when an automatic transmission gear has been selected.
- Some fluids (battery acid, coolant, brake fluid, windshield washer additives, etc.), used in vehicles are poisonous and should not be inhaled, swallowed, or brought into contact with open wounds. For your safety, always read and follow instructions printed on fluid containers.
- Failure to follow these precautions can result in serious injury or death.



CAUTION: Failure to follow these precautions can result in damage to the vehicle and or property.

Daily checks

Check the operation of the:

- Exterior lights.
- Horn.
- Turn signals.
- Windshield wiper.
- Windshield washers.
- Seat belts.
- Braking system including parking brake.
- Parking camera.

Also check:

- Warning lamps or alert messages on the instrument panel.
- Fluid deposits underneath the vehicle that may indicate a leak, (water drips from condensation on the air conditioning system are normal).
- The exterior of the vehicle and immediately remove any corrosive substances to prevent damage to the paint (see page 123).

Regular checks

- Windshield washer fluid level.
- Tire pressures and condition.
- Wiper blade.
- Parking camera for dirt, snow or ice.

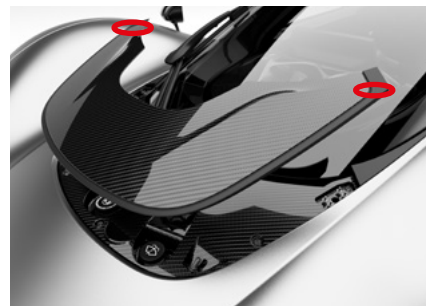


NOTE: Check these items more frequently if the vehicle is subject to high mileage driving or severe operating conditions.

**Front cowl panel**

Removing the front cowl panel provides access to the:

- Windshield washer reservoir.
- Brake fluid reservoir
- Power assisted steering fluid reservoir.

**Cowl panel removal**

- Push down and then release on the outermost sections of the cowl panel, (shown in red), near the windshield to release the rear of the panel from its retaining posts.
- From the rear of the cowl panel, tilt it slightly upwards and then pull it towards the windshield to disengage the panel's ball studs from their locating sockets.
- Remove the cowl panel from the vehicle.

! CAUTION: Before removing the front access panel, ensure that you have preselected a clean area to store it which is sheltered from the wind.



Cowl panel refitment

With the rear of the panel tilted slightly upwards:

- Position the panel ball studs onto the locating sockets.
- Push the panel forwards until the ball studs are engaged into the sockets.
- Push down and then release on the outermost sections of the cowl panel, near the windshield to secure the rear of the panel onto its retaining posts.
- Gently pull on the sides of the cowl panel to ensure that it is properly secured.

! WARNING: Never drive the vehicle until you are sure that the cowl panel is refitted correctly and is secure.



Windshield washer reservoir

The reservoir filler cap for the windshield washer reservoir is located in the services compartment and is identified by the  symbol.

Topping Up

- Remove the front cowl panel, see page 130.
- Pry the reservoir filler cap to open.
- Fill the reservoir with clean water and a good quality windshield washer fluid (see 'Technical Data' section), until the fluid level is visible at the top of the filler neck.
- Wipe up any spills immediately and wash the affected area with water.
- Refit the filler cap.



WARNING: Windshield washer fluid can cause skin and eye irritation. Read and follow any instructions or warnings provided by the windshield washer fluid manufacturer.



WARNING: A good quality product should be used and mixed as per the manufacturers recommendations as an insufficient concentration may result in fluid freezing inside the pump, reservoir and hoses.



Steering fluid reservoir

The power assisted steering fluid reservoir filler cap is positioned next to the windshield washer reservoir filler cap, located in the services compartment, see page 130.

Under normal circumstances it should not be necessary to add any fluid.

It is recommended that this operation is only carried out by your Czingier Retailer as part of the recommended service schedule.



Brake fluid master cylinder

The reservoir filler cap for the brake fluid master cylinder reservoir is located in the services compartment and is identified by the  symbol.

Your Czinger Retailer will check the brake fluid level as well as change the brake fluid at the regularly scheduled maintenance intervals.

If the  symbol illuminates red while driving, stop the vehicle immediately as a dangerously low level of brake fluid in the master cylinder reservoir has been detected. The vehicle should not be driven until the fault has been identified and rectified.

 **WARNING:** If the brake fluid level becomes low the  warning symbol, and message will be displayed in the driver's display screen.

Brake fluid level check

- Ensure the vehicle is parked on level ground.
- Remove the front cowl panel, see page 130.
- Clean around the reservoir cap to prevent dirt ingress into the reservoir.
- Unscrew the reservoir cap counter-clockwise. check that the fluid level is in between the 'MAX' and 'MIN' marks on the reservoir body.

 **NOTE:** The brake fluid level will drop gradually from the 'MAX' mark as the brake pads wear, but if the level drops below the 'MIN' mark, then contact your Czinger Retailer to investigate without delay.

 **WARNING:** If you notice increased movement of the brake pedal or a significant loss of brake fluid, then contact your Czinger Retailer immediately. Driving under these conditions could result in increased stopping distances or complete brake failure.

Brake fluid topping up

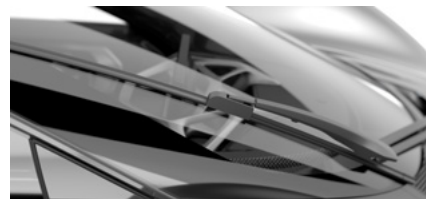
These instructions are provided for reference only and under normal circumstances, there is no requirement for routine 'topping up'.

- Top up the reservoir brake fluid level to the 'MAX' mark using **only** the Czingar approved brake fluid, see page 159 do not overfill.
- Screw the reservoir cap clockwise onto the reservoir until secure.

⚠ WARNING: Use only new brake fluid from a sealed container. Do not use any fluid which has been exposed to the atmosphere for more than a brief period, or any fluid suspected of being wet, dirty or contaminated. Do not overfill. Replace the cap securely.

⚠ WARNING: Brake fluid is hazardous to health and may be fatal if swallowed. Keep out of children's reach. In the event of consumption, seek medical attention immediately.

! CAUTION: Spilled brake fluid can seriously damage the vehicle paintwork and some plastic components. Take suitable precautions to protect the paintwork from contamination and in case of spillage, do not wipe, but thoroughly rinse the affected area with water immediately.



Wiper blade inspection

Lift the wiper arm and clean with windshield washer fluid only. Check the edge of the blade for cracks, splits and roughness. If the wiper is damaged, or ineffective after cleaning or is replace the blade to prevent windshield damage.

! CAUTION: To avoid damaging the wiper blade, do not lift the wiper by the wiper blade. Always lift it by the wiper arm.

To avoid the wiper accidentally activating, put the vehicle into sleep mode, see page 96.

! CAUTION: Do not clean the wiper blade with automotive glass cleaner as this may damage the surface of the polycarbonate windshield.

Wiper blade renewal

- Lift the wiper arm off the windshield and support it during renewal, never rest the wiper arm on the windshield.



- Pull the retention clip on the wiper arm outwards.



- Tilt the wiper blade and withdraw the blade from the wiper arm mounting clip.



- Attach the new wiper blade at a slight angle to the wiper arm, then push the blade into the wiper arm mounting clip until it engages.
- Press the retention clip inwards to secure.
- Lower the wiper arm carefully back onto the windscreen.

! CAUTION: Place a towel under the wiper arm to avoid scratching or cracking the windshield in case it lowers down for any reason.

! CAUTION: Do not fold back the wiper arm if the wiper blade is not fitted. This may damage the windshield.

! CAUTION: To prevent potential windshield damage, ensure the wiper blade is secure within the wiper arm before lowering back onto the windshield and operating.

Windshield washer jets

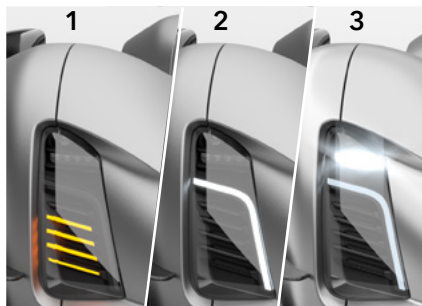
Washer jets are fitted to the underside of the windshield wiper arm, and under normal circumstances should not require adjustment.

Coolant reservoirs

Reservoirs for the engine, battery and charger cooler systems are located below panels under the front cowl panel and the engine bay.

Because tools are required to remove these panels, the reservoirs are only intended to be accessed by your Czinger retailer.

Czinger does not recommend attempting to remove these panels to inspect the coolant reservoirs. A warning lamp symbol and message in the driver display will alert you if any of these systems become low on fluid, you should then contact your Czinger retailer as soon as it is safe to do so.

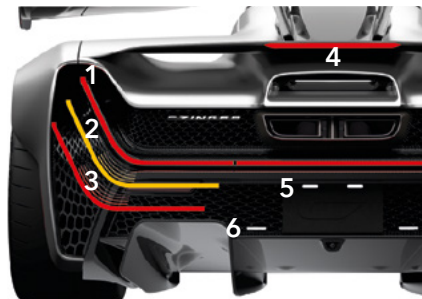


Exterior lights

The headlights are illuminated by light emitting diodes (LED's). Lights are serviceable only by the replacement of the complete unit. Also see page 80 for light operation information.

Front lights

1. Turn signal.
2. Position, daytime running.
3. Low beam/high beam.



Rear lights

1. Rear position*.
2. Turn signal.
3. Brake.
4. Center high mounted stop light.
5. License plate.
6. Reverse and rear fog.

*Will also illuminate when daytime running lamps are activated.

Rear turn signal lights

The turn signal lights flash at high intensity, alternating with off or low intensity illumination dependent on whether the position lights are illuminated. If the brake lights and a turn signal light are activated together, the flashing function will override the brake light. The opposite side brake light and center high mounted stop light will operate normally.

Side marker lamps

Both front and rear side markers are constantly illuminated regardless of the external light setting selected, see page 21.

12V battery

The 12V Lithium-Ion battery provides power to the vehicles 12V operated systems, and is charged by the high voltage battery, it also provides power to activate electrical systems within the high voltage battery.

Battery specification

Because the 21C does not use a conventional 12V starter motor to turn over the engine, a lightweight motorsport type battery with limited capacity is used instead.

Location

The 12V lithium-Ion battery is located in front of the driver, under panels which are not intended for the owner to access.

Battery charging

The battery trickle charger provided with the 21C should be connected to the vehicle if it is to be stored for more than 3 days without being started, as well as long term storage, see page 122.



CAUTION: Only use the 12V lithium-Ion type battery charger supplied with the 21C.

Battery replacement

This should only be carried out by your Czipper retailer.



Using the battery charger

A 2-pin charging connector is located on the rear fender between the license plate lamps, to use:

- Pry off the connector plug cover.
- Connect the battery charger connector lead into the plug housing.
- A message in the driver display shows the charger is connected.

Ensure to follow the instructions supplied with the charger.

See page 122 for guidance on when the trickle charger should be used.

Fuses

Panel removal is required to gain access to the fuse boxes on the 21C, therefore fuse inspection or replacement is not shown in this handbook.

If a vehicle system fails to operate, even you suspect it is only due to a blown fuse, then contact your Czinger Retailer for further advice.

Tires

The wheel and tire sizes on the vehicle are different front and rear, interchanging of wheels and tires between axles is not permissible.

 **WARNING:** Failure to adhere to this requirement will adversely affect the handling of the car and may result in an accident.

Tire inspection

The tires should be regularly inspected for signs of cuts, abrasions, bulges, other damage and for any uneven tread wear patterns. Uneven tread wear may indicate that the suspension geometry or dampers require attention from your Czingar Retailer.

When assessing tire condition and serviceability, replace tires if any doubt exists, or if the legal tread depth limits are approached.

 **WARNING:** Damaged, poorly maintained or improperly used tires are dangerous and may cause an accident.

Wear indicators

Wear indicators are molded into the bottom of the tread grooves at intervals around the tire, indicated by small pointers on the outer tread blocks. The tires should be replaced before wearing down to this minimum legal tread depth.

Worn tires with a low tread depth are more likely to hydroplane in wet conditions and should not be used.

Recommended tire pressures

Each tire, including the spare (if provided), should be checked at least monthly (Czingar strongly suggests checking every 1,000 miles, whichever is the sooner) when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label (see page 141). The label displays the recommended pressures for factory fitted tires. The 'Technical Data' section at the back of this handbook also lists the recommended tire pressures.

Cold tires

Check/adjust tire pressures only when the tires are cold (i.e., the vehicle has been stationary for a minimum of 3 hours or has been driven less than 1 mile), as the pressures may increase when the tires are warmed to normal running temperature.

Track use tire pressures

For track use, tire pressures should be checked and adjusted only once the tires are warm which can be achieved by performing approximately 3 moderate speed laps of the track circuit.

After rest intervals the pressures should be checked and adjusted to the correct inflation pressures, then warmed up again as described above prior to resetting them for track use. Once track use is completed, the tires should be given sufficient time to cool down before they are checked and adjusted to the correct inflation pressures for road use. Refer to the 'Technical Data' section for further tire pressure information.

⚠ WARNING: Due to the severity of tire operating conditions, extra vigilance is required for vehicles used on a race track or in a competitive manner. Careful inspections must be carried out before and after each session.

Michelin Pilot Sport Cup 2 tires

IMPORTANT: If fitted, the Michelin Pilot Sport Cup 2 tire provides outstanding grip and traction when used in dry conditions above 44°F (7°C). The lower tread profile does present a greater risk of aquaplaning on wet roads and grip can be reduced when driven in cold weather. Drivers should exercise caution and drive in a style according to the road conditions.



Scan the QR code for details on Michelin's new car tire warranty information.

Adjusting tire pressures

📖 NOTE: To avoid incorrect tire pressures, the pressures should be checked on cold tires as previously described in this section.

- Remove the dust cap from the valve on one tire and then press the tire pressure gauge firmly down onto the valve.
- Inflate or deflate the tire to the correct pressure, see the decal on the driver's side door pillar showing the recommended pressure for factory fitted tires.
- Refit the dust cap.
- Check the tire for any cuts, imbedded objects (such as nails that could cause a puncture or leakage), abrasions, bulges, other damage and for any uneven tread wear patterns.
- Repeat this procedure for all tires.
- Refer to page xx, 'Calibrating tire Pressure Monitoring System'.

⚠ WARNING: Over-inflated tires are more likely to be cut, punctured or broken by a sudden impact.

⚠ WARNING: Improperly inflated or worn tires are more likely to aquaplane in wet conditions.

⚠ WARNING: Over or under-inflated tires can overheat, resulting in a blowout which may cause a serious accident.

📖 NOTE: Always replace the tire valve dust cap to prevent the ingress of dirt and moisture into the valve, which could cause leakage.

Tire replacement

When replacing tires, always use the size and type of tires recommended in the 'Technical Data' section of this handbook, (see page 161), or consult your Czinger Retailer.

WARNING: Using the incorrect tires can affect the vehicle's handling and stability.

WARNING: Some tread patterns are asymmetric, such that the tires must be fitted to the wheels the correct way round. Refer to the 'side facing inwards' or 'side facing outwards' marking on the tire sidewall. In addition, some tread patterns are directional, in which case a direction of normal rotation arrow will be included in the tire sidewall markings.

Winter tires

If the car is to be used in winter or in cold conditions, or driven on snow covered roads, it is recommended to fit a car set of winter tires developed specifically for such conditions. Czinger approves the use of winter tires in sizes as specified in the 'Technical Data' section, (see page 161).

TIRE AND LOADING INFORMATION

1 SEATING CAPACITY TOTAL 2 FRONT 1 REAR 1

2 The combined weight of occupants and cargo should never exceed 185 kg or 408 lbs.

TIRE	ORIGINAL SIZE	COLD TIRE PRESSURE
FRONT 3	265/35ZR20	234KPA, 34 PSI
REAR	325/30ZR21	234KPA, 34 PSI
SPARE	NONE	NONE

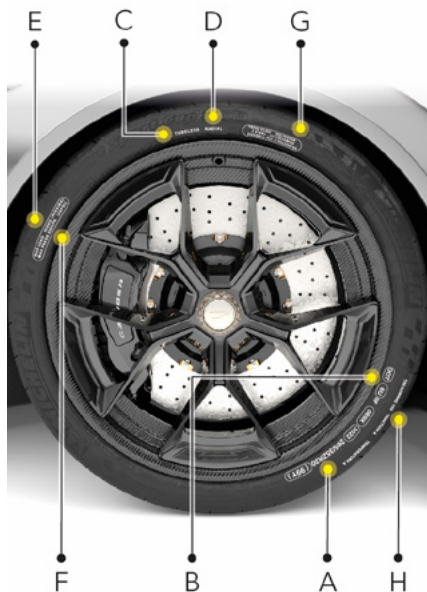
See Owner's
Manual for
Additional
Information

Tire placard label

Located on the left-side door pillar, visible with the door open and lists the following information:

- 1 Seating capacity: Maximum number of vehicle occupants (including the driver).
- 2 Vehicle load limit: Maximum total combined weight limit of occupants and luggage, also refer to 'Vehicle Loading Weight' information' on page xx.
- 3 Front and rear axle tire sizes: Refer to 'Technical Data' section for further information.
- 4 Front and rear axle tire pressures: Refer to 'Technical Data' section for further information.

Tire sidewall markings



WARNING: Never exceed the maximum speed rating as shown on the tire sidewall.

A Tire size example

325/ 30 ZR 21 108Y EXTRA LOAD

1 2 3/4 5 6/7 8

1. Tire width displayed in mm.
2. Tire sidewall with height displayed as a percentage of the tire width (also referred to as the aspect ratio).
3. Letter designation for tires rated for speeds over 149 mph (240km/h).
4. Letter designation for tire belt type (Radial).
5. Diameter or wheel rim displayed in inches.
6. Number designation of load rating of tire.
7. Letter designation of speed rating of tire (Y = speeds up to 186 mph or 300km/h).
8. This tire is designed for loads and inflation pressures greater than the standard version tire.

B TIN (Tire Identification Number):

Example

DOT	XXXX	XXXX	XXXX
1	2 3	3 5	6

1. Indicates that the tire complies with the US Department of Transportation safety standards.
2. One letter and one digit identifying tire manufacturer and plant code.
3. Two letter designation for tire size.
4. Four letter designation for additional information about the tire (brand, characteristics etc.).
5. Two digits displaying the week of the year of tire manufacture.
6. Two digits displaying the year of tire manufacture.

C Tube or tubeless type tire: Indicates if an inner tube is required to inflate the tire.

D Tire structure: Indicates that the tire has a radial structure.

E Maximum load rating: Displays maximum load that can be supported by the tire.

- F** Maximum pressure rating:
Displays maximum permissible cold inflation pressure that the tire can be inflated to.
- G** Tire composition and material:
Displays the number of plies in the tire tread and sidewall and the materials used.
- H** Uniform Tire Quality Grading;
This is described in the following information.

Uniform tire quality grading

The following information relates to the system developed by the United States National Highway Traffic Safety Administration, which grades tires by treadwear, traction and temperature performance. The grades are molded on the sidewalls of most passenger car tires between the tread shoulder and maximum section width. For example:

Treadwear 180 Traction AA
Temperature A

Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half (1 1/2) times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction

The traction grades, from highest to lowest, are AA, A, B, and C. Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance. The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.

Temperature

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

 **WARNING:** The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat build-up and possible tire failure.

Vehicle loading weights

The combined weight of occupants should never exceed the weight displayed on your vehicle's tire placard label, see page 141 for further information.

 **WARNING:** Never exceed the number of occupants shown on the tire placard label. Do not exceed the maximum total weight, or maximum front or rear axle weights (see following information as well as the 'Technical Data' section). Exceeding these limits may cause unstable handling or car or tire damage which could cause a crash in which you or others could be seriously injured or killed.

Weight loading combinations

There are no dedicated storage compartments in the 21C, therefore the only weight allowance is based on occupancy weight.

Determining correct load limit

1. Locate the statement "The combined weight of occupants and cargo should never exceed XXX lbs. or XXX kg." on your vehicle's placard.
2. Determine the combined weight of the driver and passengers that will be riding in your vehicle.
3. Subtract the combined weight of the driver and passengers from XXX lbs. or XXX kg.
4. The resulting figure indicates if the occupancy weight has been exceeded. For example, if the "XXX" amount equals 408 lb. (185 kg) and there will be a total occupancy - 440 lb. (200 kg).
5. Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

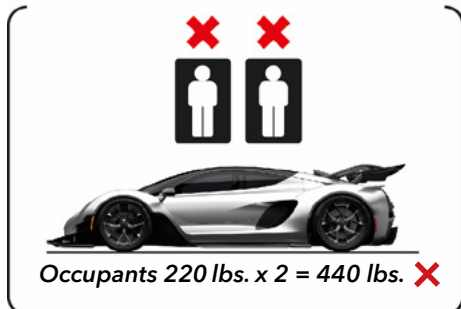
The illustrations on the following page display examples of determining the weight allowance based on calculating the combined weight of occupants.

**Total load
limit 408 lb. -**



**Additional 8 lb.
= occupancy weight
available**

**Total load
limit 408 lb. -**



**Maximum
= occupancy weight
exceeded**

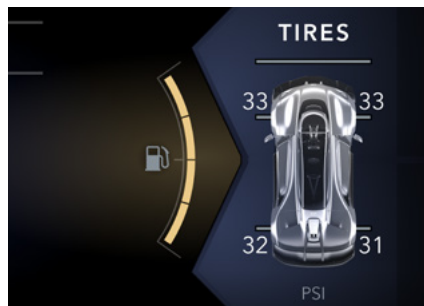
Tire Pressure Monitoring System

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure tell tale symbol when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure tell tale symbol illuminates, you should stop and check your tires as soon as possible and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure tell tale. See page 59 for additional information.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure tell tale symbol.

When the system detects a malfunction, the tell tale symbol will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction tell tale symbol after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.



If selected as a widget option, current pressure information can be shown in the driver display screen, see page 67.

The  tire pressure monitoring warning symbol will illuminate to warn if one or more of the tires become significantly under-inflated and a warning message is also shown in the driver display screen, see page 145 for further information.

When the  warning symbol illuminates, you should stop and check your tires as soon as possible and inflate them to the correct pressures, see page 161

 **WARNING:** If stopped for an emergency, move the vehicle off the road, switch on the hazard warning lights and mark the vehicle with other warning devices as available to reduce the risk of a collision.

 **WARNING:** Driving with under-inflated tires could cause the tires to overheat and can lead to tire failure and may affect the vehicle's handling and stopping ability.

 **WARNING:** Under-inflation also reduces tire tread life and may affect the vehicle's handling and stopping ability.

 **WARNING:** Damage to a tire will not be registered by the tire pressure monitoring system. Regularly check the tire condition and pressures, especially when driven on a track. Failure to do so may lead to serious injury or death.

TPMS sensor renewal intervals

The sensors are powered by integral batteries, with an average service life of 5 years. It is recommended to renew all pressure sensors at this time interval.

Calibrating TPMS sensor

After the fitment of a new sensor or wheel removal/refitment the tire pressure monitoring symbol will be illuminated in the driver display.

Driving the vehicle with the tires at the correct pressures for a short period of time will allow the sensor to calibrate to the tire pressure monitoring system and the symbol will extinguish.

Wheels

Ensure that only Czingier approved wheel, tire and wheel nut combinations are fitted.

After striking a pothole or curb, the wheels should be removed, and the wheel and tire thoroughly inspected for damage. If necessary, renew the wheel and/or tire.

Safety should always be the first consideration and new parts fitted in any cases of doubt.



WARNING: Using incorrect, or non-approved replacement wheels could be dangerous. It could affect the braking and handling of the vehicle, or cause tire deflation and result in an accident.

Wheel changing

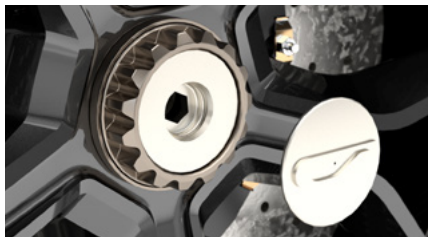
The wheel removal and refitment procedure is shown for reference only. This procedure must only be performed by an authorized Czingier technician with the vehicle raised on a suitable lift. Attempting to remove and refit a wheel by an unqualified person or lifting the vehicle using only a jack could result in both wheel and hub damage as well as the wheel being incorrectly tightened.



WARNING: The wheel nut may not torque tighten correctly if the removal and refitment procedure is not carried out correctly. This could cause damage to the wheel and hub and a loosely tightened wheel nut may lead to serious injury or death.

Wheel removal

- Raise the vehicle using the 4 vehicle lifting points as shown on page 153.



- Using a suitable screwdriver, carefully remove the center cap.



- Using a 12mm allen tool, and a suitable wrench (not provided), turn the safety cap clockwise and remove from the wheel nut.



- Withdraw the locking ring from the slotted sections of the wheel hub and the internal teeth of the wheel nut.



NOTE: If the locking ring is stuck between the wheel hub and the central nut, 2 x M4 screws can be screwed evenly through the holes to push the locking ring out. Then pull the screw heads to remove the locking ring.



- Using a wheel nut socket and suitable torque multiplier and bar, (not provided), turn the wheel nut counter-clockwise to loosen and remove.



NOTE: It is recommended that a second person secures the wheel nut socket to prevent it from slipping off the wheel nut during loosening.

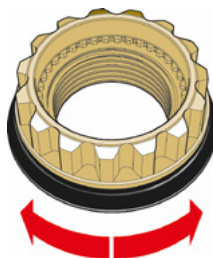


- Withdraw the wheel from the hub locating pegs.

WARNING: The wheels are heavy and can cause injuries if not handled correctly.



Examine the contact surfaces of the central nut and the wheel rim. If either surfaces are damaged or heavily worn, then they should be discarded and replaced.



Ensure the cone (black component in the picture) can be turned easily on the wheel nut. If the cone is hard to turn, the wheel nut must be discarded and replaced.

Wheel fitment



WARNING: The vehicle must remain lifted to tighten the central nuts. Otherwise, proper tightening will be impossible due to the weight of the vehicle.

1. Using a clean, dry, lint-free cloth, remove excess grease from the wheel hub and wheel nut.



2. Lubricate the first full threads of the wheel nut with Castrol Molub Alloy Paste TA.

⚠ WARNING: Ensure that the Castrol Molub Alloy Paste is only applied to the wheel nut thread and that it does not transfer onto any other part of the wheel nut or wheel rim. Specifically, the conical surfaces of the rim and wheel nut must be free of grease or other impurities. Any grease at locations other than the thread must be completely removed using brake cleaner.

⚠ WARNING: When using the brake cleaner, the manufacturer's safety instructions must be complied with.

3. Fit the wheel/tire assembly onto the vehicle, ensuring the locating pegs on the hub fit into the alignment holes on the back of the wheel.



4. Refit the wheel nut onto the hub, hand-tight.
5. Ensure that the wheel and wheel nut contact surfaces fit well together. There should not be a gap between the wheel hub and the rim.

⚠ CAUTION: The thread of the wheel nut and the hub must be free of dirt and grease when refitted.

⚠ WARNING: The wheel nut may not torque tighten correctly if there is dirt and grease within the hub mechanism. This could cause damage to the wheel and hub and a loosely tightened wheel nut may lead to serious injury or death.

Reusing original wheel nut

If the previously used wheel nut is being used, continue from step 6 onwards.

Using a new wheel nut

If a new wheel nut is fitted for the first-time, it is a requirement to bed in the assembly by fully assembling 5 times following the procedure shown in steps 6 to 8. The wheel nut should be removed and regreased on the 1st & 3rd application of the bedding in procedure. (As described in steps 1 to 5).



6. Tighten the wheel nut to torque of 100 Nm using a suitable torque wrench.

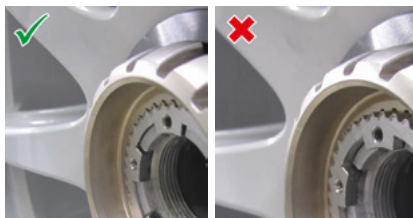


7. Using a suitable marker pen add a mark on the wheel rim that aligns with the '0° @ 100 Nm' line shown on the wheel nut socket.

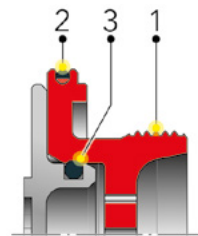
8. Using a torque multiplier and a bar with an angular gauge fitted, fully tighten by rotating the wheel nut by a further 28° angle, (+/-2°).



9. Refit the locking ring into the slotted sections of the wheel hub and the internal teeth of the wheel nut.

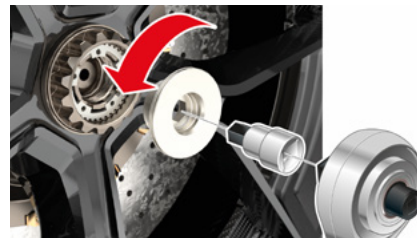


10. The locking ring only fits in certain positions. Rotate the locking ring until it is in the correct position. Ensure that the locking ring is pushed in completely and does not protrude at any point over the studs of the wheel hub.



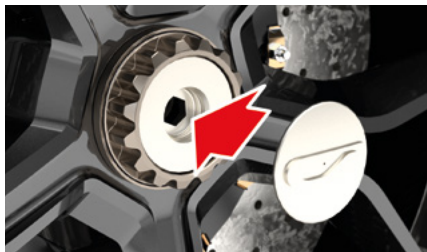
11. Apply Castrol Molub Alloy Paste TA to the first four threads (1) of the safety cap.

12. Ensure that the O-ring (2) is undamaged before assembly and apply Autol Top2000 or a similar lubricant to the O-ring.

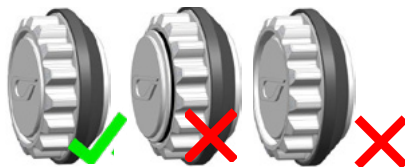


13. Refit the safety cap and tighten to 15Nm.

NOTE: Ensure that center cap O-ring is undamaged before assembly (item 3 from Step 11). If there is any damage visible, change the O-ring.



14. Evenly press the center cap into safety cap, ensuring it is a snug fit.



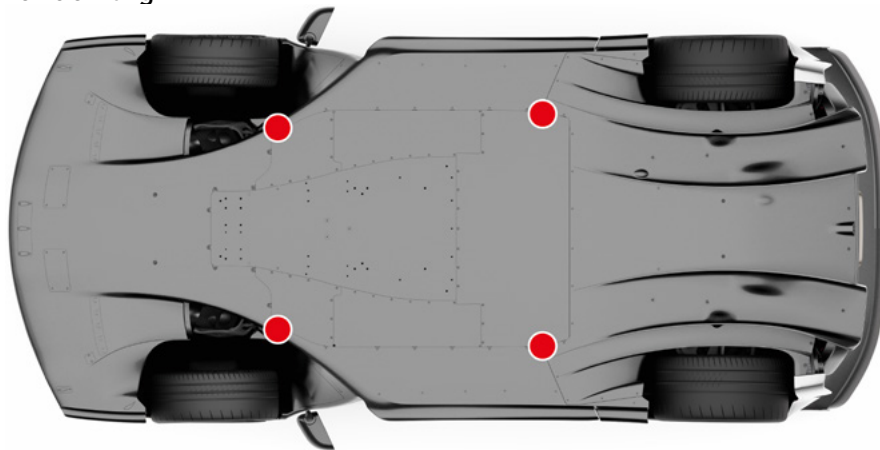
If the safety cap is correctly seated, the fitted center cap will be positioned flush with the wheel nut.

If this is not the case, check that the locking ring is positioned correctly (step 10).

If the locking ring was not installed, the safety cap will be positioned deeper into the wheel nut. In this event, the safety cap must be removed, and the locking ring installed.

15. Remove excess grease from the wheel nut/center cap area.

Vehicle lifting



Lifting points

Only the 4 lifting points indicated by the red circles can provide enough support to lift the vehicle.

- Front point locations: Place the lifting pads centrally, so that they overhang on the edges of the outer corners of the left and right panels shown.
- Rear point locations: Place the lifting pads centrally where the center panel joins the left and right side outer panels and the rear undertray panel.

Attempting to lift the vehicle on any other panels, or, on the wrong positions of the panels shown by the red circles will result in damage to the underside panels as well as potential vehicle instability.

Lifting care points

Ensure that any non-Czinger repainer or recovery service is aware of the lifting procedure shown in this section.

The underside of the vehicle **CANNOT** be supported by axle stands; Czinger only recommends using a suitable automotive lift to raise the vehicle.

A floor jack should only be used in an emergency to raise the vehicle, but not to perform any type of repair or maintenance.

! CAUTION: The vehicle must **NOT** be lowered onto axle stands, as the suspension or underbody may be damaged.

Use the  button to raise the vehicle, see page 137.

To prevent damage to the underside panels of the vehicle, fit all lifting arm pads with suitable spacers.

 **WARNING:** Use only those lifting points identified. Lifting on any part of the body, or with a lifting arm improperly positioned, may jeopardize safety. If the car falls off the ramp, you or others could be seriously injured or killed.

 **CAUTION:** Use only the lifting points shown. Lifting on any other places, or with a lifting pad improperly positioned, may damage the vehicle.

Floor jacks

These should only be used in an emergency, or if the intention for raising the vehicle is not to remove a wheel or perform any maintenance.

Read and follow all lifting care point information as well as the cautionary and safety warnings concerning vehicle lifting shown in this section.

Switch on the hazard warning lights and if necessary, set up a warning triangle at a sufficient distance to the rear.

Comply with any local legislation required. All occupants must get out of the vehicle and must move to a safe place away from any traffic. Apply the vehicle parking brake and chock all wheels not to be lifted.

 **CAUTION:** Ensure the vehicle is positioned on firm level ground before lifting. If necessary, place a spreader plate beneath the jack to distribute the vehicle weight and prevent the jack from subsiding.

Follow any instructions provided with the jack when raising or lowering the vehicle.

Only raise the vehicle by one jacking point at a time, ensuring the vehicle weight is supported by the remaining three wheels contacting the ground.

The underside of the vehicle CANNOT be supported by axle stands.

 **WARNING:** Using a jack can be dangerous. NEVER get under a vehicle when it is supported only by a jack. If the vehicle falls off the jack, you or others could be seriously injured or killed.

 **WARNING:** Use only those lifting points identified. Lifting on any part of the body, or with a jack improperly positioned, may jeopardize safety.

Vehicle Recovery

The 21C should only be recovered using flatbed car transporter. Only in an emergency and if it can roll freely should it be towed using the recovery eye and then only for the shortest distance necessary not exceeding a road speed of 10 mph (16 km/h).

 **WARNING:** Use only towing equipment designed specifically for this purpose.

 **CAUTION:** Towing at speeds exceeding 10 mph (16 km/h) and/or for long distances could generate power within the front electronic axle. This could result in component/battery damage and overheating.

Internal components within the rear engine transmission may not be lubricated while being towed, which will also result in component damage.

 **CAUTION:** Do not try to tow or winch the vehicle by any other means than using the designated towing eye as this could cause damage to the vehicle.

 **NOTE:** Comply with all local legislation applicable to vehicles being towed.

Personal Safety

The 21C is fitted with high voltage components. Therefore, before winching or transporting because of an incident that may have damaged high voltage components (such as a collision), always assume these components are still energized.

 **WARNING:** Do not fit the recovery eye, winch or transport the vehicle if you cannot be sure that all high voltage systems are isolated. Wait until emergency response professionals have inspected the vehicle and can confirm that all high voltage systems are no longer energized.

 **NOTE:** In the event of a severe collision, both doors will automatically unlock.



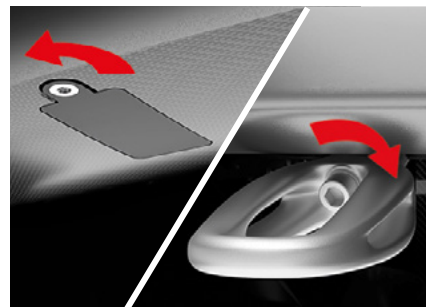
Recovery eye

A recovery eye is supplied with the 21C, which attaches to the front crash structure of the vehicle.

- ⚠ **CAUTION:** Do not fit the recovery eye unless the vehicle is being towed for the shortest of distances, or unless being winched onto a transporter.
- ⚠ **CAUTION:** To prevent damage to the recovery eye and anchorage point, the recovery eye must only be pulled in a forward direction (not from a side angle).

⚠ **CAUTION:** Attempting to winch with the vehicle still in gear or the parking brake still applied will cause damage to the transmission or braking systems.

⚠ **CAUTION:** Attaching winching/towing equipment to the vehicle body or suspension will result in damage to the vehicle.

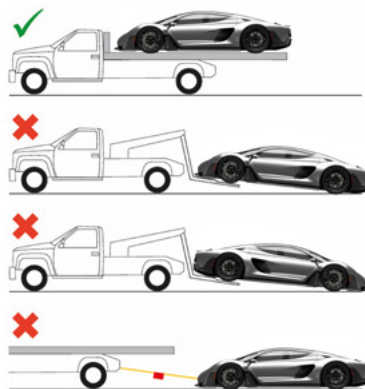


Recovery eye fitment

- Using a Torx T30 screwdriver, release the screw securing the protective cover located in the center of the front bumper, above the central air intake grille.
- Remove the cover and retain in a safe place.
- Fit the recovery eye through the bumper, into position onto the anchorage point.
- Screw the Allen headed bolt clockwise to 75lbf.ft (103 Nm) to secure the towing eye to the anchorage point.

Towing

- Put the vehicle ignition into 'Awake' state and release the electric parking brake, see pages 96 and 105.
- Ensure that the keyfob is left in the cabin when the vehicle is being towed.

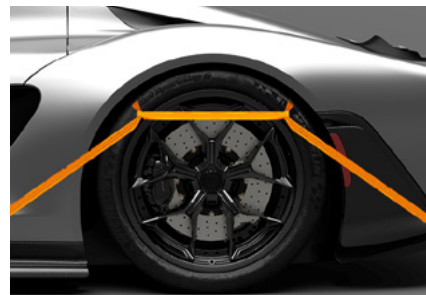


Transportation

Only transport the vehicle with both axles off the ground on a tow truck or car transporter.



NOTE: Before placing the vehicle on a transporter or trailer please read all instructions, warnings and cautions regarding vehicle recovery, recovery eye fitment and winching shown on pages 155 to 157.



Vehicle tie-down

The vehicle should only be secured by chocking and strapping around the wheels when being moved by a transporter or trailer.



CAUTION: Attaching restraints around suspension linkages, recovery eye, chassis or body components may cause damage.

TECHNICAL DATA



Fluids and lubricants

Engine

Approved product / Viscosity / quality standard: Motul 300V 4T / 10W/40 fully synthetic / API JASO latest standards

Transmission

Approved product / quality standard: Shell Spirax S5 75W/90

Brake system

Approved Product / Specification: Motul RBF 700 / 100% Synthetic Racing brake fluid – DOT 4*

Engine coolant additive

Approved Product / Specification: Comma Xstream G40 coolant / Ethylene glycol with Si-OAT (Silicated Organic Additive Technology)

Charge cooler coolant system additive

Approved Product / Specification: Same as engine coolant additive

High voltage battery coolant system additive

Approved Product / Specification: Motul Egen BC50 R3 / ASTM D455

Power steering system (PAS)

Approved product / specification: Fuchs Titan CHF202

Windshield washer bottle

Approved products: Use a product that is suitable for polycarbonate windshields

Using the specified lubricants is important. Lower quality oils may not provide adequate protection before the next scheduled service which may result shortened component life or damage.

* The brake fluid listed is the only product approved for the 21C, do not use any other product.

Capacities

Engine oil*	9.77 US lqd qt (9.25 liters)
Transmission	8.77 US lqd qt (8.3 liters)
Brake fluid	0.53 US lqd qt (0.5 liters)
Engine coolant**	3.69 US gallons (14 liters)
Medium temperature coolant circuits**	
Left circuit	3.43 US lqd qt (3.25 liters)
Righ circuit	3.17 US lqd qt (3.0 liters)
Low temperature coolant circuit**	7.92 US lqd qt (7.5 liters)
High voltage battery coolant**	4.75 US gallons (18 liters)
Power steering	1.05 US lqd qt (1.0 liter)
Windshield washer bottle	1.49 US lqd qt (1.4 liters)
Fuel Tank	15.85 US gallons (60 liters)

*Figure shown is for the engine and oil filter capacity, additional oil is contained within the oil cooler circuit which cannot be drained during a normal oil change.

**Figures shown are 50/50 mixture of system additive to water.

Gasoline engine data

Gasoline type:	91 RON
Maximum Power output	750hp 560kW @ 10,500 rpm
Maximum engine speed	11,000 rpm

Fuel consumption (MPG)

City	9.8
Highway	12.3
Combined	10.9

Unleaded fuel requirement

Minimum	91 (RON+MON)/2
Recommended	93 (RON+MON)/2

Tires

Road tires

	Position	Size load/speed rating	Inflation pressures
Michelin Pilot Sport Cup 2	Front	265/35ZR20 (99Y) XL	34 PSI (2.3 bar)
Michelin Pilot Sport Cup 2	Rear	325/30ZR21 (108Y) XL	34 PSI (2.3 bar)

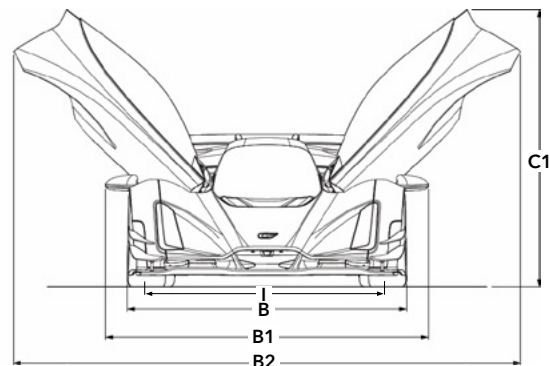
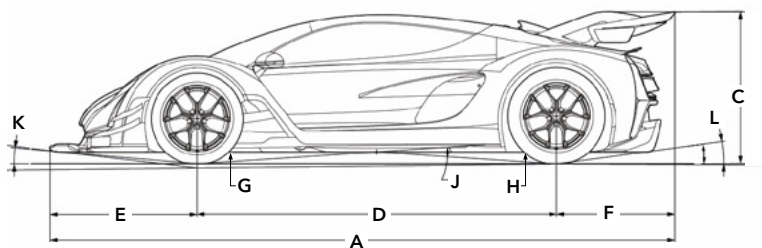
Track tire option

	Position	Size load/speed rating	Inflation pressures
Michelin Pilot Sport Cup 2R	Front	265/35ZR20 (99Y) XL	34 PSI (2.3 bar)
Michelin Pilot Sport Cup 2R	Rear	325/30ZR21(108Y) XL	34 PSI (2.3 bar)

Winter tires

	Position	Size load/speed rating	Inflation pressures
Michelin Pilot Sport 4S	Front	265/35ZR20 (99Y) XL [†]	34 PSI (2.3 bar)
Michelin Pilot Sport 4S	Rear	325/30ZR21 (108Y) XL [†]	34 PSI (2.3 bar)

Failure to monitor and adjust the tire pressures as necessary will result in premature and excessive tire wear.



Dimensions

A	Overall length	184.72 in (4691 mm)	H	Ride height - rear axle	3.74 in (95 mm)
B	Width	82.51 in (2096 mm)	I	Track front	70.94 in (1802 mm)
B1	Width	95.43 in (2424 mm)	I	Track rear	68.30 in (1735 mm)
B2	Width	149.96 in (3809 mm)	J	Break over angle	7.8°
C	Overall height	45.27 in (1150 mm)	K	Approach angle front	4.9°
C1	Overall height	81.85 in (2079 mm)	K*	Approach angle front	7.2°
D	Wheelbase	106.29 in (2700mm)	L	Approach angle rear	8.1°
E	Front overhang	43.42 in (1103 mm)	L*	Approach angle rear	7.4°
F	Rear overhang	34.96 in (888 mm)			
G	Ride height - front axle	3.54 in (90 mm)			
G*	Ride height - front axle	4.72 in (120 mm)			

*Nose lift activated

Weights

Curb weight:

Total 3668 lb. (1664 kg)

Gross (maximum) vehicle weight rating

Total 4076 lb. (1849 kg)

Maximum permissible (GVWR)

2 occupants x 408 lb. (185 kg)



A			
Accessories and modifications	120	Hill start assist.....	106
Airbag system.....	36	Hydraulic brake assist	103
Airbag warning lamp	37	Traction control system.....	103
Driver airbag	38	C	
Seat belt pretensioners.....	37	Cabin air temperature	88
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Air conditioning	88	Care and maintenance	
Air distribution	89	12V battery	136
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Air ventilation	87	Brake fluid master cylinder.....	131
Anti-lock braking system.....	102	Cleaning your 21C	122
Apple CarPlay.....	69, 73	Coolant reservoirs	134
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Battery charging	136	Front cowl panel	129
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