

## In your owner's package

In addition to this Quick Reference Guide, the following documents are included in your owner's package:

- Owners Manual - provides you with the knowledge necessary to operate and care for your vehicle
- Touch Screen Users Manual - provides details on using the Touch Screen
- Roadside Assistance Guide - details the Tesla Motors Roadside Assistance program and provides instructions on how to transport your vehicle
- Warranty Guide - details the New Vehicle Limited Warranty
- Tire Warranty - details the terms of the warranty for your vehicle's tires

## Other documents

In addition to the documents in your owners package, Tesla provides the following documents:

- OEM audio/navigation manual(s) - describes how to use the vehicle's audio and navigation system. This manual is provided in your vehicle's trunk.
- High Power Wall Connector Installation Manual - provides step-by-step instructions for installing the Tesla Motors High Power Wall Connector. Included with the High Power Wall Connector.
- Mobile Connector Users Manual - describes how to use a Tesla Motors mobile connector. Included with the mobile connector.

## On the Tesla web site

The owners portal of the Tesla web site has all the information you need about your specific vehicle, including up-to-date service information. You can also share information with other Roadster owners. To access this portal, go to [www.teslamotors.com](http://www.teslamotors.com). Then sign in by clicking the "owners" link located on the top right-hand side of the page.

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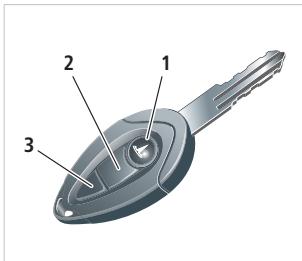
*For Roadside Assistance, call 866-998-3752. For more information on Roadside Assistance and transporting your vehicle, refer to the Roadside Assistance Guide, included in your owners package.*

# Doors and locks

## Your key fob

1. Lock
2. Unlock
3. Programmable button

See page 4 for details on how to program the third button.



## Alarm system

With all doors, the trunk and the hood closed, lock the vehicle by pressing the Unlock button on the key fob. The turn signals flash once to confirm that the vehicle is locked.



The alarm indicator on the instrument panel flashes red to indicate the alarm is active.

To switch off the alarm, or silence it when it is sounding, press the Unlock button on the key fob, or enter your PIN code on the Touch Screen. The default PIN code is 1234. See page 4 for instructions on customizing a PIN code.

## Opening a door

With the doors unlocked, lightly press the touch pad (located in the air inlet on the door) to release the door.



## Opening and closing the trunk

To open the trunk, press the trunk release button on the bottom left side of the dashboard, or insert the key and turn COUNTER-CLOCKWISE. You can also program your key fob to allow the programmable button to open the trunk (see page 4).

**Note:** If the alarm is active, the horn will sound if you open the trunk using the key.

To close the trunk, firmly apply downward pressure on one side of the rear spoiler until you hear it “click” into place. Repeat for the other side.

## Valet mode

For your peace of mind, your vehicle has a unique valet mode for those times that your vehicle is parked by another person.

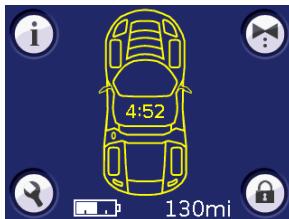
When valet mode is active, the vehicle's speed is limited to 50 mph (80 km/h), the glove box is locked and the touch screen functionality is limited to displaying activity information on how your vehicle was used while in valet mode.

To activate valet mode, touch the bow tie icon on the touch screen's main parked screen.

Then enter your security PIN code and touch **OK**. The touch screen displays the Valet Mode Activated screen.

Valet mode can only be deactivated by entering the security PIN code again.

*The default security PIN code is 1234. Tesla Motors strongly recommends that you change this to a unique PIN code (for instructions, see page 4).*



## Emergency unlocking

If you can't unlock the doors using the key fob (for example, if there is an electrical failure or the key fob battery is dead), insert the mechanical key into the lock on the bottom of the driver's door.

**Note:** If active, the alarm will sound when the door is opened. To cancel the alarm, enter the PIN code on the Touch Screen.



## Glove box

To open the glove box, press the button located on the dashboard.

**Note:** The glove box can not be opened if the vehicle has been locked with the key fob.



# Customizing your security PIN and key fob

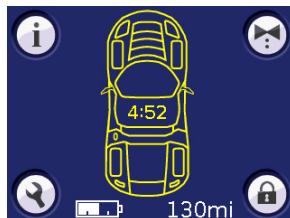
## Changing the security PIN

You can use a security PIN to inhibit anyone from starting and driving your vehicle until the correct PIN code is entered on the Touch Screen. You also need this PIN to turn off the vehicle's alarm and to put the vehicle into Valet mode.

When you receive your vehicle, the default security PIN is **1234**. Tesla recommends that you follow these steps to create a unique PIN:

- With the vehicle parked, engage the hand brake, and touch the SETTINGS (wrench) button on the main parked screen.

Settings Screen 1 of 3 will be displayed.

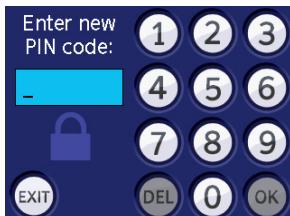


- Touch the RIGHT ARROW button to display Settings Screen 2 of 3.

- On Settings Screen 2 of 3, touch the Security PIN button.



- Follow the on-screen instructions, touching the number buttons, then pressing OK when done.



## Programming the key fob

You can program the top button on your key fob to activate the vehicle's alarm, open the trunk, or operate a HomeLink® device\*. Follow these steps:

- Display Settings Screen 2 as described on the left.

- Touch Key Fob.

- Touch the UP ARROW or DOWN ARROW to position the blue rectangular box around the function you want to assign to the key fob.

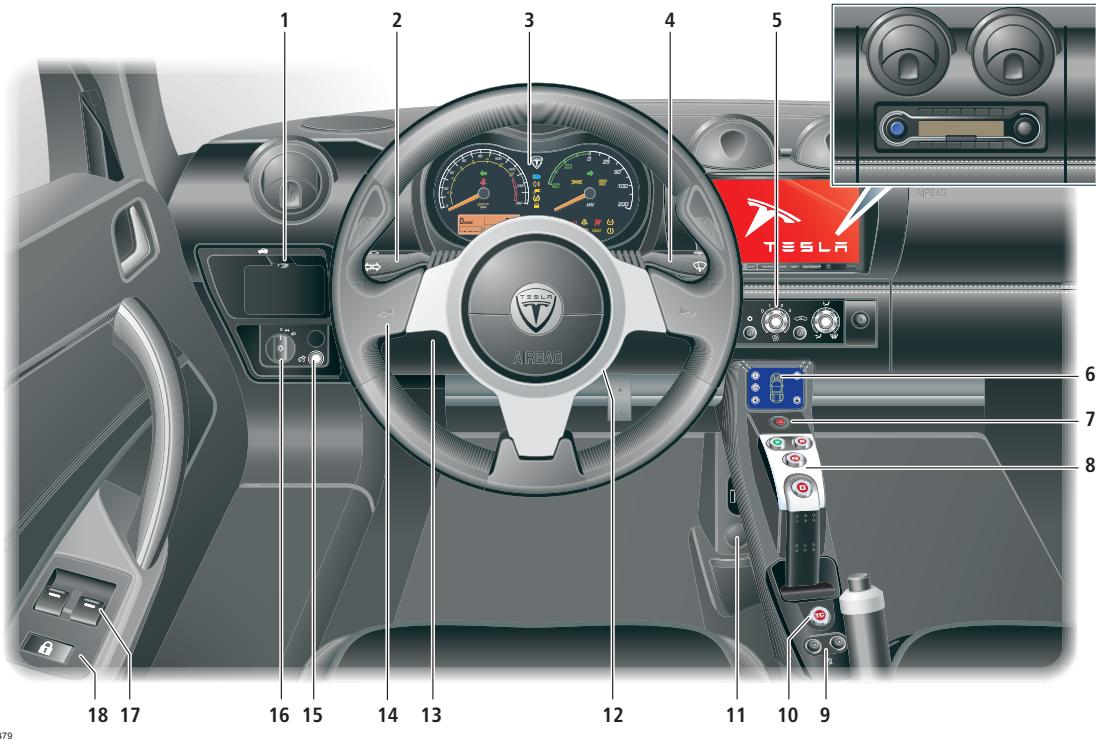
- Touch SELECT.

- Touch OK



\*To program the key to operate a HomeLink® device, you must first set up the device by following the instructions on page 8.

# Overview of controls



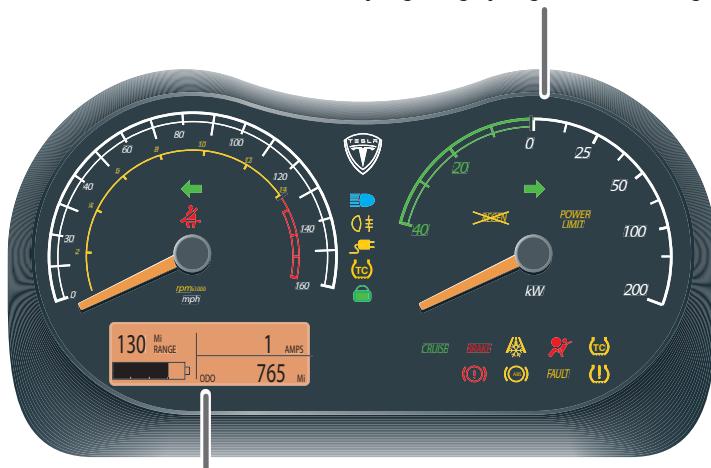
TR1479

1. Trunk release
2. Turn signals/headlight high beam/cruise control
3. Instruments
4. Windshield wiper and washer
5. Heating and air conditioning
6. Touch Screen
7. Hazard warning light switch
8. Gear selector
9. Seat heaters
10. Traction control switch
11. Accessory power socket
12. Starter switch
13. Hood release
14. Horn
15. Instrument panel illumination control
16. Exterior lights master switch
17. Power windows
18. Central door locking

# Instrument panel

White values show the current the Battery is using.

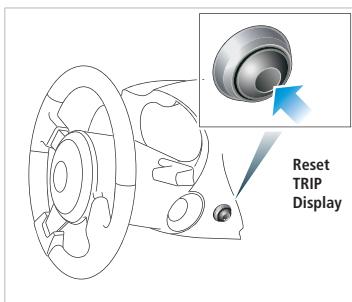
Green values show the current the Battery is gaining by Regenerative Braking.



The LCD panel displays estimated range and level of charge on the left, current on the top right, and odometer/trip display on the bottom right.

## Odometer/trip display

Press the button on the right-hand side of the steering wheel to toggle back and forth between odometer and trip display. To reset the trip display, hold the button down for one second.



The driver's seat belt is unbuckled.



High beam headlights are in use.



Flashes amber when the vehicle is charging. Illuminates red when the charge port door is open but the vehicle is not charging.



Traction control is disabled.



Flashes red when the vehicle is locked and the alarm system is on. Illuminates green when the vehicle is locked but the alarm is off.



Regenerative braking is not available.



The vehicle's power is being limited.



Cruise control is in use.



The hand brake is engaged. If the hand brake is not engaged, a brake system fault has occurred.



The temperature outside is below 37°F (3°C).



Illuminates only when you first start the vehicle. If it doesn't, or if stays on, a safety-related fault has occurred and you must contact Tesla Motors.



Illuminates briefly when the traction control system is preventing the vehicle from sliding.



Illuminates amber when a non-critical fault has occurred. Illuminates red when a critical fault has occurred.



The pressure of a tire is out of range.



The hand brake is engaged (illuminates in addition to the BRAKE indicator above it).

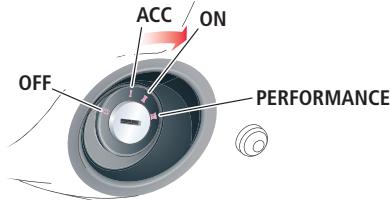


An ABS fault has occurred.

## Starting the vehicle

To start the Roadster, simply turn the key to the **ON** position.

All warning indicators on the instrument panel illuminate briefly. When these indicators extinguish and the gear selector buttons illuminate, the vehicle is ready to be driven.



To drive the vehicle, press the brake pedal and then press the **D** (Drive) or **R** (Reverse) gear button.

## What if I turn the key all the way?

Nothing, if you do so within 10 seconds of starting the vehicle. Turning the key all the way clockwise while driving (or more than 10 seconds after starting the vehicle) will invoke "Performance" mode. Performance mode boosts the vehicle's power to minimize the time it takes to accelerate from 0-60 mph (0-100 km/h).

When active, the word **Performance** will be displayed on the battery image on the Touch Screen's standard drive screen.

To cancel Performance mode, turn the key forward again.

**Note:** Performance mode can also be selected or cancelled using the Touch Screen. For more information, refer to the Touch Screen Users Manual.

*Frequent use of Performance mode is discouraged as it will reduce the life of the Battery.*



## Changing gears

To change gears, simply press a gear button. Press the brake pedal to change the gear out of **P** (Park) or **N** (Neutral). The button associated with the selected gear illuminates green.

Whenever the starter switch is in the **OFF** position, **P** (Park) is automatically engaged.

**Note:** Similar to a conventional automatic transmission, when you select **D** (Drive) or **R** (Reverse), the vehicle will move, even if you have not pressed the accelerator pedal.



## Braking

Similar to a conventional vehicle, the anti-lock braking system (ABS) varies brake pressure according to the amount of grip available on the road.

The Roadster also has a "regenerative braking" system that slows the vehicle and feeds energy back to the Battery whenever the car is moving and you release the accelerator pedal. A visual display on the instrument panel provides real-time feedback on the amount of energy that is used or gained.

The amount of regenerative braking varies depending on the charge level of the Battery. You'll experience a loss of regenerative braking if the Battery is extremely hot or cold, or if the Battery has already been charged to its maximum allowable level using the Range or Performance charge setting.

You'll also experience a loss of regenerative braking in slippery road conditions—when this occurs, the traction control indicator on the instrument panel may flash and the brakes may feel slightly different. This is not a cause for concern.

 When regenerative braking is not available, or has been significantly reduced, a warning indicator illuminates on the instrument panel. This is not a cause for concern.

# Starting and driving

## Traction control

Traction control is automatically switched on each time the starter switch is turned to the ON position.

It is recommended that traction control remains ON for normal driving conditions. The system should only be switched off in circumstances where you deliberately want the wheels to slip.

To switch off traction control, press the switch on the centre console.



The warning indicator in the instrument panel illuminates whenever the vehicle is operating without the advantages of traction control.



## Cruise control

***Do not use cruise control in traffic conditions where a constant speed cannot be maintained or on winding or slippery road surfaces.***

The cruise control system allows you to maintain a selected vehicle speed above 30 mph (48 km/h) without having to use the accelerator pedal.

Operate cruise control using the controls on the left-hand steering column lever:

- **O** - OFF
- **I** - initially sets the current speed. Subsequent presses increase the speed.
- **R** - initially resumes a previously set speed. Subsequent presses reduce the speed.



When cruise control is active, the warning indicator in the instrument panel illuminates.

**Note:** Cruise control automatically disengages when you press the brake pedal, apply the hand brake, switch off traction control, or when the vehicle's speed falls below 30 mph (48 km/h).

## Exterior lights

The exterior lights are controlled using a rotary switch located on the lower left-hand side of the dashboard.

1. All exterior lighting and backlighting for instruments and switches are switched off.
2. Side lights, tail lights and license plate light are switched on. If the starter switch is in the ACC or ON position, backlighting for instruments and switches is also switched on.
3. Headlights on.



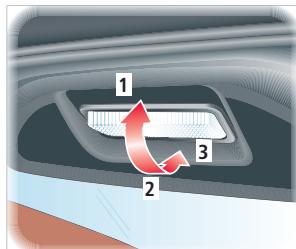
## Instrument panel light

Adjust the brightness of the instrument panel lighting by rotating the knob located on the lower right side of the panel illustrated above.

## Interior light

The interior light on the rear header rail has three positions:

1. Light on.
2. Automatic operation. The light turns on when you unlock the vehicle or open a door. The light turns off 30 seconds after you close the door or when you turn the key on.
3. Light off. The light does not turn on, even when you open a door.



## High beam headlights

Push the left-hand steering column lever away from you to select high beam. To cancel high beam, pull the lever towards you.



An indicator in the instrument panel illuminates when high beam is active.

Pull the steering column lever towards you and release to flash the headlights.



## Turn signals

Move the left-hand steering column lever down to operate the left turn signals or up to operate the right turn signals. The turn signals continue to operate until cancelled by the steering wheel or by returning the lever to its central position.

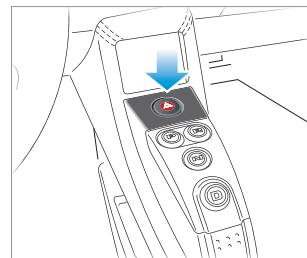
Indicators in the instrument panel will flash to show which turn signals is operating. An audible ticking is also heard.



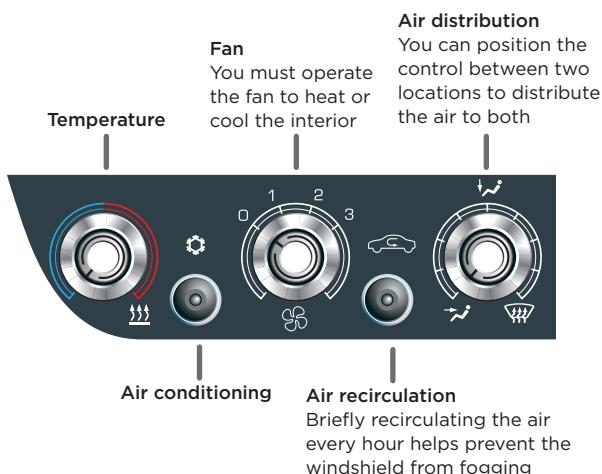
## Hazard warning lights

The hazard warning switch is located in the centre console and operates even when the key is not in the starter switch.

Press to operate. All turn signals will flash and the turn signal indicators on the instrument panel will also flash.



# Heating and air conditioning



## To cool the interior

- Rotate the fan button clockwise
- Press the air conditioning button (the button will illuminate)
- Rotate the temperature control button counter-clockwise as needed

## To heat the interior

- Rotate the fan button clockwise
- Rotate the temperature control button clockwise as needed

## To defrost the windshield

- Rotate the air distribution button to the windshield
- Rotate the fan button fully clockwise

*The fan must be on to cool or heat the interior of the vehicle.*

## Seat heaters

The seat heaters only operate when the starter switch is in the ACC or ON position.

Press the respective button to operate the required seat heater.

- Press once to operate at a high level. The switch indicator will illuminate amber.
- Press again to operate at low level. The switch indicator will illuminate green.
- Press again to switch off.



## Useful information

- Both the heating and air conditioning systems are powered by the Battery - prolonged use will decrease the vehicle's driving range.
- Although the seat heaters consume energy from the Battery, they are a more efficient way of keeping warm than using the interior heating system.
- In addition to cooling the interior of the vehicle, the air conditioning system also cools the Battery. In high ambient temperatures, priority is given to cooling the Battery and the desired interior temperature may be difficult to achieve. Refer to the summer driving tips in the Owners Manual.
- After turning the starter switch to OFF, the cooling system fans may continue to operate for a period of time.

## Three types of screens

Different types of screens are available depending on whether the vehicle is charging, driving, or parked:

- **Parked screens** are displayed when the handbrake is engaged.
- **Charge screens** are displayed when the charge port door is open.
- **Drive screens** are displayed when the vehicle is ON, the handbrake is not engaged, and the charge port door is closed.

All screens provide real-time information. For detailed information about the Touch Screen and its many features, refer to the Touch Screen Users Manual.

## Drive Screens

Drive screens provide you with useful information when you are driving the vehicle. Touch the arrow buttons to scroll through up to six drive screens. The example shown here is the "Standard" drive screen and is displayed by default.

Pay special attention to the Battery level to make sure you can return to a charging location when the charge level is low.

Touch the RANGE button to switch between the two ways to display remaining mileage:

- EST RANGE - estimated range is based on how you've been driving for the last 40 miles.
- IDEAL RANGE - ideal range is the optimum mileage that you can achieve if you drive conservatively in ideal conditions. Ideal range will almost always be higher than estimated range.



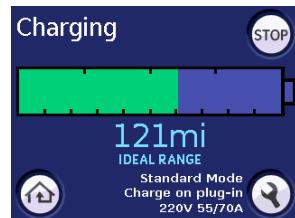
## Main Parked Screen



Click the wrench to display Settings screens. These screens allow you to customize various vehicle behaviors and Touch Screen features.

## Charge Screens

The Charge screen displays charging status. You can also access charge settings from this screen.



# Setting up HomeLink®



You can set up the Touch Screen to control up to three HomeLink® devices. After you set up a HomeLink® device, you can touch the HomeLink® button on all primary screens to operate the device.

Before setting up a HomeLink® device, familiarize yourself with these three terms:

- **Controller** - the HomeLink® button on the Touch Screen that you use to operate the device
- **Transmitter** - the hand-held mechanism you normally use to operate your device (for example, your garage door opener)
- **Receiver** - the device itself (for example, the garage door's lifting mechanism)

## To access the HomeLink® screen



When the handbrake is engaged and the charge port door is closed, touch this button on the Touch Screen. Then touch the right arrow button to move to Settings Screen 2. Then touch the HomeLink® button.



After you add a controller, it is displayed here and a HomeLink® button is displayed on the primary Drive screens and on the main Parked screen.

## To add a controller

1. Touch ADD
2. Follow the on-screen instructions asking you to point the hand-held transmitter at the vehicle's left speaker, and touch and hold the transmitter's button. Within a minute, the Touch Screen momentarily displays "Recording Complete" before displaying the Name Controller screen. If not, touch OK to try again, or EXIT to cancel the process.
3. Depending on the type of HomeLink® device you have, you may also be instructed to go to the receiver and press its training button. You will have 30 seconds to return to the Touch Screen and touch OK.
4. Enter a name of up to 7 letters, then touch OK
5. Touch TEST to make sure the device operates. If it does, then touch SAVE. To discard the recording and start over, touch EXIT.

## To remove a controller

1. Touch REMOVE
2. Touch the controller button you want to delete
3. Touch OK to delete the controller

## To rename a controller

1. Touch RENAME
2. Touch the controller button you want to rename
3. Touch DELETE to remove unwanted letters.
4. Enter the letters of the new name and touch OK

## To charge your vehicle

REMOVE THE KEY and follow these steps:

1. Open the vehicle's charging port door.
2. Align the white locating dot on the charge cable connector with the locating groove inside the vehicle's charging port.
3. Insert fully while rotating the connector clockwise. The connector is secure when its thumb lock is at the 12 o'clock position.
4. Push the thumb lock forward to initiate charging.

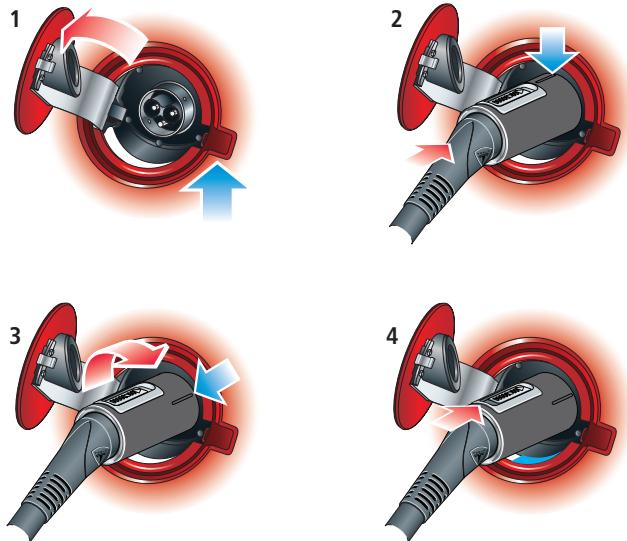
The ring around the charging port pulses blue to indicate that the vehicle is communicating with the charging equipment. After a brief delay, the ring around the charging port will pulse amber, which indicates that the vehicle is charging. The frequency at which this ring pulses will slow down as the charge level approaches full. When charging is complete, the ring stops pulsing and illuminates green.

For charging status, check the Touch Screen.

## To stop charging

1. If necessary (charging is still in progress), press the STOP button on the Charge screen.
2. Pull the thumb tab on the connector towards you.
3. Rotate the charge cable connector counter-clockwise while pulling slightly to release it from the charging port.
4. Close the charging port door.

For more information on charging your vehicle, refer to the Owners Manual. For details on how you can use the Touch Screen to customize charge settings, refer to the Touch Screen Users Manual.



*DO NOT allow the vehicle's Battery to fully discharge. If the Battery's charge level falls to 0%, it must be plugged in immediately. Failure to do so can permanently damage the Battery and this damage is not covered by the Vehicle Warranty.*

*Tesla Motors strongly recommends that the vehicle is left plugged in whenever it is not in use. This will prevent the battery from discharging and will ensure that the vehicle is charged and ready to be driven.*

# Accessories

## Accessory socket and USB port

The accessory socket is available whenever the key is turned to the ON position. This socket powers accessories requiring up to 10A or a maximum of 125 watts of power.

The USB port, located directly above the power socket, is used to download your vehicle log file to a flash drive. This may be required in a situation where remote diagnostics is required and the file can not be received automatically by Tesla Motors. For more information, refer to the Owners Manual.

**Note:** The USB port is not designed to be used for personal devices such as an iPod®.

## iPOD® connector

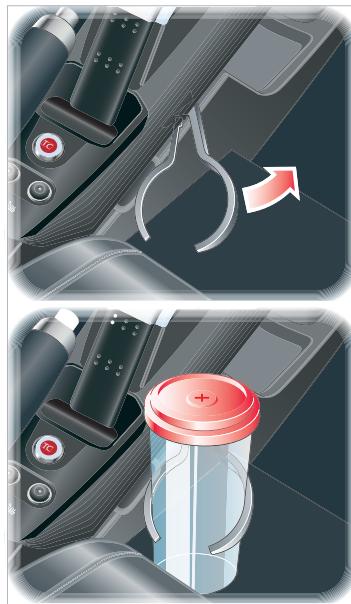
The iPod® connector on the center console is used to connect your iPod® to the audio system and recharge it while in use.

Release the connector from the retaining clip and withdraw the cable from the console. Connect your iPod® and select Aux on the audio system.



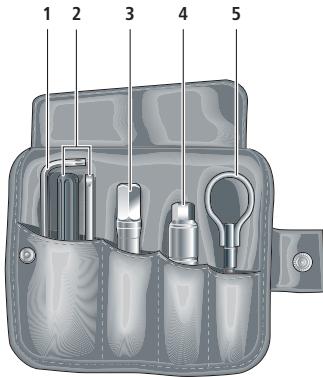
## Cup holder

To use the cup holder, pull it outwards from the side of the center console. The fingers of the cup holder are spring-loaded to hold the cup securely. Open the fingers and insert the cup. The base of the cup should rest on the floor.



## Tool kit

The tool kit is located in the storage space beneath the trunk floor. It contains:



1. Hard-top hex key
2. Screwdriver
3. Wheel bolt extension tool
4. Locking wheel nut adapter
5. Vehicle recovery eye

## Tire pressures

Tire	Recommended pressure
Front	30 PSI (207 kPa)
Rear	40 PSI (276 kPa)

**Note:** For Comfort tire pressures, refer to the Owners Manual.

## Fixing a punctured tire

Your vehicle has no spare tire. If the tire has a puncture less than .2" (5 mm), you can temporarily repair it using the tire sealant aerosol located in the trunk. This allows you to drive less than 30 mph (45 km/h) to the nearest tire repair facility. If damage is more severe, call Roadside Assistance to have the vehicle transported. To use the sealant:

1. Position the wheel (if possible) so that the puncture is at the bottom.
2. Remove the tire's valve cap and clean the valve thread.
3. Vigorously shake the tire sealant for approximately 30 seconds.  
**Note:** In cold conditions, it may be necessary to use the vehicle's heater to warm the aerosol.
4. Screw the filler tube onto the tire valve and break the safety seal.
5. Hold the aerosol upright and turn the knob one-quarter turn clockwise. To stop the process, turn the knob back to 'OFF.'
6. Empty the entire contents of the aerosol into the tire. When the sealant stops flowing through the filler tube, turn the knob to OFF and unscrew the filler tube from the tire valve.
7. If the wheel rim has lifted from the ground, drive immediately for 6 to 12 miles (10 to 20 kms) to distribute the sealant evenly inside the tire. Drive gently to the nearest service station and inflate the tire to the correct pressure. Do not exceed 30 mph (45 km/h).

 **WARNING:** If the wheel rim has not lifted from the ground or the required tire pressure can not be reached, then the tire is too severely damaged. Call Roadside Assistance to have the vehicle transported to a repair facility. **Do not drive!**

At the earliest opportunity, repair or replace the tire. Always inform the tire repair facility that tire sealant has been used because deflation of the tire must be done in a well ventilated area.

**Note:** The sealant can damage the wheel sensor. Therefore, the wheel sensor must be replaced. If a non-Tesla service center replaces the sensor, it must be adjusted by a Tesla Motors service technician.



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