2018 Lexus LC500, LC500h Towing and Road Service Guide

Quality and Education Services
AAA Automotive
1000 AAA Drive
Heathrow, FL 32746
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**Index**

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**Important Notice:**

This publication should not be used while driving. The procedures in this publication should only be used by qualified and trained personnel.

This Road Service Quick Reference Guide was developed to highlight some model-specific information and common procedures for servicing or towing this vehicle. It is not all-inclusive. For complete information: The applicable vehicles owner’s manual and the AAA/CAA Towing and Service Manual should be used in conjunction with this guide.

The procedures recommended and described in this guide are effective methods of performing light service and towing operations. Some of these procedures require the use of auxiliary equipment specially designed for the purpose. The auxiliary equipment should be used when and as recommended and whenever the trained operator deems it appropriate. It is important to read the various WARNINGS, CAUTIONS and NOTES in this manual in order to minimize the risk of personal injury to service personnel and or customers and to avoid procedures which may damage the vehicle or render it unsafe. It is also important to understand that these warnings, cautions and notes are not exhaustive. Neither AAA nor the auto and towing equipment manufacturers could possibly know, evaluate and advise the reader of all conceivable methods of towing or evaluate individual situations. Accordingly, anyone who uses a towing procedure must be thoroughly convinced that neither personal safety nor vehicle safety will be jeopardized by the selected procedure.

AAA is not responsible for changes made by the manufacturers to the vehicles or their recommendations. Important changes in procedures and updates will be furnished to all manual users at AAACampus.aaa.biz.
AAA Towing and Roadside Guide for 2018 Lexus LC500 & LC500h

SPECIFICATIONS:

Dimensions:

<table>
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<tr>
<th>Specifications</th>
<th>LC500</th>
<th>LC500h</th>
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<tr>
<td>Curb weight (pounds)</td>
<td>4,280</td>
<td>4,435</td>
</tr>
<tr>
<td>Drive Line Type</td>
<td>Rear Wheel Drive (RWD)</td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>187.4 inches</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>75.6 inches</td>
<td></td>
</tr>
<tr>
<td>Wheelbase</td>
<td>112.9 inches</td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>52.9 inches</td>
<td></td>
</tr>
<tr>
<td>Fuel</td>
<td>Premium unleaded fuel required</td>
<td></td>
</tr>
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START/STOP (IGNITION) SWITCH OPERATION:

Note: The electronic key must be in the vehicle. When not detected, a message will display on the driver’s display panel.

- **Ignition On-engine Off**: Press the Start/Stop switch 2 times **without** depressing the brake pedal.
- **To start the engine**: Press the Start/Stop switch **while** depressing the brake pedal.

ELECTRONIC KEY/MECHANICAL KEY:

To access the mechanical key, push the release button and take the key out. The mechanical key can only be inserted in one direction, as the key only has grooves on one side. If the key cannot be inserted in a lock cylinder, turn it over and re-attempt to insert it. After using the mechanical key, store it in the electronic key.

Remote Functions
   A  Locks the doors
   B  Unlocks the doors
   C  Opens the windows (press and hold)
   D  Opens the trunk
   E  Sounds the alarm

DOOR LOCKS:

Push the depression on the front edge (1) of the driver’s door handle to unlock the door. Push the depression on the front edge of the passenger’s door handle to unlock both side doors. The outside door handles will be extended. The extended outside door handles are automatically retracted in approximately 60 seconds. The doors cannot be unlocked for 3 seconds after the doors are locked.

Push the rear edge of the extended door handle (2) to lock the doors. If the outside door handles are extended, they will be retracted. After locking the doors, check that the door is securely locked. The door lock indicator light, located on the top of the door panel, will indicate: **Red** for Unlocked / **Green** for Locked.
Using the Mechanical Key:

- Push in the depression on the front edge of the driver’s door handle.
- Pull on the driver’s door handle and insert the mechanical key in the key cylinder located under the door handle.
- Turn the key in order to perform the following operations:
  A   Locks both side doors
  B   Closes the windows (turn and hold)
  C   Unlocks the door
      o Turning the key rearward unlocks the driver’s door. Turning the key once again within 5 seconds unlocks the other door.
  D   Opens the windows (turn and hold)

TRUNK LID RELEASE:

The Following Methods Will Release the Trunk Lid:

- Press the trunk release button on the electronic key.
- With the doors unlocked, press the trunk release button located above the passenger side tail light.
- With the doors unlocked, press the trunk release button located left of the steering wheel.
- A trunk release override is located behind a removable cover in the center of the rear seat. Use the mechanical key to gain access.
HOOD RELEASE:

Opening the Hood:

- Pull the hood release handle located on the lower portion of driver’s side dashboard.

- The secondary hood release lever is located underneath the center of the hood. Release by pulling up on the release arm.
CAR CARRIER LOADING AND TRANSPORTING:

Special Precautions:

- Car carrier equipment is the only authorized method of towing this vehicle. Due to the low profile of the vehicle and the unique construction components utilized to build this vehicle, additional ramping, care and time must be used when transporting.

- The Lexus LC500 has a low ground clearance and a tight approach angle. To avoid damage, additional ramping is required. Clearance at the trailing end of the vehicle should always be monitored when loading.

- When loading or winching DO NOT USE HOOKS OF ANY TYPE ON THE LOWER CONTROL ARMS OR ANY OTHER STEERING OR SUSPENSION COMPONENT. Carefully follow the loading procedures specified in the following pages.

- USE ONLY WHEEL STRAP TIE-DOWNS to secure this vehicle when transporting. The use of chains or hooks will damage under vehicle components.

- There is no override provision to get the transmission into Neutral should there be a failure in the system.

- In an emergency situation where the vehicle will not roll or must be moved for towing access, wheel-jacking equipment, such as GoJaks or tire skates are recommended. Due to the limited ground clearance of this vehicle, some models of GoJaks may not work.
Car Carrier Loading Procedure:

To Install the Eyebolt for Loading:

The towing eyebolt must be used for loading of this vehicle. The eyebolt is located under a removable cover on the passenger side of the rear cargo area.

Remove the eyebolt receiver cover from the bumper by gently applying pressure to one side. If the cover does not come off easily, use a plastic trim tool or a small screwdriver wrapped with a clean, soft cloth to protect the surface as you gently pry the cover off. Use caution not to scratch the surface.

The eyelet has right-hand threads and screws into the receiver clockwise. It fits the receiver in both the front (passenger side) and rear (both passenger and driver’s side) bumpers. Ensure that the eyelet is tightened securely before loading the vehicle.
The eyebolt receiver cover has a plastic tether that holds it to the vehicle when removed from the bumper cover. Remove the assembly completely from the bumper and stow the cover in the vehicle so that it is not lost or damaged during transport.

It is highly recommended to attach a secondary backup nylon strap to the vehicle. This is a precaution in the event the eyebolt attachment should fail. Using a short nylon strap, wrap the lower control arm and attach the other end to the winch line hook. This strap will remain slack and will only be utilized as a securing device if the eyebolt attachment fails.

Attach your winch line hook to the eyelet ensuring there is no contact between the hook and the painted surface. Leave the winch line attached to the installed towing eyelet throughout the loading, transporting and unloading processes.
Utilize as much ramping as required to reduce the approach angle and retain adequate ground clearance at both the front and rear of the vehicle.

Before loading, ensure that the transmission is in Neutral and the parking brake is released. When loading, note that the eyebolt is designed for a straight pull within a 20 degree window. Only load the vehicle onto the bed far enough to safely transport the vehicle. Stop loading when the winch line begins to pull downward. To prevent downward pull you will need to keep the leading edge of the vehicle at least 2 feet from the winch drum (this will vary based on the towing equipment you are using).
When the vehicle is in its loaded position on the flatbed with the bed still in the deployed position, secure the vehicle to prevent it from rolling by chocking the wheels and attaching one wheel strap to the wheel closest to you. Continue to secure the vehicle.

Once the bed is in its transport position and the vehicle is secured to the bed with four wheel strap tie-downs, place the transmission into Park and ensure the parking brake is set to help secure the vehicle during transport.
Clearance around the wheel is limited and careful routing of straps is needed to avoid contacting brake lines and wheel speed sensor wires, especially behind the front wheels. Careful routing of the straps is also important to avoid contact with the painted surfaces of the vehicle.

After securing, slacken the winch line slightly to prevent any downward pull on the towing eyebolt. This will help to prevent damage if bumps are encountered during transport. Ensure that the ignition switch is the OFF position.

**Wheel Dollies/Tire Skates:**

In the event Neutral cannot be selected or a failure with the brake mechanism causes the wheels not to roll, wheel dollies such as “GoJaks” or tire skates can be used to assist with loading the vehicle. Care must be taken when installing tire skates or GoJaks due to the limited clearance around the wheels and between the vehicle and the ground.
SELECTING NEUTRAL:

With your foot off the brake pedal, push the Start/Stop switch two times to select Ignition On mode (the engine will be off, the shift position can be changed to Neutral).

ELECTRONIC PARKING BRAKE:

This vehicle is equipped with an electrically applied parking brake. The system uses a switch located on instrument panel below the Start/Stop switch to send a signal to an electric motor. This applies or releases the parking brake.
TIRES AND JACKING:

This vehicle is not equipped with a spare tire from the factory and jacking in the field should be avoided unless absolutely necessary. Due to the materials used to construct the vehicle and its overall low clearance, extreme care must be taken if jacking needs to occur. The only permissible jacking locations on this vehicle are shown below.

The jack needs to be of the low profile design in order to fit under the vehicle. Use of a rubber pad on the jack saddle is recommended to prevent damage at the contact point of the vehicle.

Place the jack in its proper location. Observe all standard jacking precautions and ensure that the vehicle is on firm, level ground and that the wheels are chocked. As the jack comes in contact with the vehicle body, ensure that it is contacting the correct location on the vehicle. Continue lifting to raise the vehicle high enough to execute the service that needs to be performed.

Tire Pressure:

Proper tire pressure can be found on the tire placard. This is located on the driver’s side door pillar. It is also listed in the owner’s manual.
FUEL SERVICE:

Note: For the LC500h: The fuel tank has a special structure, which requires a reduction in fuel tank pressure before refueling. After the opener switch has been pressed, it will take several seconds until the vehicle is ready for refueling.

Take care not to damage the vehicle’s finish during refueling. The fuel-filler door release is located on the driver’s side of the dashboard. Press the button with the image of the fuel pump to open the fuel filler door.

If the fuel filler door is inoperative due to a discharged battery or other issue, remove the cover in the center of the rear seat and pull the emergency fuel door release.

Caution: LC500h: Using the tab to open the fuel filler door may not allow for an adequate reduction in fuel tank pressure before refueling. To prevent fuel from spilling out, turn the cap slowly when removing it. During refueling, fuel may spill out from the filler opening due to air being discharged from inside the fuel tank. Therefore, fill the fuel tank carefully and slowly.
JUMP-START PROCEDURES:

**Note:** The 12-volt battery is located in the trunk. Only use the under-hood dedicated remote jump pins for boosting or vehicle damage may occur.

The following jump-starting procedures should be followed:
- Follow all normal jump-starting precautions as outlined in other AAA/CAA publications.
- Ensure that all electrical accessories and the ignition switch are turned OFF and the ignition key is removed from the ignition before connecting jumper cables or a jumper box to the discharged vehicle.
- Boost using the remote battery jump pins.