

I've been looking more into suspension setups for my LC so I thought I'd share what I've come across.

## Lowering Springs

### RS-R Ti2000 Down Sus

Approximate Drop

Front: -20mm to -25mm (-0.8in to -1.0in)

Rear: -35mm to -40mm (-1.4in to -1.6in)

Spring Rate

Front: 6.42kg/mm

Rear: 4.07kg/mm



<https://www.rs-r.com/product/lexus-lc500-ti2000-down-sus-springs-2018>

### Tein S.Tech Lowering Springs

Approximate Drop

Front: -1.2in

Rear: -1in

Spring Rate

Front: 5.4kg/mm

Rear: 2.6kg/mm



*My car pictured above*

[https://www.tein.com/srch/us\\_search.php?maker=LEXUS&carmodel=LC500&modelyear=2018%2B&item=default](https://www.tein.com/srch/us_search.php?maker=LEXUS&carmodel=LC500&modelyear=2018%2B&item=default)

## Passive Coilovers

### RS-R Best-i Coilovers

Preset Approximate Height From RS-R

Front: -20 to -25mm

Rear: -20 to -25mm

Maximum Adjustment Ranges

Front: 50 to -130mm

Rear: 35 to -135mm

## Spring Rates

Front: 10.00kg/mm

Rear: 5.00kg/mm

Factory AVS controller disabled



<https://www.rs-r.co.jp/script/itemsearch/index.html?%EF%BC%AC%EF%BC%A3%EF%BC%95%EF%BC%90%EF%BC%90&URZ100&shock>

<https://www.topendmotorsports.com/lexus/lc-1/suspension/coil-overs/rs-r/best-i-coilovers-3039.php>

## Tom's Racing Coilovers

20-stage adjustment

Rear stepless adjustment

Front: 4341/984

Rear: 2628/708 (12th stage)

Spring rate (N/mm):

Front: 100

Rear: 60

Factory AVS controller disabled



TOM'S Racing Coilover Suspension Kit

<https://www.tomsracing.co.jp/sv/products/car/typedetailseng.php?carID=1243&typeID=2431>

## T-Demand Pro-Damper Coilovers

These are highly customizable so there are no standard details.





<https://www.topenmotorsports.com/lexus/lc-1/suspension/coil-overs/t-demand/pro-damper-coil-overs-10438.php>

## Bold World Absolute DS NEXT Coil-Overs

Not much info on these besides:

32-stage type

Basic spring rate upgrade to 26K is available



*Bold World Absolute DS NEXT Coil-Overs*

<https://www.boldworld.co.jp/products/detail/1143>

<https://www.topendmotorsports.com/lexus/lc-1/suspension/coil-overs/bold-world/absolute-ds-next-coil-overs-3489.php>

## Ideal Treuva Adjustable Coil-Over Kit

These are also customizable from my understanding so no basic spring rates available.

36 step adjustable



<https://ideal-japan.net/coilover/treuva>

<https://www.topendmotorsports.com/lexus/lc-1/suspension/coil-overs/ideal/treuva-adjustable-coil-over-kit-5577.php>

## BLITZ Damper ZZ-R Coilovers

32 way adjustable

Spring rate kgf/mm

Front: 10.0

Rear: 5.0

Free spring length mm

Front: 220

Rear: 240

Adjustment range

Front: -80 - 0

Rear: -70 - 0



[https://docs.google.com/document/d/1ZrcWqFuDp0PLDVV9Ys\\_0sR93XB4Q\\_6aN/edit?usp=sharing&oid=114983945380057331465&rtpof=true&sd=true](https://docs.google.com/document/d/1ZrcWqFuDp0PLDVV9Ys_0sR93XB4Q_6aN/edit?usp=sharing&oid=114983945380057331465&rtpof=true&sd=true)  
<https://www.blitz.co.jp/wp-content/uploads/2018/02/2018-0039.pdf>  
<https://www.topendmotorsports.com/lexus/lc-1/suspension/coil-overs/blitz/damper-zz-r-coilovers-3052.php>

## Aragosta Type-P Premium Concept Coilovers

Customizable with rubber mounts or pillow mounts.

Spring rate mm/kgf

Front: 250/12

Rear: 250/6

Adjustment range mm

Front: -35 - +20

Rear: -30 - +20





<http://www.tpl.co.jp/aragosta/type/>

[http://www.tpl.co.jp/sys/wp-content/uploads/2022/02/220228\\_Arago\\_lexus.pdf](http://www.tpl.co.jp/sys/wp-content/uploads/2022/02/220228_Arago_lexus.pdf)

## Active Coilovers

### RS-R Best-i Active Coilovers

Preset Approximate Height From RS-R

Front: -20 to -25mm

Rear: -20 to -25mm

Maximum Adjustment Ranges

Front: 50 to -130mm

Rear: 35 to -135mm

Spring Rates

Front: 10.00kg/mm

Rear: 5.00kg/mm

Factory AVS controller enabled



*RS-R Best-i Active Coilovers*



*RS-R Best-i Active Coilovers*

<https://www.rs-r.com/product/lexus-lc500-2018-besti-active>

## Tein Coilovers

No info - maybe discontinued or custom order? From the photo it looks like an electronically adjustable coilover



<https://www.boostlogic.com/product/lc-500-tein-coilover-suspension/>

## BLITZ Damper ZZ-R DSC Plus Coilovers

Same as BLITZ Damper ZZ-R Coilovers + Electronic damping control module

32 way adjustable

Spring rate kgf/mm

Front: 10.0

Rear: 5.0

Free spring length mm

Front: 220

Rear: 240

Adjustment range

Front: -80 - 0

Rear: -70 - 0



[http://www.blitz.co.jp/products/suspension/damperzzr\\_specdsc\\_plus.html](http://www.blitz.co.jp/products/suspension/damperzzr_specdsc_plus.html)

<https://www.topendmotorsports.com/lexus/lc-1/suspension/coil-overs/blitz/damper-zz-r-dsc-plus-coilovers-11980.php>

## Air Cup Suspension

Bold World Perfume Cup NEXT Coil-Overs with Air Cup Kit x2

32-step damping force adjustment and full-length adjustable vehicle harmonic drive

Air cups adapted to Bold World Absolute DS NEXT coilovers

No spring rate info



<https://www.boldworld.co.jp/products/detail/3993>

<https://www.topendmotorsports.com/lexus/lc-1/suspension/coil-overs/bold-world/parfume-cup-next-coil-overs-with-air-cup-kit-x2-3490.php>

## Bold World Parfume Cup NEXT Coil-Overs with Air Cup Kit x4

Same as above but with a cup on each coilover



<https://www.boldworld.co.jp/products/detail/3993>

<https://www.topendmotorsports.com/lexus/lc-1/suspension/coil-overs/bold-world/parfume-cup-next-coil-overs-with-air-cup-kit-x4-3491.php>

## Aragosta Cup

Same as Aragosta Type-P premium coilovers with x2 air cups for front.

Spring rate mm/kgf

Front: 250/12

Rear: 250/6

Adjustment range mm

Front: -35 - +20

Rear: -30 - +20



<http://www.tpl.co.jp/ragosta/type/>

[http://www.tpl.co.jp/sys/wp-content/uploads/2022/02/220228\\_Arago\\_lexus.pdf](http://www.tpl.co.jp/sys/wp-content/uploads/2022/02/220228_Arago_lexus.pdf)

## Roberuta Lift Systems

### Options

Front air cup system

Front and rear air cup system

Front electromagnetic lifter system

Front and rear electromagnetic lifter system

Requires aftermarket coilovers (not included) to be modified and adapted to the system



<http://www.roberuta.com/domestic>



## Airbag Suspension

### Air Force Air Struts and Air Bags

Aluminium top mount. Kit can be ordered with extras.



<http://www.airforce-sus.com/application.htm#LEXUS>

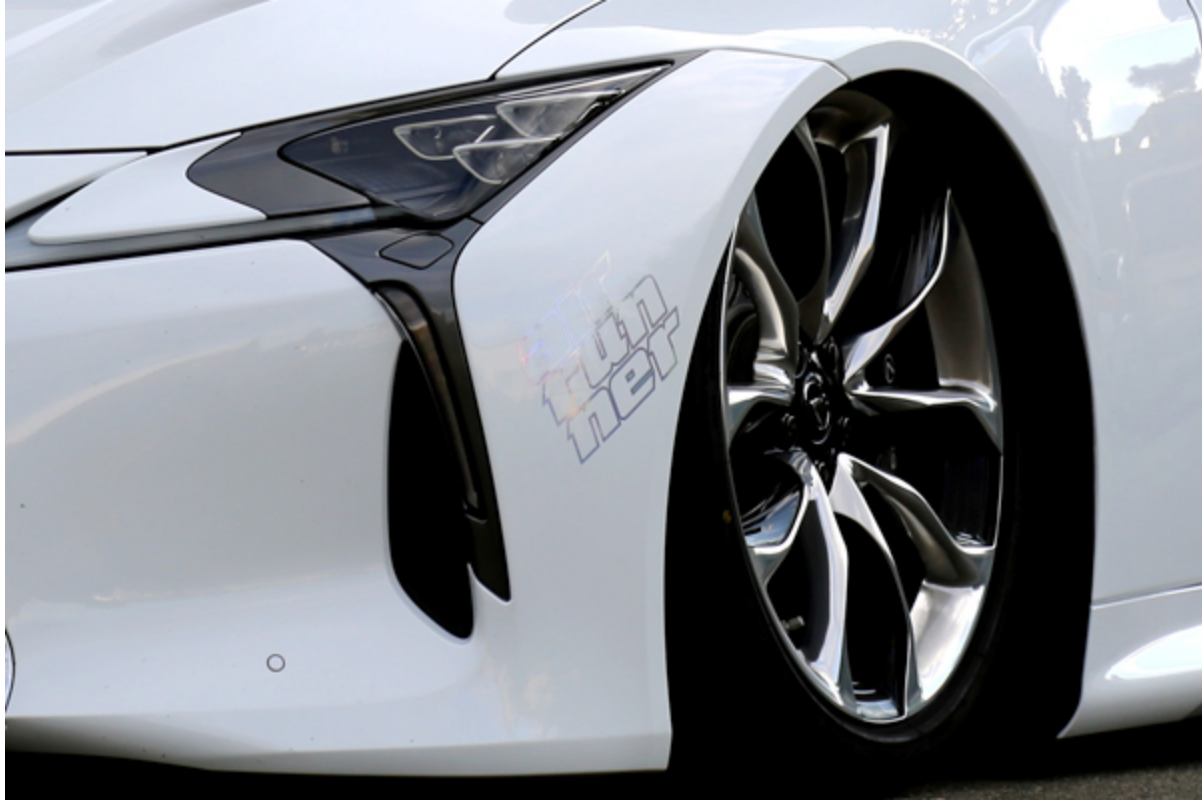
## Air Runner Air Suspension System

40 dial dampening

Adjustment range mm

Front: -655 - +765

Rear: -660 - +770



<https://www.accincjp.com/productjapan/17-1c500/>

## AirREX Air Bag Suspension Struts

No info



<https://www.airrex-global.com/en/a1-15534/LC-Z100-URZ100-18~.html>

## Bold World Ultima Airbag Suspensions

A few models: NEXT, 2 NEXT, GLITTER, ADVANCE, EXIST  
All 32 way damping



[https://www.boldworld.co.jp/products/list?category\\_id=1186](https://www.boldworld.co.jp/products/list?category_id=1186)

<https://www.topendmotorsports.com/lexus/lc-1/suspension/air-ride/bold-world/>

## Ideal Air Suspension Struts and Bags

36 way damping



<https://ideal-japan.net/airsuspension>

<https://www.topendmotorsports.com/lexus/lc-1/suspension/air-ride/ideal/air-suspension-struts-and-bags-front-and-rear-12266.php>

## T-Demand Pro Dampers with Air Sus

T-Demand dampers adapted to airbags. Highly customizable.



[http://www.t-demand.jp/products/prodamper\\_version\\_up.html](http://www.t-demand.jp/products/prodamper_version_up.html)