Tacoma Suspension Installation

ARB OME MT64 (2.5” x 2.5”)

OME UCA, OME Rear Springs 3319
Lower Knuckles, Tie Rod Ends, Rear Sway Links
Timbren ABSTORTNDR Bump Stops

Tools Required

- Impact drill
- Breaker bar
- Torque wrenches 30lbs - 250lbs
- Sockets 10mm, 13mm, 15mm, 14mm, 17mm, 19mm, 21mm, 22mm, 24mm
- Wrenches (+crowfoot) 17mm, 19mm, 21mm, 22mm, 24mm
- Allen Keys - 5mm, 6mm
- Tie rod puller (should not be necessary, tap bolt of tie rod to remove)
- Ball joint separator
- Pry Bar
- Hammer
- Pin punch

Initial Take Down

Remove wheels and lift - place jack stands if needed. Be prepared to support wheel hub after removing tie rod and UCA to avoid excess stress on CV axle

Remove splash guards/skid plates

Undo brake line brackets/attachments - support line if necessary

Loosen LCA cam bolts

Remove lower knuckle bolts

Disconnect sway bar link from LCA

Remove lower shock bolt, LCA will swing down

Take Down : OEM Tie Rod

Remove cotter pin and remove castle nut for tie rod end

Separate tie rod from spindle - tap tie rod bolt to disengage

Mark position of jam nut and then loosen

Unscrew tie rod end - note position and count number of turns - write this down

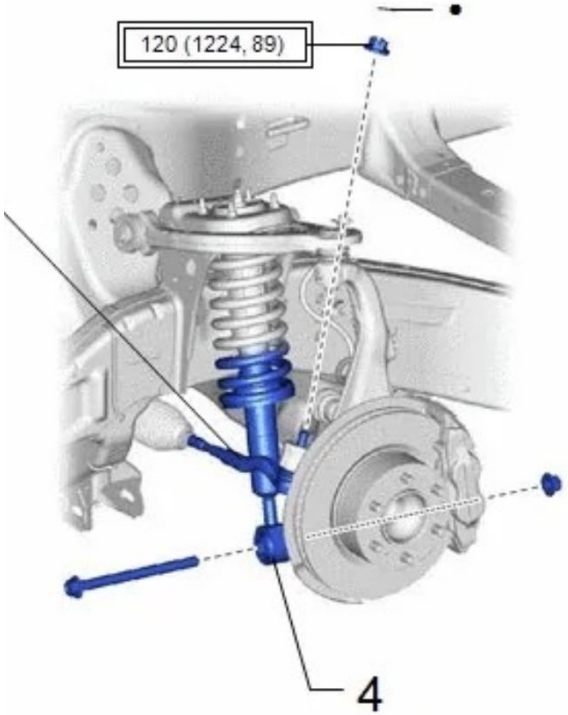
Install : TRD Tie Rod

Screw in TRD Tie Rod - refer to counted turns

Tighten jam nut - snug

Insert TRD tie rod end to upper knuckle

Place castle nut and torque to **89 ft lbs** -
place cotter pin and secure



Take Down : Shock and UCA

Remove top hat bolts and remove stock shock

Remove cotter pin and loosen UCA castle nut - Do not remove

Hammer spindle side to get UCA to disengage

Remove castle nut

Move spindle to side and secure to frame with bungee (support wheel hub?)

Take Down : Remove UCA

Disconnect intercooler piping - drivers side. Will prevent long bolt from coming out

If still unable to get bolt out (it should come out) (2 options)

- Move intercooler
  - Remove painted upper bracket
  - 2 10mm bolts
  - Gently lift up ½”-1”
- Jack body (possibly engine) mount with wood block to lift entire structure

Install MT64 and Lower Components

Orient MT64 shock correctly and thred top 4 nylock nuts - torque to **35 ft lbs**

Swing LCA into position and secure lower shock body - torque later

Tighten LCA cam bolts - torque later **(207 ft lbs)**

Attach and tighten sway bar link - torque later (**103 ft lbs**) (May need crowfoot)

Remove/Replace Lower Knuckle

Cotter pin and castle nut from LCA

Separate lower knuckle with ball joint tool

Replace with TRD Lower Knuckle - Castle nut and cotter pin - tight

Install OME UCA

Follow instructions that come with UCA

Be mindful of brake relocation brackets. One comes off the spindle per instructions

May need zip ties for brake line on UCA

Insert into spindle and torque castle nut to **92 ft lbs.** OK to do while lifted

FINALIZE FRONT

Torque lower knuckle vertical bolts to **221 ft lbs.** OK to do while lifted

Make sure brake lines are secure, wrench tight is all you need

GO ON TO REAR INSTALLATION BEFORE LOWERING AND TORQUING

Check torque of top hat (**35 ft lbs**)

Torque UCA to **136 ft lbs** (hold bolt with wrench, hold nut with torque wrench)

Torque lower shock bolt to **133 ft lbs** (torque from nut side, not bolt side)

Torque LCA cam bolts to **207 ft lbs**

Check torque lower knuckle vertical bolts (**221 ft lbs**)

Torque LCA castle nut to knuckle (**117 ft lbs**)

Torque front sway bar links to LCA (**103 ft lbs**)

Rear Suspension Take Down (x2)

Remove upper and lower strut bolts and remove strut

Remove sway bar link

Be careful of brake lines, remove brackets to gain optimal articulation for spring install

Remove rear spring

Remove OEM bump stop

Rear Suspension Installation

With max articulation of axel, install new springs. Will likely need to jack up one side to get each spring in place, especially second spring

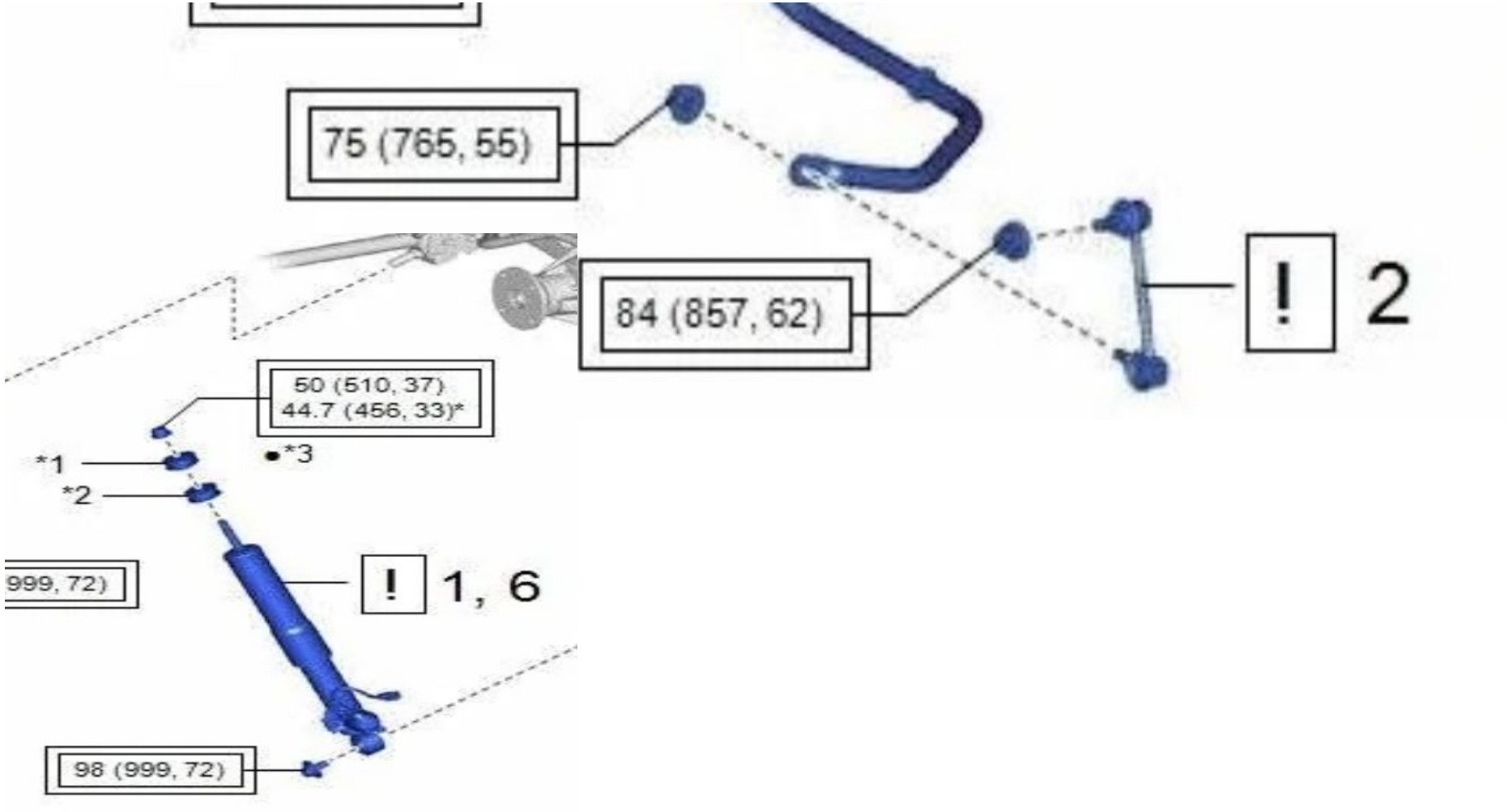
Install Timbren bump stops

Install strut upper and lower being mindful of position of bushings and strut guard (Upper **37 ft lbs**, Lower **72 ft lbs**)

LOWER TO RIDE HEIGHT

Install sway bar links. Keep sway bar level with frame and adjust link length

Torque sway bar side **55 ft lbs**, body side **62 ft lbs** (May need crowfoot)


75 (765, 55)
84 (857, 62)
! 2
50 (510, 37)
44.7 (456, 33)*
*1
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*3
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999, 72)
98 (999, 72)

FINALIZE EVERYTHING UP FRONT

WHEN LOWERED TO RIDE HEIGHT

Check torque of top hat (**35 ft lbs**)

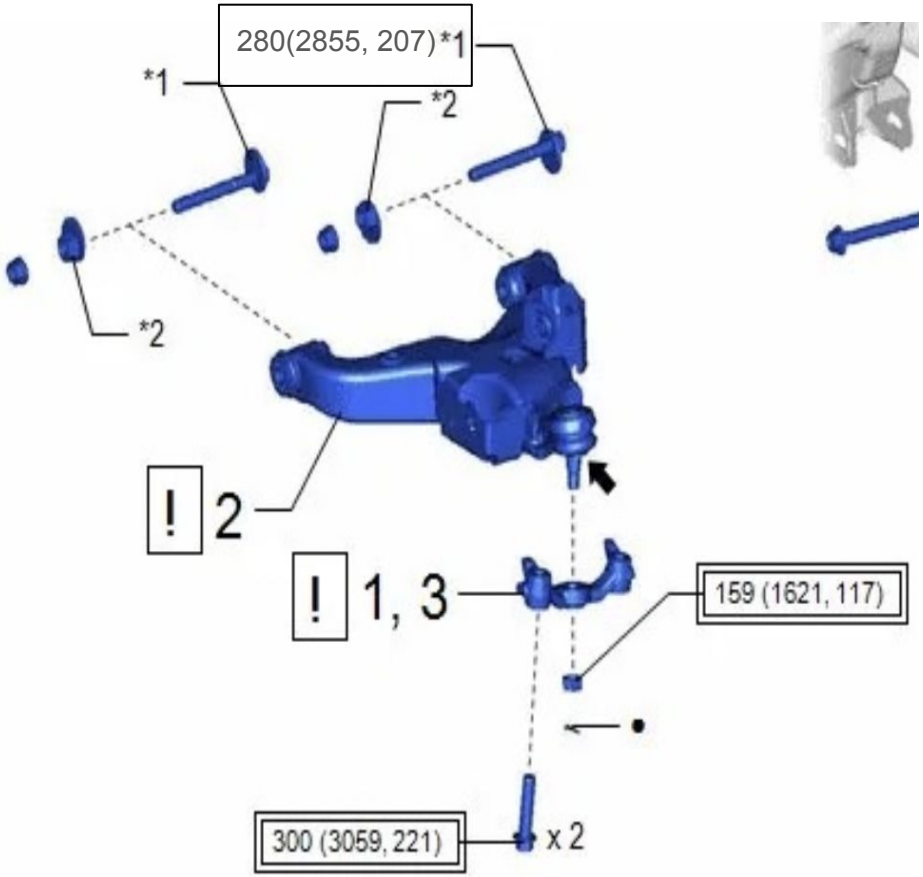
Torque UCA to **136 ft lbs** (hold bolt with wrench, hold nut with torque wrench)

Torque lower shock bolt to **133 ft lbs** (torque from nut side, not bolt side)

Torque LCA cam bolts to **207 ft lbs**

Check torque lower knuckle vertical bolts (**221 ft lbs**)

Torque LCA castle nut to knuckle (**117 ft lbs**)


280(2855, 207)*1
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! 2
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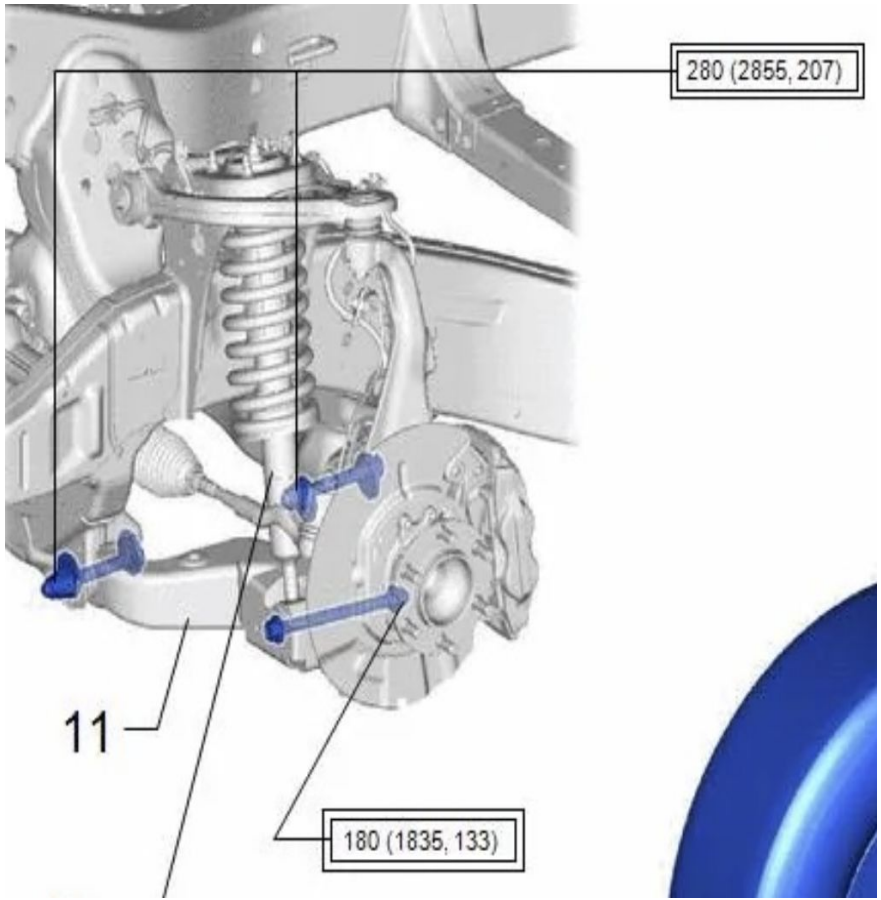
159 (1621, 117)
300 (3059, 221)
x 2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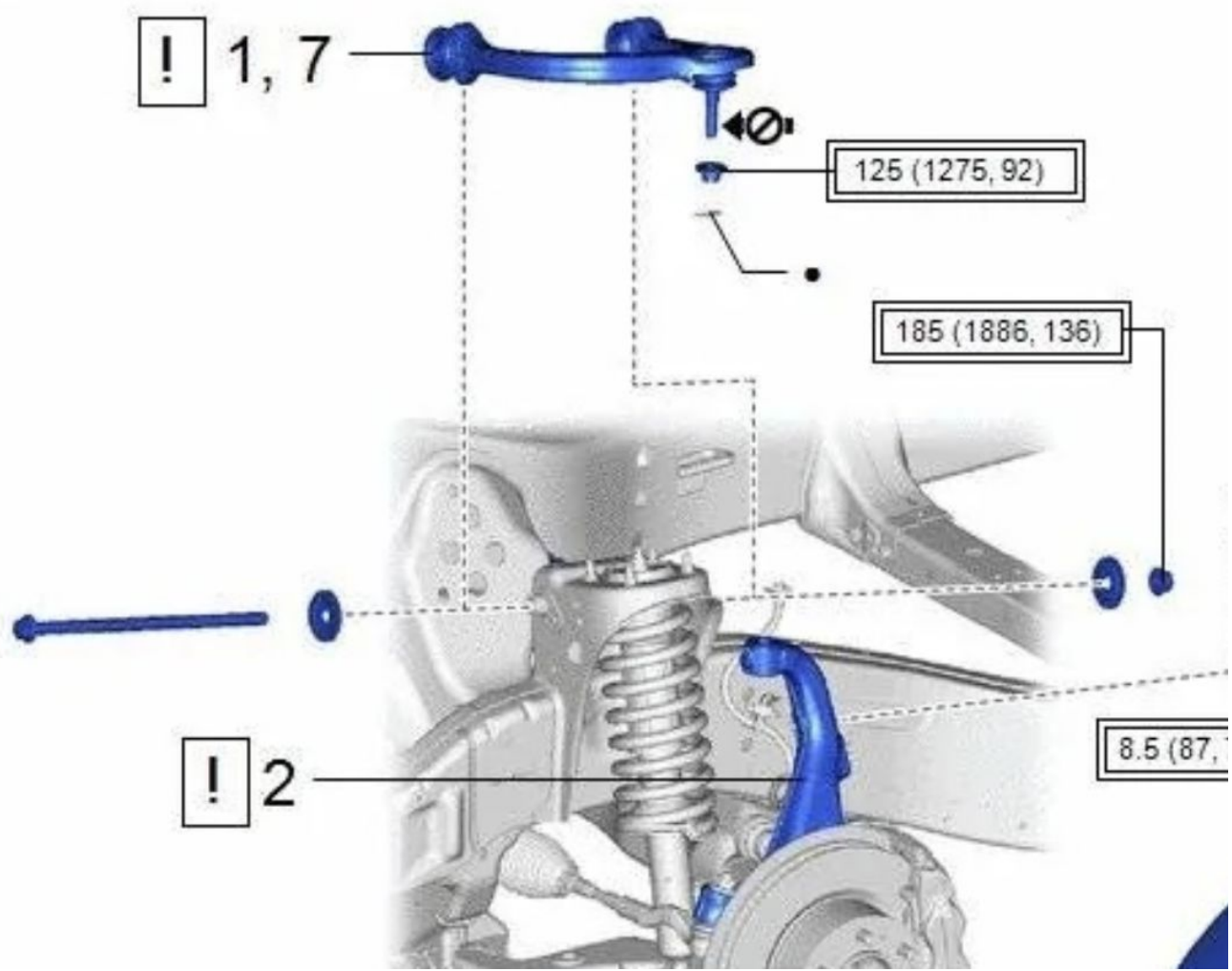
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185 (1886, 136)
8.5 (87,
! 2