

2013-2018 Toyota RAV4 | Advanced | 2-3 hours | \$250 DIY

TOOLS

14mm Wrench 15mm Wrench Torque Wrench
Hammer Socket Extensions 14mm Socket
Rust Penetrant 15mm Socket Pry Bar
17mm Socket

PARTS

Front Left Complete Strut & Coil Spring
Assembly AutoShack 3745143050 \$81.03
Front Right Complete Strut & Coil Spring
Assembly AutoShack 3745143051 \$81.03
Front Left Strut Mount Toyota 48510-42010
\$30.00
Front Right Strut Mount Toyota 48520-42010
\$30.00
Front Sway Bar Link Toyota 48810-42010
\$20.00

STEPS

- 1 Loosen lugs and support the vehicle - On level ground, crack the front wheel lug nuts** loose on the 2013-2017 Toyota RAV4 2.5L while the tire is on the ground. Chock the rear wheels, jack the front at the approved lift point, and support with jack stands rated for the vehicle....
- 2 Support the knuckle and disconnect links - Place a jack or stand under the lower control** arm/knuckle to support it. Disconnect the sway-bar end link and any ABS/brake-hose brackets attached to the strut on the 2013-2017 Toyota RAV4 2.5L. Do not let the brake hose or ABS wire stretc...
- 3 Separate the strut from the knuckle - Remove the strut-to-knuckle pinch bolt(s) or bolts.** If stuck, apply penetrant and carefully tap the knuckle ears - do not hammer the threads. Lower the knuckle slightly to free the strut tube. Note orientation of any camber bolts/eccentr...
- 4 Unbolt the upper mount and remove the strut - Open the hood and remove the upper** strut-mount nuts (usually three). Support the strut so it cannot fall. Lower and remove the complete strut assembly from the wheel well. Compare the new unit to the old one before installing on the 2013-2...
- 5 Install the new strut assembly - Guide the new strut (or cartridge/spring assembly if** rebuilt) into place. Start the upper mount nuts loosely, then seat the strut into the knuckle. Install knuckle bolts in the original orientation and tighten to the specified torque. Reat...
- 6 Torque upper nuts, reinstall wheel, and align - Torque the upper mount nuts to spec.** Reinstall the wheel and torque lugs in a star pattern with the vehicle on the ground. Bounce-test and road-test the 2013-2017 Toyota RAV4 2.5L for noise. Get a professional alignment - strut work chan...

TORQUE

Upper strut mount nuts 70 Nm 52 ft-lbs
Lower strut pinch bolt 226 Nm 167 ft-lbs
Wheel lug nuts 103 Nm 76 ft-lbs