

2020-2024 BMW 3-Series | Advanced | 2-3 hours | \$460 DIY

TOOLS

Floor Jack Jack Stands 17mm Socket
18mm Socket 21mm Socket Torque Wrench
Pry Bar Channel-Lock Pliers T40 Socket
8mm Socket

PARTS

Front Lower Control Arm with Ball Joint
\$170.00
Front Lower Control Arm with Ball Joint
\$170.00
Front Sway Bar Link TRQ PSA28928 \$30.00
Front Outer Tie Rod TRQ PSA28929 \$50.00
Front Inner Tie Rod TRQ PSA28930 \$40.00

STEPS

- 1 Safely raise and support the vehicle - Park on level ground, loosen the wheel lug nuts** slightly, then raise the 2020-2024 BMW 3 Series 330e xDrive and support it on jack stands. Remove the wheel. Place a jack under the lower control arm or knuckle as needed to support spring lo...
- 2 Mark alignment references and free the ball joint - On the 2020-2024 BMW 3 Series 330e xDrive:** mark cam bolts or eccentric washers if present so you can approximate alignment on reassembly. Remove the cotter pin/nut and separate the ball joint from the knuckle with a pickle fork or ball-joi...
- 3 Unbolt bushings and remove the control arm - Remove the inner control-arm bushing** bolts/nuts at the subframe. Lower the arm carefully out of the 2020-2024 BMW 3 Series 330e xDrive. Note bolt orientation and any washers or flags that must go back the same way.
- 4 Compare the new control arm - On the 2020-2024 BMW 3 Series 330e xDrive:** compare ball-joint taper, bushing style, and mounting holes to the old arm. Transfer any reusable sensors, brackets, or sway-bar end-link hardware only if the new arm is not fully loaded. Inspect...
- 5 Install the new arm and torque fasteners - Position the new control arm, start all bolts** by hand, reconnect the ball joint, and torque fasteners to spec. Where bushings must be torqued at ride height, lower the 2020-2024 BMW 3 Series 330e xDrive onto supports or a jack under the ar...
- 6 Reinstall the wheel and get an alignment - Reinstall the wheel, torque lug nuts in a star** pattern, and lower the 2020-2024 BMW 3 Series 330e xDrive. Check for clunks on a short drive, then have a professional four-wheel alignment performed - control-arm work changes camber/caster.