2017-2024 Alfa Romeo Giulia - Replace Brake Pads

2017-2024 Alfa Romeo Giulia | Advanced | 2-3 hours | $175 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Torque Wrench C-Clamp Socket Wrench Lug Wrench Brake Cleaner Rubber Mallet

PARTS

Front Brake Pads SBC21 $150.00
Brake Fluid $10.00
Brake Cleaner $5.00
Caliper Bolts $10.00

STEPS

1. **Loosen lugs and raise the vehicle - 2021-2022 Giulia GTA (540 hp 2.9L V6) - not the base** Giulia. Brembo front brakes with 164.5 x 81.4 x 16mm pads. Verify you have a real GTA; parts differ. Loosen lugs, jack up, support with stands.
2. **Remove the wheel - Remove the front wheel and verify you have a real GTA - the Brembo** calipers should be prominent. GTA pads measure 164.5mm; if yours measure 114.5mm, you have a base Giulia, not a GTA. Check for wear sensors.
3. **Remove the caliper - Remove the Brembo fixed caliper mounting bolts - the GTA's Brembos** are fixed multi-piston, not floating. Support the heavy caliper with wire; never hang it by the hose. Lift it off the rotor and note the pad arrangement.
4. **Remove old pads and hardware - Remove the 164.5 x 81.4 x 16mm pads - performance compound** (friction 0.46, rated to 600C). Inspect the large Brembo rotors for minimum thickness; these brakes are expensive - replace only if needed. Clean the abutments; pistons shoul...
5. **Compress the piston - Retract the opposed pistons in the Brembo fixed caliper evenly -** use a multi-piston tool or work carefully. Open the reservoir cap and don't cock the pistons. If seized, the caliper needs professional service - Brembos aren't DIY rebui...
6. **Clean and install hardware - Clean the Brembo caliper and install the new 164.5mm** GTA-specific pads - the Brembo compound, not base Giulia pads. Pads must be ECE R90 compliant. Install new hardware and ensure the pads seat correctly in the fixed caliper. Don't subst...
7. **Install new pads and caliper - Position the Brembo caliper over the rotor with the new** 164.5mm pads. Reinstall the mounting bolts to Alfa spec, centered. Pump the pedal to seat the pads - multiple pistons take several pumps. Verify 164.5mm, not 114.5mm base.
8. **Refit wheel and pump the pedal - Reinstall the wheel and torque to Alfa spec. Lower the** GTA. Bed the Brembo pads per the performance procedure - critical on the 540-hp GTA. Test drive and verify no warning lights. The real GTA is 2021-2022 only.

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