

FRONT SPINDLE – FITMENT & TECHNICAL NOTES

Applicable Product:

Proforged 2.50" Drop Spindles PN: 221-10015 (Heavy Duty Brake Package)

Proforged 2.50" Drop Spindles PN: 221-10016 (Light Duty Brake Package)

Vehicle Coverage:

- 1973–1987 Chevrolet C10/R10 2WD
- 1973–1987 GMC C15/R15 2WD
- 1973–1991 Chevrolet C10 Suburban 2WD
- 1973–1982 Chevrolet Blazer 2WD

Technical Reference Only

- This document does not provide step-by-step installation instructions.
- All component removal and installation must follow applicable factory service manual procedures, except where specific deviations or fitment notes are identified in this document.
- Unless otherwise noted, Proforged components are designed to be installed with OEM service procedures.

Purpose & Scope

This document:

- Provides technical reference information for Proforged front spindle components.
- Highlights known fitment considerations, OEM deviations, and specification references.
- Is intended to supplement factory service information, not replace it.

Before You Begin

- Proforged PN 221-10015 and PN 221-10016 are designed to lower the front ride height approximately 2.50" inches compared to factory spindles.

Wheel Fitment

- These spindles are designed for use with 15" and larger wheels.
- Due to variances in wheel design, wheel width, offset, backspacing, brake packages, and suspension configuration, fitment must be verified before installation.
- Wheel and tire clearance must be considered before disassembly. Some combinations will require additional clearance checks or minor modifications.
- Examine all clearances between the wheel, spindle, suspension components, brake components, and body before final assembly.

- Rotate the wheel through its full steering lock and suspension travel to confirm clearance.
- Not all wheel and tire combinations can be tested or validated.

KEY TECHNICAL NOTES

Brake Package Identification

- Two spindle variants are available to accommodate OE-style light-duty and heavy-duty disc brake configurations.
- PN 221-10016 is intended for applications that utilize a 1.00" thick front brake rotor (Light Duty Brake Package).
- PN 221-10015 is intended for applications that utilize a 1.25" thick front brake rotor (Heavy Duty Brake Package).
- Light-duty and heavy-duty brake applications utilize different brake rotors, wheel bearings, and brake caliper components.
- Make sure that the spindles you intend to install match the brake package installed in the vehicle.
- If you switch to a different brake package, you must also install the matching brake rotor, wheel bearings, caliper components, and spindle. All components must be used together as a complete, compatible system.
- Verify brake package configuration before installation.

Lower Control Arm Clearance

- Verify wheel-to-control-arm clearance through the full range of steering travel before the vehicle is operated.
- It is common industry practice to trim the control arm lip to achieve additional wheel clearance. However, Proforged has not evaluated the structural effects of factory control arm modification.
- Any modification of OEM suspension components is performed at the installer's discretion and responsibility.
- Do not remove material from structural portion of the control arm.

QUICK TORQUE REFERENCE

COMPONENT	TORQUE VALUE	INSTALL NOTES
Upper Ball Joint Nut	50 lb-ft	Torque, then advance nut to nearest slot and secure with a cotter pin
Lower Ball Joint Nut	90 lb-ft	Torque, then advance nut to nearest slot and secure with a cotter pin
Tie Rod End Nut	45 lb-ft	Torque, then advance nut to nearest slot and secure with a cotter pin
Brake Caliper Fasteners	37 lb-ft	Use OEM hardware
Tie Rod Adjusting Sleeve Clamp Bolts	22 lb-ft	Temporary toe adjustment only
Wheel Bearing Spindle Nut	See OEM Service Manual	Follow OEM wheel bearing adjustment and preload procedures
Wheel Lug Nuts	Refer to wheel manufacturer specifications	Final torque performed on the ground

Important Notes & Disclaimers

- The installation of suspension and steering components requires basic mechanical knowledge of automobiles.
- An alignment is required after the drop spindle is installed.
- Periodically examine all fasteners and verify torque values after installation.
- Examine wheel, tire, steering, brake, and suspension clearances after installation.
- Vehicle condition and prior modifications can affect parts fitment and final installation results.

PROFORGED MILLION-MILE LIMITED WARRANTY

Warranty Coverage: Proforged warrants its steering and chassis components to the original purchaser to be free from defects in material and workmanship for 1,000,000 miles, provided the product is registered at proforged.com/warranty-registration within 90 days of purchase.

Exclusions: This warranty will not apply if the product has been installed on a vehicle used primarily for racing, competition, or off-road purposes, subjected to misuse, neglect, abuse, accident, improper installation, altered, modified, or repaired with non-genuine Proforged components, damaged by unrelated vehicle issues or external causes beyond normal road use, or affected only by cosmetic blemishes or normal wear not impacting function.

Remedy: If a registered product fails due to a defect in material or workmanship under normal use, Proforged will replace it with the same or an equivalent product. Coverage applies to product replacement only. Refunds, labor charges, or other associated costs are not included.

Limitation of Liability: Proforged shall determine whether a product is defective or qualifies under this warranty. Liability is limited to replacement (or refund in rare cases). Proforged shall not be liable for indirect, incidental, consequential, special, exemplary, or punitive damages, loss of use, inconvenience, commercial loss, or loss of time. In no event will liability exceed the purchase price of the defective product. All warranty obligations, terms, and conditions are subject to amendment, change, or discontinuation at Proforged's discretion at any time without notice.

State Laws & Other Rights: Some states (or jurisdictions) do not allow exclusion or limitation of incidental or consequential damages or implied warranties, so those exclusions or limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary by state.

