

FRONT SPINDLE – FITMENT & TECHNICAL NOTES

Applicable Product:

Proforged 2" Drop Spindles PN: 221-10020

Proforged Stock Height Spindles PN: 221-10019

Vehicle Coverage:

- 1974–1978 Ford Mustang II
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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.
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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.
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Before You Begin

- Proforged PN 221-10020 is designed to lower the front ride height approximately 2 inches compared to factory spindles.
 - Proforged PN 221-10019 retains the factory ride height.
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Wheel Fitment

- Drop spindles are designed for use with 15" and larger wheels.
- Due to variances in wheel design, caliper and spindle clearance must be verified before installation.
- When aftermarket brake packages are used, larger-diameter wheels will possibly be required.
- Wheel and tire clearance must be considered before disassembly. Some combinations will require additional clearance checks or minor modifications.
- Examine the brake hoses, steering components, suspension, and wheels for adequate clearance through the entire range of steering and suspension movement.

KEY TECHNICAL NOTES

Ball Joint Compatibility

- When some aftermarket ball joints and/or aftermarket control arms are used, a spacer is often required between the castle nut and spindle.
 - The spacer makes sure there is proper alignment of the cotter pin hole with the castle nut slots.
 - Examine for adequate thread engagement and proper cotter pin installation during final assembly.
 - Spacers, if required, are not included.
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Lower Control Arm Clearance (221-10020 Drop Spindle Only)

- When the PN 221-10020 drop spindle is installed on vehicles equipped with factory stamped steel lower control arms, interference can occur between the brake rotor and the outer flange of the lower control arm near the lower ball joint.
 - Trim only the stamped outer flange as required to provide clearance.
 - 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 the structural portion of the control arm.
 - Examine for clearance through full steering travel and suspension movement after modifications.
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Brake Hose Clearance (221-10020 Drop Spindle Only)

- Due to the modified spindle geometry, the caliper position is altered relative to the factory brake hose mounting location.
 - Some applications will require a modified or aftermarket brake hose to achieve proper routing and adequate component clearances.
 - Examine the brake hose length, routing, and clearance throughout the full range of steering travel and suspension movement before vehicle operation.
 - Make sure that the brake hose is not stretched, kinked, twisted, or in contact with movable suspension or steering components.
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Brake Compatibility

- Compatible with factory Mustang II disc brake systems.
 - Compatible with aftermarket brake systems designed for Mustang II spindle applications.
 - Make sure there is sufficient caliper-to-wheel clearance before final assembly.
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Fastener Torque Specifications

- Follow the applicable factory service manual torque specifications and procedures for all steering, suspension, brake, and wheel bearing fasteners.

- When aftermarket suspension, steering, brake, or wheel components are used, follow the component manufacturer's recommended torque specifications and installation procedures.
- Follow the OEM wheel bearing adjustment and preload procedure for the wheel bearing's spindle nut.

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.
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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.

