



FORD PERFORMANCE
PARTS & ACCESSORIES

**Bronco Off-Road
Performance Upgrades**



Bronco® Off-Road Performance Drivetrain Upgrades



Enhance the off-road performance of any 2021+ Bronco with these drivetrain updates. These Ford Performance Parts products are designed to help improve the off-road capabilities of your Bronco.

- Designed and engineered specifically for your Bronco
- Most are simple, bolt-in, direct fit installations

For more information visit our [website](https://performanceparts.ford.com).

Always consult the Owner's Manual before off-road driving, know your terrain and trail difficulty, and use appropriate safety gear.

performanceparts.ford.com



Bronco® M210 Painted Half Shaft Kit

OE production front half shafts are essential when changing from an M190 to M210 Front Drive Unit (FDU). These kits provide outstanding efficiency for enthusiasts who wish to upgrade their vehicle's front drive unit. Painted for added corrosion resistance.

Kit Includes:

- LH painted half shaft
- RH painted half shaft
- Axle hub nuts
- M210 half shafts are required when updating an M190 FDU to the M210 FDU



Part Number: M-3429-BR – M210 Standard Half Shafts

NEW! Bronco M210 Upgraded Painted Half Shaft Kits

These premium, high-strength alloy axle shafts provide added strength and more articulation for extreme off-roading.

- Constructed of high-strength materials for severe service
- Painted for added corrosion resistance

Kit Includes:

- LH painted half shaft
- RH painted half shaft
- M210 half shafts are required when updating an M190 FDU to the M210 FDU
- Axle hub nuts



Part Numbers: M-3429-BU – M210 Upgraded Half-Shafts, M-3429-WU – Bronco Raptor® Upgraded Half-Shafts

Bronco M210 Front Drive Units

Ford Performance M210 Front Drive Units (FDUs) provide a performance upgrade from traditional open differential FDUs, offering greater stability and traction when navigating tough terrain. The electronic locking differential allows for higher torque to be applied to the wheel, minimizing wheel spin and slippage.

- Large 210mm diameter ring gear is rated 6500 Newton-meters
- Multiple gear ratios available to suit various conditions
- Additional parts and performance programming may be required when changing ratios
- Not compatible with Bronco Raptor



Part Numbers: M-3002-446BF, M-3002-470BF, M-3002-488BF, M-3002-513BF and M-3002-538BF



Bronco® M210 Front Drive Shaft

Ford Performance OE production front drive shaft for the Bronco M210 front drive unit.

- Fits 2021-2025 Broncos with M210 front drive unit
- Connects the transfer case to the front drive unit
- **Required** when updating M190 front drive unit to M210 front drive unit

Part Number: M-4376-BR



Bronco M210 Front Drive Unit Ring and Pinion

This direct-fit upgrade for the M210 front axle uses premium-quality steel for excellent durability. This quality gear set is designed as a genuine Ford Performance replacement part and is compatible with the M-4210-D installation kit.

- Fits 2021-2025 Bronco M210 front drive unit
- Production gear ratio from the Bronco Sasquatch® package
- For complete drop-in front drive units see M-3002-***BF
- M-4210-D installation kit required
- Includes pinion nut and crush sleeve
- Utilizes production M210 case half
- Professional installation required
- Not compatible with Bronco Raptor®



Part Numbers: M-4209-470BF, M-4209-488BF, M-4209-513BF, M-4209-538BF

Bronco M210 FDU Ring and Pinion Installation Kit

When swapping gear ratios, having the right hardware is important for installation. This Ford Performance Front End Ring and Pinion Installation Kit is a direct-fit replacement for M210 Front Axles.

Kit includes:

- Front & rear pinion bearings and cups
- Carrier bearings and cups
- Assortment of pinion & carrier bearing shims
- Pinion nut, crush sleeve and oil seal
- (10) Ring gear mounting bolts
- Gear marking compound with brush
- RTV sealant for case



Part Number: M-4210-D

IMPORTANT NOTE: Front and rear axle ratios MUST be the same.



Bronco® M210 FDU Upgrade Kit

Upgrade your Bronco gears with the Ford Performance M210 FDU upgrade kit with 5.13 or 5.38 gears. The high numerical ratios will enhance your vehicle's on-road and off-road performance.

This comprehensive kit offers a seamless factory-like experience and improves your current setup.

- Fits Bronco with M210 front drive unit
- OE supplier M-4209-513BF or M-4209-538BF ring/pinion
- M-4210-D installation kit
- Dana Ultimate M210 case half
- Professional installation recommended
- M-9603-B23 or M-9603-B27 required for speedometer and module reconfiguration
- For complete drop-in front drive unit see M-3002-513BF or M-3002-538BF
- Not compatible with Raptor®

Part Numbers: M-3001-513KIT/ M-3001-538KIT



Bronco Severe Duty Steering Upgrade Kit

Upgrade your Bronco off-road capability with an all-new, complete, ready-to-install Steering Gear from Ford Performance Parts.

Featuring a higher torque motor and improved and reinforced steering gear casing from the Bronco Raptor, stronger inner tie rods with improved articulation, and reinforced outer tie rods with increased deflection ball joints. Significantly reduces steering effort in various off-road conditions.

- Requires Ford Pro-Cal 4 to program and configure the steering gear
- 2.7L Bronco with Performance Tune - M-9603-B27
- 2.3L Bronco with Performance Tune - M-9603-B23
- Requires Ford Pro-Cal 4 tool to program and configure the steering gear – available with: M-9603-B27 or M-9603-B23 Performance calibrations. Or available separately as M-12655-F
- Steering upgrade kit includes Pro-Cal voucher for steering gear calibration



For most up-to-date fitment information, [click here](#).

Part Number: M-3200-WT



Bronco® E-locker Wiring Kit

A Ford Performance E-locker Wiring Kit is required when adding electronic locking differentials to your 2021-2025 Bronco.

- Features high quality OEM connectors
- Required when adding Ford Performance E-locker FDU or rear axle if not originally equipped
- Contains wiring and switch for one E-locker
- Not intended for use with the Bronco factory auxiliary switch panel
- Works with Bronco E-locking M210 FDUs and M220 Rear Axle Assemblies



Part Number: M-14489-BR

Bronco M220 Rear Axle Assemblies with Electronic Locking Differential

Ford Performance E-locking M220 Rear Axle Assemblies are compatible with factory brake components and feature a direct-fit, bolt-in installation for convenience. Great for improving control and traction when off-roading.

- Complete bolt-in rear axle housing with multiple ratios available
- Compatible with factory brake components including calipers and pads
- Axle shafts and brake rotors included
- Additional parts and performance programming may be required when changing ratios
- Not compatible with Bronco Raptor®



Part Numbers: M-4000-446B, M-4000-470B, M-4000-488B, M-4000-513B and M-4000-538B

IMPORTANT NOTE: Front and rear axle ratios MUST be the same.

Bronco/Ranger® M220 Rear Ring Gear and Pinion

Ford Performance M220 Rear Ring and Pinion Set is a high-quality replacement designed for the M220 rear axle with an electronic locking differential. It offers exceptional durability and performance.

- Fits 2021-2025 Bronco rear axles
- Fits 2019-2023 Ranger rear axles
- OEM quality gear set
- Utilizes M-4210-R installation kit
- Not compatible with Bronco Raptor



Part Numbers: M-4209-446, M-4209-470, M-4209-488, M-4209-513 and M-4209-538



Bronco®/Ranger® M220 Rear End Ring and Pinion Installation Kit

The Ford Performance Ring and Pinion Installation Kit includes everything you need to install new ring and pinion gears into the M220 rear axle. Along with the pinion and carrier shims, a new cover gasket and a gear-marking compound are included for your convenience. Kit includes:

- Pinion and carrier shims
- Pinion bearings and races
- Pinion nut, crush sleeve and pinion seal
- Ring gear bolts
- Carrier bearings
- Gear-marking compound
- Cover gasket

Part Number: M-4210-R



Bronco M220 Rear Axle Outer Bearing/Seal Kit

This kit is necessary when changing axles and recommended when changing gear sets. When you change the axle shafts or replace the gear set in your rear end it is recommended that your outer bearing and seal be replaced. Ford Performance accommodates this need with our Rear End Outer Bearing and Seal Kit for M220 rear axles.

Kit includes:

- (2) axle bearing assemblies and bearing retainers
- (2) outer axle seals
- (2) oil seal retainers
- (2) ABS tone rings
- (8) axle bearing retainer nuts
- Not compatible with Bronco Raptor®

Part Number: M-1225-C





Bronco® M220 HD Rear Axle Differential Cover

Protect and upgrade the look of your rear axle with the Ford Performance Parts heavy duty differential cover. Designed specifically for the M220 rear differential, this cover is made from robust cast-iron for outstanding durability. The package includes all necessary fasteners and a gasket for easy installation. The cover features a durable powder-coated finish and Ford Performance branding, ensuring both protection and style.

- Rugged cast iron construction
- Stylish Ford Performance branding
- Durable powder-coat finish
- Includes new fasteners and gasket
- Note - For Bronco Raptor® M235 rear axle please use M-4033-DR

Part Number: M-4033-BR, M-4033-DR
(fits Bronco Raptor)



M-4033-BR



M-4033-DR

Bronco M220 Rear Trac-lok Differential

Ford Performance Traction-Lock differential uses the same advanced technology as the Sasquatch® package. This unit provides remarkable traction and control for on- and off-road driving and is essential for replacing the 3.73 open differential with a welded ring gear.

- Required when replacing the 3.73 open differential w/welded ring gear
- Installation kit M-4210-R required
- For M220 gears see M-4209-446, M-4209-470, M-4209-488, M-4209-513, M-4209-538

Part Number: M-4204-BR



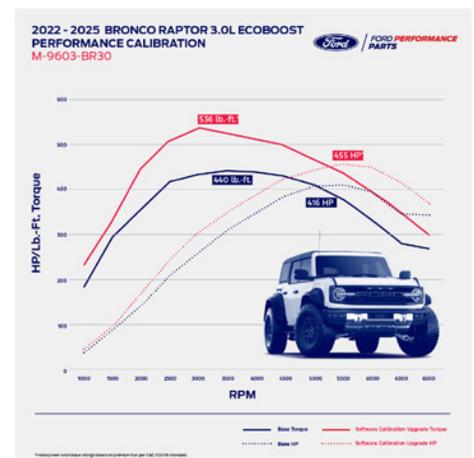
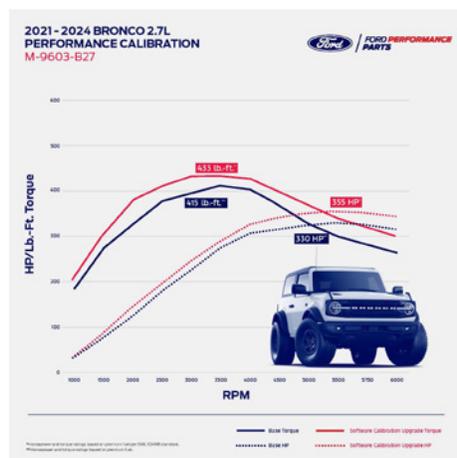
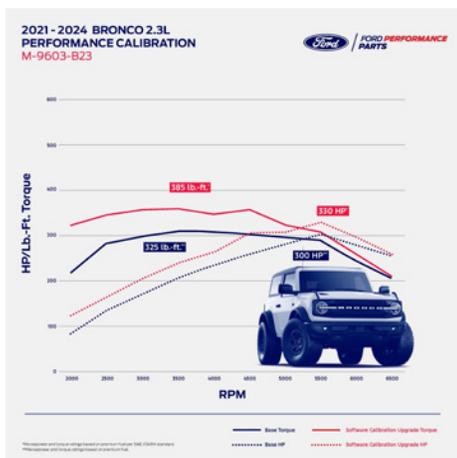


Bronco® EcoBoost® Performance Calibrations

Enhance the performance of the EcoBoost engine in your 2021-2025 Bronco. Ford Performance Parts calibrations are engineered and dyno tested to deliver increased power and performance while maintaining reliability.

- Improved throttle response throughout rpm range
- Optimized Shift Schedule for automatic transmission equipped vehicles
- Premium Fuel Required
- 3-year/36k-mile warranty from new vehicle in-service when installed by a Ford Dealer or ASE/Red Seal certified technician
- Ability to change tire size up to BFG 37x12.5R17 KO2 size (579 revolutions per mile) [Additional modifications required]
- Ability to change axle/FDU ratio up to 5.38
- Enables upgrade of M190 to M210 front drive unit by reconfiguring DLCM module
- M-12655-F Pro-Cal 4 delivery tool included
- Premium fuel required for maximum performance
- Visit performanceparts.ford.com for additional technical information and specific performance specifications.

Part Numbers: M-9603-B23 – 2.3L EcoBoost, M-9603-B27 – 2.7L EcoBoost, M-9603-BR30 – 3.0L Bronco Raptor®



Ford Performance Parts reserves the right to change product specifications and availability at any time without incurring obligations. The information contained in this brochure was correct at the time it was being prepared. Please refer to the Ford Performance Parts website for the most current, up-to-date information.

Please Check the FPP website: www.performanceparts.ford.com or contact the Ford Performance Parts Techline at (800) 367-3788 for the latest limited warranty information on specific products.

performanceparts.ford.com

May, 2025 ABT-4799 © 2025, Ford Motor Company