

**SPICER®**



**DT512-HD-62024**  
**June 2024**

**Product Catalog**

Supersedes DT512-HD-122019  
Released December 2019

# Spicer® Heavy-Duty Aftermarket Products

## Get Superior Performance with Genuine Spicer Products.

Spicer products deliver the same high performance you expect from OE parts. That's because they are OE parts, manufactured to the exact standards that have made us an industry leader for more than a century. Spicer gearing ensures longer axle life and reliable savings — see the difference for yourself!



Product Information: [SpicerParts.com](https://www.SpicerParts.com) | E-Catalog and parts locator: [DanaAftermarket.com](https://www.DanaAftermarket.com)

# UPGRADES THAT WON'T LET YOU DOWN.™

*I need my vehicle to be as reliable as I am.*

## For the Lifespan of Your Vehicle, Trust Dana Aftermarket.™

At Dana, we know that your customers' vehicles are more than just a means of transport; they help support what's most important to them. So to keep your business successful, you need to carry the parts that help clients avoid unnecessary downtime. That's why

Dana engineers our OE-quality driveline components and sealing solutions for high-mileage vehicles with dependable performance and quality.

For more information, visit [SpicerParts.com/CV-Upgrade](https://www.SpicerParts.com/CV-Upgrade).



**Aftermarket**

SpicerParts.com or for our e-catalog, DanaAftermarket.com  
#DanaAftermarket

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## **Maintaining Your Vehicles, Supporting Your Business**

Your customers rely on the trucks in their fleet to keep their businesses successful, and unnecessary downtime is something that no one can afford. When you choose Dana Aftermarket parts, you know you're getting the right part, the best quality and top performance.

Manufactured with OE tooling and technology, Spicer® means a guaranteed fit, reliable finish and superior function. Owners, managers and operators rely on Dana to deliver the best value possible. Upgrade to Dana Aftermarket – your long-term replacement solution to keep your commercial vehicles on the road.



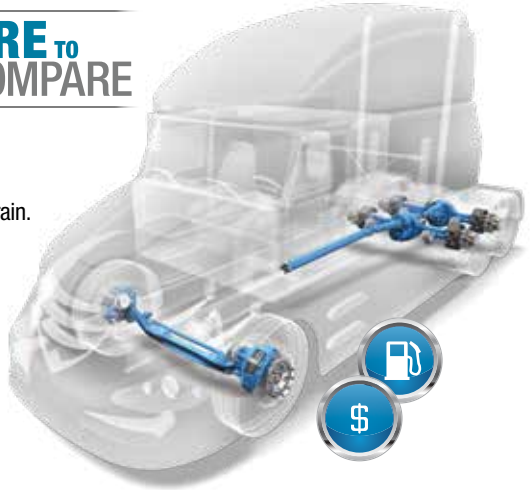
# The Industry's First Full-System Solution for Engine Downsizing

Engine downsizing offers significant benefits:

- Reduced fuel consumption
- Reduced engine friction
- Diminished relative heat transfer
- Increased thermodynamic efficiency

Running an engine at lower RPMs can generate higher torque stresses in your drivetrain. Only Dana offers a full-system solution with the OEM-quality of genuine Spicer® parts. AdvanTEK® 40 tandem axles and SPL® 350 driveshafts give you the power to decrease your engine's RPM while maintaining maximum efficiency.

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## **SPICER®** AdvanTEK® 40 Axles, Gearing, and Carriers

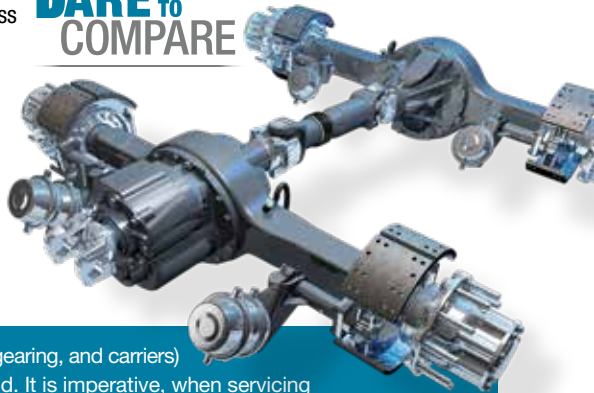


### **A 6x4 with the Fastest Axle Ratios in the Industry.**

The Spicer® AdvanTEK® 40 tandem axle is the first axle for linehaul fleets to feature Dana's innovative AdvanTEK gearing. Along with the fastest axle ratios in the industry, this 6x4 can handle a 30% higher torque capacity and lower engine RPM at cruise speed, while maximizing fuel efficiency. It features:

- Wider-face gearing for less surface stress
- Longer tooth length for less tooth stress and longer life
- Greater surface contact for carrying higher loads
- A robust pinion stem for improved stiffness
- A higher-capacity bearing system for improved life

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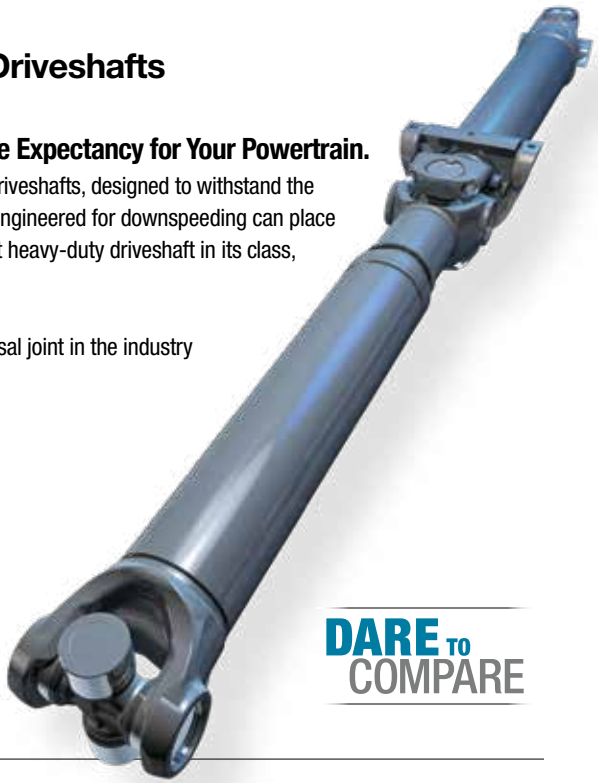
Spicer® AdvanTEK® products (axles, gearing, and carriers) provide the efficiencies fleets demand. It is imperative, when servicing these axles, that genuine Spicer products are used. Compromising the system will eliminate the efficiencies the fleet purchased in the axle and driveshaft system.

## **SPICER** **SPL® 350 Driveshafts**

### **Up To One Million Miles of Life Expectancy for Your Powertrain.**

Maximize efficiency with SPL® 350 driveshafts, designed to withstand the increased stresses that high-trucks engineered for downspeeding can place on your drivetrain. As the most robust heavy-duty driveshaft in its class, SPL 350 driveshafts feature:

- The highest torque-carrying universal joint in the industry
- High Power Density™ design
- Optional service-free design
  - For more maintenance and life cycle benefits



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## **SPICER** **SPL® 350 Universal Joints**

### **Increased Bearing Capacity and Better Protection than the Competition.**

No other universal joints are better equipped to meet the needs of today's high efficiency trucks. Genuine Spicer Life® Series u-joints are designed to withstand the increased stress that high efficiency truck configurations place on the driveline, and are equipped with High Power Density™ (HPD™) features that extend product life and outperform the competition.

- Thrust washer
  - Improves lubrication, eliminates friction, and extends life
- Bearing package
  - Larger rollers for a 40% increase in bearing capacity
- Spicer Ultra-Premium Synthetic Grease
  - Increases bearing life by more than 30%
- Multi-lip seal
  - Viton®\* material extends life, improves wear capacities and heat resistance, optimizes lube retention and protects against external contaminants
- Seal guard
  - Provides protection against external contaminants



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\*VITON is a registered trademark of The Chemours Company.



**Spicer® 10 Series U-Joints, from the Most Trusted Name in Driveline.**

Spicer products are manufactured using statistically controlled processes to ensure you get the same high-quality part every time. Not only are Spicer parts better, they are consistently better.

- Journal Cross
  - Forged with high-quality steel, precision heat-treating and case-hardening to very specific levels, ensuring optimal and consistent strength and durability
- Zerks positioned on both sides
  - Allows for easy and thorough lubrication to maximize the life of the u-joint



**Premium Spicer Life® Series U-Joints – Built for the Long Haul.**

Spicer Life Series u-joints are head and shoulders above the rest. Superior u-joint design, better lubrication, and a premium sealing package work together to deliver a 30% enhancement to bearing life versus the competition. While the precision heat-treating, case-hardening, and journal grinding processes are similar to the Spicer® 10 Series u-joints, the Spicer Life® Series u-joints include the following upgrades:

- Journal Cross
  - Engineered with a cold-formed body to ensure better wear and overall strength
- Bearing Cups
  - Heat-treated for strength; precision-ground and case-hardened for durability
- Seal Guard
  - High-impact material for optimal first-level protection against contaminants
- Thrust Washers
  - Friction and heat can cause premature failure. The Spicer thrust washer eliminates metal-to-metal contact/friction, prevents wear, and lowers the overall operating temperature
- Premium Viton®\*\* Multi-Lip Seal
  - This premium sealing package includes a Viton® multi-lip seal, garter spring, seal guard, and a needle bearing spacer. Keeping the grease in and contaminants out is the key to maximizing u-joint bearing life
- Lubrication Options
  - Get longer life and lower maintenance costs for your u-joint with two lubrication options. Choose from a greasable u-joint or a service-free, lubed-for-life u-joint. Periodic inspection is always recommended\*\*



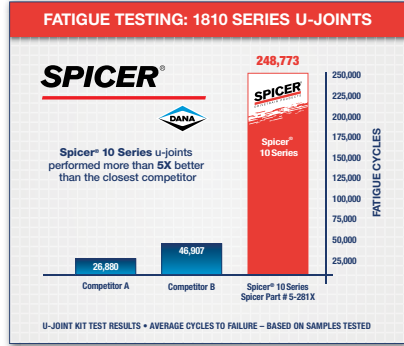
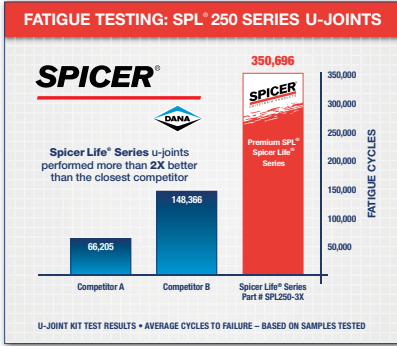
\*VITON is a registered trademark of The Chemours Company.

\*\*Inspections must be performed at each maintenance interval to check for wear, damage, or looseness that could affect lubricant life and lead to driveline failure.

# SPICER Spicer U-Joints Outperform the Competition



In rigorous laboratory fatigue tests, Spicer Life® Series u-joints outlived their closest competitor by a factor of more than 2 to 1. And Spicer® 10 Series u-joints survived 5x as many cycles as their closest competitor! You can always trust Spicer parts to deliver the same – or better – performance than even your original equipment parts.



# SPICER Spicer Life® Series Ultra-Premium Synthetic Grease



Spicer Life Series Ultra-Premium Synthetic Grease provides peak performance for all driveline components. Get excellent load-carrying ability, wear resistance, and protection against corrosion in automotive, commercial, off-highway, and high-performance applications.

- Increases bearing life by more than 30%
- Compatible with all NLGI-2 greases
- Manufactured using high-tech calcium sulfonate
- Delivers innate lubricity even at high temperatures
- Eliminates the need for performance additives
- Available in 10-packs of 14-oz. tubes or 1-gallon tubs



## SPICER GREASE: SEEING IS BELIEVING

Learn how Spicer ultra-premium synthetic grease travels through your u-joint. It's just one of the informative videos you can check out at [SpicerParts.com/Videos/](http://SpicerParts.com/Videos/)

## **SPICER** **Dura-Tune® Self-Aligning Center Bearings**

### **Maintenance-Free Performance and Optimal Alignment.**

The innovative design of the new Spicer Dura-Tune center bearing assembly maintains the proper driveline angle to maximize driveshaft and component life. This best-in-class center bearing addresses noise, vibration and harshness (NVH) levels to deliver a smoother, quieter operation for downspeed drivetrains.



#### **Improved Performance**

- Maintenance-free factory sealed bearing and double-lip seal configuration decreases contamination and extends life
- Innovative design provides optimal alignment within +/- 10 degrees
- Advanced technology elastomer material decreases levels of noise and vibration
- Delivers reduced driver fatigue and improved vehicle satisfaction

#### **Simplified Installation**

- Elimination of dust shields due to new sealed bearing technology
- Eliminates the need for multi-hanger bracket and cross member configurations

## **SPICER** **Spicer Transfer Cases**

### **Rough Terrain Versatility. OE Quality.**

Maximum power in all transmission speeds. Full torque capacity in both front and rear axles. All-purpose capability across rough environments. Spicer transfer cases give you all-wheel drive when you need it, as well as the ability to disconnect features when you need additional power flow options.

- Adaptable to meet mid-ship mount, stationary applications and direct mount for a variety of transmissions
- Optional front wheel disconnect to both front and rear axles
- Ensures a more efficient use of heavy-duty vehicles in a range of applications





## **SPICER** Spicer Driveline Components



### Full-Line Coverage.

Spicer® medium and heavy duty driveshaft products are manufactured to the same high standards as original equipment (OE) parts because they are OE parts. That means when a driveshaft part is replaced with a genuine Spicer product, it is being replaced with the original equipment product, ensuring the same performance and reliability you have come to expect.

- Bearing strap and replacement boot kits
- Balanced slip yoke assemblies
- Driveshaft tubing
- Center bearings
- Tube yokes
- End yokes
- U-joints
- And more!



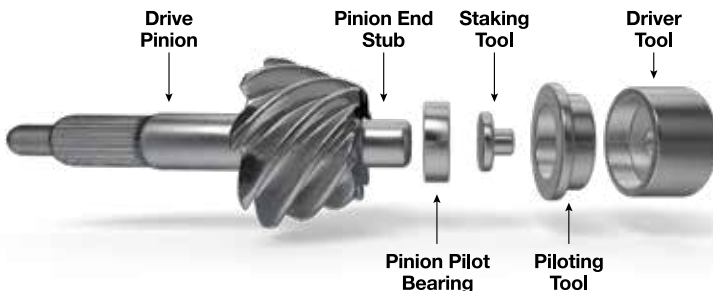
Visit [SpicerParts.com](http://SpicerParts.com) to see our full-coverage line of Spicer heavy-duty driveline components.

\*This illustration is intended for nomenclature purposes only and is not to be used for assembly instruction. It does not include every possible scenario or product name. Parts pictured are for reference only and are not intended to be all-inclusive. Alignment of yoke ears are not representative of all forms of phasing. Yoke ears are phased per Original Equipment Manufacturers' requirements.

## **SPICER** Pinion Pilot Bearing Staking Tool Kit



Installing pinion pilot bearings correctly can help avoid any truck downtime associated with premature bearing failure. Now available for all Dana Aftermarket commercial vehicle drive axle models, Spicer pinion pilot bearing staking tool kits are designed to Dana specifications to ensure a proper repair.



Different staking tools are needed for different axle ratios due to the change in pinion stub end diameter and design. For proper pinion pilot bearing staking procedure, download the installation instructions (SHAIS223) at [SpicerParts.com/Library](http://SpicerParts.com/Library).



**Save Money Up Front and Down the Road.**

Get the peace of mind that comes from knowing your heavy-duty axle carrier contains only brand-new Spicer parts. Visit [SpicerParts.com](http://SpicerParts.com) today to learn how Spicer gearing and our core-free carrier program can benefit your fleet and your bottom line!



- Built with 100% factory-new Spicer parts featuring the latest engineering improvements and product enhancements, including premium gearing, bearing, and oil seals
- Featuring a full 3-year, unlimited-mile warranty for added peace of mind
- Extended 4-year warranty available when customers use Spicer® FE 75W-90 fuel-efficient synthetic gear lubricant in linehaul applications
- Competitively priced core-exchange option enabling you to stock and sell the highest-quality product in the industry
- Core-free option—no core charge or return needed—saves money and hassle up front, as well as storage, freight charges, staff time and paperwork
- Dedicated carrier expert on staff
- Hot Shot Same-Day Delivery: Carriers can be received the same day, depending on your location and carrier
- Emergency truck-down orders accepted until 6:00 p.m. Eastern Time
- Backed by Dana, the most reliable service support team in the industry

**Model Nomenclature**

Our new Spicer smart part number identification system now reflects actual location, model, ratio, and GAWR, making ordering your medium- and heavy-duty carriers easier than ever. See the examples below.

**Tandem Drive Axle Example:**

Legacy#: 682205

New #: **D S 40 4 P 355 EX**

**D**- Forward Tandem Axle with Interaxle Differential  
**R**- Rear Tandem Axle

**S**- Single Reduction  
**T**- Dual Flange  
**P**- Planetary Double Reduction  
**C**- Single Reduction with Controlled Traction Differential  
**D**- Single Reduction with Wheel Differential Lock  
**SH**- Single Reduction High Performance  
**DH**- Single Reduction High Performance - with Wheel Differential Lock

**EX**- Exchange  
**CF**- Core-Free  
Gear Ratio  
**BC**- Bus/Coach  
**N**- NS  
**P**- Pump  
Design Level  
GAWR Rating x 1000 lbs.

**Single Drive Axle Example:**

Legacy#: 674725

New #: **19 06 0 D 355 CF**

GAWR Rating x 1000 lbs.  
Series  
Design Level

**S**- Single Reduction  
**D**- Single Reduction with Wheel Differential Lock  
**T**- 2 Speed  
**P**- Planetary Double Reduction  
**R**- Parking Brake  
**BC**- Bus/Coach  
**N**- NS

**EX**- Exchange  
**CF**- Core-Free  
Gear Ratio

# UPGRADES THAT WON'T LET YOU DOWN.™

*The last mile of the delivery is important to us both.*

## **For the Lifespan of Your Vehicle, Trust Dana Aftermarket.™**

Spicer® driveshafts for the Dodge/Mercedes-Benz® Sprinter serve as an OE-quality, drop-in replacement in these hard-working vans. The extended idling periods and stop-and-go driving of “last mile delivery” take a toll on factory driveshafts, so Dana engineered these driveshafts to serve as an aftermarket solution for fleet and repair shop owners.

To learn more, visit [SpicerParts.com/SprinterDS](https://www.SpicerParts.com/SprinterDS).



**Aftermarket**

[SpicerParts.com](https://www.SpicerParts.com) or for our e-catalog, [DanaAftermarket.com](https://www.DanaAftermarket.com)  
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## FE 75W-90 Extra Fuel-Efficient Synthetic Lubricant

For better operating performance over time and a longer gear life, Spicer remains the name people trust. Not only does Spicer fuel-efficient synthetic gear lubricant provide ultimate protection for gears and bearings, but it's also proven to deliver improved fuel economy and reduce CO<sub>2</sub> emissions. With Spicer fuel-efficient synthetic gear lubricant you can count on:

- Quantifiable 1% fuel savings improvement
- Reduced gear wear
- Reduced maintenance
- Less oil disposal
- Decreased vehicle downtime
- Maximum extreme hot and cold temperature performance
- Extended drain interval up to 500,000 miles
- Extended 1 year carrier warranty protection option with use of FE 75W-90 Extra Fuel-Efficient Synthetic Lubricant
- Available in 5-gallon containers (FE75W90-P)



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## Spicer Fuel Savings Calculator



### Performance You Can Bank On!

Think it doesn't matter which gear lubricant you use? Think again. Spicer's FE 75W-90 synthetic gear lubricant delivers more miles per gallon, potentially saving you hundreds – or thousands – of fuel dollars. How much can you save? Calculate for yourself at [SpicerParts.com/Calculators](http://SpicerParts.com/Calculators) and click on the Fuel Savings Calculator to see how your savings add up.

**SPICER** Spicer Ring and Pinion Gearing

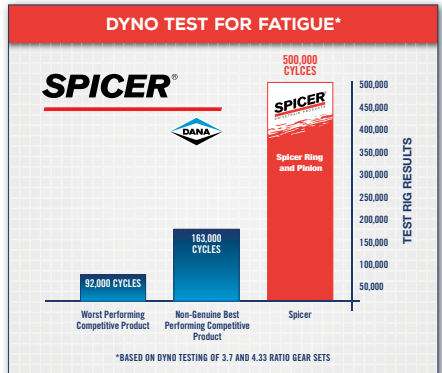
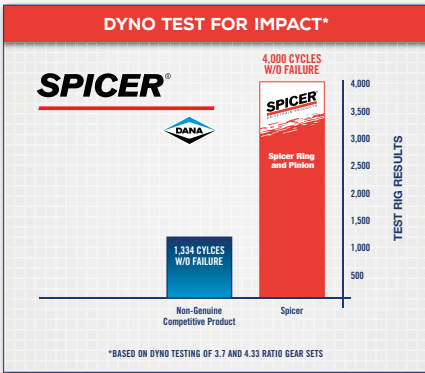
**Gearing that Outperforms the Competition by 280%.**

Manufactured from superior-quality steel and precision-machined to ensure the perfect meshing of mating gears, Spicer ring and pinion gearing delivers performance that the knock-offs simply cannot match. The difference lies in our statistically controlled processes, which lead to real benefits for your vehicles:

- **Heat Treatment** for optimal hardness and increased durability
- **Face Hobbing** to ensure precise mating of gear teeth and a quieter ride
- **Shot Peening** to extend the life of the gear
- **Lapping** to reduce noise and heat
- **GenTech™ Gearing**



Competitive dyno testing proves that Spicer ring and pinion gearing means a longer life for your axle. Visit [SpicerParts.com](http://SpicerParts.com) to learn more about the difference Spicer gearing can make.



\*Based on dyno testing of 3.7 and 4.33 ratio gear sets

**SPICER** Seal Installation Tool Kit

**For a Solid Seal Every Time.**

Install seals quickly, easily, and correctly every time with the Spicer® Seal Installation Tool Kit. The kit ensures the seal is square and has been installed without damage, so you'll enjoy maximum performance and longevity. For more information on how to get a kit, contact your Spicer sales representative.





## Spicer Axle Overhaul Bearing & Rebuild Kits

### Everything You Need for a Thorough and Lasting Repair.

- Bearings, cups, and cones, each precisely selected for maximum performance in every position and application
- Premium oil seals for your best protection against nagging leaks and damaging contamination
- All the small parts to do the job right, including sealant, snap rings, gaskets, shims, and more



## Spicer Wheel Seals

### Heat, Dirt, and Dust are the Enemy. Fight Back with Spicer Wheel Seals.

Reduce friction, lower torque, and promote cooler running temperatures in your vehicle. Take advantage of proven seal geometry that keeps contaminants out. And cut down on labor costs by reducing the need for early brake replacements.

- Fully tested by Dana
- Full range of installation tools
- Backed by Dana 100%





## Spicer Spiral Bushing King Pin Sets

### Easy to Install. Built for the Long Haul.

The result of years of engineering and testing, these kits deliver a significant performance advantage for all makes of heavy-duty service vehicles. Yet they're designed with easy installation in mind. They feature:

- Grooved pins for optimal lubrication
- Quick and easy installation
- Stainless steel durability



## Spicer Steer Axle Components

### One-Stop Shopping from the Most Trusted Brand in the Industry.

This program includes the parts you need for optimal performance in your heavy-duty vehicle, all with the legendary Spicer brand.

Spicer axle in-depth coverage:

- Axles
- Arms
- Beams
- Crosslink assemblies
- Knuckles

All makes:

- Tie rod ends
- Drag links
- King pin kits
  - Several options available including easy-install spiral bushings



Get all-makes coverage and original equipment quality with the brand you rely on.

# The Dana Training Academy and DanaAftermarket.com

## Two High Performance Tools, from Two High Performance Brands.

To become a Spicer parts or Victor Reinz expert, check out Dana's new learning online system. You'll get full access to our free courses – available online, and on your own schedule. And, find out how it's never been easier to do business with Dana: explore DanaAftermarket.com, our streamlined, intuitive ordering platform.



Product Information: [SpicerParts.com](https://www.spicerparts.com) | E-Catalog and parts locator: [DanaAftermarket.com](https://www.danaaftermarket.com)

**Dana Aftermarket Group**  
PO Box 1000 Maumee, Ohio 43537  
Warehouse Distributors: 1.800.621.8084  
OE Dealers: 1.877.777.5360

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