



SHIFT GEARS WITH TRC QUALITY

North America's First Four Star Authorized Remanufacturer



WHOLESALE ONLY

The Complete Solution For Your Remanufactured Drivetrain Needs

trcreman.com

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WHOLESALE ONLY

THE COMPLETE SOLUTION FOR YOUR REMANUFACTURED DRIVETRAIN NEEDS

**Our Mission Statement is simple:
“To be the premier remanufacturer of Transmissions, Axles and Hydraulics.”**

TRC is a wholesale only program. We want to be your partner, not your competitor.

TRC separates ourselves from local providers with our deep Original Equipment (OE) connections and access to critical product, process and diagnostic information. TRC separates ourselves from other national providers with our investment in nationwide distribution, management and quick, decision making.

We strive to perfect this balance to bring our customers the best of both worlds:

- World class capabilities
- Nationwide access to expertise, service and product

Multiple OE Affiliations:

- TRC is recognized as one of the top tier remanufacturers of commercial vehicle drivetrain components in North America allowing us to provide the best cost and quality combination for your company's needs.
- We are the first remanufacturer to be authorized by the top four Tier 1 manufacturers of the commercial truck market: Allison, Eaton, Dana and Meritor.
- We are a prominent warranty center for Muncie, Eaton Hydraulics, Dana Off Highway, FABCO and many more.
- These direct relationships ensure we have access to the latest design changes and these improvements are built into our remanufactured units to ensure the highest quality of product performance.
- TRC has direct relationships with virtually every major supplier to the commercial truck market.

Quality Orientation:

- TRC is a specialist, not a generalist. This focus on the commercial vehicle drivetrain affords us the opportunity to provide the detailed expertise, product and services required as products evolve and become more complex. By not trying to be all things to all people, TRC is your best bet for the mundane as well as the complicated needs related to the drivetrain.
- By centralizing the remanufacturing process into seven product centric facilities, we can control quality through a standardized, industrialized and repeatable remanufacturing process. This means that each component is fully disassembled and consistently remanufactured to an OE specification.
- TRC has a best in class testing regiment with 15 electronic dynamometers across the enterprise.
- We use Kaizen, Lean Manufacturing and Built In Quality (BIQ) techniques extensively across the company to drive quality into every process.
- An industry leading, nationwide warranty experience is a reflection of the systematic approach we employ for quality. Feedback to the customer as well as the shop floor is immediate and fact based to drive improvement in our process and your business.

Nationwide Expertise:

- TRC has multiple Regional Sales Managers working in the field to serve your specific needs.
- We have 28 strategically located distribution centers across the nation to quickly meet your unique drivetrain requirements.
- TRC utilizes over 100 delivery trucks to respond immediately to your product needs and provide free pick up and delivery of orders.
- TRC has a 95% fill rate on stocked unit orders within 24 hours.

“First of all, let's clarify the difference between a remanufactured transmission and one that is simply rebuilt. TRC transmissions are totally remanufactured, returning them to the latest blueprint specifications and tested to original equipment standards,” explains Morrow. “The typical rebuilt transmission is only repaired to the level of failure. That means any components beyond this level are left intact. Additionally, testing procedures often vary among individual rebuilders. Having been exposed to TRC's process, I can attest that they have a robust remanufacturing and testing process—they are not just a rebuilder.”

Jim Morrow
Former President
Detroit Diesel Remanufacturing Corp.

PROGRAM HIGHLIGHTS

Product Coverage

- Remanufactured Drivetrain Components
All makes, all models, all applications

Ordering Information

- Obtain the required part number and/or serial number from the metal tag on the original component
- Contact us one of three ways:
Phone: (855) 587-2736
Fax: (856) 528-9028
Email: TRCCallCenter@trcreman.com

Drive Train Decoder™

- Revolutionary web-based tool to help quickly and accurately identify the correct unit
- Allows you to significantly grow your drivetrain business by saving research time
- Valuable to industry experts and personnel with minimal drivetrain knowledge
- Contains over 30,000 complete assembly and cross reference numbers.
- Exclusively available to contracted TRC Trading Partners

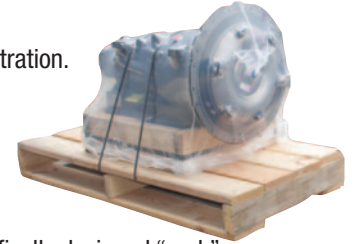


Same Day Product Shipment

- 95% of stocked unit orders received by 2:00 local time are processed and shipped the same day.
- All freight is prepaid by TRC

Core Policy and Processing

- Every unit is delivered with a Core Return Tag that makes for easy core return administration.
- Return freight is prepaid by TRC if you return two cores per pallet.
- Your core should always have the core return tag attached.
- To schedule a pickup email TRCcores@trcreman.com



Packaging and Marketing

- All product is shipped on a customized reinforced pallet with shrink wrap or in a specifically designed "pod."
- An Identification tag is affixed to each unit designating the part, model and serial number for easy identification.
- Each unit includes a core return tag and a label directing you to www.drive-trainer.com, TRC's own online repository for technical and installation information.
- We offer support for creating marketing materials to promote the product you sell.

Technical Support

- To help support our customers with technical and installation information needed, all of our years of experience and knowledge is being collected and deposited into one repository online, www.drive-trainer.com. Read more about Drive-Trainer on page 7.
- Allison technical assistance is available from our experienced factory trained technicians by calling (877) 425-5476.
- Direct technical assistance for all other makes and models is available by calling (855) 587-2736.
- We offer free training sessions such as troubleshooting, installation, maintenance, etc. Contact TRC to schedule your customized training session.

Quality/Warranty

- Allison, Eaton, Dana and Meritor recognized our strict remanufacturing process and quality guidelines which awarded us Authorization from all four Top Tier Manufacturers.
- All of our Product Lines are remanufactured using the latest OE quality standards and specifications.
- Our warranty policy includes flat rate labor reimbursement. Warranty coverage is highlighted throughout this brochure. For our full warranty policy please visit our website, trcreman.com.
- Enhanced warranty plans are available on most transmissions, differentials and steering gears.



★ 28 Distribution Centers

WHOLESALE ONLY

DRIVE TRAIN DECODER™

What Is Holding Your Company Back?

- Consistent drivetrain product expertise lacking across your company?
- No methodology to share the experts' knowledge throughout your company?
- Lack of confidence in product knowledge?
- People only selling what they are comfortable selling?

TRC's Drive Train Decoder™ is a revolutionary drivetrain identification tool that will help you grow your business!



PATENT PENDING

POWERED BY **FindItParts** & **TRC**

A screenshot of the Drive Train Decoder website interface. At the top, there are logos for 'DTD' and 'TRC'. To the right, it says 'NEED HELP? (855) 587-2736 or Start a Live Chat' with a 'Cart' icon. The main content area is framed in red and contains the following elements: 'WELCOME TO YOUR' followed by the 'DTD DRIVE TRAIN DECODER' logo, which is 'POWERED BY FindItParts & TRC'. Below this, it says 'START BY WATCHING OUR TRAINING VIDEO' and features a 'TRAINING VIDEO' button with a play icon and a 'Click here to watch.' link. Further down, it says 'ALREADY A PRO? SELECT A PRODUCT' and displays three product categories: 'Transmissions', 'Allison Transmissions', and 'Differentials', each with a corresponding image of the component and a red button below it. A 'Send Feedback' button is located in the bottom right corner.

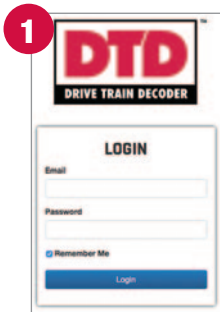
DRIVE TRAIN DECODER™

- Instructional diagrams to help assist in identifying the right specifications.
- Contains over 30,000 complete assembly and cross reference numbers.
- Industry experts and novices alike can quickly and accurately specify transmissions and differentials.
- Drives immediate confidence into the selling process.
- Identify, check price and availability and purchase via online shopping cart.
- Management administration capabilities to monitor use.
- View past orders and frequently purchased parts.
- Fully compatible with all mobile devices.
- One on one training with your TRC Regional Sales Manager.
- Call your rep to gain access to this tool.

Finding The Right Part Just Got A Lot Easier!



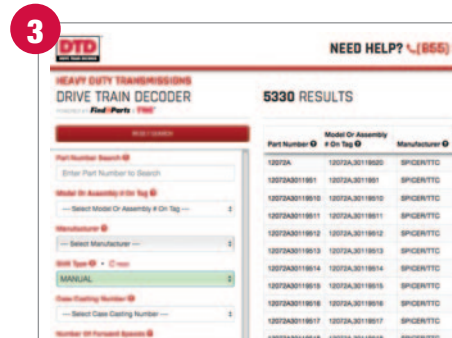
Five Easy Steps To Finding Your Part



1. Login Using Secure Credentials



2. Select a Product Type to Start



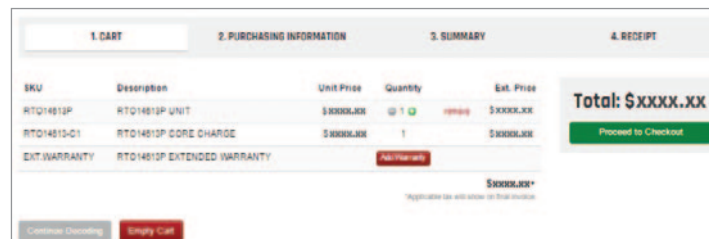
3. Select the appropriate product information.



4. Answering the specification questions will narrow down to a single part number showing availability and pricing. (Pricing only shown on request)



5. Download to a PDF for reference or add to a shopping cart for easy online ordering. Option to add extended warranty coverage.



DRIVE-TRAINER

Drive-Trainer.com The Technical Information You Need All In One Place

A revolutionary comprehensive drivetrain product identification tool

TRC provides our customers an online repository that houses installation and technical information that will extend the life of your drivetrain products and decrease common failures caused by improper installation.

Drive-Trainer.com is our customers' solution for technical data, installation tips and general help regarding a product purchased from us. Our goal is to give our customers all of the information they need to successfully install and maintain their drivetrain product.

The website is mobile friendly and to make it even easier to access, every remanufactured product that is featured on Drive-Trainer.com has a QR code attached to it, as seen below, leading you to **Drive-Trainer.com**.



For technical and
installation
information, scan
this code or visit
www.drive-trainer.com

DT
DRIVE-TRAINER

Search Site

HOME Manual Transmissions Automatic Transmissions Automated Manual Transmissions Differentials Off Highway

1000/2000 Series

Below you will find videos and documents containing technical information that will help you maintain the warranty and life of your product.

Common Installation Issues
A guide to installation related failures and ways to avoid them...

How to Flush & Flash
These steps are required to maintain your warranty.
How to properly flush your cooler, and re-flash your computer when installing a remanufactured Allison transmission. Only electronically controlled transmissions must be re-flashed.

Screen shot of TRC's Drive-Trainer.com website

WHOLESALE ONLY

FOUR-STAR AUTHORIZED

We're America's First Four-Star Authorized Remanufacturer

A feat no other remanufacturer or rebuilder in North America has achieved.



TRC Holds Direct Relationships With Tier 1 Manufacturers

- Authorized by Allison, Eaton, Dana and Meritor
- One of 7 remanufacturers authorized by Eaton
- One of 2 independent companies with a direct Allison relationship

Our high quality meets the stringent standards of each of these suppliers.

Clearly Remanufacturing A Better Product!

BUILT IN QUALITY

TRC Is Driving A Culture Of Built In Quality (BIQ)

TRC's emphasis on quality has always used the most effective elements of Lean Manufacturing. 5S, Kaizen events and Kanban are just a few examples. Our most recent addition to our Lean tool box has been the addition of **Built In Quality**—BIQ for short

BIQ drives home best in class quality by being proactive rather than reactive. The basic principle of BIQ is to stop the flow of defects as close to their source as possible; with no defects leaving the production environment. This is accomplished via use of “gates” and visually driven checklists at critical areas of the remanufacturing processes. Resources are then deployed to eliminate the cause of the defect using proven lean technologies. Early benefits to the roll out of BIQ in our remanufacturing facilities has been a reduction in warranty claims, improved efficiency as a result of reduced rework and improved working conditions for our technicians.

BIQ in 8 Steps

1. Stop the defect
2. Get a detailed description of the defect
3. Pareto the defects to target the most problematic
4. Share defect detail with the offender
5. Conduct RCCA (Root Cause Corrective Action)
6. Drive feedback to all technicians
7. Drive RCCA into standard work documents
8. Repeat the process

Stopping The Flow Of Defects Guarantees Customer Satisfaction

The BIQ Process

BIQ Checklists:

- Details of key components go through a checklist process
- If checklist requirements are not met the product is returned to the offending production cell for corrective action

Sticker ID Tag

1. ID tag matches the production order information and the print is completely visible.
2. ID tag is installed straight and under the casting line.
3. QR tag is placed on straight and under the ID tag.



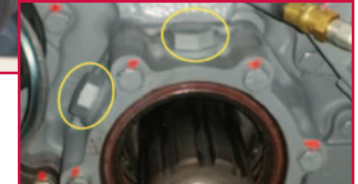
Output Shaft IPV

1. Ensure that the output shaft has (3) three In Process Validation Marks



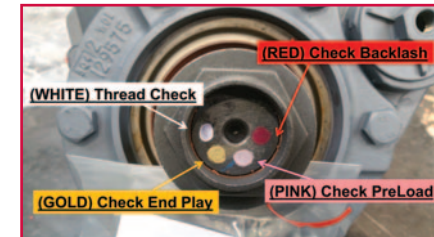
Rear Retainer

1. Ensure that ALL plugs are installed in the rear retainer



Process relies on IPV (In Process Validation):

- A technician's “thumbs up” to indicate the processes were completed accurately



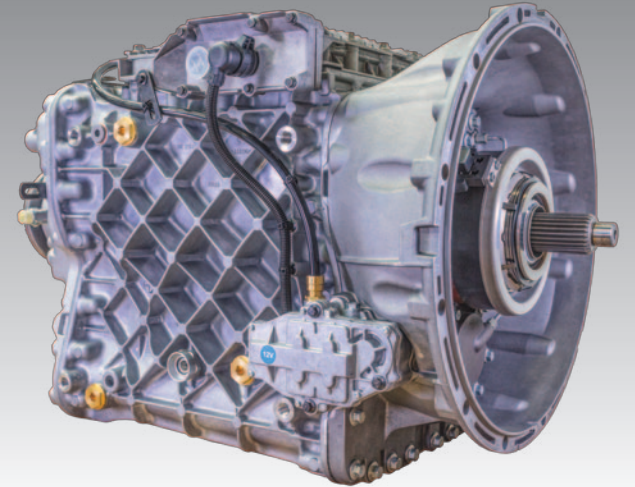
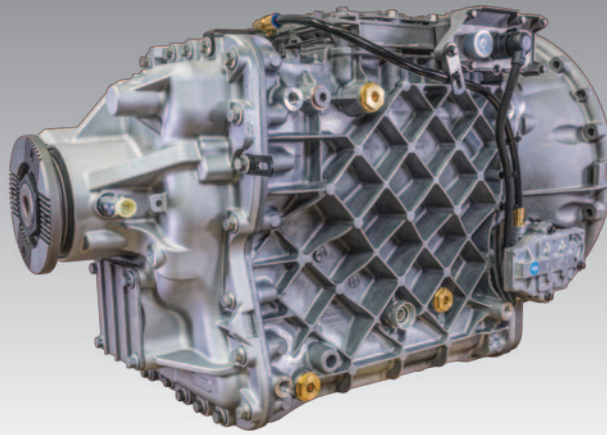
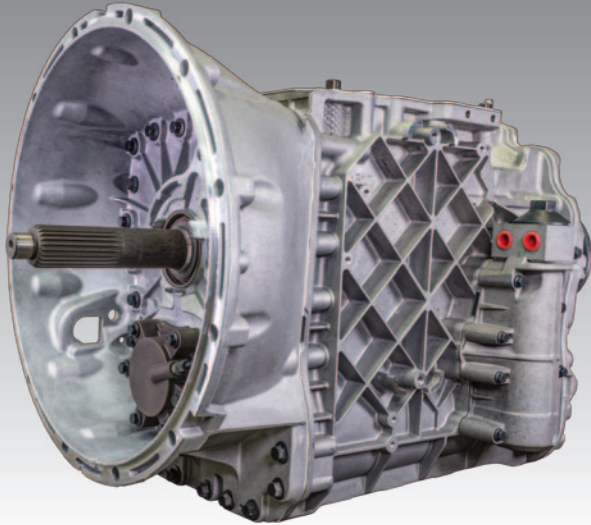
Whiteboard Documentation:

- “Live Feed” concept
- Open communication
- Guarantees documentation to improve standard work

M.F.N	DEFECTING AREA	JOB #	MODEL #	PROBLEM DESCRIPTION	REWORK TIME	DATE
F	SHIMMY	73277	RTLO18913APH	UNIT MISSING TRANSFER GEAR BANDS	10	2-28
M	CLUNKING	74237	RTLO18913APH	UNIT NOT SHIMMYING PROPERLY	15	2-28
N	SHIMMY	74499	DSH01	DIFFERENTIAL HAS NO CLEAR CUT APPLIED	10	3-01

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AUTOMATED MANUAL TRANSMISSIONS

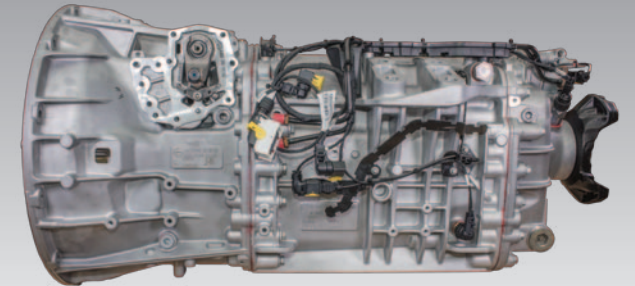


TRC offers two purchase options for our Remanufactured Automated Manual Transmissions (AMT); Basic Plus Model or Complete Model, to meet your specific needs. We completely disassemble and clean our AMTs utilizing the latest technology. The disassembled parts and components receive stringent inspection, each is measured to OEM specifications of quality. We use the latest engineering updated high range drum, range clutch, engaging ring and synchronizer ring. All critical components and “high wear” items are replaced.

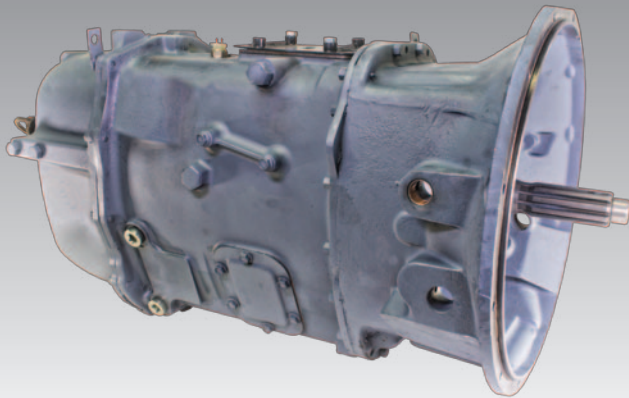
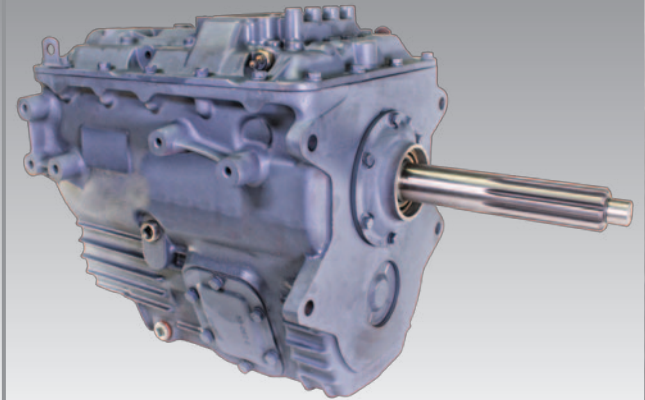
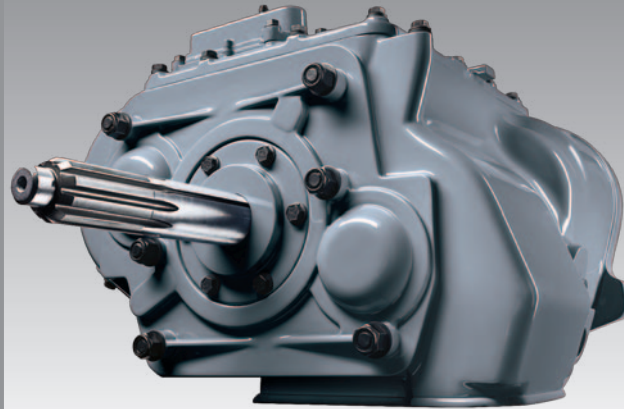
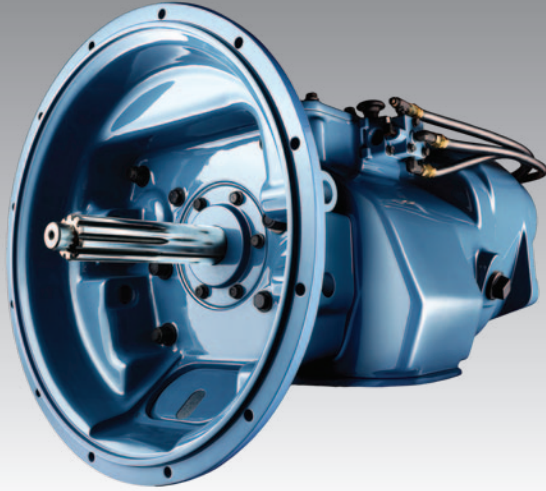
Our remanufactured automated manual transmissions include:

- 100% replacement of bearings, seals, gaskets and speed sensor
- 100% dynamometer testing to ensure quality

Warranty: 2 Years



MANUAL TRANSMISSIONS

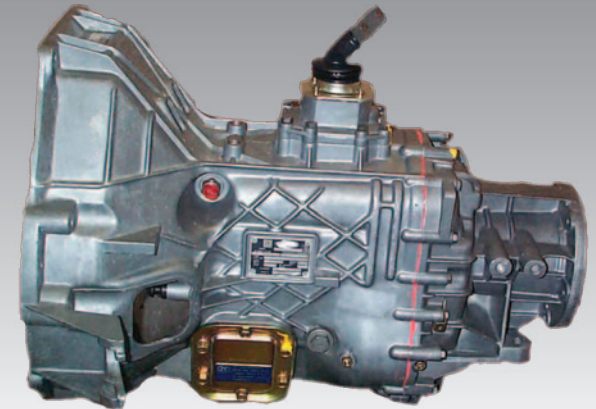


TRC offers a variety of Light to Heavy Duty Transmissions; ranging from 5 speeds to 20 speeds. We have been recognized as an Eaton Authorized rebuilder. Only the highest quality remanufacturers can carry this name. We are proud to be one of the chosen few.

Our manual transmissions include:

- The latest OEM upgrades
- 100% new air systems
- 100% new input shafts
- 100% new OEM approved bearings
- 100% new synchronizers and sliding clutches
- 100% dynamometer testing to ensure quality

Warranty: Medium Duty: 1 Year
Heavy Duty: 2 Years



MERITOR



NEW VENTURE GEAR



Detroit • Dana • Eaton • Meritor • Mack • New Venture • Rockwell • TTC • Volvo • ZF

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TRC REMANUFACTURED MANUAL TRANSMISSION HIGHLIGHTS

WHAT WE DO

WHY WE DO IT

We perform a 100% core disassembly.

This eliminates keyway failures and gear spin. It also ensures perfect timing of gears for assy. The teardown of shift covers eliminates shift failures and allows for full inspection of shift rails, detents and inter-locks. Springs and poppets are replaced.

We replace all bearings with only OEM-approved bearings.

Used and non OEM bearings will have a negative effect on transmission life. Transmission longevity starts with bearing quality.

We replace the entire air system with a new one.

Transmission air system failures account for a high percentage of failures in the field; slow or sluggish shifting; slow or no range shifts. Using new air systems ensures transmission shifts at the OEM air pressure, this is critical to synchro life.

We replace the input shaft with a new one.

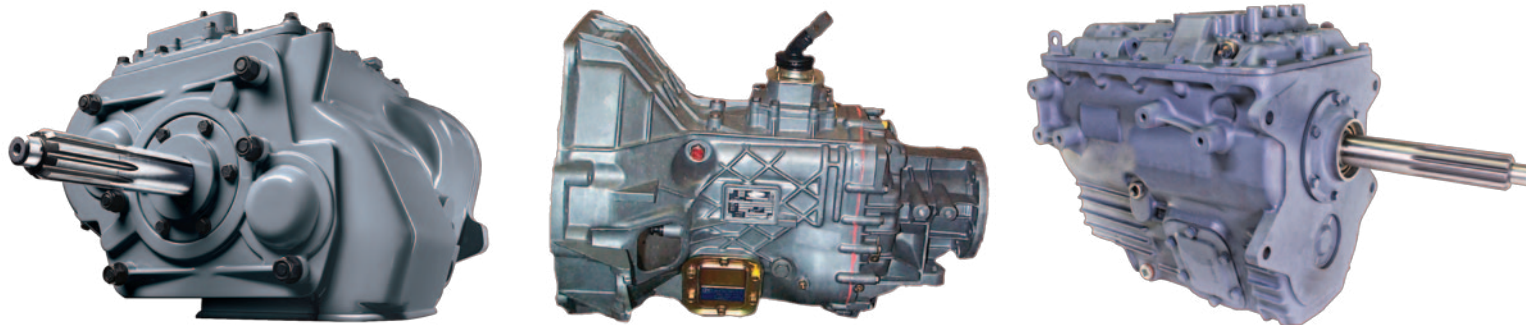
The shaft is exposed to severe loads during operation and can get stressed under normal use. Replacing with new ensures 100% spline life and 100% fit to flywheel pilot bearing.

We dynotest every reman transmission while under load.

Testing the transmission under load simulates actual in service use and brings it up to operating temperature quickly. While at operating temperature the shift quality is verified. Using 10W oil helps to magnify noises that would not normally be heard with 50W oils. This also benefits leak detection.

We replace all sliding clutches and synchros with new ones.

Replacement of sliding clutches is critical to main shaft gear life. Worn forks will enlarge the slot width for fork placement. This results in premature fork wear.



MERITOR

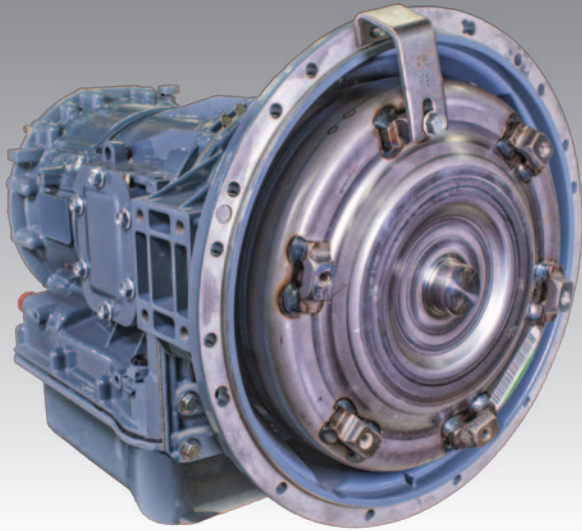
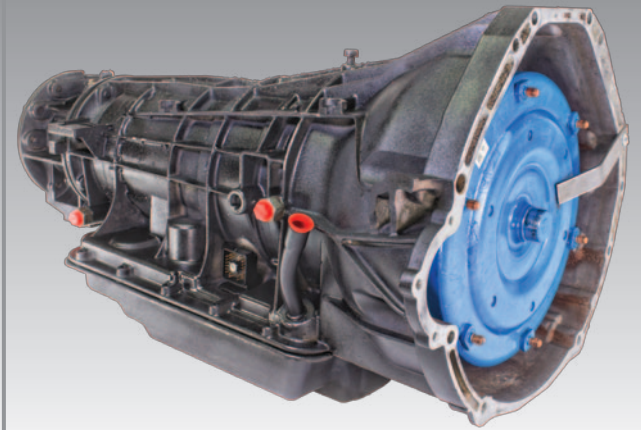
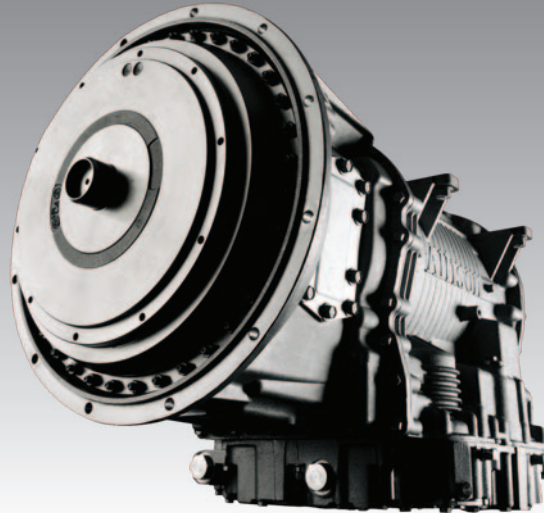
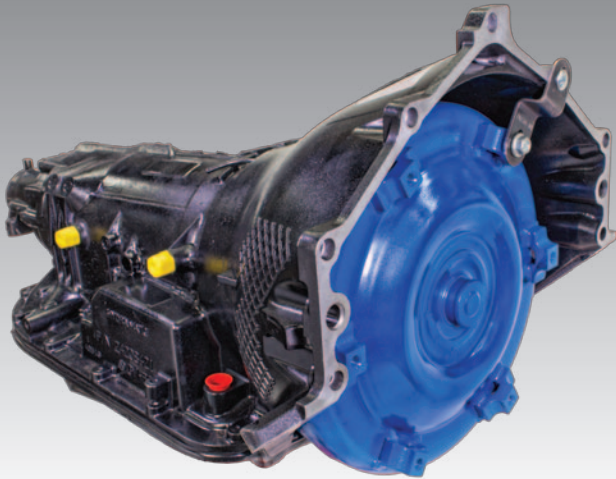


NEW VENTURE GEAR



Detroit • Dana • Eaton • Meritor • Mack • New Venture • Rockwell • TTC • Volvo • ZF

AUTOMATIC TRANSMISSIONS

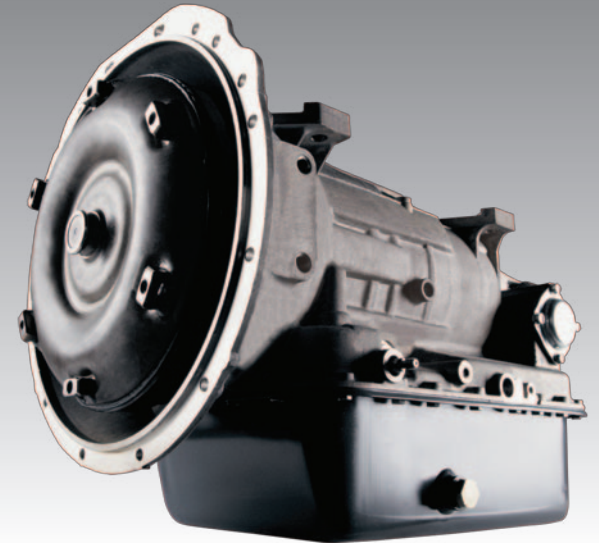


TRC has been remanufacturing all makes and models of automatic transmissions for over 40 years. Whether it is a pickup truck, step van or garbage truck; we are the right choice. TRC is an Allison Authorized Rebuilder; one of only two independent remanufacturers in North America with a direct relationship with Allison. We have dedicated remanufacturing facilities with access to the latest technology and associated training; increasingly vital with today's electronically controlled transmissions.

Our remanufactured automatic transmissions include:

- 100% genuine content in all of our Allison transmissions
- 100% new torque converters on all Allison AT, 1000 and 2000 series models
- 100% dynamometer testing across the product line

Warranty: AT, MT, HT: 1 Year / 2 Years School Buses
 1k, 2k, 3k, 4k: 2 Years / 3 Years School Buses
 Light Duty: 3 Years / 100,000 miles



WHOLESALE ONLY

TRC REMANUFACTURED AUTOMATIC TRANSMISSION HIGHLIGHTS

WHAT WE DO

Every transmission is 100% disassembled. Each part is thoroughly cleaned, individually inspected and measured to exact OE specifications.

We remanufacture our transmissions with only Genuine Allison components, which are made to match the specific application and maintain their performance throughout the life of the unit.

All AT-545 & 1000 series transmissions are supplied with a new, genuine Allison torque converter manufactured by Allison to the latest specifications and tolerances..

Every transmission goes through a multi test, qualification and update process. This includes extensive electronic valve body testing for Allison Transmissions and dynamometer testing for all transmissions on the latest electronic equipment to ensure OE specifications are met or exceeded.

We pride ourselves on remanufacturing transmissions with consistent, refined and exacting standards that are required in today's modern trucking industry.

WHY WE DO IT

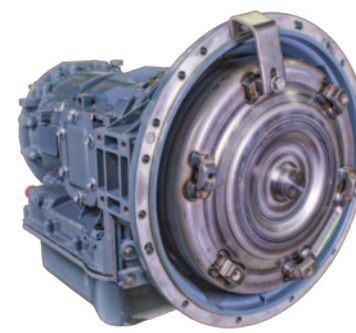
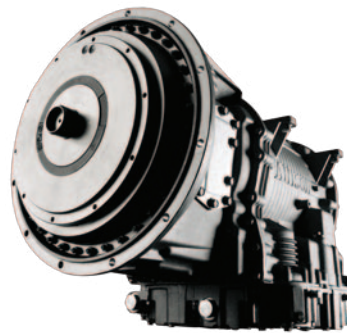
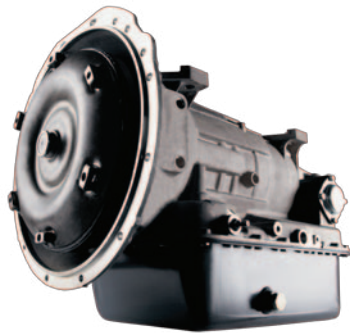
Missing a worn spline or leaving a small fragment inside a transmission will cause premature failure. Our standard is 100% disassembly.

Substandard components that are already partially worn out, or worse yet, aftermarket components from random vendors will not go the distance. Your vehicle will be down again in short order. It might be covered under warranty, but the same substandard components will be used in the warranty repair.

Allison does not offer components or repair specs for these converters due to the high failure incidents and updated standards. Remanufactured converters are aftermarket and substandard.

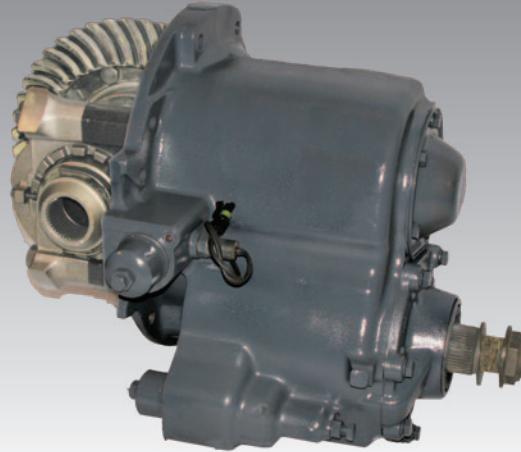
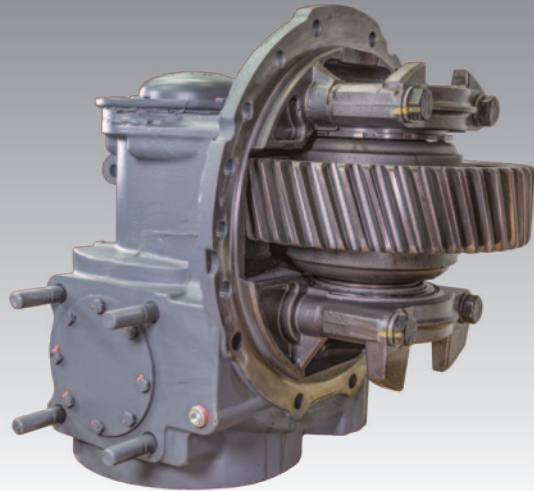
This type of testing maintains the performance of the transmission as if it were running in the vehicle, ensuring proper performance before the actual install.

Our high quality remanufacturing process turns out a high quality remanufactured transmission. This allows us to maintain low failure rates; giving you the longest warranty, best service and the least amount of down time which results in more profits to you.



Aisin • Allison • Dodge • Ford • GM • Sprinter

AXLES & DIFFERENTIALS

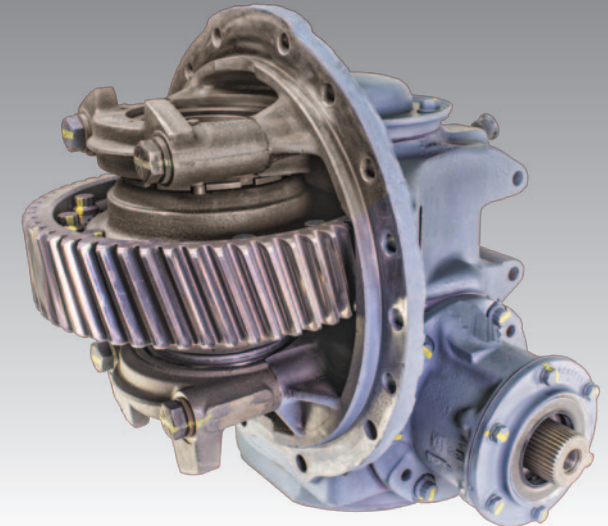


TRC's years of experience has allowed us to refine our processes to produce the high quality differentials and axles required by vehicle applications of today's market. Our full line of medium and heavy duty differentials includes single speed, two speed and tandem sets available for immediate exchange. We stock many models and ratios that can be shipped the same day.

Our axles and differentials include:

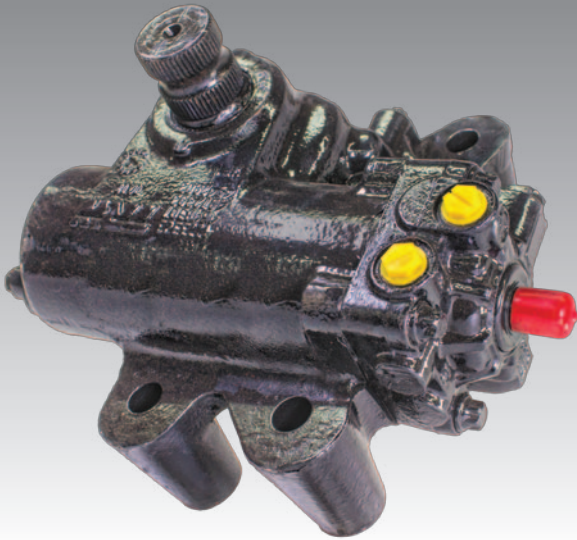
- 100% complete disassembly and inspection of all parts and components
- 100% replacement of all wear components including bearings, gaskets, ring gear bolt kits, snap rings and shims
- Only gears that meet OEM specifications
- Cases that are inspected and machined to OE specifications
- Salvage criteria that is based on OE specification levels

Warranty: 1 Year



WHOLESALE ONLY

STEERING GEARS & PUMPS

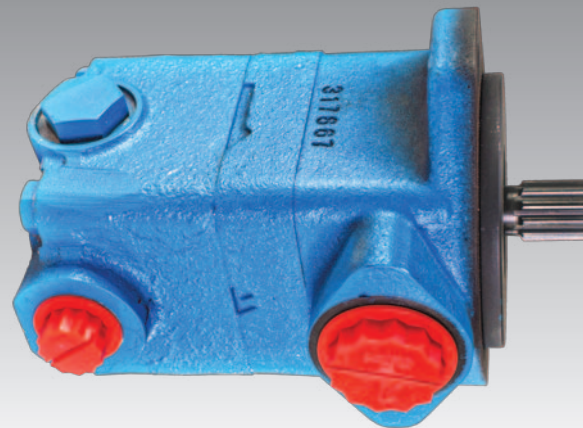
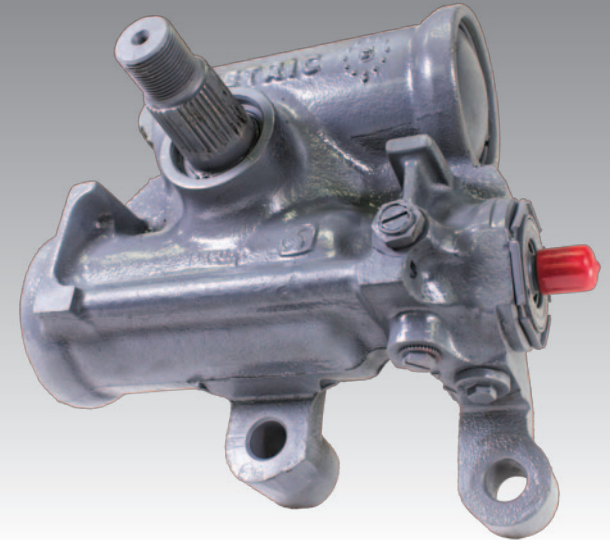


TRC stocks a deep inventory of TRW, Sheppard, Saginaw, Vickers, ZF and Bendix remanufactured steering gears and pumps. We are also an Authorized Eaton Vickers Distributor for power steering pumps.

Our steering gears and pumps include:

- Complete extensive inspections
- The latest OEM upgrades
- Replacement of all wear components, bearings, and any part that does not meet OEM specifications
- 100% testing under load to 125% of rated pressure
- 100% gear testing in both directions with the sector shaft under load

Warranty: 2 Years

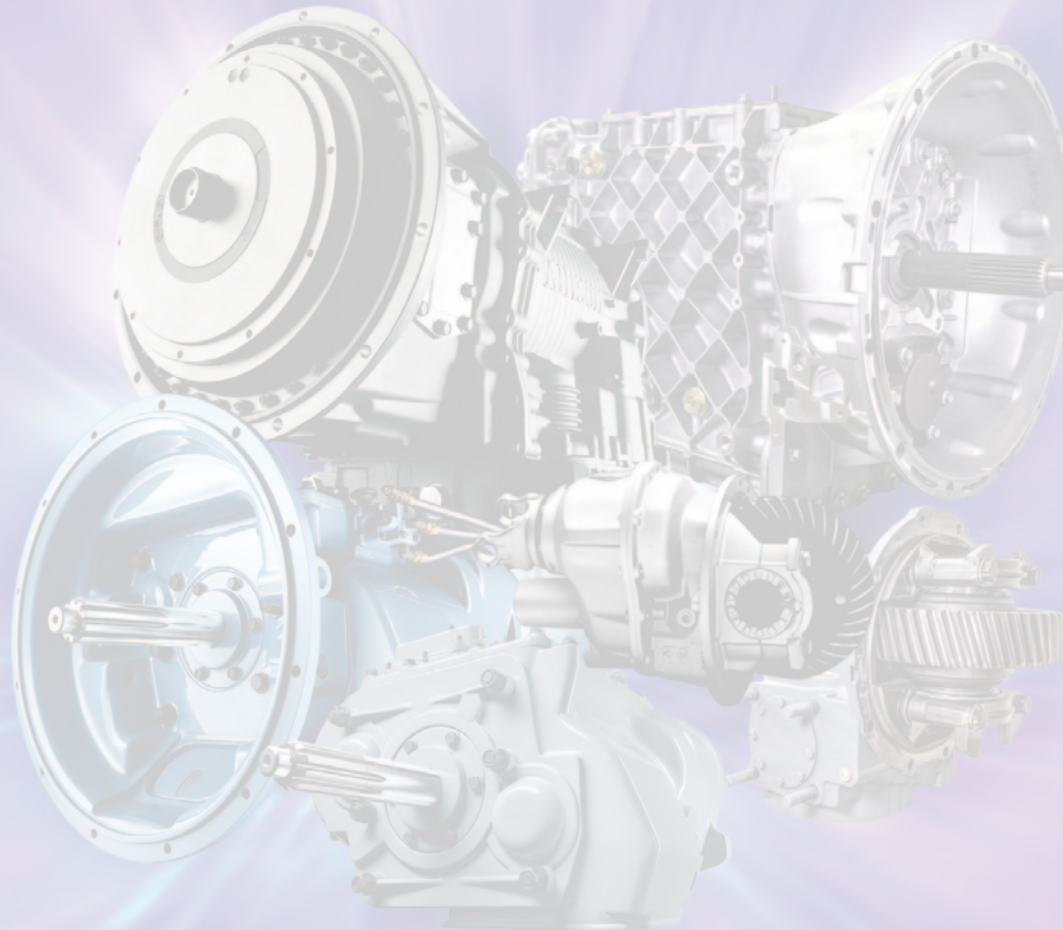
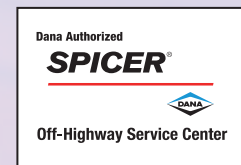
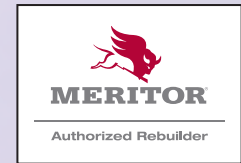


Bendix • Eaton • LUK • Ross • Saginaw • Sheppard • Vickers • ZF



SHIFT GEARS WITH TRC QUALITY

The Complete Solution For Your Remanufactured Drivetrain Needs

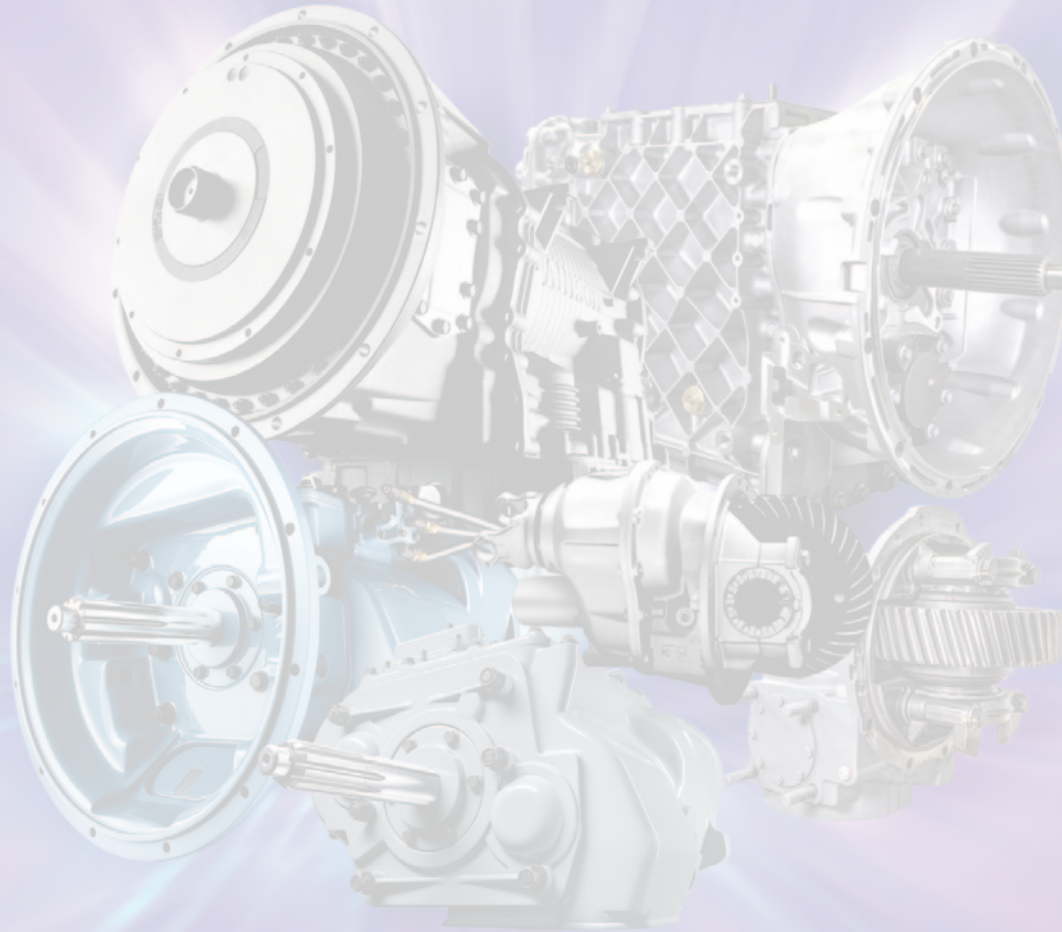


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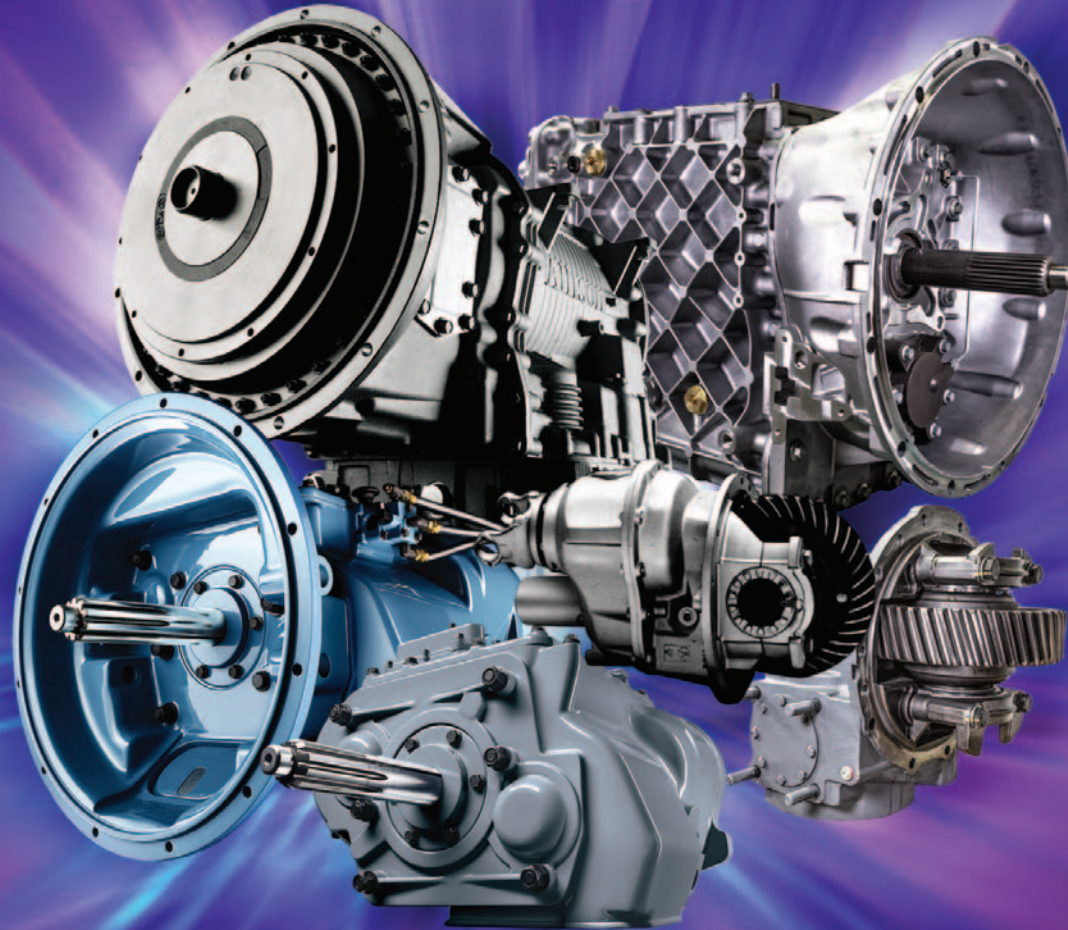
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