



DRIVEN BY POSSIBILITY™



HEAVY DUTY:

**FleetRunner™**

**PRODUCT GUIDE**

# TOOLS TO HELP SHOPS STAY ACCURATE

## DRIVEALIGN® LASER TOOL

Designed to detect misalignment in serpentine drive systems, the two-piece kit contains a laser tool and a target piece, both of which are anodized red for high visibility in dark engine compartments. The laser beam itself is a large vertical line, and when coupled with the precisely etched groove in the target piece, can be used to easily identify misaligned pulleys and components. The tool works on automotive & truck serpentine belt drives with 4 ribs or more.

- **LASER TYPE:** 650nm visible laser diode
- **OPERATING TIME:** 20 hours of continuous service
- **BATTERY TYPE:** replaceable lithium battery
- Specially designed magnetic feet to sit perfectly in K-section Micro-V pulleys



HEAVY DUTY FLEET SOLUTIONS:

# COMPLETE FLEETRANNER SERPENTINE KITS

WHEN YOU CAN'T AFFORD A BREAKDOWN

Gates Complete™ FleetRunner® kits make it easy to perform proper serpentine system service. One part number gets you everything you need in one package, so you can keep your fleet on the job. Some kits offer improvements over OE designs, solving problems that have been discovered through thousands of miles of heavy duty maintenance histories.

Keep your fleet on the road. Maintain optimum system performance by inspecting and replacing all system components together.

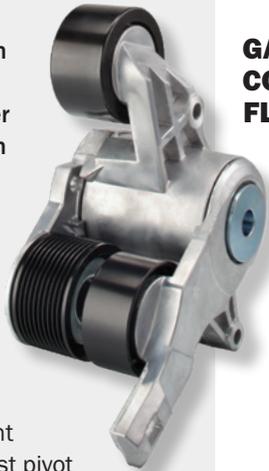




# SUPERIOR TECHNOLOGY

## PROVEN FLEETRANNER PERFORMANCE IN ONE EASY-ORDER KIT

- FleetRunner belts are engineered to handle high mileage, high idle times and high temperatures in abusive environments.
- FleetRunner belts last 34% longer than OE, and 4 times longer than any other after market belts
- Tensioner round spring design and patented damping mechanism extends tensioner life - up to 3 times longer than any other aftermarket tensioner



### GATES SOLUTIONS: BETTER THAN OE

The OE tensioner for the Detroit Diesel Series engines is slow to react to shocks in the serpentine system and susceptible to alignment issues due to an inadequately robust pivot bushing. The tensioners' hydraulic strut required a core charge with each purchase. Gates' redesign includes a more-responsive spring, double-row bearings, patented damping system and seal, and eliminates the strut and core charge. Just one example of Gates' superior engineering design.

### GATES COMPLETE FLEETRANNER SERPENTINE KITS INCLUDE

- OE Exact FleetRunner Belts
- Green Stripe® DriveAlign® Heavy Duty Tensioner
- Exact length tensioner bolt
- Pulleys as required



### GATES INNOVATION:

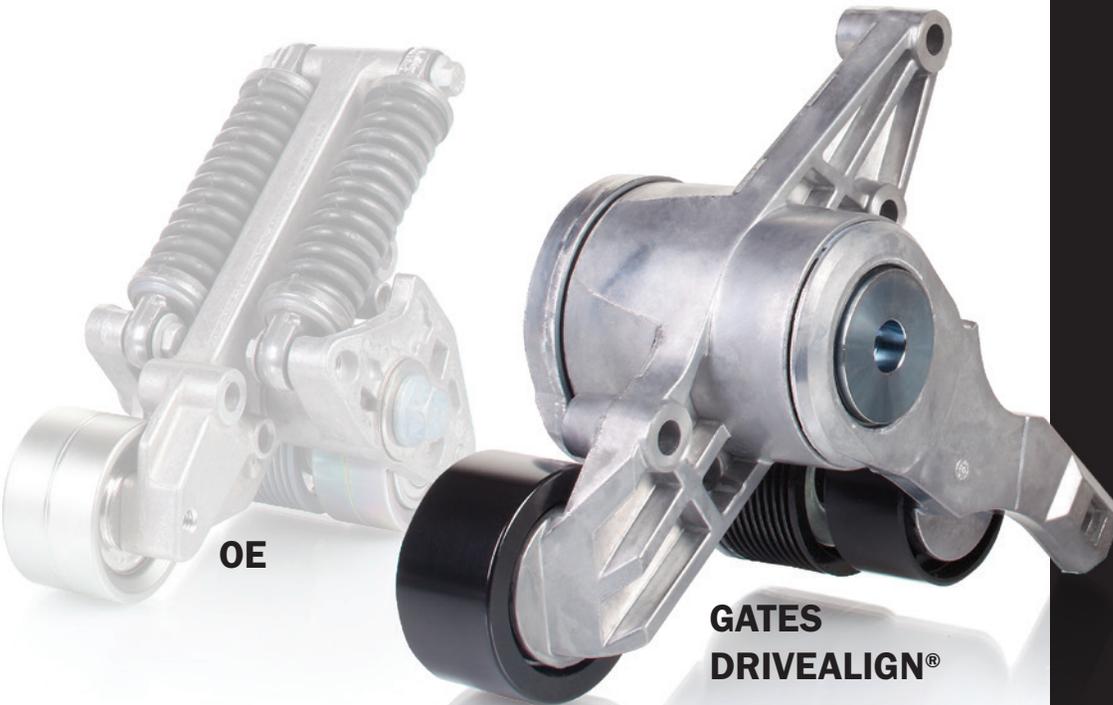
# WE MAKE IT OUR BUSINESS TO KNOW YOUR BUSINESS

### SYSTEM COMPONENTS ARE DESIGNED TO WORK AND WEAR TOGETHER

Sometimes a breakdown can cost a lot more than the actual repair and downtime. Failure of a relatively inexpensive part can cause big headaches with perishable cargo. Upgrade to Gates Complete and run with confidence.

It's important to use a systems approach when you diagnose and service the serpentine belt drive. When a high mileage belt is replaced, the tensioner has likely met its life cycle as well. Replacing the tensioner is critical to avoiding breakdowns.

Fleet managers trust Gates for the highest quality parts, comprehensive training, and superior engineering support. Contact your Gates representative and learn how you can benefit from one-number, Complete FleetRunner kits.



## FLEET & HEAVY-DUTY: **DRIVEALIGN® HEAVY DUTY TENSIONER FOR DETROIT DIESEL SERIES ENGINES**

### True Heavy-Duty Performance

Real world tested on Detroit Diesel Series Engines, the new DriveAlign Heavy Duty tensioner boasts true heavy-duty performance up to 350,000 miles. This advanced, drop-in ready solution will save both downtime and money.

# A DROP-IN REPLACEMENT WITH **SUPERIOR PERFORMANCE**

## GATES OFFERS TRUE HEAVY DUTY PERFORMANCE IN THESE KEY AREAS:

### LARGER PIVOT BUSHING

The larger bushing surface provides more area to dissipate reaction forces which reduces wear, maintains alignment, and translates to longer life.

### LABYRINTH SEALING TECHNOLOGY

Ensures that the spring, damping mechanism and bushing are protected from the harsh elements like dirt and grime that can lead to failure.

### BELT TENSION DAMPING SYSTEM

The varying loads from the accessories cause a large amount of tensioner movement. Gates design has a longer arm and a superior damping mechanism to reduce arm movement, eliminate belt flutter, and maintain belt tension, extending the life of both the tensioner and accessories.

### UNIQUE DESIGN FOR DROP-IN REPLACEMENT

Gates patented design includes the fan and accessory drive tensioners on a common bracket, but allows them to operate independently. It is a drop-in replacement for the OE.

### PULLEY BEARING

Gates long-life, double row pulley bearings are designed specifically for the heavy-duty market. They withstand the high loads demanded by diesel applications, while maintaining stability, and leading to proper belt alignment.



Part Number:  
38667

## **AVOID UNNECESSARY MAINTENANCE WHILE LOWERING COST PER MILE**

Offering true heavy duty performance with real world, fleet-tested 350,000-mile plus service life, this tensioner is more responsive to system load variations, better balanced to provide consistent wear, and easier to install, all with no core charge.

## FLEET & HEAVY DUTY: GATES SOLUTIONS FOR KNOWN ENGINE PROBLEMS

Gates has identified and created solutions for popular fleet and heavy-duty engines with known design problems and flaws. Gates FleetRunner™ belts and heavy-duty DriveAlign™ tensioners are the smart solution so engines run more efficiently for longer periods of time, reducing downtime and saving money on maintenance.

### MACK MP7/MP8 AND VOLVO D11/D13

#### PROBLEM:

Volvo's initial designs were not robust enough for the application; as a result, there were multiple tensioner failures.

#### SOLUTION:

Gates offers tensioner 38671, with all the enhancements, as a replacement for the upgraded OE tensioner. By using a 38671 tensioner and K080630HD FleetRunner belt, you can significantly increase the life of the alternator and air conditioner drive. Durability tests have shown that this tensioner performs significantly longer than OE standards.



### VOLVO D11 AND MACK MP7

#### PROBLEM:

Due to OE confusion during part number supersessions and design changes, customers in Europe and North America were applying the incorrect tensioner to the applications, resulting in the tensioner arm breaking.

#### SOLUTION:

Gates 38726 tensioner has a reinforced arm. The 38726 fits 2014 and newer Mack MP7 engines while the 38607 fits 2014 and older models. By replacing the tensioner with the correct parts and using a FleetRunner belt, you can guarantee long-lasting and worry-free performance.

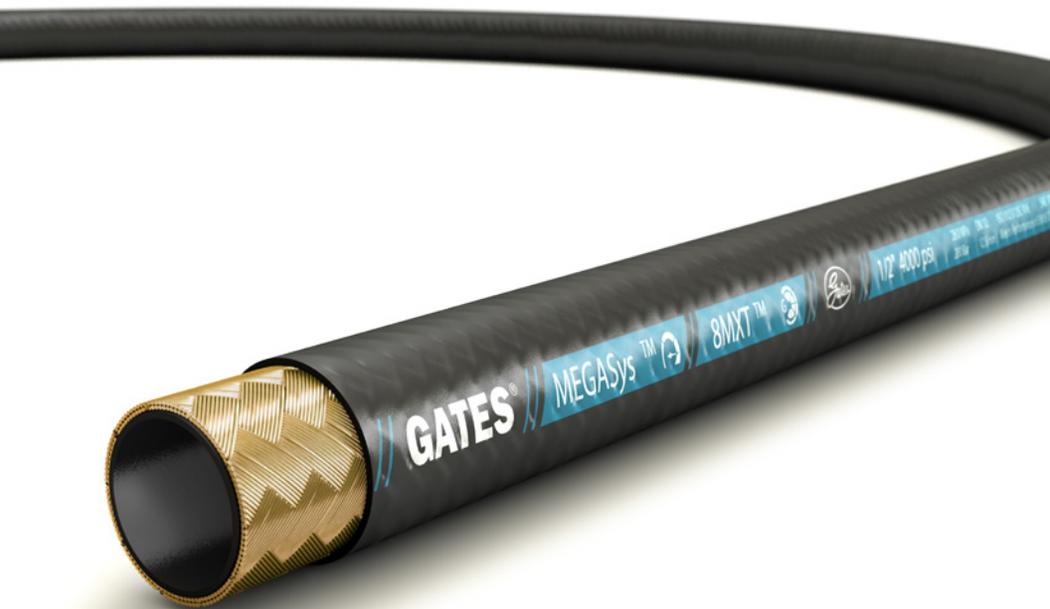


## PREMIUM HYDRAULICS: MEET MXT

### MXT WAS DESIGNED TO ADDRESS OUR CUSTOMERS' EVOLVING APPLICATION CHALLENGES.

Using materials science and process innovation, combined with a patent-pending construction, Gates now offers a new hydraulic solution that is lighter, stronger, and more flexible. Made with strong, high-performance reinforcement and high quality, abrasion-resistant rubber, MXT is a universally applicable premium product offering performance above industry standards.

- Proprietary application of materials science and processing technology
- More flexible with lower force-to-bend for faster and more ergonomic installation
- Lighter weight for easier handling
- Tested to 3 times impulse criteria (600,000 cycles)
- Compatible with MegaCrimp® Couplings and Gates Crimpers



## CUT AND CRIMP HOSE ANYWHERE WITH THE GC16XD PORTABLE CRIMPER, BATTERY PUMP, AND HYDRAULIC HOSE SAW SYSTEM

Build a hose anywhere with the ultimate portable crimping solution. Used together, the durable Gates Mini Crimper, Pump, and Saw make it easy to crimp at remote job sites while maintaining the high quality that hydraulic applications demand.

Part No. 70187



Part No. 70115

Part No. 78394

### GC16XD CRIMPER

- 1" 2-wire and 3/4" 4-wire capability.
- User-friendly horizontal loading for crimping in the field.
- Unmatched portability and speed with 10,000 psi battery-operated pump and cordless, lightweight design with integrated handle and carrying strap.
- Die sets and startup kit sold separately.

### PORTABLE HYDRAULIC HOSE SAW

- Battery power provides unmatched portability. Saw uses the same battery as the GC16XD Crimper Battery Pump.
- Cuts up to 1" 4-spiral hose.
- Safety "C" clamp secures saw in cutting position.
- Quick adjusting locator pins make changing hose sizes easy.

# POPULAR FLEET & HEAVY DUTY SOLUTIONS



## FLEETRANNER® HEAVY-DUTY BELTS

- Micro-V® and V-Belts designed for the toughest applications
- Lowest cost-per-mile belt on the market
- More than twice the service life on problem drives compared to any other heavy duty belt – including OE
- Patented blend of elastomers retain flexibility under high operating temperatures



## HEAVY DUTY TENSIONERS

- Patented technology for problem applications
- More than twice the service life on problem drives compared to any other heavy-duty tensioners—including OE
- Superior load-carrying capability



## FLEETRANNER® ACCESSORY COMPONENT KITS

- Specifically bundled for specific applications
- Kits come with
  - FleetRunner Micro-V belt,
  - DriveAlign Tensioner(s)
  - DriveAlign Idler Pulleys
  - Tensioner bolts
  - (all parts as required)



## TRANSIT BUS BELT TENSIONER SOLUTION

- For makes such as Gillig, Orion and Prevost
- Includes adapter plate for wide range of positioning options
- Gates part number 38655



## HEAVY DUTY PULLEYS

- Expanded coverage on OE Exact program
- Include bolts, washers and all OE hardware
- Saves technician valuable time
- OE exact fit but at a lower price!
- Better than OE performance
- HD bearings and product redesign to solve poor performance
- Increase customer satisfaction



## HEAVY-DUTY WATER PUMPS

- Complete HD program with over 85 SKUs
- New pumps – no cores
- Warranty - 18 months or 150,000 miles/ 5,400 hours
- Complete training program on cooling system and engine corrosion
- 100% functional test of seals / bearings



## FAN PULLEY BRACKET

- Designed with high quality bearings and casting materials needed to withstand the stress caused by vibrations and imbalance
- OE Exact replacement brackets ensure an exact fit for a hassle-free installation



## HOTLINE™ DIESEL EXHAUST FLUID

- SCR Hose Assemblies
- Carbon fiber heating system provides faster thaw times and more uniform heating than OE
- EPDM cover resists cuts and abrasion for longer life in harsh environments
- Over-molded quick connects keep out dirt to prevent premature system failure



## FLEETRANNER® HI-TEMP STRAIGHT COOLANT HOSE

- GO WITH GREEN – the durable solution for extended use in heavy-duty trucks
- High temp rating (300°F) provides an alternative to silicone at a lower price



## TURBOCHARGER HOSE KITS

- Specially-designed hose liner to prevent oil seepage and acts as a barrier to hydrocarbons and exhaust gasses
- High temperature silicone hoses designed for Ford, Dodge Ram, Chevy Diesel Truck Applications
- Kits come complete with T-Bolt clamps



### HEAVY-DUTY SILICONE COOLANT HOSE

- Available in 350° and Severe Service 400° 3 ft. stick hose
- 45 deg. Elbows – 7 sizes
- 90 deg. Elbows – 5 sizes
- Premium 4-Ply construction



### SPRINTER™ TURBOCHARGER HOSES & ASSEMBLIES

- Multi-layer construction with inner aramid reinforcement for maximum durability and strength
- OE exact couplings and materials; including mounting bracket where applicable
- Hoses handle high temperatures and resist oil permeation



### AMERICAN LAFRANCE EAGLE FIRE TRUCK TURBOCHARGER HOSE

- OE Exact Design
- Hard-to-find-part
- Continued industry-leading coverage
- Fits 2003-2008 Detroit Diesel 6 Cyl. 14.0L cold side.



### POLARSEAL II® A/C BARRIER HOSE

- Suited for hard-to service apps, long hose runs, and field repairs
- Utilizes specifically-designed hand tools
- Attaches fittings AFTER hoses are in place



### POLARSEAL II® CLAMP ASSORTMENT

- Simplicity, versatility and coverage
- in one convenient kit
- Install A/C Hose Assemblies in field without heavy crimping equipment



### POWERGRIP® SB CLAMPS

- Maintenance-free clamps that never need retightening
- Eliminates cold coolant leaks
- Works great on silicone hose



### HD THERMOSTATS

- Weirstats™
- Provides faster engine warm-up, stable temperature control, longer thermostat and seal life, improved fuel economy and driver comfort Superstats™
- Factory calibration ensures accurate heat control under extreme variations in temperature, load and engine vibrations



### HD COOLANT TUBES

- Problem solving design
- Gates TuffCoat™ plating solves corrosion issue
- Gates tubing has 10-15% thicker wall than OE to handle the rigors of the application
- Fits popular Freightliner Detroit™ Series 60 Engines



### COLD SIDE TURBOCHARGER HOSE

- OE Exact hose construction and fitment. Gates is the OEM manufacturer.
- Application specific CAC hose
- Gates exclusive aftermarket product line.

# FLUSH THE COOLING SYSTEM

Cooling systems can be difficult to flush completely due to accumulated debris from parts erosion, system neglect, incorrect or non-compatible coolants, and electrolysis. Inadequate flushing can ruin a newly installed water pump and result in warranty problems and frustrated customers. Use the **POWERCLEAN FLUSH TOOL** for a complete cooling system flush.

By using clean water and compressed air, the **POWERCLEAN FLUSH TOOL** “water hammers” accumulated sludge and scale deposits without the use of harsh chemicals or solvents. The process allows air to pressurize and scrub deep into corners and crevices, eliminating trapped debris. It cleans radiators, heat exchangers, hoses and engine blocks more effectively than conventional flushes and maintains system integrity.



Part No. 91002



**NAVIGATES**

**AUTOMOTIVE TOOLS  
& ACCESSORIES::**

# NAVIGATES MOBILE APP



**SCAN. FIND. GO!**

A faster, easier way to find quality Gates parts.

- Quick VIN scanning technology
- Store locator with contact information
- Buyers guide with in-depth details

Available on the  
**App Store**

GET IT ON  
**Google play**

**DOWNLOAD FREE!**

Experience NaviGates so you can save time and hassle every day in your parts search. Download the app for FREE and try it for yourself.

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