



# PolarForce™

## Two-Speed Conversion Kit



(2.56" [65 mm]  
fan pilot shown)

**R**educe noise, save fuel and increase your engine's performance with Horton's new PolarForce two-speed fan drive conversion kit. For less than the cost of a new fan drive, this conversion kit allows you to retrofit a DM Advantage™ or DriveMaster® On/Off Fan Drive to two-speed fan drive technology.

The PolarForce kit features advanced components and the latest magnet design for efficient and reliable operation. It installs easily—without removing the fan drive from the engine—and is compatible with any 2.56" (65 mm) or 5" (127 mm) fan pilot.

Horton's patented two-speed technology alternates between eddy current and spring-actuated cooling for precise, highly efficient temperature control and reduced operating noise. Under most operating conditions, a two-speed fan drive is powered by eddy current. This turns the fan at a lower speed, which reduces operating noise, increases available horsepower for auxiliary systems and minimizes radiator abrasion from dust and debris. When additional cooling is needed, the fan drive spring-actuates and runs the fan at full input speed.

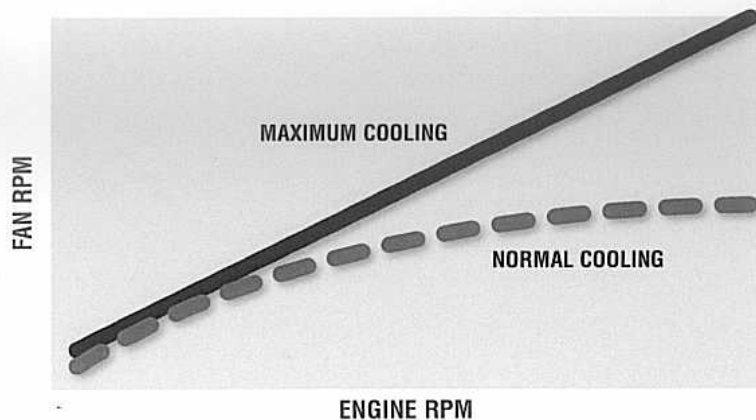
### ***Insist on Genuine Horton PolarForce Two-Speed Conversion Kits (Part Nos. 995543, 995547)***

*The Horton name means that the parts you use have been extensively tested for guaranteed performance. Backed by Horton's warranty, they give you the peace of mind that your vehicles are equipped with the best cooling components available.*



Engine **Cooling Solutions** Worldwide®

**HORTON**®



**ENGINE RPM**  
*PolarForce Two-Speed Fan Drives switch between eddy current (low speed) and spring-actuated operation (high speed).*

### DM Advantage™ or DriveMaster® Retrofitted with a PolarForce™ Two-Speed Conversion Kit Specifications

Actuation	Eddy current at low speed with spring lockup
Horsepower range	Diesel engines up to 550 hp [410 kw] <i>Contact Horton engineering for applications above this horsepower range.</i>
Fan blade capacity (diameter)	Application specific
Air pressure requirements	Minimum 90 psi [620.5 kPa]

# INSIDE INFORMATION

*Superior Performance*



### Applications

With precise temperature control, a DM Advantage or DriveMaster Fan Drive retrofitted with a PolarForce Two-Speed Conversion Kit is ideal for cooling refuse trucks, rear-engine cement mixers, school and city buses, fire trucks, severe-service vehicles and other on- and off-highway equipment with little to no ram air.

### Choose the Leader

Horton is the leader in reliability, service and innovation. Our comprehensive research and development processes ensure that our products exceed the demands of reduced-emission engines worldwide. We're driven to meet your needs today and in the future.

*Engine Cooling Solutions Worldwide\**



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### Horton Solution

### Your Benefit

Two-speed technology

- Higher torque for larger fans and higher ratios
- Up to 50% less noise
- Precise temperature control; ideal for vehicles with little or no ram air
- Superior operating efficiency and performance
- Quicker response to cooling needs
- More available power to haul up steep inclines
- Improved fuel efficiency
- Less wear and maintenance; higher reliability
- Less radiator abrasion from dust and debris
- Faster engine warm-ups in cold weather

### To Order

Part No. 995543, PolarForce Two-Speed Conversion Kit with 2.56" (65 mm) fan pilot.  
 Part No. 995547, PolarForce Two-Speed Conversion Kit with 5" (127 mm) fan pilot.