



PolarForce®

Two-Speed Conversion Kits

Reduce noise, save fuel and increase your engine's performance with Horton's PolarForce Two-Speed Fan Drive Conversion Kits. For less than the cost of a new fan drive, these conversion kits allow you to retrofit a DM Advantage® or DriveMaster® On/Off Fan Drive to two-speed fan drive technology.

PolarForce kits feature advanced components and the latest magnet design for efficient and reliable operation. They install easily—without removing the fan drive from the engine—and are compatible with any 2.56" (65 mm)* or 5" (127 mm)** fan pilot. The PolarForce Two-Speed Conversion Super Kits*** include a premium sheave bearing and are compatible with any 2.56" (65 mm) or 5" (127 mm) fan pilot. PolarForce Two-Speed Conversion Kits now feature large viewing ports for easy evaluation of friction liner wear.

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.



PolarForce DMA Conversion Super Kit***

Insist on Genuine Horton PolarForce Conversion Kits

*Part No. 995543, 2.56" (65 mm) fan pilot

**Part No. 995547, 5" (127 mm) fan pilot

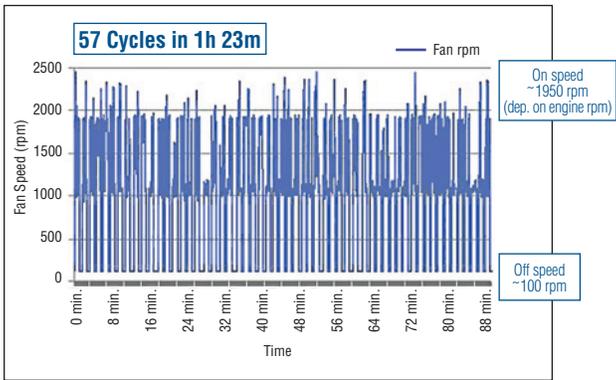
***Part No. 995582, includes a premium sheave bearing and 2.56" (65 mm) fan pilot

Part No. 995617, includes a premium sheave bearing and 5" (127 mm) fan pilot

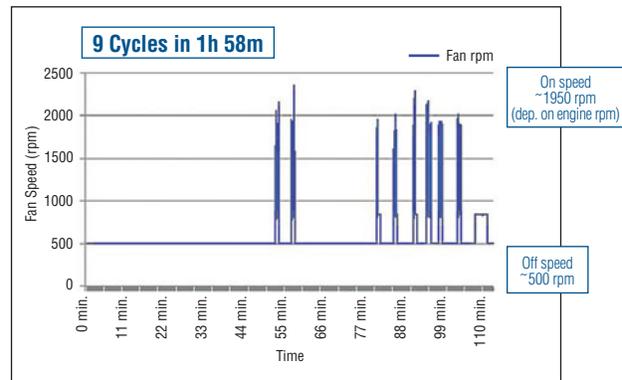
Engine **Cooling Solutions** Worldwide®



Fan Speed Over Time with DM Advantage® On/Off Fan Drive (August 18, 2009, New Jersey)



Fan Speed Over Time with DM Advantage Two-Speed Fan Drive (August 18, 2009, New Jersey)



Recommended Pulley (Sheave) Bearing Replacement Kit

As long as you are updating your on/off fan drive to two-speed technology, go one step further and upgrade the pulley bearing. The PolarForce Two-Speed Conversion Super Kit includes a premium sheave bearing and is available for any 2.56" (65 mm) or 5" (127 mm) fan pilot. See Horton's online catalog or contact customer service to help you select the right bearing kit for your fan drive.



Part No. 995548
Bearing Kit

Part No. 995574
DM Advantage Conversion Bearing Kit



Part No. 995584
DM Advantage Conversion Bearing Kit

Part No. 995582, 2.56" (65 mm) fan pilot
Part No. 995617, 5" (127 mm) fan pilot
PolarForce DMA Conversion Super Kit
(Complete kit combines 995543 and 995574)

PolarForce® Two-Speed Conversion Kit

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
- Improved fuel efficiency
- Less wear and maintenance; higher reliability
- Less radiator abrasion from dust and debris

Larger friction liner viewing ports

Easier evaluation of friction liner wear during maintenance

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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