

# DM Advantage<sup>®</sup> and PolarForce<sup>®</sup> DMA Conversion Super Kits



**DM Advantage Conversion Super Kits**  
Part Nos. 995568 (standard) and 995575 (long-bearing spacer applications), includes 61 mm bearing and spacer kits\*

*DM Advantage Conversion Super Kits include the latest technology. The Horton name means that the parts you use have been extensively tested for maximum performance.*

Featuring superior components, the DM Advantage Conversion Super Kit converts a standard DriveMaster<sup>®</sup> On/Off Fan Drive to a DM Advantage On/Off Fan Drive. The kit is easy to install and includes a premium double-row angular contact (DRAC) sheave bearing and improved air cartridge seal that provide 40 percent longer life, and a long-wearing friction liner for added reliability and reduced maintenance. Like all Genuine Horton Super Kits, these kits contain everything needed to completely rebuild a fan drive.

Once converted, the DM Advantage On/Off Fan Drive has the latest innovations and a fail-safe design for long-life performance. DM Advantage Fan Drives offer high performance and efficient engine cooling for heavy- and medium-duty trucks, buses and off-highway equipment.

- Increased reliability in high-horsepower applications
- Easy to install and maintain

For less than the cost of a new fan drive, the PolarForce<sup>®</sup> DMA Conversion Super Kit will retrofit a DriveMaster or DM Advantage On/Off Fan Drive to Two-Speed Technology. This kit, part number 995582, includes a premium DRAC (double-row angular contact) bearing and is compatible with any 2.56" (65 mm) fan pilot.



PolarForce DMA Conversion Super Kit, part number 995582



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\*Reference the Horton on-line catalog (repair options) if you have questions as to what kit will fit a specific fan drive.

# DM Advantage<sup>®</sup> and PolarForce<sup>®</sup> DMA Conversion Super Kits

## DM Advantage On/Off Fan Drives

Horton's DM Advantage On/Off Fan Drives are spring-engaged and air-disengaged for maximum efficiency. They are lighter, have high torque for turning larger fans, a fail-safe design and a low parts count for simplicity.

### DM Advantage On/Off Fan Drive Specifications

Actuation	Spring-engaged, air-disengaged
Minimum air pressure to disengage	90 psi [620.5 kPa]
Out-of-box torque	2400 in.-lbs. [271 N-m]
Friction disc diameter	7.9 in. [200.6 mm]
Fan blade capacity (diameter)	32 in. [813 mm]
Engine horsepower range	250-600 hp [186-447 kW]
Friction liner wear limit, minimum thickness	0.23 in. [5.76 mm]



## Premium Bearing vs. Deep-Groove Hub Bearing

### DM Advantage Bearing

- Double-row angular contact (DRAC) bearing (1 needed)
- 14 rolling elements per row
- Highest load capacity
- High contact angle – withstands more thrust load
- Dual-lip Viton<sup>®</sup> seals
- Highly heat-resistant grease
- Size:  
45 mm ID x 85 mm OD x 39 mm length



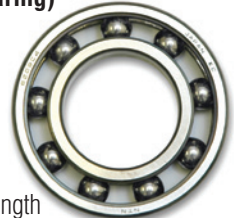
### Previous Technology

- Deep-groove bearings (2 needed)
- 10 rolling elements per row
- Preloaded to increase stiffness
- Dual-lip Viton seals
- Size:  
45 mm ID x 85 mm OD x 19 mm length



### Competitive Rear (Current Hub Bearing)

- Deep-groove bearings
- 9 rolling elements per row
- Low load capacity
- Not preloaded
- Size:  
45 mm ID x 85 mm OD x 19 mm length



### Competitive Front (Current Hub Bearing)

- Deep-groove bearings
- 9 rolling elements
- Not preloaded
- Lowest load capacity
- Size:  
35 mm ID x 72 mm OD x 17 mm length



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