



ENGINE COOLING SOLUTIONS FOR THE TOUGHEST ENVIRONMENTS



www.ngclark.com.au



**NORMAN G CLARK MANUFACTURE HORTON
FAN DRIVES, FANS AND FAN DRIVE REPAIR
KITS UNDER LICENCE IN AUSTRALIA.**



Norman G Clark have been representing various products in the Australian market since 1919.

Norman G Clark have manufactured, imported and distributed under license to Horton USA since 1963.

Norman G Clark have manufactured all Horton OEM Fan Drives in Melbourne Australia since 1980.

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HT/S XD FAN DRIVE

Features & Benefits

- ✓ OEM Specifications (Pre May 2016)
- ✓ Standard Temp Seals
- ✓ Standard Fine Spline Assy Bearing
- ✓ 30% greater tolerance of temperature extremes

Applications

- ✓ Designed for long life and harsh under hood environments
- ✓ All 9.5" Disc Horton HT/S Fan Drives
- ✓ Perfect for high run time applications
- ✓ For heavy duty diesel engines: B-Doubles & Roadtrains



HT/S SD OEM FAN DRIVE

Features & Benefits

- ✓ OEM Specifications (Post May 2016)
- ✓ High Temp HNBR (Blue) D-Ring & O-Ring Seals
- ✓ Higher Temp Outback Fine Spline Assy Bearing
- ✓ 30% greater tolerance of temperature extremes

Applications

- ✓ Designed for long life and harsh under hood environments
- ✓ All 9.5" Disc Horton HT/S Fan Drives
- ✓ Perfect for high run time applications
- ✓ For heavy duty diesel engines: B-Doubles & Roadtrains



HT/S OB UPGRADE FAN DRIVE

Features & Benefits

- ✓ Upgrade of OEM Specifications
- ✓ High Temp HNBR (Blue) D-Ring & O-Ring Seals
- ✓ Higher Temp Outback Fine Spline Assy Bearing
- ✓ Longer life
- ✓ **Red Piston Friction Disc** with finned design for increased heat dissipation

Applications

- ✓ Designed for long life in high ambient temperatures and harsh under hood environments
- ✓ All 9.5" Disc Horton HT/S Fan Drives
- ✓ Perfect for high run time applications
- ✓ For heavy duty diesel engines: B-Doubles & Roadtrains



HT/S SOB UPGRADE FAN DRIVE

Features & Benefits

- ✓ Upgrade of OEM Specifications
- ✓ High Temp HNBR (Blue) D-Ring & O-Ring Seals
- ✓ Higher Temp Outback Fine Spline Assy Bearing
- ✓ **Green Piston Friction Disc** with finned design for increased heat dissipation
- ✓ Single Higher Temp Outback DRAC Pulley Bearing

Applications

- ✓ Designed for long life in high ambient temperatures and harsh under hood environments
- ✓ Selected 9.5" Disc Horton HT/S Fan Drives*
- ✓ Perfect for high run time applications
- ✓ For heavy duty diesel engines: B-Doubles & Roadtrains
- ✓ Premium kit for Severe Outback Duty



*Please note the SOB Fan Drive is compatible for a selection of Norman G. Clark Fan Drives. Contact Norman G Clark to check availability.

F35008HD HEAVY DUTY HT/S REPAIR KIT

Features & Benefits

- ✓ Standard Temp NBR (Black) D-Ring & O-Ring Seals
- ✓ Standard Fine Spline Assy Bearing
- ✓ Longer life

Applications

- ✓ All 9.5" Disc Horton HT/S Fan Drives
- ✓ For heavy duty diesel engines: Singles



F35008SD SUPER DUTY OEM REPAIR KIT

Features & Benefits

- ✓ OEM Specifications
- ✓ High Temp HNBR (Blue) D-Ring & O-Ring Seals
- ✓ Higher Temp Outback Fine Spline Assy Bearing
- ✓ 30% greater tolerance of temperature extremes

Applications

- ✓ Designed for long life and harsh under hood environments
- ✓ All 9.5" Disc Horton HT/S Fan Drives
- ✓ Perfect for high run time applications
- ✓ For heavy duty diesel engines: B-Doubles & Roadtrains



F35008OB OUTBACK UPGRADE REPAIR KIT

Features & Benefits

- ✓ Upgrade of OEM Specifications
- ✓ High Temp HNBR (Blue) D-Ring & O-Ring Seals
- ✓ Higher Temp Outback Fine Spline Assy Bearing
- ✓ **Red Piston Friction Disc** with finned design for increased heat dissipation

Applications

- ✓ Designed for high ambient temperature long life and harsh under hood environments
- ✓ All 9.5" Disc Horton HT/S Fan Drives
- ✓ Perfect for high run time applications
- ✓ For heavy duty diesel engines: B-Doubles & Roadtrains



F35008SOB SEVERE OUTBACK PREMIUM REPAIR KIT

Features & Benefits

- ✓ Upgrade of OEM Specifications
- ✓ High Temp HNBR (Blue) D-Ring & O-Ring Seals
- ✓ Higher Temp Outback Fine Spline Assy Bearing
- ✓ Green Piston Friction Disc with finned design for increased heat dissipation
- ✓ Single Higher Temp Outback DRAC Pulley Bearing

Applications

- ✓ Designed for long life in high ambient temperatures and harsh under hood environments
- ✓ Selected 9.5" Disc Horton HT/S Fan Drives*
- ✓ Perfect for high run time applications
- ✓ For heavy duty diesel engines: B-Doubles & Roadtrains
- ✓ Premium kit for Severe Outback Duty





F3 FAN DRIVE REPAIR KITS

SERIES

STANDARD
TEMP
BLACK
SEALS

HIGH
TEMP
BLUE
SEALS

HIGH
TEMP
F/SPLINE
BEARINGS

HIGH
TEMP
FINNED
DISC

HIGH
TEMP
DRAC PULLY
BEARING

HD_{F3}
HEAVY DUTY REPAIR KIT



SD_{F3}
HEAVY DUTY OEM KIT



OB_{F3}
OUTBACK UPGRADE KIT



SOB_{F3}
SEVERE OUTBACK PREMIUM



**THE ONLY OPTION FOR
YOUR HORTON FAN CLUTCH**

NORMAN G CLARK
EST. 1919

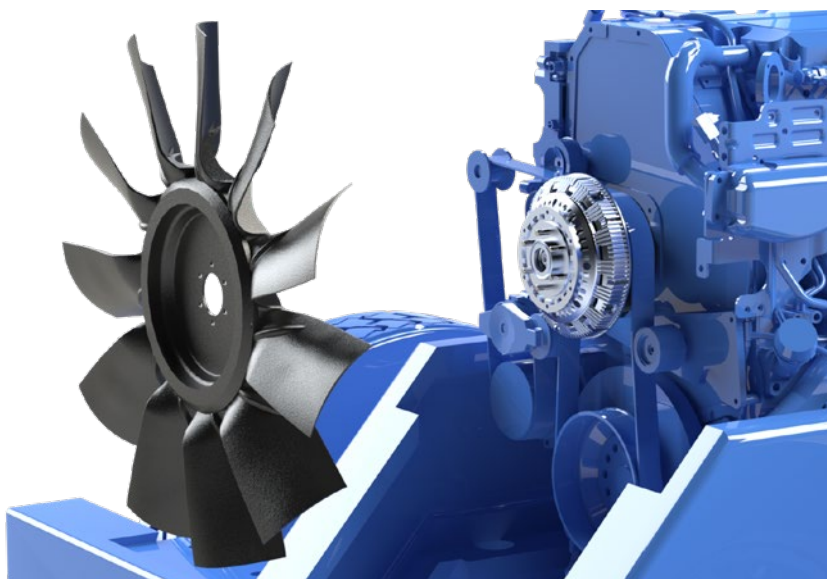


GENUINE PARTS MADE IN AUSTRALIA



DMA 2-SPEED FAN DRIVE

GENUINE PARTS
MADE IN AUSTRALIA



Horton's latest innovations assure you of maximum reliability and long-life performance. Hundreds of thousands of OEM installed Horton DM Advantage Fan Drives have performed flawlessly in the highest-heat under hood applications.

Applications

- ✓ Heavy-duty trucks
- ✓ Buses
- ✓ Truck cranes
- ✓ Rear-engine cement mixers
- ✓ Other on- and off-highway equipment without ram air

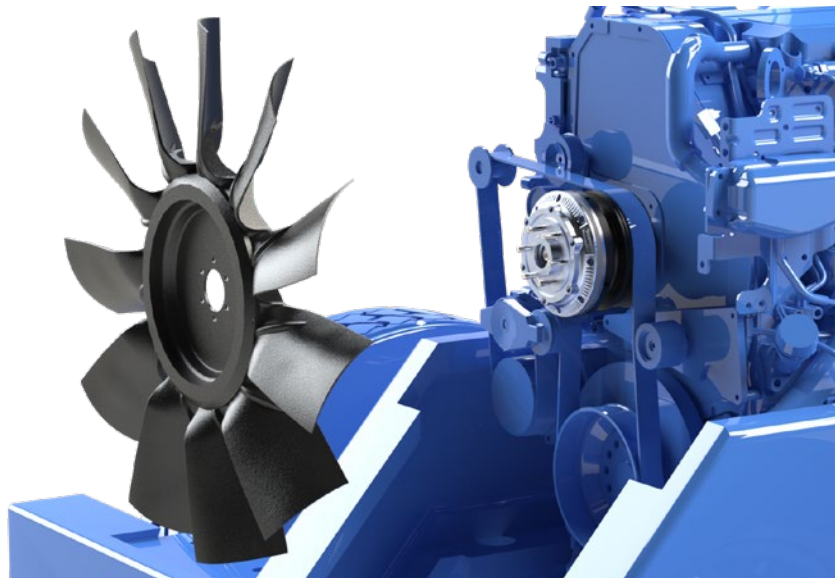
Features

- ✓ Low speed powered by eddy current
- ✓ Spring actuated when additional cooling is needed

Benefits

- ✓ Alternates eddy-current and spring-actuated cooling to moderate operating noise, increase available horsepower, conserve fuel and minimize radiator abrasion
- ✓ Allows faster engine warm ups in cold weather for operating efficiency
- ✓ Premium sheave bearing and long-wearing friction liner for maximum reliability and long operating life
- ✓ Fail-safe design and lower parts count for easy installation and maintenance
- ✓ Offers high torque for turning larger fans





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.

Applications

- ✓ Heavy-duty trucks
- ✓ Medium-duty trucks
- ✓ Buses
- ✓ Off-highway equipment

DM Advantage On/Off Fan Drives are a proven solution for the highest-heat, under-hood applications. This includes Class 5 through 8 trucks and buses as well as some off-highway vehicles and equipment.

Feature & Benefits

- ✓ Premium sheave bearing and long-wearing friction liner for maximum reliability and long life
- ✓ On- and off- operation reduces noise and conserves fuel
- ✓ Low parts count for ease of installation and maintenance
- ✓ High torque capable of turning larger fans for a range of application
- ✓ Engine coolant temperatures kept at optimum operating efficiency to increase durability
- ✓ Superior solution for some of the highest heat-under-hood applications





DUAL PILOT DMA 2-SPEED FAN DRIVE REPAIR KITS



Simplify your DM Advantage 2-Speed repair kit inventory with 50% less kits due to Dual Pilot!

Cover all of the DM Advantage on-highway fan clutch market with just six part numbers

- ✓ Dual fan pilot DMA-2S
- ✓ Reduce the number of SKUs for parts managers to stock
- ✓ Pre-assembled components with rapid repair functionality
- ✓ DRAC bearings - Provide highest durability
- ✓ No more spacers included - Option to purchase spacers separately (F25061)

DM ADVANTAGE® TWO-SPEED REPAIR KITS DUAL PILOT

NGC Repair Kits	Legacy NGC & Horton Repair Kits	Repair Kits Description
	FQ25230DP	FQ25055, FQ25056 Q995617-S
	FQ25239DP	FQ25031, FQ25033, Q995617, Q995582, 995617, 995582
	FQ25261DP	FQ25030, FQ25032, Q995617-L

Note: Separate Spacer Kit for 61mm DRAC Bearing Applications - F25061

DMA SINGLE SPEED FAN DRIVE REPAIR KITS



Simplify your DM Advantage repair kit inventory with 50% less kits.

Cover all of the DM Advantage on-highway fan clutch market with just six part numbers

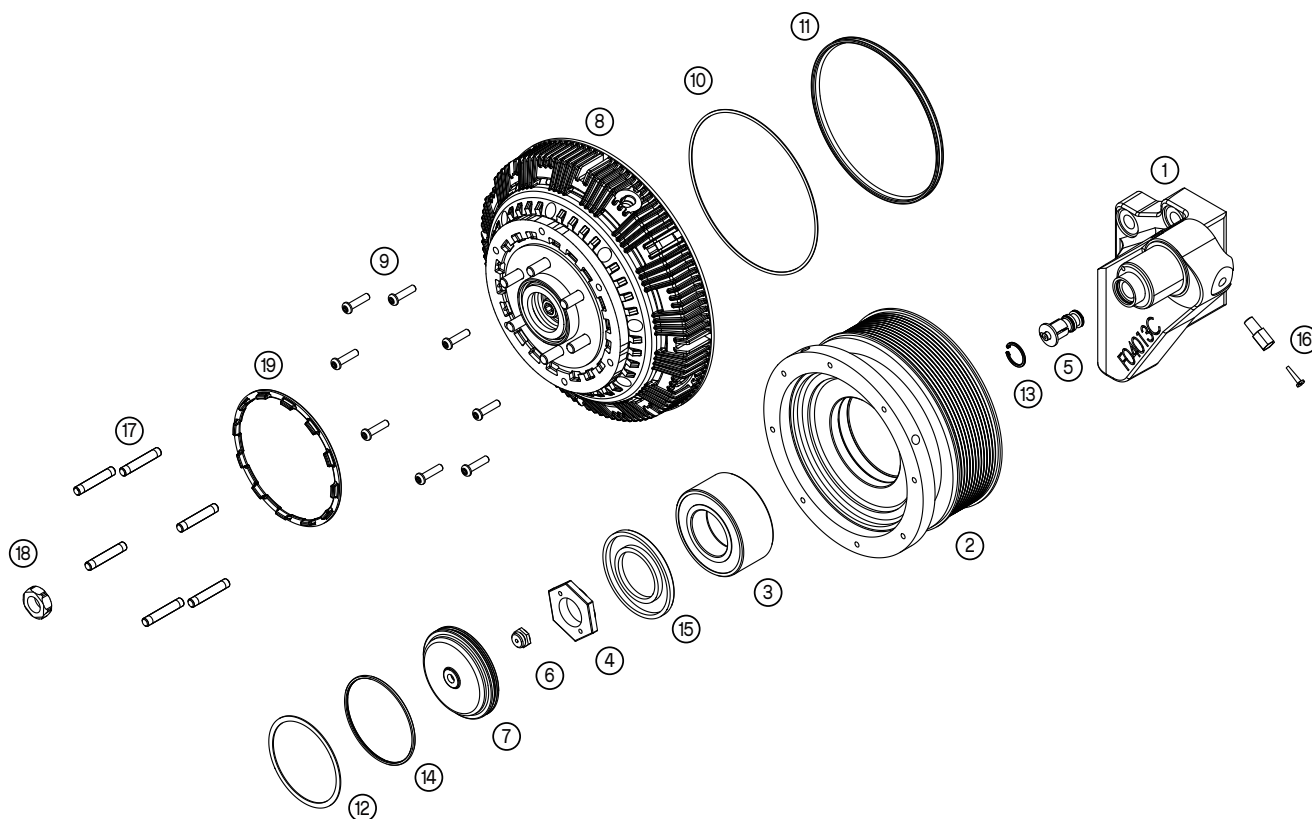
- ✓ Reduce the number of SKUs for parts managers to stock
- ✓ Pre-assembled components with rapid repair functionality
- ✓ DRAC bearings -Provide highest durability
- ✓ No more spacers included - Option to purchase spacers separately (F25061)
- ✓ Option to purchase On/Off 5" Pilot Spacer F25150

DM ADVANTAGE® REPAIR KITS SINGLE SPEED

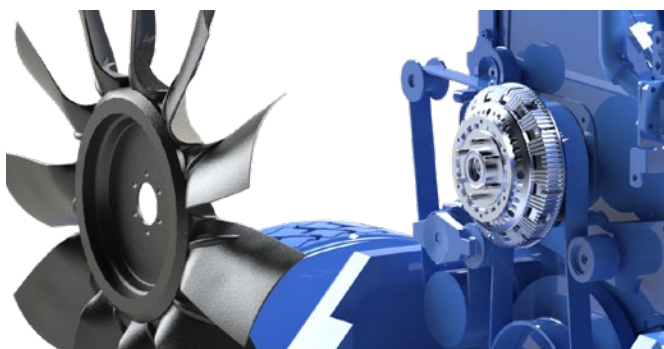
NGC Repair Kits		Legacy NGC & Horton Repair Kits	Repair Kits Description
	FQ25130	FQ25038, Q995569, 995669, 994353, 994902	DMA On/Off Single Speed 2.56" Pilot with 30mm DRAC Bearing
	FQ25139	FQ25017, Q995568 995530, 995568	DMA On/Off Single Speed 2.56" Pilot with 39mm DRAC Bearing
	FQ25161	FQ25018, FQ25058 Q995575, 995575, 995567	DMA On/Off Single Speed 2.56" Pilot with 61mm DRAC Bearing

Note: Seperate Spacer Kit for 61mm DRAC Bearing Applications - F25061
 Note: Option of Dual Pilot Ring for 5" applications available - F25150

DMA 2-SPEED HORTON FAN DRIVE GENERIC VIEW

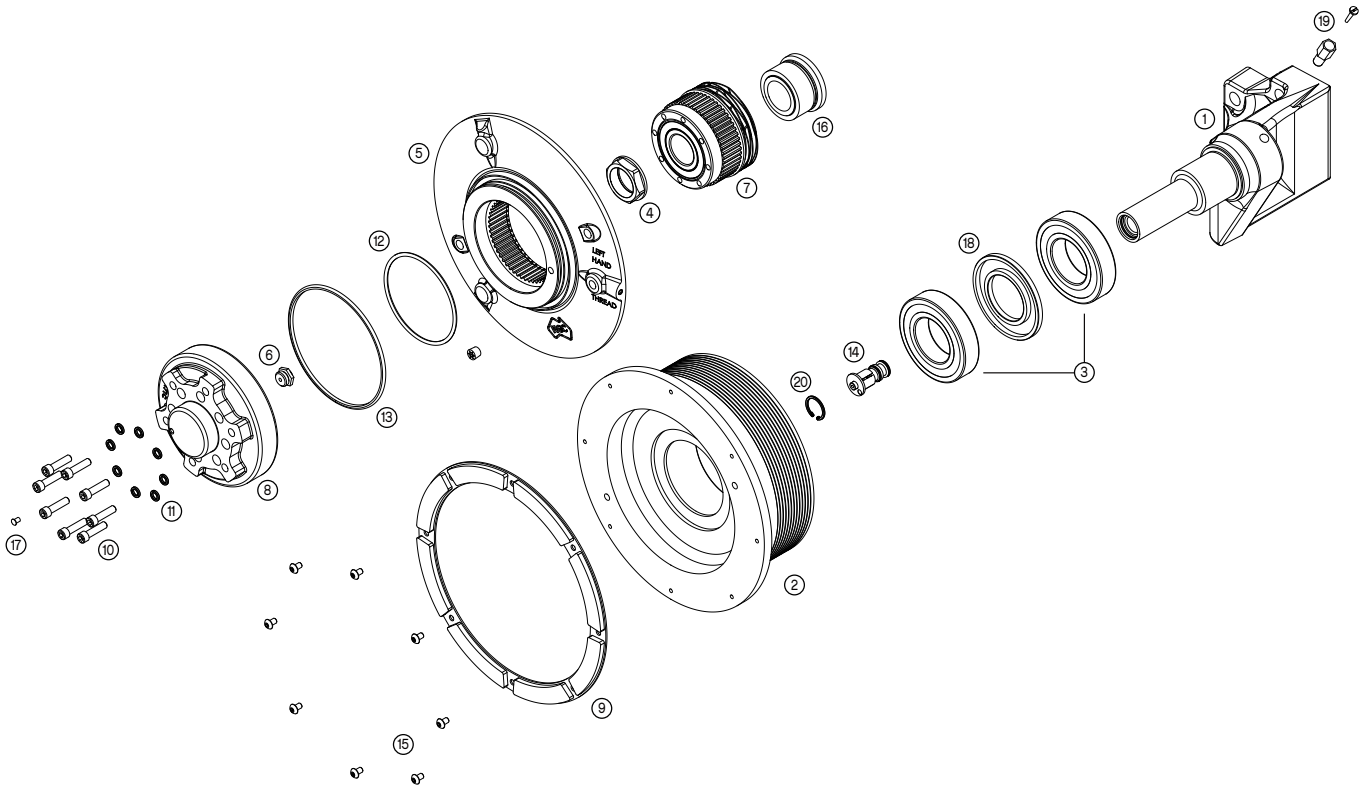


DESCRIPTION	QTY	DESCRIPTION	QTY
1 Journal Bracket	1	10 O-Ring	1
2 Pulley/Sheave	1	11 Quad Cup Seal	1
3 Bearings DRAC 39mm	1	12 Retaining Ring	1
4 Lock Nut	1	13 Retaining Ring	1
5 Cartridge Assembly	1	14 O-Ring	1
6 Face Seal	1	15 Spacer Set	1
7 Air Chamber Cap	1	16 Restrictor Brass	1
8 FMFD DMA 2-Speed	1	17 Stud	6
9 Button Head Screw	8	18 Jam Nut (Left Hand Thread)	1

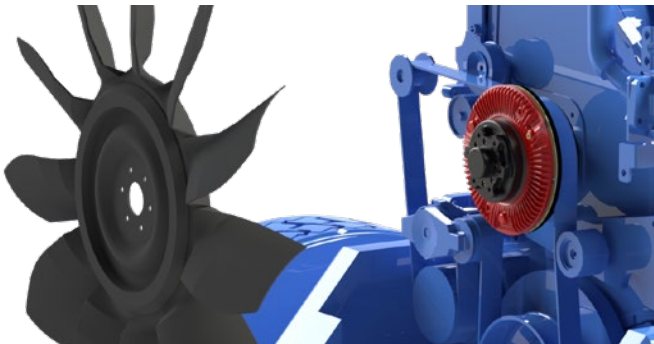


WATCH THE DMA 2-SPEED ASSEMBLY VIDEO

HT/S HORTON FAN DRIVE GENERIC VIEW



DESCRIPTION	QTY	DESCRIPTION	QTY
1 Journal Bracket	1	11 Washer Spring	8
2 Pulley/Sheave	1	12 O-Ring	1
3 Bearings (Match Ground Pair)	1	13 D-Ring	1
4 Lock Nut (Right Hand Thread)	1	14 Air Cartridge Assembly	1
5 Piston Friction Disc Assembly	1	15 Button Head Screw	8
6 Face Seal	1	16 Hub-Journal Spacer	1
7 Fine Spline Hub Assembly	1	17 Plug Umbrella	1
8 Air Chamber 2" Pilot	1	18 Spacer Set	1
9 Friction Facing (Sintered Bronze)	1	19 Brass Fitting & Restrictor	1
10 Screw Cap	8	20 Retaining Ring	1



WATCH THE HT/S ASSEMBLY VIDEO



Norman G. Clark have developed a range of Horton HT/S Conversion Kits which will bolt straight in to replace the existing or factory fitted Kysor and/or Horton DMA-2S Fan Drive.

The kits will include a new Horton HT/S Fan Drive and Solenoid-Filter assembly for the HT/S Conversion. The new HT/S Fan Drive will have a Ø2.56" pilot to use the existing fan.

The benefits of the Horton HT/S are that it has a lock-up facility and that spare parts are

manufactured and supported locally through Norman G. Clark. These HT/S kits also allow fleets to convert all their USA trucks to one Fan Drive type and streamline their spare parts.

Refer to table below to determine correct NGC HT/S Conversion Kit required:

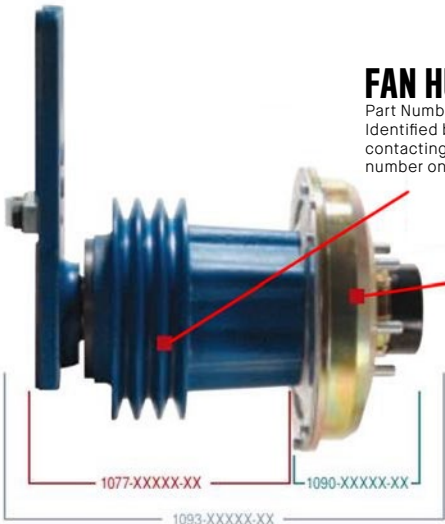
	Model Engine Kysor OEM	Part No.	Kysor OEM Part No.	Horton OEM DMA-2S Part No	NGC Outback DMA-2S Part No.	NGC HT/S Conversion Kit
Western Star	WST 4800/4900 (& 6900)	ISX	010024142	98A9569-2	FDMA91342-2S	FHK91342SD
	WST 4800/4900 (& 6900)	DD13/15	010023623 010032433 (200mm)	98A9570-2	FDMA91506-2S (200mm)	FHK91506SD
Freightliner	Argosy	DD13/15		98A9779-2	FDMA91503-2S	FHK91503SD
	Argosy	ISX		98A9778-2	FDMA91336-2S	FHK91336SD
	Coronado	DD15	010023866 010023867	98A8621-2 98A8262	FDMA91504-2S	FHK91504SD
	Century Class CST112	DD13	010023622 010026148 010032450	98A9746 98A8266	FDMA91505-2S	FHK91505SD

The part numbers remain constant for easy recognition for each application however they now have the HT/S suffix and prefix.

The conversion kit will include the HT/S Fan Drive and solenoid with fittings for conversion from Kysor Fan Drive to Horton HT/S, and 2.56" piloted spacer or re-use existing OEM fan

BorgWarner on/off rear air Fan Drive assemblies are two-piece systems. The first piece is the Fan Hub, which consists of an assembled pulley and mounting bracket. The second piece is the Fan Drive, which turns on and off to engage the fan when cooling is required. (Most part numbers start with 1077, 1093, or 1090, but some newer hubs and assemblies start with 0100.)

Part number 1093-XXXX-XX refers to an entire BorgWarner-Style Fan Drive assembly. It is for reference purposes only and not available for ordering. The cross-reference guide that begins on the following page will break the assembly down into two part numbers for you to order (the Fan Hub number and Fan Drive number). If you are only replacing the Fan Drive portion, you should also consider replacing the pulley bearings.



FAN HUB

Part Number 1077-XXXX-XX
Identified by tag on bracket or by contacting us with the casting number on bracket

FAN DRIVE

Identified by tag on Fan Drive or by using cross-reference based on Fan Hub part number,

KLONDIKE FAN DRIVE REPAIR KITS

Replacement Fan Drives for Kysor® K26RA & Repair Kits for K26RA and K26FA

The Klondike includes a replacement Fan Drive for Kysor K26RA; K26RA Major Kits, K26 Seal Kits and Lining Kits for repairing Kysor K26 rear- or front-air Fan Drives; and five Hub Bearing Kits.



With Klondike Series products, you get guaranteed on-time delivery and the reliable industry-leading support you need to keep your fleet running smoothly.

- Fan Drive replacement engages without air pressure to keep the engine cool

Applications

- Horton quality and reliability
- Reliable industry-leading support
- Interchangeable with original equipment Fan Drives and parts.
- Medium & Heavy-duty trucks
- Buses

HORTON KLONDIKE SERIES KYSOR FAN DRIVE REPAIR

NGC Part No.	Description	OEM Part No.	Crossreference Part No.	Picture
F850002	Horton Klondike K32 Rear Air Dual Pilot Fan Drive (Supersedes F850001)	1090-08500-01, 1090-09500-01B, 1090-09650-01B, 1090-09900-01B, 1090-09900-01, 1090-09600-01B, 1090-09950-01B, 1090-09750-01B, 1090-09500-01, 1090-09600-01, 1090-09650-01, 1090-09650-01B, 1090-09750-01	International 2602141C91, International 2509380C91, International 2514343C91, Kit-Masters 8905N, Kit-Masters 8805X, Kit-Masters 8901X, Kit-Masters 8801X, Kit-Masters 8801N, Kit-Masters 8801, Mack 85114233, Mack 8511808, Mack 85108716	
F860001	Horton Klondike Front Air Fan Dual Pilot Fan Drive	1090-07050-01, 1090-05262-01, 1090-06620-01, 1090-06060-02, 1090-06060-03, 1090-08000-05, 1090-07050-03, 1090-09000-05, 1090-09000-05A, 1090-06620-02, 1090-05261-02, 1090-08601-02, 1090-09000-01,	Kit-Masters 8001N, Kit-Masters 8001X, Kit-Masters 8005X	



RCV250 FULLY VARIABLE FAN DRIVES

Lighter with a compact design, RCV250 Fully Variable Fan Drives are engineered to turn larger fans that require higher torque. The RCV250 is an integrated belt-driven fan drive that can be mounted in various locations to eliminate the vibration inherent in traditional driveshaft-mounted fan drives.

- Fully variable speed control reduces operating noise, lowers fuel costs and

provides cold weather performance advantages

- Compact and lighter weight vs. competition with Horton's one-piece design for ease of installation
- Industry-leading, double row, angular contact (DRAC) bearing for increased durability and product life
- Maintenance free
- Innovative design provides for faster response time and lower off-speed decreasing parasitic loss to preserve horsepower and provide effective cooling
- Unexposed control harness means no drive replacement if belt breaks
- Smooth fan engagements and fan modulation
- No friction liners or wear parts to replace



DUAL SPEED RCV250 VISCOUS FAN DRIVE CONVERSION KITS

Application	Original Fan Drive Part Number	RCV250 Conversion Kit Part Number
Western Star 4800 / 4900 with DD15	98A9570-2 / FDMA91506-2S	FCMK91506
Western Star 4800 / 4900 with Cummins ISX	98A9569-2 / FDMA91342-2S	FCMK91342
Freightliner Argosy with DD15	98A9779-2 / FDMA91503-2S	FCMK91503
Freightliner Coronado with DD15	98A8621-2 / FDMA91504-2S	FCMK91504
Freightliner Argosy with Cummins ISX	98A9778-2 / FDMA91336-2S	FCMK91336

- Kit to convert pneumatic Fan Drives to viscous Dual Speed Fan Drive for longer service life
- Kit includes RCV250 Fan Drive, Fan and Wiring Loom to operate Fan Drive from existing solenoid signal
- No other programming changes required.



FANS

HORTON & ACS FANS

- ☒ 8/9/11 BLADE

Features & Benefits

- ☒ Various Fan Diameters 24in - 32in
- ☒ Various Pilot Diameters 2.0in / 2.56in / 5.0in
- ☒ Multiple Plate Positions: Flat Plate, Dished Forward & Dished Rearward
- ☒ Pusher & Sucker fans
- ☒ Can retro-fit Borgwarner/ Kysor/ Behr-Mahle fans



For all Horton Fan Drive Repairs, HT/S or DMA, an Air Decay test is critical to ensure all seals are seated properly and there are no air leaks to ensure the Fan Drive is functioning correctly for greatest durability.

Note: For correct analysis the whole Fan Drive system should be checked for air leaks and correct function prior to refitment to prevent a repeat failure and ensure maximum Fan Drive life.

PN° ADT150



PRESSURE PROTECTION KITS

To be used for Air On – Fan Off Fan Drives such as Drivemaster and Drivemaster 2-Speed.

Kit supplied with a solenoid, filter and pressure switch. The solenoid will not open until 90psi air pressure is detected. This keeps the fan On and protects the Fan Drive from slipping caused by low pressure.



INDEX HEAVY DUTY PRESSURE SWITCHES

Index Heavy-Duty Pressure Switches are ideal for a wide range of heavy vehicle and equipment applications where durability and reliability are crucial.

Index switches are proven to withstand the shock and vibration of harsh underhood and off-road conditions.

Solving the Challenges of Demanding Applications

- Exceptional vibration resistance.
- Specially designed for long life on heavy-duty equipment; up to 1,000,000 cycles.

- Special time delay and diagnostic features available.
- Pressure indication, interlock, and control for engines, transmissions, hydraulics, fluid tanks, and similar industrial applications.
- Broad media compatibility: air, oil, water, coolant, hydraulic fluid, transmission fluid, and more.
- Custom-specifiable set and reset pressures.
- Tight tolerances where high precision is needed. Stable, drift-free calibration.
- Choice of fittings and connectors.



SOLENOID FAN DRIVE CONTROLS

- Designed for all vehicle cooling applications
- Designed for excessive heat and vibration
- Developed for the most extreme under-hood applications
- Toughest valve on the market
- The solenoid valve is the key to proper fan

- drive operation
- Available in 12V & 24V
- Solenoid valve and filter sold separately in universal kit
- Fully assembled kits also available





HTEC FANS

Horton Thermoset Engineered Composite

47"- 96" Diameter Range

Increased Airflow Versus
Comparable Metal Fans

Reduced Fuel Consumption

Compatible With
All Fan Drives

OEM Approved

Higher Speed Rating Than
Comparable Metal Fans

Best in Class Durability

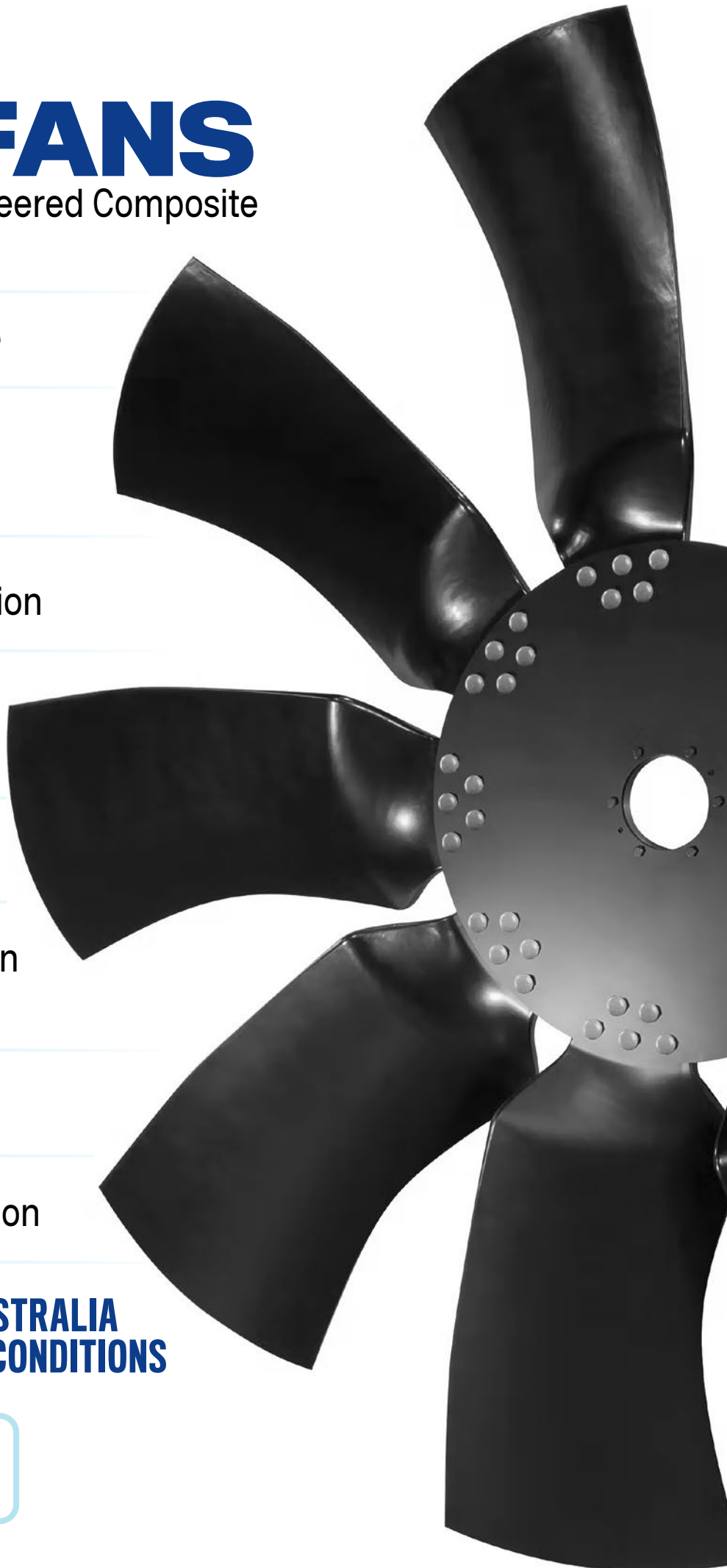
Significant Noise Reduction



**ASSEMBLED IN AUSTRALIA
FOR AUSTRALIAN CONDITIONS**



WATCH HTEC FANS VIDEO



HTEC1800 SERIES FAN

Thermoset composite provides for metal like strength but efficiency of moulded nylon. High speed ratings with low noise and corrosion resistant properties.

Available diameter range:
1,194 – 1,829 mm [47" – 72"]

Diameter	47"-72" 1194-1829 mm
Pilots and Mounting	Standard and customizable mounting available, including straight and tapered bores
Weight	17kg / 30lbs and up
Max Tip Speed	112m/sec 22,000 ft/min

**HTEC2500 SERIES FAN**

Thermoset composite provides for metal like strength but efficiency of moulded nylon. High speed ratings with low noise and corrosion resistant properties.

Available diameter range:
1,651 – 2,438 mm [65" – 96"]

Diameter	65"-96" 1651-2438mm
Blade Configurations	5 to 17
Pilots and Mounting	Standard and customizable mounting available, including straight and tapered bores
Weight	41kg / 90lbs and up
Max Tip Speed	112m/sec 22,000 ft/min





HM1400 SERIES FAN

The HM1400 fan utilizes the optimized blade design of the HTEC fan family while providing the reduced weight of the proven Horton nylon.

This combination allows efficient, customizable performance to meet your cooling needs in mid-range fan diameters.



FEATURES & BENEFITS

- ✓ Increased airflow and efficiency
- ✓ Optimized blade design
- ✓ Lightweight durable blades
- ✓ Flexible design for most any application
- ✓ Available in a variety of blade counts and center-disk diameters
- ✓ Highly compatible with Horton and competitive fan drives

FAN CROSS REFERENCE LIST

Norman G. Clark currently have HTEC designs for several Off-Road Makes and Models as listed.

CUSTOM FANS

If you have a specific application not listed please speak with a Norman G.

Clark representative as we can design and assemble a HTEC fan in Australia that best suits your application and needs: be it increased durability, improved air flow and efficiency and/or reduced fan noise.

APPLICATION	MAKE	MODEL	OEM P/N
HAUL TRUCK	CAT	776, 777, 777C, 777D, 777B, 777F	4N-4030
	CAT	785C, D 789, 789B	110-2740
	CAT	785D	510-7285
	CAT	789C, 793C	110-2735
	CAT	789D	362-7762
	CAT	793D 11 BLADE	196-9172
	CAT	793D 13 BLADE	290-9751
	CAT	793F	317-2744
	CAT	795F	175-5280
	HITACHI	EH5000AC2 MTU	E12644139
	HITACHI	EH5000AC3 MTU	4673206
	KOMATSU	960E	PC0665
	KOMATSU	HD1500-8	562013A310
	KOMATSU	830E MTU	PC0210
	KOMATSU	HD785-7	600-645-7450
	LIEBHERR	T264	10339533
	LIEBHERR	T282B, T282C	13074-M
	TEREX	MT4400 68□	468-5928
	TEREX	MT4400 77□	468-5929
	TEREX	MT6300	530-0073
EXCAVATOR	CAT	6060 OIL COOLER	534-9216
	CAT	6060 ENGINE FAN	485-9267
	CAT	6090 OIL COOLER	533-8738
	CAT	6090 ENGINE FAN	533-9967
	LIEBHERR	996 ENG FAN	5611091
WHEEL LOADER	CAT	994D, 994F, 994H	110-4377

Windshift™ Fans

Innovative clamshell knuckles attachment system provides flexibility in terms of pitch angles and three different blade shapes for optimized performance. Available diameter range: 610 – 1,320 mm [24" – 52"]



Shogun Modular Fans

Ideal for reduced-emission engines with flexibility in terms of blade counts and bolt circles fastened by rivets to a durably-constructed centre disk. Available diameter range: 406.4 – 559 mm [16" – 22"]



Metal Standard Fans

Highly customisable, with multiple blade configurations in steel or aluminum. Available diameter range: 254 – 2,438 mm [10" – 96"]



NORMAN G CLARK

EST. 1919

BRANDS

nexen.



PARATECH®



Ralphs-Pugh Co



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