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**1**

# **ON/OFF FAN CLUTCH**



# ON/OFF FAN CLUTCH



## 5,000 INCH-LBS. OF TORQUE

Enough to handle any fan

## EASY INSTALLATION REDUCES

9 individual components into one component assembly. Less components equals less mistakes

## EXCLUSIVE FAIL-SAFE FEATURE

Automatically engages fan clutch when it nears the end of its life, preventing on-road failures

## EVERYTHING IN ONE KIT

No additional bearing kit required

## PART NUMBERS

QABP N2014256

QABP N20142561

# SAVE TIME AND MONEY WITH THE ULTIMATE FAN CLUTCH KIT



# ON/OFF FAN CLUTCH

**Long-lasting friction plus  
a two o-ring shaft combine for  
ultimate performance**

## REPLACEMENT FOR

K22, K26, K30 & K32

## HIGHEST TORQUE RATING

Torque Rated for 30" Fans & Larger

## EXCLUSIVE FAIL-SAFE FEATURE

Automatically engages fan clutch  
when it nears the end of its life,  
preventing on-road failures

## FAN PILOT FLEXIBILITY

Our one fan clutch has both  
2.56" & 5" fan pilots to cover  
more applications

## SUPERIOR O-RING MATERIALS

Viton and Urethane O-rings help avoid air leaks

## TWO O-RINGS ARE BETTER THAN ONE!

Our extended shaft allows for  
the addition of a urethane o-ring for  
resilience to motion, and a Viton® o-ring  
to create a superior air barrier.

# DUAL SEAL PROTECTION

## PART NUMBER

**QABP N208801N**



**2**

# 2 SPEED FAN CLUTCHES



# 2-SPEED FAN CLUTCHES

**5,000 INCH-LBS. OF TORQUE**

Enough to handle any fan

**EASY INSTALLATION REDUCES**

9 individual components into one component assembly. Less components equals less mistakes

**EXCLUSIVE FAIL-SAFE FEATURE**

Automatically engages fan clutch when it nears the end of its life, preventing on-road failures

**EVERYTHING IN ONE KIT**

No additional bearing kit required

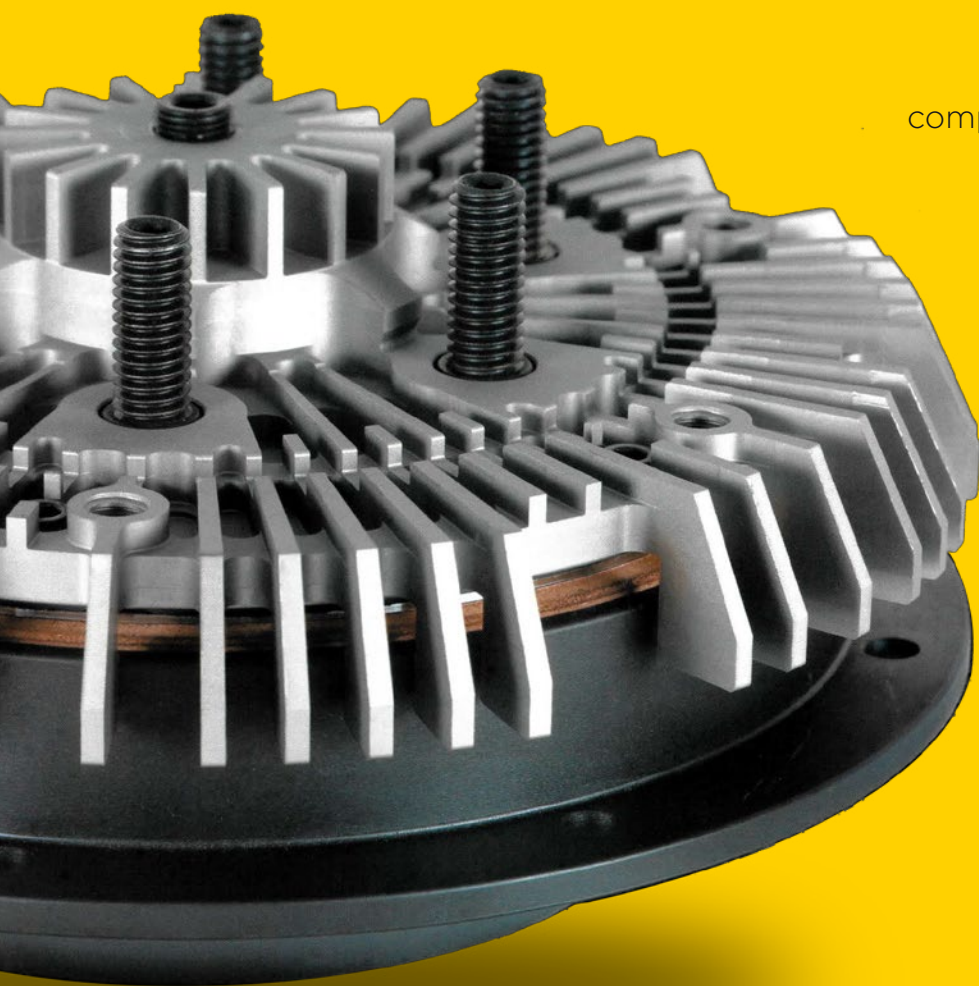
**KEEP YOUR CURRENT FAN**

Includes 2.56" and 5" fan pilot

**PART NUMBERS**

**QABP N2024256**

**QABP N20242561**



# THE ULTIMATE 2-SPEED FAN CLUTCH REBUILD KIT

## WHY USE A 2-SPEED FAN CLUTCH INSTEAD OF AN ON/OFF FAN CLUTCH?

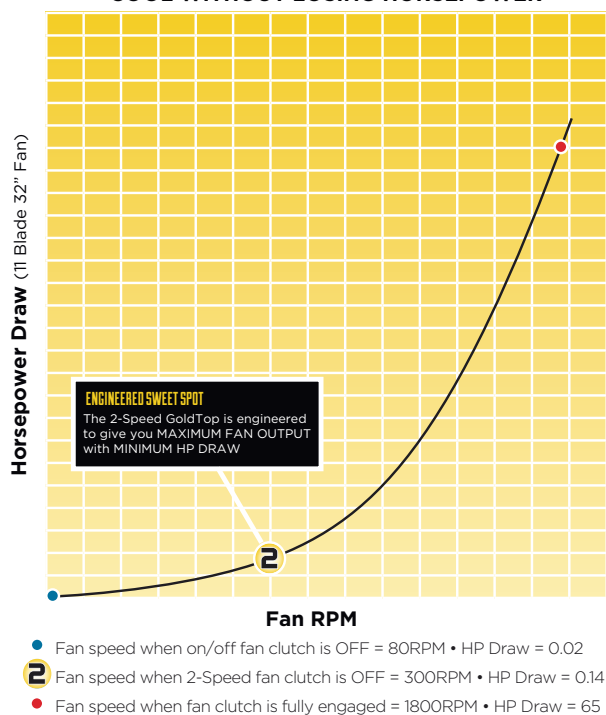
In vocational applications, where the fan clutch engagement time exceeds 10% of the engine run time, SWITCH TO a 2-Speed fan clutch to save horsepower and fuel.

In a 2-Speed fan clutch, when the fan clutch is disengaged, the fan still rotates at between 15% and 25% of the engine RPM, this fan rotation provides crucial airflow to the engine and draws virtually no horsepower.

## FEATURES & BENEFITS OF CONVERTING TO A 2-SPEED FAN CLUTCH



### COOL WITHOUT LOSING HORSEPOWER



### HORSEPOWER SAVINGS

A fully engaged fan clutch absorbs a massive amount of horsepower. Fewer fan clutch engagements will recapture that lost power.

### IMPROVED FUEL ECONOMY

It takes horsepower to drive a fan blade. As you recapture your lost horsepower, you improve fuel economy.

### HORSEPOWER SAVED = FUEL MILEAGE EARNED

### LONGER FAN CLUTCH LIFE

A fan clutch has in its life a given amount of engagements. When engaged 10% or less it should last 4-6 years. Increasing engagement cycles reduces life. Providing constant cooling means reducing engagement cycles and this will improve the life of the fan clutch, fan belts and belt tensioner.

### LOWER UNDER-HOOD TEMPERATURES

Excessive heat causes stress on your engine and its components. The viscous engagement of the 2-Speed GoldTop provides continual air flow to the engine compartment.

### DRIVER COMFORT

A fully engaged fan clutch makes a lot of noise. Fewer engagements will improve driver comfort, a key factor in driver retention.

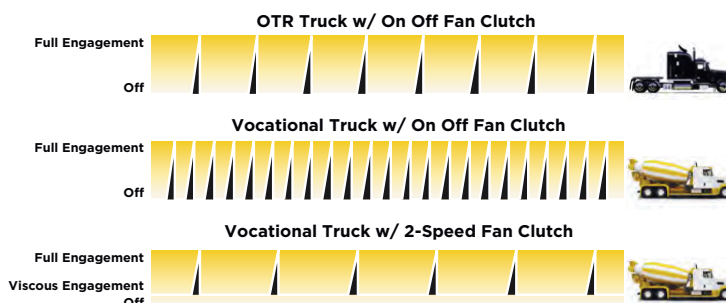
### EASY INSTALLATION

Kit Masters has been making fan clutch rebuild kits user-friendly for years, and the 2-Speed GoldTop kit continues that tradition. With fewer individual components, installation is a breeze.



## REDUCE THE FREQUENCY OF FAN CLUTCH ENGAGEMENTS

Provide constant air flow without robbing horsepower by utilizing approximately a 15-25% Viscous Engagement. The 2-Speed fan clutch delivers crucial CFM to the engine compartment, keeping a more consistent engine temperature with fewer full fan clutch engagements.



## 2-SPEED FAN CLUTCH REBUILD/CONVERSION KITS

- Rebuild your current 2-Speed fan clutch, or convert your on/off fan clutch to a 2-Speed. One kit does both!
- Fewer fan clutch engagements
- Better fuel mileage
- Highest torque rating
- Less time to install
- Interchangeable fan pilots
- Lower Cost
- 200,000 mile/2 year warranty
- No need for separate bearing kit
- Higher quality internal components



## VERSATILITY FOR BETTER COVERAGE

Fan pilot sizes vary. The 2-Speed GoldTop's innovative design allows you to transform the standard 2.56" pilot into a 5" pilot by simply installing a pilot adapter ring and six new fan studs (included). No need to replace your fan or buy a different 2-Speed kit.



2.56" Fan Pilot (standard)



Easily converted to 5" Fan Pilot

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# **PRE-2001 FAN CLUTCH REBUILD KITS**

FEATURES & BENEFITS:

- U.S. Components and U.S. Manufactured
- Two Bearing Hub vs. One Bearing Hub Design
- Higher Quality Bearings
- Angular Contact Bearing
- Higher Quality Lining
- Superior Fused Plate (Virgin Teflon vs. Lead)
- Superior O-Rings (Viton vs. NBR)

CROSS REFERENCE

OEM#	ALLIANCE #
994305	ABP N209500HP
994307	ABP N207500HP
994308	ABP N209500HP
994322	ABP N209500HP
994324	ABP N207500HP
994388	ABP N209500HP
994389	ABP N209500HP



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# **FAN BLADES**

## HOW TO IDENTIFY YOUR FAN BLADE

If you cannot find a part number on your fan blade, simply gather the following information:

### 1. ROTATION

Place your fan engine side down on the floor/counter. Look at the blade that is in the 12 o'clock position. One side of the blade will be resting on the floor and one side will be raised.

- If the Right side is raised, your fan is Clockwise.
- If the Left side is raised, your fan is Counterclockwise.

### 2. NUMBER OF BLADES

Simply count the number of blades. Available options range from 6 to 11 blades.

### 3. PROJECTED WIDTH (PITCH)

Place your fan engine side down on the floor/counter. Measure the distance from the floor/counter to the highest point of an undamaged blade.

### 4. FAN PILOT

Measure the opening of the center fan plate using a caliper. If the fan pilot is lemon shaped (see photo 4a) your pilot will always measure 2.56". You will need to specify the lemon shaped pilot when ordering. Choose one of the following:

1"	2"	2.05"	2.56"	5"
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*These are the most common pilot sizes - other sizes available.*

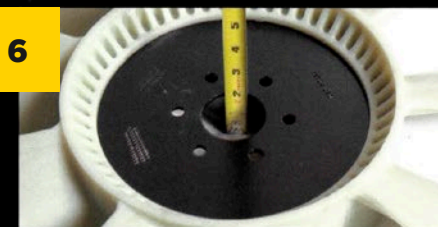
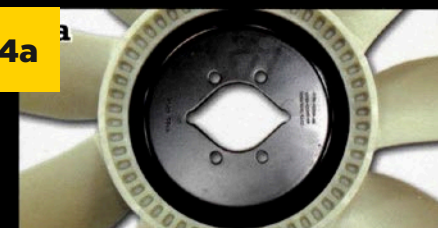
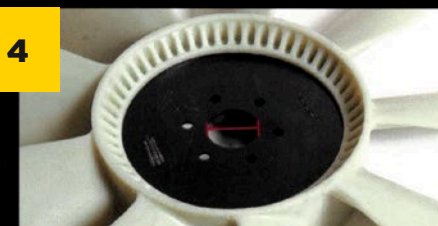
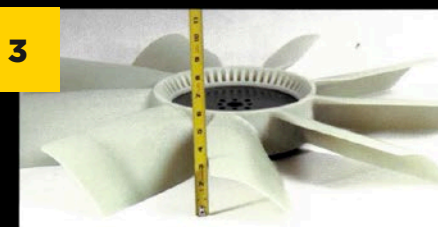
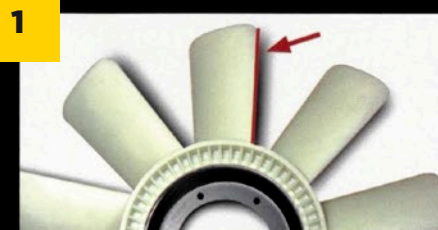
### 5. FAN DIAMETER

Measure the overall diameter of your fan at its widest point.

### 6. BACK TO BACK (DISH)

Place your fan engine side down on the counter/floor. Put a tape measure through the pilot hole and measure the distance from the floor/counter up to the bottom of the fan plate in the center.

Once you have gathered this information, contact your Alliance Truck Parts dealer to determine a part number.



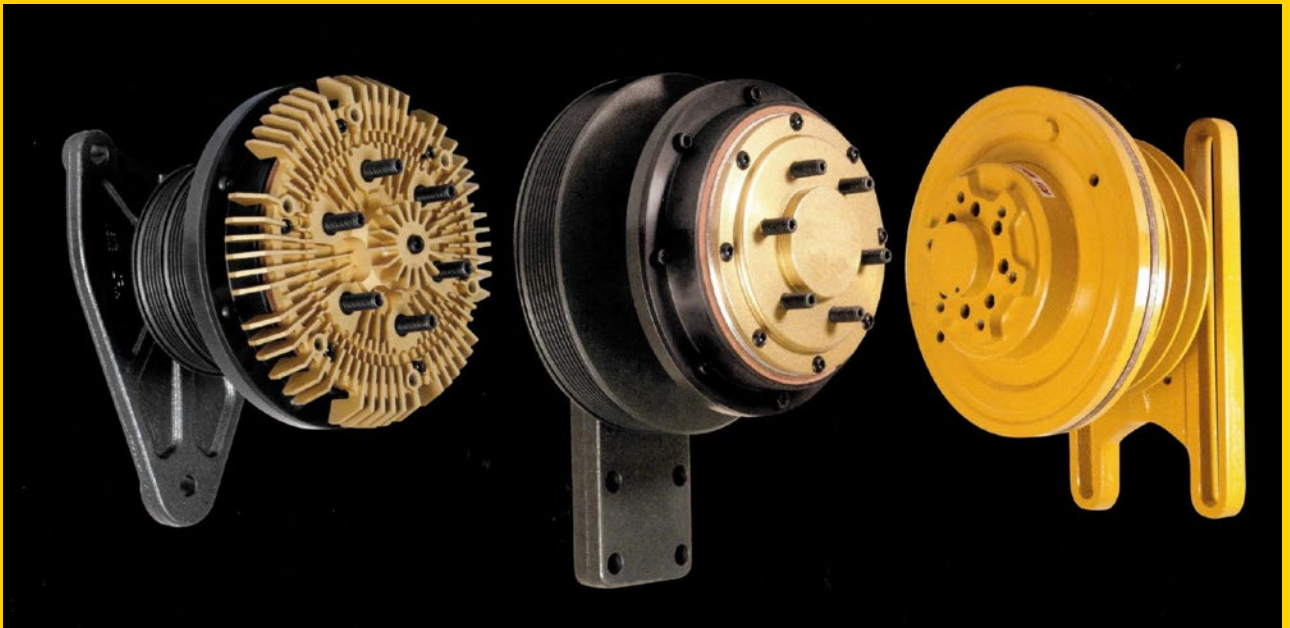
**FAST SHIPPING AVAILABLE ON  
FANS THROUGH DIRECT SHIP  
PROGRAM.**



# REMANUFACTURED FAN CLUTCHES

**Better than new quality at a  
fraction of the price!**

2 Year/200,000 Kilometer Warranty



# REMANUFACTURED FAN CLUTCHES AVAILABLE



**HT550<sup>®</sup> / HT650<sup>®</sup> CONVERSIONS**

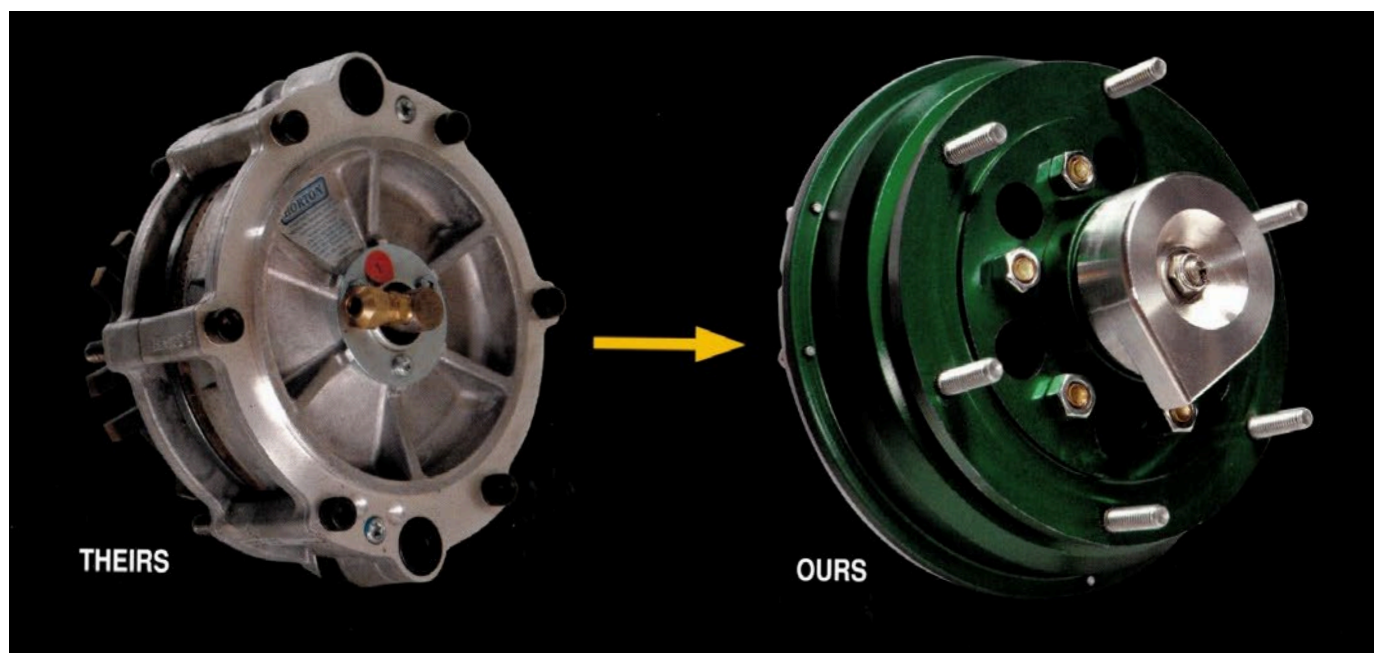
**6**

# **FAN CLUTCH CONVERSIONS**

## HT550® / HT650® CONVERSIONS

**Our conversion clutches are direct replacement /upgrades for Mack applications of the HT650®/HT550® fan clutches**

2 Year/200,000 Kilometer Warranty



## CROSS REFERENCE

OEM#	ALLIANCE #	OEM#	ALLIANCE #	OEM#	ALLIANCE #
981418	ABP N20 8011N	991400	ABP N20 8011N	991435	ABP N20 8009N
981419	ABP N20 8011N	991402	ABP N20 8011N	991439	ABP N20 8009N
981420	ABP N20 8011N	991405	ABP N20 8011N	991446	ABP N20 8011N
981442	ABP N20 8009N	991419	ABP N20 8011N	991450	ABP N20 8010N
981445	ABP N20 8010N	991420	ABP N20 8011N	991451	ABP N20 8009N
981446	ABP N20 8009N	991428	ABP N20 8009N	991454	ABP N20 8015N

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**WARRANTY**

## WARRANTY

Alliance Truck Parts are backed by a 1-year/unlimited-Kilometer standard warranty.

## DID YOU KNOW

**You can use alliance brand fan clutches to replace warranty fan clutches**







**FIND YOUR NEAREST LOCATION AT [ALLIANCETRUCKPARTS.CO.NZ](http://ALLIANCETRUCKPARTS.CO.NZ)**



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**DAIMLER TRUCK**