



# Out of the Chamber Thinking Easy to Install ... Easy to Clock

## VCT Piggyback Kit

OmniBrake Offering:

3030SV2K  
Standard stroke VCT  
equivalent to 3030SN2K-3001

3030SV3K  
Long stroke VCT  
equivalent to 3030SN3K-3003

UltraLife Offering:

3030SV2ULK  
Standard stroke VCT  
equivalent to 3030SN2ULK

3030SV3ULK  
Long stroke VCT  
equivalent to 3030SN3ULK

TSE Brakes now offers a factory sealed diaphragm on a Variable Clocking Technology (VCT) piggyback kit. This innovative design saves time and money. It also reduces potential for incorrect installations!



*After quick one bolt connection, spin (clock) housing for easy port installation*



*Factory sealed diaphragm reduces installer's responsibility to get a good seal*



More Information

## Patented Design

- U.S. Patent No. 9,050,958
- Up to 75% less installation time
- Four part numbers handle most applications
  - 180° clock rotation eliminates need for stocking both left and right hand units
  - Less inventory needed
- Less shared leak responsibility
  - Diaphragm comes factory sealed

## Easy

- Less training
  - Simple instructions
  - Quick lock connector saves time and allows for easy, safe clocking while under truck/trailer
- Less chance to install incorrectly
  - Patented design eliminates potential failure compared to conventional designs
  - No "clamped" air connection to worry about when setting port locations
  - Kit comes complete (Four pieces vs competitor's eight pieces)

## Stroke

Chambers are available in a 2.5" and 3" stroke.

## Corrosion Protection

The VCT product uses TSE's in-house full immersion e-coating of housing and internal components, guaranteeing 100% coating and consistent thickness for excellent corrosion protection.

## In-House Testing Labs

Many stringent tests are conducted on the VCT to ensure top performance, including high pressure cycle testing, vibration testing, hot cell cycle testing, salt spray testing, slurry testing, and cold cell leak/operational testing.

## Up to Seven Year Warranty

The OmniBrake VCT comes with a 5-year warranty for fleet partners, with a 4-year warranty standard, and 2 years for severe service applications. UltraLife VCT offers its fleet partners an industry best 7-year warranty. UltraLife comes with a 6-year warranty standard, and 3 years for severe service applications.



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3030SV3K : Long stroke VCT piggyback kit  
equivalent to 3030SN3K-3003

## UltraLife Offering:

3030SV2ULK : Standard stroke VCT piggyback kit  
equivalent to 3030SN2ULK

3030SV3ULK : Long stroke VCT piggyback kit  
equivalent to 3030SN3ULK

### Buyer...

- Less tracking for parts shortages
  - Competition kits have 8 pieces – TSE VCT has only 4 pieces
- Less labor time to install
  - Testing results confirm up to 75% less time
- Less chance to do it wrong
  - Highest installation failure mode eliminated
- Smaller box size
  - Means less space needed for inventory
- Universal fit means common service base installation
  - Less parts to buy and store on shelf
  - Better coverage with only 4 part numbers

### Shop Manager...

- Simple work instructions
  - 60% less than competitors
- Less sealing responsibility
  - Diaphragm comes factory sealed
- Quick Lock connector saves time and allows for easy, safe clocking while under truck/trailer

### Installer...

- Less parts to check
  - Kit comes complete every time (4 pieces vs 8)
- Less air leak points to check and align
- Less time to install
- No “clamped” air connections to worry about when setting port locations

### Road Service Repair...

- Less responsibility for correct installation
- Less chance of having the wrong parts on the truck to make repair
- Better coverage with only 4 part numbers
- Less time under the truck/trailer to make repairs
  - Up to 75% less
- More likely to create a happy driver
  - Back on the road quicker



*Factory sealed diaphragm reduces installer's responsibility to get a good seal. Only from TSE Brakes!*



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