



**OUT OF THE CHAMBER THINKING:
EASY TO INSTALL. EASY TO CLOCK**

omnibrake® vct

TSE OMNIBRAKE VCT

THE OMNIBRAKE VCT CHARACTERISTICS

Patented Design

OmniBrake VCT features a U.S. patented design with Variable Clocking Technology (VCT) that eliminates installation errors, reduces assembly time by up to 75%, and minimizes failure points compared to conventional designs.

Factory-Sealed Diaphragm

The factory-sealed diaphragm removes the need for clamped air connections, ensuring consistent quality and reducing shared leak responsibility.

Corrosion Protection

TSE's in-house completely full immersion e-coating process ensures 100% coverage of all housing and components for an industry-leading corrosion resistance.

Simplified Installation

Quick-lock connectors, simple work instructions, and universal compatibility allow for faster, error-free assembly, even under the vehicle.

KEY BENEFITS FOR OEM SUPPLIERS

Inventory Optimization

With just six part numbers covering most applications and 180° clock rotation, OmniBrake VCT eliminates the need for separate left- and right-hand units, simplifying inventory management.

Long-Term Value

Backed by up to a 7-year warranty, OmniBrake VCT offers peace of mind and reduced warranty claims for OEM partners and their customers.

Reliable Performance

Rigorous in-house testing that includes pressure cycling, vibration, and even salt spray, ensuring consistent quality and performance, all while meeting incredibly stringent OEM standards.

Production Efficiency

Pre-assembled, ready-to-install units streamline manufacturing processes, reducing assembly line labor and costs.

PERFORMANCE FEATURES

OMNIBRAKE VCT



PART NUMBER	CATEGORY	DESCRIPTION	B DIMENSION	CAGED
3030SV2K	VCT - Variable Clocking Technology Piggyback Kits	VCT T-3030 2.5" stroke single Kit + Box		Y
3030SV3K	VCT - Variable Clocking Technology Piggyback Kits	VCT T-3030 3.0" stroke single Kit + Box		Y
3030TV2-HNTRX	VCT - Variable Clocking Technology Direct Fit (Clamped + Threaded Rod)	VCT T-3030 2.5" stroke + long rod	9.75"	Y
3030TV3-HNTRX	VCT - Variable Clocking Technology Direct Fit (Clamped + Threaded Rod)	VCT T-3030 3.0" stroke + long rod	9.75"	Y
3030TVW3-4200	VCT - Tandem with Welded Clevis for Truck Applications	VCT T-3030 3" stroke + welded clevis	2.25"	Y