



Variable Valve Timing (VVT) Solenoids

VVT solenoids offer technicians a repair solution for higher mileage vehicles and include all necessary parts for a complete repair: necessary attachment bolts, gaskets, o-rings, and any other surrounding components that may be impacted during the repair (e.g. leaking housing or sensors) and guaranteed fitment with OEM wiring connectors.

- Designed and manufactured using premium materials.
- 100% tested during production.
- Guaranteed fitment with OEM wiring connectors to ensure proper installation and solenoid function.

Key Features and Benefits:

- Built with premium materials and OEM-matching connectors for plug-and-play compatibility, simplifying installation
- Designed for consistent oil flow control to optimize camshaft timing, improving engine response and fuel efficiency
- 100% production-tested for fitment, leakage, maximum oil flow, and duty cycle, ensuring reliable performance under all conditions
- Includes necessary attachment bolts, gaskets, o-rings, and guaranteed fitment with OEM wiring connectors to ensure proper installation and solenoid function
- Supported by Cloyes limited lifetime warranty and technical support, providing peace of mind on every repair.



NEED PRODUCT SUPPORT?

CALL 479-646-1662 EXT. 228 INFO@CLOYES.COM

CLOYES.COM

Cloyes, based in Fort Smith, Ark., is the North American leader and global designer, developer, manufacturer, and distributor of timing drive systems and components for original equipment manufacturers and the automotive aftermarket. Its products are mission critical components for engine performance and function and are used in high-performance and replacement applications. Cloyes serves a broad customer base, including wholesale distributors, national and local retailers, re-packagers, and production engine rebuilders, and sells its products under the Cloyes® brand worldwide and the Dynagear® and CY-LENT® brands throughout North America.

Variable Valve Timing Solenoids

Part Number List

**V8 4.6L, 5.4L
2004 - 2014**

VARIABLE VALVE TIMING (VVT) SOLENOIDS
Part No: **VTS100**



APPLICATIONS

2005-2014	Ford	Expedition	V8 5.4L
2006-2010	Ford	Explorer	V8 4.6L
2007-2010	Ford	Explorer Sport Trac	V8 4.6L
2004-2010	Ford	F-150	V8 5.4L
2009-2010	Ford	F-150	V8 4.6L
2005-2010	Ford	F-250 Super Duty	V8 5.4L
2008-2009	Ford	F-350	V8 5.4L
2005-2010	Ford	F-350 Super Duty	V8 5.4L
2004-2010	Ford	Lobo	V8 5.4L
2008-2010	Ford	Lobo	V8 4.6L
2005-2010	Ford	Mustang	V8 4.6L
2006-2008, 2010	Lincoln	Mark LT	V8 5.4L
2005-2014	Lincoln	Navigator	V8 5.4L
2006-2010	Mercury	Mountaneer	V8 V8 4.6L

Variable Valve Timing Solenoids

Part Number List

**L4 2.0L, 2.4L
2006 - 2017**

VARIABLE VALVE TIMING (VVT) SOLENOIDS
 Part No: **VTS106**



APPLICATIONS

2010, 2010-2016	Buick	Allure, LaCrosse	L4 2.4L
2011-2013	Buick	Regal	L4 2.0L
2012-2017	Buick	Regal	L4 2.4L
2013-2016	Buick	Verano	L4 2.0L
2012-2015	Chevrolet	Captiva Sport	L4 2.4L
2006-2008	Chevrolet	Cobalt	L4 2.4L
2008-2010	Chevrolet	Cobalt	L4 2.0L
2009-2010	Chevrolet	Cobalt	L4 2.2L
2010-2017	Chevrolet	Equinox	L4 2.4L
2006-2011	Chevrolet	HHR	L4 2.4L
2008-2010	Chevrolet	HHR	L4 2.0L
2009-2011	Chevrolet	HHR	L4 2.2L
2014	Chevrolet	Impala	L4 2.4L
2008-2012	Chevrolet	Malibu	L4 2.4L
2012-2014	Chevrolet	Orlando	L4 2.4L
2010-2017	GMC	Terrain	L4 2.4L
2007-2008	Pontiac	G5	L4 2.4L
2009-2010	Pontiac	G5	L4 2.2L
2006-2010	Pontiac	G6	L4 2.4L
2006	Pontiac	Pursuit	L4 2.4L
2006-2009	Pontiac	Solstice	L4 2.4L
2007-2009	Pontiac	Solstice	L4 2.0L

Variable Valve Timing Solenoids

Part Number List

**L4 2.0L, 2.4L
2006 - 2017**

VARIABLE VALVE TIMING (VVT) SOLENOIDS
Part No: **VTS106**



APPLICATIONS

2011	Saab	9-5	L4 2.0L
2007-2009	Saturn	Aura	L4 2.4L
2006-2007	Saturn	Ion	L4 2.4L
2007-2010	Saturn	Sky	L4 2.0L
2007-2010	Saturn	Sky, Vue	L4 2.4L

Variable Valve Timing Solenoids

Part Number List

**L4 2.0L, 2.4L
2006 - 2017**

VARIABLE VALVE TIMING (VVT) SOLENOIDS
 Part No: **VTS107**



APPLICATIONS

2010, 2010-2016	Buick	Allure, LaCrosse	L4 2.4L
2011-2013	Buick	Regal	L4 2.0L
2012-2017	Buick	Regal	L4 2.4L
2013-2016	Buick	Verano	L4 2.0L
2012-2015	Chevrolet	Captiva Sport	L4 2.4L
2006-2008	Chevrolet	Cobalt	L4 2.4L
2008-2010	Chevrolet	Cobalt	L4 2.0L
2009-2010	Chevrolet	Cobalt	L4 2.2L
2010-2017	Chevrolet	Equinox	L4 2.4L
2006-2011	Chevrolet	HHR	L4 2.4L
2008-2010	Chevrolet	HHR	L4 2.0L
2009-2011	Chevrolet	HHR	L4 2.2L
2014	Chevrolet	Impala	L4 2.4L
2008-2012	Chevrolet	Malibu	L4 2.4L
2012-2014	Chevrolet	Orlando	L4 2.4L
2010-2017	GMC	Terrain	L4 2.4L
2007-2008	Pontiac	G5	L4 2.4L
2009-2010	Pontiac	G5	L4 2.2L
2006-2010	Pontiac	G6	L4 2.4L
2006	Pontiac	Pursuit	L4 2.4L
2006-2009	Pontiac	Solstice	L4 2.4L
2007-2009	Pontiac	Solstice	L4 2.0L

Variable Valve Timing Solenoids

Part Number List

**L4 2.0L, 2.4L
2006 - 2017**

VARIABLE VALVE TIMING (VVT) SOLENOIDS
Part No: **VTS107**



APPLICATIONS

2011	Saab	9-5	L4 2.0L
2007-2009	Saturn	Aura	L4 2.4L
2006-2007	Saturn	Ion	L4 2.4L
2007-2010	Saturn	Sky	L4 2.0L
2007-2010	Saturn	Sky, Vue	L4 2.4L

Variable Valve Timing Solenoids

Part Number List

**V6 3.3L, 3.5L, 3.7L
2011 - 2022**

VARIABLE VALVE TIMING (VVT) SOLENOID
Part No: **VT5116**



APPLICATIONS

2011-2014	Ford	Edge, F-150	V6 3.7L
2011-2018	Ford	Edge	V6 3.5L
2015-2017	Ford	Expedition	V6 3.5L
2011-2019	Ford	Explorer	V6 3.5L
2020-2021	Ford	Explorer	V6 3.5L
2011-2017	Ford	F-150	V6 3.5L
2018-2021	Ford	F-150	V6 3.3L
2013-2019	Ford	Flex, Police Interceptor Sedan, Taurus	V6 3.5L
2011-2017	Ford	Mustang	V6 3.7L
2013-2019	Ford	Police Interceptor Sedan, Police Interceptor Utility,	V6 3.7L
2020-2021	Ford	Police Interceptor Utility	V6 3.3L
2015-2022	Ford	Transit 150, 250, 350, 350 HD	V6 3.5L
2015-2019	Ford	Transit 150, 250, 350, 350 HD	V6 3.7L

Variable Valve Timing Solenoids

Part Number List

**V6 3.3L, 3.5L, 3.7L
2011 - 2022**

VARIABLE VALVE TIMING (VVT) SOLENOID
Part No: **VTS116**



APPLICATIONS

2017-2020	Lincoln	Continental	V6 3.7L
2013-2016	Lincoln	MKS	V6 3.7L
2013-2019	Lincoln	MKT	V6 3.7L
2011-2018	Lincoln	MKX	V6 3.7L
2013-2016	Lincoln	MKZ	V6 3.7L
2015-2017	Lincoln	Navigator	V6 3.5L

Variable Valve Timing Solenoids

Part Number List

**V6 3.3L, 3.5L, 3.7L
2011 - 2022**

VARIABLE VALVE TIMING (VVT) SOLENOID
Part No: **VTS117**



APPLICATIONS

2011-2014	Ford	Edge, F-150	V6 3.7L
2011-2018	Ford	Edge	V6 3.5L
2015-2017	Ford	Expedition	V6 3.5L
2011-2019	Ford	Explorer	V6 3.5L
2020-2021	Ford	Explorer, Police Interceptor Utility	V6 3.3L
2011-2017	Ford	F-150	V6 3.5L
2018-2021	Ford	F-150	V6 3.3L
2013-2019	Ford	Flex, Police Interceptor Sedan, Taurus	V6 3.5L
2011-2017	Ford	Mustang	V6 3.7L
2013-2019	Ford	Police Interceptor Sedan, Police Interceptor Utility,	V6 3.7L
2020-2021	Ford	Police Interceptor Utility	V6 3.3L
2015-2022	Ford	Transit 150, 250, 350, 350 HD	V6 3.5L
2015-2019	Ford	Transit 150, 250, 350, 350 HD	V6 3.7L

Variable Valve Timing Solenoids

Part Number List

**V6 3.3L, 3.5L, 3.7L
2011 - 2022**

VARIABLE VALVE TIMING (VVT) SOLENOID
Part No: **VTS117**



APPLICATIONS

2017-2020	Lincoln	Continental	V6 3.7L
2013-2016	Lincoln	MKS	V6 3.7L
2013-2019	Lincoln	MKT	V6 3.7L
2011-2018	Lincoln	MKX	V6 3.7L
2013-2016	Lincoln	MKZ	V6 3.7L
2015-2017	Lincoln	Navigator	V6 3.5L

Variable Valve Timing Solenoids

Part Number List

V6 3.6L
2011 - 2020

VARIABLE VALVE TIMING (VVT) SOLENOID
 Part No: **VTS127**



APPLICATIONS

2011-2017	Chrysler	200	V6 3.6L
2011-2020	Chrysler	300	V6 3.6L
2011-2016	Chrysler	Town & Country	V6 3.6L
2011-2014	Dodge	Avenger	V6 3.6L
2011-2020	Dodge	Challenger, Charger	V6 3.6L
2011-2015	Dodge	Durango	V6 3.6L
2011-2020	Dodge	Grand Caravan	V6 3.6L
2011-2019	Dodge	Journey	V6 3.6L
2014-2020	Jeep	Cherokee	V6 3.6L
2011-2015	Jeep	Grand Cherokee	V6 3.6L
2012-2017	Jeep	Wrangler	V6 3.6L
2018	Jeep	Wrangler JK	V6 3.6L
2013-2020	Ram	1500	V6 3.6L
2019-2020	Ram	1500 Classic	V6 3.6L
2012-2015	Ram	C/V	V6 3.6L
2014-2020	Ram	ProMaster 1500, 2500, 3500	V6 3.6L