



THE SENSOR SPECIALIST™

VARIABLE VALVE TIMING SOLENOID

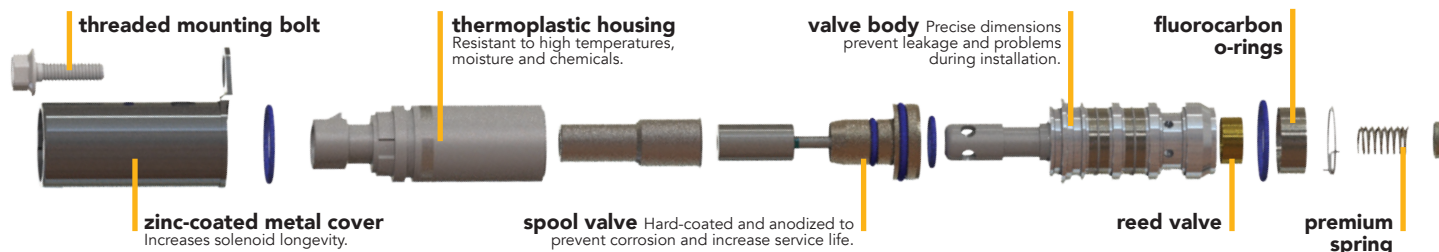
NTK is the only premium brand to carry a full line of technical sensors. We are expanding our product offering with the addition of Variable Valve Timing Solenoids. To ensure quality and authenticity, each part is tested to strict OE standards.

The NTK Difference

- Manufactured to meet or exceed OE fit, form and function to ensure proper operation
- Meet the demands of today's VVT engines at both low and high RPMs
- Includes a hard-coated anodized spool valve to prevent corrosion and increase service life
- Precision-wound coated copper wires increases solenoid life
- Manufactured with a high strength thermoplastic resistant to temperature, moisture, and chemicals
- Utilizes fluorocarbon O-rings to prevent oil leakage
- 100% oil tested for consistent quality and functionality



COMPONENTS



ngksparkplugs.com/sensorspecialist
Tech Support: (877) 473-6767 ext. 2

THE SENSOR SPECIALIST™



FAILURE PREVENTION

VVT solenoids have a fine mesh screen which cover the oil ports. This screen reduces the opportunity for them to become clogged over time and increases part efficiency.

- ✓ Prior to installation it is suggested that you lubricate the VVT solenoid O-rings and install per OEM specifications.
- ✓ NTK recommends a vehicle oil and filter change at the time of replacement to ensure proper VVT operation and warranty.

TOP 5 SKUS FOR EACH AUTOMAKER REGION



180
Part Numbers



160m+
Vehicles in Operation

	NTK Part No.	Per Car Quantity	Coverage	U.S. VIO
Domestic	VV0014	1	Buick LaCrosse 2016-2010, Regal 2016-2011, Verano 2016-2012, Chevrolet Captiva Sport 2015-2008, Cobalt 2010-2006, Equinox 2017-2010, HHR 2011-2006, Impala 2014, Malibu 2014-2008, Orlando 2014-2013, GMC Terrain 2016-2010, Pontiac G5 2010-2007, G6 2010-2006, Pursuit 2006, Solstice 2009-2006, Saturn Aura 2009-2007, Ion 2007-2006, Sky 2010-2007, Vue 2010-2007	3,805,879
	VV0015	1	Buick LaCrosse 2016-2010, Regal 2016-2011, Verano 2016-2012, Chevrolet Captiva Sport 2015-2008, Cobalt 2010-2006, Equinox 2017-2010, HHR 2011-2006, Impala 2014, Malibu 2014-2008, Orlando 2013, GMC Terrain 2016-2010, Pontiac G5 2010-2007, G6 2010-2006, Pursuit 2006, Solstice 2009-2006, Saturn Aura 2009-2007, Ion 2007-2006, Sky 2010-2007, Vue 2010-2007	3,805,879
	VV0010	2	Ford Expedition 2014-2005, Explorer 2010-2006, Explorer Sport Trac 2010-2007, F-150 2010-2004, F-250 Super Duty 2010-2005, F-350 Super Duty 2010-2005, Lobo 2010-2005, Mustang 2010-2005, Lincoln Mark LT 2008-2006, Navigator 2014-2005, Mercury Mountaineer 2010-2006	3,800,045
	VV0012	1	Buick Lucerne 2010-2008, Rainier 2007-2004, Cadillac DTS 2010, Chevrolet Colorado 2012-2004, Trailblazer 2009-2002, Trailblazer EXT 2006-2002, GMC Canyon 2012-2004, Envoy 2009-2002, Envoy XL 2006-2002, Envoy XUV 2005-2004, Hummer H3 2010-2006, Isuzu Ascender 2008-2003, i-280 2006, i-290 2008-2007, Oldsmobile Bravada 2004-2002, Saab 9-7x 2009-2005	2,460,431
	VV0013	4	Cadillac ATS 2016, Buick Allure 2008-2005, Allure 2010, Enclave 2016-2008, LaCrosse 2008-2005, LaCrosse 2016-2010, Rendezvous 2006-2004, Cadillac ATS 2016-2013, CTS 2015-2004, SRX 2016-2004, STS 2011-2005, XTS 2016-2013, Chevrolet Camaro 2015-2010, Caprice 2016-2012, Captiva Sport 2012, Colorado 2015, Equinox 2016-2008, Impala 2015-2012, Impala Limited 2016-2014, Malibu 2012-2008, Traverse 2015-2009, GMC Acadia 2016-2007, Canyon 2015, Terrain 2016-2010, Pontiac G6 2009-2007, G8 2009-2008, Torrent 2009-2008, Saturn Aura 2009-2007, Outlook 2010-2007, Vue 2010-2008	4,677,934
Asian	VV0028	1	Lexus ES300 2003-1999, ES330 2006-2004, RX300 2003-1999, RX330 2006-2004, RX400h 2008-2006, Toyota Avalon 2004-2002, Camry 2006-2004, Highlander 2010-2001, Sienna 2006-2001, Solara 2008-2002	2,270,503
	VV0122	1	Acura RSX 2006-2002, Honda Accord 2007-2003, Civic 2005-2002, CR-V 2009-2002, Element 2011-2003	2,330,816
	VV0023	1	Lexus ES300 2003-1999, ES330 2006-2004, RX300 2003-1999, RX330 2004, RX330 2006, RX400h 2008-2006, Toyota Avalon 2004-2002, Camry 2006-2004, Highlander 2010-2001, Sienna 2006-2001, Solara 2008-2002	2,199,117
	VV0116	1	Acura CL 1999-1998, Honda Accord 2002-1998, Odyssey 1998	766,159
	VV0066	1	Lexus HS250h 2012-2010, Pontiac Vibe 2010-2009, Scion tC 2010-2005, xB 2013-2008, Toyota Camry 2011-2002, Corolla 2010-2009, Corolla 2012, Highlander 2007-2001, Matrix 2013-2009, RAV4 2008-2001, Solara 2008-2002	3,111,608
European	VV0040	2	BMW 1 Series M 2011, 128i 2013-2008, 135i 2010-2008, 325i 2006, 325xi 2006, 328i 2013-2007, 328i xDrive 2013-2009, 328xi 2008-2007, 330i 2006, 330xi 2006, 335i 2010-2007, 335is 2013-2011, 335i xDrive 2010-2009, 335xi 2008-2007, 525i 2007-2006, 525xi 2007-2006, 528i 2011-2008, 528i xDrive 2010-2009, 528xi 2008, 530i 2007-2005, 530xi 2007-2006, 535i 2010-2008, 535i xDrive 2010-2009, 535xi 2008, 740i 2012-2011, 740Li 2012-2011, X3 2012-2006, X5 2010-2007, X6 2010-2008, Z4 2016-2006	1,030,949
	VV0039	1	Infiniti EX35 2011-2008, FX35 2011-2003, G35 2007-2003, I35 2004-2002, M35 2010-2006, Nissan 350Z 2009-2003, Altima 2006-2002, Frontier 2016-2005, Maxima 2008-2002, Murano 2007-2003, NV1500 2016-2012, NV2500 2016-2012, NV3500 2016-2012, Pathfinder 2012-2005, Quest 2009-2004, Quest 2011, Xterra 2015-2005	2,649,838
	VV0030	1	Infiniti EX35 2012-2008, FX35 2011-2003, G35 2007-2003, I35 2004-2002, M35 2010-2006, Nissan 350Z 2009-2003, Altima 2006-2002, Frontier 2016-2005, Maxima 2008-2002, Murano 2007-2003, NV1500 2016-2012, NV2500 2016-2012, NV3500 2016-2012, Pathfinder 2012-2005, Quest 2009-2004, Quest 2011, Xterra 2015-2005	2,653,456
	VV0037	1	Nissan Murano 2013-2009, Quest 2012, Infiniti EX35 2012, FX35 2012, FX37 2013, FX45 2008-2003, G35 2008-2007, G37 2013-2008, M37 2012-2011, M45 2004-2003, M45 2010-2006, Q45 2006-2002, QX56 2010, Nissan 370Z 2016-2009, Altima 2014-2007, Armada 2007, GTR 2016-2009, Maxima 2014-2009, Murano 2014, Pathfinder 2014-2013, Quest 2015-2013, Altima 2006-2002, Frontier 2011-2005, Frontier 2016-2013, Sentra 2006-2002, X-Trail 2017-2002, Infiniti G25 2012, QX56 2008-2006, Nissan Armada 2006, Armada 2015-2008, NV2500 2016-2012, NV3500 2016-2012, Pathfinder 2012-2008, Titan 2015-2006	2,075,940
	VV0061	4	Audi A4 2008-2006, A4 Quattro 2009-2005, A6 2009-2006, A6 Quattro 2011-2005, A8 Quattro 2012-2007, Q7 2010-2007, R8 2012-2008, R8 2015-2014, RS4 2008-2007, RS5 2015-2013, S5 2012-2008, S6 2011-2007, S8 2009-2007, TT RS Quattro 2013-2012, Volkswagen Beetle 2010-2006, Beetle 2013-2012, Golf 2014-2010, Jetta 2005, Jetta 2013-2007, Passat 2014-2012, Rabbit 2009-2006, Touareg 2009-2007	915,460

