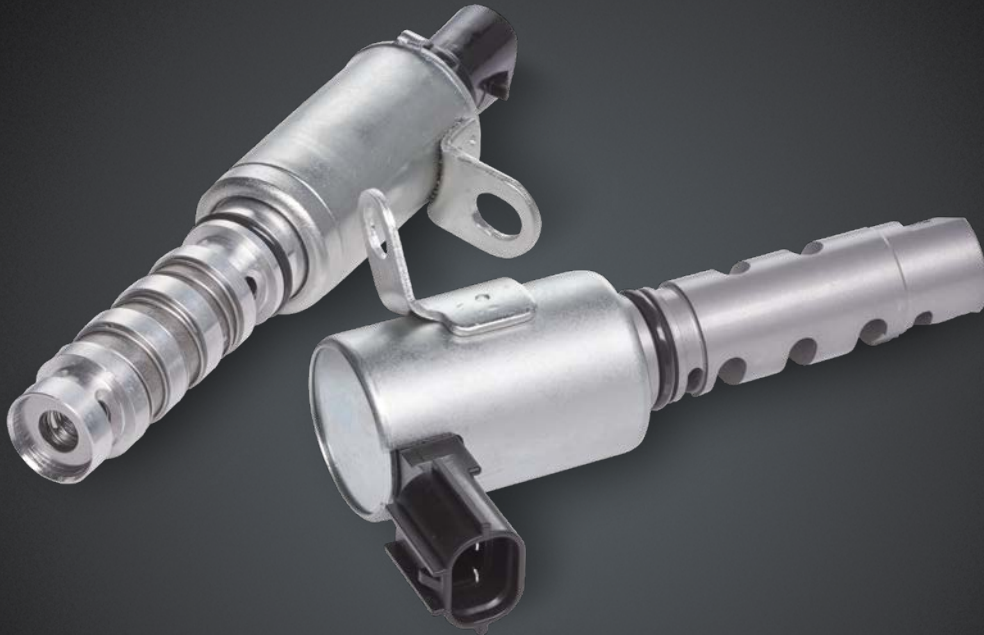




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SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



¡POR FIN! CALIDAD DE EQUIPO ORIGINAL DE CONFIANZA

Un sistema de sincronización variable de las válvulas (VVT) que funcione correctamente es fundamental para un rendimiento óptimo del motor a diferentes velocidades y condiciones de funcionamiento. Un solenoide de sincronización variable de las válvulas obstruido, averiado o defectuoso afectará negativamente al rendimiento del motor y a todo el sistema VVT. La nueva línea de solenoides de sincronización variable de las válvulas de Gates ofrece la solución perfecta. Estas piezas con calidad de equipo original garantizan un ajuste exacto y una instalación sencilla, al tiempo que restauran de forma eficaz el funcionamiento y el rendimiento adecuados del sistema de sincronización variable de las válvulas.



LA SINCRONIZACIÓN ES FUNDAMENTAL PARA QUE EL MOTOR OFREZCA UN RENDIMIENTO ÓPTIMO.

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS103						
WS103	CHEVROLET	Captiva	Gasolina	2.4	2011	
WS103	CHEVROLET	Captiva	Gasolina	2.4	2011	
WS103	CHEVROLET	HHR	Gasolina	2.2	2006	2007
WS103	CHEVROLET	HHR	Gasolina	2.2	2007	2008
WS103	CHEVROLET	HHR	Gasolina	2.4	2006	2011
WS103	CHEVROLET	HHR	Gasolina	2.4	2007	2011
WS103	CHEVROLET	Malibu	Gasolina	2.4	2011	2015
WS103	CHEVROLET	Malibu	Gasolina	2.4	2011	2016
WS103	CHEVROLET	Malibu	Biocarburante (etanol) o metanol	2.4	2010	2012
WS103	OPEL	Antara	Gasolina	2.4	2010	
WS103	OPEL	Antara	Gasolina	2.4	2010	
WS103	OPEL	Astra GTC	Gasolina	2.0	2012	
WS103	OPEL	GT	Gasolina	2.0	2006	2011
WS103	OPEL	Insignia	Gasolina	2.0	2008	2017
WS103	OPEL	Insignia	Gasolina	2.0	2008	2017
WS103	OPEL	Insignia	Gasolina	2.0	2008	2017
WS103	OPEL	Insignia	Gasolina	2.0	2008	2017
WS103	OPEL	Insignia	Biocarburante (etanol) o metanol	2.0	2008	2017
WS103	OPEL	Insignia	Biocarburante (etanol) o metanol	2.0	2010	2017
WS103	OPEL	Insignia Sport Tourer	Gasolina	2.0	2008	2017
WS103	OPEL	Insignia Sport Tourer	Gasolina	2.0	2008	2017
WS103	OPEL	Insignia Sport Tourer	Biocarburante (etanol) o metanol	2.0	2010	2017
WS107						
WS107	PONTIAC	Vibe	Gasolina	2.4	2009	2010
WS107	TOYOTA	Avensis	Gasolina	2.0	2000	2003
WS107	TOYOTA	Avensis	Gasolina	2.0	2000	2003
WS107	TOYOTA	Avensis	Gasolina	2.0	2003	2008
WS107	TOYOTA	Avensis	Gasolina	2.0	2003	2008
WS107	TOYOTA	Avensis	Gasolina	2.4	2003	2008
WS107	TOYOTA	Avensis	Gasolina	2.4	2003	2008
WS107	TOYOTA	Avensis	Gasolina	2.4	2003	2008
WS107	TOYOTA	Avensis	Gasolina	2.4	2003	2008
WS107	TOYOTA	Avensis Estate/Wagon	Gasolina	2.0	2000	2003
WS107	TOYOTA	Avensis Estate/Wagon	Gasolina	2.0	2003	2008
WS107	TOYOTA	Avensis Estate/Wagon	Gasolina	2.0	2003	2008
WS107	TOYOTA	Avensis Estate/Wagon	Gasolina	2.4	2003	2008
WS107	TOYOTA	Avensis Estate/Wagon	Gasolina	2.4	2003	2008
WS107	TOYOTA	Avensis Verso	Gasolina	2.0	2001	2005
WS107	TOYOTA	Camry	Gasolina	2.0	2001	2006
WS107	TOYOTA	Camry	Gasolina	2.0	2011	
WS107	TOYOTA	Camry	Gasolina	2.4	2001	2006
WS107	TOYOTA	Camry	Gasolina	2.4	2006	2011
WS107	TOYOTA	Camry	Gasolina	2.4	2006	2011
WS107	TOYOTA	Camry	Gasolina	2.4	2006	2011
WS107	TOYOTA	Camry Solara	Gasolina	2.4	2003	2006
WS107	TOYOTA	Camry Solara	Gasolina	2.4	2003	2007
WS107	TOYOTA	Estima	Gasolina	2.4	2000	2006
WS107	TOYOTA	Estima	Gasolina	2.4	2000	2006
WS107	TOYOTA	Estima	Gasolina	2.4	2000	2006
WS107	TOYOTA	Highlander	Gasolina	3.5	2014	
WS107	TOYOTA	Previa	Gasolina	2.4	2000	2005
WS107	TOYOTA	RAV 4	Gasolina	2.0	2000	2005
WS107	TOYOTA	RAV 4	Gasolina	2.0	2006	2013
WS107	TOYOTA	RAV 4	Gasolina	2.4	2000	2005
WS107	TOYOTA	RAV 4	Gasolina	2.4	2005	2013
WS107	TOYOTA	RAV 4	Gasolina	2.4	2005	2013
WS108						
WS108	LEXUS	ES 350	Gasolina	3.5	2006	2012
WS108	LEXUS	ES 350	Gasolina	3.5	2012	2018

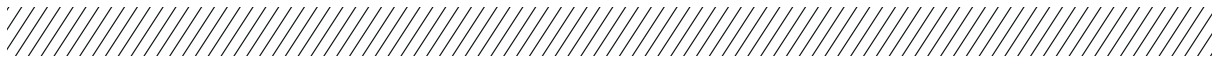
WS103

WS107

WS108

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS108	LEXUS	ES 350	Gasolina	3.5	2012	2018
WS108	LEXUS	ES 350	Gasolina	3.5	2014	2018
WS108	LEXUS	GS 300	Gasolina	3.0	2005	2011
WS108	LEXUS	GS 300	Gasolina	3.0	2005	2011
WS108	LEXUS	GS 450h	Totalmente híbrido/gasolina	3.5	2006	2011
WS108	LEXUS	RX 350	Gasolina	3.5	2006	2009
WS108	LEXUS	RX 350	Gasolina	3.5	2008	2015
WS108	LEXUS	RX 350	Gasolina	3.5	2009	2015
WS108	LEXUS	RX 350	Gasolina	3.5	2009	2015
WS108	TOYOTA	Alphard	Gasolina	3.5	2008	2014
WS108	TOYOTA	Alphard	Gasolina	3.5	2008	2014
WS108	TOYOTA	Alphard	Gasolina	3.5	2015	
WS108	TOYOTA	Aurion	Gasolina	3.5	2006	2011
WS108	TOYOTA	Aurion	Gasolina	3.5	2011	
WS108	TOYOTA	Avalon	Gasolina	3.5	2004	2005
WS108	TOYOTA	Avalon	Gasolina	3.5	2005	2012
WS108	TOYOTA	Avalon	Gasolina	3.5	2005	2012
WS108	TOYOTA	Avalon	Gasolina	3.5	2012	2018
WS108	TOYOTA	Avalon	Gasolina	3.5	2012	2018
WS108	TOYOTA	Camry	Gasolina	3.5	2006	2011
WS108	TOYOTA	Camry	Gasolina	3.5	2006	2012
WS108	TOYOTA	Camry	Gasolina	3.5	2006	2014
WS108	TOYOTA	Camry	Gasolina	3.5	2011	2017
WS108	TOYOTA	Camry	Gasolina	3.5	2012	
WS108	TOYOTA	Previa	Gasolina	3.5	2006	
WS108	TOYOTA	Previa	Gasolina	3.5	2006	
WS108	TOYOTA	RAV 4	Gasolina	3.5	2005	2012
WS108	TOYOTA	Sienna	Gasolina	3.5	2006	2009
WS108	TOYOTA	Sienna	Gasolina	3.5	2007	2010
WS108	TOYOTA	Sienna	Gasolina	3.5	2010	
WS108	TOYOTA	Sienna	Gasolina	3.5	2010	
WS108	TOYOTA	Sienna	Gasolina	3.5	2010	
WS108	TOYOTA	Vellfire	Gasolina	3.5	2008	2014
WS108	TOYOTA	Venza	Gasolina	3.5	2009	2016
WS108	TOYOTA	Venza	Gasolina	3.5	2009	2016
WS111						
WS111	SCION	XA	Gasolina	1.5	2004	2006
WS111	SCION	XA	Gasolina	1.5	2004	2006
WS111	TOYOTA	Echo	Gasolina	1.5	1999	2005
WS111	TOYOTA	Echo	Gasolina	1.5	1999	2005
WS111	TOYOTA	Echo	Gasolina	1.5	2001	2005
WS111	TOYOTA	Yaris	Gasolina	1.5	2001	2005
WS111	TOYOTA	Yaris	Gasolina	1.5	2003	2005
WS111	TOYOTA	Yaris	Gasolina	1.5	2003	2005
WS111	TOYOTA	Yaris	Gasolina	1.5	2005	2014
WS111	TOYOTA	Yaris	Gasolina	1.5	2007	2013
WS111	TOYOTA	Yaris	Gasolina	1.5	2010	
WS111	TOYOTA	Yaris	Gasolina	1.5	2013	
WS111	TOYOTA	Yaris	Gasolina	1.5	2014	
WS111	TOYOTA	Yaris Verso	Gasolina	1.5	2000	2005
WS111	TOYOTA	Yaris Verso	Gasolina	1.5	2003	2005
WS111	TOYOTA	Yaris Verso Van	Gasolina	1.5	2000	2003
WS112						
WS112	TOYOTA	Auris	Gasolina	1.4	2006	2012
WS112	TOYOTA	Avensis	Gasolina	1.6	2000	2003
WS112	TOYOTA	Avensis	Gasolina	1.6	2000	2003
WS112	TOYOTA	Avensis	Gasolina	1.6	2003	2008
WS112	TOYOTA	Avensis	Gasolina	1.6	2003	2008
WS112	TOYOTA	Avensis	Gasolina	1.8	2000	2003
WS112	TOYOTA	Avensis	Gasolina	1.8	2000	2003

WS108

WS111

WS112

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS112	TOYOTA	Avensis	Gasolina	1.8	2003	2008
WS112	TOYOTA	Avensis	Gasolina	1.8	2003	2008
WS112	TOYOTA	Avensis Estate/Wagon	Gasolina	1.6	2000	2003
WS112	TOYOTA	Avensis Estate/Wagon	Gasolina	1.6	2003	2008
WS112	TOYOTA	Avensis Estate/Wagon	Gasolina	1.8	2000	2003
WS112	TOYOTA	Avensis Estate/Wagon	Gasolina	1.8	2003	2008
WS112	TOYOTA	Celica	Gasolina	1.8	1999	2006
WS112	TOYOTA	Celica (Nato)	Gasolina	1.8	1999	2002
WS112	TOYOTA	Corolla	Gasolina	1.4	1999	2001
WS112	TOYOTA	Corolla	Gasolina	1.4	1999	2002
WS112	TOYOTA	Corolla	Gasolina	1.4	2001	2006
WS112	TOYOTA	Corolla	Gasolina	1.4	2001	2007
WS112	TOYOTA	Corolla	Gasolina	1.4	2006	2013
WS112	TOYOTA	Corolla	Gasolina	1.6	1999	2001
WS112	TOYOTA	Corolla	Gasolina	1.6	1999	2002
WS112	TOYOTA	Corolla	Gasolina	1.6	2001	2008
WS112	TOYOTA	Corolla	Gasolina	1.6	2002	2006
WS112	TOYOTA	Corolla Altis	Gasolina	1.6	2002	2008
WS112	TOYOTA	Corolla Estate/Wagon	Gasolina	1.4	1999	2001
WS112	TOYOTA	Corolla Estate/Wagon	Gasolina	1.4	2001	2006
WS112	TOYOTA	Corolla Estate/Wagon	Gasolina	1.6	1999	2001
WS112	TOYOTA	Corolla Estate/Wagon	Gasolina	1.6	2002	2007
WS112	TOYOTA	Corolla Verso	Gasolina	1.6	2001	2004
WS112	TOYOTA	MR2	Gasolina	1.8	1999	2007
WS112	TOYOTA	RAV 4	Gasolina	1.8	2000	2005
WS112	TOYOTA	RunX	Gasolina	1.4	2003	2003
WS112	TOYOTA	RunX	Gasolina	1.6	2003	2003
WS118						
WS118	HYUNDAI	Azera	Gasolina	2.4	2011	
WS118	HYUNDAI	Azera	Gasolina	2.4	2011	
WS118	HYUNDAI	Sonata	Gasolina	2.0	2012	2014
WS118	KIA	Carens	Gasolina	2.0	2006	2013
WS118	KIA	Carens	Gasolina	2.0	2009	2013
WS118	KIA	Carens	GLP (con o sin gasolina)	2.0	2006	2008
WS118	KIA	Carens	GLP (con o sin gasolina)	2.0	2009	2013
WS118	KIA	Cerato	Gasolina	2.0	2009	2013
WS118	KIA	Cerato	Gasolina	2.0	2009	2013
WS118	KIA	Cerato	Gasolina	2.0	2010	2013
WS118	KIA	Cerato	Gasolina	2.0	2013	2014
WS118	KIA	Cerato Koup	Gasolina	2.0	2009	2013
WS118	KIA	Cerato Koup	Gasolina	2.0	2009	2014
WS118	KIA	Forte	Gasolina	2.0	2009	2013
WS118	KIA	Forte Koup	Gasolina	2.0	2009	2011
WS118	KIA	Optima	Gasolina	2.0	2011	2015
WS118	KIA	Optima	Gasolina	2.0	2012	2015
WS118	KIA	Optima	Gasolina	2.0	2012	2015
WS118	KIA	Optima	Gasolina	2.0	2013	2015
WS118	KIA	Optima	Gasolina	2.0	2014	2015
WS118	KIA	Optima	Gasolina	2.0	2015	
WS118	KIA	Optima	Gasolina	2.0	2015	
WS118	KIA	Optima	Gasolina	2.0	2015	
WS118	KIA	Optima	Gasolina	2.0	2016	
WS118	KIA	Sorento	Gasolina	2.4	2012	2015
WS118	KIA	Sorento	Gasolina	2.4	2012	2015
WS118	KIA	Sorento	Gasolina	2.4	2015	
WS118	KIA	Sorento	Gasolina	2.4	2015	
WS120						
WS120	TOYOTA	Avalon	Totalmente híbrido/gasolina	2.5	2012	2018
WS120	TOYOTA	Camry	Gasolina	2.5	2011	
WS120	TOYOTA	Camry	Gasolina	2.5	2011	

WS112

WS118

WS120

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS120	TOYOTA	Camry	Gasolina	2.5	2012	
WS120	TOYOTA	Corolla	Gasolina	1.8	2007	2012
WS120	TOYOTA	Corolla	Gasolina	1.8	2007	2014
WS120	TOYOTA	Corolla	Gasolina	1.8	2008	2014
WS120	TOYOTA	Corolla	Gasolina	1.8	2008	2012
WS120	TOYOTA	Corolla	Gasolina	1.8	2013	2018
WS120	TOYOTA	Corolla	Totalmente híbrido/gasolina	1.8	2018	
WS120	TOYOTA	Corolla	Totalmente híbrido/gasolina	1.8	2019	
WS120	TOYOTA	Corolla	Totalmente híbrido/gasolina	1.8	2019	
WS120	TOYOTA	Corolla Altis	Gasolina	2.0	2014	2018
WS120	TOYOTA	Corolla Axio	Gasolina	1.8	2006	2010
WS120	TOYOTA	Highlander	Gasolina	2.7	2009	2014
WS120	TOYOTA	Highlander	Gasolina	2.7	2014	
WS120	TOYOTA	Matrix	Gasolina	1.8	2008	
WS120	TOYOTA	Premio	Gasolina	1.8	2007	
WS120	TOYOTA	Premio	Gasolina	1.8	2008	
WS120	TOYOTA	Prius	Totalmente híbrido/gasolina	1.8	2008	
WS120	TOYOTA	Prius	Totalmente híbrido/gasolina	1.8	2015	
WS120	TOYOTA	Prius	Totalmente híbrido/gasolina	1.8	2015	
WS120	TOYOTA	RAV 4	Gasolina	2.5	2012	
WS120	TOYOTA	RAV 4	Gasolina	2.5	2012	2018
WS120	TOYOTA	RAV 4	Gasolina	2.5	2013	2018
WS120	TOYOTA	RAV 4	Gasolina	2.5	2013	2018
WS120	TOYOTA	Sienna	Gasolina	2.7	2010	2013
WS120	TOYOTA	Venza	Gasolina	2.7	2008	2016
WS120	TOYOTA	Venza	Gasolina	2.7	2008	2016
WS120	TOYOTA	Venza	Gasolina	2.7	2012	
WS120	TOYOTA	Venza	Gasolina	2.7	2012	2016

WS124

WS124	LEXUS	GS 430	Gasolina	4.3	2000	2005
WS124	LEXUS	GS 430	Gasolina	4.3	2005	2011
WS124	LEXUS	GS 430	Gasolina	4.3	2005	2011
WS124	LEXUS	LS 430	Gasolina	4.3	2000	2006
WS124	LEXUS	LS 430	Gasolina	4.3	2000	2006
WS124	LEXUS	SC 430	Gasolina	4.3	2001	2010
WS124	LEXUS	SC 430	Gasolina	4.3	2001	2010
WS124	LEXUS	SC 430	Gasolina	4.3	2009	2010
WS124	TOYOTA	Land Cruiser 100	Gasolina	4.7	2002	2008
WS124	TOYOTA	Land Cruiser 200	Gasolina	4.7	2007	
WS124	TOYOTA	Land Cruiser 200	Gasolina	4.7	2008	
WS124	TOYOTA	Land Cruiser Amazon	Gasolina	4.7	2002	2007
WS124	TOYOTA	Land Cruiser V8	Gasolina	4.7	2008	
WS124	TOYOTA	Land Cruiser V8	Gasolina	4.7	2008	
WS124	TOYOTA	Prado	Gasolina	4.7	2002	2008
WS124	TOYOTA	Prado	Gasolina	4.7	2002	2008
WS124	TOYOTA	Prado	Gasolina	4.7	2002	2008
WS124	TOYOTA	Sequoia	Gasolina	4.7	2000	2007
WS124	TOYOTA	Sequoia	Gasolina	4.7	2000	2007
WS124	TOYOTA	Sequoia	Gasolina	4.7	2004	2007
WS124	TOYOTA	Sequoia	Gasolina	4.7	2004	2007
WS124	TOYOTA	Sequoia	Gasolina	4.7	2007	2014
WS124	TOYOTA	Sequoia	Gasolina	4.7	2007	2014
WS124	TOYOTA	Tundra	Gasolina	4.7	1999	2006
WS124	TOYOTA	Tundra	Gasolina	4.7	1999	2006
WS124	TOYOTA	Tundra	Gasolina	4.7	1999	2006
WS124	TOYOTA	Tundra	Gasolina	4.7	1999	2006
WS124	TOYOTA	Tundra	Gasolina	4.7	1999	2006
WS124	TOYOTA	Tundra	Gasolina	4.7	1999	2006
WS124	TOYOTA	Tundra	Gasolina	4.7	1999	2006
WS124	TOYOTA	Tundra	Gasolina	4.7	2006	2009

WS120

WS124

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS124	TOYOTA	Tundra	Gasolina	4.7	2006	2009
WS130						
WS130	LEXUS	LX 570	Gasolina	5.7	2007	
WS130	LEXUS	LX 570	Gasolina	5.7	2007	
WS130	LEXUS	LX 570	Gasolina	5.7	2008	
WS130	LEXUS	LX 570	Gasolina	5.7	2015	
WS130	TOYOTA	Sequoia	Gasolina	5.7	2007	
WS130	TOYOTA	Sequoia	Gasolina	5.7	2007	
WS130	TOYOTA	Sequoia	Gasolina	5.7	2008	
WS130	TOYOTA	Sequoia	Biocarburante (etanol) o metanol	5.7	2007	
WS130	TOYOTA	Sequoia	Biocarburante (etanol) o metanol	5.7	2009	
WS130	TOYOTA	Sequoia	Gasolina	4.6	2010	2010
WS130	TOYOTA	Sequoia	Gasolina	4.6	2010	2010
WS130	TOYOTA	Tundra	Gasolina	4.6	2006	2013
WS130	TOYOTA	Tundra	Gasolina	5.7	2006	
WS130	TOYOTA	Tundra	Gasolina	5.7	2006	
WS130	TOYOTA	Tundra	Biocarburante (etanol) o metanol	5.7	2006	2013
WS130	TOYOTA	Tundra	Biocarburante (etanol) o metanol	5.7	2012	2013
WS133						
WS133	HYUNDAI	iX35	Gasolina	2.0	2009	2013
WS133	HYUNDAI	iX35	Gasolina	2.0	2009	2013
WS133	HYUNDAI	iX35	Gasolina	2.0	2009	2013
WS133	HYUNDAI	iX35	Gasolina	2.0	2009	2013
WS133	HYUNDAI	iX35	Gasolina	2.0	2010	2013
WS133	HYUNDAI	iX35	Gasolina	2.4	2009	2015
WS133	HYUNDAI	iX35	Gasolina	2.4	2009	2015
WS133	HYUNDAI	iX35	Gasolina	2.4	2014	2015
WS133	HYUNDAI	Santa Fe	Gasolina	2.4	2009	2012
WS133	HYUNDAI	Santa Fe	Gasolina	2.4	2009	2013
WS133	HYUNDAI	Santa Fe	Gasolina	2.4	2009	2012
WS133	HYUNDAI	Sonata	Gasolina	2.0	2008	2010
WS133	HYUNDAI	Sonata	Gasolina	2.0	2009	2010
WS133	HYUNDAI	Sonata	Gasolina	2.0	2009	2014
WS133	HYUNDAI	Sonata	Gasolina	2.4	2009	2010
WS133	HYUNDAI	Sonata	Gasolina	2.4	2010	2014
WS133	HYUNDAI	Sonata	Gasolina	2.4	2010	2014
WS133	HYUNDAI	Tucson	Gasolina	2.0	2009	
WS133	HYUNDAI	Tucson	Gasolina	2.0	2009	2015
WS133	HYUNDAI	Tucson	Gasolina	2.0	2010	
WS133	HYUNDAI	Tucson	Gasolina	2.0	2010	2013
WS133	HYUNDAI	Tucson	Gasolina	2.0	2014	2015
WS133	HYUNDAI	Tucson	Gasolina	2.4	2009	2015
WS140						
WS140	NISSAN	Qashqai	Gasolina	2.0	2007	2014
WS140	NISSAN	Qashqai	Gasolina	2.0	2007	2014
WS140	NISSAN	Qashqai	Gasolina	2.0	2007	2014
WS140	NISSAN	Qashqai	Gasolina	2.0	2013	2014
WS140	NISSAN	Qashqai	Gasolina	2.0	2013	2014
WS140	NISSAN	Qashqai+2	Gasolina	2.0	2008	2013
WS140	NISSAN	Qashqai+2	Gasolina	2.0	2008	2014
WS140	NISSAN	Qashqai+2	Gasolina	2.0	2008	2014
WS140	NISSAN	Qashqai+2	Gasolina	2.0	2008	2014
WS140	NISSAN	Qashqai+2	Gasolina	2.0	2010	2014
WS140	NISSAN	Qashqai+2	Gasolina	2.0	2010	2014
WS140	NISSAN	Qashqai+2	Gasolina	2.0	2013	2013
WS140	NISSAN	Tiida	Gasolina	1.8	2006	2012
WS140	NISSAN	Tiida	Gasolina	1.8	2006	2011
WS140	NISSAN	Tiida	Gasolina	1.8	2006	2013
WS140	NISSAN	Tiida	Biocarburante (etanol) o metanol	1.8	2009	2011
WS140	NISSAN	X-Trail	Gasolina	2.0	2007	2014

WS124

WS130

WS133

WS140

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS140	NISSAN	X-Trail	Gasolina	2.0	2007	2014
WS140	NISSAN	X-Trail	Gasolina	2.0	2008	2013
WS140	NISSAN	X-Trail	Gasolina	2.0	2008	2013
WS141						
WS141	NISSAN	Almera	Gasolina	1.5	2012	
WS141	NISSAN	Juke	Gasolina	1.6	2010	
WS141	NISSAN	Juke	Gasolina	1.6	2013	
WS141	NISSAN	Juke	Gasolina	1.6	2013	
WS141	NISSAN	Juke	Gasolina	1.6	2014	
WS141	NISSAN	Juke	GLP (con o sin gasolina)	1.6	2012	
WS141	NISSAN	Micra	Gasolina	1.5	2011	
WS141	NISSAN	Micra	Gasolina	1.2	2010	
WS141	NISSAN	Micra	Gasolina	1.2	2010	
WS141	NISSAN	Micra	Gasolina	1.2	2013	
WS141	NISSAN	Micra	Gasolina	1.5	2010	
WS141	NISSAN	Micra	Gasolina	1.5	2011	
WS141	NISSAN	Micra	Gasolina	1.5	2011	
WS141	NISSAN	Micra	GLP (con o sin gasolina)	1.2	2010	2015
WS141	NISSAN	NV200	Gasolina	1.6	2009	
WS141	NISSAN	NV200 Evalia	Gasolina	1.6	2009	
WS141	NISSAN	Qashqai	Gasolina	1.6	2006	2014
WS141	NISSAN	Qashqai	Gasolina	1.6	2007	2014
WS141	NISSAN	Qashqai	Gasolina	1.6	2010	2014
WS141	NISSAN	Qashqai	Gasolina	1.6	2013	2014
WS141	NISSAN	Qashqai	GLP (con o sin gasolina)	1.6	2011	2014
WS141	NISSAN	Qashqai+2	Gasolina	1.6	2007	2013
WS141	NISSAN	Qashqai+2	Gasolina	1.6	2008	2013
WS141	NISSAN	Qashqai+2	Gasolina	1.6	2010	2013
WS141	NISSAN	Qashqai+2	Gasolina	1.6	2013	2013
WS141	NISSAN	Sentra	Gasolina	1.6	2014	
WS141	NISSAN	Sentra (EE. UU.)	Gasolina	1.6	2013	
WS141	NISSAN	Sentra (EE. UU.)	Gasolina	1.6	2013	
WS141	NISSAN	Sunny	Gasolina	1.5	2011	
WS141	NISSAN	Sunny	Gasolina	1.5	2012	
WS141	NISSAN	Sunny	Gasolina	1.6	2011	
WS141	NISSAN	Tiida	Gasolina	1.6	2007	2013
WS141	NISSAN	Tiida	Gasolina	1.6	2015	
WS141	NISSAN	Versa	Gasolina	1.6	2011	
WS141	NISSAN	Versa	Biocarburante (etanol) o metanol	1.6	2011	
WS143						
WS143	AUDI	A3	Gasolina	1.8	1996	2006
WS143	AUDI	A3	Gasolina	1.8	1998	2006
WS143	AUDI	A3 Quattro	Gasolina	1.8	1997	2003
WS143	AUDI	A3 Quattro	Gasolina	1.8	1998	2003
WS143	AUDI	S3 Quattro	Gasolina	1.8	1998	2002
WS143	AUDI	S3 Quattro	Gasolina	1.8	2001	2003
WS143	AUDI	A4	Gasolina	1.8	2000	2004
WS143	AUDI	A4	Gasolina	1.8	2000	2004
WS143	AUDI	A4	Gasolina	1.8	2001	2002
WS143	AUDI	A4	Gasolina	1.8	2002	2004
WS143	AUDI	A4	Gasolina	1.8	2002	2004
WS143	AUDI	A4	Gasolina	1.8	2002	2004
WS143	AUDI	A4	Gasolina	1.8	2002	2004
WS143	AUDI	A4	Gasolina	1.8	2004	2008
WS143	AUDI	A4	Gasolina	1.8	2004	2008
WS143	AUDI	A4 Cabrio	Gasolina	1.8	2002	2005
WS143	AUDI	A4 Cabrio	Gasolina	1.8	2006	2009
WS143	AUDI	A4 Cabrio Quattro	Gasolina	1.8	2003	2005
WS143	AUDI	A4 Quattro	Gasolina	1.8	2000	2002
WS143	AUDI	A4 Quattro	Gasolina	1.8	2001	2002

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VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS143	AUDI	A4 Quattro	Gasolina	1.8	2001	2004
WS143	AUDI	A4 Quattro	Gasolina	1.8	2001	2004
WS143	AUDI	A4 Quattro	Gasolina	1.8	2002	2004
WS143	AUDI	A4 Quattro	Gasolina	1.8	2002	2004
WS143	AUDI	A4 Quattro	Gasolina	1.8	2002	2004
WS143	AUDI	A4 Quattro	Gasolina	1.8	2002	2004
WS143	AUDI	A4 Quattro	Gasolina	1.8	2004	2007
WS143	AUDI	A4 Quattro	Gasolina	1.8	2004	2008
WS143	AUDI	A6	Gasolina	1.8	1997	2004
WS143	AUDI	A6	Gasolina	1.8	1998	2005
WS143	AUDI	A6 Quattro	Gasolina	1.8	1997	2005
WS143	AUDI	A6 Quattro	Gasolina	1.8	1997	2005
WS143	AUDI	TT	Gasolina	1.8	1998	2006
WS143	AUDI	TT	Gasolina	1.8	1998	2006
WS143	AUDI	TT	Gasolina	1.8	2001	2006
WS143	AUDI	TT	Gasolina	1.8	2002	2006
WS143	AUDI	TT	Gasolina	1.8	2005	2006
WS143	AUDI	TT	Gasolina	1.8	2005	2006
WS143	AUDI	TT	Gasolina	1.8	2005	2006
WS143	AUDI	TT Quattro	Gasolina	1.8	1998	2006
WS143	AUDI	TT Quattro	Gasolina	1.8	1998	2006
WS143	AUDI	TT Quattro	Gasolina	1.8	1998	2006
WS143	AUDI	TT Quattro	Gasolina	1.8	1998	2006
WS143	AUDI	TT Quattro	Gasolina	1.8	2005	2006
WS143	AUDI	TT Quattro	Gasolina	1.8	2005	2006
WS143	AUDI	TT Quattro	Gasolina	1.8	2005	2006
WS143	AUDI	TT Quattro	Gasolina	1.8	2005	2006
WS143	SEAT	Exeo	Gasolina	1.8	2008	2010
WS143	SEAT	Exeo ST	Gasolina	1.8	2009	2010
WS143	SEAT	Ibiza	Gasolina	1.8	2003	2008
WS143	SEAT	Ibiza	Gasolina	1.8	2004	2008
WS143	SEAT	León	Gasolina	1.8	1999	2005
WS143	SEAT	León	Gasolina	1.8	2000	2004
WS143	SEAT	León	Gasolina	1.8	2002	2003
WS143	SEAT	León	Gasolina	1.8	2003	2006
WS143	SEAT	Toledo	Gasolina	1.8	1999	2005
WS143	SEAT	Toledo	Gasolina	1.8	2000	2004
WS143	SKODA	Octavia	Gasolina	1.8	1997	2010
WS143	SKODA	Octavia	Gasolina	1.8	1998	2010
WS143	SKODA	Octavia	Gasolina	1.8	2000	2006
WS143	SKODA	Octavia	Gasolina	1.8	2000	2006
WS143	SKODA	Octavia	Gasolina	1.8	2000	2006
WS143	SKODA	Octavia	Gasolina	1.8	2000	2006
WS143	SKODA	Superb	Gasolina	1.8	2001	2008
WS143	VW	Bora	Gasolina	1.8	1999	2005
WS143	VW	Bora	Gasolina	1.8	2001	2008
WS143	VW	Bora Estate/Variant	Gasolina	1.8	2000	2005
WS143	VW	Bora Estate/Variant	Gasolina	1.8	2001	2005
WS143	VW	Golf	Gasolina	1.8	1997	2007
WS143	VW	Golf	Gasolina	1.8	2001	2007
WS143	VW	Golf	Gasolina	1.8	2007	2010
WS143	VW	Golf	Gasolina	1.8	2007	2008
WS143	VW	Golf Estate/Variant	Gasolina	1.8	1999	2006
WS143	VW	New Beetle	Gasolina	1.8	1998	2010
WS143	VW	New Beetle	Gasolina	1.8	2003	2010
WS143	VW	Polo	Gasolina	1.8	2005	2009
WS147						
WS147	HONDA	Accord	Gasolina	2.0	2003	2008
WS147	HONDA	Accord Estate/Wagon	Gasolina	2.0	2003	2008
WS147	HONDA	Accord Estate/Wagon	Gasolina	2.4	2003	2008

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VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS147	HONDA	FR-V	Gasolina	2.0	2005	2006
WS148						
WS148	HONDA	CR-V	Gasolina	2.0	2001	2007
WS148	HONDA	CR-V	Gasolina	2.4	2002	2006
WS148	HONDA	CR-V	Gasolina	2.4	2006	2012
WS148	HONDA	CR-V	Gasolina	2.4	2006	2012
WS148	HONDA	CR-V	Gasolina	2.4	2007	2012
WS148	HONDA	CR-V	Gasolina	2.4	2007	2012
WS148	HONDA	CR-V	Gasolina	2.4	2007	2012
WS158						
WS158	KIA	Cerato	Gasolina	1.6	2009	2013
WS158	KIA	Cerato	Gasolina	1.6	2010	2013
WS158	KIA	Cerato	Gasolina	1.6	2010	2014
WS158	KIA	Cerato Koup	Gasolina	1.6	2009	2013
WS158	KIA	Cerato Koup	Gasolina	1.6	2010	2013
WS158	KIA	Forte	Gasolina	1.6	2009	2013
WS158	KIA	Forte	Gasolina	1.6	2009	2013
WS160						
WS160	AUDI	RS4 Cabrio Quattro	Gasolina	4.2	2006	2008
WS160	AUDI	RS4 Quattro	Gasolina	4.2	2005	2008
WS160	AUDI	RS4 Quattro	Gasolina	4.2	2006	2008
WS160	AUDI	RS4 Quattro	Gasolina	4.2	2012	2015
WS160	AUDI	RS5 Cabrio Quattro	Gasolina	4.2	2012	2015
WS160	AUDI	RS5 Quattro	Gasolina	4.2	2010	2017
WS160	AUDI	S5 Quattro	Gasolina	4.2	2007	2012
WS160	AUDI	A6 Allroad Quattro	Gasolina	4.2	2006	2010
WS160	AUDI	A6 Quattro	Gasolina	4.2	2006	2011
WS160	AUDI	A6 Quattro	Gasolina	4.2	2006	2011
WS160	AUDI	S6 Quattro	Gasolina	5.2	2006	2011
WS160	AUDI	S6 Quattro	Gasolina	5.2	2006	2011
WS160	AUDI	A8 Quattro	Gasolina	4.2	2006	2010
WS160	AUDI	A8 Quattro	Gasolina	4.2	2009	2012
WS160	AUDI	S8 Quattro	Gasolina	5.2	2006	2010
WS160	AUDI	Q7 Quattro	Gasolina	4.2	2006	2010
WS160	AUDI	Q7 Quattro	Gasolina	4.2	2006	2010
WS160	AUDI	R8 Quattro	Gasolina	5.2	2009	2015
WS160	AUDI	R8 Spyder Quattro	Gasolina	5.2	2010	2015
WS160	VW	Beetle	Gasolina	2.5	2011	2016
WS160	VW	Golf	Gasolina	2.5	2009	2013
WS160	VW	New Beetle	Gasolina	2.5	2005	2010
WS160	VW	New Beetle	Gasolina	2.5	2005	2010
WS161						
WS161	AUDI	A3	Gasolina	1.8	2007	2012
WS161	AUDI	A3	Gasolina	2.0	2004	2012
WS161	AUDI	A3 Cabrio	Gasolina	2.0	2008	2013
WS161	AUDI	A3 Sportback	Gasolina	1.8	2007	2013
WS161	AUDI	A3 Sportback	Gasolina	2.0	2004	2013
WS161	AUDI	A5	Gasolina	1.8	2007	2017
WS161	AUDI	A5	Gasolina	1.8	2009	2011
WS161	AUDI	A5 Cabrio	Gasolina	1.8	2009	2012
WS161	AUDI	A5 Sportback	Gasolina	1.8	2009	2011
WS161	AUDI	Q3 Quattro	Gasolina	2.0	2014	2018
WS161	VW	Beetle	Gasolina	2.0	2010	2016
WS161	VW	Beetle	Gasolina	2.0	2011	2016
WS161	VW	Bjalla	Gasolina	2.0	2011	2016
WS161	VW	CC	Gasolina	2.0	2009	2011
WS161	VW	CC	Gasolina	2.0	2011	2016
WS161	VW	Eos	Gasolina	2.0	2006	2015
WS161	VW	Golf	Gasolina	2.0	2009	2013
WS161	VW	Golf Estate/Variant	Gasolina	2.0	2007	2009

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VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



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VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS161	VW	Jetta	Gasolina	2.0	2010	2014
WS161	VW	Passat	Gasolina	1.8	2007	2010
WS161	VW	Passat	Gasolina	1.8	2008	2010
WS161	VW	Passat	Gasolina	2.0	2005	2010
WS161	VW	Passat	Gasolina	2.0	2007	2010
WS161	VW	Passat CC	Gasolina	1.8	2008	2011
WS161	VW	Passat CC	Gasolina	1.8	2008	2011
WS161	VW	Passat CC	Gasolina	2.0	2008	2011
WS161	VW	Passat Estate/Variant	Gasolina	1.8	2007	2010
WS161	VW	Passat Estate/Variant	Gasolina	1.8	2008	2010
WS161	VW	Passat Estate/Variant	Gasolina	2.0	2005	2010
WS161	VW	Scirocco	Gasolina	2.0	2008	2009
WS161	VW	Tiguan	Gasolina	2.0	2007	2018
WS161	VW	Tiguan	Gasolina	2.0	2007	2018
WS161	VW	Tiguan	Gasolina	2.0	2008	2018
WS162						
WS162	AUDI	A3 Cabrio	Gasolina	1.8	2008	2013
WS162	AUDI	A3 Quattro	Gasolina	1.8	2008	2012
WS162	AUDI	A3 Quattro	Gasolina	2.0	2004	2012
WS162	AUDI	A3 Sportback Quattro	Gasolina	1.8	2008	2013
WS162	AUDI	A3 Sportback Quattro	Gasolina	2.0	2004	2013
WS162	AUDI	A4	Gasolina	1.8	2007	2012
WS162	AUDI	A4	Gasolina	1.8	2007	2012
WS162	AUDI	A4	Gasolina	1.8	2008	2015
WS162	AUDI	A4	Gasolina	1.8	2008	2015
WS162	AUDI	A4	Gasolina	2.0	2008	2013
WS162	AUDI	A4	Gasolina	2.0	2008	2015
WS162	AUDI	A4	Gasolina	2.0	2008	2015
WS162	AUDI	A4	Gasolina	2.0	2008	2015
WS162	AUDI	A4	Gasolina	2.0	2013	2015
WS162	AUDI	A4 Allroad Quattro	Gasolina	2.0	2009	2016
WS162	AUDI	A4 Allroad Quattro	Gasolina	2.0	2012	2016
WS162	AUDI	A4 Quattro	Gasolina	1.8	2008	2012
WS162	AUDI	A4 Quattro	Gasolina	1.8	2008	2012
WS162	AUDI	A4 Quattro	Gasolina	2.0	2008	2015
WS162	AUDI	A4 Quattro	Gasolina	2.0	2008	2015
WS162	AUDI	A4 Quattro	Gasolina	2.0	2012	2015
WS162	AUDI	A5	Gasolina	2.0	2008	2013
WS162	AUDI	A5 Cabrio	Gasolina	2.0	2009	2014
WS162	AUDI	A5 Cabrio	Gasolina	2.0	2013	2014
WS162	AUDI	A5 Cabrio Quattro	Gasolina	2.0	2009	2017
WS162	AUDI	A5 Quattro	Gasolina	2.0	2008	2017
WS162	AUDI	A5 Quattro	Gasolina	2.0	2013	2017
WS162	AUDI	A5 Sportback	Gasolina	2.0	2009	2013
WS162	AUDI	A5 Sportback Quattro	Gasolina	2.0	2009	2013
WS162	AUDI	A6	Gasolina	2.0	2011	2015
WS162	AUDI	A6 Quattro	Gasolina	2.0	2011	2018
WS162	AUDI	A8	Totalmente hibrido/gasolina	2.0	2012	2015
WS162	AUDI	Q3 Quattro	Gasolina	2.0	2011	2015
WS162	AUDI	Q3 Quattro	Gasolina	2.0	2011	2015
WS162	AUDI	Q5 Quattro	Gasolina	2.0	2008	2012
WS162	AUDI	Q5 Quattro	Gasolina	2.0	2008	2012
WS162	AUDI	Q5 Quattro	Gasolina	2.0	2013	2017
WS162	AUDI	Q5 Quattro	Totalmente hibrido/gasolina	2.0	2011	2016
WS162	AUDI	TT	Gasolina	1.8	2008	2014
WS162	AUDI	TT	Gasolina	1.8	2008	2014
WS162	AUDI	TT	Gasolina	2.0	2006	2010
WS162	AUDI	TT	Gasolina	2.0	2007	2010
WS162	AUDI	TT	Gasolina	2.0	2010	2014
WS162	AUDI	TT	Gasolina	2.0	2010	2014

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS162	AUDI	TT Quattro	Gasolina	2.0	2008	2010
WS162	AUDI	TT Quattro	Gasolina	2.0	2008	2010
WS162	AUDI	TT Quattro	Gasolina	2.0	2010	2014
WS162	AUDI	TT Quattro	Gasolina	2.0	2010	2014
WS162	SEAT	Alhambra	Gasolina	2.0	2010	2012
WS162	SEAT	Altea	Gasolina	1.8	2007	
WS162	SEAT	Altea Freetrack	Gasolina	2.0	2009	
WS162	SEAT	Altea Freetrack	Gasolina	2.0	2009	
WS162	SEAT	Altea XL	Gasolina	1.8	2007	
WS162	SEAT	Exeo	Gasolina	1.8	2010	2013
WS162	SEAT	Exeo	Gasolina	1.8	2010	2013
WS162	SEAT	Exeo	Gasolina	2.0	2010	2013
WS162	SEAT	Exeo ST	Gasolina	1.8	2010	2013
WS162	SEAT	Exeo ST	Gasolina	1.8	2010	2013
WS162	SEAT	Exeo ST	Gasolina	2.0	2010	2013
WS162	SEAT	León	Gasolina	1.8	2007	2013
WS162	SEAT	León	Gasolina	2.0	2009	2013
WS162	SEAT	Toledo	Gasolina	1.8	2007	2009
WS162	SKODA	Octavia	Gasolina	1.8	2007	2013
WS162	SKODA	Octavia	Gasolina	1.8	2007	2013
WS162	SKODA	Octavia	Gasolina	1.8	2008	2013
WS162	SKODA	Octavia	Gasolina	1.8	2009	2013
WS162	SKODA	Octavia	Gasolina	1.8	2009	2013
WS162	SKODA	Octavia	Gasolina	1.8	2009	2013
WS162	SKODA	Octavia	Gasolina	2.0	2005	2013
WS162	SKODA	Octavia	Gasolina	2.0	2005	2013
WS162	SKODA	Octavia Scout	Gasolina	1.8	2008	2013
WS162	SKODA	Octavia Scout	Gasolina	1.8	2009	2009
WS162	SKODA	Superb	Gasolina	1.8	2008	2015
WS162	SKODA	Superb	Gasolina	1.8	2008	2015
WS162	SKODA	Superb	Gasolina	1.8	2009	2015
WS162	SKODA	Superb	Gasolina	1.8	2009	2015
WS162	SKODA	Superb	Gasolina	1.8	2009	2015
WS162	SKODA	Superb	Gasolina	1.8	2009	2015
WS162	SKODA	Superb	Gasolina	1.8	2009	2015
WS162	SKODA	Superb	Gasolina	2.0	2010	2015
WS162	SKODA	Superb	Gasolina	2.0	2010	2015
WS162	SKODA	Yeti	Gasolina	1.8	2009	2017
WS162	SKODA	Yeti	Gasolina	1.8	2009	2017
WS162	VW	Amarok	Gasolina	2.0	2010	2016
WS162	VW	California	Gasolina	2.0	2011	2015
WS162	VW	California	Gasolina	2.0	2011	2015
WS162	VW	California	Gasolina	2.0	2012	2015
WS162	VW	California	Gasolina	2.0	2015	
WS162	VW	California	Gasolina	2.0	2015	
WS162	VW	California	Gasolina	2.0	2015	
WS162	VW	Campmobile	Gasolina	2.0	2011	2015
WS162	VW	Campmobile	Gasolina	2.0	2011	2015
WS162	VW	Campmobile	Gasolina	2.0	2012	2015
WS162	VW	Campmobile	Gasolina	2.0	2015	
WS162	VW	Campmobile	Gasolina	2.0	2015	
WS162	VW	Campmobile	Gasolina	2.0	2015	
WS162	VW	Caravelle	Gasolina	2.0	2011	2015
WS162	VW	Caravelle	Gasolina	2.0	2011	2015
WS162	VW	Caravelle	Gasolina	2.0	2012	2015
WS162	VW	Caravelle	Gasolina	2.0	2015	
WS162	VW	Caravelle	Gasolina	2.0	2015	
WS162	VW	Caravelle	Gasolina	2.0	2015	
WS162	VW	CC	Gasolina	1.8	2011	2016

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VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS168	CHEVROLET	Cruze	Gasolina	1.6	2011	
WS168	CHEVROLET	Cruze	Gasolina	1.6	2012	2015
WS168	CHEVROLET	Cruze	Gasolina	1.6	2012	
WS168	CHEVROLET	Cruze	Gasolina	1.6	2012	
WS168	CHEVROLET	Cruze	Gasolina	1.6	2012	2015
WS168	CHEVROLET	Cruze	Gasolina	1.8	2009	
WS168	CHEVROLET	Cruze	Gasolina	1.8	2011	
WS168	CHEVROLET	Cruze	Gasolina	1.8	2011	
WS168	CHEVROLET	Cruze	Gasolina	1.8	2012	
WS168	CHEVROLET	Cruze	GLP (con o sin gasolina)	1.8	2010	2015
WS168	CHEVROLET	Cruze	GLP (con o sin gasolina)	1.8	2011	2015
WS168	CHEVROLET	Orlando	Gasolina	1.8	2011	
WS168	CHEVROLET	Orlando	GLP (con o sin gasolina)	1.8	2011	2015
WS168	CHEVROLET	Tracker	Gasolina	1.8	2013	
WS168	CHEVROLET	Tracker	Gasolina	1.8	2013	
WS168	OPEL	Astra	Gasolina	1.6	2006	2011
WS168	OPEL	Astra	Gasolina	1.6	2006	2012
WS168	OPEL	Astra	Gasolina	1.6	2007	2010
WS168	OPEL	Astra	Gasolina	1.6	2009	2015
WS168	OPEL	Astra	Gasolina	1.6	2010	2015
WS168	OPEL	Astra	Gasolina	1.6	2012	
WS168	OPEL	Astra	Gasolina	1.8	2005	2012
WS168	OPEL	Astra	Gasolina	1.8	2006	2011
WS168	OPEL	Astra	Gasolina	1.8	2006	2012
WS168	OPEL	Astra	GLP (con o sin gasolina)	1.6	2009	2010
WS168	OPEL	Astra Cabrio	Gasolina	1.6	2006	2011
WS168	OPEL	Astra Cabrio	Gasolina	1.8	2006	2011
WS168	OPEL	Astra Classic	Gasolina	1.6	2009	
WS168	OPEL	Astra Classic	Gasolina	1.6	2009	
WS168	OPEL	Astra Classic	Gasolina	1.6	2009	
WS168	OPEL	Astra Classic	Gasolina	1.8	2012	
WS168	OPEL	Astra Classic	Gasolina	1.8	2012	
WS168	OPEL	Astra Classic	Gasolina	1.8	2012	
WS168	OPEL	Astra Family	Gasolina	1.6	2006	2014
WS168	OPEL	Astra Family	Gasolina	1.6	2011	2014
WS168	OPEL	Astra Family	Gasolina	1.6	2013	
WS168	OPEL	Astra Family	Gasolina	1.8	2007	2012
WS168	OPEL	Astra Family	Gasolina	1.8	2012	2014
WS168	OPEL	Astra Family	Gasolina	1.8	2013	
WS168	OPEL	Astra GTC	Gasolina	1.6	2006	2011
WS168	OPEL	Astra GTC	Gasolina	1.8	2006	2011
WS168	OPEL	Astra GTC	Gasolina	1.8	2011	2015
WS168	OPEL	Astra Van	Gasolina	1.6	2006	2010
WS168	OPEL	Insignia	Gasolina	1.6	2008	2017
WS168	OPEL	Insignia	Gasolina	1.6	2008	2017
WS168	OPEL	Insignia	Gasolina	1.6	2008	2017
WS168	OPEL	Insignia	Gasolina	1.6	2008	2017
WS168	OPEL	Insignia	Gasolina	1.8	2008	2017
WS168	OPEL	Insignia	Gasolina	1.8	2008	2017
WS168	OPEL	Insignia Sport Tourer	Gasolina	1.6	2008	2017
WS168	OPEL	Insignia Sport Tourer	Gasolina	1.6	2008	2017
WS168	OPEL	Insignia Sport Tourer	Gasolina	1.8	2008	2017
WS168	OPEL	Mokka	Gasolina	1.6	2012	
WS168	OPEL	Mokka	Gasolina	1.8	2012	
WS168	OPEL	Mokka	Gasolina	1.8	2012	
WS168	OPEL	Mokka X	Gasolina	1.6	2016	
WS168	OPEL	Signum	Gasolina	1.8	2005	2008
WS168	OPEL	Vectra	Gasolina	1.8	2005	2008
WS168	OPEL	Vectra	Gasolina	1.8	2005	2008

WS168

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SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



WS168

WS172

VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS168	OPEL	Vectra	Gasolina	1.8	2005	2008
WS168	OPEL	Zafira	Gasolina	1.6	2008	2015
WS168	OPEL	Zafira	Gasolina	1.8	2005	2015
WS168	OPEL	Zafira	GLP (con o sin gasolina)	1.8	2011	2015
WS168	OPEL	Zafira	Biocombustible (etanol) o metanol	1.6	2008	2012
WS168	OPEL	Zafira Family	Gasolina	1.8	2011	2019
WS168	OPEL	Zafira Family	Gasolina	1.8	2013	2015
WS168	OPEL	Zafira Tourer	Gasolina	1.8	2011	
WS168	OPEL	Zafira Tourer	Gasolina	1.8	2011	
WS168	OPEL	Zafira Van	Gasolina	1.8	2005	2015

WS172

WS172	ALPINA	B7	Gasolina	4.4	2003	2008
WS172	BMW	116i	Gasolina	1.6	2004	2011
WS172	BMW	116i	Gasolina	1.6	2007	2011
WS172	BMW	118i	Gasolina	2.0	2004	2008
WS172	BMW	118i	Gasolina	2.0	2004	2008
WS172	BMW	118i	Gasolina	2.0	2006	2011
WS172	BMW	118i	Gasolina	2.0	2006	2012
WS172	BMW	118i Cabrio	Gasolina	2.0	2008	2013
WS172	BMW	120i	Gasolina	2.0	2004	2007
WS172	BMW	120i	Gasolina	2.0	2007	2011
WS172	BMW	120i	Gasolina	2.0	2007	2011
WS172	BMW	120i Cabrio	Gasolina	2.0	2008	2013
WS172	BMW	120i Coupé	Gasolina	2.0	2009	2013
WS172	BMW	316i	Gasolina	1.6	2002	2005
WS172	BMW	316i	Gasolina	1.6	2005	2011
WS172	BMW	316i	Gasolina	1.8	2001	2005
WS172	BMW	316i Compact	Gasolina	1.6	2002	2005
WS172	BMW	316i Compact	Gasolina	1.6	2002	2005
WS172	BMW	316i Compact	Gasolina	1.8	2001	2005
WS172	BMW	316i Coupé	Gasolina	1.6	2002	2006
WS172	BMW	316i Touring	Gasolina	1.8	2001	2005
WS172	BMW	318i	Gasolina	2.0	2001	2005
WS172	BMW	318i	Gasolina	2.0	2001	2005
WS172	BMW	318i	Gasolina	2.0	2005	2007
WS172	BMW	318i	Gasolina	2.0	2007	2011
WS172	BMW	318i Cabrio	Gasolina	2.0	2001	2006
WS172	BMW	318i Cabrio	Gasolina	2.0	2001	2006
WS172	BMW	318i Cabrio	Gasolina	2.0	2004	2006
WS172	BMW	318i Compact	Gasolina	2.0	2001	2004
WS172	BMW	318i Compact	Gasolina	2.0	2001	2005
WS172	BMW	318i Coupé	Gasolina	2.0	2001	2004
WS172	BMW	318i Coupé	Gasolina	2.0	2003	2004
WS172	BMW	318i Coupé	Gasolina	2.0	2004	2006
WS172	BMW	318i Touring	Gasolina	2.0	2001	2005
WS172	BMW	318i Touring	Gasolina	2.0	2006	2007
WS172	BMW	320i	Gasolina	2.0	2004	2007
WS172	BMW	320i	Gasolina	2.0	2005	2006
WS172	BMW	320i	Gasolina	2.0	2007	2011
WS172	BMW	320i Cabrio	Gasolina	2.0	2007	2013
WS172	BMW	320i Coupé	Gasolina	2.0	2007	2013
WS172	BMW	320i Touring	Gasolina	2.0	2005	2012
WS172	BMW	520i	Gasolina	2.0	2007	2010
WS172	BMW	540i	Gasolina	4.0	2005	2007
WS172	BMW	540i	Gasolina	4.0	2007	2009
WS172	BMW	545i	Gasolina	4.4	2003	2005
WS172	BMW	545i Touring	Gasolina	4.4	2004	2005
WS172	BMW	550i	Gasolina	4.8	2005	2009
WS172	BMW	550i Touring	Gasolina	4.8	2005	2011
WS172	BMW	645i Cabrio	Gasolina	4.4	2004	2005

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SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS172	BMW	645i Coupé	Gasolina	4.4	2003	2005
WS172	BMW	650i Cabrio	Gasolina	4.8	2005	2010
WS172	BMW	650i Coupé	Gasolina	4.8	2005	2010
WS172	BMW	735i	Gasolina	3.6	2001	2005
WS172	BMW	735i	Gasolina	3.6	2002	2005
WS172	BMW	735i	Gasolina	4.0	2005	2008
WS172	BMW	740i	Gasolina	4.0	2005	2008
WS172	BMW	740i	Gasolina	4.0	2005	2008
WS172	BMW	745i	Gasolina	4.4	2001	2005
WS172	BMW	745i	Gasolina	4.4	2002	2005
WS172	BMW	745i	Gasolina	4.4	2002	2008
WS172	BMW	750i	Gasolina	4.8	2005	2008
WS172	BMW	750i	Gasolina	4.8	2005	2008
WS172	BMW	760i	Gasolina	6.0	2002	2008
WS172	BMW	760i	Gasolina	6.0	2003	2008
WS172	BMW	760i	Gasolina	6.0	2003	2008
WS172	BMW	760i	Gasolina	6.0	2003	2005
WS172	BMW	760i	Gasolina	6.0	2003	2005
WS172	BMW	X1 sDrive 18i	Gasolina	2.0	2010	2015
WS172	BMW	X1 sDrive 18i	Gasolina	2.0	2010	2015
WS172	BMW	X3	Gasolina	2.0	2005	2008
WS172	BMW	X3 xDrive 20i	Gasolina	2.0	2008	2011
WS172	BMW	X5	Gasolina	4.4	2003	2006
WS172	BMW	X5	Gasolina	4.8	2004	2006
WS172	BMW	X5	Gasolina	4.8	2006	2008
WS172	BMW	X5 xDrive 48i	Gasolina	4.8	2008	2010
WS172	BMW	Z4 Cabrio	Gasolina	2.0	2005	2009
WS172	ROLLS-ROYCE	Phantom	Gasolina	6.7	2002	2017
WS172	ROLLS-ROYCE	Phantom	Gasolina	6.7	2007	2017
WS172	ROLLS-ROYCE	Phantom	Gasolina	6.7	2008	2017
WS173						
WS173	BMW	114i	Gasolina	1.6	2011	
WS173	BMW	114i	Gasolina	1.6	2012	2015
WS173	BMW	116i	Gasolina	1.6	2011	2015
WS173	BMW	116i	Gasolina	1.6	2011	2015
WS173	BMW	118i	Gasolina	1.6	2011	
WS173	BMW	118i	Gasolina	1.6	2011	2015
WS173	BMW	118i	Gasolina	1.6	2015	
WS173	BMW	118i	Gasolina	1.6	2015	2015
WS173	BMW	120i	Gasolina	1.6	2015	
WS173	BMW	316i	Gasolina	1.6	2012	2016
WS173	BMW	316i Touring	Gasolina	1.6	2013	2015
WS173	BMW	320i	Gasolina	1.6	2012	2016
WS173	MINI	Mini Clubman	Gasolina	1.4	2009	2010
WS173	MINI	Mini Clubman	Gasolina	1.6	2007	2010
WS173	MINI	Mini Clubman	Gasolina	1.6	2007	2013
WS173	MINI	Mini Clubman	Gasolina	1.6	2007	2014
WS173	MINI	Mini Clubman	Gasolina	1.6	2008	2015
WS173	MINI	Mini Clubman	Gasolina	1.6	2008	2010
WS173	MINI	Mini Clubman	Gasolina	1.6	2010	2014
WS173	MINI	Mini Clubman	Gasolina	1.6	2010	2014
WS173	MINI	Mini Clubman	Gasolina	1.6	2010	2015
WS173	MINI	Mini Clubman	Gasolina	1.6	2010	2015
WS173	MINI	Mini Clubman	Gasolina	1.6	2010	2015
WS173	MINI	Mini Clubvan	Gasolina	1.6	2012	2015
WS173	MINI	Mini Clubvan	Gasolina	1.6	2012	2015
WS173	MINI	Mini Cooper	Gasolina	1.6	2006	2013
WS173	MINI	Mini Cooper	Gasolina	1.6	2006	2013
WS173	MINI	Mini Cooper	Gasolina	1.6	2006	2011
WS173	MINI	Mini Cooper	Gasolina	1.6	2006	2011

WS172

WS173

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SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



WS173

VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS173	MINI	Mini Cooper	Gasolina	1.6	2006	2014
WS173	MINI	Mini Cooper	Gasolina	1.6	2007	2013
WS173	MINI	Mini Cooper	Gasolina	1.6	2008	2013
WS173	MINI	Mini Cooper	Gasolina	1.6	2008	2014
WS173	MINI	Mini Cooper	Gasolina	1.6	2008	2010
WS173	MINI	Mini Cooper	Gasolina	1.6	2008	2015
WS173	MINI	Mini Cooper	Gasolina	1.6	2009	2010
WS173	MINI	Mini Cooper	Gasolina	1.6	2009	2011
WS173	MINI	Mini Cooper	Gasolina	1.6	2009	2014
WS173	MINI	Mini Cooper	Gasolina	1.6	2010	2013
WS173	MINI	Mini Cooper	Gasolina	1.6	2010	2014
WS173	MINI	Mini Cooper	Gasolina	1.6	2010	2014
WS173	MINI	Mini Cooper	Gasolina	1.6	2010	2014
WS173	MINI	Mini Cooper	Gasolina	1.6	2010	2015
WS173	MINI	Mini Cooper	Gasolina	1.6	2012	2013
WS173	MINI	Mini Countryman	Gasolina	1.6	2010	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2010	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2010	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2010	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2010	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2010	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2010	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2010	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2010	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2010	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2010	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2010	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2012	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2013	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2014	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2014	2016
WS173	MINI	Mini Countryman	Gasolina	1.6	2014	2016
WS173	MINI	Mini Coupé	Gasolina	1.6	2011	
WS173	MINI	Mini Coupé	Gasolina	1.6	2011	
WS173	MINI	Mini Coupé	Gasolina	1.6	2011	
WS173	MINI	Mini Coupé	Gasolina	1.6	2011	
WS173	MINI	Mini Coupé	Gasolina	1.6	2011	
WS173	MINI	Mini Coupé	Gasolina	1.6	2011	
WS173	MINI	Mini One	Gasolina	1.4	2006	2010
WS173	MINI	Mini One	Gasolina	1.4	2009	2010
WS173	MINI	Mini One	Gasolina	1.6	2010	2013
WS173	MINI	Mini One	Gasolina	1.6	2010	2013
WS173	MINI	Mini One	Gasolina	1.6	2010	2014
WS173	MINI	Mini One	GLP (con o sin gasolina)	1.4	2009	2010
WS173	MINI	Mini Paceman	Gasolina	1.6	2012	2016
WS173	MINI	Mini Paceman	Gasolina	1.6	2013	2016
WS173	MINI	Mini Paceman	Gasolina	1.6	2013	2016
WS173	MINI	Mini Paceman	Gasolina	1.6	2013	2016
WS173	MINI	Mini Paceman	Gasolina	1.6	2013	2016
WS173	MINI	Mini Paceman	Gasolina	1.6	2013	2016
WS173	MINI	Mini Paceman	Gasolina	1.6	2013	2016
WS173	MINI	Mini Paceman	Gasolina	1.6	2013	2016
WS173	MINI	Mini Paceman	Gasolina	1.6	2014	2016
WS173	MINI	Mini Paceman	Gasolina	1.6	2014	2016
WS173	MINI	Mini Paceman	Gasolina	1.6	2014	2016
WS173	MINI	Mini Roadster	Gasolina	1.6	2012	
WS173	MINI	Mini Roadster	Gasolina	1.6	2012	
WS173	MINI	Mini Roadster	Gasolina	1.6	2012	
WS173	MINI	Mini Roadster	Gasolina	1.6	2012	
WS173	MINI	Mini Roadster	Gasolina	1.6	2012	
WS173	PEUGEOT	207	Gasolina	1.4	2007	2013
WS173	PEUGEOT	207	Gasolina	1.6	2006	2013

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS173	PEUGEOT	207	Gasolina	1.6	2007	2012
WS173	PEUGEOT	207	Gasolina	1.6	2007	2012
WS173	PEUGEOT	207	Gasolina	1.6	2007	2012
WS173	PEUGEOT	207	Gasolina	1.6	2008	2012
WS173	PEUGEOT	207	Gasolina	1.6	2009	2012
WS173	PEUGEOT	207 CC	Gasolina	1.6	2006	2012
WS173	PEUGEOT	207 CC	Gasolina	1.6	2006	2013
WS173	PEUGEOT	207 CC	Gasolina	1.6	2007	2012
WS173	PEUGEOT	207 SW	Gasolina	1.4	2007	2013
WS173	PEUGEOT	207 SW	Gasolina	1.6	2007	2012
WS173	PEUGEOT	207 SW	Gasolina	1.6	2007	2012
WS173	PEUGEOT	207 SW	Gasolina	1.6	2007	2013
WS173	PEUGEOT	308	Gasolina	1.4	2007	2014
WS173	PEUGEOT	308	Gasolina	1.6	2007	2014
WS173	PEUGEOT	308	Gasolina	1.6	2007	2014
WS173	PEUGEOT	308	Gasolina	1.6	2008	2014
WS173	PEUGEOT	308	Gasolina	1.6	2009	2014
WS173	PEUGEOT	308 CC	Gasolina	1.6	2009	2014
WS173	PEUGEOT	308 CC	Gasolina	1.6	2009	2014
WS173	PEUGEOT	308 CC	Gasolina	1.6	2009	2014
WS173	PEUGEOT	308 CC	Gasolina	1.6	2009	2014
WS173	PEUGEOT	308 SW	Gasolina	1.4	2008	2014
WS173	PEUGEOT	308 SW	Gasolina	1.6	2008	2014
WS173	PEUGEOT	308 SW	Gasolina	1.6	2008	2014
WS173	PEUGEOT	308 SW	Gasolina	1.6	2008	2014
WS173	PEUGEOT	308 SW	Gasolina	1.6	2009	2014
WS173	PEUGEOT	3008	Gasolina	1.6	2009	2016
WS173	PEUGEOT	3008	Gasolina	1.6	2009	2016
WS173	PEUGEOT	3008	Gasolina	1.6	2009	2016
WS173	PEUGEOT	5008	Gasolina	1.6	2009	2017
WS173	PEUGEOT	5008	Gasolina	1.6	2009	2017
WS173	PEUGEOT	Partner Tepee	Gasolina	1.6	2009	
WS176						
WS176	AUDI	S3 Quattro	Gasolina	2.0	2006	2012
WS176	AUDI	S3 Quattro	Gasolina	2.0	2007	2012
WS176	AUDI	S3 Sportback Quattro	Gasolina	2.0	2008	2013
WS176	AUDI	S3 Sportback Quattro	Gasolina	2.0	2008	2013
WS176	AUDI	A4	Gasolina	2.0	2004	2007
WS176	AUDI	A4	Gasolina	2.0	2004	2008
WS176	AUDI	A4 Cabrio	Gasolina	2.0	2006	2009
WS176	AUDI	A4 Quattro	Gasolina	2.0	2004	2008
WS176	AUDI	A4 Quattro	Gasolina	2.0	2004	2008
WS176	AUDI	A6	Gasolina	2.0	2005	2011
WS176	AUDI	A6	Gasolina	2.0	2005	2011
WS176	AUDI	TTS Quattro	Gasolina	2.0	2008	2014
WS176	AUDI	TTS Quattro	Gasolina	2.0	2008	2014
WS176	SEAT	Altea	Gasolina	2.0	2006	2009
WS176	SEAT	Altea Freetrack	Gasolina	2.0	2007	2009
WS176	SEAT	Altea Freetrack	Gasolina	2.0	2007	2009
WS176	SEAT	Altea XL	Gasolina	2.0	2006	2009
WS176	SEAT	Altea XL	Gasolina	2.0	2007	2009
WS176	SEAT	León	Gasolina	2.0	2005	2009
WS176	SEAT	León	Gasolina	2.0	2006	2011
WS176	SEAT	León	Gasolina	2.0	2009	2013
WS176	SEAT	Toledo	Gasolina	2.0	2005	2009
WS176	VW	Golf	Gasolina	2.0	2004	2009
WS176	VW	Golf	Gasolina	2.0	2006	2008
WS176	VW	Jetta	Gasolina	2.0	2005	2010
WS176	VW	Scirocco	Gasolina	2.0	2009	2014
WS176	VW	Scirocco	Gasolina	2.0	2009	2017

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SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



WS177

VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS177						
WS177	BMW	125i Cabrio	Gasolina	3.0	2007	2013
WS177	BMW	125i Coupé	Gasolina	3.0	2008	2013
WS177	BMW	130i	Gasolina	3.0	2005	2012
WS177	BMW	130i	Gasolina	3.0	2005	2007
WS177	BMW	130i	Gasolina	3.0	2007	2011
WS177	BMW	130i	Gasolina	3.0	2007	2012
WS177	BMW	135i Cabrio	Gasolina	3.0	2008	2013
WS177	BMW	135i Coupé	Gasolina	3.0	2007	
WS177	BMW	M Coupé	Gasolina	3.0	2011	2012
WS177	BMW	323i	Gasolina	2.5	2005	2007
WS177	BMW	323i	Gasolina	2.5	2006	2011
WS177	BMW	323i Cabrio	Gasolina	2.5	2010	2011
WS177	BMW	323i Coupé	Gasolina	2.5	2008	2011
WS177	BMW	323i Touring	Gasolina	2.5	2006	2007
WS177	BMW	323i Touring	Gasolina	2.5	2006	2008
WS177	BMW	325i	Gasolina	2.5	2004	2011
WS177	BMW	325i	Gasolina	2.5	2005	2008
WS177	BMW	325i	Gasolina	2.5	2006	2007
WS177	BMW	325i	Gasolina	3.0	2006	2011
WS177	BMW	325i	Gasolina	3.0	2007	2011
WS177	BMW	325i	Gasolina	3.0	2007	2008
WS177	BMW	325i Cabrio	Gasolina	2.5	2006	2010
WS177	BMW	325i Cabrio	Gasolina	3.0	2006	2013
WS177	BMW	325i Cabrio	Gasolina	3.0	2007	2013
WS177	BMW	325i Coupé	Gasolina	2.5	2006	2010
WS177	BMW	325i Coupé	Gasolina	2.5	2006	2010
WS177	BMW	325i Coupé	Gasolina	2.5	2010	2013
WS177	BMW	325i Coupé	Gasolina	2.5	2010	2013
WS177	BMW	325i Coupé	Gasolina	3.0	2007	2008
WS177	BMW	325i Coupé	Gasolina	3.0	2007	2010
WS177	BMW	325i Coupé	Gasolina	3.0	2007	2013
WS177	BMW	325i Coupé	Gasolina	3.0	2010	2013
WS177	BMW	325i Touring	Gasolina	2.5	2004	2008
WS177	BMW	325i Touring	Gasolina	2.5	2005	2008
WS177	BMW	325i Touring	Gasolina	2.5	2005	2010
WS177	BMW	325i Touring	Gasolina	3.0	2006	2008
WS177	BMW	325i Touring	Gasolina	3.0	2007	2012
WS177	BMW	325i Touring	Gasolina	3.0	2007	2012
WS177	BMW	325i Touring	Gasolina	3.0	2007	2008
WS177	BMW	325i xDrive	Gasolina	2.5	2008	2011
WS177	BMW	325i xDrive	Gasolina	3.0	2008	2011
WS177	BMW	325i xDrive	Gasolina	3.0	2008	2011
WS177	BMW	325i xDrive Coupé	Gasolina	2.5	2006	2012
WS177	BMW	325i xDrive Coupé	Gasolina	2.5	2010	2013
WS177	BMW	325i xDrive Coupé	Gasolina	3.0	2008	2013
WS177	BMW	325i xDrive Coupé	Gasolina	3.0	2008	2013
WS177	BMW	325i xDrive Touring	Gasolina	2.5	2004	2008
WS177	BMW	325i xDrive Touring	Gasolina	3.0	2008	2012
WS177	BMW	325i xDrive Touring	Gasolina	3.0	2008	2012
WS177	BMW	328i	Gasolina	3.0	2006	2011
WS177	BMW	328i Coupé	Gasolina	3.0	2006	2013
WS177	BMW	328i Coupé	Gasolina	3.0	2006	2008
WS177	BMW	330i	Gasolina	3.0	2004	2011
WS177	BMW	330i	Gasolina	3.0	2005	2007
WS177	BMW	330i	Gasolina	3.0	2007	2008
WS177	BMW	330i	Gasolina	3.0	2007	2011
WS177	BMW	330i Cabrio	Gasolina	3.0	2007	2013
WS177	BMW	330i Cabrio	Gasolina	3.0	2010	2013
WS177	BMW	330i Coupé	Gasolina	3.0	2006	2008

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SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS177	BMW	330i Coupé	Gasolina	3.0	2006	2010
WS177	BMW	330i Coupé	Gasolina	3.0	2006	2013
WS177	BMW	330i Coupé	Gasolina	3.0	2010	2013
WS177	BMW	330i Touring	Gasolina	3.0	2005	2007
WS177	BMW	330i Touring	Gasolina	3.0	2005	2007
WS177	BMW	330i Touring	Gasolina	3.0	2007	2012
WS177	BMW	330i Touring	Gasolina	3.0	2007	2012
WS177	BMW	330i xDrive	Gasolina	3.0	2008	2011
WS177	BMW	330i xDrive Coupé	Gasolina	3.0	2008	
WS177	BMW	330i xDrive Touring	Gasolina	3.0	2007	2012
WS177	BMW	335i	Gasolina	3.0	2006	2011
WS177	BMW	335i	Gasolina	3.0	2006	2011
WS177	BMW	335i	Gasolina	3.0	2006	2011
WS177	BMW	335i	Gasolina	3.0	2007	2011
WS177	BMW	335i Cabrio	Gasolina	3.0	2006	2013
WS177	BMW	335i Cabrio	Gasolina	3.0	2006	2013
WS177	BMW	335i Coupé	Gasolina	3.0	2006	2013
WS177	BMW	335i Coupé	Gasolina	3.0	2006	2013
WS177	BMW	335i Coupé	Gasolina	3.0	2007	2008
WS177	BMW	335i Touring	Gasolina	3.0	2006	2008
WS177	BMW	335i Touring	Gasolina	3.0	2006	2012
WS177	BMW	335i Touring	Gasolina	3.0	2006	2012
WS177	BMW	335i Touring	Gasolina	3.0	2007	2008
WS177	BMW	335i xDrive	Gasolina	3.0	2006	2011
WS177	BMW	335i xDrive	Gasolina	3.0	2008	2011
WS177	BMW	335i xDrive	Gasolina	3.0	2009	2012
WS177	BMW	335i xDrive Coupé	Gasolina	3.0	2007	2013
WS177	BMW	335i xDrive Coupé	Gasolina	3.0	2008	
WS177	BMW	335i xDrive Touring	Gasolina	3.0	2008	2012
WS177	BMW	335i xDrive Touring	Gasolina	3.0	2008	2012
WS177	BMW	523i	Gasolina	2.5	2004	2007
WS177	BMW	523i	Gasolina	2.5	2007	2009
WS177	BMW	523i	Gasolina	2.5	2010	2011
WS177	BMW	523i	Gasolina	3.0	2010	2011
WS177	BMW	523i	Gasolina	3.0	2010	2011
WS177	BMW	523i Touring	Gasolina	2.5	2004	2007
WS177	BMW	523i Touring	Gasolina	2.5	2007	2010
WS177	BMW	525i	Gasolina	2.5	2005	2009
WS177	BMW	525i	Gasolina	2.5	2005	2007
WS177	BMW	525i	Gasolina	2.5	2005	2010
WS177	BMW	525i	Gasolina	3.0	2007	2010
WS177	BMW	525i	Gasolina	3.0	2007	2010
WS177	BMW	525i	Gasolina	3.0	2007	2009
WS177	BMW	525i Touring	Gasolina	2.5	2004	2010
WS177	BMW	525i Touring	Gasolina	2.5	2005	2007
WS177	BMW	525i Touring	Gasolina	2.5	2005	2010
WS177	BMW	525i Touring	Gasolina	3.0	2007	2010
WS177	BMW	525i Touring	Gasolina	3.0	2007	2008
WS177	BMW	525i Touring	Gasolina	3.0	2007	2010
WS177	BMW	525i xDrive	Gasolina	3.0	2008	2010
WS177	BMW	525i xDrive Touring	Gasolina	3.0	2008	2010
WS177	BMW	528i	Gasolina	3.0	2007	2009
WS177	BMW	528i	Gasolina	3.0	2009	2011
WS177	BMW	528i	Gasolina	3.0	2010	2012
WS177	BMW	530i	Gasolina	3.0	2004	2007
WS177	BMW	530i	Gasolina	3.0	2005	2007
WS177	BMW	530i	Gasolina	3.0	2005	2010
WS177	BMW	530i	Gasolina	3.0	2007	2009
WS177	BMW	530i	Gasolina	3.0	2007	2009
WS177	BMW	530i	Gasolina	3.0	2010	2013

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VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS177	BMW	530i	Gasolina	3.0	2011	2013
WS177	BMW	530i Touring	Gasolina	3.0	2004	2007
WS177	BMW	530i Touring	Gasolina	3.0	2005	2007
WS177	BMW	530i Touring	Gasolina	3.0	2006	2008
WS177	BMW	530i Touring	Gasolina	3.0	2007	2010
WS177	BMW	530i xDrive	Gasolina	3.0	2008	2009
WS177	BMW	530i xDrive Touring	Gasolina	3.0	2008	2010
WS177	BMW	630i Cabrio	Gasolina	3.0	2004	2007
WS177	BMW	630i Cabrio	Gasolina	3.0	2007	2010
WS177	BMW	630i Coupé	Gasolina	3.0	2004	2007
WS177	BMW	630i Coupé	Gasolina	3.0	2007	2010
WS177	BMW	730i	Gasolina	3.0	2005	2008
WS177	BMW	730i	Gasolina	3.0	2005	2008
WS177	BMW	730i	Gasolina	3.0	2005	2008
WS177	BMW	730i	Gasolina	3.0	2009	2015
WS177	BMW	730i	Gasolina	3.0	2009	2015
WS177	BMW	730i	Gasolina	3.0	2009	2015
WS177	BMW	740i	Gasolina	3.0	2008	2012
WS177	BMW	740i	Gasolina	3.0	2008	2012
WS177	BMW	740i	Gasolina	3.0	2010	2015
WS177	BMW	X1 xDrive 25i	Gasolina	3.0	2010	2011
WS177	BMW	X1 xDrive 28i	Gasolina	3.0	2009	2011
WS177	BMW	X1 xDrive 28i	Gasolina	3.0	2010	2011
WS177	BMW	X3	Gasolina	2.5	2006	2008
WS177	BMW	X3	Gasolina	2.5	2006	2008
WS177	BMW	X3	Gasolina	3.0	2006	2008
WS177	BMW	X3	Gasolina	3.0	2007	2008
WS177	BMW	X3 xDrive 25i	Gasolina	2.5	2008	2010
WS177	BMW	X3 xDrive 25i	Gasolina	2.5	2008	2010
WS177	BMW	X3 xDrive 28i	Gasolina	3.0	2011	2012
WS177	BMW	X3 xDrive 30i	Gasolina	3.0	2008	2010
WS177	BMW	X3 xDrive 30i	Gasolina	3.0	2009	2010
WS177	BMW	X5	Gasolina	3.0	2006	2008
WS177	BMW	X5 xDrive 30i	Gasolina	3.0	2007	2010
WS177	BMW	X5 xDrive 30i	Gasolina	3.0	2008	2010
WS177	BMW	X6 xDrive 35i	Gasolina	3.0	2008	2014
WS177	BMW	X6 xDrive 35i	Gasolina	3.0	2008	2014
WS177	BMW	X6 xDrive 35i	Gasolina	3.0	2009	2010
WS177	BMW	Z4 Cabrio	Gasolina	2.5	2005	2009
WS177	BMW	Z4 Cabrio	Gasolina	2.5	2005	2009
WS177	BMW	Z4 Cabrio	Gasolina	2.5	2006	2008
WS177	BMW	Z4 Cabrio	Gasolina	3.0	2006	2008
WS177	BMW	Z4 Coupé	Gasolina	3.0	2006	2008
WS177	BMW	Z4 sDrive 23i Cabrio	Gasolina	2.5	2009	2011
WS177	BMW	Z4 sDrive 30i Cabrio	Gasolina	3.0	2009	2011
WS177	BMW	Z4 sDrive 30i Cabrio	Gasolina	3.0	2009	2011
WS177	BMW	Z4 sDrive 35i Cabrio	Gasolina	3.0	2009	2016
WS177	BMW	Z4 sDrive 35i Cabrio	Gasolina	3.0	2009	2016
WS177	BMW	Z4 sDrive 35is Cabrio	Gasolina	3.0	2010	2016
WS180						
WS180	ALPINA	Roadster	Gasolina	4.8	2002	2003
WS180	BMW	535i	Gasolina	3.5	1996	1998
WS180	BMW	535i	Gasolina	3.5	1998	2003
WS180	BMW	540i	Gasolina	4.4	1996	2003
WS180	BMW	540i Touring	Gasolina	4.4	1997	2003
WS180	BMW	735i	Gasolina	3.5	1996	1998
WS180	BMW	735i	Gasolina	3.5	1998	2001
WS180	BMW	740i	Gasolina	4.4	1996	2001
WS180	BMW	X5	Gasolina	4.4	2000	2003
WS180	BMW	X5	Gasolina	4.6	2001	2003

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VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS191						
WS191	NISSAN	Altima	Gasolina	2.5	2006	2012
WS191	NISSAN	Altima	Gasolina	2.5	2010	2012
WS191	NISSAN	Juke	Gasolina	1.6	2010	
WS191	NISSAN	Juke	Gasolina	1.6	2010	
WS191	NISSAN	Juke	Gasolina	1.6	2012	
WS191	NISSAN	Juke	Gasolina	1.6	2012	
WS191	NISSAN	Juke	Gasolina	1.6	2013	
WS191	NISSAN	Juke	Gasolina	1.6	2014	
WS191	NISSAN	Juke	Gasolina	1.6	2014	
WS191	NISSAN	Rogue	Gasolina	2.5	2007	2014
WS191	NISSAN	Rogue	Gasolina	2.5	2007	2014
WS191	NISSAN	Rogue	Gasolina	2.5	2010	2013
WS191	NISSAN	Rogue	Gasolina	2.5	2010	2013
WS191	NISSAN	Rogue	Gasolina	2.5	2010	2013
WS191	NISSAN	Rogue	Gasolina	2.5	2010	2013
WS191	NISSAN	Teana	Gasolina	2.5	2010	2013
WS191	NISSAN	Teana	Gasolina	2.5	2010	2013
WS191	NISSAN	X-Trail	Gasolina	2.5	2007	2014
WS191	NISSAN	X-Trail	Gasolina	2.5	2007	2018
WS191	NISSAN	X-Trail	Gasolina	2.5	2007	2014
WS193						
WS193	NISSAN	Murano	Totalmente híbrido/gasolina	2.5	2016	
WS193	NISSAN	Pathfinder	Totalmente híbrido/gasolina	2.5	2014	
WS193	NISSAN	Pulsar	Gasolina	1.6	2015	
WS193	NISSAN	Qashqai	Gasolina	1.6	2014	
WS193	NISSAN	Qashqai	Gasolina	2.0	2013	
WS193	NISSAN	Qashqai	Gasolina	2.0	2013	
WS193	NISSAN	Qashqai	Gasolina	2.0	2015	
WS193	NISSAN	Qashqai	Gasolina	2.0	2015	
WS193	NISSAN	Qashqai	Gasolina	2.0	2018	
WS193	NISSAN	X-Trail	Gasolina	1.6	2015	
WS193	NISSAN	X-Trail	Gasolina	2.0	2014	
WS193	NISSAN	X-Trail	Gasolina	2.0	2014	
WS193	NISSAN	X-Trail	Gasolina	2.0	2014	
WS193	NISSAN	X-Trail	Gasolina	2.0	2015	
WS193	NISSAN	X-Trail	Gasolina	2.0	2015	
WS193	NISSAN	X-Trail	Gasolina	2.0	2015	
WS193	NISSAN	X-Trail	Biocarburante (etanol) o metanol	2.0	2014	
WS193	NISSAN	X-Trail	Biocarburante (etanol) o metanol	2.0	2014	
WS194						
WS194	LAND ROVER	Freelander	Gasolina	3.2	2006	2014
WS194	LAND ROVER	LR2	Gasolina	3.2	2006	2014
WS194	VOLVO	S60	Gasolina	3.0	2010	2016
WS194	VOLVO	S60	Gasolina	3.0	2010	2015
WS194	VOLVO	S60	Gasolina	3.0	2014	2018
WS194	VOLVO	S80	Gasolina	3.0	2007	2010
WS194	VOLVO	S80	Gasolina	3.0	2011	
WS194	VOLVO	S80	Gasolina	3.2	2006	2014
WS194	VOLVO	S80	Gasolina	3.2	2006	2010
WS194	VOLVO	S80	Gasolina	3.2	2010	
WS194	VOLVO	S80	Gasolina	3.2	2010	2014
WS194	VOLVO	S80	Biocarburante (etanol) o metanol	3.2	2009	2010
WS194	VOLVO	V60	Gasolina	3.0	2010	2015
WS194	VOLVO	V60	Gasolina	3.0	2014	2015
WS194	VOLVO	V60	Gasolina	3.0	2014	2018
WS194	VOLVO	V70	Gasolina	3.0	2007	2010
WS194	VOLVO	V70	Gasolina	3.0	2011	
WS194	VOLVO	V70	Gasolina	3.0	2013	2016
WS194	VOLVO	V70	Gasolina	3.2	2007	2010
WS194	VOLVO	V70	Gasolina	3.2	2007	2012

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SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



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VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS194	VOLVO	V70	Gasolina	3.2	2010	
WS194	VOLVO	V70	Gasolina	3.2	2010	
WS194	VOLVO	XC60	Gasolina	3.0	2008	2010
WS194	VOLVO	XC60	Gasolina	3.0	2009	2017
WS194	VOLVO	XC60	Gasolina	3.0	2014	2015
WS194	VOLVO	XC60	Gasolina	3.2	2009	2010
WS194	VOLVO	XC60	Gasolina	3.2	2010	2017
WS194	VOLVO	XC70	Gasolina	3.0	2008	2016
WS194	VOLVO	XC70	Gasolina	3.0	2010	2015
WS194	VOLVO	XC70	Gasolina	3.0	2013	2016
WS194	VOLVO	XC70	Gasolina	3.2	2007	2011
WS194	VOLVO	XC70	Gasolina	3.2	2010	2014
WS194	VOLVO	XC90	Gasolina	3.2	2006	2014
WS194	VOLVO	XC90	Gasolina	3.2	2011	2014
WS194	VOLVO	XC90	Gasolina	3.2	2011	2014
WS207						
WS207	CHEVROLET	Cruze	Gasolina	1.4	2012	
WS207	CHEVROLET	Cruze	Gasolina	1.4	2012	
WS207	CHEVROLET	Cruze	Gasolina	1.4	2012	
WS207	CHEVROLET	Cruze	Gasolina	1.4	2013	2015
WS207	CHEVROLET	Cruze	Gasolina	1.4	2013	2015
WS207	CHEVROLET	Orlando	Gasolina	1.4	2012	
WS207	CHEVROLET	Tracker	Gasolina	1.4	2013	2015
WS207	OPEL	Adam	Gasolina	1.2	2012	2019
WS207	OPEL	Adam	Gasolina	1.4	2012	2019
WS207	OPEL	Adam	Gasolina	1.4	2014	2019
WS207	OPEL	Adam	GLP (con o sin gasolina)	1.4	2013	2018
WS207	OPEL	Astra	Gasolina	1.4	2009	2015
WS207	OPEL	Astra	Gasolina	1.4	2009	2015
WS207	OPEL	Astra	Gasolina	1.4	2009	2015
WS207	OPEL	Astra	Gasolina	1.4	2010	2015
WS207	OPEL	Astra	Gasolina	1.4	2010	2015
WS207	OPEL	Astra	Gasolina	1.4	2010	2015
WS207	OPEL	Astra	Gasolina	1.4	2010	2015
WS207	OPEL	Astra	Gasolina	1.4	2010	2015
WS207	OPEL	Astra	Gasolina	1.4	2012	
WS207	OPEL	Astra	Gasolina	1.4	2012	2015
WS207	OPEL	Astra	Gasolina	1.4	2012	2015
WS207	OPEL	Astra	Gasolina	1.4	2014	2015
WS207	OPEL	Astra	GLP (con o sin gasolina)	1.4	2012	2015
WS207	OPEL	Astra	GLP (con o sin gasolina)	1.4	2012	2015
WS207	OPEL	Astra	GLP (con o sin gasolina)	1.4	2014	
WS207	OPEL	Astra GTC	Gasolina	1.4	2011	
WS207	OPEL	Astra GTC	Gasolina	1.4	2011	
WS207	OPEL	Astra GTC	Gasolina	1.4	2011	2015
WS207	OPEL	Cascada	Gasolina	1.4	2013	2018
WS207	OPEL	Cascada	Gasolina	1.4	2013	2018
WS207	OPEL	Corsa	Gasolina	1.2	2010	2014
WS207	OPEL	Corsa	Gasolina	1.2	2010	2014
WS207	OPEL	Corsa	Gasolina	1.4	2010	2014
WS207	OPEL	Corsa	Gasolina	1.4	2010	2014
WS207	OPEL	Corsa	Gasolina	1.4	2012	2014
WS207	OPEL	Corsa	GLP (con o sin gasolina)	1.2	2011	2014
WS207	OPEL	Corsa	GLP (con o sin gasolina)	1.2	2011	2014
WS207	OPEL	Corsa	GLP (con o sin gasolina)	1.4	2009	2014
WS207	OPEL	Corsa Van	Gasolina	1.2	2010	2014
WS207	OPEL	Corsa Van	Gasolina	1.2	2010	2014
WS207	OPEL	Corsa Van	Gasolina	1.4	2012	2014
WS207	OPEL	Corsa Van	Gasolina	1.4	2012	2014
WS207	OPEL	Insignia	Gasolina	1.4	2011	2017

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS207	OPEL	Insignia	Gasolina	1.4	2011	2017
WS207	OPEL	Insignia	GLP (con o sin gasolina)	1.4	2012	2017
WS207	OPEL	Insignia	GLP (con o sin gasolina)	1.4	2012	2017
WS207	OPEL	Insignia Sport Tourer	Gasolina	1.4	2011	2017
WS207	OPEL	Insignia Sport Tourer	GLP (con o sin gasolina)	1.4	2012	2017
WS207	OPEL	Meriva	Gasolina	1.4	2010	2017
WS207	OPEL	Meriva	Gasolina	1.4	2010	2017
WS207	OPEL	Meriva	Gasolina	1.4	2010	2017
WS207	OPEL	Meriva	Gasolina	1.4	2013	2017
WS207	OPEL	Meriva	GLP (con o sin gasolina)	1.4	2011	2017
WS207	OPEL	Mokka	Gasolina	1.4	2012	
WS207	OPEL	Mokka	Gasolina	1.4	2012	
WS207	OPEL	Mokka	GLP (con o sin gasolina)	1.4	2013	
WS207	OPEL	Mokka X	Gasolina	1.4	2016	
WS207	OPEL	Mokka X	Gasolina	1.4	2016	
WS207	OPEL	Mokka X	GLP (con o sin gasolina)	1.4	2016	
WS207	OPEL	Zafira Tourer	Gasolina	1.4	2011	
WS207	OPEL	Zafira Tourer	Gasolina	1.4	2011	
WS207	OPEL	Zafira Tourer	GLP (con o sin gasolina)	1.4	2011	
WS208						
WS208	MITSUBISHI	Lancer	Gasolina	1.8	2007	
WS208	MITSUBISHI	Lancer	Gasolina	1.8	2009	
WS208	MITSUBISHI	Lancer	Gasolina	1.8	2010	
WS208	MITSUBISHI	Lancer	Gasolina	2.0	2007	
WS208	MITSUBISHI	Lancer	Gasolina	2.0	2007	
WS208	MITSUBISHI	Lancer	Gasolina	2.0	2008	
WS208	MITSUBISHI	Lancer	Gasolina	2.0	2008	
WS208	MITSUBISHI	Lancer	Gasolina	2.0	2009	
WS208	MITSUBISHI	Lancer	GLP (con o sin gasolina)	1.8	2009	
WS208	MITSUBISHI	Lancer	Biocarburante (etanol) o metanol	1.8	2009	
WS208	MITSUBISHI	Lancer	Biocarburante (etanol) o metanol	1.8	2010	
WS208	MITSUBISHI	Lancer Evolution	Gasolina	2.0	2007	2015
WS208	MITSUBISHI	Lancer Evolution	Gasolina	2.0	2007	
WS208	MITSUBISHI	Lancer Evolution	Gasolina	2.0	2007	
WS208	MITSUBISHI	Lancer Evolution	Gasolina	2.0	2008	
WS208	MITSUBISHI	Lancer Evolution	Gasolina	2.0	2008	
WS208	MITSUBISHI	Lancer Evolution	Gasolina	2.0	2009	2010
WS208	MITSUBISHI	Lancer Evolution	Gasolina	2.0	2009	
WS208	MITSUBISHI	Lancer Fortis	Gasolina	1.8	2007	
WS208	MITSUBISHI	Lancer Sportback	Gasolina	1.8	2008	2011
WS208	MITSUBISHI	Lancer Sportback	Gasolina	1.8	2009	
WS208	MITSUBISHI	Lancer Sportback	Gasolina	2.0	2008	
WS208	MITSUBISHI	Lancer Sportback	GLP (con o sin gasolina)	1.8	2009	
WS208	MITSUBISHI	Lancer Sportback	Biocarburante (etanol) o metanol	1.8	2009	
WS208	MITSUBISHI	Outlander	Gasolina	2.0	2006	2012
WS208	MITSUBISHI	Outlander	Gasolina	2.0	2006	2013
WS208	MITSUBISHI	Outlander	Gasolina	2.4	2006	2013
WS208	MITSUBISHI	Outlander	Gasolina	2.4	2007	2013
WS208	MITSUBISHI	Outlander	Biocarburante (etanol) o metanol	2.4	2007	2010
WS209						
WS209	CHRYSLER	200	Gasolina	2.4	2011	2014
WS209	CHRYSLER	200	Gasolina	2.4	2011	2014
WS209	DODGE	Caliber	Gasolina	1.8	2006	2011
WS209	DODGE	Caliber	Gasolina	2.0	2006	2011
WS209	DODGE	Caliber	Gasolina	2.4	2006	2011
WS209	DODGE	Caliber	Gasolina	2.4	2006	2011
WS209	DODGE	Caliber	Gasolina	2.4	2007	2011
WS209	DODGE	Journey	Gasolina	2.4	2009	2012
WS209	DODGE	Journey	Gasolina	2.4	2009	2012
WS209	DODGE	Journey	Gasolina	2.4	2012	

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SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



WS209

WS212

VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS209	JEEP	Compass	Gasolina	2.0	2011	
WS209	JEEP	Compass	Gasolina	2.0	2012	
WS209	JEEP	Compass	Gasolina	2.0	2012	
WS209	JEEP	Compass	Gasolina	2.4	2007	
WS209	JEEP	Compass	Gasolina	2.4	2007	
WS209	JEEP	Compass	Gasolina	2.4	2015	
WS209	JEEP	Compass	Gasolina	2.4	2017	
WS209	JEEP	Compass	Gasolina	2.4	2017	
WS209	JEEP	Patriot	Gasolina	2.0	2007	2017
WS209	JEEP	Patriot	Gasolina	2.0	2007	2017
WS209	JEEP	Patriot	Gasolina	2.4	2007	2017
WS209	JEEP	Patriot	Gasolina	2.4	2007	2017
WS212						
WS212	AUDI	A1	Gasolina	1.4	2010	2015
WS212	AUDI	A1	Gasolina	1.4	2011	2015
WS212	AUDI	A1 Sportback	Gasolina	1.4	2011	2015
WS212	AUDI	A1 Sportback	Gasolina	1.4	2011	2015
WS212	AUDI	A3	Gasolina	1.4	2007	2012
WS212	AUDI	A3	Gasolina	1.6	2003	2007
WS212	AUDI	A3 Cabrio	Gasolina	1.4	2011	2013
WS212	AUDI	A3 Sportback	Gasolina	1.4	2007	2013
WS212	AUDI	A3 Sportback	Gasolina	1.6	2004	2007
WS212	SEAT	Alhambra	Gasolina	1.4	2010	
WS212	SEAT	Altea	Gasolina	1.4	2007	
WS212	SEAT	Altea Freetrack	Gasolina	1.4	2010	2011
WS212	SEAT	Altea XL	Gasolina	1.4	2007	
WS212	SEAT	Córdoba	Gasolina	1.6	2006	2009
WS212	SEAT	Ibiza	Gasolina	1.4	2008	2015
WS212	SEAT	Ibiza	Gasolina	1.6	2006	2009
WS212	SEAT	Ibiza	Gasolina	1.6	2008	2012
WS212	SEAT	Ibiza SC	Gasolina	1.4	2009	2015
WS212	SEAT	Ibiza SC	Gasolina	1.4	2009	2015
WS212	SEAT	Ibiza SC	Gasolina	1.6	2008	2015
WS212	SEAT	Ibiza ST	Gasolina	1.4	2012	2015
WS212	SEAT	Ibiza ST	Gasolina	1.6	2012	2015
WS212	SEAT	León	Gasolina	1.4	2007	2013
WS212	SEAT	Toledo	Gasolina	1.4	2012	2015
WS212	SEAT	Toledo	Gasolina	1.6	2012	2015
WS212	SKODA	Fabia	Gasolina	1.6	2007	2014
WS212	SKODA	Fabia	Gasolina	1.6	2007	2014
WS212	SKODA	Fabia Scout	Gasolina	1.6	2010	2014
WS212	SKODA	Fabia Scout	Gasolina	1.6	2010	2014
WS212	SKODA	Octavia	Gasolina	1.4	2008	2013
WS212	SKODA	Octavia	Gasolina	1.4	2008	2013
WS212	SKODA	Octavia	Gasolina	1.6	2004	2008
WS212	SKODA	Octavia	Gasolina	1.6	2004	2008
WS212	SKODA	Rapid	Gasolina	1.6	2012	2015
WS212	SKODA	Rapid Spaceback	Gasolina	1.6	2012	2015
WS212	SKODA	Roomster	Gasolina	1.6	2006	2015
WS212	SKODA	Roomster	GLP (con o sin gasolina)	1.6	2006	2010
WS212	SKODA	Roomster Scout	Gasolina	1.6	2006	2015
WS212	SKODA	Yeti	Gasolina	1.4	2010	2015
WS212	VW	Beetle	Gasolina	1.4	2011	2016
WS212	VW	Beetle	Gasolina	1.4	2011	2016
WS212	VW	CC	Gasolina	1.4	2011	2016
WS212	VW	CC	Biocarburante (etanol) o metanol	1.4	2011	2016
WS212	VW	Eos	Gasolina	1.4	2007	2015
WS212	VW	Eos	Gasolina	1.4	2008	2015
WS212	VW	Eos	Gasolina	1.6	2006	2008

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS212	VW	Golf	Gasolina	1.4	2005	2008
WS212	VW	Golf	Gasolina	1.4	2006	2008
WS212	VW	Golf	Gasolina	1.4	2007	2008
WS212	VW	Golf	Gasolina	1.4	2008	2012
WS212	VW	Golf	Gasolina	1.4	2008	2012
WS212	VW	Golf	Gasolina	1.4	2008	2012
WS212	VW	Golf	Gasolina	1.4	2008	2012
WS212	VW	Golf	Gasolina	1.6	2003	2008
WS212	VW	Golf Cabrio	Gasolina	1.4	2011	2016
WS212	VW	Golf Cabrio	Gasolina	1.4	2011	2016
WS212	VW	Golf Estate/Variant	Gasolina	1.4	2007	2008
WS212	VW	Golf Estate/Variant	Gasolina	1.4	2007	2008
WS212	VW	Golf Estate/Variant	Gasolina	1.4	2007	2009
WS212	VW	Golf Estate/Variant	Gasolina	1.4	2008	2009
WS212	VW	Golf Estate/Variant	Gasolina	1.4	2009	2013
WS212	VW	Golf Estate/Variant	Gasolina	1.4	2009	2013
WS212	VW	Golf Plus	Gasolina	1.4	2006	2008
WS212	VW	Golf Plus	Gasolina	1.4	2006	2008
WS212	VW	Golf Plus	Gasolina	1.4	2007	2014
WS212	VW	Golf Plus	Gasolina	1.4	2008	2014
WS212	VW	Golf Plus	Gasolina	1.4	2009	2012
WS212	VW	Golf Plus	Gasolina	1.4	2009	2014
WS212	VW	Golf Plus	Gasolina	1.6	2004	2008
WS212	VW	Golf Van (Variant)	Gasolina	1.4	2009	2012
WS212	VW	Golf Van (Variant)	Gasolina	1.4	2009	2014
WS212	VW	Jetta	Gasolina	1.4	2006	2008
WS212	VW	Jetta	Gasolina	1.4	2006	2008
WS212	VW	Jetta	Gasolina	1.4	2007	2010
WS212	VW	Jetta	Gasolina	1.4	2008	2010
WS212	VW	Jetta	Gasolina	1.4	2011	
WS212	VW	Jetta	Gasolina	1.4	2011	
WS212	VW	Jetta	Gasolina	1.6	2005	2008
WS212	VW	Passat	Gasolina	1.4	2007	2010
WS212	VW	Passat	Gasolina	1.4	2010	2014
WS212	VW	Passat	Gasolina	1.4	2012	2014
WS212	VW	Passat	Gasolina	1.6	2005	2008
WS212	VW	Passat	GLP (con o sin gasolina)	1.4	2009	2010
WS212	VW	Passat	GLP (con o sin gasolina)	1.4	2010	2014
WS212	VW	Passat	Biocarburiante (etanol) o metanol	1.4	2010	2014
WS212	VW	Passat CC	Biocarburiante (etanol) o metanol	1.4	2011	2011
WS212	VW	Passat Estate/Variant	Gasolina	1.4	2007	2010
WS212	VW	Passat Estate/Variant	Gasolina	1.4	2010	2014
WS212	VW	Passat Estate/Variant	Gasolina	1.4	2010	2014
WS212	VW	Passat Estate/Variant	Gasolina	1.4	2012	2014
WS212	VW	Passat Estate/Variant	Gasolina	1.6	2005	2008
WS212	VW	Passat Estate/Variant	GLP (con o sin gasolina)	1.4	2009	2010
WS212	VW	Passat Estate/Variant	GLP (con o sin gasolina)	1.4	2010	2014
WS212	VW	Passat Estate/Variant	Biocarburiante (etanol) o metanol	1.4	2010	2014
WS212	VW	Polo	Gasolina	1.4	2010	2014
WS212	VW	Polo	Gasolina	1.6	2006	2009
WS212	VW	Polo Classic	Gasolina	1.6	2007	2010
WS212	VW	Scirocco	Gasolina	1.4	2008	2014
WS212	VW	Scirocco	Gasolina	1.4	2008	2017
WS212	VW	Scirocco	Gasolina	1.4	2008	2014
WS212	VW	Scirocco	Gasolina	1.4	2008	2017
WS212	VW	Sharan	Gasolina	1.4	2010	2015
WS212	VW	Sharan	Gasolina	1.4	2010	2015
WS212	VW	Tiguan	Gasolina	1.4	2007	2018
WS212	VW	Tiguan	Gasolina	1.4	2008	2010
WS212	VW	Tiguan	Gasolina	1.4	2008	2018

WS212

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



WS212

WS215

VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS212	VW	Tiguan	Gasolina	1.4	2010	2011
WS212	VW	Tiguan	Gasolina	1.4	2010	2018
WS212	VW	Tiguan	Gasolina	1.4	2011	2018
WS212	VW	Tiguan	Gasolina	1.4	2011	2018
WS212	VW	Tiguan	Gasolina	1.4	2012	2018
WS212	VW	Tiguan	Gasolina	1.4	2012	2018
WS212	VW	Touran	Gasolina	1.4	2006	2010
WS212	VW	Touran	Gasolina	1.4	2006	2010
WS212	VW	Touran	Gasolina	1.4	2010	2015
WS212	VW	Touran	Gasolina	1.4	2010	2015
WS212	VW	Touran	Gasolina	1.4	2010	2015
WS212	VW	Touran	Gasolina	1.4	2010	2015
WS212	VW	Touran	Gasolina	1.6	2003	2006
WS212	VW	Touran	Gasolina	1.6	2003	2007
WS212	VW	Touran	GLP (con o sin gasolina)	1.4	2009	2010
WS212	VW	Touran	GLP (con o sin gasolina)	1.4	2010	2015
WS212	VW	Touran	GLP (con o sin gasolina)	1.4	2010	2015
WS215						
WS215	BMW	320i	Gasolina	2.0	1998	2000
WS215	BMW	320i	Gasolina	2.2	2000	2005
WS215	BMW	320i	Gasolina	2.2	2000	2005
WS215	BMW	320i Cabrio	Gasolina	2.2	2000	2007
WS215	BMW	320i Cabrio	Gasolina	2.2	2000	2007
WS215	BMW	320i Coupé	Gasolina	2.0	1999	2000
WS215	BMW	320i Coupé	Gasolina	2.2	2000	2006
WS215	BMW	320i Coupé	Gasolina	2.2	2001	2003
WS215	BMW	320i Touring	Gasolina	2.0	1999	2000
WS215	BMW	320i Touring	Gasolina	2.2	2000	2005
WS215	BMW	320i Touring	Gasolina	2.2	2000	2005
WS215	BMW	323i	Gasolina	2.5	1998	2000
WS215	BMW	323i	Gasolina	2.5	1998	2000
WS215	BMW	323i Cabrio	Gasolina	2.5	1998	2000
WS215	BMW	323i Cabrio	Gasolina	2.5	2000	2000
WS215	BMW	323i Coupé	Gasolina	2.5	1999	2000
WS215	BMW	323i Coupé	Gasolina	2.5	1999	2000
WS215	BMW	323i Touring	Gasolina	2.5	1999	2000
WS215	BMW	325i	Gasolina	2.5	2000	2005
WS215	BMW	325i	Gasolina	2.5	2000	2005
WS215	BMW	325i	Gasolina	2.5	2001	2005
WS215	BMW	325i Cabrio	Gasolina	2.5	2000	2006
WS215	BMW	325i Compact	Gasolina	2.5	2001	2004
WS215	BMW	325i Coupé	Gasolina	2.5	2000	2006
WS215	BMW	325i Touring	Gasolina	2.5	2000	2005
WS215	BMW	325i Touring	Gasolina	2.5	2000	2005
WS215	BMW	328i	Gasolina	2.8	1997	2000
WS215	BMW	328i Coupé	Gasolina	2.8	1998	2000
WS215	BMW	328i Touring	Gasolina	2.8	1999	2000
WS215	BMW	330i	Gasolina	3.0	2000	2005
WS215	BMW	330i	Gasolina	3.0	2000	2005
WS215	BMW	330i	Gasolina	3.0	2001	2005
WS215	BMW	330i Cabrio	Gasolina	3.0	2000	2006
WS215	BMW	330i Coupé	Gasolina	3.0	2000	2006
WS215	BMW	330i Touring	Gasolina	3.0	2000	2005
WS215	BMW	330i Touring	Gasolina	3.0	2000	2005
WS215	BMW	520i	Gasolina	2.2	2000	2003
WS215	BMW	520i	Gasolina	2.2	2000	2003
WS215	BMW	520i	Gasolina	2.2	2003	2005
WS215	BMW	520i Touring	Gasolina	2.2	2000	2003
WS215	BMW	520i Touring	Gasolina	2.2	2000	2003
WS215	BMW	525i	Gasolina	2.5	2000	2003

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS215	BMW	525i	Gasolina	2.5	2003	2005
WS215	BMW	525i Touring	Gasolina	2.5	2000	2004
WS215	BMW	525i Touring	Gasolina	2.5	2004	2005
WS215	BMW	530i	Gasolina	3.0	2000	2003
WS215	BMW	530i	Gasolina	3.0	2003	2005
WS215	BMW	530i Touring	Gasolina	3.0	2000	2003
WS215	BMW	730i	Gasolina	3.0	2003	2005
WS215	BMW	730i	Gasolina	3.0	2003	2005
WS215	BMW	X3	Gasolina	2.5	2004	2006
WS215	BMW	X3	Gasolina	3.0	2003	2006
WS215	BMW	X5	Gasolina	3.0	2000	2006
WS215	BMW	Z3 Cabrio	Gasolina	2.0	1998	2000
WS215	BMW	Z3 Cabrio	Gasolina	2.2	2000	2003
WS215	BMW	Z3 Cabrio	Gasolina	2.2	2000	2002
WS215	BMW	Z3 Cabrio	Gasolina	2.8	1996	2000
WS215	BMW	Z3 Cabrio	Gasolina	3.0	2000	2002
WS215	BMW	Z3 Coupé	Gasolina	3.0	2000	2002
WS215	BMW	Z4 Cabrio	Gasolina	2.2	2003	2005
WS215	BMW	Z4 Cabrio	Gasolina	2.5	2002	2005
WS215	BMW	Z4 Cabrio	Gasolina	3.0	2002	2005
WS215	BMW	Z4 Coupé	Gasolina	2.5	2006	2008
WS224						
WS224	HYUNDAI	Elantra	Gasolina	1.6	2006	2010
WS224	HYUNDAI	Elantra	Gasolina	1.6	2006	2011
WS224	HYUNDAI	i20	Gasolina	1.4	2008	2014
WS224	HYUNDAI	i20	Gasolina	1.6	2008	2014
WS224	HYUNDAI	i20	Gasolina	1.6	2008	2014
WS224	HYUNDAI	i30	Gasolina	1.4	2007	2011
WS224	HYUNDAI	i30	Gasolina	1.4	2007	2011
WS224	HYUNDAI	i30	Gasolina	1.6	2007	2012
WS224	HYUNDAI	i30	Gasolina	1.6	2007	2011
WS224	HYUNDAI	i30	Gasolina	1.6	2008	2011
WS224	HYUNDAI	i30 CW	Gasolina	1.4	2007	2012
WS224	HYUNDAI	i30 CW	Gasolina	1.4	2009	2012
WS224	HYUNDAI	i30 CW	Gasolina	1.6	2008	2012
WS224	HYUNDAI	i30 CW	Gasolina	1.6	2008	2012
WS224	HYUNDAI	i30 CW	Gasolina	1.6	2008	2012
WS224	KIA	Cerato	Gasolina	1.6	2009	
WS227						
WS227	MERCEDES-BENZ	C180	Gasolina	1.8	2007	2014
WS227	MERCEDES-BENZ	C180	Gasolina	1.8	2007	2014
WS227	MERCEDES-BENZ	C180	Gasolina	1.8	2011	2014
WS227	MERCEDES-BENZ	C200	Gasolina	1.8	2007	2014
WS227	MERCEDES-BENZ	C200	Gasolina	1.8	2007	2014
WS227	MERCEDES-BENZ	C200	Gasolina	1.8	2009	2014
WS227	MERCEDES-BENZ	C200	Gasolina	1.8	2011	2014
WS227	MERCEDES-BENZ	C250	Gasolina	1.8	2009	2014
WS227	MERCEDES-BENZ	C250	Gasolina	1.8	2009	2014
WS227	MERCEDES-BENZ	C250	Gasolina	1.8	2011	2014
WS227	MERCEDES-BENZ	E200	Gasolina	1.8	2009	2015
WS227	MERCEDES-BENZ	E200	Gasolina	1.8	2009	2016
WS227	MERCEDES-BENZ	E200	Gasolina	1.8	2009	2016
WS227	MERCEDES-BENZ	E200	Gasolina	1.8	2010	2016
WS227	MERCEDES-BENZ	E250	Gasolina	1.8	2009	2013
WS227	MERCEDES-BENZ	E250	Gasolina	1.8	2009	2015
WS227	MERCEDES-BENZ	E250	Gasolina	1.8	2009	2016
WS227	MERCEDES-BENZ	E250	Gasolina	1.8	2010	2016
WS227	MERCEDES-BENZ	SLK200	Gasolina	1.8	2011	
WS227	MERCEDES-BENZ	SLK250	Gasolina	1.8	2011	

WS215

WS224

WS227

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS229

VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
VVS229						
WS229	ALPINA	B5	Gasolina	4.4	2020	
WS229	ALPINA	B5	Gasolina	4.4	2020	
WS229	BMW	116i	Gasolina	1.5	2015	
WS229	BMW	116i	Gasolina	1.5	2015	2019
WS229	BMW	118i	Gasolina	1.5	2015	
WS229	BMW	118i	Gasolina	1.5	2015	2019
WS229	BMW	118i	Gasolina	1.5	2015	2019
WS229	BMW	118i	Gasolina	1.5	2019	
WS229	BMW	120i	Gasolina	2.0	2016	
WS229	BMW	120i	Gasolina	2.0	2016	2019
WS229	BMW	120i	Gasolina	2.0	2016	2019
WS229	BMW	125i	Gasolina	2.0	2015	
WS229	BMW	125i	Gasolina	2.0	2016	2019
WS229	BMW	M135i xDrive	Gasolina	2.0	2019	
WS229	BMW	M140i	Gasolina	3.0	2015	
WS229	BMW	M140i	Gasolina	3.0	2016	2019
WS229	BMW	M140i	Gasolina	3.0	2016	2019
WS229	BMW	M140i xDrive	Gasolina	3.0	2015	
WS229	BMW	M140i xDrive	Gasolina	3.0	2016	2019
WS229	BMW	216i Active Tourer	Gasolina	1.5	2015	2018
WS229	BMW	216i Active Tourer	Gasolina	1.5	2018	
WS229	BMW	216i Gran Tourer	Gasolina	1.5	2015	2018
WS229	BMW	216i Gran Tourer	Gasolina	1.5	2018	
WS229	BMW	218i Active Tourer	Gasolina	1.5	2014	
WS229	BMW	218i Active Tourer	Gasolina	1.5	2018	
WS229	BMW	218i Active Tourer	Gasolina	1.5	2018	
WS229	BMW	218i Cabrio	Gasolina	1.5	2015	
WS229	BMW	218i Coupé	Gasolina	1.5	2015	
WS229	BMW	218i Gran Coupé	Gasolina	1.5	2019	
WS229	BMW	218i Gran Tourer	Gasolina	1.5	2015	
WS229	BMW	218i Gran Tourer	Gasolina	1.5	2017	
WS229	BMW	218i Gran Tourer	Gasolina	1.5	2017	
WS229	BMW	220i Active Tourer	Gasolina	2.0	2014	
WS229	BMW	220i Active Tourer	Gasolina	2.0	2014	
WS229	BMW	220i Cabrio	Gasolina	2.0	2015	
WS229	BMW	220i Coupé	Gasolina	2.0	2015	
WS229	BMW	220i Gran Tourer	Gasolina	2.0	2015	
WS229	BMW	220i Gran Tourer	Gasolina	2.0	2015	
WS229	BMW	225e xDrive Active Tourer	Híbrido enchufable/gasolina	1.5	2016	
WS229	BMW	225i Active Tourer	Gasolina	2.0	2014	
WS229	BMW	225i xDrive Active Tourer	Gasolina	2.0	2014	
WS229	BMW	230i Cabrio	Gasolina	2.0	2016	
WS229	BMW	230i Coupé	Gasolina	2.0	2016	
WS229	BMW	M235i xDrive Gran Coupé	Gasolina	2.0	2019	
WS229	BMW	M240i Cabrio	Gasolina	3.0	2015	
WS229	BMW	M240i Coupé	Gasolina	3.0	2015	
WS229	BMW	M240i xDrive Cabrio	Gasolina	3.0	2015	
WS229	BMW	M240i xDrive Coupé	Gasolina	3.0	2015	
WS229	BMW	318i	Gasolina	1.5	2015	2018
WS229	BMW	318i Touring	Gasolina	1.5	2015	2019
WS229	BMW	320i	Gasolina	1.6	2019	
WS229	BMW	320i	Gasolina	2.0	2015	2018
WS229	BMW	320i	Gasolina	2.0	2019	
WS229	BMW	320i Gran Turismo	Gasolina	2.0	2016	
WS229	BMW	320i Gran Turismo	Gasolina	2.0	2016	
WS229	BMW	320i Touring	Gasolina	2.0	2015	2019
WS229	BMW	320i Touring	Gasolina	2.0	2019	
WS229	BMW	320i Touring	Gasolina	2.0	2019	
WS229	BMW	320i xDrive	Gasolina	2.0	2015	2018

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS229	BMW	320i xDrive	Gasolina	2.0	2019	
WS229	BMW	320i xDrive Gran Turismo	Gasolina	2.0	2016	
WS229	BMW	320i xDrive Gran Turismo	Gasolina	2.0	2016	
WS229	BMW	320i xDrive Touring	Gasolina	2.0	2015	2019
WS229	BMW	330e	Híbrido enchufable/gasolina	2.0	2015	2018
WS229	BMW	330e	Híbrido enchufable/gasolina	2.0	2019	
WS229	BMW	330e Touring	Híbrido enchufable/gasolina	2.0	2020	
WS229	BMW	330e Touring	Híbrido enchufable/gasolina	2.0	2020	
WS229	BMW	330e xDrive	Híbrido enchufable/gasolina	2.0	2020	
WS229	BMW	330e xDrive Touring	Híbrido enchufable/gasolina	2.0	2020	
WS229	BMW	330i	Gasolina	2.0	2015	2018
WS229	BMW	330i	Gasolina	2.0	2018	
WS229	BMW	330i Gran Turismo	Gasolina	2.0	2016	
WS229	BMW	330i Touring	Gasolina	2.0	2015	2019
WS229	BMW	330i Touring	Gasolina	2.0	2015	2019
WS229	BMW	330i Touring	Gasolina	2.0	2019	
WS229	BMW	330i Touring	Gasolina	2.0	2019	
WS229	BMW	330i xDrive	Gasolina	2.0	2015	2018
WS229	BMW	330i xDrive	Gasolina	2.0	2018	
WS229	BMW	330i xDrive Gran Turismo	Gasolina	2.0	2016	
WS229	BMW	330i xDrive Gran Turismo	Gasolina	2.0	2016	
WS229	BMW	330i xDrive Touring	Gasolina	2.0	2015	2019
WS229	BMW	330i xDrive Touring	Gasolina	2.0	2019	
WS229	BMW	340i	Gasolina	3.0	2015	2018
WS229	BMW	340i	Gasolina	3.0	2015	2018
WS229	BMW	340i Gran Turismo	Gasolina	3.0	2016	
WS229	BMW	340i Gran Turismo	Gasolina	3.0	2016	
WS229	BMW	340i Touring	Gasolina	3.0	2015	2019
WS229	BMW	340i Touring	Gasolina	3.0	2015	2019
WS229	BMW	340i Touring	Gasolina	3.0	2015	2019
WS229	BMW	340i xDrive	Gasolina	3.0	2015	2018
WS229	BMW	340i xDrive	Gasolina	3.0	2015	2018
WS229	BMW	340i xDrive Gran Turismo	Gasolina	3.0	2016	
WS229	BMW	340i xDrive Gran Turismo	Gasolina	3.0	2016	
WS229	BMW	340i xDrive Touring	Gasolina	3.0	2015	2019
WS229	BMW	340i xDrive Touring	Gasolina	3.0	2015	2019
WS229	BMW	M340i	Gasolina	3.0	2019	
WS229	BMW	M340i xDrive	Gasolina	3.0	2019	
WS229	BMW	M340i xDrive	Gasolina	3.0	2019	
WS229	BMW	418i Coupé	Gasolina	1.5	2016	
WS229	BMW	418i Gran Coupé	Gasolina	1.5	2015	
WS229	BMW	420i Cabrio	Gasolina	2.0	2016	
WS229	BMW	420i Cabrio	Gasolina	2.0	2016	
WS229	BMW	420i Coupé	Gasolina	2.0	2016	
WS229	BMW	420i Coupé	Gasolina	2.0	2016	
WS229	BMW	420i Gran Coupé	Gasolina	2.0	2016	
WS229	BMW	420i Gran Coupé	Gasolina	2.0	2016	
WS229	BMW	420i xDrive Coupé	Gasolina	2.0	2016	
WS229	BMW	420i xDrive Coupé	Gasolina	2.0	2016	
WS229	BMW	420i xDrive Gran Coupé	Gasolina	2.0	2016	
WS229	BMW	420i xDrive Gran Coupé	Gasolina	2.0	2016	
WS229	BMW	430i Cabrio	Gasolina	2.0	2016	
WS229	BMW	430i Coupé	Gasolina	2.0	2016	
WS229	BMW	430i Coupé	Gasolina	2.0	2016	
WS229	BMW	430i Gran Coupé	Gasolina	2.0	2016	
WS229	BMW	430i xDrive Cabrio	Gasolina	2.0	2016	
WS229	BMW	430i xDrive Coupé	Gasolina	2.0	2016	
WS229	BMW	430i xDrive Coupé	Gasolina	2.0	2016	
WS229	BMW	430i xDrive Gran Coupé	Gasolina	2.0	2016	
WS229	BMW	430i xDrive Gran Coupé	Gasolina	2.0	2016	

WS229

VVS POR REFERENCIA

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WS229

VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS229	BMW	440i Cabrio	Gasolina	3.0	2016	
WS229	BMW	440i Cabrio	Gasolina	3.0	2016	
WS229	BMW	440i Coupé	Gasolina	3.0	2016	
WS229	BMW	440i Coupé	Gasolina	3.0	2016	
WS229	BMW	440i Gran Coupé	Gasolina	3.0	2016	
WS229	BMW	440i Gran Coupé	Gasolina	3.0	2016	
WS229	BMW	440i xDrive Cabrio	Gasolina	3.0	2016	
WS229	BMW	440i xDrive Cabrio	Gasolina	3.0	2016	
WS229	BMW	440i xDrive Coupé	Gasolina	3.0	2016	
WS229	BMW	440i xDrive Coupé	Gasolina	3.0	2016	
WS229	BMW	440i xDrive Gran Coupé	Gasolina	3.0	2016	
WS229	BMW	440i xDrive Gran Coupé	Gasolina	3.0	2016	
WS229	BMW	520i	Gasolina	1.6	2017	
WS229	BMW	520i	Gasolina	2.0	2017	2020
WS229	BMW	520i	Gasolina	2.0	2017	2020
WS229	BMW	520i	Gasolina	2.0	2017	2020
WS229	BMW	520i Touring	Gasolina	2.0	2017	
WS229	BMW	520i Touring	Gasolina	2.0	2017	2020
WS229	BMW	520i Touring	Gasolina	2.0	2017	2020
WS229	BMW	520i Touring	Gasolina	2.0	2017	2020
WS229	BMW	523i	Gasolina	2.0	2017	
WS229	BMW	530e	Híbrido enchufable/gasolina	2.0	2017	
WS229	BMW	530e	Híbrido enchufable/gasolina	2.0	2019	
WS229	BMW	530e Touring	Híbrido enchufable/gasolina	2.0	2020	
WS229	BMW	530e Touring	Híbrido enchufable/gasolina	2.0	2020	
WS229	BMW	530e xDrive	Híbrido enchufable/gasolina	2.0	2017	
WS229	BMW	530e xDrive	Híbrido enchufable/gasolina	2.0	2019	
WS229	BMW	530e xDrive Touring	Híbrido enchufable/gasolina	2.0	2020	
WS229	BMW	530e xDrive Touring	Híbrido enchufable/gasolina	2.0	2020	
WS229	BMW	530i	Gasolina	2.0	2016	2020
WS229	BMW	530i Touring	Gasolina	2.0	2017	
WS229	BMW	530i Touring	Gasolina	2.0	2017	2020
WS229	BMW	530i xDrive	Gasolina	2.0	2016	
WS229	BMW	530i xDrive	Gasolina	2.0	2016	2020
WS229	BMW	530i xDrive Touring	Gasolina	2.0	2017	
WS229	BMW	530i xDrive Touring	Gasolina	2.0	2017	2020
WS229	BMW	540i	Gasolina	3.0	2016	2020
WS229	BMW	540i	Gasolina	3.0	2016	2020
WS229	BMW	540i xDrive	Gasolina	3.0	2016	2020
WS229	BMW	540i xDrive	Gasolina	3.0	2016	2020
WS229	BMW	540i xDrive Touring	Gasolina	3.0	2017	
WS229	BMW	540i xDrive Touring	Gasolina	3.0	2017	2020
WS229	BMW	540i xDrive Touring	Gasolina	3.0	2017	2020
WS229	BMW	540i xDrive Touring	Gasolina	3.0	2017	2020
WS229	BMW	M5	Gasolina	4.4	2017	
WS229	BMW	M5	Gasolina	4.4	2018	
WS229	BMW	M550i xDrive	Gasolina	4.4	2017	2019
WS229	BMW	M550i xDrive	Gasolina	4.4	2019	
WS229	BMW	630i Gran Turismo	Gasolina	2.0	2017	2020
WS229	BMW	630i Gran Turismo	Gasolina	2.0	2017	2020
WS229	BMW	630i xDrive Gran Turismo	Gasolina	3.0	2019	
WS229	BMW	640i Gran Turismo	Gasolina	3.0	2017	2020
WS229	BMW	640i Gran Turismo	Gasolina	3.0	2017	2020
WS229	BMW	640i xDrive Gran Turismo	Gasolina	3.0	2017	2020
WS229	BMW	640i xDrive Gran Turismo	Gasolina	3.0	2017	2020
WS229	BMW	730i	Gasolina	2.0	2015	
WS229	BMW	730i	Gasolina	2.0	2015	2019
WS229	BMW	730i	Gasolina	2.0	2015	2019
WS229	BMW	730i	Gasolina	2.0	2019	
WS229	BMW	730i	Gasolina	2.0	2019	
WS229	BMW	740e	Híbrido enchufable/gasolina	2.0	2016	2019

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS229	BMW	740e	Híbrido enchufable/gasolina	2.0	2016	2019
WS229	BMW	740e xDrive	Híbrido enchufable/gasolina	2.0	2016	2019
WS229	BMW	740i	Gasolina	3.0	2015	2019
WS229	BMW	740i	Gasolina	3.0	2015	2019
WS229	BMW	740i	Gasolina	3.0	2019	
WS229	BMW	740i	Gasolina	3.0	2019	
WS229	BMW	740i xDrive	Gasolina	3.0	2016	
WS229	BMW	740i xDrive	Gasolina	3.0	2019	
WS229	BMW	745e	Híbrido enchufable/gasolina	3.0	2019	
WS229	BMW	745e	Híbrido enchufable/gasolina	3.0	2019	
WS229	BMW	745e xDrive	Híbrido enchufable/gasolina	3.0	2019	
WS229	BMW	750i	Gasolina	4.4	2015	2019
WS229	BMW	750i	Gasolina	4.4	2015	2019
WS229	BMW	750i xDrive	Gasolina	4.4	2015	2019
WS229	BMW	750i xDrive	Gasolina	4.4	2015	2019
WS229	BMW	750i xDrive	Gasolina	4.4	2019	
WS229	BMW	750i xDrive	Gasolina	4.4	2019	
WS229	BMW	840i Cabrio	Gasolina	3.0	2019	2020
WS229	BMW	840i Coupé	Gasolina	3.0	2019	
WS229	BMW	840i Gran Coupé	Gasolina	3.0	2019	2020
WS229	BMW	840i xDrive Cabrio	Gasolina	3.0	2019	2020
WS229	BMW	840i xDrive Coupé	Gasolina	3.0	2019	2020
WS229	BMW	840i xDrive Gran Coupé	Gasolina	3.0	2019	
WS229	BMW	M8 Cabrio	Gasolina	4.4	2019	
WS229	BMW	M8 Cabrio	Gasolina	4.4	2019	
WS229	BMW	M8 Coupé	Gasolina	4.4	2019	
WS229	BMW	M8 Coupé	Gasolina	4.4	2019	
WS229	BMW	M8 Gran Coupé	Gasolina	4.4	2019	
WS229	BMW	M8 Gran Coupé	Gasolina	4.4	2019	
WS229	BMW	M850i xDrive Cabrio	Gasolina	4.4	2019	
WS229	BMW	M850i xDrive Coupé	Gasolina	4.4	2018	
WS229	BMW	M850i xDrive Gran Coupé	Gasolina	4.4	2019	
WS229	BMW	i8	Híbrido enchufable/gasolina	1.5	2014	2020
WS229	BMW	i8	Híbrido enchufable/gasolina	1.5	2018	2020
WS229	BMW	X1 sDrive 18i	Gasolina	1.5	2015	2018
WS229	BMW	X1 sDrive 18i	Gasolina	1.5	2017	
WS229	BMW	X1 sDrive 18i	Gasolina	1.5	2017	
WS229	BMW	X1 sDrive 20i	Gasolina	2.0	2015	
WS229	BMW	X1 sDrive 20i	Gasolina	2.0	2017	
WS229	BMW	X1 xDrive 20i	Gasolina	2.0	2015	
WS229	BMW	X1 xDrive 25e	Híbrido enchufable/gasolina	1.5	2020	
WS229	BMW	X1 xDrive 25i	Gasolina	2.0	2015	
WS229	BMW	X2 sDrive 18i	Gasolina	1.5	2018	
WS229	BMW	X2 sDrive 18i	Gasolina	1.5	2018	
WS229	BMW	X2 sDrive 20i	Gasolina	2.0	2017	
WS229	BMW	X2 sDrive 20i	Gasolina	2.0	2020	
WS229	BMW	X2 xDrive 20i	Gasolina	2.0	2018	2020
WS229	BMW	X2 xDrive 20i	Gasolina	2.0	2020	
WS229	BMW	X2 xDrive M35i	Gasolina	2.0	2018	
WS229	BMW	X3 M	Gasolina	3.0	2019	
WS229	BMW	X3 M	Gasolina	3.0	2019	
WS229	BMW	X3 sDrive 20i	Gasolina	1.6	2017	
WS229	BMW	X3 sDrive 20i	Gasolina	2.0	2017	
WS229	BMW	X3 xDrive 20i	Gasolina	2.0	2017	
WS229	BMW	X3 xDrive 20i	Gasolina	2.0	2017	
WS229	BMW	X3 xDrive 30e	Híbrido enchufable/gasolina	2.0	2019	
WS229	BMW	X3 xDrive 30e	Híbrido enchufable/gasolina	2.0	2019	
WS229	BMW	X3 xDrive 30i	Gasolina	2.0	2017	
WS229	BMW	X3 xDrive 30i	Gasolina	2.0	2017	
WS229	BMW	X3 xDrive 30i	Gasolina	2.0	2017	

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VVS229

VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
VVS229	BMW	X3 xDrive M40i	Gasolina	3.0	2017	2019
VVS229	BMW	X3 xDrive M40i	Gasolina	3.0	2017	2019
VVS229	BMW	X3 xDrive M40i	Gasolina	3.0	2018	2019
VVS229	BMW	X3 xDrive M40i	Gasolina	3.0	2019	
VVS229	BMW	X3 xDrive M40i	Gasolina	3.0	2019	
VVS229	BMW	X4 M	Gasolina	3.0	2019	
VVS229	BMW	X4 M	Gasolina	3.0	2019	
VVS229	BMW	X4 xDrive 20i	Gasolina	2.0	2018	
VVS229	BMW	X4 xDrive 30i	Gasolina	2.0	2018	
VVS229	BMW	X4 xDrive 30i	Gasolina	2.0	2018	
VVS229	BMW	X4 xDrive M40i	Gasolina	3.0	2018	2019
VVS229	BMW	X4 xDrive M40i	Gasolina	3.0	2018	2019
VVS229	BMW	X5 M50i xDrive	Gasolina	4.4	2019	
VVS229	BMW	X5 xDrive 40i	Gasolina	3.0	2018	
VVS229	BMW	X5 xDrive 40i	Gasolina	3.0	2019	
VVS229	BMW	X5 xDrive 45e	Híbrido enchufable/gasolina	3.0	2019	
VVS229	BMW	X5 xDrive 45e	Híbrido enchufable/gasolina	3.0	2019	
VVS229	BMW	X5 xDrive 50i	Gasolina	4.4	2018	
VVS229	BMW	X6 xDrive 40i	Gasolina	3.0	2019	
VVS229	BMW	X6 xDrive M50i	Gasolina	4.4	2019	
VVS229	BMW	X7 xDrive 40i	Gasolina	3.0	2019	
VVS229	BMW	X7 xDrive M50i	Gasolina	4.4	2019	
VVS229	BMW	Z4 M40i Cabrio	Gasolina	3.0	2018	
VVS229	BMW	Z4 sDrive 20i Cabrio	Gasolina	2.0	2018	
VVS229	BMW	Z4 sDrive 20i Cabrio	Gasolina	2.0	2018	
VVS229	BMW	Z4 sDrive 25i Cabrio	Gasolina	2.0	2019	
VVS229	BMW	Z4 sDrive 30i Cabrio	Gasolina	2.0	2018	
VVS229	MINI	Mini Clubman	Gasolina	1.5	2015	
VVS229	MINI	Mini Clubman	Gasolina	1.5	2015	
VVS229	MINI	Mini Clubman	Gasolina	2.0	2014	
VVS229	MINI	Mini Clubman	Gasolina	2.0	2014	
VVS229	MINI	Mini Clubman	Gasolina	2.0	2014	
VVS229	MINI	Mini Clubman	Gasolina	2.0	2015	
VVS229	MINI	Mini Clubman	Gasolina	2.0	2015	2019
VVS229	MINI	Mini Clubman	Gasolina	2.0	2016	
VVS229	MINI	Mini Cooper	Gasolina	1.5	2013	
VVS229	MINI	Mini Cooper	Gasolina	1.5	2015	
VVS229	MINI	Mini Cooper	Gasolina	2.0	2013	
VVS229	MINI	Mini Cooper	Gasolina	2.0	2013	
VVS229	MINI	Mini Cooper	Gasolina	2.0	2014	
VVS229	MINI	Mini Cooper	Gasolina	2.0	2014	
VVS229	MINI	Mini Cooper	Gasolina	2.0	2015	
VVS229	MINI	Mini Cooper	Gasolina	2.0	2015	
VVS229	MINI	Mini Cooper	Gasolina	2.0	2015	
VVS229	MINI	Mini Cooper	Gasolina	2.0	2016	
VVS229	MINI	Mini Countryman	Gasolina	1.5	2016	
VVS229	MINI	Mini Countryman	Gasolina	1.5	2016	
VVS229	MINI	Mini Countryman	Gasolina	1.5	2017	
VVS229	MINI	Mini Countryman	Gasolina	2.0	2016	
VVS229	MINI	Mini Countryman	Gasolina	2.0	2016	
VVS229	MINI	Mini Countryman	Gasolina	2.0	2016	
VVS229	MINI	Mini Countryman	Gasolina	2.0	2016	
VVS229	MINI	Mini Countryman	Gasolina	2.0	2017	2019
VVS229	MINI	Mini Countryman	Gasolina	2.0	2020	
VVS229	MINI	Mini Countryman	Gasolina	2.0	2020	
VVS229	MINI	Mini Countryman	Híbrido enchufable/gasolina	1.5	2017	
VVS229	MINI	Mini One	Gasolina	1.2	2014	2017
VVS229	MINI	Mini One	Gasolina	1.2	2014	2017
VVS229	MINI	Mini One	Gasolina	1.2	2016	2017

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS229	MINI	Mini One	Gasolina	1.5	2017	
WS229	MINI	Mini One	Gasolina	1.5	2017	
WS229	MINI	Mini One	Gasolina	1.5	2017	
WS236						
WS236	AUDI	A4	Gasolina	2.4	1997	2000
WS236	AUDI	A4	Gasolina	2.4	1997	2001
WS236	AUDI	A4	Gasolina	2.4	2001	2004
WS236	AUDI	A4	Gasolina	2.4	2001	2004
WS236	AUDI	A4	Gasolina	2.4	2001	2004
WS236	AUDI	A4	Gasolina	2.8	1996	2000
WS236	AUDI	A4	Gasolina	2.8	1996	2000
WS236	AUDI	A4 Cabrio	Gasolina	2.4	2002	2005
WS236	AUDI	A4 Cabrio	Gasolina	2.4	2003	2005
WS236	AUDI	A4 Quattro	Gasolina	2.8	1996	2001
WS236	AUDI	A4 Quattro	Gasolina	2.8	1996	2001
WS236	AUDI	A6	Gasolina	2.4	1997	2001
WS236	AUDI	A6	Gasolina	2.4	1997	2004
WS236	AUDI	A6	Gasolina	2.4	1997	2004
WS236	AUDI	A6	Gasolina	2.4	1997	2005
WS236	AUDI	A6	Gasolina	2.4	1998	2001
WS236	AUDI	A6	Gasolina	2.4	1998	2005
WS236	AUDI	A6	Gasolina	2.4	1998	2001
WS236	AUDI	A6	Gasolina	2.4	1998	2001
WS236	AUDI	A6	Gasolina	2.7	1999	2000
WS236	AUDI	A6	Gasolina	2.7	1999	2000
WS236	AUDI	A6	Gasolina	2.8	1995	1997
WS236	AUDI	A6	Gasolina	2.8	1995	1997
WS236	AUDI	A6	Gasolina	2.8	1997	2001
WS236	AUDI	A6	Gasolina	2.8	1997	2001
WS236	AUDI	A6	Gasolina	2.8	1997	2000
WS236	AUDI	A6	Gasolina	2.8	1997	2000
WS236	AUDI	A6	Gasolina	2.8	1999	2001
WS236	AUDI	A6	Gasolina	2.8	1999	2001
WS236	AUDI	A6 Quattro	Gasolina	2.4	1997	2001
WS236	AUDI	A6 Quattro	Gasolina	2.4	1997	2001
WS236	AUDI	A6 Quattro	Gasolina	2.4	1997	2001
WS236	AUDI	A6 Quattro	Gasolina	2.4	1997	2001
WS236	AUDI	A6 Quattro	Gasolina	2.4	1998	2001
WS236	AUDI	A6 Quattro	Gasolina	2.4	1998	2001
WS236	AUDI	A6 Quattro	Gasolina	2.7	1999	2001
WS236	AUDI	A6 Quattro	Gasolina	2.7	1999	2001
WS236	AUDI	A6 Quattro	Gasolina	2.7	2001	2005
WS236	AUDI	A6 Quattro	Gasolina	2.7	2001	2005
WS236	AUDI	A6 Quattro	Gasolina	2.8	1995	1997
WS236	AUDI	A6 Quattro	Gasolina	2.8	1995	1997
WS236	AUDI	A6 Quattro	Gasolina	2.8	1997	2001
WS236	AUDI	A6 Quattro	Gasolina	2.8	1997	2001
WS236	AUDI	A6 Quattro	Gasolina	2.8	1997	2001
WS236	AUDI	A6 Quattro	Gasolina	2.8	1998	2001
WS236	AUDI	A6 Quattro	Gasolina	2.8	1998	2001
WS236	AUDI	A8	Gasolina	2.8	1996	2002
WS236	AUDI	A8 Quattro	Gasolina	2.8	1995	2002
WS236	SKODA	Superb	Gasolina	2.8	2001	2008
WS236	SKODA	Superb	Gasolina	2.8	2002	2008
WS236	VW	Passat	Gasolina	2.8	1997	1999
WS236	VW	Passat	Gasolina	2.8	1997	2000
WS236	VW	Passat	Gasolina	2.8	1997	2000
WS236	VW	Passat	Gasolina	2.8	1999	2000
WS236	VW	Passat	Gasolina	2.8	2000	2005

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SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS236	VW	Passat	Gasolina	2.8	2000	2005
WS236	VW	Passat	Gasolina	2.8	2000	2005
WS236	VW	Passat	Gasolina	2.8	2000	2005
WS236	VW	Passat Estate/Variant	Gasolina	2.8	1997	1999
WS236	VW	Passat Estate/Variant	Gasolina	2.8	1997	2000
WS236	VW	Passat Estate/Variant	Gasolina	2.8	1999	2000
WS236	VW	Passat Estate/Variant	Gasolina	2.8	1999	2000
WS236	VW	Passat Estate/Variant	Gasolina	2.8	2000	2005
WS236	VW	Passat Estate/Variant	Gasolina	2.8	2000	2005
WS236	VW	Passat Estate/Variant	Gasolina	2.8	2000	2005
WS236	VW	Passat Estate/Variant	Gasolina	2.8	2000	2005
WS237						
WS237	JAGUAR	F-Pace	Gasolina	2.0	2016	
WS237	JAGUAR	F-Pace	Gasolina	2.0	2017	
WS237	JAGUAR	F-Pace	Gasolina	2.0	2017	
WS237	JAGUAR	F-Pace	Gasolina	2.0	2017	
WS237	JAGUAR	XE	Gasolina	2.0	2015	
WS237	JAGUAR	XE	Gasolina	2.0	2015	
WS237	JAGUAR	XE	Gasolina	2.0	2017	
WS237	JAGUAR	XE	Gasolina	2.0	2017	
WS237	JAGUAR	XE	Gasolina	2.0	2017	
WS237	JAGUAR	XE	Gasolina	2.0	2017	
WS237	JAGUAR	XF	Gasolina	2.0	2012	2015
WS237	JAGUAR	XF	Gasolina	2.0	2015	
WS237	JAGUAR	XF	Gasolina	2.0	2017	
WS237	JAGUAR	XF	Gasolina	2.0	2017	
WS237	JAGUAR	XF	Gasolina	2.0	2017	
WS237	JAGUAR	XF	Gasolina	2.0	2017	
WS237	JAGUAR	XF	Gasolina	2.0	2017	
WS237	JAGUAR	XF Sportbrake	Gasolina	2.0	2017	
WS237	JAGUAR	XF Sportbrake	Gasolina	2.0	2017	
WS237	JAGUAR	XF Sportbrake	Gasolina	2.0	2018	
WS237	JAGUAR	XJ	Gasolina	2.0	2012	
WS237	LAND ROVER	Discovery Sport	Gasolina	2.0	2014	
WS237	LAND ROVER	Discovery Sport	Gasolina	2.0	2017	
WS237	LAND ROVER	Discovery Sport	Gasolina	2.0	2017	
WS237	LAND ROVER	Discovery Sport	Gasolina	2.0	2017	
WS237	LAND ROVER	Discovery Sport	Gasolina	2.0	2017	
WS237	LAND ROVER	Discovery Sport	Gasolina	2.0	2017	
WS237	LAND ROVER	Discovery Sport	Gasolina	2.0	2019	
WS237	LAND ROVER	Discovery Sport	Gasolina	2.0	2020	
WS237	LAND ROVER	Discovery Sport	Biocarburante (etanol) o metanol	2.0	2018	
WS237	LAND ROVER	Range Rover Evoque	Gasolina	2.0	2011	2019
WS237	LAND ROVER	Range Rover Evoque	Gasolina	2.0	2011	2019
WS237	LAND ROVER	Range Rover Evoque	Gasolina	2.0	2013	2019
WS237	LAND ROVER	Range Rover Evoque	Gasolina	2.0	2015	2019
WS237	LAND ROVER	Range Rover Evoque	Gasolina	2.0	2017	2019
WS237	LAND ROVER	Range Rover Evoque	Gasolina	2.0	2017	2019
WS237	LAND ROVER	Range Rover Evoque	Gasolina	2.0	2017	2019
WS237	LAND ROVER	Freelander	Gasolina	2.0	2011	2014
WS237	LAND ROVER	LR2	Gasolina	2.0	2011	2014
WS237	LAND ROVER	Range Rover Sport	Gasolina	2.0	2017	
WS263						
WS263	AUDI	A1	Gasolina	1.8	2015	2018
WS263	AUDI	A1 Sportback	Gasolina	1.8	2015	2018
WS263	AUDI	A1 Sportback	Gasolina	2.0	2018	
WS263	AUDI	S1 Quattro	Gasolina	2.0	2014	2018
WS263	AUDI	S1 Sportback Quattro	Gasolina	2.0	2014	2018
WS263	AUDI	A3	Gasolina	1.8	2012	2016

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SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS263	AUDI	A3	Gasolina	1.8	2013	2016
WS263	AUDI	A3	Gasolina	1.8	2013	2016
WS263	AUDI	A3	Gasolina	2.0	2015	2016
WS263	AUDI	A3	Gasolina	2.0	2016	
WS263	AUDI	A3	Gasolina	2.0	2016	
WS263	AUDI	A3 Cabrio	Gasolina	1.8	2013	2016
WS263	AUDI	A3 Cabrio	Gasolina	1.8	2014	2016
WS263	AUDI	A3 Cabrio	Gasolina	2.0	2016	
WS263	AUDI	A3 Cabrio Quattro	Gasolina	1.8	2014	2016
WS263	AUDI	A3 Cabrio Quattro	Gasolina	2.0	2016	
WS263	AUDI	A3 Cabrio Quattro	Gasolina	2.0	2016	
WS263	AUDI	A3 Quattro	Gasolina	1.8	2012	2016
WS263	AUDI	A3 Quattro	Gasolina	1.8	2013	2016
WS263	AUDI	A3 Quattro	Gasolina	2.0	2016	
WS263	AUDI	A3 Quattro	Gasolina	2.0	2016	
WS263	AUDI	A3 Sportback	Gasolina	1.8	2012	2016
WS263	AUDI	A3 Sportback	Gasolina	2.0	2015	2016
WS263	AUDI	A3 Sportback	Gasolina	2.0	2016	
WS263	AUDI	A3 Sportback Quattro	Gasolina	1.8	2013	2016
WS263	AUDI	A3 Sportback Quattro	Gasolina	2.0	2016	
WS263	AUDI	RS3 Sportback Quattro	Gasolina	2.5	2015	2016
WS263	AUDI	S3 Cabrio Quattro	Gasolina	2.0	2014	
WS263	AUDI	S3 Cabrio Quattro	Gasolina	2.0	2014	2016
WS263	AUDI	S3 Cabrio Quattro	Gasolina	2.0	2016	
WS263	AUDI	S3 Cabrio Quattro	Gasolina	2.0	2016	
WS263	AUDI	S3 Quattro	Gasolina	2.0	2012	2014
WS263	AUDI	S3 Quattro	Gasolina	2.0	2012	2016
WS263	AUDI	S3 Quattro	Gasolina	2.0	2013	
WS263	AUDI	S3 Quattro	Gasolina	2.0	2013	2014
WS263	AUDI	S3 Quattro	Gasolina	2.0	2014	2016
WS263	AUDI	S3 Quattro	Gasolina	2.0	2014	2016
WS263	AUDI	S3 Quattro	Gasolina	2.0	2016	
WS263	AUDI	S3 Quattro	Gasolina	2.0	2016	
WS263	AUDI	S3 Quattro	Gasolina	2.0	2016	
WS263	AUDI	S3 Sportback Quattro	Gasolina	2.0	2012	2014
WS263	AUDI	S3 Sportback Quattro	Gasolina	2.0	2013	
WS263	AUDI	S3 Sportback Quattro	Gasolina	2.0	2014	2016
WS263	AUDI	S3 Sportback Quattro	Gasolina	2.0	2016	
WS263	AUDI	S3 Sportback Quattro	Gasolina	2.0	2016	
WS263	AUDI	A4	Gasolina	1.8	2011	2015
WS263	AUDI	A4	Gasolina	1.8	2011	2015
WS263	AUDI	A4	Gasolina	2.0	2015	2019
WS263	AUDI	A4	Gasolina	2.0	2015	2019
WS263	AUDI	A4	Gasolina	2.0	2015	2019
WS263	AUDI	A4	Gasolina	2.0	2016	2019
WS263	AUDI	A4	Gasolina	2.0	2016	2019
WS263	AUDI	A4	GLP (con o sin gasolina)	2.0	2016	2019
WS263	AUDI	A4	Híbrido suave/gasolina	2.0	2017	
WS263	AUDI	A4	Híbrido suave/gasolina	2.0	2017	
WS263	AUDI	A4	Híbrido suave/gasolina	2.0	2017	2019
WS263	AUDI	A4	Híbrido suave/gasolina	2.0	2017	2019
WS263	AUDI	A4	Híbrido suave/gasolina	2.0	2018	2019
WS263	AUDI	A4	Híbrido suave/gasolina	2.0	2018	2019
WS263	AUDI	A4	Híbrido suave/gasolina	2.0	2018	
WS263	AUDI	A4	Híbrido suave/gasolina	2.0	2018	
WS263	AUDI	A4 Allroad Quattro	Gasolina	2.0	2016	2019
WS263	AUDI	A4 Allroad Quattro	Gasolina	2.0	2016	2019
WS263	AUDI	A4 Allroad Quattro	Híbrido suave/gasolina	2.0	2018	
WS263	AUDI	A4 Allroad Quattro	Híbrido suave/gasolina	2.0	2018	2019

WS263

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



WS263

VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS263	AUDI	A4 Quattro	Gasolina	1.8	2011	2015
WS263	AUDI	A4 Quattro	Gasolina	1.8	2011	2015
WS263	AUDI	A4 Quattro	Gasolina	2.0	2015	2019
WS263	AUDI	A4 Quattro	Gasolina	2.0	2015	2019
WS263	AUDI	A4 Quattro	Gasolina	2.0	2015	2019
WS263	AUDI	A4 Quattro	Gasolina	2.0	2015	2019
WS263	AUDI	A4 Quattro	Híbrido suave/gasolina	2.0	2017	2019
WS263	AUDI	A4 Quattro	Híbrido suave/gasolina	2.0	2017	2019
WS263	AUDI	A4 Quattro	Híbrido suave/gasolina	2.0	2018	
WS263	AUDI	A4 Quattro	Híbrido suave/gasolina	2.0	2018	
WS263	AUDI	A5	Gasolina	1.8	2015	2017
WS263	AUDI	A5	Gasolina	2.0	2013	2016
WS263	AUDI	A5	Gasolina	2.0	2015	2017
WS263	AUDI	A5	Gasolina	2.0	2016	2020
WS263	AUDI	A5	Gasolina	2.0	2016	2020
WS263	AUDI	A5	Híbrido suave/gasolina	2.0	2017	
WS263	AUDI	A5	Híbrido suave/gasolina	2.0	2017	2020
WS263	AUDI	A5	Híbrido suave/gasolina	2.0	2020	
WS263	AUDI	A5 Cabrio	Gasolina	1.8	2011	2016
WS263	AUDI	A5 Cabrio	Gasolina	1.8	2015	2017
WS263	AUDI	A5 Cabrio	Gasolina	2.0	2013	2016
WS263	AUDI	A5 Cabrio	Gasolina	2.0	2015	2017
WS263	AUDI	A5 Cabrio	Gasolina	2.0	2017	2019
WS263	AUDI	A5 Cabrio	Gasolina	2.0	2017	2019
WS263	AUDI	A5 Cabrio	Híbrido suave/gasolina	2.0	2017	
WS263	AUDI	A5 Cabrio	Híbrido suave/gasolina	2.0	2017	2019
WS263	AUDI	A5 Cabrio	Híbrido suave/gasolina	2.0	2020	
WS263	AUDI	A5 Cabrio	Híbrido suave/gasolina	2.0	2020	
WS263	AUDI	A5 Cabrio Quattro	Gasolina	2.0	2013	2016
WS263	AUDI	A5 Cabrio Quattro	Gasolina	2.0	2015	2017
WS263	AUDI	A5 Cabrio Quattro	Gasolina	2.0	2016	
WS263	AUDI	A5 Cabrio Quattro	Híbrido suave/gasolina	2.0	2017	2019
WS263	AUDI	A5 Cabrio Quattro	Híbrido suave/gasolina	2.0	2020	
WS263	AUDI	A5 Quattro	Gasolina	2.0	2013	2016
WS263	AUDI	A5 Quattro	Gasolina	2.0	2015	2017
WS263	AUDI	A5 Quattro	Gasolina	2.0	2016	
WS263	AUDI	A5 Quattro	Híbrido suave/gasolina	2.0	2017	2020
WS263	AUDI	A5 Sportback	Gasolina	1.8	2011	2017
WS263	AUDI	A5 Sportback	Gasolina	1.8	2015	2017
WS263	AUDI	A5 Sportback	Gasolina	2.0	2013	2016
WS263	AUDI	A5 Sportback	Gasolina	2.0	2015	2017
WS263	AUDI	A5 Sportback	Gasolina	2.0	2016	2020
WS263	AUDI	A5 Sportback	Gasolina	2.0	2017	2020
WS263	AUDI	A5 Sportback	Híbrido suave/gasolina	2.0	2017	
WS263	AUDI	A5 Sportback	Híbrido suave/gasolina	2.0	2017	2020
WS263	AUDI	A5 Sportback	Híbrido suave/gasolina	2.0	2020	
WS263	AUDI	A5 Sportback Quattro	Gasolina	2.0	2013	2016
WS263	AUDI	A5 Sportback Quattro	Gasolina	2.0	2015	2017
WS263	AUDI	A5 Sportback Quattro	Gasolina	2.0	2016	
WS263	AUDI	A5 Sportback Quattro	Híbrido suave/gasolina	2.0	2017	2020
WS263	AUDI	A6	Gasolina	1.8	2014	2018
WS263	AUDI	A6	Gasolina	2.0	2014	2018
WS263	AUDI	A6	Gasolina	2.0	2014	2018
WS263	AUDI	A6 Quattro	Gasolina	2.0	2014	2018
WS263	AUDI	A6 Quattro	Gasolina	2.0	2015	2018
WS263	AUDI	A6 Quattro	Gasolina	2.0	2015	2018
WS263	AUDI	A6 Quattro	Gasolina	2.0	2015	2018
WS263	AUDI	A7 Sportback	Gasolina	1.8	2015	2018
WS263	AUDI	A7 Sportback	Gasolina	2.0	2014	2018
WS263	AUDI	A7 Sportback Quattro	Gasolina	2.0	2015	2018

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS263	AUDI	A7 Sportback Quattro	Gasolina	2.0	2015	2018
WS263	AUDI	A8 Quattro	Gasolina	2.0	2016	2018
WS263	AUDI	Q2 Quattro	Gasolina	2.0	2017	
WS263	AUDI	Q3 Quattro	Gasolina	2.0	2018	
WS263	AUDI	Q3 Quattro	Gasolina	2.0	2018	
WS263	AUDI	Q3 Sportback Quattro	Gasolina	2.0	2019	
WS263	AUDI	Q3 Sportback Quattro	Gasolina	2.0	2019	
WS263	AUDI	Q5 Quattro	Gasolina	2.0	2009	2017
WS263	AUDI	Q5 Quattro	Gasolina	2.0	2012	2016
WS263	AUDI	Q5 Quattro	Gasolina	2.0	2015	2017
WS263	AUDI	Q5 Quattro	Gasolina	2.0	2016	2020
WS263	AUDI	Q5 Quattro	Gasolina	2.0	2017	2020
WS263	AUDI	Q5 Quattro	Hibrido suave/gasolina	2.0	2018	
WS263	AUDI	TT	Gasolina	2.0	2018	
WS263	AUDI	TT	Gasolina	2.0	2018	
WS263	AUDI	TT	Gasolina	2.0	2018	
WS263	AUDI	TT	Gasolina	2.0	2018	
WS263	AUDI	TT Quattro	Gasolina	2.0	2015	
WS263	AUDI	TT Quattro	Gasolina	2.0	2018	
WS263	AUDI	TT Quattro	Gasolina	2.0	2018	
WS263	AUDI	TTS Quattro	Gasolina	2.0	2014	
WS263	AUDI	TTS Quattro	Gasolina	2.0	2014	
WS263	AUDI	TTS Quattro	Gasolina	2.0	2015	
WS263	AUDI	TTS Quattro	Gasolina	2.0	2015	
WS263	AUDI	TTS Quattro	Gasolina	2.0	2015	
WS263	SEAT	Alhambra	Gasolina	2.0	2015	
WS263	SEAT	Ateca	Gasolina	2.0	2017	
WS263	SEAT	Ibiza SC	Gasolina	1.8	2015	2016
WS263	SEAT	León	Gasolina	1.8	2013	
WS263	SEAT	León	Gasolina	1.8	2013	
WS263	SEAT	León	Gasolina	2.0	2013	
WS263	SEAT	León	Gasolina	2.0	2013	
WS263	SEAT	León	Gasolina	2.0	2015	
WS263	SEAT	León	Gasolina	2.0	2015	2016
WS263	SEAT	León	Gasolina	2.0	2017	
WS263	SEAT	León	Gasolina	2.0	2017	
WS263	SEAT	León	Gasolina	2.0	2018	
WS263	SEAT	León SC	Gasolina	1.8	2013	2018
WS263	SEAT	León SC	Gasolina	2.0	2013	2016
WS263	SEAT	León SC	Gasolina	2.0	2013	2016
WS263	SEAT	León SC	Gasolina	2.0	2015	2016
WS263	SEAT	León SC	Gasolina	2.0	2017	2018
WS263	SEAT	León ST	Gasolina	1.8	2013	
WS263	SEAT	León ST	Gasolina	1.8	2013	
WS263	SEAT	León ST	Gasolina	1.8	2014	
WS263	SEAT	León ST	Gasolina	2.0	2013	
WS263	SEAT	León ST	Gasolina	2.0	2013	
WS263	SEAT	León ST	Gasolina	2.0	2013	
WS263	SEAT	León ST	Gasolina	2.0	2013	
WS263	SEAT	León ST	Gasolina	2.0	2015	
WS263	SEAT	León ST	Gasolina	2.0	2016	
WS263	SEAT	León ST	Gasolina	2.0	2016	
WS263	SEAT	León ST	Gasolina	2.0	2016	
WS263	SEAT	León ST	Gasolina	2.0	2016	
WS263	SEAT	León ST	Gasolina	2.0	2018	
WS263	SEAT	León ST	Gasolina	2.0	2018	
WS263	SKODA	Karoq	Gasolina	2.0	2019	
WS263	SKODA	Kodiaq	Gasolina	2.0	2016	
WS263	SKODA	Kodiaq	Gasolina	2.0	2019	
WS263	SKODA	Kodiaq Scout	Gasolina	2.0	2017	

WS263

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



WS263

VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS263	SKODA	Kodiaq Scout	Gasolina	2.0	2019	
WS263	SKODA	Octavia	Gasolina	1.8	2012	
WS263	SKODA	Octavia	Gasolina	1.8	2012	
WS263	SKODA	Octavia	Gasolina	1.8	2013	
WS263	SKODA	Octavia	Gasolina	1.8	2014	
WS263	SKODA	Octavia	Gasolina	2.0	2012	
WS263	SKODA	Octavia	Gasolina	2.0	2013	
WS263	SKODA	Octavia	Gasolina	2.0	2015	
WS263	SKODA	Octavia	Gasolina	2.0	2015	
WS263	SKODA	Octavia	Gasolina	2.0	2017	
WS263	SKODA	Octavia	Gasolina	2.0	2017	
WS263	SKODA	Octavia	Gasolina	2.0	2017	
WS263	SKODA	Octavia	Gasolina	2.0	2017	
WS263	SKODA	Octavia	Gasolina	2.0	2019	
WS263	SKODA	Octavia	Gasolina	2.0	2019	
WS263	SKODA	Octavia Scout	Gasolina	1.8	2013	
WS263	SKODA	Octavia Scout	Gasolina	2.0	2019	
WS263	SKODA	Superb	Gasolina	1.8	2015	
WS263	SKODA	Superb	Gasolina	1.8	2015	
WS263	SKODA	Superb	Gasolina	2.0	2015	
WS263	SKODA	Superb	Gasolina	2.0	2015	
WS263	SKODA	Superb	Gasolina	2.0	2015	
WS263	SKODA	Superb	Gasolina	2.0	2015	
WS263	SKODA	Superb	Gasolina	2.0	2015	
WS263	SKODA	Superb	Gasolina	2.0	2015	
WS263	SKODA	Superb	Gasolina	2.0	2019	
WS263	SKODA	Superb	Gasolina	2.0	2019	
WS263	VW	Arteon	Gasolina	2.0	2017	
WS263	VW	Arteon	Gasolina	2.0	2017	
WS263	VW	Arteon	Gasolina	2.0	2018	
WS263	VW	Arteon Shooting Brake	Gasolina	2.0	2020	
WS263	VW	Arteon Shooting Brake	Gasolina	2.0	2020	
WS263	VW	Beetle	Gasolina	2.0	2012	2016
WS263	VW	Beetle	Gasolina	2.0	2014	2018
WS263	VW	Beetle	Gasolina	2.0	2014	2018
WS263	VW	Golf	Gasolina	2.0	2013	
WS263	VW	Golf	Gasolina	2.0	2013	
WS263	VW	Golf	Gasolina	2.0	2013	
WS263	VW	Golf	Gasolina	2.0	2013	
WS263	VW	Golf	Gasolina	2.0	2013	
WS263	VW	Golf	Gasolina	2.0	2015	
WS263	VW	Golf	Gasolina	2.0	2016	
WS263	VW	Golf	Gasolina	2.0	2016	
WS263	VW	Golf	Gasolina	2.0	2017	
WS263	VW	Golf	Gasolina	2.0	2018	
WS263	VW	Golf Alltrack	Gasolina	1.8	2014	
WS263	VW	Golf Estate/Variant	Gasolina	1.8	2016	
WS263	VW	Golf Estate/Variant	Gasolina	2.0	2015	
WS263	VW	Golf Estate/Variant	Gasolina	2.0	2016	
WS263	VW	Golf Estate/Variant	Gasolina	2.0	2016	
WS263	VW	Jetta	Gasolina	1.8	2014	
WS263	VW	Jetta	Gasolina	2.0	2012	2017
WS263	VW	Passat	Gasolina	2.0	2018	
WS263	VW	Passat	Gasolina	2.0	2018	
WS263	VW	Passat Alltrack	Gasolina	2.0	2018	
WS263	VW	Passat Estate/Variant	Gasolina	2.0	2018	
WS263	VW	Passat Estate/Variant	Gasolina	2.0	2018	
WS263	VW	Polo	Gasolina	2.0	2017	
WS263	VW	Tiguan	Gasolina	2.0	2016	

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS263	VW	Tiguan	Gasolina	2.0	2017	
WS263	VW	Tiguan	Gasolina	2.0	2018	
WS263	VW	Tiguan	Gasolina	2.0	2018	2020
WS263	VW	Tiguan Allspace	Gasolina	2.0	2017	
WS263	VW	Tiguan Allspace	Gasolina	2.0	2017	
WS263	VW	Tiguan Allspace	Gasolina	2.0	2018	
WS263	VW	Touareg	Gasolina	2.0	2018	
WS263	VW	T-Roc	Gasolina	2.0	2017	
WS263	VW	T-Roc	Gasolina	2.0	2019	
WS264						
WS264	AUDI	A3 Sportback	Híbrido enchufable/gasolina	1.4	2014	
WS264	AUDI	A5 Cabrio Quattro	Gasolina	3.0	2011	2017
WS264	AUDI	A5 Quattro	Gasolina	3.0	2011	2017
WS264	AUDI	A5 Sportback Quattro	Gasolina	3.0	2011	2017
WS264	SEAT	Alhambra	Gasolina	1.4	2015	
WS264	SEAT	Alhambra	Gasolina	1.4	2015	
WS264	SEAT	Arona	Gasolina	1.6	2017	
WS264	SEAT	Ateca	Gasolina	1.4	2016	
WS264	SEAT	Ateca	Gasolina	1.4	2016	
WS264	SEAT	Ibiza	Gasolina	1.6	2015	2017
WS264	SEAT	Ibiza	Gasolina	1.6	2017	
WS264	SEAT	Ibiza SC	Gasolina	1.6	2015	2016
WS264	SEAT	León	Gasolina	1.4	2014	
WS264	SEAT	León	Gasolina	1.4	2014	
WS264	SEAT	León	Gasolina	1.4	2014	
WS264	SEAT	León	GLP (con o sin gasolina)	1.4	2013	
WS264	SEAT	León SC	Gasolina	1.4	2014	2018
WS264	SEAT	León SC	Gasolina	1.4	2014	2018
WS264	SEAT	León ST	Gasolina	1.4	2014	
WS264	SEAT	León ST	Gasolina	1.4	2014	
WS264	SEAT	León ST	Gasolina	1.4	2014	
WS264	SEAT	León ST	GLP (con o sin gasolina)	1.4	2014	
WS264	VW	Beetle	Gasolina	1.4	2014	2018
WS264	VW	Beetle	Gasolina	1.4	2014	2019
WS264	VW	Caddy	Gasolina	1.4	2018	
WS264	VW	Caddy	Gasolina	1.4	2019	
WS264	VW	Caddy Alltrack	Gasolina	1.4	2018	
WS264	VW	Caddy Alltrack	Gasolina	1.4	2019	
WS264	VW	Caddy Maxi	Gasolina	1.4	2018	
WS264	VW	Caddy Maxi	Gasolina	1.4	2019	
WS264	VW	Golf	Gasolina	1.4	2012	
WS264	VW	Golf	Gasolina	1.4	2012	
WS264	VW	Golf	Gasolina	1.4	2014	
WS264	VW	Golf	Gasolina	1.4	2014	
WS264	VW	Golf	Gasolina	1.6	2014	
WS264	VW	Golf	Híbrido enchufable/gasolina	1.4	2014	
WS264	VW	Golf	Biocarburante (etanol) o metanol	1.4	2014	
WS264	VW	Golf Cabrio	Gasolina	1.4	2013	2016
WS264	VW	Golf Cabrio	Gasolina	1.4	2013	2016
WS264	VW	Golf Estate/Variant	Gasolina	1.4	2013	2017
WS264	VW	Golf Estate/Variant	Gasolina	1.4	2014	
WS264	VW	Golf Estate/Variant	Gasolina	1.4	2014	
WS264	VW	Golf Estate/Variant	Gasolina	1.6	2014	2017
WS264	VW	Golf Estate/Variant	Biocarburante (etanol) o metanol	1.4	2014	2017
WS264	VW	Golf Sportsvan	Gasolina	1.4	2014	
WS264	VW	Golf Sportsvan	Gasolina	1.4	2014	
WS264	VW	Golf Sportsvan	Gasolina	1.6	2014	
WS264	VW	Golf Sportsvan	Biocarburante (etanol) o metanol	1.4	2014	
WS264	VW	Golf Van (Variant)	Gasolina	1.4	2013	2017
WS264	VW	Jetta	Gasolina	1.4	2014	

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WS264

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS264	VW	Jetta	Gasolina	1.4	2014	
WS264	VW	Jetta	Totalmente híbrido/gasolina	1.4	2012	
WS264	VW	Passat	Híbrido enchufable/gasolina	1.4	2015	
WS264	VW	Passat Estate/Variant	Híbrido enchufable/gasolina	1.4	2015	
WS264	VW	Polo	Gasolina	1.4	2016	
WS264	VW	Sharan	Gasolina	1.4	2015	
WS264	VW	Tiguan	Gasolina	1.4	2015	2018
WS264	VW	Tiguan	Gasolina	1.4	2016	2018
WS264	VW	Tiguan	Gasolina	1.4	2016	2018
WS264	VW	Tiguan	Gasolina	1.4	2016	2018
WS266						
WS266	AUDI	A4	Diésel	2.7	2007	2012
WS266	AUDI	A4	Diésel	2.7	2007	2012
WS266	AUDI	A4	Diésel	2.7	2008	2012
WS266	AUDI	A4	Diésel	2.7	2008	2012
WS266	AUDI	A4 Allroad Quattro	Diésel	3.0	2009	2012
WS266	AUDI	A4 Quattro	Diésel	3.0	2007	2012
WS266	AUDI	A4 Quattro	Diésel	3.0	2008	2012
WS266	AUDI	A4 Quattro	Diésel	3.0	2008	2010
WS266	AUDI	A4 Quattro	Diésel	3.0	2008	2010
WS266	AUDI	A5	Diésel	2.7	2007	2012
WS266	AUDI	A5	Diésel	2.7	2007	2012
WS266	AUDI	A5 Cabrio	Diésel	2.7	2009	2012
WS266	AUDI	A5 Cabrio	Diésel	2.7	2009	2012
WS266	AUDI	A5 Cabrio Quattro	Diésel	3.0	2009	2012
WS266	AUDI	A5 Quattro	Diésel	3.0	2007	2012
WS266	AUDI	A5 Quattro	Diésel	3.0	2008	2010
WS266	AUDI	A5 Sportback	Diésel	2.7	2007	2012
WS266	AUDI	A5 Sportback	Diésel	2.7	2009	2012
WS266	AUDI	A5 Sportback Quattro	Diésel	3.0	2009	2012
WS266	AUDI	A6	Diésel	2.7	2005	2009
WS266	AUDI	A6	Diésel	2.7	2005	2009
WS266	AUDI	A6	Diésel	2.7	2008	2011
WS266	AUDI	A6	Diésel	2.7	2008	2011
WS266	AUDI	A6 Allroad Quattro	Diésel	2.7	2006	2011
WS266	AUDI	A6 Allroad Quattro	Diésel	2.7	2008	2011
WS266	AUDI	A6 Allroad Quattro	Diésel	3.0	2008	2011
WS266	AUDI	A6 Quattro	Diésel	2.7	2005	2011
WS266	AUDI	A6 Quattro	Diésel	2.7	2005	2011
WS266	AUDI	A6 Quattro	Diésel	2.7	2008	2011
WS266	AUDI	A6 Quattro	Diésel	2.7	2008	2011
WS266	AUDI	A6 Quattro	Diésel	3.0	2008	2011
WS266	AUDI	A6 Quattro	Diésel	3.0	2008	2012
WS266	AUDI	Q5 Quattro	Diésel	3.0	2008	2013
WS266	AUDI	Q5 Quattro	Diésel	3.0	2008	2017
WS266	AUDI	Q7 Quattro	Diésel	3.0	2007	2012
WS266	AUDI	Q7 Quattro	Diésel	3.0	2007	2015
WS266	AUDI	Q7 Quattro	Diésel	3.0	2009	2012
WS266	VW	Touareg	Diésel	3.0	2004	2010
WS266	VW	Touareg	Diésel	3.0	2007	2010
WS266	VW	Touareg	Diésel	3.0	2010	2014
WS266	VW	Touareg	Diésel	3.0	2010	2018
WS266	VW	Touareg	Diésel	3.0	2010	2012
WS324						
WS324	HONDA	Civic	Gasolina	1.8	2005	2011
WS324	HONDA	Civic	Gasolina	1.8	2005	2013
WS324	HONDA	CR-V	Gasolina	2.0	2006	2012
WS324	HONDA	CR-V	Gasolina	2.0	2007	2012
WS324	HONDA	FR-V	Gasolina	1.8	2007	2009

WS264

WS266

WS324

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS324	HONDA	Civic S	Gasolina	1.8	2006	
WS350						
WS350	MAZDA	2	Gasolina	1.3	2007	2014
WS350	MAZDA	2	Gasolina	1.3	2007	2014
WS350	MAZDA	2	Gasolina	1.3	2010	2015
WS350	MAZDA	2	Gasolina	1.3	2010	2014
WS350	MAZDA	2	Gasolina	1.5	2007	2014
WS350	MAZDA	2	Gasolina	1.5	2007	2014
WS350	MAZDA	2	Gasolina	1.5	2010	2015
WS350	MAZDA	2	Gasolina	1.5	2011	2014
WS350	MAZDA	3	Gasolina	1.6	2008	2014
WS350	MAZDA	3	Gasolina	1.6	2008	2014
WS350	MAZDA	3	Gasolina	1.6	2013	
WS350	MAZDA	3	Gasolina	1.6	2013	
WS350	MAZDA	3 Sport	Gasolina	1.6	2013	2014
WS364						
WS364	KIA	Ceed	Gasolina	1.4	2018	
WS364	KIA	Ceed	Gasolina	1.4	2018	
WS364	KIA	Ceed	Gasolina	1.4	2018	
WS364	KIA	Ceed	Gasolina	1.4	2018	
WS364	KIA	Picanto	Gasolina	1.0	2017	
WS364	KIA	Picanto	Gasolina	1.0	2017	
WS364	KIA	Picanto	Gasolina	1.0	2017	
WS364	KIA	Picanto X-Line	Gasolina	1.0	2017	
WS364	KIA	Rio	Gasolina	1.4	2017	
WS364	KIA	Rio	Gasolina	1.4	2017	
WS364	KIA	Rio	Gasolina	1.4	2017	
WS364	KIA	Rio	Gasolina	1.4	2017	
WS364	KIA	Rio X-Line	Gasolina	1.4	2017	
WS364	KIA	Stonic	Gasolina	1.4	2017	
WS366						
WS366	HYUNDAI	Creta	Gasolina	1.4	2020	
WS366	HYUNDAI	Grand i10	Gasolina	1.0	2020	
WS366	HYUNDAI	i10	Gasolina	1.0	2019	
WS366	HYUNDAI	i20	Gasolina	1.0	2015	
WS366	HYUNDAI	i20	Gasolina	1.0	2016	
WS366	HYUNDAI	i20	Gasolina	1.0	2016	
WS366	HYUNDAI	i20	Gasolina	1.0	2016	
WS366	HYUNDAI	i20	Gasolina	1.4	2014	
WS366	HYUNDAI	i20	Gasolina	1.4	2014	
WS366	HYUNDAI	i20	Gasolina	1.4	2015	
WS366	HYUNDAI	i20	Gasolina	1.4	2015	
WS366	HYUNDAI	i20 Active	Gasolina	1.0	2015	
WS366	HYUNDAI	i20 Active	Gasolina	1.0	2015	
WS366	HYUNDAI	i20 Active	Gasolina	1.4	2016	
WS366	HYUNDAI	i20 Active	Gasolina	1.4	2018	
WS366	HYUNDAI	i20 Cross	Gasolina	1.4	2016	
WS366	HYUNDAI	i20 Elite	Gasolina	1.4	2016	
WS366	HYUNDAI	i30	Gasolina	1.0	2016	
WS366	HYUNDAI	i30	Gasolina	1.0	2016	
WS366	HYUNDAI	i30	Gasolina	1.0	2017	
WS366	HYUNDAI	i30	Gasolina	1.0	2017	
WS366	HYUNDAI	i30	Gasolina	1.4	2016	
WS366	HYUNDAI	i30	Gasolina	1.4	2016	
WS366	HYUNDAI	i30	Gasolina	1.4	2017	
WS366	HYUNDAI	i30	Gasolina	1.4	2017	
WS366	HYUNDAI	i30	Gasolina	1.4	2017	
WS366	HYUNDAI	i30	Gasolina	1.4	2017	
WS366	HYUNDAI	i30	Gasolina	1.4	2017	

WS324

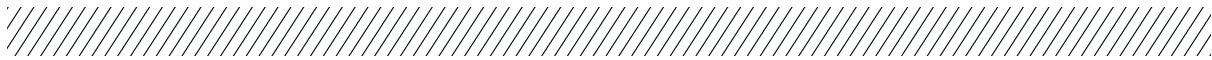
WS350

WS364

WS366

VVS POR REFERENCIA

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VVS	Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin
WS366	HYUNDAI	i30	Híbrido suave/gasolina	1.0	2020	
WS366	HYUNDAI	i30	Híbrido suave/gasolina	1.0	2020	
WS366	HYUNDAI	i30 Fastback	Gasolina	1.0	2017	
WS366	HYUNDAI	i30 Fastback	Gasolina	1.4	2017	
WS366	HYUNDAI	i30 Fastback	Híbrido suave/gasolina	1.0	2020	
WS366	HYUNDAI	Kona	Totalmente híbrido/gasolina	1.6	2019	
WS366	HYUNDAI	Kona	Totalmente híbrido/gasolina	1.6	2019	
WS370						
WS370	HYUNDAI	Ioniq	Totalmente híbrido/gasolina	1.6	2016	

WS366

WS370

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
ALPINA						
ALPINA	B5	Gasolina	4.4	2020		WS229
ALPINA	B5	Gasolina	4.4	2020		WS229
ALPINA	B7	Gasolina	4.4	2003	2008	WS172
ALPINA	Roadster	Gasolina	4.8	2002	2003	WS180
AUDI						
AUDI	A1	Gasolina	1.4	2010	2015	WS212
AUDI	A1	Gasolina	1.4	2011	2015	WS212
AUDI	A1	Gasolina	1.8	2015	2018	WS263
AUDI	A1 Sportback	Gasolina	1.4	2011	2015	WS212
AUDI	A1 Sportback	Gasolina	1.4	2011	2015	WS212
AUDI	A1 Sportback	Gasolina	1.8	2015	2018	WS263
AUDI	A1 Sportback	Gasolina	2.0	2018		WS263
AUDI	A3	Gasolina	1.4	2007	2012	WS212
AUDI	A3	Gasolina	1.6	2003	2007	WS212
AUDI	A3	Gasolina	1.8	1996	2006	WS143
AUDI	A3	Gasolina	1.8	1998	2006	WS143
AUDI	A3	Gasolina	1.8	2007	2012	WS161
AUDI	A3	Gasolina	1.8	2012	2016	WS263
AUDI	A3	Gasolina	1.8	2013	2016	WS263
AUDI	A3	Gasolina	1.8	2013	2016	WS263
AUDI	A3	Gasolina	2.0	2004	2012	WS161
AUDI	A3	Gasolina	2.0	2015	2016	WS263
AUDI	A3	Gasolina	2.0	2016		WS263
AUDI	A3	Gasolina	2.0	2016		WS263
AUDI	A3 Cabrio	Gasolina	1.4	2011	2013	WS212
AUDI	A3 Cabrio	Gasolina	1.8	2008	2013	WS162
AUDI	A3 Cabrio	Gasolina	1.8	2013	2016	WS263
AUDI	A3 Cabrio	Gasolina	1.8	2014	2016	WS263
AUDI	A3 Cabrio	Gasolina	2.0	2008	2013	WS161
AUDI	A3 Cabrio	Gasolina	2.0	2016		WS263
AUDI	A3 Cabrio Quattro	Gasolina	1.8	2014	2016	WS263
AUDI	A3 Cabrio Quattro	Gasolina	2.0	2016		WS263
AUDI	A3 Cabrio Quattro	Gasolina	2.0	2016		WS263
AUDI	A3 Quattro	Gasolina	1.8	1997	2003	WS143
AUDI	A3 Quattro	Gasolina	1.8	1998	2003	WS143
AUDI	A3 Quattro	Gasolina	1.8	2008	2012	WS162
AUDI	A3 Quattro	Gasolina	1.8	2012	2016	WS263
AUDI	A3 Quattro	Gasolina	1.8	2013	2016	WS263
AUDI	A3 Quattro	Gasolina	2.0	2004	2012	WS162
AUDI	A3 Quattro	Gasolina	2.0	2016		WS263
AUDI	A3 Quattro	Gasolina	2.0	2016		WS263
AUDI	A3 Sportback	Gasolina	1.4	2007	2013	WS212
AUDI	A3 Sportback	Gasolina	1.6	2004	2007	WS212
AUDI	A3 Sportback	Gasolina	1.8	2007	2013	WS161
AUDI	A3 Sportback	Gasolina	1.8	2012	2016	WS263
AUDI	A3 Sportback	Gasolina	2.0	2004	2013	WS161
AUDI	A3 Sportback	Gasolina	2.0	2015	2016	WS263
AUDI	A3 Sportback	Gasolina	2.0	2016		WS263
AUDI	A3 Sportback	Hibrido enchufable/gasolina	1.4	2014		WS264
AUDI	A3 Sportback Quattro	Gasolina	1.8	2008	2013	WS162
AUDI	A3 Sportback Quattro	Gasolina	1.8	2013	2016	WS263
AUDI	A3 Sportback Quattro	Gasolina	2.0	2004	2013	WS162
AUDI	A3 Sportback Quattro	Gasolina	2.0	2016		WS263
AUDI	A4	Gasolina	1.8	2000	2004	WS143
AUDI	A4	Gasolina	1.8	2000	2004	WS143
AUDI	A4	Gasolina	1.8	2001	2002	WS143
AUDI	A4	Gasolina	1.8	2002	2004	WS143
AUDI	A4	Gasolina	1.8	2002	2004	WS143
AUDI	A4	Gasolina	1.8	2002	2004	WS143

ALPINA

AUDI

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



AUDI

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
AUDI	A4	Gasolina	1.8	2002	2004	WS143
AUDI	A4	Gasolina	1.8	2004	2008	WS143
AUDI	A4	Gasolina	1.8	2004	2008	WS143
AUDI	A4	Gasolina	1.8	2007	2012	WS162
AUDI	A4	Gasolina	1.8	2007	2012	WS162
AUDI	A4	Gasolina	1.8	2008	2015	WS162
AUDI	A4	Gasolina	1.8	2008	2015	WS162
AUDI	A4	Gasolina	1.8	2011	2015	WS263
AUDI	A4	Gasolina	1.8	2011	2015	WS263
AUDI	A4	Gasolina	2.0	2004	2007	WS176
AUDI	A4	Gasolina	2.0	2004	2008	WS176
AUDI	A4	Gasolina	2.0	2008	2013	WS162
AUDI	A4	Gasolina	2.0	2008	2015	WS162
AUDI	A4	Gasolina	2.0	2008	2015	WS162
AUDI	A4	Gasolina	2.0	2008	2015	WS162
AUDI	A4	Gasolina	2.0	2013	2015	WS162
AUDI	A4	Gasolina	2.0	2015	2019	WS263
AUDI	A4	Gasolina	2.0	2015	2019	WS263
AUDI	A4	Gasolina	2.0	2015	2019	WS263
AUDI	A4	Gasolina	2.0	2015	2019	WS263
AUDI	A4	Gasolina	2.0	2016	2019	WS263
AUDI	A4	Gasolina	2.0	2016	2019	WS263
AUDI	A4	Gasolina	2.4	1997	2000	WS236
AUDI	A4	Gasolina	2.4	1997	2001	WS236
AUDI	A4	Gasolina	2.4	2001	2004	WS236
AUDI	A4	Gasolina	2.4	2001	2004	WS236
AUDI	A4	Gasolina	2.4	2001	2004	WS236
AUDI	A4	Gasolina	2.4	2001	2004	WS236
AUDI	A4	Gasolina	2.8	1996	2000	WS236
AUDI	A4	Gasolina	2.8	1996	2000	WS236
AUDI	A4	Diésel	2.7	2007	2012	WS266
AUDI	A4	Diésel	2.7	2007	2012	WS266
AUDI	A4	Diésel	2.7	2008	2012	WS266
AUDI	A4	Diésel	2.7	2008	2012	WS266
AUDI	A4	GLP (con o sin gasolina)	2.0	2016	2019	WS263
AUDI	A4	Hibrido suave/gasolina	2.0	2017		WS263
AUDI	A4	Hibrido suave/gasolina	2.0	2017		WS263
AUDI	A4	Hibrido suave/gasolina	2.0	2017	2019	WS263
AUDI	A4	Hibrido suave/gasolina	2.0	2017	2019	WS263
AUDI	A4	Hibrido suave/gasolina	2.0	2018	2019	WS263
AUDI	A4	Hibrido suave/gasolina	2.0	2018	2019	WS263
AUDI	A4	Hibrido suave/gasolina	2.0	2018		WS263
AUDI	A4	Hibrido suave/gasolina	2.0	2018		WS263
AUDI	A4	Hibrido suave/gasolina	2.0	2018		WS263
AUDI	A4 Allroad Quattro	Gasolina	2.0	2009	2016	WS162
AUDI	A4 Allroad Quattro	Gasolina	2.0	2012	2016	WS162
AUDI	A4 Allroad Quattro	Gasolina	2.0	2016	2019	WS263
AUDI	A4 Allroad Quattro	Gasolina	2.0	2016	2019	WS263
AUDI	A4 Allroad Quattro	Diésel	3.0	2009	2012	WS266
AUDI	A4 Allroad Quattro	Hibrido suave/gasolina	2.0	2018		WS263
AUDI	A4 Allroad Quattro	Hibrido suave/gasolina	2.0	2018	2019	WS263
AUDI	A4 Cabrio	Gasolina	1.8	2002	2005	WS143
AUDI	A4 Cabrio	Gasolina	1.8	2006	2009	WS143
AUDI	A4 Cabrio	Gasolina	2.0	2006	2009	WS176
AUDI	A4 Cabrio	Gasolina	2.4	2002	2005	WS236
AUDI	A4 Cabrio	Gasolina	2.4	2003	2005	WS236
AUDI	A4 Cabrio Quattro	Gasolina	1.8	2003	2005	WS143
AUDI	A4 Quattro	Gasolina	1.8	2000	2002	WS143
AUDI	A4 Quattro	Gasolina	1.8	2001	2002	WS143
AUDI	A4 Quattro	Gasolina	1.8	2001	2004	WS143
AUDI	A4 Quattro	Gasolina	1.8	2001	2004	WS143
AUDI	A4 Quattro	Gasolina	1.8	2002	2004	WS143

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
AUDI	A4 Quattro	Gasolina	1.8	2002	2004	WS143
AUDI	A4 Quattro	Gasolina	1.8	2002	2004	WS143
AUDI	A4 Quattro	Gasolina	1.8	2002	2004	WS143
AUDI	A4 Quattro	Gasolina	1.8	2004	2007	WS143
AUDI	A4 Quattro	Gasolina	1.8	2004	2008	WS143
AUDI	A4 Quattro	Gasolina	1.8	2008	2012	WS162
AUDI	A4 Quattro	Gasolina	1.8	2008	2012	WS162
AUDI	A4 Quattro	Gasolina	1.8	2011	2015	WS263
AUDI	A4 Quattro	Gasolina	1.8	2011	2015	WS263
AUDI	A4 Quattro	Gasolina	2.0	2004	2008	WS176
AUDI	A4 Quattro	Gasolina	2.0	2004	2008	WS176
AUDI	A4 Quattro	Gasolina	2.0	2008	2015	WS162
AUDI	A4 Quattro	Gasolina	2.0	2008	2015	WS162
AUDI	A4 Quattro	Gasolina	2.0	2012	2015	WS162
AUDI	A4 Quattro	Gasolina	2.0	2015	2019	WS263
AUDI	A4 Quattro	Gasolina	2.0	2015	2019	WS263
AUDI	A4 Quattro	Gasolina	2.0	2015	2019	WS263
AUDI	A4 Quattro	Gasolina	2.0	2015	2019	WS263
AUDI	A4 Quattro	Gasolina	2.8	1996	2001	WS236
AUDI	A4 Quattro	Gasolina	2.8	1996	2001	WS236
AUDI	A4 Quattro	Diésel	3.0	2007	2012	WS266
AUDI	A4 Quattro	Diésel	3.0	2008	2012	WS266
AUDI	A4 Quattro	Diésel	3.0	2008	2010	WS266
AUDI	A4 Quattro	Diésel	3.0	2008	2010	WS266
AUDI	A4 Quattro	Hibrido suave/gasolina	2.0	2017	2019	WS263
AUDI	A4 Quattro	Hibrido suave/gasolina	2.0	2017	2019	WS263
AUDI	A4 Quattro	Hibrido suave/gasolina	2.0	2018		WS263
AUDI	A4 Quattro	Hibrido suave/gasolina	2.0	2018		WS263
AUDI	A5	Gasolina	1.8	2007	2017	WS161
AUDI	A5	Gasolina	1.8	2009	2011	WS161
AUDI	A5	Gasolina	1.8	2015	2017	WS263
AUDI	A5	Gasolina	2.0	2008	2013	WS162
AUDI	A5	Gasolina	2.0	2013	2016	WS263
AUDI	A5	Gasolina	2.0	2015	2017	WS263
AUDI	A5	Gasolina	2.0	2016	2020	WS263
AUDI	A5	Gasolina	2.0	2016	2020	WS263
AUDI	A5	Diésel	2.7	2007	2012	WS266
AUDI	A5	Diésel	2.7	2007	2012	WS266
AUDI	A5	Hibrido suave/gasolina	2.0	2017		WS263
AUDI	A5	Hibrido suave/gasolina	2.0	2017	2020	WS263
AUDI	A5	Hibrido suave/gasolina	2.0	2020		WS263
AUDI	A5 Cabrio	Gasolina	1.8	2009	2012	WS161
AUDI	A5 Cabrio	Gasolina	1.8	2011	2016	WS263
AUDI	A5 Cabrio	Gasolina	1.8	2015	2017	WS263
AUDI	A5 Cabrio	Gasolina	2.0	2009	2014	WS162
AUDI	A5 Cabrio	Gasolina	2.0	2013	2014	WS162
AUDI	A5 Cabrio	Gasolina	2.0	2013	2016	WS263
AUDI	A5 Cabrio	Gasolina	2.0	2015	2017	WS263
AUDI	A5 Cabrio	Gasolina	2.0	2017	2019	WS263
AUDI	A5 Cabrio	Gasolina	2.0	2017	2019	WS263
AUDI	A5 Cabrio	Diésel	2.7	2009	2012	WS266
AUDI	A5 Cabrio	Diésel	2.7	2009	2012	WS266
AUDI	A5 Cabrio	Hibrido suave/gasolina	2.0	2017		WS263
AUDI	A5 Cabrio	Hibrido suave/gasolina	2.0	2017	2019	WS263
AUDI	A5 Cabrio	Hibrido suave/gasolina	2.0	2020		WS263
AUDI	A5 Cabrio	Hibrido suave/gasolina	2.0	2020		WS263
AUDI	A5 Cabrio Quattro	Gasolina	2.0	2009	2017	WS162
AUDI	A5 Cabrio Quattro	Gasolina	2.0	2013	2016	WS263
AUDI	A5 Cabrio Quattro	Gasolina	2.0	2015	2017	WS263
AUDI	A5 Cabrio Quattro	Gasolina	2.0	2016		WS263

AUDI

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



AUDI

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
AUDI	A5 Cabrio Quattro	Gasolina	3.0	2011	2017	WS264
AUDI	A5 Cabrio Quattro	Diésel	3.0	2009	2012	WS266
AUDI	A5 Cabrio Quattro	Hibrido suave/gasolina	2.0	2017	2019	WS263
AUDI	A5 Cabrio Quattro	Hibrido suave/gasolina	2.0	2020		WS263
AUDI	A5 Quattro	Gasolina	2.0	2008	2017	WS162
AUDI	A5 Quattro	Gasolina	2.0	2013	2016	WS263
AUDI	A5 Quattro	Gasolina	2.0	2013	2017	WS162
AUDI	A5 Quattro	Gasolina	2.0	2015	2017	WS263
AUDI	A5 Quattro	Gasolina	2.0	2016		WS263
AUDI	A5 Quattro	Gasolina	3.0	2011	2017	WS264
AUDI	A5 Quattro	Diésel	3.0	2007	2012	WS266
AUDI	A5 Quattro	Diésel	3.0	2008	2010	WS266
AUDI	A5 Quattro	Hibrido suave/gasolina	2.0	2017	2020	WS263
AUDI	A5 Sportback	Gasolina	1.8	2009	2011	WS161
AUDI	A5 Sportback	Gasolina	1.8	2011	2017	WS263
AUDI	A5 Sportback	Gasolina	1.8	2015	2017	WS263
AUDI	A5 Sportback	Gasolina	2.0	2009	2013	WS162
AUDI	A5 Sportback	Gasolina	2.0	2013	2016	WS263
AUDI	A5 Sportback	Gasolina	2.0	2015	2017	WS263
AUDI	A5 Sportback	Gasolina	2.0	2016	2020	WS263
AUDI	A5 Sportback	Gasolina	2.0	2017	2020	WS263
AUDI	A5 Sportback	Diésel	2.7	2007	2012	WS266
AUDI	A5 Sportback	Diésel	2.7	2009	2012	WS266
AUDI	A5 Sportback	Hibrido suave/gasolina	2.0	2017		WS263
AUDI	A5 Sportback	Hibrido suave/gasolina	2.0	2017	2020	WS263
AUDI	A5 Sportback	Hibrido suave/gasolina	2.0	2020		WS263
AUDI	A5 Sportback Quattro	Gasolina	2.0	2009	2013	WS162
AUDI	A5 Sportback Quattro	Gasolina	2.0	2013	2016	WS263
AUDI	A5 Sportback Quattro	Gasolina	2.0	2015	2017	WS263
AUDI	A5 Sportback Quattro	Gasolina	2.0	2016		WS263
AUDI	A5 Sportback Quattro	Gasolina	3.0	2011	2017	WS264
AUDI	A5 Sportback Quattro	Diésel	3.0	2009	2012	WS266
AUDI	A5 Sportback Quattro	Hibrido suave/gasolina	2.0	2017	2020	WS263
AUDI	A6	Gasolina	1.8	1997	2004	WS143
AUDI	A6	Gasolina	1.8	1998	2005	WS143
AUDI	A6	Gasolina	1.8	2014	2018	WS263
AUDI	A6	Gasolina	2.0	2005	2011	WS176
AUDI	A6	Gasolina	2.0	2005	2011	WS176
AUDI	A6	Gasolina	2.0	2011	2015	WS162
AUDI	A6	Gasolina	2.0	2014	2018	WS263
AUDI	A6	Gasolina	2.0	2014	2018	WS263
AUDI	A6	Gasolina	2.4	1997	2001	WS236
AUDI	A6	Gasolina	2.4	1997	2004	WS236
AUDI	A6	Gasolina	2.4	1997	2004	WS236
AUDI	A6	Gasolina	2.4	1997	2005	WS236
AUDI	A6	Gasolina	2.4	1998	2001	WS236
AUDI	A6	Gasolina	2.4	1998	2005	WS236
AUDI	A6	Gasolina	2.4	1998	2001	WS236
AUDI	A6	Gasolina	2.4	1998	2001	WS236
AUDI	A6	Gasolina	2.4	1998	2005	WS236
AUDI	A6	Gasolina	2.4	1998	2001	WS236
AUDI	A6	Gasolina	2.4	1998	2001	WS236
AUDI	A6	Gasolina	2.7	1999	2000	WS236
AUDI	A6	Gasolina	2.7	1999	2000	WS236
AUDI	A6	Gasolina	2.8	1995	1997	WS236
AUDI	A6	Gasolina	2.8	1995	1997	WS236
AUDI	A6	Gasolina	2.8	1997	2001	WS236
AUDI	A6	Gasolina	2.8	1997	2001	WS236
AUDI	A6	Gasolina	2.8	1997	2000	WS236
AUDI	A6	Gasolina	2.8	1997	2000	WS236
AUDI	A6	Gasolina	2.8	1999	2001	WS236
AUDI	A6	Gasolina	2.8	1999	2001	WS236
AUDI	A6	Diésel	2.7	2005	2009	WS266

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
AUDI	A6	Diésel	2.7	2005	2009	WS266
AUDI	A6	Diésel	2.7	2008	2011	WS266
AUDI	A6	Diésel	2.7	2008	2011	WS266
AUDI	A6 Allroad Quattro	Gasolina	4.2	2006	2010	WS160
AUDI	A6 Allroad Quattro	Diésel	2.7	2006	2011	WS266
AUDI	A6 Allroad Quattro	Diésel	2.7	2008	2011	WS266
AUDI	A6 Allroad Quattro	Diésel	3.0	2008	2011	WS266
AUDI	A6 Quattro	Gasolina	1.8	1997	2005	WS143
AUDI	A6 Quattro	Gasolina	1.8	1997	2005	WS143
AUDI	A6 Quattro	Gasolina	2.0	2011	2018	WS162
AUDI	A6 Quattro	Gasolina	2.0	2014	2018	WS263
AUDI	A6 Quattro	Gasolina	2.0	2015	2018	WS263
AUDI	A6 Quattro	Gasolina	2.0	2015	2018	WS263
AUDI	A6 Quattro	Gasolina	2.0	2015	2018	WS263
AUDI	A6 Quattro	Gasolina	2.4	1997	2001	WS236
AUDI	A6 Quattro	Gasolina	2.4	1997	2001	WS236
AUDI	A6 Quattro	Gasolina	2.4	1997	2001	WS236
AUDI	A6 Quattro	Gasolina	2.4	1997	2001	WS236
AUDI	A6 Quattro	Gasolina	2.4	1997	2001	WS236
AUDI	A6 Quattro	Gasolina	2.4	1998	2001	WS236
AUDI	A6 Quattro	Gasolina	2.4	1998	2001	WS236
AUDI	A6 Quattro	Gasolina	2.7	1999	2001	WS236
AUDI	A6 Quattro	Gasolina	2.7	1999	2001	WS236
AUDI	A6 Quattro	Gasolina	2.7	2001	2005	WS236
AUDI	A6 Quattro	Gasolina	2.7	2001	2005	WS236
AUDI	A6 Quattro	Gasolina	2.8	1995	1997	WS236
AUDI	A6 Quattro	Gasolina	2.8	1995	1997	WS236
AUDI	A6 Quattro	Gasolina	2.8	1997	2001	WS236
AUDI	A6 Quattro	Gasolina	2.8	1997	2001	WS236
AUDI	A6 Quattro	Gasolina	2.8	1998	2001	WS236
AUDI	A6 Quattro	Gasolina	2.8	1998	2001	WS236
AUDI	A6 Quattro	Gasolina	2.8	1998	2001	WS236
AUDI	A6 Quattro	Gasolina	2.8	1998	2001	WS236
AUDI	A6 Quattro	Gasolina	4.2	2006	2011	WS160
AUDI	A6 Quattro	Gasolina	4.2	2006	2011	WS160
AUDI	A6 Quattro	Diésel	2.7	2005	2011	WS266
AUDI	A6 Quattro	Diésel	2.7	2005	2011	WS266
AUDI	A6 Quattro	Diésel	2.7	2008	2011	WS266
AUDI	A6 Quattro	Diésel	2.7	2008	2011	WS266
AUDI	A6 Quattro	Diésel	3.0	2008	2011	WS266
AUDI	A6 Quattro	Diésel	3.0	2008	2011	WS266
AUDI	A7 Sportback	Gasolina	1.8	2015	2018	WS263
AUDI	A7 Sportback	Gasolina	2.0	2014	2018	WS263
AUDI	A7 Sportback Quattro	Gasolina	2.0	2015	2018	WS263
AUDI	A7 Sportback Quattro	Gasolina	2.0	2015	2018	WS263
AUDI	A8	Gasolina	2.8	1996	2002	WS236
AUDI	A8	Totalmente híbrido/gasolina	2.0	2012	2015	WS162
AUDI	A8 Quattro	Gasolina	2.0	2016	2018	WS263
AUDI	A8 Quattro	Gasolina	2.8	1995	2002	WS236
AUDI	A8 Quattro	Gasolina	4.2	2006	2010	WS160
AUDI	A8 Quattro	Gasolina	4.2	2009	2012	WS160
AUDI	Q2 Quattro	Gasolina	2.0	2017		WS263
AUDI	Q3 Quattro	Gasolina	2.0	2011	2015	WS162
AUDI	Q3 Quattro	Gasolina	2.0	2011	2015	WS162
AUDI	Q3 Quattro	Gasolina	2.0	2014	2018	WS161
AUDI	Q3 Quattro	Gasolina	2.0	2018		WS263
AUDI	Q3 Quattro	Gasolina	2.0	2018		WS263
AUDI	Q3 Sportback Quattro	Gasolina	2.0	2019		WS263
AUDI	Q3 Sportback Quattro	Gasolina	2.0	2019		WS263
AUDI	Q5 Quattro	Gasolina	2.0	2008	2012	WS162
AUDI	Q5 Quattro	Gasolina	2.0	2008	2012	WS162
AUDI	Q5 Quattro	Gasolina	2.0	2009	2017	WS263

AUDI

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



AUDI

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
AUDI	Q5 Quattro	Gasolina	2.0	2012	2016	WS263
AUDI	Q5 Quattro	Gasolina	2.0	2013	2017	WS162
AUDI	Q5 Quattro	Gasolina	2.0	2015	2017	WS263
AUDI	Q5 Quattro	Gasolina	2.0	2016	2020	WS263
AUDI	Q5 Quattro	Gasolina	2.0	2017	2020	WS263
AUDI	Q5 Quattro	Diésel	3.0	2008	2012	WS266
AUDI	Q5 Quattro	Diésel	3.0	2008	2013	WS266
AUDI	Q5 Quattro	Diésel	3.0	2008	2017	WS266
AUDI	Q5 Quattro	Totalmente híbrido/gasolina	2.0	2011	2016	WS162
AUDI	Q5 Quattro	Híbrido suave/gasolina	2.0	2018		WS263
AUDI	Q7 Quattro	Gasolina	4.2	2006	2010	WS160
AUDI	Q7 Quattro	Gasolina	4.2	2006	2010	WS160
AUDI	Q7 Quattro	Diésel	3.0	2007	2012	WS266
AUDI	Q7 Quattro	Diésel	3.0	2007	2015	WS266
AUDI	Q7 Quattro	Diésel	3.0	2009	2012	WS266
AUDI	R8 Quattro	Gasolina	5.2	2009	2015	WS160
AUDI	R8 Spyder Quattro	Gasolina	5.2	2010	2015	WS160
AUDI	RS3 Sportback Quattro	Gasolina	2.5	2015	2016	WS263
AUDI	RS4 Cabrio Quattro	Gasolina	4.2	2006	2008	WS160
AUDI	RS4 Quattro	Gasolina	4.2	2005	2008	WS160
AUDI	RS4 Quattro	Gasolina	4.2	2006	2008	WS160
AUDI	RS4 Quattro	Gasolina	4.2	2012	2015	WS160
AUDI	RS5 Cabrio Quattro	Gasolina	4.2	2012	2015	WS160
AUDI	RS5 Quattro	Gasolina	4.2	2010	2017	WS160
AUDI	S1 Quattro	Gasolina	2.0	2014	2018	WS263
AUDI	S1 Sportback Quattro	Gasolina	2.0	2014	2018	WS263
AUDI	S3 Cabrio Quattro	Gasolina	2.0	2014		WS263
AUDI	S3 Cabrio Quattro	Gasolina	2.0	2014	2016	WS263
AUDI	S3 Cabrio Quattro	Gasolina	2.0	2016		WS263
AUDI	S3 Cabrio Quattro	Gasolina	2.0	2016		WS263
AUDI	S3 Quattro	Gasolina	1.8	1998	2002	WS143
AUDI	S3 Quattro	Gasolina	1.8	2001	2003	WS143
AUDI	S3 Quattro	Gasolina	2.0	2006	2012	WS176
AUDI	S3 Quattro	Gasolina	2.0	2007	2012	WS176
AUDI	S3 Quattro	Gasolina	2.0	2012	2014	WS263
AUDI	S3 Quattro	Gasolina	2.0	2012	2016	WS263
AUDI	S3 Quattro	Gasolina	2.0	2013		WS263
AUDI	S3 Quattro	Gasolina	2.0	2013	2014	WS263
AUDI	S3 Quattro	Gasolina	2.0	2014	2016	WS263
AUDI	S3 Quattro	Gasolina	2.0	2014	2016	WS263
AUDI	S3 Quattro	Gasolina	2.0	2016		WS263
AUDI	S3 Quattro	Gasolina	2.0	2016		WS263
AUDI	S3 Quattro	Gasolina	2.0	2016		WS263
AUDI	S3 Sportback Quattro	Gasolina	2.0	2008	2013	WS176
AUDI	S3 Sportback Quattro	Gasolina	2.0	2008	2013	WS176
AUDI	S3 Sportback Quattro	Gasolina	2.0	2012	2014	WS263
AUDI	S3 Sportback Quattro	Gasolina	2.0	2013		WS263
AUDI	S3 Sportback Quattro	Gasolina	2.0	2014	2016	WS263
AUDI	S3 Sportback Quattro	Gasolina	2.0	2016		WS263
AUDI	S3 Sportback Quattro	Gasolina	2.0	2016		WS263
AUDI	S5 Quattro	Gasolina	4.2	2007	2012	WS160
AUDI	S6 Quattro	Gasolina	5.2	2006	2011	WS160
AUDI	S6 Quattro	Gasolina	5.2	2006	2011	WS160
AUDI	S8 Quattro	Gasolina	5.2	2006	2010	WS160
AUDI	TT	Gasolina	1.8	1998	2006	WS143
AUDI	TT	Gasolina	1.8	1998	2006	WS143
AUDI	TT	Gasolina	1.8	2001	2006	WS143
AUDI	TT	Gasolina	1.8	2002	2006	WS143
AUDI	TT	Gasolina	1.8	2005	2006	WS143

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
AUDI	TT	Gasolina	1.8	2005	2006	WS143
AUDI	TT	Gasolina	1.8	2005	2006	WS143
AUDI	TT	Gasolina	1.8	2005	2006	WS143
AUDI	TT	Gasolina	1.8	2008	2014	WS162
AUDI	TT	Gasolina	1.8	2008	2014	WS162
AUDI	TT	Gasolina	2.0	2006	2010	WS162
AUDI	TT	Gasolina	2.0	2007	2010	WS162
AUDI	TT	Gasolina	2.0	2010	2014	WS162
AUDI	TT	Gasolina	2.0	2010	2014	WS162
AUDI	TT	Gasolina	2.0	2018		WS263
AUDI	TT	Gasolina	2.0	2018		WS263
AUDI	TT	Gasolina	2.0	2018		WS263
AUDI	TT	Gasolina	2.0	2018		WS263
AUDI	TT Quattro	Gasolina	1.8	1998	2006	WS143
AUDI	TT Quattro	Gasolina	1.8	1998	2006	WS143
AUDI	TT Quattro	Gasolina	1.8	1998	2006	WS143
AUDI	TT Quattro	Gasolina	1.8	1998	2006	WS143
AUDI	TT Quattro	Gasolina	1.8	2005	2006	WS143
AUDI	TT Quattro	Gasolina	1.8	2005	2006	WS143
AUDI	TT Quattro	Gasolina	1.8	2005	2006	WS143
AUDI	TT Quattro	Gasolina	2.0	2008	2010	WS162
AUDI	TT Quattro	Gasolina	2.0	2008	2010	WS162
AUDI	TT Quattro	Gasolina	2.0	2010	2014	WS162
AUDI	TT Quattro	Gasolina	2.0	2010	2014	WS162
AUDI	TT Quattro	Gasolina	2.0	2015		WS263
AUDI	TT Quattro	Gasolina	2.0	2018		WS263
AUDI	TT Quattro	Gasolina	2.0	2018		WS263
AUDI	TTS Quattro	Gasolina	2.0	2008	2014	WS176
AUDI	TTS Quattro	Gasolina	2.0	2008	2014	WS176
AUDI	TTS Quattro	Gasolina	2.0	2014		WS263
AUDI	TTS Quattro	Gasolina	2.0	2014		WS263
AUDI	TTS Quattro	Gasolina	2.0	2015		WS263
AUDI	TTS Quattro	Gasolina	2.0	2015		WS263
AUDI	TTS Quattro	Gasolina	2.0	2015		WS263
BMW						
BMW	114i	Gasolina	1.6	2011		WS173
BMW	114i	Gasolina	1.6	2012	2015	WS173
BMW	116i	Gasolina	1.5	2015		WS229
BMW	116i	Gasolina	1.5	2015	2019	WS229
BMW	116i	Gasolina	1.6	2004	2011	WS172
BMW	116i	Gasolina	1.6	2007	2011	WS172
BMW	116i	Gasolina	1.6	2011	2015	WS173
BMW	116i	Gasolina	1.6	2011	2015	WS173
BMW	118i	Gasolina	1.5	2015		WS229
BMW	118i	Gasolina	1.5	2015	2019	WS229
BMW	118i	Gasolina	1.5	2015	2019	WS229
BMW	118i	Gasolina	1.5	2019		WS229
BMW	118i	Gasolina	1.6	2011		WS173
BMW	118i	Gasolina	1.6	2011	2015	WS173
BMW	118i	Gasolina	1.6	2015		WS173
BMW	118i	Gasolina	1.6	2015	2015	WS173
BMW	118i	Gasolina	2.0	2004	2008	WS172
BMW	118i	Gasolina	2.0	2004	2008	WS172
BMW	118i	Gasolina	2.0	2006	2011	WS172
BMW	118i	Gasolina	2.0	2006	2012	WS172
BMW	118i Cabrio	Gasolina	2.0	2008	2013	WS172
BMW	120i	Gasolina	1.6	2015		WS173
BMW	120i	Gasolina	2.0	2004	2007	WS172
BMW	120i	Gasolina	2.0	2007	2011	WS172
BMW	120i	Gasolina	2.0	2007	2011	WS172

AUDI

BMW

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



BMW

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
BMW	120i	Gasolina	2.0	2016		WS229
BMW	120i	Gasolina	2.0	2016	2019	WS229
BMW	120i	Gasolina	2.0	2016	2019	WS229
BMW	120i Cabrio	Gasolina	2.0	2008	2013	WS172
BMW	120i Coupé	Gasolina	2.0	2009	2013	WS172
BMW	125i	Gasolina	2.0	2015		WS229
BMW	125i	Gasolina	2.0	2016	2019	WS229
BMW	125i Cabrio	Gasolina	3.0	2007	2013	WS177
BMW	125i Coupé	Gasolina	3.0	2008	2013	WS177
BMW	130i	Gasolina	3.0	2005	2012	WS177
BMW	130i	Gasolina	3.0	2005	2007	WS177
BMW	130i	Gasolina	3.0	2007	2011	WS177
BMW	130i	Gasolina	3.0	2007	2012	WS177
BMW	135i Cabrio	Gasolina	3.0	2008	2013	WS177
BMW	135i Coupé	Gasolina	3.0	2007		WS177
BMW	216i Active Tourer	Gasolina	1.5	2015	2018	WS229
BMW	216i Active Tourer	Gasolina	1.5	2018		WS229
BMW	216i Gran Tourer	Gasolina	1.5	2015	2018	WS229
BMW	216i Gran Tourer	Gasolina	1.5	2018		WS229
BMW	218i Active Tourer	Gasolina	1.5	2014		WS229
BMW	218i Active Tourer	Gasolina	1.5	2018		WS229
BMW	218i Active Tourer	Gasolina	1.5	2018		WS229
BMW	218i Cabrio	Gasolina	1.5	2015		WS229
BMW	218i Coupé	Gasolina	1.5	2015		WS229
BMW	218i Gran Coupé	Gasolina	1.5	2019		WS229
BMW	218i Gran Tourer	Gasolina	1.5	2015		WS229
BMW	218i Gran Tourer	Gasolina	1.5	2017		WS229
BMW	218i Gran Tourer	Gasolina	1.5	2017		WS229
BMW	220i Active Tourer	Gasolina	2.0	2014		WS229
BMW	220i Active Tourer	Gasolina	2.0	2014		WS229
BMW	220i Cabrio	Gasolina	2.0	2015		WS229
BMW	220i Coupé	Gasolina	2.0	2015		WS229
BMW	220i Gran Tourer	Gasolina	2.0	2015		WS229
BMW	220i Gran Tourer	Gasolina	2.0	2015		WS229
BMW	225e xDrive Active Tourer	Hibrido enchufable/gasolina	1.5	2016		WS229
BMW	225i Active Tourer	Gasolina	2.0	2014		WS229
BMW	225i xDrive Active Tourer	Gasolina	2.0	2014		WS229
BMW	230i Cabrio	Gasolina	2.0	2016		WS229
BMW	230i Coupé	Gasolina	2.0	2016		WS229
BMW	316i	Gasolina	1.6	2002	2005	WS172
BMW	316i	Gasolina	1.6	2005	2011	WS172
BMW	316i	Gasolina	1.6	2012	2016	WS173
BMW	316i	Gasolina	1.8	2001	2005	WS172
BMW	316i Compact	Gasolina	1.6	2002	2005	WS172
BMW	316i Compact	Gasolina	1.6	2002	2005	WS172
BMW	316i Compact	Gasolina	1.8	2001	2005	WS172
BMW	316i Coupé	Gasolina	1.6	2002	2006	WS172
BMW	316i Touring	Gasolina	1.6	2013	2015	WS173
BMW	316i Touring	Gasolina	1.8	2001	2005	WS172
BMW	318i	Gasolina	1.5	2015	2018	WS229
BMW	318i	Gasolina	2.0	2001	2005	WS172
BMW	318i	Gasolina	2.0	2001	2005	WS172
BMW	318i	Gasolina	2.0	2005	2007	WS172
BMW	318i	Gasolina	2.0	2007	2011	WS172
BMW	318i Cabrio	Gasolina	2.0	2001	2006	WS172
BMW	318i Cabrio	Gasolina	2.0	2001	2006	WS172
BMW	318i Cabrio	Gasolina	2.0	2004	2006	WS172
BMW	318i Compact	Gasolina	2.0	2001	2004	WS172
BMW	318i Compact	Gasolina	2.0	2001	2005	WS172
BMW	318i Coupé	Gasolina	2.0	2001	2004	WS172

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
BMW	318i Coupé	Gasolina	2.0	2003	2004	WS172
BMW	318i Coupé	Gasolina	2.0	2004	2006	WS172
BMW	318i Touring	Gasolina	1.5	2015	2019	WS229
BMW	318i Touring	Gasolina	2.0	2001	2005	WS172
BMW	318i Touring	Gasolina	2.0	2006	2007	WS172
BMW	320i	Gasolina	1.6	2012	2016	WS173
BMW	320i	Gasolina	1.6	2019		WS229
BMW	320i	Gasolina	2.0	1998	2000	WS215
BMW	320i	Gasolina	2.0	2004	2007	WS172
BMW	320i	Gasolina	2.0	2005	2006	WS172
BMW	320i	Gasolina	2.0	2007	2011	WS172
BMW	320i	Gasolina	2.0	2015	2018	WS229
BMW	320i	Gasolina	2.0	2019		WS229
BMW	320i	Gasolina	2.2	2000	2005	WS215
BMW	320i	Gasolina	2.2	2000	2005	WS215
BMW	320i Cabrio	Gasolina	2.0	2007	2013	WS172
BMW	320i Cabrio	Gasolina	2.2	2000	2007	WS215
BMW	320i Cabrio	Gasolina	2.2	2000	2007	WS215
BMW	320i Coupé	Gasolina	2.0	1999	2000	WS215
BMW	320i Coupé	Gasolina	2.0	2007	2013	WS172
BMW	320i Coupé	Gasolina	2.2	2000	2006	WS215
BMW	320i Coupé	Gasolina	2.2	2001	2003	WS215
BMW	320i Gran Turismo	Gasolina	2.0	2016		WS229
BMW	320i Gran Turismo	Gasolina	2.0	2016		WS229
BMW	320i Touring	Gasolina	2.0	1999	2000	WS215
BMW	320i Touring	Gasolina	2.0	2005	2012	WS172
BMW	320i Touring	Gasolina	2.0	2015	2019	WS229
BMW	320i Touring	Gasolina	2.0	2019		WS229
BMW	320i Touring	Gasolina	2.0	2019		WS229
BMW	320i Touring	Gasolina	2.2	2000	2005	WS215
BMW	320i Touring	Gasolina	2.2	2000	2005	WS215
BMW	320i xDrive	Gasolina	2.0	2015	2018	WS229
BMW	320i xDrive	Gasolina	2.0	2019		WS229
BMW	320i xDrive Gran Turismo	Gasolina	2.0	2016		WS229
BMW	320i xDrive Gran Turismo	Gasolina	2.0	2016		WS229
BMW	320i xDrive Touring	Gasolina	2.0	2015	2019	WS229
BMW	323i	Gasolina	2.5	1998	2000	WS215
BMW	323i	Gasolina	2.5	1998	2000	WS215
BMW	323i	Gasolina	2.5	2005	2007	WS177
BMW	323i	Gasolina	2.5	2006	2011	WS177
BMW	323i Cabrio	Gasolina	2.5	1998	2000	WS215
BMW	323i Cabrio	Gasolina	2.5	2000	2000	WS215
BMW	323i Cabrio	Gasolina	2.5	2010	2011	WS177
BMW	323i Coupé	Gasolina	2.5	1999	2000	WS215
BMW	323i Coupé	Gasolina	2.5	1999	2000	WS215
BMW	323i Coupé	Gasolina	2.5	2008	2011	WS177
BMW	323i Touring	Gasolina	2.5	1999	2000	WS215
BMW	323i Touring	Gasolina	2.5	2006	2007	WS177
BMW	323i Touring	Gasolina	2.5	2006	2008	WS177
BMW	325i	Gasolina	2.5	2000	2005	WS215
BMW	325i	Gasolina	2.5	2000	2005	WS215
BMW	325i	Gasolina	2.5	2001	2005	WS215
BMW	325i	Gasolina	2.5	2004	2011	WS177
BMW	325i	Gasolina	2.5	2005	2008	WS177
BMW	325i	Gasolina	2.5	2006	2007	WS177
BMW	325i	Gasolina	3.0	2006	2011	WS177
BMW	325i	Gasolina	3.0	2007	2011	WS177
BMW	325i	Gasolina	3.0	2007	2008	WS177
BMW	325i Cabrio	Gasolina	2.5	2000	2006	WS215
BMW	325i Cabrio	Gasolina	2.5	2006	2010	WS177

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



BMW

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
BMW	325i Cabrio	Gasolina	3.0	2006	2013	WS177
BMW	325i Cabrio	Gasolina	3.0	2007	2013	WS177
BMW	325i Compact	Gasolina	2.5	2001	2004	WS215
BMW	325i Coupé	Gasolina	2.5	2000	2006	WS215
BMW	325i Coupé	Gasolina	2.5	2006	2010	WS177
BMW	325i Coupé	Gasolina	2.5	2006	2010	WS177
BMW	325i Coupé	Gasolina	2.5	2010	2013	WS177
BMW	325i Coupé	Gasolina	2.5	2010	2013	WS177
BMW	325i Coupé	Gasolina	3.0	2007	2008	WS177
BMW	325i Coupé	Gasolina	3.0	2007	2010	WS177
BMW	325i Coupé	Gasolina	3.0	2007	2013	WS177
BMW	325i Coupé	Gasolina	3.0	2010	2013	WS177
BMW	325i Touring	Gasolina	2.5	2000	2005	WS215
BMW	325i Touring	Gasolina	2.5	2000	2005	WS215
BMW	325i Touring	Gasolina	2.5	2004	2008	WS177
BMW	325i Touring	Gasolina	2.5	2005	2008	WS177
BMW	325i Touring	Gasolina	2.5	2005	2010	WS177
BMW	325i Touring	Gasolina	3.0	2006	2008	WS177
BMW	325i Touring	Gasolina	3.0	2007	2012	WS177
BMW	325i Touring	Gasolina	3.0	2007	2012	WS177
BMW	325i Touring	Gasolina	3.0	2007	2008	WS177
BMW	325i xDrive	Gasolina	2.5	2008	2011	WS177
BMW	325i xDrive	Gasolina	3.0	2008	2011	WS177
BMW	325i xDrive	Gasolina	3.0	2008	2011	WS177
BMW	325i xDrive Coupé	Gasolina	2.5	2006	2012	WS177
BMW	325i xDrive Coupé	Gasolina	2.5	2010	2013	WS177
BMW	325i xDrive Coupé	Gasolina	3.0	2008	2013	WS177
BMW	325i xDrive Coupé	Gasolina	3.0	2008	2013	WS177
BMW	325i xDrive Touring	Gasolina	2.5	2004	2008	WS177
BMW	325i xDrive Touring	Gasolina	3.0	2008	2012	WS177
BMW	325i xDrive Touring	Gasolina	3.0	2008	2012	WS177
BMW	328i	Gasolina	2.8	1997	2000	WS215
BMW	328i	Gasolina	3.0	2006	2011	WS177
BMW	328i Coupé	Gasolina	2.8	1998	2000	WS215
BMW	328i Coupé	Gasolina	3.0	2006	2013	WS177
BMW	328i Coupé	Gasolina	3.0	2006	2008	WS177
BMW	328i Touring	Gasolina	2.8	1999	2000	WS215
BMW	330e	Hibrido enchufable/gasolina	2.0	2015	2018	WS229
BMW	330e	Hibrido enchufable/gasolina	2.0	2019		WS229
BMW	330e Touring	Hibrido enchufable/gasolina	2.0	2020		WS229
BMW	330e Touring	Hibrido enchufable/gasolina	2.0	2020		WS229
BMW	330e xDrive	Hibrido enchufable/gasolina	2.0	2020		WS229
BMW	330e xDrive Touring	Hibrido enchufable/gasolina	2.0	2020		WS229
BMW	330i	Gasolina	2.0	2015	2018	WS229
BMW	330i	Gasolina	2.0	2018		WS229
BMW	330i	Gasolina	3.0	2000	2005	WS215
BMW	330i	Gasolina	3.0	2000	2005	WS215
BMW	330i	Gasolina	3.0	2001	2005	WS215
BMW	330i	Gasolina	3.0	2004	2011	WS177
BMW	330i	Gasolina	3.0	2005	2007	WS177
BMW	330i	Gasolina	3.0	2007	2008	WS177
BMW	330i	Gasolina	3.0	2007	2011	WS177
BMW	330i Cabrio	Gasolina	3.0	2000	2006	WS215
BMW	330i Cabrio	Gasolina	3.0	2007	2013	WS177
BMW	330i Cabrio	Gasolina	3.0	2010	2013	WS177
BMW	330i Coupé	Gasolina	3.0	2000	2006	WS215
BMW	330i Coupé	Gasolina	3.0	2006	2008	WS177
BMW	330i Coupé	Gasolina	3.0	2006	2010	WS177
BMW	330i Coupé	Gasolina	3.0	2006	2013	WS177
BMW	330i Coupé	Gasolina	3.0	2010	2013	WS177

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
BMW	330i Gran Turismo	Gasolina	2.0	2016		WS229
BMW	330i Touring	Gasolina	2.0	2015	2019	WS229
BMW	330i Touring	Gasolina	2.0	2015	2019	WS229
BMW	330i Touring	Gasolina	2.0	2019		WS229
BMW	330i Touring	Gasolina	2.0	2019		WS229
BMW	330i Touring	Gasolina	3.0	2000	2005	WS215
BMW	330i Touring	Gasolina	3.0	2000	2005	WS215
BMW	330i Touring	Gasolina	3.0	2005	2007	WS177
BMW	330i Touring	Gasolina	3.0	2005	2007	WS177
BMW	330i Touring	Gasolina	3.0	2007	2012	WS177
BMW	330i Touring	Gasolina	3.0	2007	2012	WS177
BMW	330i xDrive	Gasolina	2.0	2015	2018	WS229
BMW	330i xDrive	Gasolina	2.0	2018		WS229
BMW	330i xDrive	Gasolina	3.0	2008	2011	WS177
BMW	330i xDrive Coupé	Gasolina	3.0	2008		WS177
BMW	330i xDrive Gran Turismo	Gasolina	2.0	2016		WS229
BMW	330i xDrive Gran Turismo	Gasolina	2.0	2016		WS229
BMW	330i xDrive Touring	Gasolina	2.0	2015	2019	WS229
BMW	330i xDrive Touring	Gasolina	2.0	2019		WS229
BMW	330i xDrive Touring	Gasolina	3.0	2007	2012	WS177
BMW	335i	Gasolina	3.0	2006	2011	WS177
BMW	335i	Gasolina	3.0	2006	2011	WS177
BMW	335i	Gasolina	3.0	2006	2011	WS177
BMW	335i	Gasolina	3.0	2007	2011	WS177
BMW	335i Cabrio	Gasolina	3.0	2006	2013	WS177
BMW	335i Cabrio	Gasolina	3.0	2006	2013	WS177
BMW	335i Coupé	Gasolina	3.0	2006	2013	WS177
BMW	335i Coupé	Gasolina	3.0	2006	2013	WS177
BMW	335i Coupé	Gasolina	3.0	2007	2008	WS177
BMW	335i Touring	Gasolina	3.0	2006	2008	WS177
BMW	335i Touring	Gasolina	3.0	2006	2012	WS177
BMW	335i Touring	Gasolina	3.0	2006	2012	WS177
BMW	335i Touring	Gasolina	3.0	2007	2008	WS177
BMW	335i xDrive	Gasolina	3.0	2006	2011	WS177
BMW	335i xDrive	Gasolina	3.0	2008	2011	WS177
BMW	335i xDrive	Gasolina	3.0	2009	2012	WS177
BMW	335i xDrive Coupé	Gasolina	3.0	2007	2013	WS177
BMW	335i xDrive Coupé	Gasolina	3.0	2008		WS177
BMW	335i xDrive Touring	Gasolina	3.0	2008	2012	WS177
BMW	335i xDrive Touring	Gasolina	3.0	2008	2012	WS177
BMW	340i	Gasolina	3.0	2015	2018	WS229
BMW	340i	Gasolina	3.0	2015	2018	WS229
BMW	340i Gran Turismo	Gasolina	3.0	2016		WS229
BMW	340i Gran Turismo	Gasolina	3.0	2016		WS229
BMW	340i Touring	Gasolina	3.0	2015	2019	WS229
BMW	340i Touring	Gasolina	3.0	2015	2019	WS229
BMW	340i Touring	Gasolina	3.0	2015	2019	WS229
BMW	340i xDrive	Gasolina	3.0	2015	2018	WS229
BMW	340i xDrive	Gasolina	3.0	2015	2018	WS229
BMW	340i xDrive Gran Turismo	Gasolina	3.0	2016		WS229
BMW	340i xDrive Gran Turismo	Gasolina	3.0	2016		WS229
BMW	340i xDrive Touring	Gasolina	3.0	2015	2019	WS229
BMW	340i xDrive Touring	Gasolina	3.0	2015	2019	WS229
BMW	418i Coupé	Gasolina	1.5	2016		WS229
BMW	418i Gran Coupé	Gasolina	1.5	2015		WS229
BMW	420i Cabrio	Gasolina	2.0	2016		WS229
BMW	420i Cabrio	Gasolina	2.0	2016		WS229
BMW	420i Coupé	Gasolina	2.0	2016		WS229
BMW	420i Coupé	Gasolina	2.0	2016		WS229
BMW	420i Gran Coupé	Gasolina	2.0	2016		WS229

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



BMW

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
BMW	420i Gran Coupé	Gasolina	2.0	2016		WVS229
BMW	420i xDrive Coupé	Gasolina	2.0	2016		WVS229
BMW	420i xDrive Coupé	Gasolina	2.0	2016		WVS229
BMW	420i xDrive Gran Coupé	Gasolina	2.0	2016		WVS229
BMW	420i xDrive Gran Coupé	Gasolina	2.0	2016		WVS229
BMW	430i Cabrio	Gasolina	2.0	2016		WVS229
BMW	430i Coupé	Gasolina	2.0	2016		WVS229
BMW	430i Coupé	Gasolina	2.0	2016		WVS229
BMW	430i Gran Coupé	Gasolina	2.0	2016		WVS229
BMW	430i xDrive Cabrio	Gasolina	2.0	2016		WVS229
BMW	430i xDrive Coupé	Gasolina	2.0	2016		WVS229
BMW	430i xDrive Coupé	Gasolina	2.0	2016		WVS229
BMW	430i xDrive Gran Coupé	Gasolina	2.0	2016		WVS229
BMW	430i xDrive Gran Coupé	Gasolina	2.0	2016		WVS229
BMW	440i Cabrio	Gasolina	3.0	2016		WVS229
BMW	440i Cabrio	Gasolina	3.0	2016		WVS229
BMW	440i Coupé	Gasolina	3.0	2016		WVS229
BMW	440i Coupé	Gasolina	3.0	2016		WVS229
BMW	440i Gran Coupé	Gasolina	3.0	2016		WVS229
BMW	440i Gran Coupé	Gasolina	3.0	2016		WVS229
BMW	440i xDrive Cabrio	Gasolina	3.0	2016		WVS229
BMW	440i xDrive Cabrio	Gasolina	3.0	2016		WVS229
BMW	440i xDrive Coupé	Gasolina	3.0	2016		WVS229
BMW	440i xDrive Coupé	Gasolina	3.0	2016		WVS229
BMW	440i xDrive Gran Coupé	Gasolina	3.0	2016		WVS229
BMW	440i xDrive Gran Coupé	Gasolina	3.0	2016		WVS229
BMW	520i	Gasolina	1.6	2017		WVS229
BMW	520i	Gasolina	2.0	2007	2010	WVS172
BMW	520i	Gasolina	2.0	2017	2020	WVS229
BMW	520i	Gasolina	2.0	2017	2020	WVS229
BMW	520i	Gasolina	2.0	2017	2020	WVS229
BMW	520i	Gasolina	2.2	2000	2003	WVS215
BMW	520i	Gasolina	2.2	2000	2003	WVS215
BMW	520i	Gasolina	2.2	2003	2005	WVS215
BMW	520i Touring	Gasolina	2.0	2017		WVS229
BMW	520i Touring	Gasolina	2.0	2017	2020	WVS229
BMW	520i Touring	Gasolina	2.0	2017	2020	WVS229
BMW	520i Touring	Gasolina	2.0	2017	2020	WVS229
BMW	520i Touring	Gasolina	2.2	2000	2003	WVS215
BMW	520i Touring	Gasolina	2.2	2000	2003	WVS215
BMW	523i	Gasolina	2.0	2017		WVS229
BMW	523i	Gasolina	2.5	2004	2007	WVS177
BMW	523i	Gasolina	2.5	2007	2009	WVS177
BMW	523i	Gasolina	2.5	2010	2011	WVS177
BMW	523i	Gasolina	3.0	2010	2011	WVS177
BMW	523i	Gasolina	3.0	2010	2011	WVS177
BMW	523i Touring	Gasolina	2.5	2004	2007	WVS177
BMW	523i Touring	Gasolina	2.5	2007	2010	WVS177
BMW	525i	Gasolina	2.5	2000	2003	WVS215
BMW	525i	Gasolina	2.5	2003	2005	WVS215
BMW	525i	Gasolina	2.5	2005	2009	WVS177
BMW	525i	Gasolina	2.5	2005	2007	WVS177
BMW	525i	Gasolina	2.5	2005	2010	WVS177
BMW	525i	Gasolina	3.0	2007	2010	WVS177
BMW	525i	Gasolina	3.0	2007	2010	WVS177
BMW	525i	Gasolina	3.0	2007	2009	WVS177
BMW	525i Touring	Gasolina	2.5	2000	2004	WVS215
BMW	525i Touring	Gasolina	2.5	2004	2005	WVS215
BMW	525i Touring	Gasolina	2.5	2004	2010	WVS177
BMW	525i Touring	Gasolina	2.5	2005	2007	WVS177

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
BMW	525i Touring	Gasolina	2.5	2005	2010	WS177
BMW	525i Touring	Gasolina	3.0	2007	2010	WS177
BMW	525i Touring	Gasolina	3.0	2007	2008	WS177
BMW	525i Touring	Gasolina	3.0	2007	2010	WS177
BMW	525i xDrive	Gasolina	3.0	2008	2010	WS177
BMW	525i xDrive Touring	Gasolina	3.0	2008	2010	WS177
BMW	528i	Gasolina	3.0	2007	2009	WS177
BMW	528i	Gasolina	3.0	2009	2011	WS177
BMW	528i	Gasolina	3.0	2010	2012	WS177
BMW	530e	Hibrido enchufable/gasolina	2.0	2017		WS229
BMW	530e	Hibrido enchufable/gasolina	2.0	2019		WS229
BMW	530e Touring	Hibrido enchufable/gasolina	2.0	2020		WS229
BMW	530e Touring	Hibrido enchufable/gasolina	2.0	2020		WS229
BMW	530e xDrive	Hibrido enchufable/gasolina	2.0	2017		WS229
BMW	530e xDrive	Hibrido enchufable/gasolina	2.0	2019		WS229
BMW	530e xDrive Touring	Hibrido enchufable/gasolina	2.0	2020		WS229
BMW	530e xDrive Touring	Hibrido enchufable/gasolina	2.0	2020		WS229
BMW	530i	Gasolina	2.0	2016	2020	WS229
BMW	530i	Gasolina	3.0	2000	2003	WS215
BMW	530i	Gasolina	3.0	2003	2005	WS215
BMW	530i	Gasolina	3.0	2004	2007	WS177
BMW	530i	Gasolina	3.0	2005	2007	WS177
BMW	530i	Gasolina	3.0	2005	2010	WS177
BMW	530i	Gasolina	3.0	2007	2009	WS177
BMW	530i	Gasolina	3.0	2007	2009	WS177
BMW	530i	Gasolina	3.0	2010	2013	WS177
BMW	530i	Gasolina	3.0	2011	2013	WS177
BMW	530i Touring	Gasolina	2.0	2017		WS229
BMW	530i Touring	Gasolina	2.0	2017	2020	WS229
BMW	530i Touring	Gasolina	3.0	2000	2003	WS215
BMW	530i Touring	Gasolina	3.0	2004	2007	WS177
BMW	530i Touring	Gasolina	3.0	2005	2007	WS177
BMW	530i Touring	Gasolina	3.0	2006	2008	WS177
BMW	530i Touring	Gasolina	3.0	2007	2010	WS177
BMW	530i xDrive	Gasolina	2.0	2016		WS229
BMW	530i xDrive	Gasolina	2.0	2016	2020	WS229
BMW	530i xDrive	Gasolina	3.0	2008	2009	WS177
BMW	530i xDrive Touring	Gasolina	2.0	2017		WS229
BMW	530i xDrive Touring	Gasolina	2.0	2017	2020	WS229
BMW	530i xDrive Touring	Gasolina	3.0	2008	2010	WS177
BMW	535i	Gasolina	3.5	1996	1998	WS180
BMW	535i	Gasolina	3.5	1998	2003	WS180
BMW	540i	Gasolina	3.0	2016	2020	WS229
BMW	540i	Gasolina	3.0	2016	2020	WS229
BMW	540i	Gasolina	4.0	2005	2007	WS172
BMW	540i	Gasolina	4.0	2007	2009	WS172
BMW	540i	Gasolina	4.4	1996	2003	WS180
BMW	540i Touring	Gasolina	4.4	1997	2003	WS180
BMW	540i xDrive	Gasolina	3.0	2016	2020	WS229
BMW	540i xDrive	Gasolina	3.0	2016	2020	WS229
BMW	540i xDrive Touring	Gasolina	3.0	2017		WS229
BMW	540i xDrive Touring	Gasolina	3.0	2017	2020	WS229
BMW	540i xDrive Touring	Gasolina	3.0	2017	2020	WS229
BMW	545i	Gasolina	4.4	2003	2005	WS172
BMW	545i Touring	Gasolina	4.4	2004	2005	WS172
BMW	550i	Gasolina	4.8	2005	2009	WS172
BMW	550i Touring	Gasolina	4.8	2005	2011	WS172
BMW	630i Cabrio	Gasolina	3.0	2004	2007	WS177
BMW	630i Cabrio	Gasolina	3.0	2007	2010	WS177
BMW	630i Coupé	Gasolina	3.0	2004	2007	WS177

BMW

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



BMW

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
BMW	630i Coupé	Gasolina	3.0	2007	2010	WS177
BMW	630i Gran Turismo	Gasolina	2.0	2007	2020	WS229
BMW	630i Gran Turismo	Gasolina	2.0	2017	2020	WS229
BMW	630i xDrive Gran Turismo	Gasolina	3.0	2019		WS229
BMW	640i Gran Turismo	Gasolina	3.0	2017	2020	WS229
BMW	640i Gran Turismo	Gasolina	3.0	2017	2020	WS229
BMW	640i xDrive Gran Turismo	Gasolina	3.0	2017	2020	WS229
BMW	640i xDrive Gran Turismo	Gasolina	3.0	2017	2020	WS229
BMW	645i Cabrio	Gasolina	4.4	2004	2005	WS172
BMW	645i Coupé	Gasolina	4.4	2003	2005	WS172
BMW	650i Cabrio	Gasolina	4.8	2005	2010	WS172
BMW	650i Coupé	Gasolina	4.8	2005	2010	WS172
BMW	730i	Gasolina	2.0	2015		WS229
BMW	730i	Gasolina	2.0	2015	2019	WS229
BMW	730i	Gasolina	2.0	2015	2019	WS229
BMW	730i	Gasolina	2.0	2019		WS229
BMW	730i	Gasolina	2.0	2019		WS229
BMW	730i	Gasolina	3.0	2003	2005	WS215
BMW	730i	Gasolina	3.0	2003	2005	WS215
BMW	730i	Gasolina	3.0	2005	2008	WS177
BMW	730i	Gasolina	3.0	2005	2008	WS177
BMW	730i	Gasolina	3.0	2005	2008	WS177
BMW	730i	Gasolina	3.0	2009	2015	WS177
BMW	730i	Gasolina	3.0	2009	2015	WS177
BMW	730i	Gasolina	3.0	2009	2015	WS177
BMW	735i	Gasolina	3.5	1996	1998	WS180
BMW	735i	Gasolina	3.5	1998	2001	WS180
BMW	735i	Gasolina	3.6	2001	2005	WS172
BMW	735i	Gasolina	3.6	2002	2005	WS172
BMW	735i	Gasolina	4.0	2005	2008	WS172
BMW	740e	Hibrido enchufable/gasolina	2.0	2016	2019	WS229
BMW	740e	Hibrido enchufable/gasolina	2.0	2016	2019	WS229
BMW	740e xDrive	Hibrido enchufable/gasolina	2.0	2016	2019	WS229
BMW	740i	Gasolina	3.0	2008	2012	WS177
BMW	740i	Gasolina	3.0	2008	2012	WS177
BMW	740i	Gasolina	3.0	2010	2015	WS177
BMW	740i	Gasolina	3.0	2015	2019	WS229
BMW	740i	Gasolina	3.0	2015	2019	WS229
BMW	740i	Gasolina	3.0	2019		WS229
BMW	740i	Gasolina	3.0	2019		WS229
BMW	740i	Gasolina	4.0	2005	2008	WS172
BMW	740i	Gasolina	4.0	2005	2008	WS172
BMW	740i	Gasolina	4.4	1996	2001	WS180
BMW	740i xDrive	Gasolina	3.0	2016		WS229
BMW	740i xDrive	Gasolina	3.0	2019		WS229
BMW	745e	Hibrido enchufable/gasolina	3.0	2019		WS229
BMW	745e	Hibrido enchufable/gasolina	3.0	2019		WS229
BMW	745e xDrive	Hibrido enchufable/gasolina	3.0	2019		WS229
BMW	745i	Gasolina	4.4	2001	2005	WS172
BMW	745i	Gasolina	4.4	2002	2005	WS172
BMW	745i	Gasolina	4.4	2002	2008	WS172
BMW	750i	Gasolina	4.4	2015	2019	WS229
BMW	750i	Gasolina	4.4	2015	2019	WS229
BMW	750i	Gasolina	4.8	2005	2008	WS172
BMW	750i	Gasolina	4.8	2005	2008	WS172
BMW	750i xDrive	Gasolina	4.4	2015	2019	WS229
BMW	750i xDrive	Gasolina	4.4	2015	2019	WS229
BMW	750i xDrive	Gasolina	4.4	2019		WS229
BMW	750i xDrive	Gasolina	4.4	2019		WS229
BMW	760i	Gasolina	6.0	2002	2008	WS172

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
BMW	760i	Gasolina	6.0	2003	2008	WS172
BMW	760i	Gasolina	6.0	2003	2008	WS172
BMW	760i	Gasolina	6.0	2003	2005	WS172
BMW	760i	Gasolina	6.0	2003	2005	WS172
BMW	840i Cabrio	Gasolina	3.0	2019	2020	WS229
BMW	840i Coupé	Gasolina	3.0	2019		WS229
BMW	840i Gran Coupé	Gasolina	3.0	2019	2020	WS229
BMW	840i xDrive Cabrio	Gasolina	3.0	2019	2020	WS229
BMW	840i xDrive Coupé	Gasolina	3.0	2019	2020	WS229
BMW	840i xDrive Gran Coupé	Gasolina	3.0	2019		WS229
BMW	i8	Hibrido enchufable/gasolina	1.5	2014	2020	WS229
BMW	i8	Hibrido enchufable/gasolina	1.5	2018	2020	WS229
BMW	M Coupé	Gasolina	3.0	2011	2012	WS177
BMW	M135i xDrive	Gasolina	2.0	2019		WS229
BMW	M140i	Gasolina	3.0	2015		WS229
BMW	M140i	Gasolina	3.0	2016	2019	WS229
BMW	M140i	Gasolina	3.0	2016	2019	WS229
BMW	M140i xDrive	Gasolina	3.0	2015		WS229
BMW	M140i xDrive	Gasolina	3.0	2016	2019	WS229
BMW	M235i xDrive Gran Coupé	Gasolina	2.0	2019		WS229
BMW	M240i Cabrio	Gasolina	3.0	2015		WS229
BMW	M240i Coupé	Gasolina	3.0	2015		WS229
BMW	M240i xDrive Cabrio	Gasolina	3.0	2015		WS229
BMW	M240i xDrive Coupé	Gasolina	3.0	2015		WS229
BMW	M340i	Gasolina	3.0	2019		WS229
BMW	M340i xDrive	Gasolina	3.0	2019		WS229
BMW	M340i xDrive	Gasolina	3.0	2019		WS229
BMW	M5	Gasolina	4.4	2017		WS229
BMW	M5	Gasolina	4.4	2018		WS229
BMW	M550i xDrive	Gasolina	4.4	2017	2019	WS229
BMW	M550i xDrive	Gasolina	4.4	2019		WS229
BMW	M8 Cabrio	Gasolina	4.4	2019		WS229
BMW	M8 Cabrio	Gasolina	4.4	2019		WS229
BMW	M8 Coupé	Gasolina	4.4	2019		WS229
BMW	M8 Coupé	Gasolina	4.4	2019		WS229
BMW	M8 Gran Coupé	Gasolina	4.4	2019		WS229
BMW	M8 Gran Coupé	Gasolina	4.4	2019		WS229
BMW	M850i xDrive Cabrio	Gasolina	4.4	2019		WS229
BMW	M850i xDrive Coupé	Gasolina	4.4	2018		WS229
BMW	M850i xDrive Gran Coupé	Gasolina	4.4	2019		WS229
BMW	X1 sDrive 18i	Gasolina	1.5	2015	2018	WS229
BMW	X1 sDrive 18i	Gasolina	1.5	2017		WS229
BMW	X1 sDrive 18i	Gasolina	1.5	2017		WS229
BMW	X1 sDrive 18i	Gasolina	2.0	2010	2015	WS172
BMW	X1 sDrive 18i	Gasolina	2.0	2010	2015	WS172
BMW	X1 sDrive 20i	Gasolina	2.0	2015		WS229
BMW	X1 sDrive 20i	Gasolina	2.0	2017		WS229
BMW	X1 xDrive 20i	Gasolina	2.0	2015		WS229
BMW	X1 xDrive 25e	Hibrido enchufable/gasolina	1.5	2020		WS229
BMW	X1 xDrive 25i	Gasolina	2.0	2015		WS229
BMW	X1 xDrive 25i	Gasolina	3.0	2010	2011	WS177
BMW	X1 xDrive 28i	Gasolina	3.0	2009	2011	WS177
BMW	X1 xDrive 28i	Gasolina	3.0	2010	2011	WS177
BMW	X2 sDrive 18i	Gasolina	1.5	2018		WS229
BMW	X2 sDrive 18i	Gasolina	1.5	2018		WS229
BMW	X2 sDrive 20i	Gasolina	2.0	2017		WS229
BMW	X2 sDrive 20i	Gasolina	2.0	2020		WS229
BMW	X2 xDrive 20i	Gasolina	2.0	2018	2020	WS229
BMW	X2 xDrive 20i	Gasolina	2.0	2020		WS229
BMW	X2 xDrive M35i	Gasolina	2.0	2018		WS229

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



BMW

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
BMW	X3	Gasolina	2.0	2005	2008	WS172
BMW	X3	Gasolina	2.5	2004	2006	WS215
BMW	X3	Gasolina	2.5	2006	2008	WS177
BMW	X3	Gasolina	2.5	2006	2008	WS177
BMW	X3	Gasolina	3.0	2003	2006	WS215
BMW	X3	Gasolina	3.0	2006	2008	WS177
BMW	X3	Gasolina	3.0	2007	2008	WS177
BMW	X3 M	Gasolina	3.0	2019		WS229
BMW	X3 M	Gasolina	3.0	2019		WS229
BMW	X3 sDrive 20i	Gasolina	1.6	2017		WS229
BMW	X3 sDrive 20i	Gasolina	2.0	2017		WS229
BMW	X3 xDrive 20i	Gasolina	2.0	2008	2011	WS172
BMW	X3 xDrive 20i	Gasolina	2.0	2017		WS229
BMW	X3 xDrive 20i	Gasolina	2.0	2017		WS229
BMW	X3 xDrive 25i	Gasolina	2.5	2008	2010	WS177
BMW	X3 xDrive 25i	Gasolina	2.5	2008	2010	WS177
BMW	X3 xDrive 28i	Gasolina	3.0	2011	2012	WS177
BMW	X3 xDrive 30e	Hibrido enchufable/gasolina	2.0	2019		WS229
BMW	X3 xDrive 30e	Hibrido enchufable/gasolina	2.0	2019		WS229
BMW	X3 xDrive 30i	Gasolina	2.0	2017		WS229
BMW	X3 xDrive 30i	Gasolina	2.0	2017		WS229
BMW	X3 xDrive 30i	Gasolina	2.0	2017		WS229
BMW	X3 xDrive 30i	Gasolina	3.0	2008	2010	WS177
BMW	X3 xDrive 30i	Gasolina	3.0	2009	2010	WS177
BMW	X3 xDrive M40i	Gasolina	3.0	2017	2019	WS229
BMW	X3 xDrive M40i	Gasolina	3.0	2017	2019	WS229
BMW	X3 xDrive M40i	Gasolina	3.0	2018	2019	WS229
BMW	X3 xDrive M40i	Gasolina	3.0	2019		WS229
BMW	X3 xDrive M40i	Gasolina	3.0	2019		WS229
BMW	X4 M	Gasolina	3.0	2019		WS229
BMW	X4 M	Gasolina	3.0	2019		WS229
BMW	X4 xDrive 20i	Gasolina	2.0	2018		WS229
BMW	X4 xDrive 30i	Gasolina	2.0	2018		WS229
BMW	X4 xDrive 30i	Gasolina	2.0	2018		WS229
BMW	X4 xDrive M40i	Gasolina	3.0	2018	2019	WS229
BMW	X4 xDrive M40i	Gasolina	3.0	2018	2019	WS229
BMW	X5	Gasolina	3.0	2000	2006	WS215
BMW	X5	Gasolina	3.0	2006	2008	WS177
BMW	X5	Gasolina	4.4	2000	2003	WS180
BMW	X5	Gasolina	4.4	2003	2006	WS172
BMW	X5	Gasolina	4.6	2001	2003	WS180
BMW	X5	Gasolina	4.8	2004	2006	WS172
BMW	X5	Gasolina	4.8	2006	2008	WS172
BMW	X5 M50i xDrive	Gasolina	4.4	2019		WS229
BMW	X5 xDrive 30i	Gasolina	3.0	2007	2010	WS177
BMW	X5 xDrive 30i	Gasolina	3.0	2008	2010	WS177
BMW	X5 xDrive 40i	Gasolina	3.0	2018		WS229
BMW	X5 xDrive 40i	Gasolina	3.0	2019		WS229
BMW	X5 xDrive 45e	Hibrido enchufable/gasolina	3.0	2019		WS229
BMW	X5 xDrive 45e	Hibrido enchufable/gasolina	3.0	2019		WS229
BMW	X5 xDrive 48i	Gasolina	4.8	2008	2010	WS172
BMW	X5 xDrive 50i	Gasolina	4.4	2018		WS229
BMW	X6 xDrive 35i	Gasolina	3.0	2008	2014	WS177
BMW	X6 xDrive 35i	Gasolina	3.0	2008	2014	WS177
BMW	X6 xDrive 35i	Gasolina	3.0	2009	2010	WS177
BMW	X6 xDrive 40i	Gasolina	3.0	2019		WS229
BMW	X6 xDrive M50i	Gasolina	4.4	2019		WS229
BMW	X7 xDrive 40i	Gasolina	3.0	2019		WS229
BMW	X7 xDrive M50i	Gasolina	4.4	2019		WS229
BMW	Z3 Cabrio	Gasolina	2.0	1998	2000	WS215

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
BMW	Z3 Cabrio	Gasolina	2.2	2000	2003	WS215
BMW	Z3 Cabrio	Gasolina	2.2	2000	2002	WS215
BMW	Z3 Cabrio	Gasolina	2.8	1996	2000	WS215
BMW	Z3 Cabrio	Gasolina	3.0	2000	2002	WS215
BMW	Z3 Coupé	Gasolina	3.0	2000	2002	WS215
BMW	Z4 Cabrio	Gasolina	2.0	2005	2009	WS172
BMW	Z4 Cabrio	Gasolina	2.2	2003	2005	WS215
BMW	Z4 Cabrio	Gasolina	2.5	2002	2005	WS215
BMW	Z4 Cabrio	Gasolina	2.5	2005	2009	WS177
BMW	Z4 Cabrio	Gasolina	2.5	2005	2009	WS177
BMW	Z4 Cabrio	Gasolina	2.5	2006	2008	WS177
BMW	Z4 Cabrio	Gasolina	3.0	2002	2005	WS215
BMW	Z4 Cabrio	Gasolina	3.0	2006	2008	WS177
BMW	Z4 Coupé	Gasolina	2.5	2006	2008	WS215
BMW	Z4 Coupé	Gasolina	3.0	2006	2008	WS177
BMW	Z4 M40i Cabrio	Gasolina	3.0	2018		WS229
BMW	Z4 sDrive 20i Cabrio	Gasolina	2.0	2018		WS229
BMW	Z4 sDrive 20i Cabrio	Gasolina	2.0	2018		WS229
BMW	Z4 sDrive 23i Cabrio	Gasolina	2.5	2009	2011	WS177
BMW	Z4 sDrive 25i Cabrio	Gasolina	2.0	2019		WS229
BMW	Z4 sDrive 30i Cabrio	Gasolina	2.0	2018		WS229
BMW	Z4 sDrive 30i Cabrio	Gasolina	3.0	2009	2011	WS177
BMW	Z4 sDrive 30i Cabrio	Gasolina	3.0	2009	2011	WS177
BMW	Z4 sDrive 35i Cabrio	Gasolina	3.0	2009	2016	WS177
BMW	Z4 sDrive 35i Cabrio	Gasolina	3.0	2009	2016	WS177
BMW	Z4 sDrive 35is Cabrio	Gasolina	3.0	2010	2016	WS177
CHEVROLET						
CHEVROLET	Aveo	Gasolina	1.6	2011		WS168
CHEVROLET	Aveo	Gasolina	1.6	2011		WS168
CHEVROLET	Captiva	Gasolina	2.4	2011		WS103
CHEVROLET	Captiva	Gasolina	2.4	2011		WS103
CHEVROLET	Cruze	Gasolina	1.4	2012		WS207
CHEVROLET	Cruze	Gasolina	1.4	2012		WS207
CHEVROLET	Cruze	Gasolina	1.4	2012		WS207
CHEVROLET	Cruze	Gasolina	1.4	2013	2015	WS207
CHEVROLET	Cruze	Gasolina	1.4	2013	2015	WS207
CHEVROLET	Cruze	Gasolina	1.6	2009		WS168
CHEVROLET	Cruze	Gasolina	1.6	2009		WS168
CHEVROLET	Cruze	Gasolina	1.6	2009		WS168
CHEVROLET	Cruze	Gasolina	1.6	2011		WS168
CHEVROLET	Cruze	Gasolina	1.6	2012	2015	WS168
CHEVROLET	Cruze	Gasolina	1.6	2012		WS168
CHEVROLET	Cruze	Gasolina	1.6	2012		WS168
CHEVROLET	Cruze	Gasolina	1.6	2012	2015	WS168
CHEVROLET	Cruze	Gasolina	1.8	2009		WS168
CHEVROLET	Cruze	Gasolina	1.8	2011		WS168
CHEVROLET	Cruze	Gasolina	1.8	2011		WS168
CHEVROLET	Cruze	Gasolina	1.8	2012		WS168
CHEVROLET	Cruze	GLP (con o sin gasolina)	1.8	2010	2015	WS168
CHEVROLET	Cruze	GLP (con o sin gasolina)	1.8	2011	2015	WS168
CHEVROLET	HHR	Gasolina	2.2	2006	2007	WS103
CHEVROLET	HHR	Gasolina	2.2	2007	2008	WS103
CHEVROLET	HHR	Gasolina	2.4	2006	2011	WS103
CHEVROLET	HHR	Gasolina	2.4	2007	2011	WS103
CHEVROLET	Malibu	Gasolina	2.4	2011	2015	WS103
CHEVROLET	Malibu	Gasolina	2.4	2011	2016	WS103
CHEVROLET	Malibu	Biocarburante (etanol) o metanol	2.4	2010	2012	WS103
CHEVROLET	Orlando	Gasolina	1.4	2012		WS207
CHEVROLET	Orlando	Gasolina	1.8	2011		WS168

BMW

CHEVROLET

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
CHEVROLET	Orlando	GLP (con o sin gasolina)	1.8	2011	2015	WS168
CHEVROLET	Tracker	Gasolina	1.4	2013	2015	WS207
CHEVROLET	Tracker	Gasolina	1.8	2013		WS168
CHEVROLET	Tracker	Gasolina	1.8	2013		WS168
CHRYSLER						
CHRYSLER	200	Gasolina	2.4	2011	2014	WS209
CHRYSLER	200	Gasolina	2.4	2011	2014	WS209
DODGE						
DODGE	Caliber	Gasolina	1.8	2006	2011	WS209
DODGE	Caliber	Gasolina	2.0	2006	2011	WS209
DODGE	Caliber	Gasolina	2.4	2006	2011	WS209
DODGE	Caliber	Gasolina	2.4	2006	2011	WS209
DODGE	Caliber	Gasolina	2.4	2007	2011	WS209
DODGE	Journey	Gasolina	2.4	2009	2012	WS209
DODGE	Journey	Gasolina	2.4	2009	2012	WS209
DODGE	Journey	Gasolina	2.4	2012		WS209
HONDA						
HONDA	Accord	Gasolina	2.0	2003	2008	WS147
HONDA	Accord Estate/Wagon	Gasolina	2.0	2003	2008	WS147
HONDA	Accord Estate/Wagon	Gasolina	2.4	2003	2008	WS147
HONDA	Civic	Gasolina	1.8	2005	2011	WS324
HONDA	Civic	Gasolina	1.8	2005	2013	WS324
HONDA	Civic S	Gasolina	1.8	2006		WS324
HONDA	CR-V	Gasolina	2.0	2001	2007	WS148
HONDA	CR-V	Gasolina	2.0	2006	2012	WS324
HONDA	CR-V	Gasolina	2.0	2007	2012	WS324
HONDA	CR-V	Gasolina	2.4	2002	2006	WS148
HONDA	CR-V	Gasolina	2.4	2006	2012	WS148
HONDA	CR-V	Gasolina	2.4	2006	2012	WS148
HONDA	CR-V	Gasolina	2.4	2007	2012	WS148
HONDA	CR-V	Gasolina	2.4	2007	2012	WS148
HONDA	CR-V	Gasolina	2.4	2007	2012	WS148
HONDA	FR-V	Gasolina	1.8	2007	2009	WS324
HONDA	FR-V	Gasolina	2.0	2005	2006	WS147
HYUNDAI						
HYUNDAI	Azera	Gasolina	2.4	2011		WS118
HYUNDAI	Azera	Gasolina	2.4	2011		WS118
HYUNDAI	Creta	Gasolina	1.4	2020		WS366
HYUNDAI	Creta	Gasolina	1.6	2015		WS163
HYUNDAI	Creta	Gasolina	1.6	2016		WS163
HYUNDAI	Elantra	Gasolina	1.6	2006	2010	WS224
HYUNDAI	Elantra	Gasolina	1.6	2006	2011	WS224
HYUNDAI	Grand i10	Gasolina	1.0	2020		WS366
HYUNDAI	i10	Gasolina	1.0	2019		WS366
HYUNDAI	i20	Gasolina	1.0	2015		WS366
HYUNDAI	i20	Gasolina	1.0	2016		WS366
HYUNDAI	i20	Gasolina	1.0	2016		WS366
HYUNDAI	i20	Gasolina	1.0	2016		WS366
HYUNDAI	i20	Gasolina	1.0	2016		WS366
HYUNDAI	i20	Gasolina	1.0	2016		WS366
HYUNDAI	i20	Gasolina	1.4	2008	2014	WS224
HYUNDAI	i20	Gasolina	1.4	2014		WS366
HYUNDAI	i20	Gasolina	1.4	2014		WS366
HYUNDAI	i20	Gasolina	1.4	2015		WS366
HYUNDAI	i20	Gasolina	1.4	2015		WS366
HYUNDAI	i20	Gasolina	1.6	2008	2014	WS224
HYUNDAI	i20	Gasolina	1.6	2008	2014	WS224
HYUNDAI	i20 Active	Gasolina	1.0	2015		WS366
HYUNDAI	i20 Active	Gasolina	1.0	2015		WS366
HYUNDAI	i20 Active	Gasolina	1.4	2016		WS366
HYUNDAI	i20 Active	Gasolina	1.4	2018		WS366

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
HYUNDAI	i20 Cross	Gasolina	1.4	2016		WS366
HYUNDAI	i20 Elite	Gasolina	1.4	2016		WS366
HYUNDAI	i30	Gasolina	1.0	2016		WS366
HYUNDAI	i30	Gasolina	1.0	2016		WS366
HYUNDAI	i30	Gasolina	1.0	2017		WS366
HYUNDAI	i30	Gasolina	1.0	2017		WS366
HYUNDAI	i30	Gasolina	1.4	2007	2011	WS224
HYUNDAI	i30	Gasolina	1.4	2007	2011	WS224
HYUNDAI	i30	Gasolina	1.4	2016		WS366
HYUNDAI	i30	Gasolina	1.4	2016		WS366
HYUNDAI	i30	Gasolina	1.4	2016		WS366
HYUNDAI	i30	Gasolina	1.4	2017		WS366
HYUNDAI	i30	Gasolina	1.4	2017		WS366
HYUNDAI	i30	Gasolina	1.4	2017		WS366
HYUNDAI	i30	Gasolina	1.6	2007	2012	WS224
HYUNDAI	i30	Gasolina	1.6	2007	2011	WS224
HYUNDAI	i30	Gasolina	1.6	2008	2011	WS224
HYUNDAI	i30	Híbrido suave/gasolina	1.0	2020		WS366
HYUNDAI	i30	Híbrido suave/gasolina	1.0	2020		WS366
HYUNDAI	i30 CW	Gasolina	1.4	2007	2012	WS224
HYUNDAI	i30 CW	Gasolina	1.4	2009	2012	WS224
HYUNDAI	i30 CW	Gasolina	1.6	2008	2012	WS224
HYUNDAI	i30 CW	Gasolina	1.6	2008	2012	WS224
HYUNDAI	i30 CW	Gasolina	1.6	2008	2012	WS224
HYUNDAI	i30 Fastback	Gasolina	1.0	2017		WS366
HYUNDAI	i30 Fastback	Gasolina	1.4	2017		WS366
HYUNDAI	i30 Fastback	Híbrido suave/gasolina	1.0	2020		WS366
HYUNDAI	Ioniq	Totalmente híbrido/gasolina	1.6	2016		WS370
HYUNDAI	iX35	Gasolina	2.0	2009	2013	WS133
HYUNDAI	iX35	Gasolina	2.0	2009	2013	WS133
HYUNDAI	iX35	Gasolina	2.0	2009	2013	WS133
HYUNDAI	iX35	Gasolina	2.0	2009	2013	WS133
HYUNDAI	iX35	Gasolina	2.0	2010	2013	WS133
HYUNDAI	iX35	Gasolina	2.4	2009	2015	WS133
HYUNDAI	iX35	Gasolina	2.4	2009	2015	WS133
HYUNDAI	iX35	Gasolina	2.4	2014	2015	WS133
HYUNDAI	Kona	Totalmente híbrido/gasolina	1.6	2019		WS366
HYUNDAI	Kona	Totalmente híbrido/gasolina	1.6	2019		WS366
HYUNDAI	Santa Fe	Gasolina	2.4	2009	2012	WS133
HYUNDAI	Santa Fe	Gasolina	2.4	2009	2013	WS133
HYUNDAI	Santa Fe	Gasolina	2.4	2009	2012	WS133
HYUNDAI	Sonata	Gasolina	2.0	2008	2010	WS133
HYUNDAI	Sonata	Gasolina	2.0	2009	2010	WS133
HYUNDAI	Sonata	Gasolina	2.0	2009	2014	WS133
HYUNDAI	Sonata	Gasolina	2.0	2012	2014	WS118
HYUNDAI	Sonata	Gasolina	2.4	2009	2010	WS133
HYUNDAI	Sonata	Gasolina	2.4	2010	2014	WS133
HYUNDAI	Sonata	Gasolina	2.4	2010	2014	WS133
HYUNDAI	Tucson	Gasolina	2.0	2009		WS133
HYUNDAI	Tucson	Gasolina	2.0	2009	2015	WS133
HYUNDAI	Tucson	Gasolina	2.0	2010		WS133
HYUNDAI	Tucson	Gasolina	2.0	2010	2013	WS133
HYUNDAI	Tucson	Gasolina	2.0	2014	2015	WS133
HYUNDAI	Tucson	Gasolina	2.4	2009	2015	WS133
JAGUAR						
JAGUAR	F-Pace	Gasolina	2.0	2016		WS237
JAGUAR	F-Pace	Gasolina	2.0	2017		WS237
JAGUAR	F-Pace	Gasolina	2.0	2017		WS237
JAGUAR	F-Pace	Gasolina	2.0	2017		WS237

HYUNDAI

JAGUAR

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
JAGUAR	XE	Gasolina	2.0	2015		WS237
JAGUAR	XE	Gasolina	2.0	2015		WS237
JAGUAR	XE	Gasolina	2.0	2017		WS237
JAGUAR	XE	Gasolina	2.0	2017		WS237
JAGUAR	XE	Gasolina	2.0	2017		WS237
JAGUAR	XE	Gasolina	2.0	2017		WS237
JAGUAR	XE	Gasolina	2.0	2017		WS237
JAGUAR	XF	Gasolina	2.0	2012	2015	WS237
JAGUAR	XF	Gasolina	2.0	2015		WS237
JAGUAR	XF	Gasolina	2.0	2017		WS237
JAGUAR	XF	Gasolina	2.0	2017		WS237
JAGUAR	XF	Gasolina	2.0	2017		WS237
JAGUAR	XF	Gasolina	2.0	2017		WS237
JAGUAR	XF Sportbrake	Gasolina	2.0	2017		WS237
JAGUAR	XF Sportbrake	Gasolina	2.0	2017		WS237
JAGUAR	XF Sportbrake	Gasolina	2.0	2018		WS237
JAGUAR	XJ	Gasolina	2.0	2012		WS237
JEEP						
JEEP	Compass	Gasolina	2.0	2011		WS209
JEEP	Compass	Gasolina	2.0	2012		WS209
JEEP	Compass	Gasolina	2.0	2012		WS209
JEEP	Compass	Gasolina	2.4	2007		WS209
JEEP	Compass	Gasolina	2.4	2007		WS209
JEEP	Compass	Gasolina	2.4	2015		WS209
JEEP	Compass	Gasolina	2.4	2017		WS209
JEEP	Compass	Gasolina	2.4	2017		WS209
JEEP	Compass	Gasolina	2.4	2017		WS209
JEEP	Patriot	Gasolina	2.0	2007	2017	WS209
JEEP	Patriot	Gasolina	2.0	2007	2017	WS209
JEEP	Patriot	Gasolina	2.4	2007	2017	WS209
JEEP	Patriot	Gasolina	2.4	2007	2017	WS209
KIA						
KIA	Carens	Gasolina	2.0	2006	2013	WS118
KIA	Carens	Gasolina	2.0	2009	2013	WS118
KIA	Carens	GLP (con o sin gasolina)	2.0	2006	2008	WS118
KIA	Carens	GLP (con o sin gasolina)	2.0	2009	2013	WS118
KIA	Ceed	Gasolina	1.4	2018		WS364
KIA	Ceed	Gasolina	1.4	2018		WS364
KIA	Ceed	Gasolina	1.4	2018		WS364
KIA	Ceed	Gasolina	1.4	2018		WS364
KIA	Cerato	Gasolina	1.6	2009		WS224
KIA	Cerato	Gasolina	1.6	2009	2013	WS158
KIA	Cerato	Gasolina	1.6	2010	2013	WS158
KIA	Cerato	Gasolina	1.6	2010	2014	WS158
KIA	Cerato	Gasolina	2.0	2009	2013	WS118
KIA	Cerato	Gasolina	2.0	2009	2013	WS118
KIA	Cerato	Gasolina	2.0	2010	2013	WS118
KIA	Cerato	Gasolina	2.0	2013	2014	WS118
KIA	Cerato Koup	Gasolina	1.6	2009	2013	WS158
KIA	Cerato Koup	Gasolina	1.6	2010	2013	WS158
KIA	Cerato Koup	Gasolina	1.6	2013		WS163
KIA	Cerato Koup	Gasolina	1.6	2014		WS163
KIA	Cerato Koup	Gasolina	2.0	2009	2013	WS118
KIA	Cerato Koup	Gasolina	2.0	2009	2014	WS118
KIA	Forte	Gasolina	1.6	2009	2013	WS158
KIA	Forte	Gasolina	1.6	2009	2013	WS158
KIA	Forte	Gasolina	1.6	2014		WS163
KIA	Forte	Gasolina	2.0	2009	2013	WS118
KIA	Forte Koup	Gasolina	2.0	2009	2011	WS118

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
KIA	Optima	Gasolina	2.0	2011	2015	WS118
KIA	Optima	Gasolina	2.0	2012	2015	WS118
KIA	Optima	Gasolina	2.0	2012	2015	WS118
KIA	Optima	Gasolina	2.0	2013	2015	WS118
KIA	Optima	Gasolina	2.0	2014	2015	WS118
KIA	Optima	Gasolina	2.0	2015		WS118
KIA	Optima	Gasolina	2.0	2015		WS118
KIA	Optima	Gasolina	2.0	2015		WS118
KIA	Optima	Gasolina	2.0	2016		WS118
KIA	Picanto	Gasolina	1.0	2017		WS364
KIA	Picanto	Gasolina	1.0	2017		WS364
KIA	Picanto	Gasolina	1.0	2017		WS364
KIA	Picanto X-Line	Gasolina	1.0	2017		WS364
KIA	Rio	Gasolina	1.4	2017		WS364
KIA	Rio	Gasolina	1.4	2017		WS364
KIA	Rio	Gasolina	1.4	2017		WS364
KIA	Rio	Gasolina	1.4	2017		WS364
KIA	Rio X-Line	Gasolina	1.4	2017		WS364
KIA	Sorento	Gasolina	2.4	2012	2015	WS118
KIA	Sorento	Gasolina	2.4	2012	2015	WS118
KIA	Sorento	Gasolina	2.4	2015		WS118
KIA	Sorento	Gasolina	2.4	2015		WS118
KIA	Stonic	Gasolina	1.4	2017		WS364
LAND ROVER						
LAND ROVER	Discovery Sport	Gasolina	2.0	2014		WS237
LAND ROVER	Discovery Sport	Gasolina	2.0	2017		WS237
LAND ROVER	Discovery Sport	Gasolina	2.0	2017		WS237
LAND ROVER	Discovery Sport	Gasolina	2.0	2017		WS237
LAND ROVER	Discovery Sport	Gasolina	2.0	2017		WS237
LAND ROVER	Discovery Sport	Gasolina	2.0	2017		WS237
LAND ROVER	Discovery Sport	Gasolina	2.0	2019		WS237
LAND ROVER	Discovery Sport	Gasolina	2.0	2020		WS237
LAND ROVER	Discovery Sport	Biocarbante (etanol) o metanol	2.0	2018		WS237
LAND ROVER	Freelander	Gasolina	2.0	2011	2014	WS237
LAND ROVER	Freelander	Gasolina	3.2	2006	2014	WS194
LAND ROVER	LR2	Gasolina	2.0	2011	2014	WS237
LAND ROVER	LR2	Gasolina	3.2	2006	2014	WS194
LAND ROVER	Range Rover Evoque	Gasolina	2.0	2011	2019	WS237
LAND ROVER	Range Rover Evoque	Gasolina	2.0	2011	2019	WS237
LAND ROVER	Range Rover Evoque	Gasolina	2.0	2013	2019	WS237
LAND ROVER	Range Rover Evoque	Gasolina	2.0	2015	2019	WS237
LAND ROVER	Range Rover Evoque	Gasolina	2.0	2017	2019	WS237
LAND ROVER	Range Rover Evoque	Gasolina	2.0	2017	2019	WS237
LAND ROVER	Range Rover Evoque	Gasolina	2.0	2017	2019	WS237
LAND ROVER	Range Rover Sport	Gasolina	2.0	2017		WS237
LEXUS						
LEXUS	ES 350	Gasolina	3.5	2006	2012	WS108
LEXUS	ES 350	Gasolina	3.5	2012	2018	WS108
LEXUS	ES 350	Gasolina	3.5	2012	2018	WS108
LEXUS	ES 350	Gasolina	3.5	2014	2018	WS108
LEXUS	GS 300	Gasolina	3.0	2005	2011	WS108
LEXUS	GS 300	Gasolina	3.0	2005	2011	WS108
LEXUS	GS 430	Gasolina	4.3	2000	2005	WS124
LEXUS	GS 430	Gasolina	4.3	2005	2011	WS124
LEXUS	GS 430	Gasolina	4.3	2005	2011	WS124
LEXUS	GS 450h	Totalmente híbrido/gasolina	3.5	2006	2011	WS108
LEXUS	LS 430	Gasolina	4.3	2000	2006	WS124
LEXUS	LS 430	Gasolina	4.3	2000	2006	WS124
LEXUS	LX 570	Gasolina	5.7	2007		WS130
LEXUS	LX 570	Gasolina	5.7	2007		WS130

KIA

LAND ROVER

LEXUS

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
LEXUS	LX 570	Gasolina	5.7	2008		WS130
LEXUS	LX 570	Gasolina	5.7	2015		WS130
LEXUS	RX 350	Gasolina	3.5	2006	2009	WS108
LEXUS	RX 350	Gasolina	3.5	2008	2015	WS108
LEXUS	RX 350	Gasolina	3.5	2009	2015	WS108
LEXUS	RX 350	Gasolina	3.5	2009	2015	WS108
LEXUS	SC 430	Gasolina	4.3	2001	2010	WS124
LEXUS	SC 430	Gasolina	4.3	2001	2010	WS124
LEXUS	SC 430	Gasolina	4.3	2009	2010	WS124
MAZDA						
MAZDA	2	Gasolina	1.3	2007	2014	WS350
MAZDA	2	Gasolina	1.3	2007	2014	WS350
MAZDA	2	Gasolina	1.3	2010	2015	WS350
MAZDA	2	Gasolina	1.3	2010	2014	WS350
MAZDA	2	Gasolina	1.5	2007	2014	WS350
MAZDA	2	Gasolina	1.5	2007	2014	WS350
MAZDA	2	Gasolina	1.5	2010	2015	WS350
MAZDA	2	Gasolina	1.5	2011	2014	WS350
MAZDA	3	Gasolina	1.6	2008	2014	WS350
MAZDA	3	Gasolina	1.6	2008	2014	WS350
MAZDA	3	Gasolina	1.6	2013		WS350
MAZDA	3	Gasolina	1.6	2013		WS350
MAZDA	3 Sport	Gasolina	1.6	2013	2014	WS350
MERCEDES-BENZ						
MERCEDES-BENZ	C180	Gasolina	1.8	2007	2014	WS227
MERCEDES-BENZ	C180	Gasolina	1.8	2007	2014	WS227
MERCEDES-BENZ	C180	Gasolina	1.8	2011	2014	WS227
MERCEDES-BENZ	C200	Gasolina	1.8	2007	2014	WS227
MERCEDES-BENZ	C200	Gasolina	1.8	2007	2014	WS227
MERCEDES-BENZ	C200	Gasolina	1.8	2009	2014	WS227
MERCEDES-BENZ	C200	Gasolina	1.8	2011	2014	WS227
MERCEDES-BENZ	C250	Gasolina	1.8	2009	2014	WS227
MERCEDES-BENZ	C250	Gasolina	1.8	2009	2014	WS227
MERCEDES-BENZ	C250	Gasolina	1.8	2011	2014	WS227
MERCEDES-BENZ	E200	Gasolina	1.8	2009	2015	WS227
MERCEDES-BENZ	E200	Gasolina	1.8	2009	2016	WS227
MERCEDES-BENZ	E200	Gasolina	1.8	2009	2016	WS227
MERCEDES-BENZ	E200	Gasolina	1.8	2010	2016	WS227
MERCEDES-BENZ	E250	Gasolina	1.8	2009	2013	WS227
MERCEDES-BENZ	E250	Gasolina	1.8	2009	2015	WS227
MERCEDES-BENZ	E250	Gasolina	1.8	2009	2016	WS227
MERCEDES-BENZ	E250	Gasolina	1.8	2010	2016	WS227
MERCEDES-BENZ	SLK200	Gasolina	1.8	2011		WS227
MERCEDES-BENZ	SLK250	Gasolina	1.8	2011		WS227
MINI						
MINI	Mini Clubman	Gasolina	1.4	2009	2010	WS173
MINI	Mini Clubman	Gasolina	1.5	2015		WS229
MINI	Mini Clubman	Gasolina	1.5	2015		WS229
MINI	Mini Clubman	Gasolina	1.6	2007	2010	WS173
MINI	Mini Clubman	Gasolina	1.6	2007	2013	WS173
MINI	Mini Clubman	Gasolina	1.6	2007	2014	WS173
MINI	Mini Clubman	Gasolina	1.6	2008	2015	WS173
MINI	Mini Clubman	Gasolina	1.6	2008	2010	WS173
MINI	Mini Clubman	Gasolina	1.6	2010	2014	WS173
MINI	Mini Clubman	Gasolina	1.6	2010	2014	WS173
MINI	Mini Clubman	Gasolina	1.6	2010	2015	WS173
MINI	Mini Clubman	Gasolina	1.6	2010	2015	WS173
MINI	Mini Clubman	Gasolina	1.6	2010	2015	WS173
MINI	Mini Clubman	Gasolina	2.0	2014		WS229
MINI	Mini Clubman	Gasolina	2.0	2014		WS229

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
MINI	Mini Clubman	Gasolina	2.0	2014		WS229
MINI	Mini Clubman	Gasolina	2.0	2014		WS229
MINI	Mini Clubman	Gasolina	2.0	2015		WS229
MINI	Mini Clubman	Gasolina	2.0	2015	2019	WS229
MINI	Mini Clubman	Gasolina	2.0	2016		WS229
MINI	Mini Clubvan	Gasolina	1.6	2012	2015	WS173
MINI	Mini Clubvan	Gasolina	1.6	2012	2015	WS173
MINI	Mini Cooper	Gasolina	1.5	2013		WS229
MINI	Mini Cooper	Gasolina	1.5	2015		WS229
MINI	Mini Cooper	Gasolina	1.6	2006	2013	WS173
MINI	Mini Cooper	Gasolina	1.6	2006	2013	WS173
MINI	Mini Cooper	Gasolina	1.6	2006	2011	WS173
MINI	Mini Cooper	Gasolina	1.6	2006	2011	WS173
MINI	Mini Cooper	Gasolina	1.6	2006	2014	WS173
MINI	Mini Cooper	Gasolina	1.6	2007	2013	WS173
MINI	Mini Cooper	Gasolina	1.6	2008	2013	WS173
MINI	Mini Cooper	Gasolina	1.6	2008	2014	WS173
MINI	Mini Cooper	Gasolina	1.6	2008	2010	WS173
MINI	Mini Cooper	Gasolina	1.6	2008	2015	WS173
MINI	Mini Cooper	Gasolina	1.6	2009	2010	WS173
MINI	Mini Cooper	Gasolina	1.6	2009	2011	WS173
MINI	Mini Cooper	Gasolina	1.6	2009	2014	WS173
MINI	Mini Cooper	Gasolina	1.6	2010	2013	WS173
MINI	Mini Cooper	Gasolina	1.6	2010	2014	WS173
MINI	Mini Cooper	Gasolina	1.6	2010	2014	WS173
MINI	Mini Cooper	Gasolina	1.6	2010	2014	WS173
MINI	Mini Cooper	Gasolina	1.6	2010	2015	WS173
MINI	Mini Cooper	Gasolina	1.6	2012	2013	WS173
MINI	Mini Cooper	Gasolina	2.0	2013		WS229
MINI	Mini Cooper	Gasolina	2.0	2013		WS229
MINI	Mini Cooper	Gasolina	2.0	2014		WS229
MINI	Mini Cooper	Gasolina	2.0	2014		WS229
MINI	Mini Cooper	Gasolina	2.0	2015		WS229
MINI	Mini Cooper	Gasolina	2.0	2015		WS229
MINI	Mini Cooper	Gasolina	2.0	2015		WS229
MINI	Mini Cooper	Gasolina	2.0	2015		WS229
MINI	Mini Cooper	Gasolina	2.0	2016		WS229
MINI	Mini Countryman	Gasolina	1.5	2016		WS229
MINI	Mini Countryman	Gasolina	1.5	2016		WS229
MINI	Mini Countryman	Gasolina	1.5	2017		WS229
MINI	Mini Countryman	Gasolina	1.6	2010	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2010	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2010	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2010	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2010	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2010	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2010	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2010	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2010	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2010	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2010	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2010	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2010	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2012	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2013	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2014	2016	WS173
MINI	Mini Countryman	Gasolina	1.6	2014	2016	WS173
MINI	Mini Countryman	Gasolina	2.0	2016		WS229
MINI	Mini Countryman	Gasolina	2.0	2016		WS229
MINI	Mini Countryman	Gasolina	2.0	2016		WS229
MINI	Mini Countryman	Gasolina	2.0	2016		WS229
MINI	Mini Countryman	Gasolina	2.0	2017	2019	WS229
MINI	Mini Countryman	Gasolina	2.0	2020		WS229
MINI	Mini Countryman	Gasolina	2.0	2020		WS229

MINI

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



MINI

MINI
MITSUBISHI

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
MINI	Mini Countryman	Hibrido enchufable/gasolina	1.5	2017		WS229
MINI	Mini Coupé	Gasolina	1.6	2011		WS173
MINI	Mini Coupé	Gasolina	1.6	2011		WS173
MINI	Mini Coupé	Gasolina	1.6	2011		WS173
MINI	Mini Coupé	Gasolina	1.6	2011		WS173
MINI	Mini Coupé	Gasolina	1.6	2011		WS173
MINI	Mini Coupé	Gasolina	1.6	2011		WS173
MINI	Mini One	Gasolina	1.2	2014	2017	WS229
MINI	Mini One	Gasolina	1.2	2014	2017	WS229
MINI	Mini One	Gasolina	1.2	2016	2017	WS229
MINI	Mini One	Gasolina	1.4	2006	2010	WS173
MINI	Mini One	Gasolina	1.4	2009	2010	WS173
MINI	Mini One	Gasolina	1.5	2017		WS229
MINI	Mini One	Gasolina	1.5	2017		WS229
MINI	Mini One	Gasolina	1.5	2017		WS229
MINI	Mini One	Gasolina	1.6	2010	2013	WS173
MINI	Mini One	Gasolina	1.6	2010	2013	WS173
MINI	Mini One	Gasolina	1.6	2010	2014	WS173
MINI	Mini One	GLP (con o sin gasolina)	1.4	2009	2010	WS173
MINI	Mini Paceman	Gasolina	1.6	2012	2016	WS173
MINI	Mini Paceman	Gasolina	1.6	2013	2016	WS173
MINI	Mini Paceman	Gasolina	1.6	2013	2016	WS173
MINI	Mini Paceman	Gasolina	1.6	2013	2016	WS173
MINI	Mini Paceman	Gasolina	1.6	2013	2016	WS173
MINI	Mini Paceman	Gasolina	1.6	2013	2016	WS173
MINI	Mini Paceman	Gasolina	1.6	2013	2016	WS173
MINI	Mini Paceman	Gasolina	1.6	2013	2016	WS173
MINI	Mini Paceman	Gasolina	1.6	2014	2016	WS173
MINI	Mini Paceman	Gasolina	1.6	2014	2016	WS173
MINI	Mini Paceman	Gasolina	1.6	2014	2016	WS173
MINI	Mini Roadster	Gasolina	1.6	2012		WS173
MINI	Mini Roadster	Gasolina	1.6	2012		WS173
MINI	Mini Roadster	Gasolina	1.6	2012		WS173
MINI	Mini Roadster	Gasolina	1.6	2012		WS173
MINI	Mini Roadster	Gasolina	1.6	2012		WS173
MINI	Mini Roadster	Gasolina	1.6	2012		WS173
MITSUBISHI						
MITSUBISHI	Lancer	Gasolina	1.8	2007		WS208
MITSUBISHI	Lancer	Gasolina	1.8	2009		WS208
MITSUBISHI	Lancer	Gasolina	1.8	2010		WS208
MITSUBISHI	Lancer	Gasolina	2.0	2007		WS208
MITSUBISHI	Lancer	Gasolina	2.0	2007		WS208
MITSUBISHI	Lancer	Gasolina	2.0	2008		WS208
MITSUBISHI	Lancer	Gasolina	2.0	2008		WS208
MITSUBISHI	Lancer	Gasolina	2.0	2009		WS208
MITSUBISHI	Lancer	GLP (con o sin gasolina)	1.8	2009		WS208
MITSUBISHI	Lancer	Biocarbante (etanol) o metanol	1.8	2009		WS208
MITSUBISHI	Lancer	Biocarbante (etanol) o metanol	1.8	2010		WS208
MITSUBISHI	Lancer Evolution	Gasolina	2.0	2007	2015	WS208
MITSUBISHI	Lancer Evolution	Gasolina	2.0	2007		WS208
MITSUBISHI	Lancer Evolution	Gasolina	2.0	2007		WS208
MITSUBISHI	Lancer Evolution	Gasolina	2.0	2008		WS208
MITSUBISHI	Lancer Evolution	Gasolina	2.0	2008		WS208
MITSUBISHI	Lancer Evolution	Gasolina	2.0	2009	2010	WS208
MITSUBISHI	Lancer Evolution	Gasolina	2.0	2009		WS208
MITSUBISHI	Lancer Fortis	Gasolina	1.8	2007		WS208
MITSUBISHI	Lancer Sportback	Gasolina	1.8	2008	2011	WS208
MITSUBISHI	Lancer Sportback	Gasolina	1.8	2009		WS208
MITSUBISHI	Lancer Sportback	Gasolina	2.0	2008		WS208
MITSUBISHI	Lancer Sportback	GLP (con o sin gasolina)	1.8	2009		WS208

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
MITSUBISHI	Lancer Sportback	Biocarburante (etanol) o metanol	1.8	2009		WS208
MITSUBISHI	Outlander	Gasolina	2.0	2006	2012	WS208
MITSUBISHI	Outlander	Gasolina	2.0	2006	2013	WS208
MITSUBISHI	Outlander	Gasolina	2.4	2006	2013	WS208
MITSUBISHI	Outlander	Gasolina	2.4	2007	2013	WS208
MITSUBISHI	Outlander	Biocarburante (etanol) o metanol	2.4	2007	2010	WS208
NISSAN						
NISSAN	Almera	Gasolina	1.5	2012		WS141
NISSAN	Altima	Gasolina	2.5	2006	2012	WS191
NISSAN	Altima	Gasolina	2.5	2010	2012	WS191
NISSAN	Juke	Gasolina	1.6	2010		WS141
NISSAN	Juke	Gasolina	1.6	2010		WS191
NISSAN	Juke	Gasolina	1.6	2010		WS191
NISSAN	Juke	Gasolina	1.6	2012		WS191
NISSAN	Juke	Gasolina	1.6	2012		WS191
NISSAN	Juke	Gasolina	1.6	2013		WS191
NISSAN	Juke	Gasolina	1.6	2013		WS141
NISSAN	Juke	Gasolina	1.6	2013		WS141
NISSAN	Juke	Gasolina	1.6	2014		WS141
NISSAN	Juke	Gasolina	1.6	2014		WS191
NISSAN	Juke	Gasolina	1.6	2014		WS191
NISSAN	Juke	GLP (con o sin gasolina)	1.6	2012		WS141
NISSAN	Micra	Gasolina	1.5	2011		WS141
NISSAN	Micra	Gasolina	1.2	2010		WS141
NISSAN	Micra	Gasolina	1.2	2010		WS141
NISSAN	Micra	Gasolina	1.2	2013		WS141
NISSAN	Micra	Gasolina	1.5	2010		WS141
NISSAN	Micra	Gasolina	1.5	2011		WS141
NISSAN	Micra	Gasolina	1.5	2011		WS141
NISSAN	Micra	GLP (con o sin gasolina)	1.2	2010	2015	WS141
NISSAN	Murano	Totalmente híbrido/gasolina	2.5	2016		WS193
NISSAN	NV200	Gasolina	1.6	2009		WS141
NISSAN	NV200 Evalia	Gasolina	1.6	2009		WS141
NISSAN	Pathfinder	Totalmente híbrido/gasolina	2.5	2014		WS193
NISSAN	Pulsar	Gasolina	1.6	2015		WS193
NISSAN	Qashqai	Gasolina	1.6	2006	2014	WS141
NISSAN	Qashqai	Gasolina	1.6	2007	2014	WS141
NISSAN	Qashqai	Gasolina	1.6	2010	2014	WS141
NISSAN	Qashqai	Gasolina	1.6	2013	2014	WS141
NISSAN	Qashqai	Gasolina	1.6	2014		WS193
NISSAN	Qashqai	Gasolina	2.0	2007	2014	WS140
NISSAN	Qashqai	Gasolina	2.0	2007	2014	WS140
NISSAN	Qashqai	Gasolina	2.0	2007	2014	WS140
NISSAN	Qashqai	Gasolina	2.0	2013	2014	WS140
NISSAN	Qashqai	Gasolina	2.0	2013	2014	WS140
NISSAN	Qashqai	Gasolina	2.0	2013		WS193
NISSAN	Qashqai	Gasolina	2.0	2013		WS193
NISSAN	Qashqai	Gasolina	2.0	2015		WS193
NISSAN	Qashqai	Gasolina	2.0	2015		WS193
NISSAN	Qashqai	Gasolina	2.0	2018		WS193
NISSAN	Qashqai	GLP (con o sin gasolina)	1.6	2011	2014	WS141
NISSAN	Qashqai+2	Gasolina	1.6	2007	2013	WS141
NISSAN	Qashqai+2	Gasolina	1.6	2008	2013	WS141
NISSAN	Qashqai+2	Gasolina	1.6	2010	2013	WS141
NISSAN	Qashqai+2	Gasolina	1.6	2013	2013	WS141
NISSAN	Qashqai+2	Gasolina	2.0	2008	2013	WS140
NISSAN	Qashqai+2	Gasolina	2.0	2008	2014	WS140
NISSAN	Qashqai+2	Gasolina	2.0	2008	2014	WS140
NISSAN	Qashqai+2	Gasolina	2.0	2008	2014	WS140
NISSAN	Qashqai+2	Gasolina	2.0	2010	2014	WS140

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
NISSAN	Qashqai+2	Gasolina	2.0	2010	2014	WS140
NISSAN	Qashqai+2	Gasolina	2.0	2013	2013	WS140
NISSAN	Rogue	Gasolina	2.5	2007	2014	WS191
NISSAN	Rogue	Gasolina	2.5	2007	2014	WS191
NISSAN	Rogue	Gasolina	2.5	2010	2013	WS191
NISSAN	Rogue	Gasolina	2.5	2010	2013	WS191
NISSAN	Rogue	Gasolina	2.5	2010	2013	WS191
NISSAN	Rogue	Gasolina	2.5	2010	2013	WS191
NISSAN	Sentra	Gasolina	1.6	2014		WS141
NISSAN	Sentra (EE. UU.)	Gasolina	1.6	2013		WS141
NISSAN	Sentra (EE. UU.)	Gasolina	1.6	2013		WS141
NISSAN	Sunny	Gasolina	1.5	2011		WS141
NISSAN	Sunny	Gasolina	1.5	2012		WS141
NISSAN	Sunny	Gasolina	1.6	2011		WS141
NISSAN	Teana	Gasolina	2.5	2010	2013	WS191
NISSAN	Teana	Gasolina	2.5	2010	2013	WS191
NISSAN	Tiida	Gasolina	1.6	2007	2013	WS141
NISSAN	Tiida	Gasolina	1.6	2015		WS141
NISSAN	Tiida	Gasolina	1.8	2006	2012	WS140
NISSAN	Tiida	Gasolina	1.8	2006	2011	WS140
NISSAN	Tiida	Gasolina	1.8	2006	2013	WS140
NISSAN	Tiida	Biocarbante (etanol) o metanol	1.8	2009	2011	WS140
NISSAN	Versa	Gasolina	1.6	2011		WS141
NISSAN	Versa	Biocarbante (etanol) o metanol	1.6	2011		WS141
NISSAN	X-Trail	Gasolina	1.6	2015		WS193
NISSAN	X-Trail	Gasolina	2.0	2007	2014	WS140
NISSAN	X-Trail	Gasolina	2.0	2007	2014	WS140
NISSAN	X-Trail	Gasolina	2.0	2008	2013	WS140
NISSAN	X-Trail	Gasolina	2.0	2008	2013	WS140
NISSAN	X-Trail	Gasolina	2.0	2014		WS193
NISSAN	X-Trail	Gasolina	2.0	2014		WS193
NISSAN	X-Trail	Gasolina	2.0	2014		WS193
NISSAN	X-Trail	Gasolina	2.0	2015		WS193
NISSAN	X-Trail	Gasolina	2.0	2015		WS193
NISSAN	X-Trail	Gasolina	2.5	2007	2014	WS191
NISSAN	X-Trail	Gasolina	2.5	2007	2018	WS191
NISSAN	X-Trail	Gasolina	2.5	2007	2014	WS191
NISSAN	X-Trail	Biocarbante (etanol) o metanol	2.0	2014		WS193
NISSAN	X-Trail	Biocarbante (etanol) o metanol	2.0	2014		WS193
OPEL						
OPEL	Adam	Gasolina	1.2	2012	2019	WS207
OPEL	Adam	Gasolina	1.4	2012	2019	WS207
OPEL	Adam	Gasolina	1.4	2014	2019	WS207
OPEL	Adam	GLP (con o sin gasolina)	1.4	2013	2018	WS207
OPEL	Antara	Gasolina	2.4	2010		WS103
OPEL	Antara	Gasolina	2.4	2010		WS103
OPEL	Astra	Gasolina	1.4	2009	2015	WS207
OPEL	Astra	Gasolina	1.4	2009	2015	WS207
OPEL	Astra	Gasolina	1.4	2009	2015	WS207
OPEL	Astra	Gasolina	1.4	2010	2015	WS207
OPEL	Astra	Gasolina	1.4	2010	2015	WS207
OPEL	Astra	Gasolina	1.4	2010	2015	WS207
OPEL	Astra	Gasolina	1.4	2010	2015	WS207
OPEL	Astra	Gasolina	1.4	2010	2015	WS207
OPEL	Astra	Gasolina	1.4	2010	2015	WS207
OPEL	Astra	Gasolina	1.4	2012	2015	WS207
OPEL	Astra	Gasolina	1.4	2012	2015	WS207
OPEL	Astra	Gasolina	1.4	2012	2015	WS207
OPEL	Astra	Gasolina	1.4	2014	2015	WS207
OPEL	Astra	Gasolina	1.6	2006	2011	WS168
OPEL	Astra	Gasolina	1.6	2006	2012	WS168

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
OPEL	Astra	Gasolina	1.6	2007	2010	WS168
OPEL	Astra	Gasolina	1.6	2009	2015	WS168
OPEL	Astra	Gasolina	1.6	2010	2015	WS168
OPEL	Astra	Gasolina	1.6	2012		WS168
OPEL	Astra	Gasolina	1.8	2005	2012	WS168
OPEL	Astra	Gasolina	1.8	2006	2011	WS168
OPEL	Astra	Gasolina	1.8	2006	2012	WS168
OPEL	Astra	GLP (con o sin gasolina)	1.4	2012	2015	WS207
OPEL	Astra	GLP (con o sin gasolina)	1.4	2012	2015	WS207
OPEL	Astra	GLP (con o sin gasolina)	1.4	2014		WS207
OPEL	Astra	GLP (con o sin gasolina)	1.6	2009	2010	WS168
OPEL	Astra Cabrio	Gasolina	1.6	2006	2011	WS168
OPEL	Astra Cabrio	Gasolina	1.8	2006	2011	WS168
OPEL	Astra Classic	Gasolina	1.6	2009		WS168
OPEL	Astra Classic	Gasolina	1.6	2009		WS168
OPEL	Astra Classic	Gasolina	1.6	2009		WS168
OPEL	Astra Classic	Gasolina	1.8	2012		WS168
OPEL	Astra Classic	Gasolina	1.8	2012		WS168
OPEL	Astra Classic	Gasolina	1.8	2012		WS168
OPEL	Astra Family	Gasolina	1.6	2006	2014	WS168
OPEL	Astra Family	Gasolina	1.6	2011	2014	WS168
OPEL	Astra Family	Gasolina	1.6	2013		WS168
OPEL	Astra Family	Gasolina	1.8	2007	2012	WS168
OPEL	Astra Family	Gasolina	1.8	2012	2014	WS168
OPEL	Astra Family	Gasolina	1.8	2013		WS168
OPEL	Astra GTC	Gasolina	1.4	2011		WS207
OPEL	Astra GTC	Gasolina	1.4	2011		WS207
OPEL	Astra GTC	Gasolina	1.4	2011	2015	WS207
OPEL	Astra GTC	Gasolina	1.6	2006	2011	WS168
OPEL	Astra GTC	Gasolina	1.8	2006	2011	WS168
OPEL	Astra GTC	Gasolina	1.8	2011	2015	WS168
OPEL	Astra GTC	Gasolina	2.0	2012		WS103
OPEL	Astra Van	Gasolina	1.6	2006	2010	WS168
OPEL	Cascada	Gasolina	1.4	2013	2018	WS207
OPEL	Cascada	Gasolina	1.4	2013	2018	WS207
OPEL	Corsa	Gasolina	1.2	2010	2014	WS207
OPEL	Corsa	Gasolina	1.2	2010	2014	WS207
OPEL	Corsa	Gasolina	1.4	2010	2014	WS207
OPEL	Corsa	Gasolina	1.4	2010	2014	WS207
OPEL	Corsa	Gasolina	1.4	2012	2014	WS207
OPEL	Corsa	GLP (con o sin gasolina)	1.2	2011	2014	WS207
OPEL	Corsa	GLP (con o sin gasolina)	1.2	2011	2014	WS207
OPEL	Corsa	GLP (con o sin gasolina)	1.4	2009	2014	WS207
OPEL	Corsa Van	Gasolina	1.2	2010	2014	WS207
OPEL	Corsa Van	Gasolina	1.2	2010	2014	WS207
OPEL	Corsa Van	Gasolina	1.4	2012	2014	WS207
OPEL	Corsa Van	Gasolina	1.4	2012	2014	WS207
OPEL	GT	Gasolina	2.0	2006	2011	WS103
OPEL	Insignia	Gasolina	1.4	2011	2017	WS207
OPEL	Insignia	Gasolina	1.4	2011	2017	WS207
OPEL	Insignia	Gasolina	1.6	2008	2017	WS168
OPEL	Insignia	Gasolina	1.6	2008	2017	WS168
OPEL	Insignia	Gasolina	1.6	2008	2017	WS168
OPEL	Insignia	Gasolina	1.6	2008	2017	WS168
OPEL	Insignia	Gasolina	1.8	2008	2017	WS168
OPEL	Insignia	Gasolina	1.8	2008	2017	WS168
OPEL	Insignia	Gasolina	2.0	2008	2017	WS103
OPEL	Insignia	Gasolina	2.0	2008	2017	WS103
OPEL	Insignia	Gasolina	2.0	2008	2017	WS103
OPEL	Insignia	Gasolina	2.0	2008	2017	WS103

OPEL

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



OPEL

PEUGEOT

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
OPEL	Insignia	GLP (con o sin gasolina)	1.4	2012	2017	WS207
OPEL	Insignia	GLP (con o sin gasolina)	1.4	2012	2017	WS207
OPEL	Insignia	Biocombustible (etanol) o metanol	2.0	2008	2017	WS103
OPEL	Insignia	Biocombustible (etanol) o metanol	2.0	2010	2017	WS103
OPEL	Insignia Sport Tourer	Gasolina	1.4	2011	2017	WS207
OPEL	Insignia Sport Tourer	Gasolina	1.6	2008	2017	WS168
OPEL	Insignia Sport Tourer	Gasolina	1.6	2008	2017	WS168
OPEL	Insignia Sport Tourer	Gasolina	1.8	2008	2017	WS168
OPEL	Insignia Sport Tourer	Gasolina	2.0	2008	2017	WS103
OPEL	Insignia Sport Tourer	Gasolina	2.0	2008	2017	WS103
OPEL	Insignia Sport Tourer	GLP (con o sin gasolina)	1.4	2012	2017	WS207
OPEL	Insignia Sport Tourer	Biocombustible (etanol) o metanol	2.0	2010	2017	WS103
OPEL	Meriva	Gasolina	1.4	2010	2017	WS207
OPEL	Meriva	Gasolina	1.4	2010	2017	WS207
OPEL	Meriva	Gasolina	1.4	2010	2017	WS207
OPEL	Meriva	Gasolina	1.4	2013	2017	WS207
OPEL	Meriva	GLP (con o sin gasolina)	1.4	2011	2017	WS207
OPEL	Mokka	Gasolina	1.4	2012		WS207
OPEL	Mokka	Gasolina	1.4	2012		WS207
OPEL	Mokka	Gasolina	1.6	2012		WS168
OPEL	Mokka	Gasolina	1.8	2012		WS168
OPEL	Mokka	Gasolina	1.8	2012		WS168
OPEL	Mokka	GLP (con o sin gasolina)	1.4	2013		WS207
OPEL	Mokka X	Gasolina	1.4	2016		WS207
OPEL	Mokka X	Gasolina	1.4	2016		WS207
OPEL	Mokka X	Gasolina	1.6	2016		WS168
OPEL	Mokka X	GLP (con o sin gasolina)	1.4	2016		WS207
OPEL	Signum	Gasolina	1.8	2005	2008	WS168
OPEL	Vectra	Gasolina	1.8	2005	2008	WS168
OPEL	Vectra	Gasolina	1.8	2005	2008	WS168
OPEL	Vectra	Gasolina	1.8	2005	2008	WS168
OPEL	Zafira	Gasolina	1.6	2008	2015	WS168
OPEL	Zafira	Gasolina	1.8	2005	2015	WS168
OPEL	Zafira	GLP (con o sin gasolina)	1.8	2011	2015	WS168
OPEL	Zafira	Biocombustible (etanol) o metanol	1.6	2008	2012	WS168
OPEL	Zafira Family	Gasolina	1.8	2011	2019	WS168
OPEL	Zafira Family	Gasolina	1.8	2013	2015	WS168
OPEL	Zafira Tourer	Gasolina	1.4	2011		WS207
OPEL	Zafira Tourer	Gasolina	1.4	2011		WS207
OPEL	Zafira Tourer	Gasolina	1.8	2011		WS168
OPEL	Zafira Tourer	Gasolina	1.8	2011		WS168
OPEL	Zafira Tourer	GLP (con o sin gasolina)	1.4	2011		WS207
OPEL	Zafira Van	Gasolina	1.8	2005	2015	WS168
PEUGEOT						
PEUGEOT	207	Gasolina	1.4	2007	2013	WS173
PEUGEOT	207	Gasolina	1.6	2006	2013	WS173
PEUGEOT	207	Gasolina	1.6	2007	2012	WS173
PEUGEOT	207	Gasolina	1.6	2007	2012	WS173
PEUGEOT	207	Gasolina	1.6	2007	2012	WS173
PEUGEOT	207	Gasolina	1.6	2008	2012	WS173
PEUGEOT	207	Gasolina	1.6	2009	2012	WS173
PEUGEOT	207 CC	Gasolina	1.6	2006	2012	WS173
PEUGEOT	207 CC	Gasolina	1.6	2006	2013	WS173
PEUGEOT	207 CC	Gasolina	1.6	2007	2012	WS173
PEUGEOT	207 SW	Gasolina	1.4	2007	2013	WS173
PEUGEOT	207 SW	Gasolina	1.6	2007	2012	WS173
PEUGEOT	207 SW	Gasolina	1.6	2007	2012	WS173
PEUGEOT	207 SW	Gasolina	1.6	2007	2013	WS173
PEUGEOT	3008	Gasolina	1.6	2009	2016	WS173
PEUGEOT	3008	Gasolina	1.6	2009	2016	WS173

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
PEUGEOT	308	Gasolina	1.6	2009	2016	WS173
PEUGEOT	308	Gasolina	1.4	2007	2014	WS173
PEUGEOT	308	Gasolina	1.6	2007	2014	WS173
PEUGEOT	308	Gasolina	1.6	2007	2014	WS173
PEUGEOT	308	Gasolina	1.6	2008	2014	WS173
PEUGEOT	308	Gasolina	1.6	2009	2014	WS173
PEUGEOT	308 CC	Gasolina	1.6	2009	2014	WS173
PEUGEOT	308 CC	Gasolina	1.6	2009	2014	WS173
PEUGEOT	308 CC	Gasolina	1.6	2009	2014	WS173
PEUGEOT	308 CC	Gasolina	1.6	2009	2014	WS173
PEUGEOT	308 SW	Gasolina	1.4	2008	2014	WS173
PEUGEOT	308 SW	Gasolina	1.6	2008	2014	WS173
PEUGEOT	308 SW	Gasolina	1.6	2008	2014	WS173
PEUGEOT	308 SW	Gasolina	1.6	2009	2014	WS173
PEUGEOT	5008	Gasolina	1.6	2009	2017	WS173
PEUGEOT	5008	Gasolina	1.6	2009	2017	WS173
PEUGEOT	Partner Tepee	Gasolina	1.6	2009		WS173
PONTIAC						
PONTIAC	Vibe	Gasolina	2.4	2009	2010	WS107
ROLLS-ROYCE						
ROLLS-ROYCE	Phantom	Gasolina	6.7	2002	2017	WS172
ROLLS-ROYCE	Phantom	Gasolina	6.7	2007	2017	WS172
ROLLS-ROYCE	Phantom	Gasolina	6.7	2008	2017	WS172
SCION						
SCION	XA	Gasolina	1.5	2004	2006	WS111
SCION	XA	Gasolina	1.5	2004	2006	WS111
SEAT						
SEAT	Alhambra	Gasolina	1.4	2010		WS212
SEAT	Alhambra	Gasolina	1.4	2015		WS264
SEAT	Alhambra	Gasolina	1.4	2015		WS264
SEAT	Alhambra	Gasolina	2.0	2010	2012	WS162
SEAT	Alhambra	Gasolina	2.0	2015		WS263
SEAT	Altea	Gasolina	1.4	2007		WS212
SEAT	Altea	Gasolina	1.8	2007		WS162
SEAT	Altea	Gasolina	2.0	2006	2009	WS176
SEAT	Altea Freetrack	Gasolina	1.4	2010	2011	WS212
SEAT	Altea Freetrack	Gasolina	2.0	2007	2009	WS176
SEAT	Altea Freetrack	Gasolina	2.0	2007	2009	WS176
SEAT	Altea Freetrack	Gasolina	2.0	2009		WS162
SEAT	Altea Freetrack	Gasolina	2.0	2009		WS162
SEAT	Altea XL	Gasolina	1.4	2007		WS212
SEAT	Altea XL	Gasolina	1.8	2007		WS162
SEAT	Altea XL	Gasolina	2.0	2006	2009	WS176
SEAT	Altea XL	Gasolina	2.0	2007	2009	WS176
SEAT	Arona	Gasolina	1.6	2017		WS264
SEAT	Ateca	Gasolina	1.4	2016		WS264
SEAT	Ateca	Gasolina	1.4	2016		WS264
SEAT	Ateca	Gasolina	2.0	2017		WS263
SEAT	Córdoba	Gasolina	1.6	2006	2009	WS212
SEAT	Exeo	Gasolina	1.8	2008	2010	WS143
SEAT	Exeo	Gasolina	1.8	2010	2013	WS162
SEAT	Exeo	Gasolina	1.8	2010	2013	WS162
SEAT	Exeo	Gasolina	2.0	2010	2013	WS162
SEAT	Exeo ST	Gasolina	1.8	2009	2010	WS143
SEAT	Exeo ST	Gasolina	1.8	2010	2013	WS162
SEAT	Exeo ST	Gasolina	1.8	2010	2013	WS162
SEAT	Exeo ST	Gasolina	2.0	2010	2013	WS162
SEAT	Ibiza	Gasolina	1.4	2008	2015	WS212
SEAT	Ibiza	Gasolina	1.6	2006	2009	WS212

PEUGEOT

PONTIAC

ROLLS-ROYCE

SCION

SEAT

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



SEAT

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
SEAT	Ibiza	Gasolina	1.6	2008	2012	WS212
SEAT	Ibiza	Gasolina	1.6	2015	2017	WS264
SEAT	Ibiza	Gasolina	1.6	2017		WS264
SEAT	Ibiza	Gasolina	1.8	2003	2008	WS143
SEAT	Ibiza	Gasolina	1.8	2004	2008	WS143
SEAT	Ibiza SC	Gasolina	1.4	2009	2015	WS212
SEAT	Ibiza SC	Gasolina	1.4	2009	2015	WS212
SEAT	Ibiza SC	Gasolina	1.6	2008	2015	WS212
SEAT	Ibiza SC	Gasolina	1.6	2015	2016	WS264
SEAT	Ibiza SC	Gasolina	1.8	2015	2016	WS263
SEAT	Ibiza ST	Gasolina	1.4	2012	2015	WS212
SEAT	Ibiza ST	Gasolina	1.6	2012	2015	WS212
SEAT	León	Gasolina	1.4	2007	2013	WS212
SEAT	León	Gasolina	1.4	2014		WS264
SEAT	León	Gasolina	1.4	2014		WS264
SEAT	León	Gasolina	1.4	2014		WS264
SEAT	León	Gasolina	1.8	1999	2005	WS143
SEAT	León	Gasolina	1.8	2000	2004	WS143
SEAT	León	Gasolina	1.8	2002	2003	WS143
SEAT	León	Gasolina	1.8	2003	2006	WS143
SEAT	León	Gasolina	1.8	2007	2013	WS162
SEAT	León	Gasolina	1.8	2013		WS263
SEAT	León	Gasolina	1.8	2013		WS263
SEAT	León	Gasolina	2.0	2005	2009	WS176
SEAT	León	Gasolina	2.0	2006	2011	WS176
SEAT	León	Gasolina	2.0	2009	2013	WS162
SEAT	León	Gasolina	2.0	2009	2013	WS176
SEAT	León	Gasolina	2.0	2013		WS263
SEAT	León	Gasolina	2.0	2013		WS263
SEAT	León	Gasolina	2.0	2015		WS263
SEAT	León	Gasolina	2.0	2015	2016	WS263
SEAT	León	Gasolina	2.0	2017		WS263
SEAT	León	Gasolina	2.0	2017		WS263
SEAT	León	Gasolina	2.0	2018		WS263
SEAT	León	GLP (con o sin gasolina)	1.4	2013		WS264
SEAT	León SC	Gasolina	1.4	2014	2018	WS264
SEAT	León SC	Gasolina	1.4	2014	2018	WS264
SEAT	León SC	Gasolina	1.8	2013	2018	WS263
SEAT	León SC	Gasolina	2.0	2013	2016	WS263
SEAT	León SC	Gasolina	2.0	2013	2016	WS263
SEAT	León SC	Gasolina	2.0	2015	2016	WS263
SEAT	León SC	Gasolina	2.0	2017	2018	WS263
SEAT	León ST	Gasolina	1.4	2014		WS264
SEAT	León ST	Gasolina	1.4	2014		WS264
SEAT	León ST	Gasolina	1.4	2014		WS264
SEAT	León ST	Gasolina	1.8	2013		WS263
SEAT	León ST	Gasolina	1.8	2013		WS263
SEAT	León ST	Gasolina	1.8	2014		WS263
SEAT	León ST	Gasolina	2.0	2013		WS263
SEAT	León ST	Gasolina	2.0	2013		WS263
SEAT	León ST	Gasolina	2.0	2013		WS263
SEAT	León ST	Gasolina	2.0	2015		WS263
SEAT	León ST	Gasolina	2.0	2016		WS263
SEAT	León ST	Gasolina	2.0	2016		WS263
SEAT	León ST	Gasolina	2.0	2016		WS263
SEAT	León ST	Gasolina	2.0	2016		WS263
SEAT	León ST	Gasolina	2.0	2016		WS263
SEAT	León ST	Gasolina	2.0	2016		WS263
SEAT	León ST	Gasolina	2.0	2016		WS263
SEAT	León ST	Gasolina	2.0	2018		WS263
SEAT	León ST	Gasolina	2.0	2018		WS263
SEAT	León ST	GLP (con o sin gasolina)	1.4	2014		WS264
SEAT	Tarraco	Gasolina	2.0	2018		WS263

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
SEAT	Toledo	Gasolina	1.4	2012	2015	WS212
SEAT	Toledo	Gasolina	1.6	2012	2015	WS212
SEAT	Toledo	Gasolina	1.8	1999	2005	WS143
SEAT	Toledo	Gasolina	1.8	2000	2004	WS143
SEAT	Toledo	Gasolina	1.8	2007	2009	WS162
SEAT	Toledo	Gasolina	2.0	2005	2009	WS176
SKODA						
SKODA	Fabia	Gasolina	1.6	2007	2014	WS212
SKODA	Fabia	Gasolina	1.6	2007	2014	WS212
SKODA	Fabia Scout	Gasolina	1.6	2010	2014	WS212
SKODA	Fabia Scout	Gasolina	1.6	2010	2014	WS212
SKODA	Karoq	Gasolina	2.0	2019		WS263
SKODA	Kodiaq	Gasolina	2.0	2016		WS263
SKODA	Kodiaq	Gasolina	2.0	2019		WS263
SKODA	Kodiaq Scout	Gasolina	2.0	2017		WS263
SKODA	Kodiaq Scout	Gasolina	2.0	2019		WS263
SKODA	Octavia	Gasolina	1.4	2008	2013	WS212
SKODA	Octavia	Gasolina	1.4	2008	2013	WS212
SKODA	Octavia	Gasolina	1.6	2004	2008	WS212
SKODA	Octavia	Gasolina	1.6	2004	2008	WS212
SKODA	Octavia	Gasolina	1.8	1997	2010	WS143
SKODA	Octavia	Gasolina	1.8	1998	2010	WS143
SKODA	Octavia	Gasolina	1.8	2000	2006	WS143
SKODA	Octavia	Gasolina	1.8	2000	2006	WS143
SKODA	Octavia	Gasolina	1.8	2000	2006	WS143
SKODA	Octavia	Gasolina	1.8	2000	2006	WS143
SKODA	Octavia	Gasolina	1.8	2007	2013	WS162
SKODA	Octavia	Gasolina	1.8	2007	2013	WS162
SKODA	Octavia	Gasolina	1.8	2008	2013	WS162
SKODA	Octavia	Gasolina	1.8	2009	2013	WS162
SKODA	Octavia	Gasolina	1.8	2009	2013	WS162
SKODA	Octavia	Gasolina	1.8	2009	2013	WS162
SKODA	Octavia	Gasolina	1.8	2012		WS263
SKODA	Octavia	Gasolina	1.8	2012		WS263
SKODA	Octavia	Gasolina	1.8	2013		WS263
SKODA	Octavia	Gasolina	1.8	2014		WS263
SKODA	Octavia	Gasolina	2.0	2005	2013	WS162
SKODA	Octavia	Gasolina	2.0	2005	2013	WS162
SKODA	Octavia	Gasolina	2.0	2012		WS263
SKODA	Octavia	Gasolina	2.0	2013		WS263
SKODA	Octavia	Gasolina	2.0	2015		WS263
SKODA	Octavia	Gasolina	2.0	2015		WS263
SKODA	Octavia	Gasolina	2.0	2017		WS263
SKODA	Octavia	Gasolina	2.0	2017		WS263
SKODA	Octavia	Gasolina	2.0	2017		WS263
SKODA	Octavia	Gasolina	2.0	2017		WS263
SKODA	Octavia	Gasolina	2.0	2019		WS263
SKODA	Octavia	Gasolina	2.0	2019		WS263
SKODA	Octavia Scout	Gasolina	1.8	2008	2013	WS162
SKODA	Octavia Scout	Gasolina	1.8	2009	2009	WS162
SKODA	Octavia Scout	Gasolina	1.8	2013		WS263
SKODA	Octavia Scout	Gasolina	2.0	2019		WS263
SKODA	Rapid	Gasolina	1.6	2012	2015	WS212
SKODA	Rapid Spaceback	Gasolina	1.6	2012	2015	WS212
SKODA	Roomster	Gasolina	1.6	2006	2015	WS212
SKODA	Roomster	GLP (con o sin gasolina)	1.6	2006	2010	WS212
SKODA	Roomster Scout	Gasolina	1.6	2006	2015	WS212
SKODA	Superb	Gasolina	1.8	2001	2008	WS143
SKODA	Superb	Gasolina	1.8	2008	2015	WS162
SKODA	Superb	Gasolina	1.8	2008	2015	WS162

SEAT

SKODA

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



SKODA

TOYOTA

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
SKODA	Superb	Gasolina	1.8	2009	2015	WS162
SKODA	Superb	Gasolina	1.8	2009	2015	WS162
SKODA	Superb	Gasolina	1.8	2009	2015	WS162
SKODA	Superb	Gasolina	1.8	2009	2015	WS162
SKODA	Superb	Gasolina	1.8	2009	2015	WS162
SKODA	Superb	Gasolina	1.8	2009	2015	WS162
SKODA	Superb	Gasolina	1.8	2015		WS263
SKODA	Superb	Gasolina	1.8	2015		WS263
SKODA	Superb	Gasolina	2.0	2010	2015	WS162
SKODA	Superb	Gasolina	2.0	2010	2015	WS162
SKODA	Superb	Gasolina	2.0	2015		WS263
SKODA	Superb	Gasolina	2.0	2015		WS263
SKODA	Superb	Gasolina	2.0	2015		WS263
SKODA	Superb	Gasolina	2.0	2015		WS263
SKODA	Superb	Gasolina	2.0	2015		WS263
SKODA	Superb	Gasolina	2.0	2019		WS263
SKODA	Superb	Gasolina	2.0	2019		WS263
SKODA	Superb	Gasolina	2.8	2001	2008	WS236
SKODA	Superb	Gasolina	2.8	2002	2008	WS236
SKODA	Yeti	Gasolina	1.4	2010	2015	WS212
SKODA	Yeti	Gasolina	1.8	2009	2017	WS162
SKODA	Yeti	Gasolina	1.8	2009	2017	WS162
TOYOTA						
TOYOTA	Alphard	Gasolina	3.5	2008	2014	WS108
TOYOTA	Alphard	Gasolina	3.5	2008	2014	WS108
TOYOTA	Alphard	Gasolina	3.5	2015		WS108
TOYOTA	Aurion	Gasolina	3.5	2006	2011	WS108
TOYOTA	Aurion	Gasolina	3.5	2011		WS108
TOYOTA	Auris	Gasolina	1.4	2006	2012	WS112
TOYOTA	Avalon	Gasolina	3.5	2004	2005	WS108
TOYOTA	Avalon	Gasolina	3.5	2005	2012	WS108
TOYOTA	Avalon	Gasolina	3.5	2005	2012	WS108
TOYOTA	Avalon	Gasolina	3.5	2012	2018	WS108
TOYOTA	Avalon	Gasolina	3.5	2012	2018	WS108
TOYOTA	Avalon	Totalmente híbrido/gasolina	2.5	2012	2018	WS120
TOYOTA	Avensis	Gasolina	1.6	2000	2003	WS112
TOYOTA	Avensis	Gasolina	1.6	2000	2003	WS112
TOYOTA	Avensis	Gasolina	1.6	2003	2008	WS112
TOYOTA	Avensis	Gasolina	1.6	2003	2008	WS112
TOYOTA	Avensis	Gasolina	1.8	2000	2003	WS112
TOYOTA	Avensis	Gasolina	1.8	2000	2003	WS112
TOYOTA	Avensis	Gasolina	1.8	2003	2008	WS112
TOYOTA	Avensis	Gasolina	1.8	2003	2008	WS112
TOYOTA	Avensis	Gasolina	2.0	2000	2003	WS107
TOYOTA	Avensis	Gasolina	2.0	2000	2003	WS107
TOYOTA	Avensis	Gasolina	2.0	2003	2008	WS107
TOYOTA	Avensis	Gasolina	2.0	2003	2008	WS107
TOYOTA	Avensis	Gasolina	2.0	2003	2008	WS107
TOYOTA	Avensis	Gasolina	2.4	2003	2008	WS107
TOYOTA	Avensis	Gasolina	2.4	2003	2008	WS107
TOYOTA	Avensis	Gasolina	2.4	2003	2008	WS107
TOYOTA	Avensis	Gasolina	2.4	2003	2008	WS107
TOYOTA	Avensis Estate/Wagon	Gasolina	1.6	2000	2003	WS112
TOYOTA	Avensis Estate/Wagon	Gasolina	1.6	2003	2008	WS112
TOYOTA	Avensis Estate/Wagon	Gasolina	1.8	2000	2003	WS112
TOYOTA	Avensis Estate/Wagon	Gasolina	1.8	2003	2008	WS112
TOYOTA	Avensis Estate/Wagon	Gasolina	2.0	2000	2003	WS107
TOYOTA	Avensis Estate/Wagon	Gasolina	2.0	2003	2008	WS107
TOYOTA	Avensis Estate/Wagon	Gasolina	2.0	2003	2008	WS107
TOYOTA	Avensis Estate/Wagon	Gasolina	2.4	2003	2008	WS107

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
TOYOTA	Avenis Estate/Wagon	Gasolina	2.4	2003	2008	WS107
TOYOTA	Avenis Verso	Gasolina	2.0	2001	2005	WS107
TOYOTA	Camry	Gasolina	2.0	2001	2006	WS107
TOYOTA	Camry	Gasolina	2.0	2011		WS107
TOYOTA	Camry	Gasolina	2.4	2001	2006	WS107
TOYOTA	Camry	Gasolina	2.4	2006	2011	WS107
TOYOTA	Camry	Gasolina	2.4	2006	2011	WS107
TOYOTA	Camry	Gasolina	2.4	2006	2011	WS107
TOYOTA	Camry	Gasolina	2.5	2011		WS120
TOYOTA	Camry	Gasolina	2.5	2011		WS120
TOYOTA	Camry	Gasolina	2.5	2012		WS120
TOYOTA	Camry	Gasolina	3.5	2006	2011	WS108
TOYOTA	Camry	Gasolina	3.5	2006	2012	WS108
TOYOTA	Camry	Gasolina	3.5	2006	2014	WS108
TOYOTA	Camry	Gasolina	3.5	2011	2017	WS108
TOYOTA	Camry	Gasolina	3.5	2012		WS108
TOYOTA	Camry Solara	Gasolina	2.4	2003	2006	WS107
TOYOTA	Camry Solara	Gasolina	2.4	2003	2007	WS107
TOYOTA	Celica	Gasolina	1.8	1999	2006	WS112
TOYOTA	Celica (Nato)	Gasolina	1.8	1999	2002	WS112
TOYOTA	Corolla	Gasolina	1.4	1999	2001	WS112
TOYOTA	Corolla	Gasolina	1.4	1999	2002	WS112
TOYOTA	Corolla	Gasolina	1.4	2001	2006	WS112
TOYOTA	Corolla	Gasolina	1.4	2001	2007	WS112
TOYOTA	Corolla	Gasolina	1.4	2006	2013	WS112
TOYOTA	Corolla	Gasolina	1.6	1999	2001	WS112
TOYOTA	Corolla	Gasolina	1.6	1999	2002	WS112
TOYOTA	Corolla	Gasolina	1.6	2001	2008	WS112
TOYOTA	Corolla	Gasolina	1.6	2002	2006	WS112
TOYOTA	Corolla	Gasolina	1.8	2007	2012	WS120
TOYOTA	Corolla	Gasolina	1.8	2007	2014	WS120
TOYOTA	Corolla	Gasolina	1.8	2008	2014	WS120
TOYOTA	Corolla	Gasolina	1.8	2008	2012	WS120
TOYOTA	Corolla	Gasolina	1.8	2013	2018	WS120
TOYOTA	Corolla	Totalmente híbrido/gasolina	1.8	2018		WS120
TOYOTA	Corolla	Totalmente híbrido/gasolina	1.8	2019		WS120
TOYOTA	Corolla	Totalmente híbrido/gasolina	1.8	2019		WS120
TOYOTA	Corolla Altis	Gasolina	1.6	2002	2008	WS112
TOYOTA	Corolla Altis	Gasolina	2.0	2014	2018	WS120
TOYOTA	Corolla Axio	Gasolina	1.8	2006	2010	WS120
TOYOTA	Corolla Estate/Wagon	Gasolina	1.4	1999	2001	WS112
TOYOTA	Corolla Estate/Wagon	Gasolina	1.4	2001	2006	WS112
TOYOTA	Corolla Estate/Wagon	Gasolina	1.6	1999	2001	WS112
TOYOTA	Corolla Estate/Wagon	Gasolina	1.6	2002	2007	WS112
TOYOTA	Corolla Verso	Gasolina	1.6	2001	2004	WS112
TOYOTA	Echo	Gasolina	1.5	1999	2005	WS111
TOYOTA	Echo	Gasolina	1.5	1999	2005	WS111
TOYOTA	Echo	Gasolina	1.5	2001	2005	WS111
TOYOTA	Estima	Gasolina	2.4	2000	2006	WS107
TOYOTA	Estima	Gasolina	2.4	2000	2006	WS107
TOYOTA	Estima	Gasolina	2.4	2000	2006	WS107
TOYOTA	Highlander	Gasolina	2.7	2009	2014	WS120
TOYOTA	Highlander	Gasolina	2.7	2014		WS120
TOYOTA	Highlander	Gasolina	3.5	2014		WS107
TOYOTA	Land Cruiser 100	Gasolina	4.7	2002	2008	WS124
TOYOTA	Land Cruiser 200	Gasolina	4.7	2007		WS124
TOYOTA	Land Cruiser 200	Gasolina	4.7	2008		WS124
TOYOTA	Land Cruiser Amazon	Gasolina	4.7	2002	2007	WS124
TOYOTA	Land Cruiser V8	Gasolina	4.7	2008		WS124
TOYOTA	Land Cruiser V8	Gasolina	4.7	2008		WS124

TOYOTA

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



TOYOTA

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
TOYOTA	Matrix	Gasolina	1.8	2008		WS120
TOYOTA	MR2	Gasolina	1.8	1999	2007	WS112
TOYOTA	Prado	Gasolina	4.7	2002	2008	WS124
TOYOTA	Prado	Gasolina	4.7	2002	2008	WS124
TOYOTA	Prado	Gasolina	4.7	2002	2008	WS124
TOYOTA	Premio	Gasolina	1.8	2007		WS120
TOYOTA	Premio	Gasolina	1.8	2008		WS120
TOYOTA	Previa	Gasolina	2.4	2000	2005	WS107
TOYOTA	Previa	Gasolina	3.5	2006		WS108
TOYOTA	Previa	Gasolina	3.5	2006		WS108
TOYOTA	Prius	Totalmente híbrido/gasolina	1.8	2008		WS120
TOYOTA	Prius	Totalmente híbrido/gasolina	1.8	2015		WS120
TOYOTA	Prius	Totalmente híbrido/gasolina	1.8	2015		WS120
TOYOTA	RAV 4	Gasolina	1.8	2000	2005	WS112
TOYOTA	RAV 4	Gasolina	2.0	2000	2005	WS107
TOYOTA	RAV 4	Gasolina	2.0	2006	2013	WS107
TOYOTA	RAV 4	Gasolina	2.4	2000	2005	WS107
TOYOTA	RAV 4	Gasolina	2.4	2005	2013	WS107
TOYOTA	RAV 4	Gasolina	2.4	2005	2013	WS107
TOYOTA	RAV 4	Gasolina	2.5	2012		WS120
TOYOTA	RAV 4	Gasolina	2.5	2012	2018	WS120
TOYOTA	RAV 4	Gasolina	2.5	2013	2018	WS120
TOYOTA	RAV 4	Gasolina	2.5	2013	2018	WS120
TOYOTA	RAV 4	Gasolina	3.5	2005	2012	WS108
TOYOTA	RunX	Gasolina	1.4	2003	2003	WS112
TOYOTA	RunX	Gasolina	1.6	2003	2003	WS112
TOYOTA	Sequoia	Gasolina	4.7	2000	2007	WS124
TOYOTA	Sequoia	Gasolina	4.7	2000	2007	WS124
TOYOTA	Sequoia	Gasolina	4.7	2004	2007	WS124
TOYOTA	Sequoia	Gasolina	4.7	2004	2007	WS124
TOYOTA	Sequoia	Gasolina	4.7	2007	2014	WS124
TOYOTA	Sequoia	Gasolina	4.7	2007	2014	WS124
TOYOTA	Sequoia	Gasolina	5.7	2007		WS130
TOYOTA	Sequoia	Gasolina	5.7	2007		WS130
TOYOTA	Sequoia	Gasolina	5.7	2008		WS130
TOYOTA	Sequoia	Biocarburante (etanol) o metanol	5.7	2007		WS130
TOYOTA	Sequoia	Biocarburante (etanol) o metanol	5.7	2009		WS130
TOYOTA	Sequoia	Gasolina	4.6	2010	2010	WS130
TOYOTA	Sequoia	Gasolina	4.6	2010	2010	WS130
TOYOTA	Sienna	Gasolina	2.7	2010	2013	WS120
TOYOTA	Sienna	Gasolina	3.5	2006	2009	WS108
TOYOTA	Sienna	Gasolina	3.5	2007	2010	WS108
TOYOTA	Sienna	Gasolina	3.5	2010		WS108
TOYOTA	Sienna	Gasolina	3.5	2010		WS108
TOYOTA	Tundra	Gasolina	4.6	2006	2013	WS130
TOYOTA	Tundra	Gasolina	4.7	1999	2006	WS124
TOYOTA	Tundra	Gasolina	4.7	1999	2006	WS124
TOYOTA	Tundra	Gasolina	4.7	1999	2006	WS124
TOYOTA	Tundra	Gasolina	4.7	1999	2006	WS124
TOYOTA	Tundra	Gasolina	4.7	1999	2006	WS124
TOYOTA	Tundra	Gasolina	4.7	1999	2006	WS124
TOYOTA	Tundra	Gasolina	4.7	2006	2009	WS124
TOYOTA	Tundra	Gasolina	4.7	2006	2009	WS124
TOYOTA	Tundra	Gasolina	5.7	2006		WS130
TOYOTA	Tundra	Gasolina	5.7	2006		WS130
TOYOTA	Tundra	Biocarburante (etanol) o metanol	5.7	2006	2013	WS130
TOYOTA	Tundra	Biocarburante (etanol) o metanol	5.7	2012	2013	WS130
TOYOTA	Vellfire	Gasolina	3.5	2008	2014	WS108

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
TOYOTA	Venza	Gasolina	2.7	2008	2016	WS120
TOYOTA	Venza	Gasolina	2.7	2008	2016	WS120
TOYOTA	Venza	Gasolina	2.7	2012		WS120
TOYOTA	Venza	Gasolina	2.7	2012	2016	WS120
TOYOTA	Venza	Gasolina	3.5	2009	2016	WS108
TOYOTA	Venza	Gasolina	3.5	2009	2016	WS108
TOYOTA	Yaris	Gasolina	1.5	2001	2005	WS111
TOYOTA	Yaris	Gasolina	1.5	2003	2005	WS111
TOYOTA	Yaris	Gasolina	1.5	2003	2005	WS111
TOYOTA	Yaris	Gasolina	1.5	2005	2014	WS111
TOYOTA	Yaris	Gasolina	1.5	2007	2013	WS111
TOYOTA	Yaris	Gasolina	1.5	2010		WS111
TOYOTA	Yaris	Gasolina	1.5	2013		WS111
TOYOTA	Yaris	Gasolina	1.5	2014		WS111
TOYOTA	Yaris Verso	Gasolina	1.5	2000	2005	WS111
TOYOTA	Yaris Verso	Gasolina	1.5	2003	2005	WS111
TOYOTA	Yaris Verso Van	Gasolina	1.5	2000	2003	WS111
VOLVO						
VOLVO	S60	Gasolina	3.0	2010	2016	WS194
VOLVO	S60	Gasolina	3.0	2010	2015	WS194
VOLVO	S60	Gasolina	3.0	2014	2018	WS194
VOLVO	S80	Gasolina	3.0	2007	2010	WS194
VOLVO	S80	Gasolina	3.0	2011		WS194
VOLVO	S80	Gasolina	3.2	2006	2014	WS194
VOLVO	S80	Gasolina	3.2	2006	2010	WS194
VOLVO	S80	Gasolina	3.2	2010		WS194
VOLVO	S80	Gasolina	3.2	2010	2014	WS194
VOLVO	S80	Biocarburante (etanol) o metanol	3.2	2009	2010	WS194
VOLVO	V60	Gasolina	3.0	2010	2015	WS194
VOLVO	V60	Gasolina	3.0	2014	2015	WS194
VOLVO	V60	Gasolina	3.0	2014	2018	WS194
VOLVO	V70	Gasolina	3.0	2007	2010	WS194
VOLVO	V70	Gasolina	3.0	2011		WS194
VOLVO	V70	Gasolina	3.0	2013	2016	WS194
VOLVO	V70	Gasolina	3.2	2007	2010	WS194
VOLVO	V70	Gasolina	3.2	2007	2012	WS194
VOLVO	V70	Gasolina	3.2	2010		WS194
VOLVO	V70	Gasolina	3.2	2010		WS194
VOLVO	XC60	Gasolina	3.0	2008	2010	WS194
VOLVO	XC60	Gasolina	3.0	2009	2017	WS194
VOLVO	XC60	Gasolina	3.0	2014	2015	WS194
VOLVO	XC60	Gasolina	3.2	2009	2010	WS194
VOLVO	XC60	Gasolina	3.2	2010	2017	WS194
VOLVO	XC70	Gasolina	3.0	2008	2016	WS194
VOLVO	XC70	Gasolina	3.0	2010	2015	WS194
VOLVO	XC70	Gasolina	3.0	2013	2016	WS194
VOLVO	XC70	Gasolina	3.2	2007	2011	WS194
VOLVO	XC70	Gasolina	3.2	2010	2014	WS194
VOLVO	XC90	Gasolina	3.2	2006	2014	WS194
VOLVO	XC90	Gasolina	3.2	2011	2014	WS194
VOLVO	XC90	Gasolina	3.2	2011	2014	WS194
VW						
VW	Amarok	Gasolina	2.0	2010	2016	WS162
VW	Arteon	Gasolina	2.0	2017		WS263
VW	Arteon	Gasolina	2.0	2017		WS263
VW	Arteon	Gasolina	2.0	2018		WS263
VW	Arteon Shooting Brake	Gasolina	2.0	2020		WS263
VW	Arteon Shooting Brake	Gasolina	2.0	2020		WS263
VW	Beetle	Gasolina	1.4	2011	2016	WS212
VW	Beetle	Gasolina	1.4	2011	2016	WS212

TOYOTA

VOLVO

VW

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VW

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
VW	Beetle	Gasolina	1.4	2014	2018	WS264
VW	Beetle	Gasolina	1.4	2014	2019	WS264
VW	Beetle	Gasolina	2.0	2010	2016	WS161
VW	Beetle	Gasolina	2.0	2011	2016	WS161
VW	Beetle	Gasolina	2.0	2012	2016	WS263
VW	Beetle	Gasolina	2.0	2014	2018	WS263
VW	Beetle	Gasolina	2.0	2014	2018	WS263
VW	Beetle	Gasolina	2.5	2011	2016	WS160
VW	Bjalla	Gasolina	2.0	2011	2016	WS161
VW	Bora	Gasolina	1.8	1999	2005	WS143
VW	Bora	Gasolina	1.8	2001	2008	WS143
VW	Bora Estate/Variant	Gasolina	1.8	2000	2005	WS143
VW	Bora Estate/Variant	Gasolina	1.8	2001	2005	WS143
VW	Caddy	Gasolina	1.4	2018		WS264
VW	Caddy	Gasolina	1.4	2019		WS264
VW	Caddy Alltrack	Gasolina	1.4	2018		WS264
VW	Caddy Alltrack	Gasolina	1.4	2019		WS264
VW	Caddy Maxi	Gasolina	1.4	2018		WS264
VW	Caddy Maxi	Gasolina	1.4	2019		WS264
VW	California	Gasolina	2.0	2011	2015	WS162
VW	California	Gasolina	2.0	2011	2015	WS162
VW	California	Gasolina	2.0	2012	2015	WS162
VW	California	Gasolina	2.0	2015		WS162
VW	California	Gasolina	2.0	2015		WS162
VW	California	Gasolina	2.0	2015		WS162
VW	Campmobile	Gasolina	2.0	2011	2015	WS162
VW	Campmobile	Gasolina	2.0	2011	2015	WS162
VW	Campmobile	Gasolina	2.0	2012	2015	WS162
VW	Campmobile	Gasolina	2.0	2015		WS162
VW	Campmobile	Gasolina	2.0	2015		WS162
VW	Campmobile	Gasolina	2.0	2015		WS162
VW	Caravelle	Gasolina	2.0	2011	2015	WS162
VW	Caravelle	Gasolina	2.0	2011	2015	WS162
VW	Caravelle	Gasolina	2.0	2012	2015	WS162
VW	Caravelle	Gasolina	2.0	2015		WS162
VW	Caravelle	Gasolina	2.0	2015		WS162
VW	Caravelle	Gasolina	2.0	2015		WS162
VW	CC	Gasolina	1.4	2011	2016	WS212
VW	CC	Gasolina	1.8	2011	2016	WS162
VW	CC	Gasolina	1.8	2011	2016	WS162
VW	CC	Gasolina	2.0	2009	2011	WS161
VW	CC	Gasolina	2.0	2011	2016	WS161
VW	CC	Gasolina	2.0	2011	2016	WS162
VW	CC	Biocarburante (etanol) o metanol	1.4	2011	2016	WS212
VW	Eos	Gasolina	1.4	2007	2015	WS212
VW	Eos	Gasolina	1.4	2008	2015	WS212
VW	Eos	Gasolina	1.6	2006	2008	WS212
VW	Eos	Gasolina	2.0	2006	2015	WS161
VW	Eos	Gasolina	2.0	2009	2015	WS162
VW	Golf	Gasolina	1.4	2005	2008	WS212
VW	Golf	Gasolina	1.4	2006	2008	WS212
VW	Golf	Gasolina	1.4	2007	2008	WS212
VW	Golf	Gasolina	1.4	2008	2012	WS212
VW	Golf	Gasolina	1.4	2008	2012	WS212
VW	Golf	Gasolina	1.4	2008	2012	WS212
VW	Golf	Gasolina	1.4	2008	2012	WS212
VW	Golf	Gasolina	1.4	2012		WS264
VW	Golf	Gasolina	1.4	2012		WS264
VW	Golf	Gasolina	1.4	2014		WS264
VW	Golf	Gasolina	1.4	2014		WS264

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
VW	Golf	Gasolina	1.6	2003	2008	WVS212
VW	Golf	Gasolina	1.6	2014		WVS264
VW	Golf	Gasolina	1.8	1997	2007	WVS143
VW	Golf	Gasolina	1.8	2001	2007	WVS143
VW	Golf	Gasolina	1.8	2007	2010	WVS143
VW	Golf	Gasolina	1.8	2007	2008	WVS143
VW	Golf	Gasolina	1.8	2009	2011	WVS162
VW	Golf	Gasolina	2.0	2004	2009	WVS176
VW	Golf	Gasolina	2.0	2006	2008	WVS176
VW	Golf	Gasolina	2.0	2009	2012	WVS162
VW	Golf	Gasolina	2.0	2009	2012	WVS162
VW	Golf	Gasolina	2.0	2009	2013	WVS161
VW	Golf	Gasolina	2.0	2013		WVS263
VW	Golf	Gasolina	2.0	2013		WVS263
VW	Golf	Gasolina	2.0	2013		WVS263
VW	Golf	Gasolina	2.0	2013		WVS263
VW	Golf	Gasolina	2.0	2013		WVS263
VW	Golf	Gasolina	2.0	2013		WVS263
VW	Golf	Gasolina	2.0	2013		WVS263
VW	Golf	Gasolina	2.0	2015		WVS263
VW	Golf	Gasolina	2.0	2016		WVS263
VW	Golf	Gasolina	2.0	2016		WVS263
VW	Golf	Gasolina	2.0	2017		WVS263
VW	Golf	Gasolina	2.0	2018		WVS263
VW	Golf	Gasolina	2.5	2009	2013	WVS160
VW	Golf	Híbrido enchufable/gasolina	1.4	2014		WVS264
VW	Golf	Biocarburante (etanol) o metanol	1.4	2014		WVS264
VW	Golf Alltrack	Gasolina	1.8	2014		WVS263
VW	Golf Cabrio	Gasolina	1.4	2011	2016	WVS212
VW	Golf Cabrio	Gasolina	1.4	2011	2016	WVS212
VW	Golf Cabrio	Gasolina	1.4	2013	2016	WVS264
VW	Golf Cabrio	Gasolina	1.4	2013	2016	WVS264
VW	Golf Cabrio	Gasolina	2.0	2012	2016	WVS162
VW	Golf Estate/Variant	Gasolina	1.4	2007	2008	WVS212
VW	Golf Estate/Variant	Gasolina	1.4	2007	2008	WVS212
VW	Golf Estate/Variant	Gasolina	1.4	2007	2009	WVS212
VW	Golf Estate/Variant	Gasolina	1.4	2008	2009	WVS212
VW	Golf Estate/Variant	Gasolina	1.4	2009	2013	WVS212
VW	Golf Estate/Variant	Gasolina	1.4	2009	2013	WVS212
VW	Golf Estate/Variant	Gasolina	1.4	2013	2017	WVS264
VW	Golf Estate/Variant	Gasolina	1.4	2014		WVS264
VW	Golf Estate/Variant	Gasolina	1.4	2014		WVS264
VW	Golf Estate/Variant	Gasolina	1.6	2014	2017	WVS264
VW	Golf Estate/Variant	Gasolina	1.8	1999	2006	WVS143
VW	Golf Estate/Variant	Gasolina	1.8	2016		WVS263
VW	Golf Estate/Variant	Gasolina	2.0	2007	2009	WVS161
VW	Golf Estate/Variant	Gasolina	2.0	2009	2013	WVS162
VW	Golf Estate/Variant	Gasolina	2.0	2015		WVS263
VW	Golf Estate/Variant	Gasolina	2.0	2016		WVS263
VW	Golf Estate/Variant	Gasolina	2.0	2016		WVS263
VW	Golf Estate/Variant	Biocarburante (etanol) o metanol	1.4	2014	2017	WVS264
VW	Golf Plus	Gasolina	1.4	2006	2008	WVS212
VW	Golf Plus	Gasolina	1.4	2006	2008	WVS212
VW	Golf Plus	Gasolina	1.4	2007	2014	WVS212
VW	Golf Plus	Gasolina	1.4	2008	2014	WVS212
VW	Golf Plus	Gasolina	1.4	2009	2012	WVS212
VW	Golf Plus	Gasolina	1.4	2009	2014	WVS212
VW	Golf Plus	Gasolina	1.6	2004	2008	WVS212
VW	Golf Sportsvan	Gasolina	1.4	2014		WVS264
VW	Golf Sportsvan	Gasolina	1.4	2014		WVS264
VW	Golf Sportsvan	Gasolina	1.6	2014		WVS264

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VW

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
VW	Golf Sportsvan	Biocarburante (etanol) o metanol	1.4	2014		WS264
VW	Golf Van (Variant)	Gasolina	1.4	2009	2012	WS212
VW	Golf Van (Variant)	Gasolina	1.4	2009	2014	WS212
VW	Golf Van (Variant)	Gasolina	1.4	2013	2017	WS264
VW	Jetta	Gasolina	1.4	2006	2008	WS212
VW	Jetta	Gasolina	1.4	2006	2008	WS212
VW	Jetta	Gasolina	1.4	2007	2010	WS212
VW	Jetta	Gasolina	1.4	2008	2010	WS212
VW	Jetta	Gasolina	1.4	2011		WS212
VW	Jetta	Gasolina	1.4	2011		WS212
VW	Jetta	Gasolina	1.4	2014		WS264
VW	Jetta	Gasolina	1.4	2014		WS264
VW	Jetta	Gasolina	1.6	2005	2008	WS212
VW	Jetta	Gasolina	1.8	2014		WS263
VW	Jetta	Gasolina	2.0	2005	2010	WS176
VW	Jetta	Gasolina	2.0	2010	2014	WS161
VW	Jetta	Gasolina	2.0	2012	2017	WS263
VW	Jetta	Totalmente híbrido/gasolina	1.4	2012		WS264
VW	Multivan	Gasolina	2.0	2011	2015	WS162
VW	Multivan	Gasolina	2.0	2011	2015	WS162
VW	Multivan	Gasolina	2.0	2012	2015	WS162
VW	Multivan	Gasolina	2.0	2015		WS162
VW	Multivan	Gasolina	2.0	2015		WS162
VW	Multivan	Gasolina	2.0	2015		WS162
VW	New Beetle	Gasolina	1.8	1998	2010	WS143
VW	New Beetle	Gasolina	1.8	2003	2010	WS143
VW	New Beetle	Gasolina	2.5	2005	2010	WS160
VW	New Beetle	Gasolina	2.5	2005	2010	WS160
VW	Passat	Gasolina	1.4	2007	2010	WS212
VW	Passat	Gasolina	1.4	2010	2014	WS212
VW	Passat	Gasolina	1.4	2012	2014	WS212
VW	Passat	Gasolina	1.6	2005	2008	WS212
VW	Passat	Gasolina	1.8	2007	2010	WS161
VW	Passat	Gasolina	1.8	2008	2010	WS161
VW	Passat	Gasolina	1.8	2010	2014	WS162
VW	Passat	Gasolina	1.8	2011	2014	WS162
VW	Passat	Gasolina	2.0	2005	2010	WS161
VW	Passat	Gasolina	2.0	2007	2010	WS161
VW	Passat	Gasolina	2.0	2010	2014	WS162
VW	Passat	Gasolina	2.0	2018		WS263
VW	Passat	Gasolina	2.0	2018		WS263
VW	Passat	Gasolina	2.8	1997	1999	WS236
VW	Passat	Gasolina	2.8	1997	2000	WS236
VW	Passat	Gasolina	2.8	1997	2000	WS236
VW	Passat	Gasolina	2.8	1999	2000	WS236
VW	Passat	Gasolina	2.8	2000	2005	WS236
VW	Passat	Gasolina	2.8	2000	2005	WS236
VW	Passat	Gasolina	2.8	2000	2005	WS236
VW	Passat	Gasolina	2.8	2000	2005	WS236
VW	Passat	GLP (con o sin gasolina)	1.4	2009	2010	WS212
VW	Passat	GLP (con o sin gasolina)	1.4	2010	2014	WS212
VW	Passat	Híbrido enchufable/gasolina	1.4	2015		WS264
VW	Passat	Biocarburante (etanol) o metanol	1.4	2010	2014	WS212
VW	Passat Alltrack	Gasolina	1.8	2012	2013	WS162
VW	Passat Alltrack	Gasolina	1.8	2012	2014	WS162
VW	Passat Alltrack	Gasolina	2.0	2012	2014	WS162
VW	Passat Alltrack	Gasolina	2.0	2018		WS263
VW	Passat CC	Gasolina	1.8	2008	2011	WS161
VW	Passat CC	Gasolina	1.8	2008	2011	WS161
VW	Passat CC	Gasolina	2.0	2008	2011	WS161

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
VW	Passat CC	Gasolina	2.0	2010	2011	WS162
VW	Passat CC	Biocarburante (etanol) o metanol	1.4	2011	2011	WS212
VW	Passat Estate/Variant	Gasolina	1.4	2007	2010	WS212
VW	Passat Estate/Variant	Gasolina	1.4	2010	2014	WS212
VW	Passat Estate/Variant	Gasolina	1.4	2010	2014	WS212
VW	Passat Estate/Variant	Gasolina	1.4	2012	2014	WS212
VW	Passat Estate/Variant	Gasolina	1.6	2005	2008	WS212
VW	Passat Estate/Variant	Gasolina	1.8	2007	2010	WS161
VW	Passat Estate/Variant	Gasolina	1.8	2008	2010	WS161
VW	Passat Estate/Variant	Gasolina	1.8	2010	2014	WS162
VW	Passat Estate/Variant	Gasolina	1.8	2010	2014	WS162
VW	Passat Estate/Variant	Gasolina	1.8	2011	2014	WS162
VW	Passat Estate/Variant	Gasolina	2.0	2005	2010	WS161
VW	Passat Estate/Variant	Gasolina	2.0	2010	2014	WS162
VW	Passat Estate/Variant	Gasolina	2.0	2010	2015	WS162
VW	Passat Estate/Variant	Gasolina	2.0	2018		WS263
VW	Passat Estate/Variant	Gasolina	2.0	2018		WS263
VW	Passat Estate/Variant	Gasolina	2.8	1997	1999	WS236
VW	Passat Estate/Variant	Gasolina	2.8	1997	2000	WS236
VW	Passat Estate/Variant	Gasolina	2.8	1999	2000	WS236
VW	Passat Estate/Variant	Gasolina	2.8	1999	2000	WS236
VW	Passat Estate/Variant	Gasolina	2.8	2000	2005	WS236
VW	Passat Estate/Variant	Gasolina	2.8	2000	2005	WS236
VW	Passat Estate/Variant	Gasolina	2.8	2000	2005	WS236
VW	Passat Estate/Variant	Gasolina	2.8	2000	2005	WS236
VW	Passat Estate/Variant	GLP (con o sin gasolina)	1.4	2009	2010	WS212
VW	Passat Estate/Variant	GLP (con o sin gasolina)	1.4	2010	2014	WS212
VW	Passat Estate/Variant	Híbrido enchufable/gasolina	1.4	2015		WS264
VW	Passat Estate/Variant	Biocarburante (etanol) o metanol	1.4	2010	2014	WS212
VW	Polo	Gasolina	1.4	2010	2014	WS212
VW	Polo	Gasolina	1.4	2016		WS264
VW	Polo	Gasolina	1.6	2006	2009	WS212
VW	Polo	Gasolina	1.8	2005	2009	WS143
VW	Polo	Gasolina	2.0	2017		WS263
VW	Polo Classic	Gasolina	1.6	2007	2010	WS212
VW	Scirocco	Gasolina	1.4	2008	2014	WS212
VW	Scirocco	Gasolina	1.4	2008	2017	WS212
VW	Scirocco	Gasolina	1.4	2008	2014	WS212
VW	Scirocco	Gasolina	1.4	2008	2017	WS212
VW	Scirocco	Gasolina	2.0	2008	2009	WS161
VW	Scirocco	Gasolina	2.0	2009	2014	WS162
VW	Scirocco	Gasolina	2.0	2009	2014	WS176
VW	Scirocco	Gasolina	2.0	2009	2017	WS162
VW	Scirocco	Gasolina	2.0	2009	2017	WS176
VW	Sharan	Gasolina	1.4	2010	2015	WS212
VW	Sharan	Gasolina	1.4	2010	2015	WS212
VW	Sharan	Gasolina	1.4	2015		WS264
VW	Sharan	Gasolina	2.0	2010	2015	WS162
VW	Sharan	Gasolina	2.0	2010	2015	WS162
VW	Tiguan	Gasolina	1.4	2007	2018	WS212
VW	Tiguan	Gasolina	1.4	2008	2010	WS212
VW	Tiguan	Gasolina	1.4	2008	2018	WS212
VW	Tiguan	Gasolina	1.4	2010	2011	WS212
VW	Tiguan	Gasolina	1.4	2010	2018	WS212
VW	Tiguan	Gasolina	1.4	2011	2018	WS212
VW	Tiguan	Gasolina	1.4	2011	2018	WS212
VW	Tiguan	Gasolina	1.4	2012	2018	WS212
VW	Tiguan	Gasolina	1.4	2012	2018	WS212
VW	Tiguan	Gasolina	1.4	2015	2018	WS264
VW	Tiguan	Gasolina	1.4	2016	2018	WS264

VW

VVS POR APLICACIÓN

SOLENOIDES DE SINCRONIZACIÓN VARIABLE DE LAS VÁLVULAS



VW

Marca	Modelo	Combustible	Cilindrada	Año inicio	Año fin	VVS
VW	Tiguan	Gasolina	1.4	2016	2018	WS264
VW	Tiguan	Gasolina	1.4	2016	2018	WS264
VW	Tiguan	Gasolina	2.0	2007	2018	WS161
VW	Tiguan	Gasolina	2.0	2007	2018	WS161
VW	Tiguan	Gasolina	2.0	2008	2018	WS161
VW	Tiguan	Gasolina	2.0	2009	2011	WS162
VW	Tiguan	Gasolina	2.0	2009	2011	WS162
VW	Tiguan	Gasolina	2.0	2011	2018	WS162
VW	Tiguan	Gasolina	2.0	2011	2018	WS162
VW	Tiguan	Gasolina	2.0	2016		WS263
VW	Tiguan	Gasolina	2.0	2017		WS263
VW	Tiguan	Gasolina	2.0	2018		WS263
VW	Tiguan	Gasolina	2.0	2018	2020	WS263
VW	Tiguan Allspace	Gasolina	2.0	2017		WS263
VW	Tiguan Allspace	Gasolina	2.0	2017		WS263
VW	Tiguan Allspace	Gasolina	2.0	2018		WS263
VW	Touareg	Gasolina	2.0	2018		WS263
VW	Touareg	Diésel	3.0	2004	2010	WS266
VW	Touareg	Diésel	3.0	2007	2010	WS266
VW	Touareg	Diésel	3.0	2010	2014	WS266
VW	Touareg	Diésel	3.0	2010	2018	WS266
VW	Touareg	Diésel	3.0	2010	2012	WS266
VW	Touran	Gasolina	1.4	2006	2010	WS212
VW	Touran	Gasolina	1.4	2006	2010	WS212
VW	Touran	Gasolina	1.4	2010	2015	WS212
VW	Touran	Gasolina	1.4	2010	2015	WS212
VW	Touran	Gasolina	1.4	2010	2015	WS212
VW	Touran	Gasolina	1.6	2003	2006	WS212
VW	Touran	Gasolina	1.6	2003	2007	WS212
VW	Touran	GLP (con o sin gasolina)	1.4	2009	2010	WS212
VW	Touran	GLP (con o sin gasolina)	1.4	2010	2015	WS212
VW	Touran	GLP (con o sin gasolina)	1.4	2010	2015	WS212
VW	Transporter	Gasolina	2.0	2011	2015	WS162
VW	Transporter	Gasolina	2.0	2011	2015	WS162
VW	Transporter	Gasolina	2.0	2011	2015	WS162
VW	Transporter	Gasolina	2.0	2011	2015	WS162
VW	Transporter	Gasolina	2.0	2011	2015	WS162
VW	Transporter	Gasolina	2.0	2012	2015	WS162
VW	Transporter	Gasolina	2.0	2012	2015	WS162
VW	Transporter	Gasolina	2.0	2015		WS162
VW	Transporter	Gasolina	2.0	2015		WS162
VW	Transporter	Gasolina	2.0	2015		WS162
VW	Transporter	Gasolina	2.0	2015		WS162
VW	Transporter	Gasolina	2.0	2015		WS162
VW	Transporter	Gasolina	2.0	2015		WS162
VW	Transporter	Gasolina	2.0	2015		WS162
VW	Transporter	Gasolina	2.0	2015		WS162
VW	T-Roc	Gasolina	2.0	2017		WS263
VW	T-Roc	Gasolina	2.0	2019		WS263



DRIVEN BY POSSIBILITY™

RESTABLEZCA EL RENDIMIENTO ÓPTIMO DE SU MOTOR

Muchos vehículos están equipados con sistemas de sincronización variable de las válvulas (VVT) que optimizan el rendimiento del motor, mejoran el ahorro de combustible y reducen las emisiones. El solenoide VVT controla electrónicamente el flujo de aceite presurizado hacia y desde el actuador de la polea del árbol de levas para avanzar o retardar la sincronización. Si el solenoide VVT está obstruido, averiado o defectuoso, el sistema VVT es ineficiente, lo que puede provocar un rendimiento deficiente del motor, la iluminación del testigo de comprobación del motor, un bajo ahorro de combustible y un aumento de las emisiones.

Para restablecer el rendimiento adecuado del sistema, realice la reparación con los solenoides VVT con calidad de equipo original de Gates, diseñados con materiales de alta calidad para ofrecer una durabilidad máxima y un rendimiento fiable a un precio competitivo.



DISEÑO IDÉNTICO AL DEL EQUIPO ORIGINAL, COMPONENTES EXCEPCIONALES Y CONSTRUCCIÓN SUPERIOR

Los conectores eléctricos con calidad de equipo original garantizan una instalación sin problemas y una conexión eléctrica segura.

Los conectores eléctricos con calidad de equipo original garantizan una instalación sin problemas y una conexión eléctrica segura.

Las carcasas y los soportes de montaje están chapados para ofrecer resistencia a la corrosión.



La bobina magnética y el conector están integrados en un diseño de una sola pieza que evita la separación provocada por las vibraciones.

Se realizan pruebas de flujo de aceite, niveles de presión, resistencia eléctrica y fugas en cada unidad para garantizar el máximo rendimiento.

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