

● Gasoline-engine Automobiles ● ガソリン車 ●

Engine Type	Exhaust quantity (c.c.)	Vehicle Model Chassis Type	NPR Catalog Code	Cyl No.	Position	Size (mm)			Shape	Material	Surface Treatment		Reference
						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper/Lower	
S-TEC II 1.0L	996	Spark	SWG10045ZZ	4	1st	68.5	1.2	2.65	BF-IB	SR	Cr	Fe	93745491
					2nd	68.5	1.2	2.8	T1	CR	Fe	Fe	
					Oil	68.5	2.0	2.55	NIFF-H	SR	Cr	Fe	
S-TEC II 1.2L	1,206	Spark Aveo Sail	SWG10033ZZ	4	1st	69.7	1.2	2.65	BF-IB	SR	Cr	Fe	93744884
					2nd	69.7	1.2	2.8	T1	CR	Fe	Fe	
					Oil	69.7	2.0	2.4	NIFF-H	SR	Cr	Fe	
B12D LAQ	1,206	N200 N300	SWG10047ZZ (TCC-H-0010)	4	1st	69.7	1.2	2.5	BF	SR	GN	GN	24545481
					2nd	69.7	1.2	2.8	T1	HB	Fe	Fe	
					Oil	69.7	2.0	2.5	NIFF-H	SR	GN	GN	
ECOTEC I4	1,249	Chevrolet Spark	SWG10051ZZ (TCC-G-0037)	4	1st	70.5	1.0	2.25	BF	SR	Cr	Fe	
					2nd	70.5	1.2	2.55	TUC	CR	Fe	Fe	
					Oil	70.5	2.0	1.95	NIFF-H	SR	GN	GN	
C10NE	999	Corsa Meriva	TCC-H-0047	4	1st	71.08	1.5		BF	HB	Cr	Fe	A14149
					2nd	71.08	1.5		T1	CR	Fe	Fe	
					Oil	71.08	3.0		NIFF-S	SR	Cr	Fe	
S-TEC III 1.4L	1,399	Sail Spin	SWG10034ZZ	4	1st	73.8	1.2	2.5	BF-IB	SR	GN	GN	93736247
					2nd	73.8	1.2	2.8	TUC	HB	Fe	Fe	
					Oil	73.8	2.0	2.45	NIFF-H	SR	GN	GN	
S-TEC III 1.5L	1,485	Sail Spin	SWG10046ZZ	4	1st	74.71	1.0	2.25	BF	SR	Cr	Fe	25190067
					2nd	74.71	1.2	2.8	TUC	CR	Fe	Fe	
					Oil	74.71	2.0	2.2	NIFF-H	SR	GN	GN	
E-TEC I 1.3L 13N 13S	1,297	Corsa 1.3	SWG10041ZZ	4	1st	75.0	1.5	3.25	BF-IB	SR	Cr	Fe	93244958
					2nd	75.0	1.5	3.3	T1-IB	CR	Fe	Fe	
					Oil	75.0	3.0	2.9	NIFF-S	SR	Cr	Fe	
E-TEC II 1.5L LV8	1,498	Chevy Taxi Aveo	SWG10030ZZ	4	1st	76.5	1.5	3.1	BF	HB	Cr	Fe	93742961
					2nd	76.5	1.5	3.2	TUC	CR	Fe	Fe	
					Oil	76.5	2.0	2.7	NIFF-H	SR	Cr	Fe	
E-TEC I 1.4L X14XE1	1,389	Corsa 1.4 Evolution	SWG10028ZZ	4	1st	77.6	1.5	2.85	BF-IB	SR	Cr	Fe	93227616
					2nd	77.6	1.5	3.2	TUC	CR	Fe	Fe	
					Oil	77.6	3.0	3.2	NIFF-S	SR	Cr	Fe	
F14D3 85CB 89CB	1,796	Lacetti	SWG10026ZZ	4	1st	77.88	1.2	2.85	BF	SR	Cr	Fe	93740229
					2nd	77.88	1.5	3.3	TUC	CR	Fe	Fe	
					Oil	77.88	2.5	2.9	NIFF-H	SR	Cr	Fe	
E-TEC I 1.6L X16XE1	1,598	Corsa 1.6	SWG10029ZZ	4	1st	79.0	1.2	3.05	BF	SR	Cr	Fe	93235611
					2nd	79.0	1.5	3.3	TUC	CR	Fe	Fe	
					Oil	79.0	3.0	3.0	NIFF-S	SR	Cr	Fe	
E-TEC I 1.8L X18XE1	1,796	Corsa 1.8 Evolution	SWG10035ZZ	4	1st	80.5	1.2	3.1	BF	SR	GN	GN	93332835
					2nd	80.5	1.2	3.0	T1	CR	Fe	Fe	
					Oil	80.5	2.0	3.0	NIFF-H	SR	Cr	Fe	

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						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper /Lower	
SATURN I4 LLO SATURN I4 LKO	1,901	SC SC1 SC2	SWG10020ZX	4	1st	82.0	1.5	3.05	BF	SR	Cr	Fe	21006715
					2nd	82.0	1.5	3.5	TUC	CR	Fe	Fe	21006721
					Oil	82.0	3.0	3.2	NIFF-S	SR	Cr	Fe	
SATURN I4 L24 SATURN I4 LLO	1,901	SI SC1 SC2	SWG10021ZY	4	1st	82.0	1.2	2.85	BF	SR	Cr	Fe	21007180
					2nd	82.0	1.5	3.5	TUC	CR	Fe	Fe	
					Oil	82.0	3.0	3.2	NIFF-S	SR	Cr	Fe	
ECOTEC 2.2 L61 ECOTEC 2.2 LAP	2,196 2,201	Cobalt G5 Alero	SWG10019ZY	4	1st	86.0	1.2	2.9	BF	SR	GN	GN	21018813
					2nd	86.0	1.5	3.5	TUC	CR	Fe	Fe	
					Oil	86.0	2.5	2.85	NIFF-S	SR	Cr	Fe	
ELLESMERE L81	2,962	Catera L300 LS2	SWG10016ZZ	V6	1st	86.0	1.2	2.9	BF	SR	GN	GN	9118853
					2nd	86.0	1.5	3.5	TUC	CR	Fe	Fe	
					Oil	86.0	3.0	3.05	NIFF-S	SR	GN	GN	
CID 121 GM 122 2.0L	1,983 1,999	Sunbird Skyhawk	SWG10010ZZ	4	1st	86.0	1.5	3.3	BF	SR	GN	GN	52273305
					2nd	86.0	1.5	3.6	TUC	CR	Fe	Fe	52273308
					Oil	86.0	3.0	3.05	NIFF-S	SR	GN	GN	
ECOTEC LNF	1,998	Chevrolet Captexiva Sports	SWG10032ZX	4	1st	86.0	1.2	3.1	BF	SR	GN	GN	89018107
					2nd	86.0	1.5	3.5	TUC	CR	Fe	Fe	
					Oil	86.0	2.0	2.75	NIFF-H	SR	GN	GN	
Northstar L47	3,995	Aurora	SWG10015ZY	V8	1st	87.0	1.2	2.9	BF	SR	Cr	Fe	12555219
					2nd	87.0	1.5	3.6	TUC	CR	Fe	Fe	
					Oil	87.0	3.0	2.85	NIFF-S	SR	Cr	Fe	
ECOTEC 2.4L ECOTEC 2.5L	2,384	Equinox LaCrosse Regal HHR Maribu Verano Impala Hybrid Regal Hybrid Terrain	SWG10048ZZ (TCC-G-0095)	4	1st	88.0	1.2	2.9	BF-IB	SR	GN	GN	12659419
					2nd	88.0	1.5	4.0	TUC	CR	Cr	Fe	
					Oil	88.0	2.0	2.45	NIFF-H	SR	Cr	Fe	
GM 60°L82 GM 60°LG8	3,136	Lumina Monte Carlo Century	SWG10004ZZ	V6	1st	89.0	1.2	3.5	BF	SR	GN	GN	12538683
					2nd	89.0	1.5	3.6	TUC	CR	Fe	Fe	12481987
					Oil	89.0	3.0	2.85	NIFF-S	SR	GN	GN	
GM 60°LE2	2,835	Citation II S-15 Jimmy S-15 Pickup	SWL03235ZX	V6	1st	89.0	1.5	3.25	BF-IB	SR	Cr	Fe	14034969
					2nd	89.0	2.0	4.05	T1	CR	Fe	Fe	
					Oil	89.0	4.76	3.85	NIFF-S	SR	Cr	Fe	
ALLOYTEC 3.2	3,195	Winstorm Winstorm MaXX Captiva Captiva MaXX Antara Escudo	SWG10044ZZ	V6	1st	89.0	1.2	3.1	BF-IB	SR	GN	GN	92068446
					2nd	89.0	1.5	3.25	TUC	CR	Fe	Fe	
					Oil	89.0	2.5	2.85	NIFF-S	SR	GN	GN	

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						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper/Lower	
QUAD-4 LD9	2,392	Cabaler Grand AM Malibu	SWG10022ZX	4	1st	90.0	1.2	3.3	BF	SR	GN	GN	24575965
					2nd	90.0	1.5	3.8	T1-RB	CR	Fe	Fe	
					Oil	90.0	3.0	3.25	NIFF-S	SR	Cr	Fe	
QUAD-4 LG0	2,254	Achieva Skylark Grand AM	SWG10014ZZ	4	1st	92.0	1.5	3.3	BF	SR	GN	GN	22548439
					2nd	92.0	1.5	3.7	T1-RB	CR	Fe	Fe	
					Oil	92.0	3.0	3.05	NIFF-S	SR	GN	GN	
GM 60°LA1	3,392	Montana Alero Grand AM	SWG10001ZZ	V6	1st	92.0	1.2	3.3	BF	SR	Cr	Fe	12537866
					2nd	92.0	1.5	3.7	T1	CR	Fe	Fe	
					Oil	92.0	4.0	3.65	NIFF-S	SR	Cr	Fe	
GM 60°LA1	3,392	Alero Aztek Grand AM	SWG10009ZZ	V6	1st	92.0	1.2	3.3	BF	SR	GN	GN	12481322
					2nd	92.0	1.5	3.8	T1-RB	CR	Fe	Fe	
					Oil	92.0	3.0	2.55	NIFF-S	SR	GN	GN	
NORTHSTAR L37	4,605	Allante Deville Eldorado	SWG10008ZZ	V8	1st	93.0	1.5	3.3	BF	SR	GN	GN	3543903
					2nd	93.0	1.5	3.9	TUC	CR	Fe	Fe	
					Oil	93.0	3.0	2.85	NIFF-S	SR	GN	GN	
NORTHSTAR L37	4,605	Deville Eldorado Seville	SWG10013ZZ	V8	1st	93.0	1.2	3.5	BF	SR	GN	GN	89017431 12555217
					2nd	93.0	1.5	3.9	TUC	CR	Fe	Fe	
					Oil	93.0	3.0	2.85	NIFF-S	SR	GN	GN	
CADILLAC V8 LD8 NORTHSTAR LD8 NORTHSTAR LH2 NORTHSTAR L37	4,605	Deville Eldorado Seville	SWG10011ZZ	V8	1st	93.0	1.2	3.5	BF	SR	GN	GN	89017413 12564801
					2nd	93.0	1.5	3.9	TUC	CR	Fe	Fe	
					Oil	93.0	2.5	2.6	NIFF-S	SR	GN	GN	
BUICK 3300	3,343	Cutlass Ciera Cutlass Cruiser	SWG10012ZZ	V6	1st	94.0	1.5	3.5	BF	SR	GN	GN	24501330 24501065
					2nd	94.0	1.5	3.7	T1-RB	CR	Fe	Fe	
					Oil	94.0	3.0	3.2	NIFF-S	SR	GN	GN	
HIGH VALUE LX9	3,498	G6 Malibu Montana Relay Rendezvous	SWG10038ZX	V6	1st	94.0	1.2	3.3	BF	SR	GN	GN	12584525
					2nd	94.0	1.5	3.7	T1-RB	CR	Fe	Fe	
					Oil	94.0	2.5	2.7	NIFF-H	SR	Cr	Fe	
ALLOYTEC LY7	3,564	Chevrolet Captexiva Sports	SWG10039ZZ	V6	1st	94.0	1.2	2.9	BF-IB	SR	GN	GN	12608615
					2nd	94.0	1.5	3.4	TUC	CR	Fe	Fe	
					Oil	94.0	2.5	2.5	NIFF-H	SR	Cr	Fe	
LLT LLE	3,564		SWG10052ZZ	V6	1st	94.0	1.2	3.3	BF	SR	GN	GN	12616973
					2nd	94.0	1.5	3.4	TUC	CR	Fe	Fe	
					Oil	94.0	2.5	2.5	NIFF-H	SR	Cr	Fe	
VORTEC 3700 LLR ATLAS LLR	3,653	Canyon Colorado H3	SWG10036ZZ	5	1st	95.5	1.2	3.3	BF	SR	GN	GN	89018219
					2nd	95.5	1.5	3.7	TUC	CR	Fe	Fe	
					Oil	95.5	2.5	2.85	NIFF-S	SR	Cr	Fe	

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Engine Type	Exhaust quantity (c.c.)	Vehicle Model Chassis Type	NPR Catalog Code	Cyl No.	Position	Size (mm)			Shape	Material	Surface Treatment		Reference
						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper /Lower	
VORTEC 2900 LLV	2,921	Canyon Colorado	SWG10037ZZ	4	1st	95.5	1.2	3.3	BF	SR	GN	GN	89018219
					2nd	95.5	1.5	3.7	TUC	CR	Fe	Fe	
					Oil	95.5	2.5	2.85	NIFF-S	SR	Cr	Fe	
VORTEC 4800 LR4 VORTEC 4800 LY2 VORTEC 5300 III VORTEC 5300 IV VORTEC 5300 LH6 VORTEC 5300 LH8 VORTEC 5300 LM7 VORTEC 5300 LS4	4,818	Savana Express Sierra 1500	SWG10005ZZ	V8	1st	96.01	1.5	3.3	BF	SR	GN	GN	12456338
	5,328				2nd	96.01	1.5	4.0	TUC	CR	Fe	Fe	
					Oil	96.01	3.0	3.2	NIFF-S	SR	GN	GN	
Buick V6 L27 Buick V6 L67	3,785	Ninety Eight Eighty Eight Bonneville	SWG10006ZZ	V6	1st	96.5	1.2	3.5	BF	SR	GN	GN	24502947
	3,791				2nd	96.5	1.5	3.8	T1-RB	CR	Fe	Fe	
					Oil	96.5	3.0	2.85	NIFF-S	SR	GN	GN	
Oldsmobile V8 307	5,031	Caprice Cutlass Delta 88 Electra Ninety Eight	SWG10023ZY	V8	1st	96.5	2.0	3.5	BF	SR	GN	GN	22529562
					2nd	96.5	2.0	4.4	T1-RB	CR	Fe	Fe	
					Oil	96.5	4.76	4.05	NIFF-S	SR	Cr	Fe	
BUICK V6 L26 BUICK V6 L36	3,785	LSS Bonneville Park avenue	SWG10003ZZ	V6	1st	96.52	1.2	3.5	BF	SR	GN	GN	12480825 12537410
	3,791				2nd	96.52	1.5	3.8	T1-RB	CR	Fe	Fe	
					Oil	96.52	2.0	2.8	NIFF-H	SR	GN	GN	
HI VALUE LZE	3,510	Monte Carlo Malibu Pontiac G6	SWG10049ZZ	V6	1st	99.0	1.2	3.3	BF	SR	GN	GN	89018067 89018068
					2nd	99.0	1.5	3.75	TUC	CR	Fe	Fe	
					Oil	99.0	2.5	2.85	NIFF-S	SR	GN	GN	
VORTEC 5700 LS1 VORTEC 5700 LS6	5,670	Corvette GTO Camaro	SWG10018ZZ	V8	1st	99.0	1.5	3.5	BF	SR	GN	GN	12533556 88894247 88894299
					2nd	99.0	1.5	4.1	TUC	CR	Fe	Fe	
					Oil	99.0	3.0	3.2	NIFF-S	SR	GN	GN	
VORTEC 6000	5,967	Chevrolet Avalanch	SWG10031ZX	V8	1st	101.6	1.2	3.5	BF	SR	GN	GN	89017484
					2nd	101.6	1.5	4.2	TUC	CR	Fe	Fe	
					Oil	101.6	2.5	2.55	NIFF-H	SR	Cr	Fe	
VORTEC 6200	6,162	Chevrolet Corvette Pontiac GTO Cadillac CTS	SWG10050ZZ	V8	1st	103.25	1.5	3.5	BF	SR	GN	GN	19168090
					2nd	103.25	1.5	4.7	TUC	CR	Fe	Fe	
					Oil	103.25	2.5	2.85	NIFF-H	SR	Cr	Fe	