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Based on practical experiences, Prins has compiled a list of vehicles in which problems with valves/valve seats (excessive wear) may occur at a low mileage (<100,000 km). This list is updated regularly. To keep this list up-to-date, Prins is asking their clients to report any valve/valve seat problems (service@prinsautogas.com).

A base d'expériences sur le marché, Prins a établi une liste des véhicules susceptibles d'avoir des problèmes avec les soupapes/sièges de soupape à un kilométrage réduit (<100.00 km) (usure excessive). Cette liste est mise à jour régulièrement. Afin de tenir cette liste à jour, Prins demande ses clients de bien vouloir signaler des problèmes de soupapes/sièges de soupape (service@prinsautogas.com).

Op basis van ervaringen uit de markt heeft Prins een lijst samengesteld waarin voertuigen staan vermeld die bij een geringe kilometerstand (<100.000 km) problemen met kleppen/klepzittingen kunnen krijgen (overmatige slijtage). Deze lijst wordt regelmatig bijgewerkt. Om deze lijst up-to-date te houden vraagt Prins zijn klanten om klep/klepzitting problemen te melden (service@prinsautogas.com).

Auf der Grundlage von Erfahrungen aus dem Markt hat Prins eine Liste mit Fahrzeugen zusammengestellt, die bei einer geringen Kilometerzahl (< 100.000 km) Probleme mit den Ventilen/Ventilsitzen bekommen können (übermäßiger Verschleiß). Diese Liste wird regelmäßig aktualisiert. Damit diese Liste ständig aktuell ist, bittet Prins ihre Kunden, Ventil/Ventilsitz-Probleme zu melden (service@prinsautogas.com).

Brand	Model	Year of construction	Engine code	Engine capacity	Edition	Problem description	Solution	Remarks	Information source (Prins or customer)
Alfa-Romeo	159	2007 -2011	939 A4.000	1800 cc		Excessive wear of valves/seats			Customer
Audi	Different types		BSE	1600 cc		Excessive wear of valves/seats		Cylinderhead Mexico	Customer / Prins
Cadillac	Escalade	2000>		6000 cc 16V		Excessive wear of valves/seats			Customer
Cadillac	SRX			4600 cc		Excessive wear of valves/seats			Customer
Chrysler	Sebring	2001>	ECC	2000 cc 16V		Excessive wear of valves/seats			DCNL / Prins
Chrysler	Caliber	2006>	MOT.A	2000 cc 16V		Excessive wear of valves/seats			
Chevrolet	All models	1998>	Vortex			Excessive wear of valves/seats		Even problems with flash lube	Customer
Chevrolet		2007>	F18D4	1800 cc		Excessive wear of valves/seats			Customer
Citroen	Berlingo	1998>	LFX	1800 cc 8V		Excessive wear of valves/seats			Customer
Citroen	Xantia	1998?	LFX	1800 cc 8V		Excessive wear of valves/seats			Customer
Citroen	C1	2005>		1000 cc 12V		Excessive wear of valves/seats			Customer
Daewoo	Tacuma	2000>		2000 cc 8V		Excessive wear of valves/seats			Prins
Dacia	Logan	2006>		1400 cc 8V		Excessive wear of valves/seats			Customer
Dacia	Logan	2006>	K7M710	1600 cc 8V		Excessive wear of valves/seats			Customer / Prins
Daihatsu	Terios	2001>	K3-VE	1300 cc 16V		Excessive wear of valves/seats			Customer
Daihatsu	YRV	2001>	K3-VE	1300 cc 16V		Excessive wear of valves/seats			Customer
Dodge	Ram 1500	2003>	EVA/EVO	4700 cc 16V		Excessive wear of valves/seats			Customer / Prins
Dodge	Ram 2500	2003>	EZA/EZO	5600 cc		Excessive wear of valves/seats			
Dodge	Caliber	2006>		1800 cc 16V		Excessive wear of valves/seats			DCNL
Dodge	Caliber	2007>		1800 cc 16V		Excessive wear of valves/seats			Prins
Dodge	Caliber	2006>		2000 cc 16V		Excessive wear of valves/seats			DCNL
Dodge	Caliber	2007>		2000 cc 16V		Excessive wear of valves/seats			Prins
Dodge	Caliber	2006>		2400 cc		Excessive wear of valves/seats			DCNL
Dodge	Journey	2008>	ECE	2400 cc		Excessive wear of valves/seats			DCNL
Dodge	Avenger	2007>		2400 cc		Excessive wear of valves/seats			DCNL
Dodge	Avenger	2008>		2000 cc 16V		Excessive wear of valves/seats			Prins
Dodge	Nitro	06-2007>		3700 cc 12V		Excessive wear of valves/seats		After 40.000 km problems with valves/seats while driving only on petrol. Not jet LPG experience, but this will be worse.	DCNL / Prins
Fiat	Doblo (Cargo)	10-2005>	350 A1.000	1400 cc 57 kW		Excessive wear of valves/seats		Wear of seats strongly depending on engine load. At high load already problems on petrol only. Idea, Grande Punto and Linea have the same engine, but no reports at this moment.	Customer

# Overview valve/seat problems <100.000 km

Ford	Focus	2004-2008	HWDA/HWDB	1600 cc	Excessive wear of valves/seats	After 40.000 km problems	Customer
Ford	Focus	1998-2001	FYDA/B/C/D	1600 cc	Excessive wear of valves/seats	After 40.000 km problems	Customer
Ford	Focus	1998>		1800 cc	Excessive wear of valves/seats		Customer
Ford	Focus	2005	Duratec AODA	2000 cc	Excessive wear of valves/seats	After 50.000 km (25.000 km driven with flash lube)	Customer
Ford	Fiesta	11-2002>	A9JA	1300 cc 8V	Excessive wear of valves/seats	After 20.000 km	Customer
Ford	Mondeo	1996 - 2000	RKB/F/H/J/K 82 Kw	1800 cc	Excessive wear of valves/seats		Customer
Ford	Mondeo	2002>	Duratec	1800 cc 16V	Excessive wear of valves/seats		Prins
Ford	Mondeo	2007 - 2009	AOBA	2000 cc 16V	Excessive wear of valves/seats		Prins
Ford	Ka			1250 cc	Excessive wear of valves/seats		Customer
Ford	Explorer	1993-1998		4000 cc 12V	Excessive wear of valves/seats	Exhaust valves	Customer
Ford	Windstar	1995		3000 cc 12V	Excessive wear of valves/seats	Exhaust valves	Customer
Ford	S-Max	2006-21010	HUWA	2500cc 20V	Excessive wear of valves/seats		Customer
Ford	S-Max	2006-21010	SEWA	2300cc 16V	Excessive wear of valves/seats		Customer
Ford	Maverick	2003	YF	2000 cc 16V	Excessive wear of valves/seats	After 25000 km excessive wear of valve/seats.	Customer
General Motors	all types	1999-2008	Vortec	4800 cc	Excessive wear of valves/seats	intake valves at 80.000 - 100.00 km	Customer
General Motors	all types	1999-2008	Vortec	5300 cc	Excessive wear of valves/seats	intake valves at 80.000 - 100.00 km	Customer
General Motors	all types	2004-2008	Vortec	3500 cc	Excessive wear of valves/seats	intake valves at 80.000 - 100.00 km	Customer
General Motors	all types	1999-2008	Vortec	6000 cc	Excessive wear of valves/seats	intake valves at 80.000 - 100.00 km	Customer
Honda	All models	2003>			Excessive wear of valves/seats		Customer
Honda	Civic	2008>	R18A	1800 cc 16V	Excessive wear of valves/seats		Prins
Honda	Accord	2008>	R20A	2000 cc 16V	Excessive wear of valves/seats		Prins
Honda	CRV	2008>	K24Z4	2400 cc 16v	Excessive wear of valves/seats		Prins
Hyundai	Sonata	2005>	G4KC	2400 cc 16V	Excessive wear of valves/seats		Customer
Hyundai	Santa Fe	2007 - 2010	G6EA	2656 cc 24V	Excessive wear of valves/seats	After 60.000 Km problems with valves/seats.	Customer
Hyundai	I20	2009	G4FA	1400 cc 16V	Excessive wear of valves/seats		Prins
Hyundai	IX20	2011>	G4FA	1400 cc 16V	Excessive wear of valves/seats	Advised to modify cilinderhead.	Prins
Hyundai	I30	07-2007>	G4FA	1400 cc 16V	Excessive wear of valves/seats	After 40.000 km problems with inlet and outlet valves.	Customer / Prins
Hyundai	Trajet	2000-2004	G4JP	2000 cc 16V	Excessive wear of valves/seats		Prins
Hyundai	Tucson	2004 >	G4GC	1975 cc	Excessive wear of valves/seats	After 100.000 km problems with exhaust valves	Customer
Hummer	All models				Excessive wear of valves/seats		Customer
Infinity	FX35	2003>		3500 cc 24V	Excessive wear of valves/seats		Customer
Jeep	Grand Cherokee	1999-2005	EVA	4700 cc 16V	Excessive wear of valves/seats		Customer / Importer / Prins
Jeep	Grand Cherokee	2005>	EVA/EVO	4700 cc 16V	Excessive wear of valves/seats		DCNL / Prins
Jeep	Grand Cherokee	2008>		3700 cc 151 Kw	Excessive wear of valves/seats		Prins
Jeep	Commander	2006>		4700 cc 16V	Excessive wear of valves/seats		DCNL / Prins
Jeep	Compass	2007>	ECE	2400 cc 16V	Excessive wear of valves/seats		Prins
Jeep	Patriot	2007>	ERZ	2400 cc 16V	Excessive wear of valves/seats		Prins
Kia	Cee d	12-2006>	G4FA	1400 cc 16V CVVT	Excessive wear of valves/seats	After 20.000 Km problems with valves/seats	Customer / Prins
Kia	Cee d	12-2006>	G4FC	1600 cc CVVT	Excessive wear of valves/seats	After 20.000 Km problems with valves/seats	Customer
Kia	Sportage	2005			Excessive wear of valves/seats		
Lada	Niva	2010		1700 cc	Excessive wear of valves/seats	After 50.000 km problems with inlet and outlet valves.	Customer
Lada	Kalina 1117 / 11118 / 1119	2004 - 2013		1600 cc 8V	Excessive wear of valves/seats		Customer
Lada	Kalina 2194	2013 >		1600 cc 8V	Excessive wear of valves/seats		Customer
Lada	Granta 2090	2011 >		1600 cc 8V	Excessive wear of valves/seats		Customer

# Overview valve/seat problems <100.000 km

Lexus	RX300	2001>	1MZ-FE	3000cc 24V		Excessive wear of valves/seats		Customer
Mazda	Mazda 6	2002>	All ford engines			Excessive wear of valves/seats	All Ford engines!!!	Customer
Mazda	Mazda 6	2008>	MZR L8	1800 cc 16V		Excessive wear of valves/seats		Prins
Mazda	Tribute	2001-2004	MOT.YF	2000cc 16V		Excessive wear of valves/seats		Customer
Mazda	121			1250 cc		Excessive wear of valves/seats		Customer
Mazda	3 (BK)	2003 - 2009	B6ZE	1600 cc		Excessive wear of valves/seats	After 60.000 Km problems with valves/seats even with flash lube.	Customer
Mazda	CX-7	2007>	L3 / L5 / L8 / LF (MZR)			Excessive wear of valves/seats	Except DI engine's or engines which are suitable for E85 fuel.	Customer
Mazda	CX-9	2009>	MZI			Excessive wear of valves/seats		Prins
Mercedes	A-class	2005>	All engines	1500/1700/2000/T (8V)		Excessive wear of valves/seats		Customer / Prins
Mercedes	B-class	2005>	All engines	1500/1700/2000/T (8V)		Excessive wear of valves/seats	Fit special LPG cylinderhead original Mercedes	Customer
Mercedes	Vaneo	2004-2005		1900 cc		Excessive wear of valves/seats		Customer
Mitsubishi	Outlander PHEV	2015 >	4B11	1998 cc		Excessive wear of valves/seats		
Mitsubishi	Outlander	2001>		2400 cc 16V		Excessive wear of valves/seats		
Mitsubishi	Lancer	2008 >	4B10	1800 cc 16V		Excessive wear of valves/seats	After 40.000 km problems with valves / seats	Customer
Mitsubishi	Lancer	2010>	4A91	1500 cc 16V		Excessive wear of valves/seats	After 45.000 Km problems with valves/seats. Even with flash lube.	Importer
Mitsubishi	Grandis	2004>	4G69	2400 cc 16V		Excessive wear of valves/seats		Prins
Mitsubishi	Colt VI	2004>	3A91	1100 cc 12V		Excessive wear of valves/seats	Inlet valve clearance after 40000 km out of spec., not being able to adjust.	Customer
Mitsubishi	Colt VI	2004-2008	4A90	1300 cc 16V		Excessive wear of valves/seats		Customer
Mitsubishi	Colt VI	2004-2008	4A91	1500cc 16V		Excessive wear of valves/seats		Customer
Nissan	Maxima QX	1995>		3000 cc		Excessive wear of valves/seats		Customer
Nissan	Primera	1998>	All engines			Excessive wear of valves/seats		Customer
Nissan	X-Trail	2003>		2000 cc 16V		Excessive wear of valves/seats		Customer
Nissan	X-trail T30	2004 - 2007	QR20	2000 cc 16V		Excessive wear of valves/seats	Exhaust valves at 50.000 km	Customer
Nissan	350 Z	2004-		3500 cc 24V		Excessive wear of valves/seats		Customer
Nissan	Micra (K12E)	2003-	CR12DE	1200 cc 16V		Excessive wear of valves/seats	Exhaust valves at 60.000 km	
Nissan	Murano	2004-	VQ35	3500 cc 24V		Excessive wear of valves/seats		Customer / Prins
Nissan	Qashqai	2007 - 2010	HR16DE	1600 cc 16V		Excessive wear of valves/seats	After 75000 Km problems with valves/seats.	Customer
Nissan	Note	2008>	HR16DE	1600 cc 16V		Excessive wear of valves/seats		Prins
Opel	All models	2004>	Z14XEP	1400 cc 16V		Excessive wear of valves/seats		Prins
Opel	All models	2004>	Z16XEP	1600 cc 16V		Excessive wear of valves/seats		Prins
Opel	All models	2004>	Z16XE1	1600 cc 16V		Excessive wear of valves/seats		Prins
Opel	All models	2004>	Z16XER	1600 cc 16V		Excessive wear of valves/seats		Prins
Opel	All models	2004>	Z16XEP	1600 cc 16V		Excessive wear of valves/seats		Prins
Opel	All models	2004>	Z18XER	1800 cc 16V		Excessive wear of valves/seats		Prins
Opel	Insignia	2010>	A16LET	1600 cc 16V		Excessive wear of valves/seats	After 10000 Km problems with valves/seats	Importer
Peugeot	406	1998>	LFX	1800 cc 8V		Excessive wear of valves/seats		Customer
Peugeot	Boxer	1995>	XU10J2/RFW	2000 cc 8V		Excessive wear of valves/seats		Peugeot NL
Peugeot	Partner	1996>	LFX	1800 cc 8V		Excessive wear of valves/seats		Customer
Peugeot	107	2005>		1000 cc 12V		Excessive wear of valves/seats		Customer
Peugeot	206+	2009	KFW	1360 cc 8 v		Excessive wear of valves/seats		Customer
Pontiac	Trans Sport	1993-1997	Quad 4	2300 cc 16V		Excessive wear of valves/seats		Customer
Porsche	Cayenne	2005>		3200 cc 24 V		Excessive wear of valves/seats		Customer / Prins
Porsche	Cayenne	2004>	M.M55...	3600 cc 24V		Excessive wear of valves/seats		Customer / Prins
Porsche	Cayenne S	2004>	M.M48...	4500 cc 32V		Excessive wear of valves/seats		Customer / Prins

# Overview valve/seat problems <100.000 km

Range Rover	Sport	2006>	supercharged	4400 cc		Excessive wear of valves/seats		Jaguar engine	Customer
Landrover	Discovery	2006>		4200 cc		Excessive wear of valves/seats		Jaguar engine	Customer
Range Rover		2006>	supercharged	4200 cc		Excessive wear of valves/seats			Customer
Renault	Laguna	1994-1998		2000 cc 8V		Excessive wear of valves/seats			Prins
Renault	Laguna III	2007>	M4R	2000 cc 16V		Excessive wear of valves/seats		Nissan engine	Prins
Renault	Espace	1994-1998		2000 cc 8V		Excessive wear of valves/seats			Customer
Renault	Espace IV	2002-		3500 cc 24V		Excessive wear of valves/seats			Customer
Renault	Vel Satis	2002-		3500 cc 24V		Excessive wear of valves/seats			Customer
Renault	Megane II	2002 - 2009	K4M	1600 cc 16V		Excessive wear of valves/seats		inlet+exhaust valves	Customer
Renault	Megane III	2009 - 2010	H4J	1400 cc 16V		Excessive wear of valves/seats			Prins
Renault	Clio	2001-	D4F 722	1200 cc 16V		Excessive wear of valves/seats		1st adjustment at 20.000 km, worn-out at 80.000 km	Customer
Renault	Clio III	2007>	D4F7G722	1200 cc 16V		Excessive wear of valves/seats		Valve clearance after 80000 km out of spec, not being able to adjust.	Customer
Renault	Twingo	2007		1200 cc 8V		Excessive wear of valves/seats		damage reported at 20.000 km	Customer
Renault	Kangoo	1998-		1400 cc 8V		Excessive wear of valves/seats		Inlet valves	Customer
Renault	Scenic III	2009>	H4J	1400 cc 16V		Excessive wear of valves/seats			Customer / Prins
Renault	Scenic III	2009>	M4R	2000 cc 16V		Excessive wear of valves/seats			Customer / Prins
Saab	9- versions	2004>	16V			Excessive wear of valves/seats			Customer
Saab	9- versions	2002 - 2006	Z18XE	1800 cc 16V		Excessive wear of valves/seats			Prins
Saab	9- versions	2002 - 2006	B207E	2000 cc 16V		Excessive wear of valves/seats			Prins
Saab	9- 7X	2005>	LL8	4200 cc 24 V		Excessive wear of valves/seats			Customer / Prins
Saab	9- 7X	2007	LH6	5300 cc 16V		Excessive wear of valves/seats			Prins
Seat	Alhambra	2000>	ATM	2000 cc 8V		Excessive wear of valves/seats			Prins
Seat	Ibiza (6L)	2006 - 2008	BXV	1200 cc 12V 3 cyl		Excessive wear of valves/seats		After 60.000 Km problems with valves/seats. Even with flash lube.	Customer
Seat	Leon cupra R	2003-2005	BAM	1,8T 20V	Cupra R	Excessive wear of valves/seats			Customer
Skoda	Fabia	2000>	AZL	2000 cc 8V		Excessive wear of valves/seats		inlet valves 120.000 km	Customer
Smart	Forfour	2004>		1100/1300/1500 cc (12V)		Excessive wear of valves/seats		(2 reports from NL)	Customer
Subaru	Legacy Outback	1997-1998	EZ30	3000 cc	Outback	Excessive wear of valves/seats		Older models are also suspicious	Customer
Subaru	all models	2011 >	Euro 5 engines			Excessive wear of valves/seats			Customer
Suzuki	All models without hydraulic valves adjusters	2007>	All without hydraulic valves adjusters			Excessive wear of valves/seats			Customer
Suzuki	Liana	2004>		1600 cc 16V		Excessive wear of valves/seats			Customer
Suzuki	Grand Vitara	2008>	J20A	2000cc 16V		Excessive wear of valves/seats		Valve clearance after 70000 km out of spec, not being able to adjust.	Customer
Suzuki	Grand Vitara	2008>	J24B	2400cc 16V		Excessive wear of valves/seats			Customer
Suzuki	SX4	2006>	M16A	1600 cc 16V		Excessive wear of valves/seats			Customer
Suzuki	Swift	2005 - 2010	M13A	1328 cc 16V		Excessive wear of valves/seats			Prins
Toyota	All models	1996>		All models		Excessive wear of valves/seats			Customer
Toyota	Corolla	2004>	VVTI					Problems even with flash lube	Customer
Toyota	Aygo	2005>		1000 cc 12V		Excessive wear of valves/seats			Customer
Toyota	Yaris	2008	SCP90 M.2SZ-FE	1300 cc 16V		Excessive wear of valves/seats			Prins
Volkswagen	Sharan	2000>	ATM	2000 cc 8V		Excessive wear of valves/seats	Fit special CNG cylinderhead original Volkswagen		Customer
Volkswagen	Touareg	2003>		3200 cc 24V		Excessive wear of valves/seats			Customer
Volkswagen	T5		AXA	2000 cc 8V		Excessive wear of valves/seats	Fit special CNG cylinderhead original Volkswagen	Cylinderhead Mexico	Customer
Volkswagen	T5	04-2003>	BDL	3200 cc		Excessive wear of valves/seats			Customer

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Volkswagen	Phaeton	2002>	BKL	3200 cc 24V		Excessive wear of valves/seats		Customer
Volkswagen	Golf	2005>	BUB	3200 cc 24V		Excessive wear of valves/seats		Customer
Volkswagen	Golf IV	05-2001 - 11-2003	BDE	2800 cc		Excessive wear of valves/seats	Inlet valves after 90.000km	
Volkswagen	Different types		BSE	1600 cc		Excessive wear of valves/seats	Cylinderhead Mexico	Customer / Prins
Volkswagen	Polo 9N	2006-2009	BUD	1400 cc		Excessive wear of valves/seats	Cylinderhead Poland	Customer
Volkswagen	Polo 6R	2009 >	CGGB	1400 cc		Excessive wear of valves/seats		Customer
Volkswagen	Different types			1200 cc 12V	3 cylinder engine	Excessive wear of valves/seats	Engine/cylinderhead Poland	Customer
Volvo	XC90	2002>	B5254T	2500 cc turbo		Excessive wear of valves/seats		Customer / Prins
Volvo	S60/V70	2000>	Turbo	2400 cc turbo		Excessive wear of valves/seats		Customer
Volvo	S40/V50	2003>		1800 cc		Excessive wear of valves/seats	Problems even with flash lube	Customer

# Overview injector module problems

Mogelijke problemen hangen af van gebruikte type injectiemodule.

New wiring loom 180/700.. : Replace injector simulator to the old version 091/0145 (4/8 cyl.) or 091/0155 (6cyl.).

Neuer Kabelbaum 180/700.. : Der Injector Modul ersetzen nach der alte Version 091/0145 (4/8 Zyl.) oder 091/0155 (6Zyl.)

Brand	Model	Year of construction	Engine code	Engine capacity	Problem with module type:	Problem description	Solution	Remarks	Information source (Prins or customer)
Alfa	GTV turbo			2000 cc	180/700XX		Fit "old" module 091/0145	Not more information known	Customer
Citroën	C5 V6			3000 cc	180/700XX	Not every car has a problem!	Fit "old" module 091/0155	Not more information known	Customer
Chevrolet	Chevy V8		(12,7 Ohm)	5700 CC	180/700XX		Fit "old" module 091/0145 (2x)	No more information known	Customer
Chrysler	Le Baron turbo	1989				Peak & Hold injector signal petrol	No solution	Not possible to convert with VSI	Customer
Dodge	Dakota V6	2006 model		3700 CC		Check engine "open circuit"	Parallel 370 Ohm resistor		Prins
Dodge	Ram 1500 & 2500	08-2005-	8 cyl.	5700 cc Hemi		In some cases injector errors will be set in the EOBD system	<a href="#">Solder extra resistors in the wiringloom of the injection module to change the replacement resistor value.</a>	Results are good	Prins
Infiniti	FX45 V8			4500 cc		Voltage drops during starting under 6 Volt. Car won't start on petrol with a cold engine (small battery: 60 Ah)	Fit "old" module 091/0145	Bigger battery can also be a solution	
Fiat	Punto	2006	1,4 70 Kw	1400 cc		Petrol in system above 4500 RPM	Fit "old" type module 091/0145		Customer
Ford	Scorpio	1999	2,0i	2000 cc			Fit "old" type module 091/0145		Customer
Hyundai	Coupe	2006		1600 cc		Shaking on high revs (little bit of petrol injected while driving on LPG)	Fit "old" type module 091/0145		Prins
Jaguar	V8	1998					Fit "old" type module 091/0145		
Jaguar	XJ and S	1997		3200 cc and 4000 cc		Check engine on injector circuit			Customer
Jeep	Cherokee	<1991				Peak & Hold injector signal petrol	No solution	Not possible to convert with VSI	Customer
Kia	Carnival	2002		2000 cc			Fit "old" type module 091/0145		Customer
Mercedes	E240	2000		2400 cc		Check engine	Fit "old" module 091/0155		Customer
Mercedes	E klasse	2002	V8	5000 cc		Drives well on LPG, but on petrol the engine stalls at 4500 rpm	Fit "old" module 091/0145 (2x)		Customer
Mercedes	M111	1993	R4	2000 cc and 2200 cc			Fit "old" type module 091/0145		Customer
Mercedes	M104	1993	R6				Fit "old" type module 091/0155		Customer
Mercedes	M112		V6				Fit "old" type module 091/0155		Customer
Mercedes	M113		V8				Fit "old" type module 091/0145 (2x)		Customer
Mitsubishi	Lancer	1998	(15,8 Ohm)			Check engine	Fit "old" type module 091/0145		Customer
Mitsubishi	Spacewagon	1998	(15,8 Ohm)			Check engine	Fit "old" type module 091/0145		Customer
Mitsubishi	Sigma	1992				Check engine	Fit "old" type module 091/0145		Customer
Mitsubishi	General	All models <1999				Check engine	Fit "old" type module 091/0145		Customer
Renault	Espace	2006	2,0 turbo	2000 cc		Disturbance caused by the ignition at high RPM. Petrol consumption by driving on LPG.	Fit "old" type module 091/0145	Problem is still in investigation	Prins
Renault	Espace			3500 cc		Check engine	Fit "old" type module 091/0145		Customer
Renault	Velsatis			3500 cc		Check engine	Fit "old" type module 091/0145		Customer
Renault	Espace	1991		2200 cc		Peak & Hold injector signal petrol	No solution	Not possible to convert with VSI	Customer

# Overview injector module problems

Seat	Alhambra	2004		2000 cc		Check engine	Fit "old" type module 091/0145		Customer
Volvo	960	1994		3000 cc		Car does not run on LPG (wrong emulation value for petrol ECU)	Fit "old" type module 091/0155		Customer
Volvo	740	1992				Check engine?	Fit "old" type module 091/0145		Customer
Volvo	850	1994		2000 cc and 2500 cc		Check engine?	Fit "old" type module 091/0145		Customer
Volvo	V70		T6	2900 cc		Check engine?	Fit "old" type module 091/0155		Customer
Volvo	460/480 turbo			1700 cc		Ckeck engine?	Fit "old" type module 091/0145		Customer
Volvo									
Volkswagen	Golf	2004		2000 cc		Check engine	Fit "old" type module 091/0145		Customer



# Overview VSI 2.0 injector simulation solutions

Brand	Model	Year of construction	Engine code	Engine capacity	Solution	Remarks	Information source (Prins or customer)
Chrysler			EVG	3600 cc	AFC 180/700033/D or Universal VSI-2.0 kit with IM2		Customer
Chrysler	300C	2004>	EGG	3500 cc	100 ohm / 5 watt parallel resistor		Customer
Chrysler	Town & Country	2009	EGQ	4000 cc	100 ohm / 5 watt parallel resistor		Customer
Chrysler	Pacifica	2006	EGQ	4000 cc	AFC 180/700033/D or Universal VSI-2.0 kit with IM2		Customer
Chrysler	Voyager	2007	EGH	3800 cc	AFC 180/700033/D or Universal VSI-2.0 kit with IM2		Customer
Dodge	Grand caravan	2007	EGH	3800 cc	AFC 180/700033/D or Universal VSI-2.0 kit with IM2		Customer
Dodge	RAM 1500	2014	EVG	3600 cc	AFC 180/700033/D or Universal VSI-2.0 kit with IM2		Customer
Dodge	Nitro	2007	EKG	3700 cc	AFC 180/700033/D or Universal VSI-2.0 kit with IM2		Customer
Dodge	Charger	2007	EER	2700 cc	AFC 180/700033/D or Universal VSI-2.0 kit with IM2		Customer
Dodge	Charger	2014	Pentastar	3600	AFC 180/700033/D or Universal VSI-2.0 kit with IM2		Customer
Hyundai	Space Gear		4G63	2000 cc	47 ohm / 5 watt parallel resistor		Customer
Lancia	Thema	2012	ERB	3600 cc	47 ohm / 5 watt parallel resistor		Customer
Lancia	Voyager	2012	ERB	3600 cc	47 ohm / 5 watt parallel resistor		Customer
Mercedes	W124		M104	E280 / 320	47 ohm / 5 watt parallel resistor		Customer
Mercedes	W203	2004	M111	C200 Kompressor	AFC 180/700033/D or Universal VSI-2.0 kit with IM2		Customer
Mitsubishi	Space Gear		4G63	2000 cc	47 ohm / 5 watt parallel resistor		Customer
Mitsubishi	Sigma	1990-1996	6G72	2972 cc	No solution available		Customer
Jaguar	V8	1998			47 ohm / 5 watt parallel resistor		Prins
Jeep	Cherokee	2009	EKG	3700 cc	AFC 180/700033/D or Universal VSI-2.0 kit with IM2		Customer
Jeep	Wrangler		EVG	3600 cc	AFC 180/700033/D or Universal VSI-2.0 kit with IM2		Customer
Jeep	Wrangler		EGH	3800 cc	AFC 180/700033/D or Universal VSI-2.0 kit with IM2		Customer
Jeep	Compass	2006	ERZ	2400 cc	AFC 180/700033/D or Universal VSI-2.0 kit with IM2		Customer
Renault	Vel Satis	2006	V4Y	3500 cc	47 ohm / 5 watt parallel resistor	AFC 180/700033/D has been tested without success	Prins
Renault	Espace	2003	V4Y	3500 cc	47 ohm / 5 watt parallel resistor	AFC 180/700033/D has been tested without success	Customer

# Overview VSI 2.0 injector simulation solutions

Volkswagen	Routan	2009	EGQ	4000 cc	47 ohm / 5 watt parallel resistor		Customer
Volvo	960 / V90			3000 cc	47 ohm / 5 watt parallel resistor		Customer
Volvo	940		B230FK	2300 cc	47 ohm / 5 watt parallel resistor		Customer

Brand	Model	Year of construction	Engine code	Engine capacity	Solution	Remarks	Information source (Prins or customer)
Jeep	Compass			2000 cc	220 ohm / 5 watt		Customer
Jeep	Compass			2400 cc	220 / ohm 5 watt		Customer
Mitsubishi	Colt	1998	4G13	1300 cc	220 ohm / 5 watt		Customer
Opel	Astra			1400 cc	220 ohm / 5 watt		Customer

# Overview petrol fuel gauge problems

Brand	Model	Year of construction	Engine code	Engine capacity	Edition	Problem description	Solution	Remarks	Information source (Prins or customer)
Audi	Q5	2009	CDNC	2000cc		<a href="#">Level indication goes down during driving</a>	Program engine ECU with option "auxiliary heater installed"		Prins
Cadillac	CTS	2006		3200cc V6			Filling the tank to 3/4.	Saab problem	Prins
Chevrolet	Avalanche	2007		5300cc V8			091/0331	DTC P0460	Customer
Chryslers	all models	> 1999			USA/Canada edition			DTC No fuel consumption over miles	Customer
Citroen	C3					Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	AEB 392 module type P		AEB
Citroen	Xsara Picasso	> 2002				Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	AEB 392 module type P		AEB
GM	all models	2007 -				check engine code 0460 t/m 0464	Please contact Prins for more information/solution	DTC 0460 till 0464 possible	Customer
Ford USA	All models	2004>				Level indication goes down during driving	Contact Prins for more information/solution		Customer
Ford	F150	2003		5400 cc V8 Supercharger				DTC P0460. DTC becomes active after a driving a large distance	Customer
Ford	Mustang					Level indication goes down during driving	No solution		
Hyundai	Sonata		G4KC	2400cc 16v	Australian edition	Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.			Customer
Honda	Civic	2006-2009		1800cc		Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	AEB 393 module type H		Customer
Honda	CRV	2009				Level indication goes down during driving	No solution	Digital dashboard	
Lincoln	Eviator					Check engine on petrol indication	Fit a tank sensor element with a value from 10-160 Ohm. Connect this to the petrol indication		Customer
Mazda	6	2010			GH	<a href="#">Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.</a>	Program the parameter "fuel logic" to disabled. After programming, the petrol indication will not be calculated anymore, but depends on the floater level.		
Mercedes	B-class	2006	all engines			Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	Mercedes B reset module		Prins

# Overview petrol fuel gauge problems

Mercedes	A-class	2005	all engines			Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.			Prins
Mercedes	ML	2001-2002				Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	AEB 391 module type R	fuse nr.7 right under dash, take fuse holder out (green wire = signal wire)	AEB
Mercedes	Vito 119	2007		3200cc V6	Europe	Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	-		Customer
Mercedes	Sprinter	06-2006>				Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	program the car as parking heater model by the Mercedes dealer code J51.		Customer
Peugeot	206	> 2002				Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	AEB 392 module type P		AEB
Peugeot	307					Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	AEB 392 module type P		AEB
Peugeot	406	> 2002				Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	AEB 392 module type P		AEB
Peugeot	407	2005		1800cc 16v	Europe	Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	-		Prins
PSA group		2005 ->				Level indication goes down during driving on LPG.	Prins module 091/0330	Contact Prins for more information	Prins
Renault	Espace	> 2003				Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	AEB 392 module type P		AEB
Renault	Espace	2001-2002				Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	AEB 391 module type R		AEB
Renault	Avantime					Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	AEB 391 module type R		AEB
Renault	Vel Satis					Level indication goes down during driving on LPG until tank is empty. Restarting does not reset the level indication.	AEB 391 module type R		AEB
Saab	97x	2006		5300cc V8		Level indication does not go down during driving on LPG but after a while the indication will be switched off. No reset afterstarting, no error code will become active.	Filling the tank to 3/4.	Saab problem	Prins

# Overview Fuel pressure problems

Brand	Model	Year of construction	Engine code	Engine capacity	Edition	Problem description	Solution	Remarks	Information source (Prins or customer)
Ford	Cougar	2010 - 2012	2500 cc			For 55 sec after starting the engine, an high petrol pressure is needed. After this period the petrol pressure as to be lowered.	Set parameter TSO warm 60 sec / fit fuel return line		Customer
Ford	Mustang	2005-	V8				Fuel return line	Fuel pressure simulation module does not work	Customer
Ford	Freestyle	2006	3000 cc V6					Prins module does not work	Prins
Ford	Mavarick	2004-	duratec	110 Kw		Petrol pressure becomes too high -> bad running on petrol after switching			Customer
GM	All models	2007->				check engine	Fuel return line	Contact Prins	Customer
Hummer	H2	2007->	6200 cc			check engine	fuel return MAXQUIP	Please contact MAXQUIP CANADA	Customer
Jaguar		<2003	2.5 V6 / 3.0 V6 / 4.2 V8				AGS simulator: contact AGS Belgium	Not possible with Prins simulator. I.c.w. the AGS simulator, vehicle does not enter limp-mode, but it is possible that a DTC will be set.	AGS Belgium
Jaguar		2003->	2.5 V6 / 3.0 V6 / 4.2 V8				AGS simulator: contact AGS Belgium	Not possible with Prins simulator. I.c.w. the AGS simulator, vehicle does not enter limp-mode, but it is possible that a DTC will be set.	AGS Belgium
Jaguar	X-type	2004>	2.5 V6	145 Kw		check engine	Fit AEB simulator, P/N AEB431		
Mazda	Tribute	2007	2300 cc 16V	110 Kw		Petrol pressure becomes too high -> bad running on petrol after switching			
Opel	Astra	2010 - 2011	A14NET A16XER			PWM Signal on fuelpump	Fit AEB simulator, P/N 628126000		Prins / Customer
Volvo	V70 R	2003->	2.5L Turbo 220 kW					DTC petrol pressur range/performance. Car changes between 2 different fuel pressures.	
Volvo	v70	2002>	2,5L turbo (B5254T2)	154 kW		check engine	Fit relay on ECM power supply, pos.B11. Connect relay to +15. Fit PPS with a 108 KΩ resistor in ground lead.	DTC petrol pressure range/performance. Car changes between 2 different fuel pressures.	Prins
Volvo	V50	2004>	2.5L Turbo (B5254T3)	162 Kw		check engine	Fit AEB simulator, P/N AEB431		
Volvo	XC90	2006	4.4 V8				No solution by Prins	AGS belgium has a fuel return solution. A DTC is possible. Please contact AGS for more information	

# Overview miscellaneous problems

Brand	Model	Year of construction	Engine code	Engine capacity	Platform	Problem description	Solution	Remarks	Information source (Prins or customer)
Audi	A4 Avant	2003	ALT	2000 cc	VSI-1	Shaking during warming up phase	<a href="#">Special software icw temp simulation. See also AUD0107</a>	Results are good	Prins
Audi	A4 Avant	2003	ALT	2000 cc	VSI-2	Shaking during warming up phase	<a href="#">Info Audi 0116</a>	Results are good	Prins
Chevrolet	Trailblazer	2001-	LL8	4200 cc 24V	VSI-1	Bad idling behaviour / stalling	<a href="#">Special software 041/95050 and: Nylon hoses far enough inside manifold. See also CHE1007.</a>	Results are good	Prins
Fiat	Coupe turbo (5 cyl.)	2000	175A3	2000 cc	VSI-1	Shaking during accelerating and when the car goes into cut-of phase	<a href="#">Fit a turbo extension kit icw a special programmed ECU. See also FIA0207</a>	This car is very sensitive on petrol. The problem on LPG is not 100% vanished	Prins
Opel	Vectra turbo	2005>	Z20NET	2000 cc	VSI-1	Shaking during accelerating and when the car goes into cut-of phase.	<a href="#">Fit a turbo extension kit icw a special programmed ECU. See also OPE0207</a>	Results are good	Prins
Opel	Insignia OPC	2015	A28NER	2796 cc	VSI 2.1	Engine hesitation and misfire at high engine load, P067C set	<a href="#">Info Opel 0116</a>	Results are good	Prins
Volkswagen	Passat	2001	AZM	2000 cc	VSI-1	Shaking during accelerating	<a href="#">Program the ECU that the Inj. in and Inj. out times are exactly the same. See also VOL0107</a>	Results are good	Prins
Volkswagen	Golf	2010	CAXA	1400 cc	VSI-DI	Fault code P2097 set.	<a href="#">Contact Prins after-sales department</a>	Results are good	Prins
Saab	9.5 Aero	2011	A28NER	2796 cc	VSI 2.1	Engine hesitation and misfire at high engine load, P067C set	<a href="#">Info Saab 1816</a>	Results are good	Prins
Subaru	Legacy outback	1999	EJ25	2500 cc	VSI-1	Shaking during accelerating	<a href="#">Program the ECU that the Inj. in and Inj. out times are exactly the same. See also SUB0307</a>	Results are good	Prins

