



MERLIN SABRE PARTS & HARTRIDGE TEST EQUIPMENT OFFER



Offer valid till: 31/07/25

DISCOVER DIESEL EXCELLENCE



S1000 Coding Solution for the Sabre

Introducing the Merlin Diesel **S1000** common rail injector coding, the perfect software solution for the Sabre and all leading test benches.

Now covering over 200 part number references across major OEMs including Bosch, Delphi, Continental, Denso and Caterpillar, our database is constantly expanding its reach.

You can also request a tests plan, and for a small fee we will create the files you need, usually within 24 working hours.



The S1000 Advantage

What sets our software apart from other coding solutions?

There is just a single purchase for all files with unlimited downloads as part of the package.

The S1000 is the only cost effective coding solution on the market.

OVER 200 REFERENCES CONSTANTLY UPDATED

S1000 CODING SOFTWARE WITH UNLIMITED DOWNLOADS

ONLY: **£1,000.00**

**£150 annual subscription fee applies*

Delphi

 **BOSCH**
Invented for life

 **Perkins**

 **DENSO**

ROBIEL

S1000 CODING SOLUTION - Version 8 References

Bosch	0445110083	0445110131	0445110135	0445110139	0445110159	0445110165	0445110176	0445120217	0445110594	0445110339
0445110423	0445110188	0445110191	0445110209	0445110212	0445110218	0445110219	0445110236	0445110540	0445110498	0445110425
0445110280	0445110237	0445110239	0445110248	0445110249	0445110250	0445110251	0445110253	0445110299	0445110328	0445110300
0445110353	0445110257	0445110258	0445110259	0445110263	0445110269	0445110270	0445110274	0445110167	0445110485	0445110450
0445110547	0445110275	0445110276	0445110287	0445110289	0445110296	0445110298	0445110308	0445110134	0445110238	0445110230
0445110243	0445110311	0445110319	0445110325	0445110327	0445110340	0445110351	0445110352	0445110252	0445110265	0445110216
0445110183	0445110375	0445110410	0445110601	0445110084	0445110110	0445110326	0445110273	0445110338	0445110297	

Delphi	R00202Z	R00401Z	R01001D	R00501Z	R00001Z	R00901Z	R01901Z	R00301Z	R0001Z	R00002Z
R00101Z	R02801D	R03601D	R02601Z	R04601D	R04201D	R00403Z	R01101D	28308779	28370681	28565336
28475604	R00503Z	R00504Z	R04701D	R01302Z	R01601Z	R02201Z	R03901D	28264952	28270450	28236381
28288104	R03902D	R05001D	R04501D	28232251	R00402Z	R03101D	R05101D	28258683	28230673	28271551
28229873	R05102D	R00202Z	28232248	R01801A	R01801Z	R04001D	R03801D	R04401D	28280576	R05701D
28237259	R06001D	28232242	R01401Z	R01701Z	R02101Z	R04101D	28342997	28253155	28288930	R00203D
R00101DP	R00002D	28231462	R03301D	28231014	28264951	28239766	28489548	R03701D	R00701D	R04901D
28280600	28229876	28292089	R00101D	28230891	28272472	28307309	28317158	28337917	28347042	28387256
28388960	28389783	28565335	R00601D	28475606	28577054	R05501D				

Denso	095000-7690	095000-7680	095000-7320	095000-7330	095000-6680	095000-6970	23670-09270	095000-5084	8-97313861-#	095000-5600
1465A041	095000-6131	8-97376270-#	095000-7890	16613AA020	095000-6020	16600-ES60#	095000-5650	16600-EB30#	095000-611#	23670-0R160
23670-0R110	095000-7600	095000-724#	095000-561#	095000-761#	095000-725#	095000-690#	095000-7490	095000-9560	095000-7630	095000-763#
095000-727#	095000-604#	095000-764#	095000-728#	095000-691#	095000-623#	23670-09290	23670-09210	23670-09140	23670-0r170	23670-0r120
23670-0r070	23670-0r020	095000-5760	1465A054	295050-0010	R2AA13H50	095000-7860	RF8G13H50	095000-5780	RF7J13H50	095000-7780
095000-7540	095000-8220	095000-8290	095000-5440	095000-5920	095000-641#	095000-767#	095000-731#	095000-696#	095000-7660	095000-730#
095000-641	095000-767	095000-731	095000-696	23670-0r190	23670-0r140	23670-0r030	23670-09280	23670-09240	23670-09180	095000-6250
16600-EC00#	095000-5801	6C1Q-9K546-AC	095000-581#	6C1Q-9K546-BB	095000-6240	16600-MB40#	095000-7720	095000-7730	095000-773#	095000-736#
095000-687#	095000-589#	095000-772#	095000-735#	095000-574#	23670-39295	23670-39155	23670-39135	23670-30320	23670-30210	23670-30180
23670-30080	095000-7060	970950-0636	970950-0534	095000-6510	095000-6373	095000-6983	295050-0050	295050-081#	095000-659#	295050-030#
295050-034#	295050-046#	295050-047#	295050-077#	295050-089#	295050-105#	295050-103#	295050-106#	095000-7760	095000-8900	095000-5471
970950-0547	8-97329703-#	970950-0890	8-98151837-0	095000-6500	095000-6490	095000-6480	095000-6310	095000-6320	095000-6470	095000-555#
295050-33#	295050-040#	295050-041#	295050-042#	095000-978#	095000-588#	095000-688#	295050-288#			

VDO	A2C59513554	A2C59517051	A2C59513556	A2C59513484	A2C59507596	A2C33351900	A2C9303500080	A2C8139490080
A2C3335190080								
Caterpillar	2645A747	2645A742	2645A745	2645A751	2645A749			
Version 8 new release								
295050-198#	095000-969#	28657626	28654965	R00301D	295050-1170	295050-1590	295050-1760	

The S1000 is also compatible on the following test benches:



Bosch 205



Bosch 815



Bosch 708



Hartridge Cri-Pro/PC



Hartridge Sabre Series



Hartridge AVM 2-PC



S4000 MK 2



MDS S7000



S8000

ALTERNATIVE SABRE PARTS

Merlin Part Number	T021-501
Hartridge Part Number	HS501
Description	Sabre Expert Return Flow Meter
Merlin Price	£1,250.00

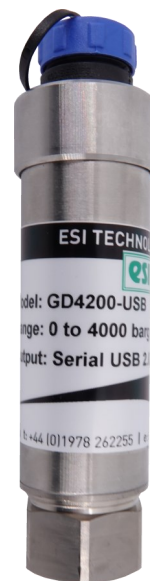


Oval Gear Flowmeter 3600 Pulses/Litre

Specifications:

Suitable for liquids	<i>Chemically Aggressive Liquids</i>
Flow range min. / max. LPM	<i>0,005 LPM - 1,75 LPM</i>
Pressure min. / max.	<i>-0,8 bar - 30 bar</i>
Operating temperature min./ max.	<i>-20 °C - 180 °C</i>
Material / Rotor / O-Ring	<i>Stainless Steel 316L / PPS / FKM</i>
Process connector	<i>2 x G 1/ 8" Female Thread BSP</i>
Electrical connection	<i>Silicon cable L= 2 m</i>
Signal / Output square-wave	<i>NPN , I_{max} = 15 mA</i>

Merlin Part Number	T021-GS4200
Hartridge Part Number	HM1023
Description	Pressure Audit Transducer Kit
Merlin Price	£840.00



Pressure Transducer

The GS4200 general purpose pressure transmitter is designed to meet the operational requirements of demanding pressure measurement applications where good quality, fast delivery and low cost are of the highest priority.

The unique Silicon-on-Sapphire sensor technology provides outstanding performance and gives excellent stability over a wide temperature range.

Standard accuracy is $\pm 0.25\%$ with an over pressure limit of twice the rated pressure range. This together with easy access for re-calibration, affirm the excellent design. All models are supplied with integral 1/4" BSP or alternative pressure connections.

Optional higher accuracy, outputs and electrical connections are available. The all titanium alloy wetted parts offer unbeatable corrosion resistance.

Standard pressure ranges:

0-4000 bar

ALTERNATIVE SABRE PARTS

Merlin Part Number	T021-1010
Hartridge Part Number	HK1219/C & HK1223/C
Description	Scania XPI Adaptor
Merlin Price	£206.50



Merlin Part Number	WK712/2
Hartridge Part Number	8999023
Description	Test Oil Filter Sabre
Merlin Price	£5.68



Merlin Part Number	SS-8F-K4-60
Hartridge Part Number	HS457
Description	Delivery/Back Leak Filter (No O-ring) Sabre
Merlin Price	£17.50



Merlin Part Number	28487439
Hartridge Part Number	N/A
Description	Pressure Control Valve for Sabre Expert Rail.
Merlin Price	£58.19



ALTERNATIVE SABRE PARTS



Part Number	8802011-20
Hartridge Part Number	8802011-20Ltr
Description	Calibration Fluid 20L
Merlin Price	£94.88



Merlin Part Number	T014-115
Hartridge Part Number	AHP5065
Description	High Pressure Pipe 14x12mm
Merlin Price	£44.10



Merlin Part Number	T014-116
Hartridge Part Number	AHP5066
Description	High Pressure Pipe 14x14mm
Merlin Price	£44.10



Part Number	1 683 386 166
Hartridge Part Number	N/A
Description	Inlet Adaptor for Bosch Adaptors
Merlin Price	£47.97

1 683 386 166 To be used in conjunction with all Bosch adapters for Sabre compatibility.



Merlin Part Number	T028-001
Hartridge Part Number	NTA5304
Description	Back-Leak Adaptor
Merlin Price	£48.30



Merlin Part Number	T028-005
Hartridge Part Number	NTA5305
Description	Back-Leak Adaptor 095000-534#
Merlin Price	£24.50

ALTERNATIVE SABRE PARTS

Bosch Adapters can be used on a Sabre in conjunction with Inlet adapter **1 683 386 166**

	Merlin Part Number	Hartridge Part Number	Description	Merlin Price
	BS202	9550190	7mm O-Ring Injector Pot	£1.50
	BS203	9550194	9mm O-ring Injector Pot	£1.50
	1 680 210 143	N/A	O-Ring for Inlet Adaptor PK12	£3.22
	T028-006	NTA5315	Back Leak Adaptor, Kubota 295050-198# M6 Thread	£23.80
	T031-4017	N/A	Return Back Leak Pipe for use with Bosch & Merlin Adaptors	£41.30
	T021-1065	HK1227/C & HK1223/C	Paccar MX-13	£252.00
	T021-1066		Mercedes Smart Injector A0030179112, BEBJIA02001	£192.00
	T021-1067	HK1226/C	Volvo, Renault, F2 Pumping, F2E Non-Pumping	£201.25

ALTERNATIVE SABRE PARTS



Bosch Adapters can be used on a Sabre in conjunction with Inlet adapter **1 683 386 166**

	Merlin Part Number	Hartridge Part Number	Description	Merlin Price
	T021-935	HK1189/C & HK1185/C	John Deere	£252.00
	T021-1068	HK1228/C & HK1223/C	Paccar MX-11	£322.00
	T021-1069	N/A	CAT9.3	£252.00
	T021-1070	N/A	Cummins ISL	£252.00
	T021-1071	N/A	CAT9.3	£252.00
	T021-1072	N/A	CAT C175	£349.65
	T021-1079	HK1043/C	CAT/Perkins 6.6, 2645A745	£180.60
	T021-1080	HK1202/C	Cat 4.4/7.1	£224.00



ALTERNATIVE SABRE PARTS

Bosch Adapters can be used on a Sabre in conjunction with Inlet adapter **1 683 386 166**

	Part Number	Hartridge Part Number	Description	Merlin Price
	T021-1078	HK1229/C	Smart injector BEBJIC01001 Mercedes	£196.00
	1 685 720 297	HK1041/C	Cummins	£78.14
	1 685 720 314	HK1223/C & HK1241/C	Valtra	£78.14
	1 685 720 296	HK928/C	Cummins	£78.14
	1 685 720 316	HK936/C	Renault	£78.14
	1 685 720 300	HK1016/C	MAN	£78.14
	1 685 720 318	HK1013/C	MAN	£78.14
	1 685 720 320	N/A	Ford Otosan	£78.14

ALTERNATIVE SABRE PARTS



Bosch Adapters can be used on a Sabre in conjunction with Inlet adapter **1 683 386 166**

	Part Number	Hartridge Part Number	Description	Merlin Price
	1 685 720 322	HK992/C	Yuchai	£78.14
	1 685 720 324	HK1047/C	Deutz	£78.14
	1 685 720 326	N/A	FAW	£189.75
	1 685 720 328	N/A	Dongfeng	£189.75
	1 685 720 330	N/A	MAZ, YamZ, PAZ, AMZ, Ashok Leyland	£78.14
	1 685 720 332	HK1045/C	Renault	£78.14
	1 685 720 334	N/A	Harvester	£78.14
	1 685 720 336	HK1233/C & HK1223/C	Weichai	£78.14



ALTERNATIVE SABRE PARTS

Bosch Adapters can be used on a Sabre in conjunction with Inlet adapter **1 683 386 166**

	Part Number	Hartridge Part Number	Description	Merlin Price
	1 685 720 338	N/A	DHIM	£78.14
	1 685 720 371	N/A	MAN, Navistar	£97.41
	1 685 720 373	N/A	FAW	£97.41
	1 685 720 377	N/A	Scania CRIN19-C	£175.49
	1 685 720 395	N/A	VE CV Ltd	£142.05
	1 685 720 415	N/A	John Deere	£195.93
	1 685 720 423	N/A	Ago, Deutz-Allis	£122.45
	1 685 720 426	N/A	FAW DA	£68.46

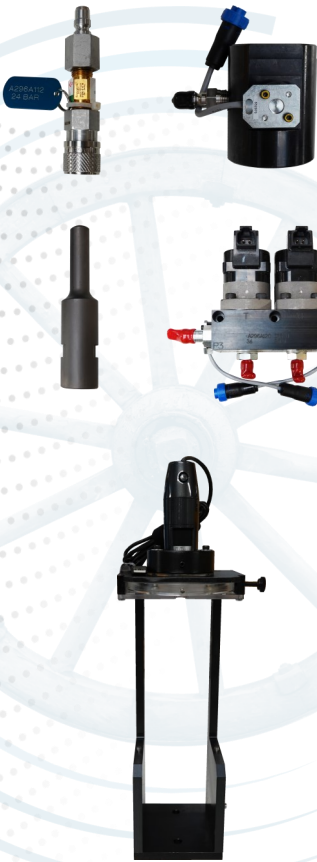
ALTERNATIVE SABRE PARTS



Bosch Adapters can be used on a Sabre in conjunction with Inlet adapter **1 683 386 166**

	Part Number	Hartridge Part Number	Description	Merlin Price
	1 685 720 340	N/A	Deutz	£78.14
	1 685 720 342	N/A	Hino, Toyota	£78.14
	1 685 720 344	HK1155/C	Iveco	£78.14
	1 685 720 346	HK1258/C	Mitsubishi	£78.14
	1 685 720 358	N/A	Cummins, Mahindra, yuchai Power, Yunnei, Yuchai machine	£78.14
	1 685 720 360	N/A	Fiat Group, Iveco, CASE New holland	£78.14
	1 685 720 362	N/A	Mitsubishi, Hino	£82.80
	1 685 720 364	N/A	MTU	£78.14





Hartridge Part Number	HK1413
Description	HPI Double Manifold Kit
Merlin Price	£5,393.00

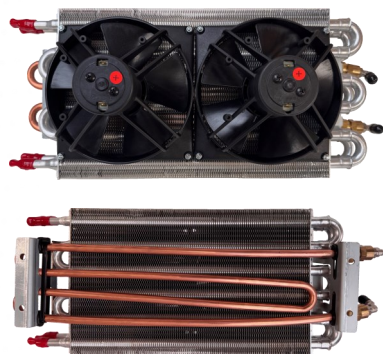
Hartridge Part Number	A237B001
Description	Nozzle Alignment Assembly
Merlin Price	£2,995.00



Hartridge Part Number	A237A001
Description	Clamping Fixture Assembly
Merlin Price	£3,459.00



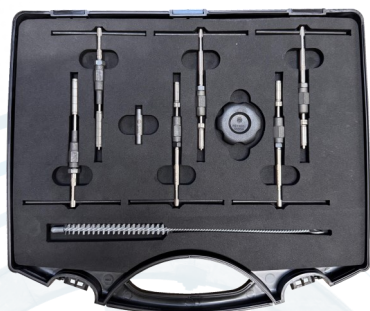
Hartridge Part Number	HK1414
Description	HPI Auxiliary Supply Pump Kit
Merlin Price	£1,750.00



Hartridge Part Number	A281D009
Description	Cooler Assembly
Merlin Price	£310.00



Hartridge Part Number	HRT200
Description	Bosch EUI/EUP Repair Kit
Merlin Price	£795.00



Hartridge Part Number	HRT201
Description	Bosch EUI/EUP Valve Changeover Kit
Merlin Price	£595.00



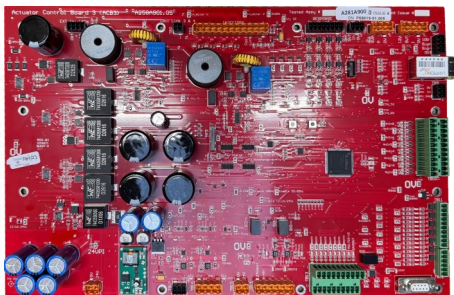
Hartridge Part Number	NTA4213
Description	Smart Transducer Tooling Assembly
Merlin Price	£1,995.00



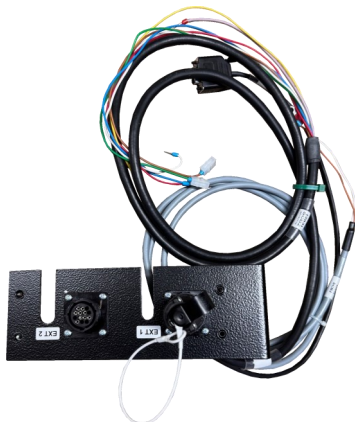
Hartridge Part Number	HK1416
Description	HPI TP Fuel Sleeve Kit
Merlin Price	£695.00



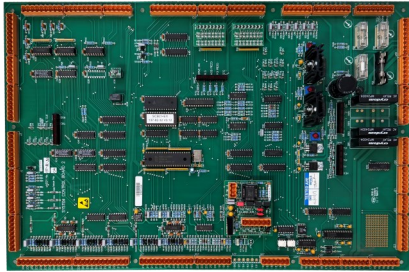
Hartridge Part Number	HS408
Description	Cam-Box Extension Upgrade Kit
Merlin Price	£695.00



Hartridge Part Number	HS463
Description	PCB Sabre Expert Assembly Kit
Merlin Price	£1,595.00



Hartridge Part Number	HB418
Description	PCB CR/EUI AVM-2 PC Interface
Merlin Price	£495.00



Hartridge Part Number	137-82-30
Description	System Control PBC
Merlin Price	£1,300.00 <i>Outright</i>



Hartridge Part Number	HK901
Description	Back-leak Measuring Kit
Merlin Price	£3,250.00



Hartridge Part Number	A085A001
Description	Roller Tappet Assembly
Merlin Price	£2,300.00



Hartridge Part Number	HK1217
Description	Nozzle Leak Adaptor
Merlin Price	£295.00

New Hartridge Equipment For Sale

HM180 SABRE Trolley

Robust wheeled Trolley designed for the Sabre series. Delivered in flatpack.

£995.00



£18,500.00

Toledo HEUI Master x 2 New

Merlin are pleased to offer the Toledo HEUI Master test stand HEUI stands for Hydraulic Electronic Unit Injector

The Toledo is a dedicated Cat/ Navistar HEUI Test Solution. The Unit uses new Multilingual Software, Magmah, and is designed to be a stand alone, or bench top unit.

New Hartridge Equipment For Sale

HF1150 x 2 New

£6,600.00

Caterpillar C6.6 common rail pump test kit for the AVM2-PC.

Included are the control box Coupling assembly, Mounting plate/Sensor assembly and Control interface unit.

Pump mounting fixtures also provided.



£2,995.00

HF1154 New

Bosch CP2 common rail pump control box for the AVM2-PC.

Bench requirements are:

- Universal common rail base kit
- Auto pressure control
- MAGMAH + v40.12 Onwards



Pre-owned Hartridge Equipment For Sale

CRI-PC Single Line

- Includes S1000 Coding
- 2016
- Drive Hours: 6320
- System Hours: 421

JUST IN CRI-PC 4 Line

Enquire for details



£12,000.00

£55,000.00



AVM2-PC

- 2013
 - Drive Hours: 1523
 - System Hours 3660
 - 20 hp
- Denso common rail Injector authorised.
Denso injector accessories included.

HK 1400 Expert

All-Makes Cam-Box, Ex Demo

Supplied with CAT accessories: C10, C32 and 3500

- NTA 4035
- NTA4033
- NTA4441
- NTA4447
- NTA4124
- NTA4423
- NTA4410
- NTA4101
- ADC320/1
- A242A 116
- A242A 143

£9,995.00



Pre-owned Hartridge Equipment For Sale

AVM2-PC

- 2006
- GEN 2 PC
- 20 hp
- 8 Cylinder



£35,000.00

£15,000.00



HK 1500

All-Makes Cam-Box

Can be made Delphi authorised with extra hardware.

- Delphi E1/E3

Volvo, John Deere, Land Rover TD5, Iveco, Scania

Cummins PT HF491

Mobile pump test unit enables workshops to test Cummins PT pumps on existing test stands.

- Uses an existing test stand to drive the Cummins PT pump
- Will test all Cummins PT pumps
- Fitted to a mobile storage base for convenience



£2,995.00



- Diesel Pump / Injector / Test and Repair
- Suppliers of New and Remanufactured Pumps / Injectors
- Technical Support
- Test Equipment
- Parts Sales
- Injector Software Coding Solutions
- Conference and Training Facilities

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