

# Engine Number Guide

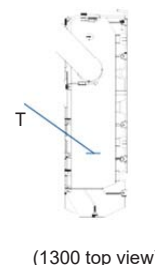
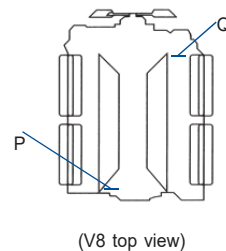
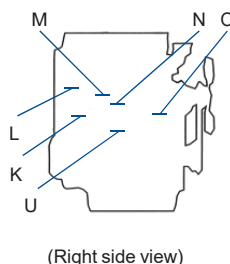
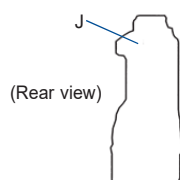
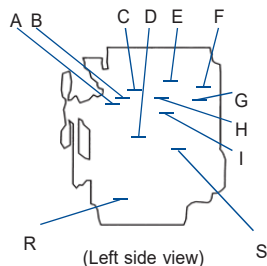
## Engines < 2 litre/cylinder (produced post 1974)

Engine number guide		
Example:	<b>PJ 12345 U 123456P</b>	
Engine family and type code	PJ	1106D-E66TA
Parts list number of SOS order reference number	12345	
Country of manufacture code	U	UK
Engine serial number	123456	
Year of manufacture code	P	2007

Year of manufacture code							
This code indicates the calendar year of manufacture. The letters I, O, Q, R and Z will not be used.							
A	1974	L	1984	Y	1994	K	2003
B	1975	M	1985	A	1995	L	2004
C	1976	N	1986	B	1996	M	2005
D	1977	P	1987	C	1997	N	2006
E	1978	S	1988	D	1998	P	2007
F	1979	T	1989	E	1/1/99-31/3/99	R <sup>1</sup> /S	2008
G	1980	U	1990	F	1/4/99-31/12/99	T	2009
H	1981	V	1991	G	2000	U	2010
J	1982	W	1992	H	2001	V	2011
K	1983	X	1993	J	2002	W	2012

Country of manufacture code							
This code indicates the country in which the basic engine was manufactured.							
A	Argentina	H	Group	L	Italy	SA	South Africa
B	Brazil <sup>2</sup>	HC	China <sup>2</sup>	M	Mexico	T	Turkey
C	Australia	HM	Indonesia	MX	Mexico	U	UK <sup>2</sup>
D	Germany	HK	Iraq	N	USA <sup>2</sup>	V	Pakistan
E	Spain	HU	Uruguay	P	Poland	W	Iran
F	France	J	Japan	R	China <sup>2</sup>	X	Peru
G	Greece	K	Korea	S	India	Y	Yugoslavia

## Where to find your engine number



Engine type	Position	Engine type	Position	Engine type	Position
3.152	M	4.41	H	Prima/500 Series	E
4.108	A	6.247	C or F	Phaser/1000/1100(A/B/C) Series	H or J
4.154 / 200 Series	B	6.354	D	1104D	S
4.165	B or G	V8.540	Q	850 Series	D or R
4.203	J or N	Peregrine/1300 Series	I or O	1204E	S
4.212/4.248/900 Series	C	V8.640	P	1206E	R
1106D including PK	R	700/800 Series	K	1300 Series	T
4.236	C or L	Perama/100/400 Series	O	1600 Series	U
4.318	F				

### Notes

<sup>1</sup> A number of engines were built with the letter 'R' as the year of manufacture code. In the middle of January 2008, the year of manufacture code was changed to the letter 'S'. If your full engine serial number ends with the letter 'R', Perkins Engines Company Limited will recognise the full engine serial number.

<sup>2</sup> Represents current manufacturing facilities.

If the letter 'R' appears after the country code this represents a remanufactured engine (ie UR = UK remanufactured engine).

## Engine family and type code

A	Phaser/1004 Series	D	1103C Range		400C Range	N	4.318 Series	TU	T6.3544	X	V8.540 Series
AA	1004-4	DC	1103C-33	HB	402C-05	NC	4.318	TV	6.3724	XA	V8.510
AB	1004-4T	DD	1103C-33T	HD	403C-07	ND	4.3182	TW	6.3544	XB	TV8.510
AC	1004-4T	DE	1103C-33TA	HH	403C-11		1104D Range	TX	C6.3544	XC	V8.540
AD	1004e-4TW		1103B Range	HL	403C-15	NH	1104D-E44T	TY	H6.3544	XE	TV8.540
AE	Fed. CC	DF	1103B-33	HM	403C-17	NJ	1104D-E44TA	TZ	HT6.3544		1103D Range
AF	1004-40S	DG	1103B-33T	HN	404C-15	NK	1104D-44	U	700 Series	XG	1103D-E33
AG	1004-4		1103A Range	HP	404C-22	NL	1104D-44T	UA	704.30	XH	1103D-E33T
AH	1004-4T	DJ	1103A-33	HR	404C-22T	NM	1104-44TA	UB	704.26	XJ	1103D-E33TA
	New 1000 Series	DK	1103A-33T	J	4.203 Series	P	1106D Range	UC	704.30	XK	1103D-33
AJ	1004-40	E	4.108 Series	JD	4.203	PJ	1106D-E66TA		800C Range	XL	1103D-33T
AK	1004-40T	ED	4.108	JE	D4.203	PK	1106C-E66TA <sup>1</sup>	UE	804C-33	XM	1103D-33TA
AL	1004-40TA	E	400F Range	JF	G4.203		1106A Range	UF	804C-33T		1600 Series
AM	1004-40T	EG	402F-05 <sup>2</sup>	JG	4.2032	PR	1106A-70TA		800D Range	XGAF	1606A-E93TAG1
AP	1004-40	EH	403F-07 <sup>2</sup>		850 Series		1106C Range	UK	804D-33	XGBF	1606A-E93TAG2
AQ	1004-40T	EJ	403F-11 <sup>2</sup>	JR	854E-E34TA	PS	1106C-70T	UL	804D-33T	XGDF	1606A-E93TAG3
AR	1004-42	EK	403F-15 <sup>2</sup>		wall flow	PT	1106C-70TA	UM	804D-33TA	XGEF	1606A-E93TAG4
AS	1004-42	EL	403F-15T <sup>2</sup>	JS	854F-E34T	R	6.247 Series	V	1106C Range	XGFF	1606A-E93TAG5
AT	1004-40TA	EN	404F-22 <sup>2</sup>		wall flow	RA	6.247	VK	1106C-E60TA	Y	Phaser/1006 Series
B	Prima/500 Series	EP	403F-22T <sup>2</sup>	JT	854F-E34T		1104C Range	W	1300 Series	YA	1006-6
BA	504-2	G	4.154/200 Series		through flow	RE	1104C-44		Peregrine	YB	1006-6T
BB	504-2T	GA	4.154	K	Perama/100 Series	RF	1104C-E44	WB	1306-8T	YC	1006-6T
	1206 Range	GB	4.135	KD	103.10	RG	1104C-44T	WC	1306-8TA	YD	1006e-6T
BK	1206E-E66TA	GC	4.182	KE	103.15	RH	1104C-E44T	WD	1306-7T	YE	Fed. CC
	wall flow	GD	4.25	KF	104.19	RJ	1104C-44TA		pre June 2010	YF	1006-60S
BL	1206E-E70TTA	GE	4.3	KH	103.13	RK	1104C-E44TA	WD	1306-E87T/TA		New 1000 Series
	wall flow		400D/A Range	KL	103.07		1104A Range		post June 2010	YG	1006-60
C	3.152 Series	GG	402D-05	KN	102.05	RR	1104A-44	WE	1306-7TA	YH	1006-60T
CA	P3	GH	403D-07	KR	104.22	RS	1104A-44T	WF	1306-8T NGD	YJ	1006-60TA
CB	3.144	GJ	403D-11	KS	103.11	RT	1104A-44TA	WG	1306-8TA NGD	YK	1006-60TW
CC	P3.144	GK	403D-15	L	4.236 Series	SD	Sabre CC6.68		pre Jan 2010	Z	V8.640 Series
CD	3.152	GL	403D-15T	LA	4.212	T	6.354 Series	WG	1306C-E87TA	ZA	V8.640
CE	D3.152	GM	404D-15	LD	4.236	TC	6.354		post Jan 2010	ZB	TV8.640
CF	G3.152	GN	404D-22	LE	G4.236	TD	H6.354	WH	1306-9T NGD		
CG	P3.152	GP	404D-22T	LF	4.248	TE	T6.354	WJ	1306-9TA NGD		
CJ	3.1522	GR	404D-22TA	LG	4.2482	TF	HT6.354		1300 Series EDI		
CM	3.1524	GS	403D-17	LH	C4.236	TG	6.3541	WK	1306-E76T		
CN	T3.1524	GT	403A-11	LJ	T4.236	TH	T6.3541	WL	1306-E76TA		
	900 Series	GU	403A-15	LM	4.41	TJ	6.3542	WM	1306-E87T		
CR	903-27	GV	404A-22		1204E Range	TK	C6.3542	WN	1306-E87TA		
CP	903-27	H	4.165 Series		1204E-E44TA	TP	T6.3543	WP	1306-E76T		
CS	903-25	HA	4.165	MK	1204E-E44TTA	TR	6.372	WQ	1306-E76TA		
CT	903-27S			ML	wall flow	TT	TC6.3541	WR	1306-E87T		
					wall flow			WS	1306-E87T A		
									EP pre Jan 2010		
									IOPU pre June 2010		

A	Air to air charge cooling	E	Electronic	H	Horizontal	T	Turbocharged
C	Compensated	F	Federal emissions		Narrow front end	U	Unit injection
CC	Charged cooled	FF	Federal	N	Timing chain	V	V form
D	Direct Injection	G	Gasoline/gas		Spark ignition	W	Water to air charge cooling

## Notes

<sup>1</sup> PK Series engines are derived from the 1106D Series platform but are only Stage II EU 2007 genet emissions compliant.

<sup>2</sup> Available from 2013.

Peterborough products may show a finishing list on the engine plate, eg F1895. It is very important to quote this when spare parts are required.



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## Large engines (produced post 1994)

### 1300 Series

From January 2010 ElectropaK (EP) and June 2010 Industrial Open Power Unit (IOPU) the engine numbering format for 1300 Series engine range changed to bring it into line with 2000 and 4000 Series engines.

Engine number guide			
Example:	<b>W G H F 7004 N 12345 U</b>		
1300 Series engine	W	Differentiator for customer specific options	7004
Gen set application (D for IOPU)	G	USA country of origin base engine	N
Rating (eg TAG6)	H	Unique serial number	12345
6 cylinders	F	2010 build year	U

Engine family and type code			
Build list ID pre January 2010	Build list ID from January 2010	Product type	Speed
1300 Series EP			
WS5360	WGDF7002	1306C-E87TAG3	1500 rpm
WS5361	WGEF7003	1306C-E87TAG4	1500 rpm
WS5358	WGFF7007	1306C-E87TAG5	1500 rpm
WS5362	WGHF7004	1306C-E87TAG6	1500 rpm
WS5359	WGDF7008	1306C-E87TAG3	1800 rpm
WS5357	WGEF7009	1306C-E87TAG4	1800 rpm
WS5363	WGDF7005	1306C-E87TAG3	1500/1800 rpm
WS5364	WGEF7006	1306C-E87TAG4	1500/1800 rpm
Build list ID pre June 2010	Build list ID from June 2010	Product type	Gross rating kWm @ rpm
1300 Series IOPU			
WR4424	WDMF7100	1306-E87T	153.0 @ 2200
WP4423	WDNF7101	1306-E76T	156.5 @ 2400
WR4425	WDPF7102	1306-E87T	168.0 @ 2200
WS4426	WDQF7103	1306-E87TA	186.5 @ 2000
WS4427	WDRF7104	1306-E87TA	186.5 @ 2200
WS4580	WDSF7105	1306-E87TA	197.5 @ 2100
WS4428	WDTF7106	1306-E87TA	197.5 @ 2100
WS5093	WDUF7107	1306-E87TA	197.5 @ 2200
WS5095	WDVF7108	1306-E87TA	197.5 @ 2200
WS5405	WDWF7109	1306-E87TA	223.5 @ 2200
WS5404	WDXF7110	1306-E87TA	246.0 @ 2000

### 1600 Series

Engine number guide			
Example:	<b>X G D F 7147 N 12345 W</b>		
1600 Series engine	X	Differentiator for customer specific options	7147
Gen set application	G	USA country of origin base engine	N
Rating (eg TAG3)	D	Unique serial number	12345
6 cylinders	F	2012 build year	W

Engine family and type code	
Build list ID pre January 2010	Product type
1600 Series EP	
XGAF	1606A-E93 TAG1
XGBF	1606A-E93 TAG2
XGDF	1606A-E93 TAG3
XGEF	1606A-E93 TAG4
XGFF	1606A-E93 TAG5

61 Capacity in litres	E External water circuit	I Intercooled	S (SI) Spark ignition
A Air to air	E* Electronic	M Marine	T Turbocharged
CHP Combined heat and power	G Genset	R Remote cooled	W Water

## 2000 Series Electronic (Stafford)

From the 1st January 2008 the engine numbering format for the 2000 Series engine range changed. The two numbers used previously to determine the number of cylinders per engine, have been replaced by one letter. The following letters will define the number of cylinders:

■ 6 Cylinder engine	F will replace 06	■ 12 Cylinder engine	M will replace 12
■ 8 Cylinder engine	H will replace 08	■ 16 Cylinder engine	R will replace 16

Engine number guide			
Example:	<b>FG A 06 0019 U 0178 P</b>		
Engine application	FG	Country of manufacture	U
Engine family and type code	A	Build line number	0178
Number of cylinders	06	Year of manufacture	P
Engine specification number	0019		

Engine family and type code		
Build list ID pre January 2009	Build list ID from January 2009	Product type
2206 range		
N/A	TGBF	2206TAG2 (13 litre)
N/A	TGDF	2206TAG3 (13 litre)
N/A	TGFF	2206TAG5 (13 litre)
N/A	TGHF	2206TAG6 (13 litre)
Build list ID pre January 2008	Build list ID from January 2008	Product type
2300 range		
FGA06	FGAF	2306TAG1 (14 litre)
FGB06	FGBF	2306TAG2 (14 litre)
FGD06	FGDF	2306TAG3 (14 litre)
2500 range		
MGA06	MGAF	2506TAG1 (15 litre)
MGB06	MGBF	2506TAG2 (15 litre)
MGD06	MGDF	2506TAG3 (15 litre)
MGE06	MGEF	2506TAG4 (15 litre)
2800 range		
HGA06	N/A	2806TAG1 (16 litre)
HGB06	N/A	2806TAG2 (16 litre)
JGA06	JGAF	2806TAG1 (A) (18 litre)
JGB06	JGBF	2806TAG2 (18 litre)
JGD06	JGDF	2806TAG3 (18 litre)

## 2000/3000 Series Mechanical (Shrewsbury)

Engine number guide			
Example:	<b>SG A 06 0010 U 0001 Y</b>		
Engine application	SG	Country of manufacture	U
Engine family and type code	A	Build line number	0001
Number of cylinders	06	Year of manufacture	Y
Engine specification number	0010		

Engine family and type code					
Family: SA Automotive		Family: SI Gas		Family: SG Genset (cont/ d)	
SAA	300TX	SIA	SI	SGE	TAG4
SAB	320MX	SIB	SI Gas Unit	SGF	TG
SAC	335TX	SIC	TSI CHP	SGG	TG1A
SAE	350E	SID	TSI Gas Unit	SGH	TG2A
SAG	375TX	SIE	TWSI CHP	SFJ	TTAG
SAJ	340TX2	SIF	TWSI Gas Unit	SGK	TWG2
SAK	380TX2	Family: SM Marine		SGL	TAG
SAL	410TX2	SMA	M600T1	SGM	TAG5
Family: SB Short Block		SMB	M700T1	Family: SH Horizontal	
SBA	TX	SMC	M800T1	SHA	TWH
SBB	2000 Series	Family: SF Forklift		Family: SP Plant	
SBC	3008 Series	SFA	T1	SPA	T T1
SBD	3012 Series	SFB	T2	SPB	T2 TA
Family: SL Long Engine		SFC	TA	SPC	TAP
SLA	TX / Euro 2	SFD	TW	SPD	TP
SLB	2000 Series	Family: SG Genset		SPE	TTA
SLC	3008 Series	SGA	TAG1A	SPJ	TTAP
SLD	3012 Series	SGB	TAG2	SPK	TW
SLE	3008 Marine	SGC	TAG2A	SPL	TW1
SLG	3008 / 3012SI	SGD	TAG3A	SPM	
		SGE	TAG4	SPP	

61 Capacity in litres	E External water circuit	I Intercooled	S (SI) Spark ignition
A Air to air	E* Electronic	M Marine	T Turbocharged
CHP Combined heat and power	G Genset	R Remote cooled	W Water

## 4000 Series

### Engine number guide

Example:	<b>DGB 06 0081 U 0017 B</b>		
Stafford	D	Fixed build number (0000 means configured product)	0081
Gen set application	G	Country of manufacture	U
Engine type	B	Build line number	0017
Number of cylinders	06	Year of manufacture	B

### Engine family and type code - Diesel

Build list ID pre January 2008	Build list ID from January 2008	Product type
4006 range		
DGA06	N/A	4006 TAG1
DGB06	DGBF	4006 / 4006-23 TAG2 (A)
DGD06	DGDF	4006 / 4006-23 TAG3 (A)
DGM06	N/A	4006TWG
DGP06	N/A	4006TEG
4008 range		
DGL08	DGLH	4008TAG
DGA08	DGAH	4008TAG1 (A)
DGB08	DGBH	4008TAG2 (A)
DGK08	N/A	4008TWG2
4012 range		
DGL12	N/A	4012 TAG
DGA12	DGAM	4012 / 4012-46 TAG1 (A)
DGB12	DGBM	4012 / 4012-46 TAG2 (A)
DGD12	DGDM	4012-46 TAG3 (A)
DGM12	N/A	4012 TWG
DGK12	DGKM	4012 / 4012-46 TWG2 (A)
DGN12	DGNM	4012-46 TWG3 (A)
N/A	DGVM	4012-46 TWG4 (A)
DGP12	N/A	4012TEG
DGR12	N/A	4012TEG2
4016 range		
DGL16	DGLR	4016 TAG
DGA16	DGAR	4016 TAG1 (A)
DGB16	DGBR	4016 TAG2 (A)
DGK16	DGKR	4016TWG2
DGR16	DGRR	4016TEG1/2 (A)
N/A	DGPR (Introduced July 2010)	4016-61TRG1 (A)
N/A	DGWR (Introduced July 2010)	4016-61TRG2 (A)
N/A	DGXR (Introduced July 2010)	4016-61TRG3 (A)

### Engine family and type code - Gas

Build list ID pre January 2008	Build list ID from January 2008	Product type
4006 range		
DIE06	DIEF	4006TESI
DIF06	DIFF	4006TESI
DIH06	DIHF	4006TRS
DIJ06	DIJF	4006TRS
4008 range		
DIE08	DIEH	4008TESI
DIF08	DIFH	4008TESI
DIH08	DIHH	4008TRS
DIJ08	DIJH	4008TRS
4012 range		
DIE12	DIEM	4012TESI
DIF12	DIFM	4012TESI
4016 range		
DIE16	DIER	4016TESI
DIF16	DIFR	4016TESI
DIG16	DIGR	4016E61-TRS
N/A	DIHR (Build List ID from Jan 2009)	4016TRS
N/A	DIJR (Build List ID from Jan 2009)	4016TRS

### Note

A letter 'A' after the engine type equals the first evolution of that product, eg TAG1A

## Shrewsbury product (produced pre 1994)

### 2000/3000 Series

### Engine number guide

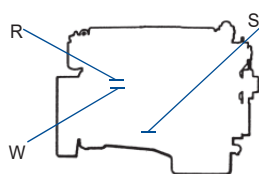
Example:	<b>8C 27655 U 88900 W</b>		
Engine family and type code	8C	Build line number	88900
Engine specification number	27655	Year of manufacture	W
Country of manufacture	U		

### Engine family and type code

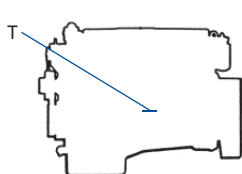
8BT, 8CTA, 8DTW	Eagle
8CTA	Eagle TX
8BT, 8CTA/TTA, 8DTW, 8ESI, 8GTW-H	2000 Series
4AT, 4BT, 4ESI	3008 / CV8
4CTi	Condor Marine
6ATA, 6CTW, 6DT, 6ESI	3012 / CV12

### Engine type

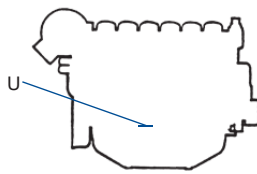
Engine type	Position
Eagle/2000 Series	R
3008 Series	T
3012 Series	S
2300/2500/2800 Series	W
4006/4008 Series	U
4012/4016 Series	V or X



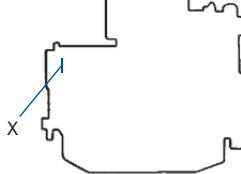
(Right side view)



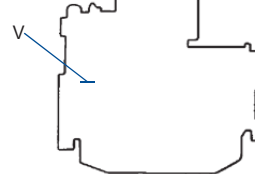
(Left side view)



(Right side view)



(Left side view)



(Right side view)





ACN 108 344 903 ABN 81 108 344 903



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