

Engine Number Guide

Engines < 2 litre/cylinder (produced post 1974)

Engine number guide		
Example:	PJ 12345 U 123456P	
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
B	1975	M	1985
C	1976	N	1986
D	1977	P	1987
E	1978	S	1988
F	1979	T	1989
G	1980	U	1990
H	1981	V	1991
J	1982	W	1992
K	1983	X	1993
Y	1994		
A	1995		
B	1996		
C	1997		
D	1998		
E	1/1/99-31/3/99		
F	1/4/99-31/12/99		
G	2000		
H	2001		
J	2002		
K	2003		
L	2004		
M	2005		
N	2006		
P	2007		
R ¹ /S	2008		
T	2009		
U	2010		
V	2011		

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

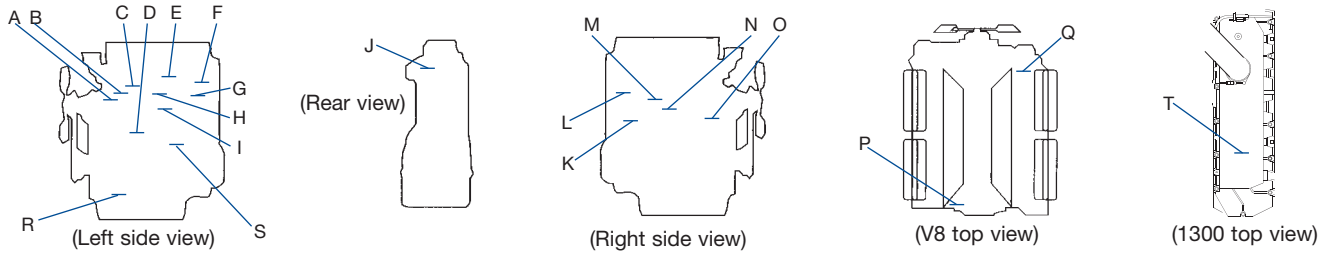
Notes

¹ 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.

² Represents current manufacturing facilities.

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

Where to find your engine number



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

Engine family and type code

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

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

Notes

¹ PK Series engines are derived from the 1106D Series platform but are only Stage II EU 2007 genset emissions compliant.

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.

Large engines (produced post 1994)

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

1300 Series

Engine number guide			
The 1300 Series engine number looks like this: W G H F 7004 N 12345 U			
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 (TAG6 in this case):	H	Unique serial number:	12345
6 cylinders:	F	2010 build year:	U

Engine family and type codes 1300 Series ElectropaK			
Build list ID pre Jan 2010	Build list ID from Jan 2010	Product type	Speed
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

Engine family and type codes 1300 Series IOPU			
Build list ID pre June 2010	Build list ID from June 2010	Product type	Gross rating kWm @ rpm
WR4424	WDMF7100	1306-E87T	153 @ 2200
WP4423	WDNF7101	1306-E76T	156.5 @ 2400
WR4425	WDPF7102	1306-E87T	168 @ 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 @ 2000

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

2000 Series Electronic (Stafford)

Engine number guide			
A 2000 Series electronic engine (Stafford) looks like this: FG A 06 0019 U 0178 P			
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 codes 2206 Series		
Build list ID pre Jan 2009	Build list ID from Jan 2009	Product type
N/A	TGBF	2206TAG2 (13 litre)
N/A	TGDF	2206TAG3 (13 litre)
N/A	TGFF	2206TAG5 (13 litre)
N/A	TGHF	2206TAG6 (13 litre)

Engine family and type codes 2300 Series		
Build list ID pre Jan 2008	Build list ID from Jan 2008	Product type
FGA06	FGAF	2306TAG1 (14 litre)
FGB06	FGBF	2306TAG2 (14 litre)
FGD06	FGDF	2306TAG3 (14 litre)

Engine family and type codes 2500 Series		
Build list ID pre Jan 2008	Build list ID from Jan 2008	Product type
MGA06	MGAF	2506TAG1 (15 litre)
MGB06	MGBF	2506TAG2 (15 litre)
MGD06	MGDF	2506TAG3 (15 litre)
MGE06	MGEF	2506TAG4 (15 litre)

Engine family and type codes 2800 Series		
Build list ID pre Jan 2008	Build list ID from Jan 2008	Product type
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)

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

From the 1st January 2008 the engine numbering format for the 2000 and 4000 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

2000/3000 Series Mechanical (Shrewsbury)

Engine number guide			
The 2000/3000 Series engine numbers look like this: SG A 06 0010 U 0001 Y			
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 codes 2000/3000 Series			
Family: SA Automotive		Family: SI Gas	
SAA	300TX	SIA	SI
SAB	320MX	SIB	SI Gas Unit
SAC	335TX	SIC	TSI CHP
SAE	350E	SID	TSI Gas Unit
SAG	375TX	SIE	TWSICHP
SAJ	340TX2	SIF	TWSI Gas Unit
SAK	380TX2	Family: SM Marine	
SAL	410TX2	SMA	M600T1
Family: SB Short Block		SMB	M700T1
SBA	TX	SMC	M800T1
SBB	2000 Series	Family: SF Forklift	
SBC	3008 Series	SFA	T1
SBD	3012 Series	SFB	T2
Family: SL Long Engine		SFC	TA
SLA	TX / Euro 2	SFD	TW
SLB	2000 Series	Family: SG Genset	
SLC	3008 Series	SGA	TAGIA
SLD	3012 Series	SGB	TAG2
SLE	3008 Marine	SGC	TAG2A
SLG	3008 / 3012SI	SGD	TAG3A
		SGE	TAG4
		Family: SG Genset (cont/d)	
		SGE	TAG4
		SGF	TG
		SGG	TGIA
		SGH	TG2A
		SFJ	TTAG
		SGK	TWG2
		SGL	TAG
		SGM	TAG5
		Family: SH Horizontal	
		SHA	TWH
		Family: SP Plant	
		SPA	T
		SPB	T1
		SPC	T2
		SPD	TA
		SPE	TAP
		SPJ	TP
		SPK	TTA
		SPL	TTAP
		SPM	TW
		SPP	TW1

4000 Series

Engine number guide			
A 4000 series engine number looks like this: DGB 06 0081 U 0017 B			
Stafford	D	United Kingdom	U
Application code (Genset)	G	17th engine this year	0017
Engine type	B	Year letter (B=1996)	B
Number of cylinders	06		

Fixed bill number (0000 means configured product) 0081

Diesel

Engine family and type codes 4006 Series		
Build list ID pre Jan 2008	Build list ID from Jan 2008	Product type
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

Engine family and type codes 4008 Series		
Build list ID pre Jan 2008	Build list ID from Jan 2008	Product type
DGL08	DGLH	4008TAG
DGA08	DGAH	4008TAG1 (A)
DGB08	DGBH	4008TAG2 (A)
DGK08	N/A	4008TWG2

Engine family and type codes 4012 Series		
Build list ID pre Jan 2008	Build list ID from Jan 2008	Product type
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 TWG 2 (A)
DGN12	DGNM	4012-46 TWG3 (A)
N/A	DGVM	4012-46 TWG4 (A)
DGP12	N/A	4012TEG
DGR12	N/A	4012TEG2

Engine family and type codes 4016 Series		
Build list ID pre Jan 2008	Build list ID from Jan 2008	Product type
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)

Gas

Engine family and type codes 4006 Series		
Build list ID pre Jan 2008	Build list ID from Jan 2008	Product type
DIE06	DIEF	4006TESI
DIF06	DIFF	4006TESI
DIH06	DIHF	4006TRS
DIJ06	DIJF	4006TRS

Engine family and type codes 4008 Series		
Build list ID pre Jan 2008	Build list ID from Jan 2008	Product type
DIE08	DIEH	4008TESI
DIF08	DIFH	4008TESI
DIH08	DIHH	4008TRS
DIJ08	DIJH	4008TRS

Engine family and type codes 4012 Series		
Build list ID pre Jan 2008	Build list ID from Jan 2008	Product type
DIE12	DIEM	4012TESI
DIF12	DIFM	4012TESI

Engine family and type codes 4016 Series		
Build list ID pre Jan 2008	Build list ID from Jan 2008	Product type
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

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

Shrewsbury product (produced pre 1994)

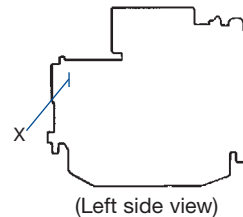
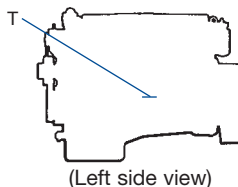
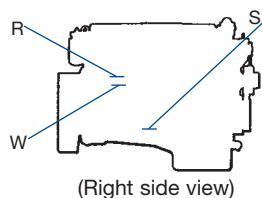
Engine number guide

The 2000/3000 Series engine numbers look like this: 8C 27655 U 88900 W

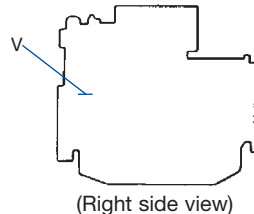
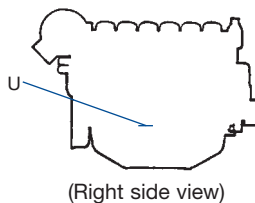
Engine family and type code:	8C	Build line number:	88900
Engine specification number:	27655	Year of manufacture:	W
Country of manufacture:	U		

Engine family and type codes

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



Note

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

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