

# Engine Number Guide

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

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

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

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

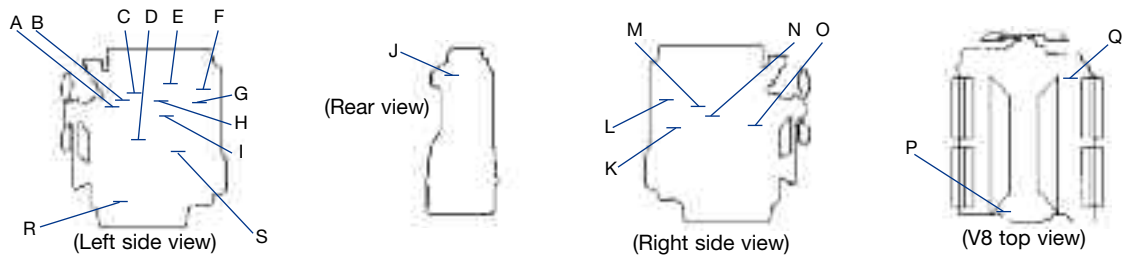
## Notes

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	4.236	C or L	V8.640	P
4.108	A	4.318	F	700/800 Series	K
4.154 / 200 Series	B	4.41	H	Perama/100/400 Series	O
4.165	B or G	6.247	C or F	Prima/500 Series	E
4.203	J or N	6.354	D	Phaser/1000/1100(A/B/C) Series	H or J
4.212/4.248/900 Series	C	V8540	Q	1104D	S
1106D including PK	R	Peregrine/1300 Series	I or O		

Engine family and type code											
A	Phaser/1004 Series	900 Series	H	4.165 Series	N	4.318 Series	TK	C6.3542	WL	1306-E76TA	
AA	1004-4	CP	903-27	HA	4.165	NC	4.318	TP	T6.3543	WM	1306-E87T
AB	1004-4T	CR	903-27T		400C Series	ND	4.3182	TR	6.372	WN	1306-E87TA
AC	1004-4T	CS	903-25	HB	402C-05		1104D Series	TT	TC6.3541	WP	1306-E76T
AD	1004e-4TW	CT	903-27S	HD	403C-07	NH	1104D-E44T	TU	T6.3544	WQ	1306-E76TA
AE	Fed. CC	D	1103C Series	HH	403C-11	NJ	1104D-E44TA	TV	6.3724	WR	1306-E87T
AF	1004-40S	DC	1103C-33	HL	403C-15	NK	1104D-44	TW	6.3544	WS	1306-E87TA
AG	1004-4	DD	1103C-33T	HM	403C-17	NL	1104D-44T	TX	C6.3544	X	V8.540 Series
AH	1004-4T	DE	1103C-33TA	HN	404C-15	NM	1104D-44TA	TY	H6.3544	XA	V8.510
	New 1000 Series		1103B Series	HP	404C-22	P	1106D Series	TZ	HT6.3544	XB	TV8.510
AJ	1004-40	DF	1103B-33	HR	404C-22T	PJ	1106D-E66TA	U	700 Series	XC	V8.540
AK	1004-40T	DG	1103B-33T	J	4.203 Series	PK	1106C-E66TA <sup>1</sup>	UA	704-30	XE	TV8.540
AL	1004-40TA		1103A Series	JD	4.203	R	6.247 Series	UB	704-26		1103D Series
AM	1004-40T	DJ	1103A-33	JE	D4.203	RA	6.247	UC	704-30	XG	1103D-E33
AP	1004-40	DK	1103A-33T	JF	G4.203		1104C Series		800 Series	XH	1103D-E33T
AQ	1004-40T	E	4.108 Series	JG	4.2032	RE	1104C-44	UE	804C-33	XJ	1103D-E33TA
AR	1004-42	ED	4.108	K	Perama/100 Series	RF	1104C-E44	UF	804C-33T	XK	1103D-33
AS	1004-42	G	4.154/200 Series	KD	103.10	RG	1104C-44T		800D Series	XL	1103D-33T
AT	1004-40TA	GA	4.154	KE	103.15	RH	1104C-E44T	UK	804D-33	XM	1103D-33TA
B	Prima/500 Series	GB	4.135	KF	104.19	RJ	1104C-44TA	UL	804D-33T	Y	Phaser / 1006 Series
BA	504-2	GC	4.182	KH	103.13	RK	1104C-E44TA	UM	804D-33TA	YA	1006-6
BB	504-2T	GD	4.25	KL	103.07		1104A Series	V	1106C Series	YB	1006-6T
C	3.152 Series	GE	4.3	KN	102.05	RR	1104A-44	VK	1106C-E60TA	YC	1006-6T
CA	P3		400D Series	KR	104.22	RS	1104A-44T	W	1300 Series Peregrine <sup>2</sup>	YD	1006e-6TW
CB	3.144	GG	402D-05	KS	103.11	RT	1104A-44TA	WB	1306-8T	YE	Fed. CC
CC	P3.144	GH	403D-07	L	4.236 Series	SD	Sabre CC6.68	WC	1306-8TA	YF	1006-60S
CD	3.152	GJ	403D-11	LA	4.212	T	6.354 Series	WD	1306-7T		New 1000 Series
CE	D3.152	GK	403D-15	LE	4.236	TC	6.354	WE	1306-7TA	YG	1006-60
CF	G3.152	GL	403D-15T	LD	G4.236	TD	H6.354	WF	1306-8T NGD	YH	1006-60T
CG	P3.152	GM	404D-15	LF	4.248	TE	T6.354	WG	1306-8TA NGD	YJ	1006-60TA
CJ	3.1522	GN	404D-22	LG	4.2482	TF	HT6.354	WH	1306-9T NGD	YK	1006-60TW
CM	3.1524	GP	404D-22T	LH	C4.236	TG	6.3541	WJ	1306-9TA NGD	Z	V8.640 Series
CN	T3.1524	GR	404D-22TA	LJ	T4.236	TH	T6.3541		1300 Series EDi	ZA	V8.640
		GS	403D-17	LM	4.41	TJ	6.3542	WK	1306-E76T	ZB	TV8.640

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

- PK Series engines are derived from the 1106D Series platform but are only stage II EU 2007 genset emissions compliant.
- 1300 Series engines have a different serial number format. They have 7 digits after the middle letter, which is an N or a P. There is no year letter at the end, eg WS4486P1354691.

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 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 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)

## 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

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

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 Diesel

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

### 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)

## 4000 Series 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

## Shrewsbury product (produced pre 1994)

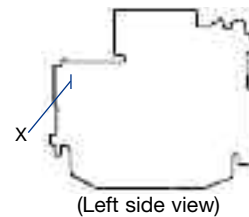
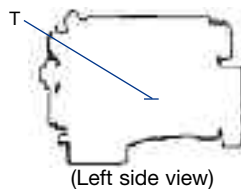
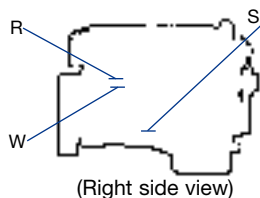
### Engine number guide

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

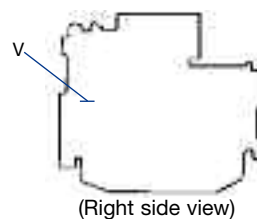
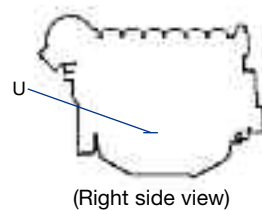
Engine family and type code:	<b>8C</b>	Build line number:	<b>88900</b>
Engine specification number:	<b>27655</b>	Year of manufacture:	<b>W</b>
Country of manufacture:	<b>U</b>		

### 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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