



# Gauges, Switches and Senders

Powerpart™



## Key to Engine Families

<b>A</b>	<b>Phaser / 1004 Series</b>	<b>N</b>	<b>4.318 Series</b>
<b>B</b>	<b>Prima / 500 Series</b>	<b>P</b>	<b>6.305 Series</b>
<b>C</b>	<b>3.152 / 900 Series</b>	<b>R</b>	<b>6.247 Series</b>
<b>E</b>	<b>4.108 Series</b>	<b>T</b>	<b>6.354 Series</b>
<b>G</b>	<b>4.154 / 200 Series</b>	<b>U</b>	<b>700 Series</b>
<b>H</b>	<b>4.165 Series</b>	<b>W</b>	<b>1300 Series</b>
<b>J</b>	<b>4.203 Series</b>	<b>X</b>	<b>8.540 Series</b>
<b>K</b>	<b>Perama / 100 Series</b>	<b>Y</b>	<b>Phaser / 1006 Series</b>
<b>L</b>	<b>4.236 Series</b>	<b>Z</b>	<b>8.640 Series</b>

2000, 3000 and 4000 series parts have separate tables

This catalogue gives you information on all the relevant switches and gauges that you may require for your Perkins engine. You will find the part number plus dimensions and descriptions, to assist you in identifying the part you need. The type of engine the part has been used on in the factory is also included, however these applications should only be treated as a guide. Parts may be appropriate for other uses.

**Check your specifications or ask your local distributor.**

## Oil Pressure Gauges

Part Number	Dimensions and Description	Engine Family
2755B001	24 Volt Range 0-80 PSI (0-500kPA) – Square	A,C,E,L,T,Y
2755B002	12 Volt Range 0-80 PSI (0-500kPA) – Square	A,C,E,L,T,Y
2755C001	12 Volt Range 0-5 bar (0-500kPA) – Round	L,Y
27550025	12 Volt Range 0-100 PSI/Bar – Round	C,L,T,X,Z



27550025

2755C001

2755B001

2755B002

## Water Temperature Gauges



2755A105

2755A106  
+ 27550020

2755A106

2755A102

2755A103

Part Number	Dimensions and Description	Engine Family
2755A106 + 27550020	Range 40-120°C (100°F-250°F) 12 volt Round	C,L,T,Y
2755A102	Range 40-120°C (100°F-250°F) 24 volt Square	T,X,Y
2755A103	Range 40-120°C (100°F-250°F) 12 volt Square	L,T
2755A105	Range 40-120°C (100°F-250°F) 24 volt Round	A,C,L,T,X,Y,Z
2755A106	Range 40-120°C (100°F-250°F) 12 volt Round	A,B,C,L,T,X,Y,Z

## Oil Pressure Switches

Part Number	Dimensions and Description	Engine Family
2848062	Opening Pressure 60-90 kPA	A,B,C,E,J,L,T,U,W,X,Y,Z
2848063	Opening Pressure 40-70 kPA	L,C,E,J,L,T,Y
2848A013	69kPA 1/8 PTF	A,C,E,J,L,T,Y
2848A042	24v 0,5 bar + 0,3 1/8 PTF	B
2848A061	0,4 - 0,6 bar 1/8 NPTF (Not Shown)	A



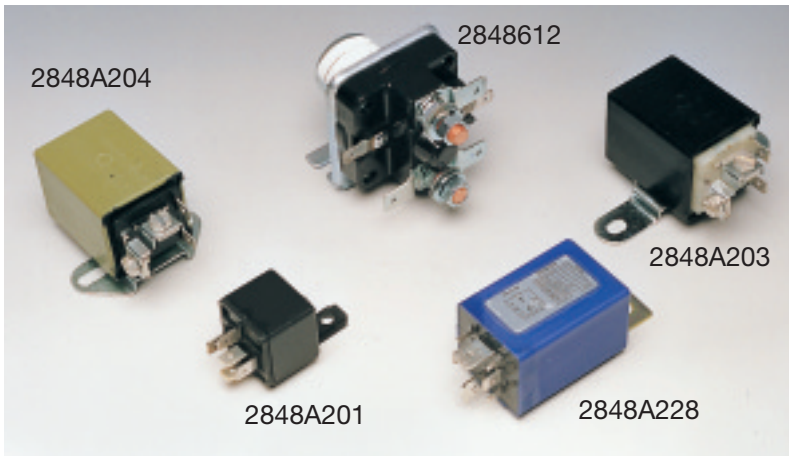
## Water Temperature Switches



Part Number	Dimensions and Description	Engine Family
2848A102	105°C 1/2 PTF	A,C,L,T,Y
2848A103	105°C 5/8 UNF	A,L,T,U,X
2848A104	140°C 5/8 UNF	L,T,X
2848A106	105°C M14 x 1,5	B
2848A107	105°C M14 x 1,5	B
2848A109	96°C 1/2PTF	Y
2848A111	102-108°C 1/2 NPTF	A,C

## Relay Switches

Part Number	Dimensions and Description	Engine Family
2848612	Starter relay, 12 volts insulated return	E,L,T,Y,Z
2848A201	12 volt	E,T,Y
2848A203	12 volt intermittent	B,C,J
2848A204	12 volt intermittent	A,B,C,E,H,J,L,T,X,Y
2848A228	Electronic heater control, switches>70 Amps	A,Y



## Stop Control Solenoids



Part Number	Dimensions and Description	Engine Family
2848231	12 Volt 25 mm stroke	E,H,T
2848238	24 Volt 25 mm stroke (Constant volume boot)	T
2848A256	12 Volt, M6x1	X
2848A268	24 Volt, M6x1	X
2848A270	12 Volt, M6x1	U

## Ammeters / Tachometer / Voltmeter

Part Number	Dimensions and Description	Engine Family
2757A504	Ammeter, 12 Volts + 60 to - amps-Round	T,Y
2757B501	Voltmeter, normal 24 Volts - Square	T,X
2757B502	Voltmeter, normal 12 Volts - Square	L,T
2758A502	Tachometer, 12-24 Volt range 0-3000 rmp ratio 1:1	T
2758A507	Tachometer, 12 and 24 Volt range 0-4000 rpm 55392 impulses / minute	A,C,L,T,Y



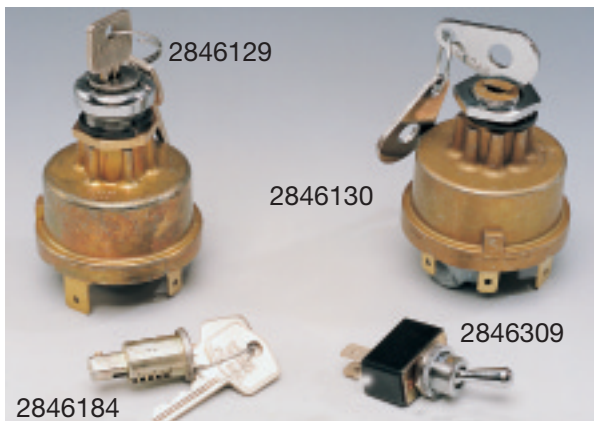
## Hourmeters



Part Number	Dimensions and Description	Engine Family
2751164	1500 rpm - Half engine speed - pin drive	C
2751284	1500 rpm - Half engine speed - flat bar drive	L
2751533	1800 rpm - Engine speed - flat bar drive	T
2751537	2200 rpm - Engine speed - flat bar drive	T
2758C002	12 Volt, Square (Shown in top picture)	T,Y

## Miscellaneous Switches

Part Number	Dimensions and Description	Engine Family
2846129	Rotary Switch, Auxiliary / alternator / heat / start switch	A,C,E,J,L,T,X,Z
2846130	Rotary Switch, Auxiliary / alternator / heat / start switch with lock	A,B,C,E,J,L,N,T,X,Y
2846184	Rotary Switch, Key operated lock for ignition	A,C,E,J,T,X
2846309	Toggle Switch, single pole on / off	E,L,T,X
2848A801	Fuel Oil Thermostat Switch (shown in bottom picture)	Y



## Oil Pressure Sender Units

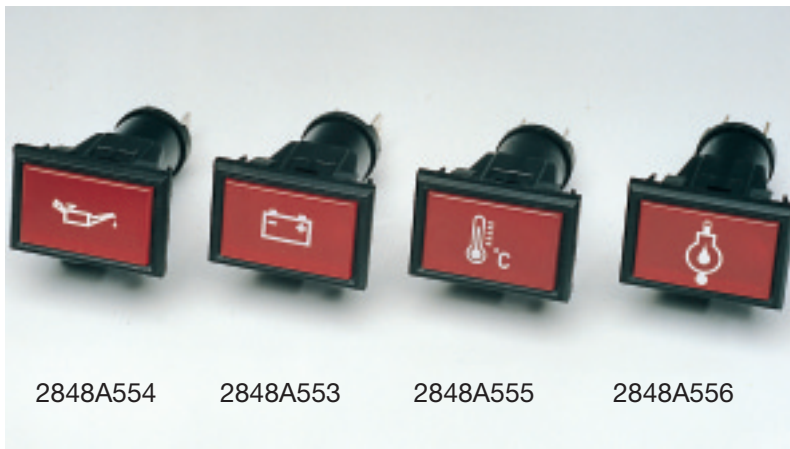


Part Number	Dimensions and Description	Engine Family
2846071	Range 0 – 80 lbf/in <sup>2</sup> (0-55-kPA) – 1/8NPTF	A,C,L,T,Y
2846A001	Range 0-10 bar, 6-24 Volt	B
27550024	Range 0-7 bar, 0-100 PSI, 2 wire insulated return	



## Panel Component Warning Lights

Part Number	Dimensions and Description
2848A553	Alternator Light
2848A554	Oil Pressure Light
2848A555	Water Temperature Light
2848A556	Oil Temperature Light



2848A554

2848A553

2848A555

2848A556

## Panel Component Complete Assemblies



4171A025

2755F003

Part Number	Dimensions and Description
4171A025	Instrument Panel Assembly Complete
2755F003	Instrument Panel Assembly Complete



## Panel Component (Parts of Assembly 2755F003 available individually)

Part Number	Dimensions and Description
2755F021	Part Chassis (Not Shown)
2755F031	Gauge – Water Temperature
2755F041	Audible Alarm – Round
2755F061	Lock / Key Assembly
2755F071	Button – Stop
2755F081	Button – Start
2755F091	Button – Glowplug
2848A558	Fuel Warning Light



Part Number	Dimensions and Description
2755F101	Light – Oil Pressure
2755F111	Light – Battery
2755F121	Light – Water Temperature
2755F131	Blanking Cover – Spare Light
2755F141	Switch
2755F142	Switch – Illuminated
2755F201	Locking Ring
2755F202	Nut – Knurled

## Water Temperature Sender Units

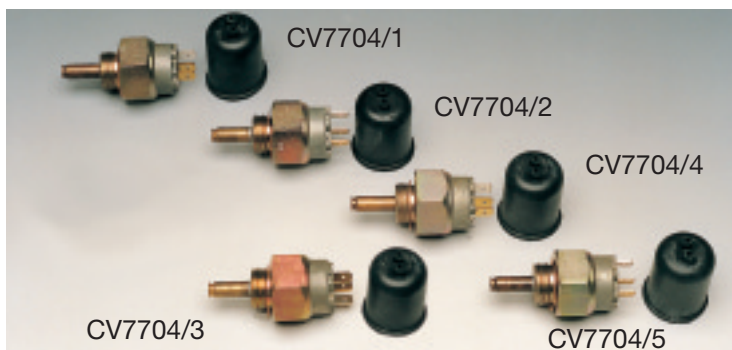
All units have blade terminals and are insulated return

Part Number	Dimensions and Description	Engine Family
2755878	120°C 5/8 – UNF	
2755882	1/2 – 14 NPTF thread	A,C,E,L,T,Y
2755884	5/8 – 18 UNF thread	L,Y
2755885	5/8 – 18 UNF thread	C,L,T,X,Z
2846072	0 Volts – 5/8	UNFU,Y
2755A005	M14 x 1,5 – Earth return	B,Y
2755A006	M16 x 1,5	B
2755A007	M14 – 1,15 – Insulated return	K
2848A121	3/8 x 18 PTF – Insulated return – Blue Top	A,C,Y
2848A122	3/8 x 18 PTF – Insulated return – Grey Top	A
2755A012	5/8 UNF, 120°C, 6-28V (Not blade terminal)	
2815784	Extra Terminal Blade	



## Temperature Switches

(2000 and 3000 Series Engines only)

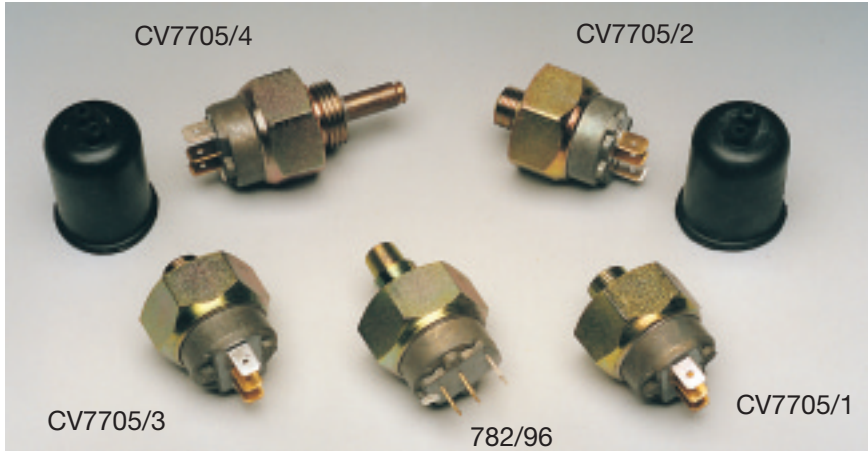


Part Number	Dimensions and Description
CV7704/1	96° 1/2 BSPF
CV7704/2	90° 1/2 BSPF
CV7704/3	110° 1/2 BSPF
CV7704/4	120° 1/2 BSPF
CV7704/5	106° 1/2 BSPF

## Pressure Switches

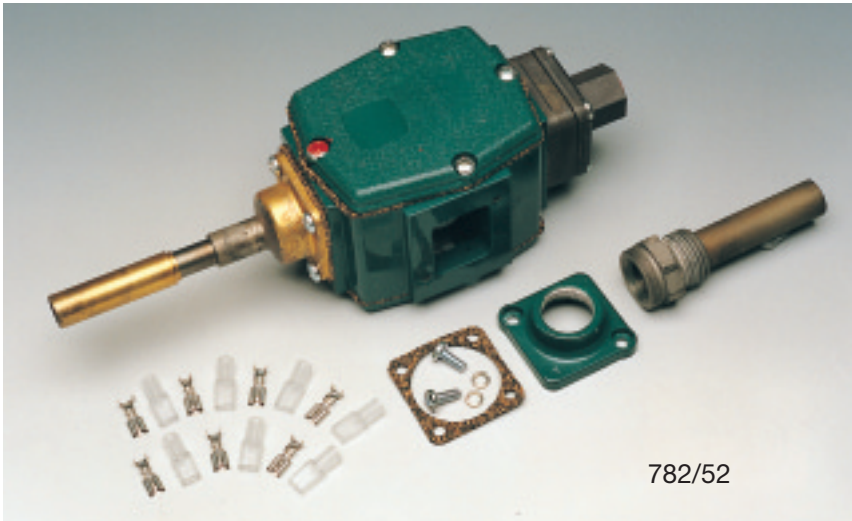
(2000 and 3000 Series Engines only)

Part Number	Dimensions and Description
CV 7705/1	12 PSI FALLING 1/4 BSPF
CV 7705/2	18 PSI FALLING 1/4 BSPF
CV 7705/3	25 PSI FALLING 1/4 BSPF
CV 7705/4	9 PSI FALLING 1/4 BSPF
782/96	22 PSI FALLING 1/8 BSPF



## Combined Pressure and Temperature Switches

(4000 Series Engines only)

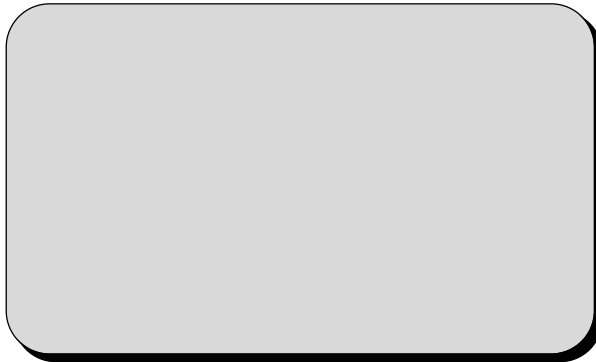


Part Number	Dimensions and Description
782/52	Switch ranges 96°C and 28 PSI
782/160	Switch ranges 101°C and 28 PSI



**By using a genuine Perkins Powerpart you have the confidence of quality backed up by reliability and exceptional value.**

**Perkins Powerpart – why fit anything else?**



**THE RIGHT PARTS**  
**FOR YOUR PERKINS ENGINE**