



DFLC, DFLE (KTA 50 Series) Generating Sets



Parts Catalogue

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Sheet.....

Introduction

Ordering Parts

Contact your nearest Cummins Distributor to order your replacement parts.

Use only genuine Cummins parts for your Genset; failure to do this may invalidate any warranty claims.

Use the ordering procedure and the Fax Order Form within this book to ensure you order and receive the correct parts. All necessary contact information is given on the Fax Order Form.

Part Identification Numbers

Part numbers that are configured by the following sequence identify the parts in this book.

e.g. 1 011262 Battery Tray Lead (+ve) 1

Item Number	Part Number	Description	Qty Number Required	Remarks
1	011262	Battery Lead (+ve)	1	

Parts and Part Numbers shown in this Parts Catalogue may change, at the supplier's discretion, when specific genset serial numbers are known.

Ordering Procedure

The satisfactory ordering and processing of orders is greatly dependent on the proper supply of available information. To ensure the order is processed correctly and efficiently the following instructions are offered as the purchaser's guide:

1. Write your order clearly in typeface, if possible, rather than hand written.
2. Provide the correct generator Model, Serial Number and Engine Number.
3. Be sure to list the correct part number required, part numbers are usually located on the part itself.
4. Complete assemblies are identified with a Feature Code. To order a complete assembly, use the feature code column on the order form, not the part number column.
5. Where assemblies contain the same items, the Feature Codes and differences between them are identified in the Header.

e.g. Radiator – 11SC189/190 (40°C/50°C)
[Feature Code – E082 (40°C)/E074 (50°C)]

6. Arrange your purchase order in part number numerical sequence.
7. Please specify the quote reference number if applicable, this will help to decrease the time taken to process your order.
8. Please specify your company name and shipping details clearly.
9. Always quote your reference number, contact name, and telephone and fax numbers. Include your E-mail address if you have one.

Warranty

All genuine Cummins parts are supplied with a 180-day Warranty. Contact your nearest Authorised Cummins Dealer or the Customer Services Department at CPG if defects occur in the warranty period.

Revision Record Sheet

A Revision Record sheet shows the revision status of this publication.

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**Power
Generation**

Page 1 of

FAX ORDER

From:
Delivery Address:

Phone:
Fax:

Order No.	Order Date	Date Required	CPGK Quote No.
Model:		Serial No:	Engine No:

Item	Qty	Feature Code	Part Number	Description	Unit Price	Amount
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

Additional Information:

Main Component Options



Control Panel Options

Item No.	Description	Qty	Feature Code
1	Set Control – None Level 1	1	KN99
1	Set Control – Detector 12 with AC Meters	1	H559
1	PCL 001 Local Start	1	H576
1	PCL 002 Local/Remote Start	1	H577
1	ISO PowerCommand™ Basic	1	H578
1	ISO PowerCommand™ Paralleling	1	H579
1	ISO PowerCommand™ Paralleling, Upgradeable	1	H580

Note: Option B184 and A387 are necessary with all PowerCommand™ control panels.

Controller Mounting Options

Item No.	Description	Feature Code
-	End Mounted	KCM01
-	Left Side Mounted	KCM02
-	Right Side Mounted	KCM03

Exciter/Voltage Regulator Options

Item No.	Description	Feature Code
-	PMG 3 Phase Sensing	B184
-	Torque Match (N/A with Options H559, H578, H579, H580)	B240
-	Transformer Controlled (Available with Option KN98 only)	RFQ

Level 1 Control Options

Item No.	Description	Feature Code
-	Compensator, Droop	K611
-	Controller, VAR/PF	K940
-	Alternator RTDs + Controller	B224
-	Power Factor Controller, 650A-1300A @ 400V	01SC059
-	Power Factor Controller, 1000A-5000A @ 400V	01SC060
-	Engine Wired to Set-mounted Terminal Box complete with OPG & ETG	KP01

Detector 12 Control Options

Item No.	Description	Feature Code
-	Alarm, Audible Engine Shutdown	KA08
-	Warning, Low Battery Voltage	H543
-	Relays, One Auxiliary 3PDT, 12 Remote Annunciator	KJ03
-	Compensator, Droop	K611
-	Time Delay, Start/Stop	K634
-	Power Factor Meter	K264
-	Emergency Stop Push-switch	K796

PCL Control Options

Item No.	Description	Feature Code
-	Alarm, Audible Common Alarm	KN54
-	Alternator Volts Adjust	K270
-	Relay, Common Alarm 2PDT	KN55
-	Relay, Set Running (Ready to Load/Load Transfer) 2PDT	KN56
-	Power Factor Meter	K264
-	Warning, Low Battery Voltage	H543
-	Warning, Low Fuel Level (Requires Option C148)	H595
-	Warning, High Fuel Level (Requires Option C148)	H596
-	Shutdown, Earth Fault, Single Set	H589
-	Shutdown, Low Fuel Level (Requires Option C157)	H573

AVR Assembly Options

Item No.	Part Number	Description	Qty	Feature Code
-	E00024602	SX460 AVR (No PMG)	1	Detector 12
-	E00024030	SX440 AVR (No PMG)	1	PCL
-	E00023212	MX321 AVR (PMG Excited)	1	
-	098303	AVR Harness, SX460	1	Detector 12
-	098259	AVR Harness, SX440	1	PCL
-	098238	AVR Harness, MX 321	1	PCL
-	098302	AVR Harness, MX 321	1	Detector 12
-	098262	AVR Harness, MX 321, HC7 380-440V only	1	

Alternator Options

PCL/Detector 12/PCC

Item No.	Part Number	Description	Qty	Remarks
Right Hand Load Cable Entry				
2	BRGSE701	Alternator, HC7E	1	380V – 480V Only
2	BRGSE702	Alternator, HC7F	1	
2	BRGSE703	Alternator, HC7G	1	
2	BRGSE707	Alternator, HC7H	1	
2	BRGSE704	Alternator, HC7E, High Alt Temp	1	
2	BRGSE705	Alternator, HC7F, High Alt Temp	1	
2	BRGSE706	Alternator, HC7G, High Alt Temp	1	
2	BRGSE708	Alternator, HC7H, High Alt Temp	1	
Left Hand Load Cable Entry				
2	BRGSE709	Alternator, HC7E	1	380V - 480V Only
2	BRGSE710	Alternator, HC7F	1	
2	BRGSE711	Alternator, HC7G	1	
2	BRGSE712	Alternator, HC7H	1	
2	BRGSE713	Alternator, HC7E, High Alt Temp	1	
2	BRGSE714	Alternator, HC7F, High Alt Temp	1	
2	BRGSE715	Alternator, HC7G, High Alt Temp	1	
2	BRGSE716	Alternator, HC7H, High Alt Temp	1	

Level 1

Item No.	Part Number	Description	Qty	Remarks
2	BRGST701	Alternator, HC7E	1	380V – 480V Only
2	BRGST702	Alternator, HC7F	1	
2	BRGST703	Alternator, HC7G	1	
2	BRGST707	Alternator, HC7H	1	
2	BRGST704	Alternator, HC7E, High Alt Temp	1	
2	BRGST705	Alternator, HC7F, High Alt Temp	1	
2	BRGST706	Alternator, HC7G, High Alt Temp	1	
2	BRGST708	Alternator, HC7H, High Alt Temp	1	

Current Transformer Options

PCL

Item No.	Part Number	Description	Qty	Feature Code
-	87SC114	Current Transformers (0-75A, 0-150A)	1	
-	87SC115	Current Transformers (0-100A, 0-200A)	1	
-	87SC116	Current Transformers (0-150A, 0-300A)	1	
-	87SC117	Current Transformers (0-200A, 0-400A)	1	
-	87SC118	Current Transformers (0-250A, 0-500A)	1	

PCL/Detector 12

Item No.	Part Number	Description	Qty	Feature Code
-	87SC119	Current Transformers (0-375A, 0-750A)	1	
-	87SC120	Current Transformers (0-400A, 0-800A)	1	
-	87SC121	Current Transformers (0-500A, 0-1000A)	1	
-	87SC122	Current Transformers (0-600A, 0-1200A)	1	
-	87SC123	Current Transformers (0-750A, 0-1500A)	1	
-	87SC124	Current Transformers (0-1000A, 0-2000A)	1	
-	87SC125	Current Transformers (0-1500A, 0-3000A)	1	
-	87SC126	Current Transformers (0-2000A, 0-4000A)	1	
-	87SC127	Current Transformers (0-3000A, 0-6000A)	1	

PCC

Item No.	Part Number	Description	Qty	Feature Code
-	87SC094	Current Transformers, DFAA, DQAA	1	
-	87SC095	Current Transformers, DFAB	1	
-	87SC096	Current Transformers, DFAC, DQAB	1	
-	87SC097	Current Transformers, DFBF	1	
-	87SC098	Current Transformers, DFCE, DQBA	1	
-	87SC099	Current Transformers, DFCC, DQBB	1	
-	87SC100	Current Transformers, DFCE, DFEB	1	
-	87SC101	Current Transformers, DFEC	1	
-	87SC086	Current Transformers, DFED, DFGB	1	
-	87SC087	Current Transformers, DFGB	1	
-	87SC088	Current Transformers, DFJC	1	
-	87SC089	Current Transformers, DFJD	1	
-	87SC090	Current Transformers, DFLB	1	
-	87SC091	Current Transformers, DFLE	1	
-	87SC092	Current Transformers, DFLE	1	
-	87SC093	Current Transformers, DFMB, DFLE, DFLF	1	
-	87SC139	Current Transformers, DFGB	1	

AC Control Harness Options

Item No.	Part Number	Description	Qty	Feature Code
-	098320	AC Control Harness, HC7, 190-220V	1	
-	098243	AC Control Harness, HC7, 380-440V only	1	

Engine Governor Options

Item No.	Part Number	Description	Qty	Feature Code
-	08SC003	Electronic Governor	1	Level 1, PCL
-	08SC016	Electronic Governor	1	Detector 12

Engine Options

KTA

Item No.	Part Number	Description	Qty	Feature Code
3	07SE931	Engine G3, 50 Hz	1	
3	07SE932	Engine G3, 60 Hz	1	
3	07SE933	Engine G6, 50 Hz	1	
3	07SE921	Engine G7, 50 Hz	1	
3	07SE922	Engine G8, 50 Hz	1	
3	07SE924	Engine G9, 60 Hz, 40°C	1	
3	07SE923	Engine G9, 60 Hz, 50°C	1	
3	07SE923	Engine G9, 60 Hz, Remote Cooling	1	
3	07SE924	Engine G9, 60 Hz, Heat Exchanger	1	
3	07SE925	Engine Gs8, 50 Hz	1	

KTTA

Item No.	Part Number	Description	Qty	Feature Code
3	07SE917	Engine G2, 50 Hz	1	
3	07SE918	Engine G2, 60 Hz	1	

Fuel Supply Options

Loose Items

Item No.	Part Number	Description	Qty	Feature Code
-	43SC001	Single-skin, 450 litre	1	KFT01
-	43SC002	Single-skin, 900 litre	1	KFT02
-	43SC003	Single-skin, 1350 litre	1	KFT03
-	42SC021	Switch, High/Low Warning + Low Shutdown + Electric Fuel Transfer	1	KFT04
-	42SC014	Electric Fuel Transfer Pump, 380-440V, 50 Hz, 3 Phase, 3 Wire (Option KFT04 necessary)	1	KFT05
-	42SC012	Electric Fuel Transfer Pump, 440V, 60 Hz, 3 Phase, 3 Wire (Option KFT04 necessary))	1	KFT06
-	42SC001	Pump, Fuel Transfer, Hand	1	KFT07

Fuel System/Base Tank

Item No.	Part Number	Description	Qty	Feature Code
-	25SC076	Base Fuel Tank, Open Set, Sub-base, Single-skin (KTA G3/G6)	1	C179
-	25SC074	Base Fuel Tank, Open Set, Sub-base, Single-skin (KTA G7/G8/Gs8/G9/KTTA G2)	1	C179
-	17SC019	Fuel Tank Fittings (KTA)	1	
-	17SC020	Fuel Tank Fittings (KTTA)	1	
-	15SC029	Fuel/Water Separator (KTA)		C127
-	15SC030	Fuel/Water Separator (KTTA)		C127
-	16SC021	Switch, High/Low Fuel Level Warning	1	C148
-	16SC033	Switch, Low Fuel Level Shutdown	1	C157
-	16SC011	Switch. Electric Fuel Transfer	1	KFT08
-	42SC014	Electric Pump, Fuel Transfer, 380-440V, 50 Hz, 3 Phase, 3 Wire (Option KFT08 necessary)	1	KFT09
-	42SC012	Electric Pump, Fuel Transfer, 440V, 60 Hz, 3 Phase, 3 Wire (Option KFT08 necessary)	1	KFT10
-	16SC001	Hand Pump, Fuel Transfer, Open set	1	C161

Exhaust System Options

Item No.	Part Number	Description	Qty	Feature Code
-	38SC109	Industrial Silencer – In-line Entry/Exit	1	KEX01
-	38SC110	Industrial Silencer – Side Entry	1	KEX02
-	38SC111	Residential Silencer – In-line Entry/Exit	1	KEX03
-	38SC112	Residential Silencer – Side Entry	1	KEX04
-	38SC131	Exhaust Flex (KTA)	1	KEX05
-	38SC132	Exhaust Flex (KTTA)	1	KEX05
-	38SC121	Exhaust Bellows (KTA)	1	KEX06
-	38SC122	Exhaust Bellows (KTTA)	1	KEX06
-	38SC140	Exhaust System Fixing Kit (KTTA)	1	KEX07
-	38SC141	Exhaust System Fixing Kit (KTA)	1	KEX07

Enclosure Options

Item No.	Part Number	Description	Qty	Feature Code
-	-	Silenced	1	RFQ
-	-	Super Silenced	1	RFQ

Note:

1. Enclosures are not available with Level 1 build gensets (Option KN98).
2. Options E074 and KCM02 are necessary with all Enclosures.

Engine Cooling Options

Item No.	Part Number	Description	Qty	Feature Code
4	11SC189	Radiator, 40° C, 50 Hz (KTA G3/G6)	1	E082
4	11SC193	Radiator, 40° C, 60 Hz (KTA G3)	1	
4	11SC182	Radiator, 40° C, 50 Hz (KTA G7)	1	
4	11SC183	Radiator, 40° C, 50 Hz (KTA G8/Gs8)	1	
4	11SC220	Radiator, 40° C, 60 Hz (KTA G9)	1	
4	11SC161	Radiator, 40° C, 50/60 Hz (KTTA G2)	1	
4	11SC190	Radiator, 50° C, 50 Hz (KTA G3)	1	E074
4	11SC194	Radiator, 50° C, 60 Hz (KTA G3)	1	
4	11SC185	Radiator, 50° C, 50 Hz (KTA G8/Gs8)	1	
4	11SC186	Radiator, 50° C, 60 Hz (KTA G9)	1	
4	11SC165	Radiator, 50° C, 50/60 Hz (KTTA G2)	1	
4	11SC226	Radiator, 55° C, 50 Hz (KTA G3)	1	TBD
4	11SC227	Radiator, 55° C, 60 Hz (KTA G3)	1	TBD
-	11SC203	Remote Cooling (No Radiator)	1	E043
-	11SC207	Plate Heat Exchanger (KTA G3)	1	E079
-	11SC215	Plate Heat Exchanger (KTA G8/Gs8/G9) (Not Available with Option KAC03)	1	E079

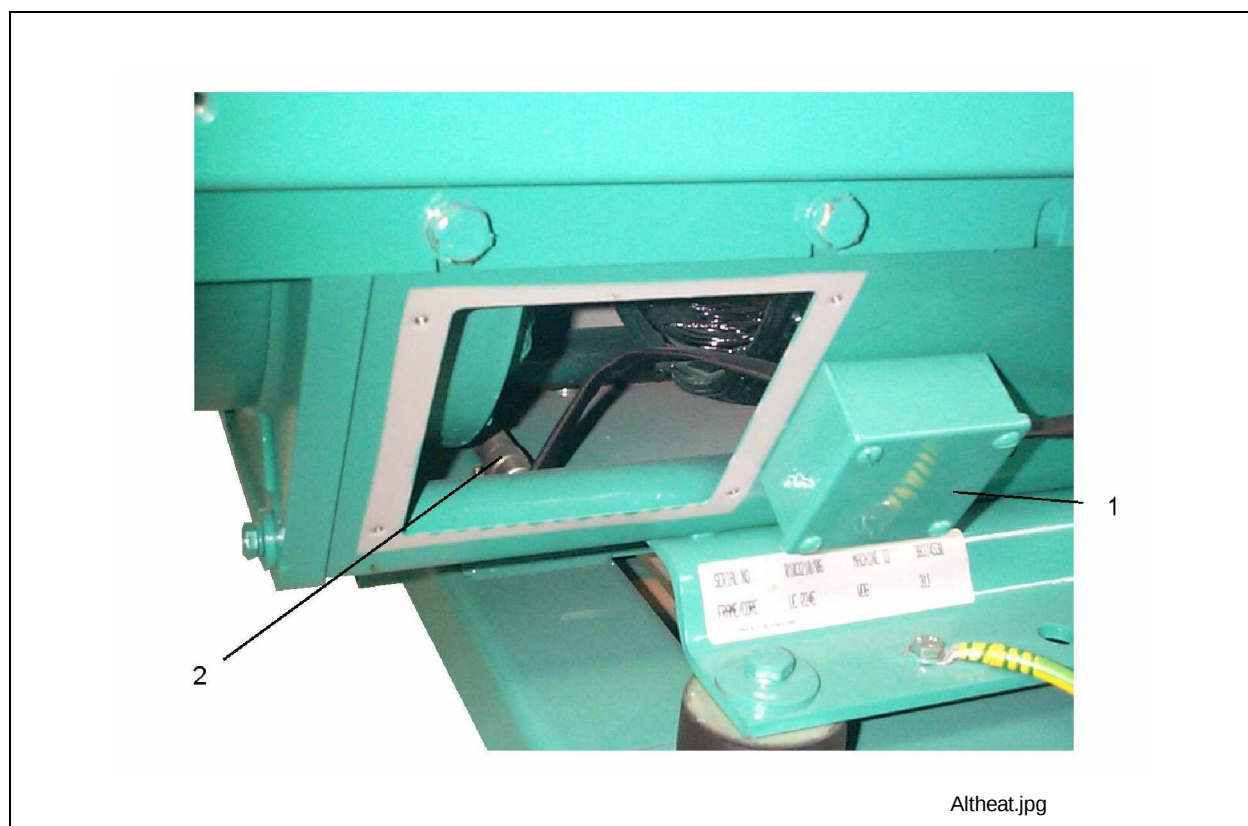
Note: 50° C Radiators are not available with Option KAC03

Genset Consumables

Item No.	Part Number	Description	Qty	Feature Code
-	069004	Cummins Engine Toolkit	1	KME01
-	RSK6001	Rectifier Service Kit	1	
-	3171732	Alternator Belt	1	
-	F.B	Fan Belt (Unique to Serial No.)	1	
-	FF 1006	Fuel Filter	2	
-	LF 3325	Oil Filter	2	
-	LF 777	Oil Filter Bypass	1	
-	WF 2076	Water Filter	1	

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Alternator Heater Kit – 01SC013 [Feature Code – A293 (240V)]



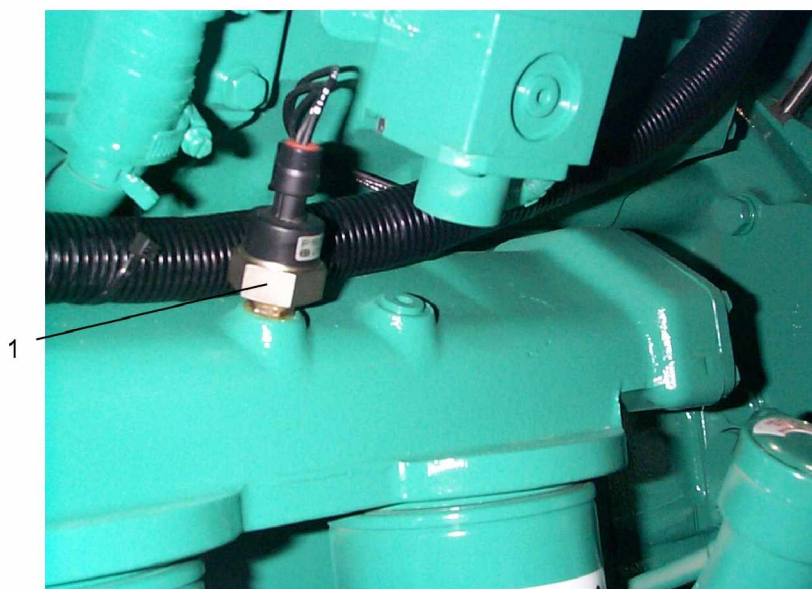
Item No.	Part Number	Description	Qty	Remarks
1	405509	Fuse Terminal Block	1	
2	001098	Alternator Heater Kit, 240V	1	
-	405501	2 Amp Cartridge Fuse (In Heater Control Box)	1	

Note: Engine Coolant Heater 09SC009 (240V) is necessary with this option.

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Engine Accessories

Oil Pressure Sensors (PCL/Detector 12 & Level 1) – 02SC018&029/110 & 02SC059/081

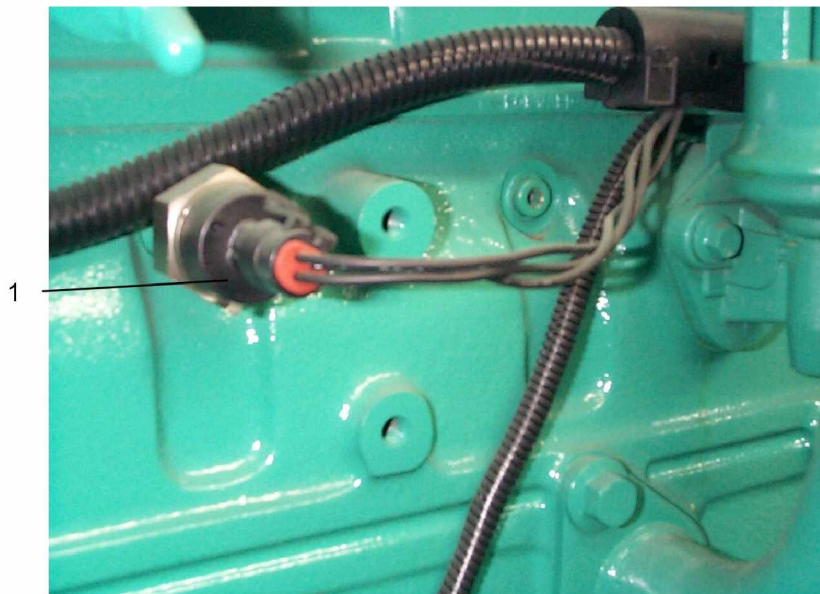


Oilpress.jpg

Item No.	Part Number	Description	Qty	Remarks
1	01930448	Sender, Oil Pressure	1	02SC018/081/110
-	0309064103	Switch, Low Oil Pressure	1	02SC018/029/059/110
-	0309064107	Switch, Pre-Low Oil Pressure	1	02SC029/110
Ancillary/Attaching Parts (PCL/Detector12/Level 1)				
-	03322634	Clamp J	6	02SC018/110
-	05050019	Reducer, $\frac{3}{8}$ " - $\frac{1}{2}$ "	2	02SC018/059
-	05050019	Reducer, $\frac{3}{8}$ " - $\frac{1}{2}$ "	3	02SC110
-	05050019	Reducer, $\frac{3}{8}$ " - $\frac{1}{2}$ "	1	02SC029
-	05050021	Bush, Reducer	1	
-	05050007	Bush, Reducer, $\frac{1}{4}$ " - $\frac{1}{8}$ "	1	02SC018/029/081
-	05050007	Bush, Reducer, $\frac{1}{4}$ " - $\frac{1}{8}$ "	2	02SC110
-	08560010	Washer, $\frac{3}{8}$ "	1	02SC018/110
-	505021	Tube Bundy, $\frac{1}{4}$ "	2	02SC081

Engine Accessories (Continued)

Oil Pressure Sensors (PCC) – 02SC006

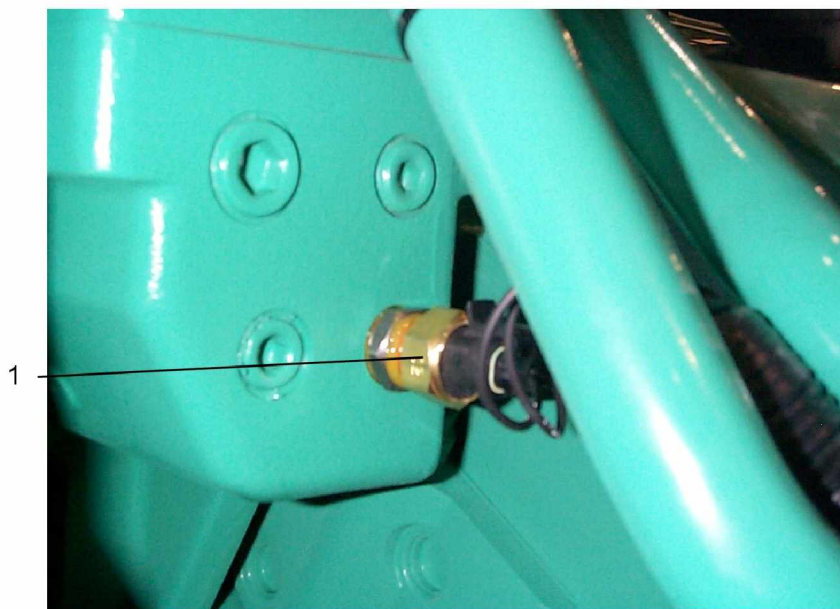


PCCOilPress.jpg

Item No.	Part Number	Description	Qty	Remarks
1	01930444	Sender, Oil Pressure	1	
Ancillary/Attaching Parts (PCC)				
-	01510411	Mag Pick-up DYNT.10200	1	
-	03322634	Clamp J	6	
-	05050019	Reducer, $\frac{3}{8}$ " x $\frac{1}{2}$ "	3	
-	05050007	Bush, Reducer, $\frac{1}{4}$ " x $\frac{1}{8}$ "	1	
-	08500050	Washer - LK, $\frac{3}{8}$ "	1	
-	08000052	Screw, HHC, $\frac{3}{8}$ " – 16 x 1.5	1	
-	001146	Bracket, Terminal Block	1	

Engine Accessories (Continued)

Water Temperature Sensors (PCC/PCL/Level 1/Detector 12) – 02SC006/018/059/081/110

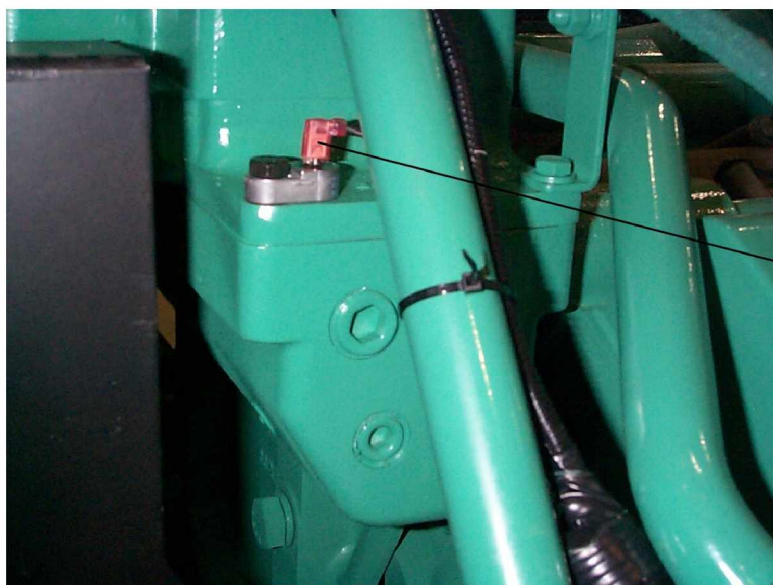


Watemp.jpg

Item No.	Part Number	Description	Qty	Remarks
1	0193044701	Sender, Water Temperature	1	02SC018/081/110
-	01930432	Sender, Water Temperature	2	02SC006, Not Shown
-	03090576	Thermostat, High Engine Temperature	2	02SC018/059/110, Not Shown
-	0309065102	Thermostat, Pre-High Engine Temperature	1	02SC029/110, Not Shown

Engine Accessories (Continued)

Low Engine Temperature Sensor (PCC/Detector 12) – 02SC006/110

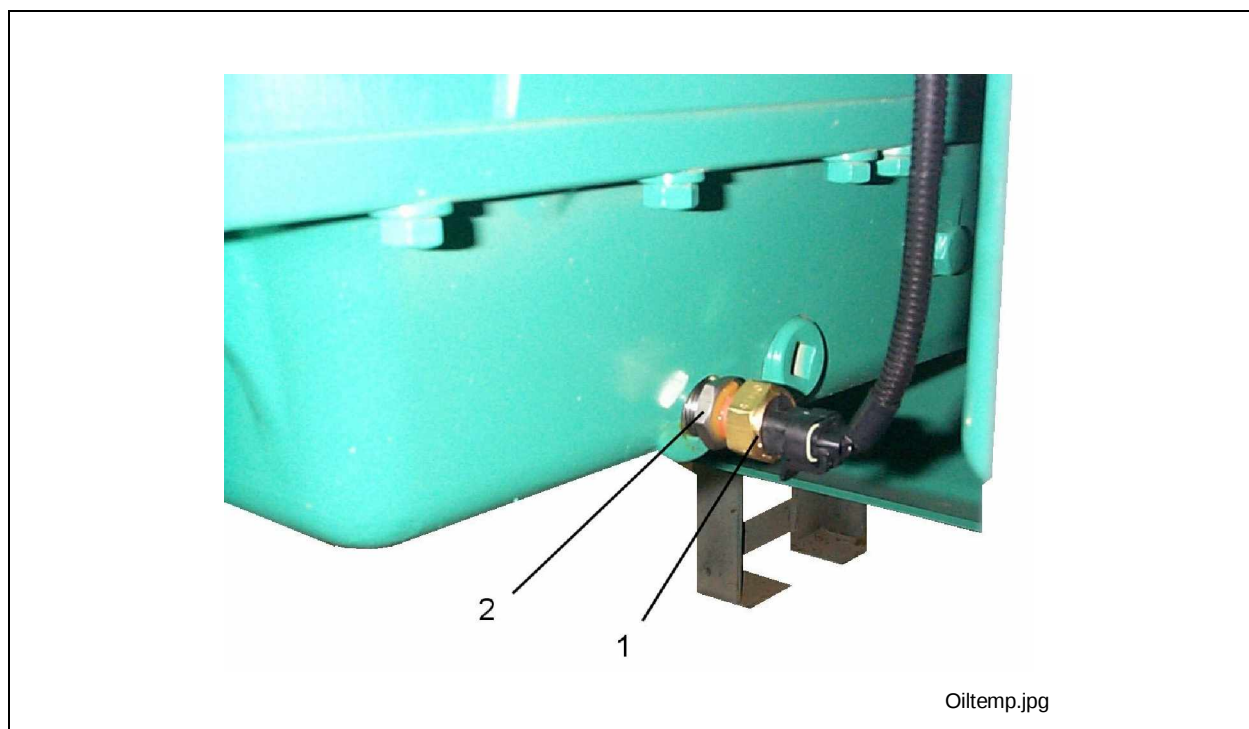


LowEngTemp.jpg

Item No.	Part Number	Description	Qty	Remarks
1	03090269	Switch, Low Engine Temperature (LET)	1	

Engine Accessories (Continued)

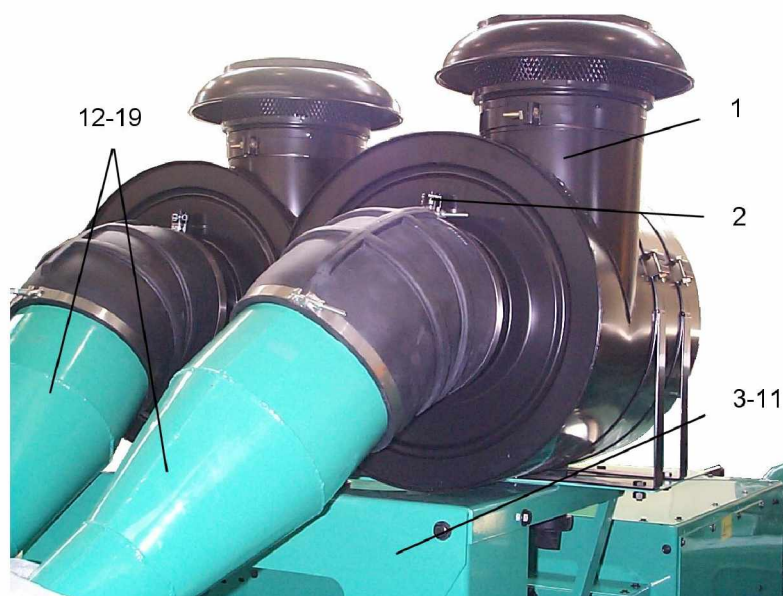
Oil Temperature Sensor (PCC/PCL/Detector 12) – 02SC006/031/034



Item No.	Part Number	Description	Qty	Remarks
1	01930388	Sender, Oil Temperature	1	02SC031
1	019456	Sender/Switch, Oil Temperature	1	02SC034
1	01930432	Sender, Oil Temperature	1	02SC006 PCC only
2	05050151	Reducer, $\frac{1}{2}$ " x $\frac{1}{8}$ " NPT	1	02SC031/034

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Air Cleaners – 03SC046 & 057/03SC044, 045 & 059 (Normal Duty/Heavy Duty) [Feature Code – D041 (Normal Duty)/D036 (Heavy Duty)]



Afilter.jpg

Item No.	Part Number	Description	Qty	Remarks
1	009569	Air Cleaner Kit (Normal Duty) – 03SC057	1	KTA G3/6/7/8/s8/9
-	• 009587	• Air Cleaner	2	
1	009539	Air Cleaner Kit (Normal Duty) – 03SC046	1	KT TA G2
-	• P77-7868	• Main Element	2	
-	• P77-7869	• Safety Element	2	
-	• AF25526	• Main Element (Fleetguard Alternative)	2	
-	• AF25468	• Safety Element (Fleetguard Alternative)	2	
-	• P01-6845	• Band	2	
-	• H00-0607	• Rain Cap	2	
1	009499	Air Cleaner Kit (Heavy Duty) – 03SC044	2	KTA G3/6/7/8/s8
-	• P18-2040	• Main Element	2	
-	• P11-7781	• Safety Element	2	
-	• AF899M	• Main Element (Fleetguard Alternative)	2	
-	• AF880	• Safety Element (Fleetguard Alternative)	2	
-	• AAH77-0068	• Band	4	
-	• GAH00-1053	• Rain Cap	2	

Air Cleaners (Continued)

Item No.	Part Number	Description	Qty	Remarks
1	009540	Air Cleaner Kit (Heavy Duty) – 03SC045	1	KT TA G2
-	• P18-2042	• Main Element	2	
-	• P12-8408	• Safety Element	2	
-	• AF1605M	• Main Element (Fleetguard Alternative)	2	
-	• AF1604	• Safety Element (Fleetguard Alternative)	2	
-	• AAH77-0037	• Band	4	
-	• GAH00-1053	• Rain Cap	2	
1	009582	Air Cleaner Kit (Heavy Duty) – 03SC059	1	KT A G9
-	• P18-2040	• Main Element	2	
-	• P11-7781	• Safety Element	2	
-	• AF899M	• Main Element (Fleetguard Alternative)	2	
-	• AF880	• Safety Element (Fleetguard Alternative)	2	
-	• AAH77-0068	• Band	4	
-	• GAH00-1053	• Rain Cap	2	
2	RBX00-2252	Air Restriction Indicator	2	
3	009567	Mounting Plate	1	03SC057
3	009546	Air Cleaner Support Frame	1	03SC045/046/059
3	009526	Mounting Bracket	4	03SC044
3	009527	Obsolete Angle – Air Cleaner Mounting	2	03SC044
4	009568	Plate Air Cleaner Support	1	03SC057
4	009574	Air Cleaner Pipe Support	1	03SC046
4	009564	Air Cleaner Pipe Support	1	03SC045
4	009547	Air Cleaner Support	1	03SC046
4	009525	Support Plate	1	03SC044
5	009565	Side Support RH	1	03SC057
5	009495	Side Support RH	1	03SC044
6	009566	Side Support LH	1	03SC057
6	009494	Side Support LH	1	03SC044
7	702149	M10 x 20mm Hex Head, Steel Set Screw	20	03SC045/046/059
8	715011	M10 Nut, Steel Normal Series	16	03SC045/059
9	716011	M10 Plain Washer Thick Steel Form A	36	03SC045/046/059
10	716011	M10 Plain Washer Thick Steel Form A	20	03SC0046
11	716371	M10 Steel Spring Washer, Single Coil	20	03SC045/046/059

Air Cleaners (Continued)

Item No.	Part Number	Description	Qty	Remarks
12	009570	Induction Tube 6" x 220mm	1	03SC057
13	009571	Induction Tube 7"x 340mm	1	03SC057
14	009572	Induction Tube 6"x 130mm	1	03SC057
12	009583	Induction Tube 6"x 515mm	2	03SC059
13	009584	Induction Tube Branch 625mm	1	03SC059
14	009585	Induction Tube Branch 300mm	1	03SC059
12	009542	Induction Tube 8"x 300mm	2	03SC045/046
13	009560	Induction Tube 8"x 150mm	1	03SC045
14	009561	Induction Tube 8"x 445mm	1	03SC045
15	009562	Induction Tube Branch 1490mm	1	03SC045
16	009563	Induction Tube Branch 350mm	1	03SC045
12	009541	Induction Tube 08"x 120mm	1	03SC046
13	009543	Induction Tube 08"x 400mm	1	03SC046
14	009544	Induction Tube Branch 400mm	1	03SC046
15	009545	Induction Tube Branch 1580mm	1	03SC046
16	009515	Heat Shield – Hose Insulation	1	03SC057
17	009515	Heat Shield – Hose Insulation	2	03SC044/059
18	009573	Heat Shield – Hose Insulation	1	03SC057
19	009528	Tube Assembly-Air Inlet	2	03SC044

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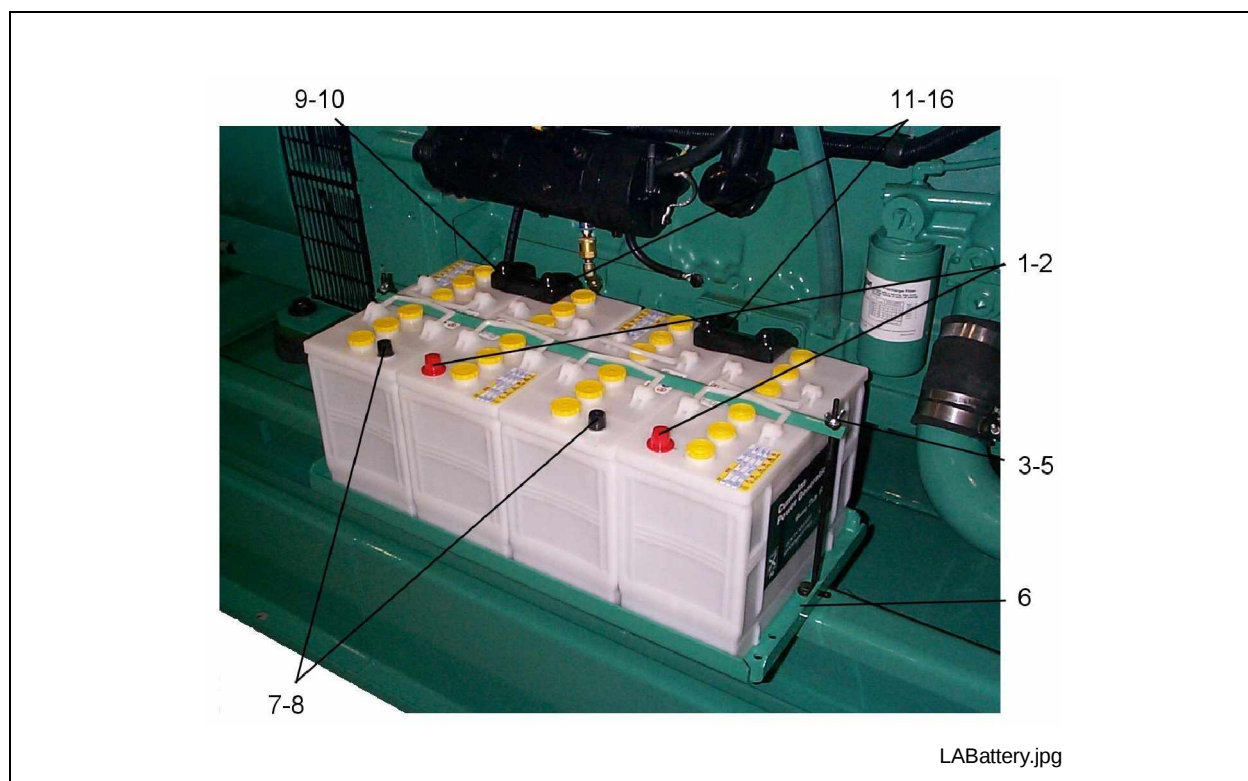
Battery 24V – 05SC023/044 (Export/UK) [Feature Code – KPB02 (Export)/KPB05 (UK)]



LABattery.jpg

Item No.	Part Number	Description	Qty	Remarks
1	052045	Lead Acid Battery - Dry (Export)	4	Requires KPB01
1	052198	Lead Acid Battery – Charged (UK only)	4	Requires KPB01

Battery Tray and Leads/Battery Leads – 05SC019/059 [Feature Code – KPB01]



Battery Tray & Leads – 05SC019

Item No.	Part Number	Description	Qty	Remarks
1	011262	Battery Lead (+VE)	1	Not Shown
2	011277	Battery Lead (+VE)	1	Not Shown
3	035090	Battery Clamp	1	
4	035095	Clamp Bolt	2	
5	715250	M8 Steel Wing Nuts	2	
6	035105	Battery Tray	1	
7	011261	Battery Lead (-VE)	1	Not Shown
8	011278	Battery Lead (-VE)	1	Not Shown
9	011250	Battery Link	2	
10	427561	Battery Boot, Copper Link	2	
11	427559	Battery Boot, Double Outlet	6	
12	427560	Battery Boot, Single Outlet	2	
13	418520	Battery Terminal, On Line	4	
14	418521	Battery Terminal, On Line	4	
15	011281	STR/STR - STR/Earth Lead (-VE)	2	
16	011282	STR/SOL – STR/SOL Lead OIS	1	

Battery Tray & Leads/Battery Leads (Continued)
Battery Leads – 05SC059

Item No.	Part Number	Description	Qty	Remarks
1	011262	Battery Lead (+VE)	1	Not Shown
2	011363	Battery Lead (+VE), Long	1	Not Shown
7	011261	Battery Lead (-VE)	1	Not Shown
8	011364	Battery Lead (-VE), Long	1	Not Shown
9	011250	Battery Link	2	
10	427561	Battery Boot, Copper Link	2	
11	427559	Battery Boot, Double Outlet	6	
12	427560	Battery Boot, Single Outlet	2	
13	418520	Battery Terminal, On Line	4	
14	418521	Battery Terminal, On Line	4	
15	011281	STR/STR - STR/Earth Lead (-VE)	2	
16	011282	STR/SOL – STR/SOL Lead OIS	1	

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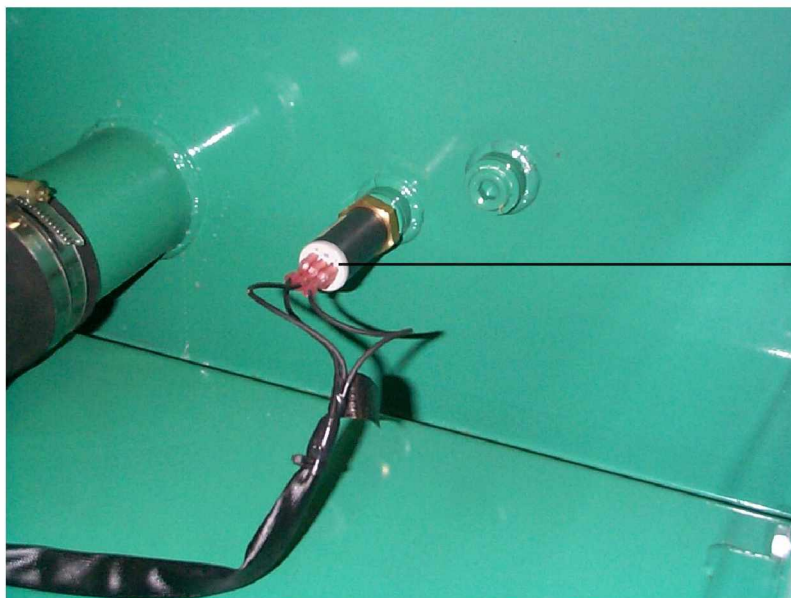
Ni-Cad Battery Leads – 05SC039



NiCad.jpg

Item No.	Part Number	Description	Qty	Remarks
1	011238	Copper Connector	4	
2	011270	Battery Lead, +ve	1	
3	011271	Battery Lead, -ve	1	
-	011281	STR/STR - STR/Earth Lead (-VE)	2	
-	011282	STR/SOL – STR/SOL Lead OIS	1	
-	427559	Battery Boot, Double Outlet	4	
-	558202	Cable, 25 mm ²	2	

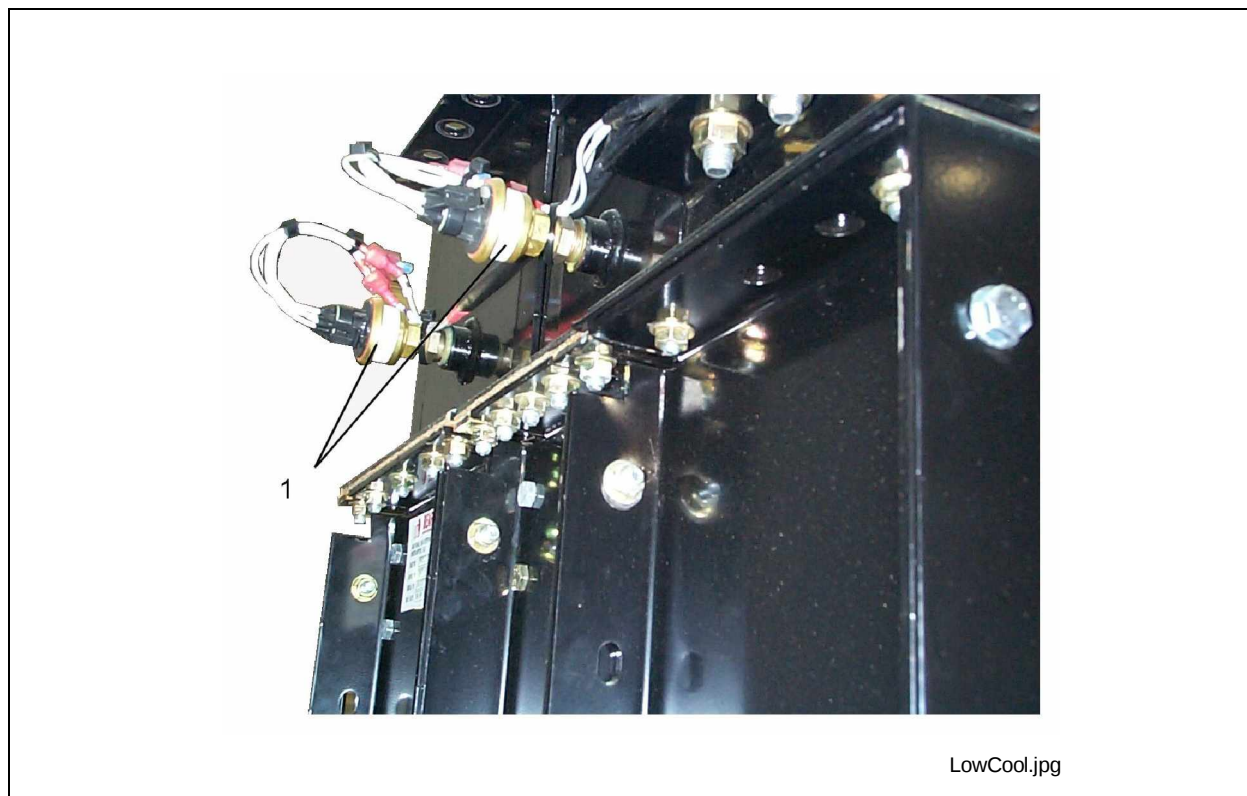
Switch, Low Coolant Level (KTA G3/G6/KTTA G2) – 06SC024 [Feature Code – Shutdown H389/Warning H527]



LowCool.jpg

Item No.	Part Number	Description	Qty	Remarks
1	019464	Switch, Low Coolant S35/01	1	

Switch, Low Coolant Level (KTA G7/G8/G9) – 06SC025 [Feature Code – Shutdown H389/Warning H527]



Item No.	Part Number	Description	Qty	Remarks
1	019464	Switch, Low Coolant S35/01	2	
-	022029	Cable Tie	6	
-	098260	Loom Extension – Low Coolant Level	1	

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Emergency Stop [Feature Code – K796]

PCL 001/002



PCLpanel.jpg

Item No.	Part Number	Description	Qty	Remarks
2	413080	Emergency Stop Push-switch	2	
-	082657	Label, Emergency Stop	2	
-	706187	M4 x 12 mm Steel Cheesehead Screw	8	
-	715007	M4 Nut, Steel, Normal Series	8	
-	716007	M4 Plain Washer, Thick, Steel, Form A	8	
-	716367	M4 Steel Spring Washer, Single-coil	8	

Emergency Stop (Continued)

Detector 12



D12panel.jpg

Item No.	Part Number	Description	Qty	Remarks
1	413050	Emergency Stop Push-switch	2	Not Shown
-	082657	Label, Emergency Stop	2	
-	706187	M4 x 12 mm Steel Cheesehead Screw	8	
-	715007	M4 Nut, Steel, Normal Series	8	
-	716007	M4 Plain Washer, Thick, Steel, Form A	8	
-	716367	M4 Steel Spring Washer, Single-coil	8	

Emergency Stop (Continued)

PCC

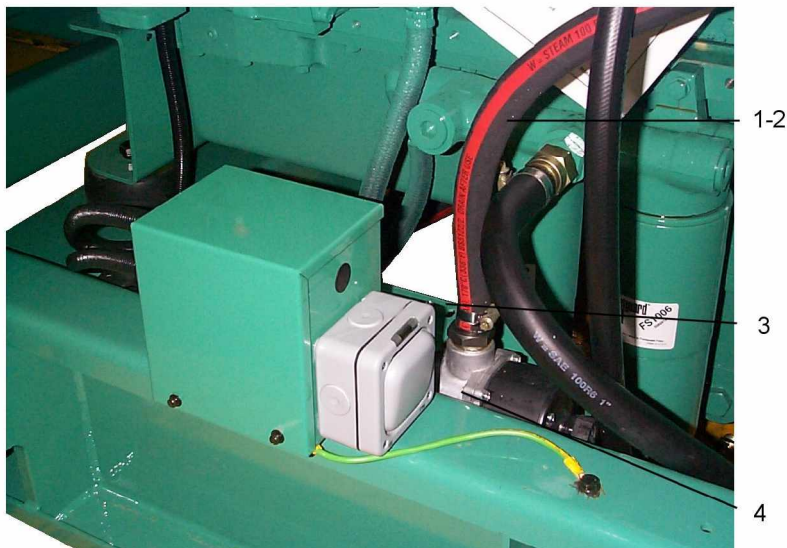


PCCpanel.jpg

Item No.	Part Number	Description	Qty	Remarks
1	413050	Emergency Stop Push-switch	2	
-	082657	Label, Emergency Stop	2	
-	706187	M4 x 12 mm Steel Cheesehead Screw	8	
-	715007	M4 Nut, Steel, Normal Series	8	
-	716007	M4 Plain Washer, Thick, Steel, Form A	8	
-	716367	M4 Steel Spring Washer, Single-coil	8	

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Engine Coolant Heater – 09SC009 (240V) [Feature Code – H074 (240V)]

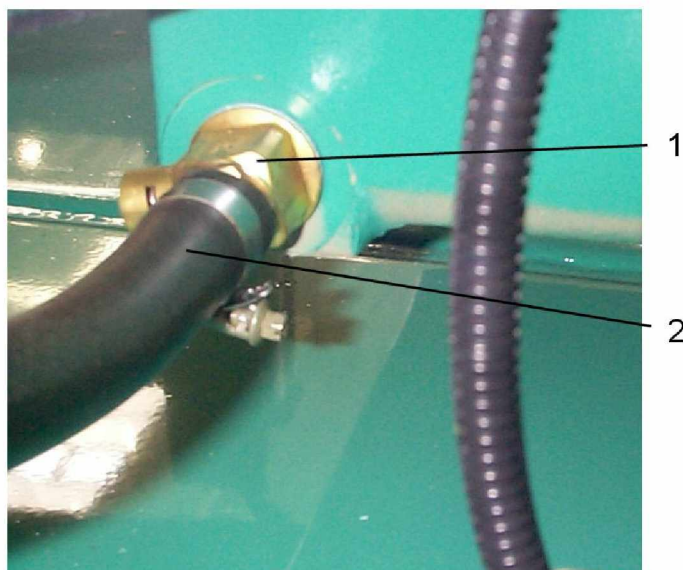


Engheat.jpg

Item No.	Part Number	Description	Qty	Remarks
1	010156	Heater Hose Connection	2	
2	023126	High Temp Steam Hose 1" Bore	1.8m	
3	010167	Heater Support	2	
4	010111	Coolant Tank Heater 2kW, 240V	2	
Ancillary/Attaching Parts				
-	023125	Hose Rated at 100 °C	1.6m	
-	049001	Clip	4	
-	049118	Hose Clip size 1x	4	
-	050861	1 ¹ / ₄ " NPT x 1" NPT Hex Nipple	2	
-	010158	1 ¹ / ₂ "NPT x 16 I/D Hose Connector	2	
-	010159	1" NPT x 16 I/D Hose Connector	2	
-	010160	1" NPT x 25 I/D Hose Connector	4	
-	010112	Thermostat	2	
-	050418	1" Elbow, 1" BSP Female Threads 90°	4	

Note: The 2A fuse from the Alternator Heater Kit 01SC013 (240V) is installed in the Heater Control Box.

Sump Drain Tap – 10SC002

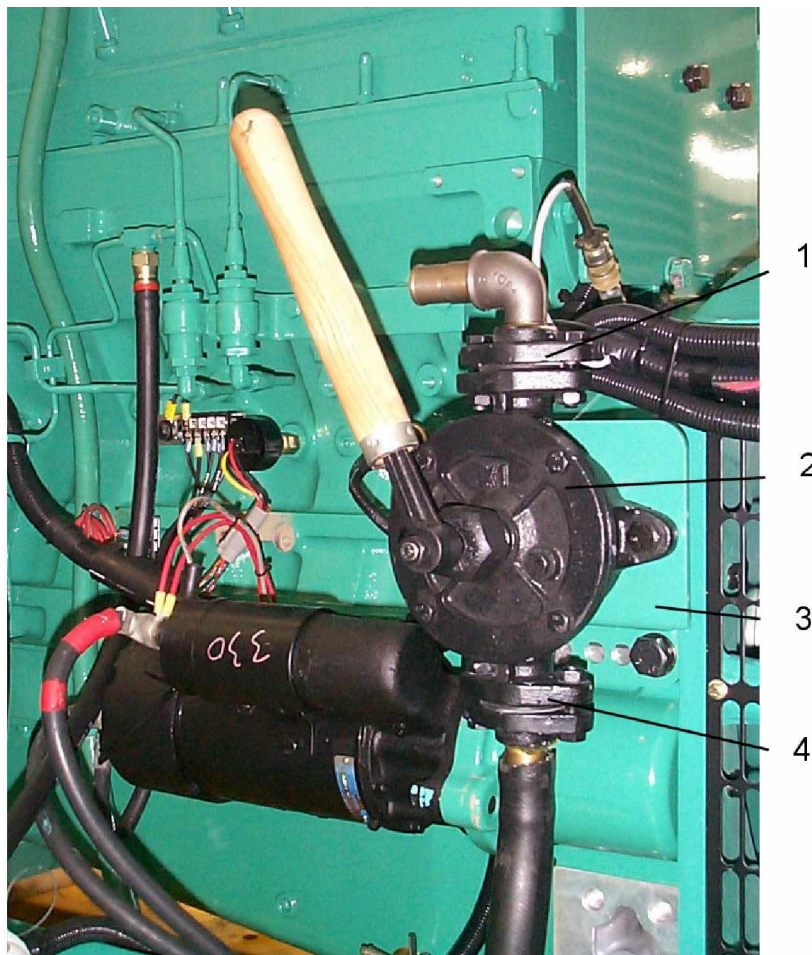


Sumptap.jpg

Item No.	Part Number	Description	Qty	Remarks
1	050695	Oil Sump Drain Valve	1	
2	023048	$\frac{3}{4}$ " Bore Fuel Hose	1	

Sump Drain Pump – 10SC012

[Feature Code – H520]



Sumpump.jpg

Item No.	Part Number	Description	Qty	Remarks
1	050220	$\frac{1}{2}$ " BSP Elbow, M/F	2	
2	050105	Semi-rotary Hand Pump, $\frac{1}{2}$ " BSF	1	
3	046385	Pump Bracket	1	
4	050219	Hose Connection	2	
-	023048	$\frac{3}{4}$ " Bore Fuel Hose, 0.5 M	1	Not Shown
-	049001	Clip	2	Not Shown

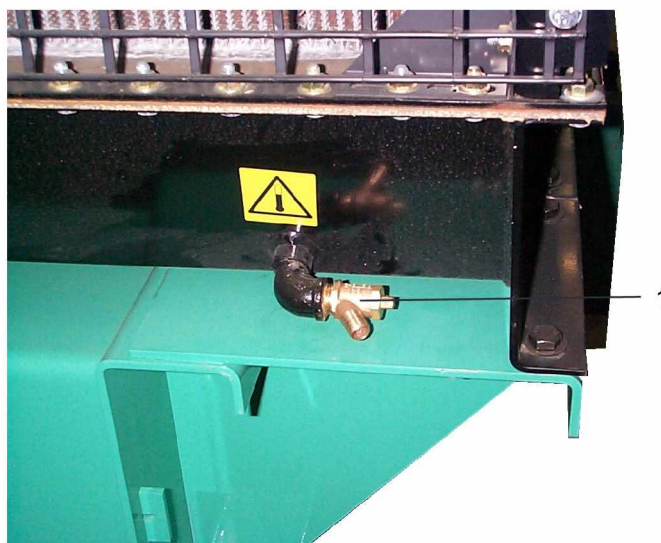
Coolant Drain Tap – 11SC167 (KTA G3/G6/KTTA G2)



Radrain.jpg

Item No.	Part Number	Description	Qty	Remarks
1	050141	½" BSP Brass Draw-off Plug	1	
-	050179	½" BSP Nipple	1	
-	050334	½" BSP Socket – BS 1740	1	

Coolant Drain Tap – 11SC184 (KTA G7/G8/G9)



Front



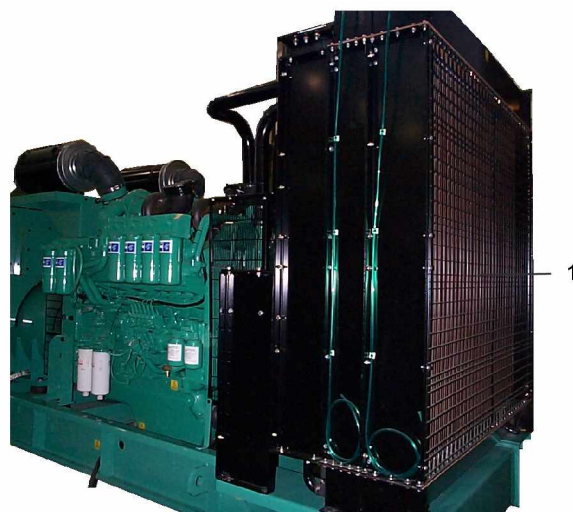
Rear

Radrain.jpg

Item No.	Part Number	Description	Qty	Remarks
1	050141	½" BSP Brass Draw-off Plug	2	
-	050179	½' BSP Nipple	2	
-	050334	½' BSP Socket – BS 1740	2	

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Engine Cooling [Feature Code – E082 (40°C)/E074 (50°C)/TBD (55°C)]



Radiator.jpg

11SC189 (KTA G/G6)

Item No.	Part Number	Description	Qty	Remarks
1	037650	Radiator Eton, 40° C, 50 Hz	1	
-	031876	Radiator Bearer	1	
-	031877	Packer	4	
-	037664	60" Diameter Fan, Truflo	1	

Engine Cooling (Continued)

11SC190/193/194 (KTA G3)

Item No.	Part Number	Description	Qty	Remarks
1	037650	Radiator Eton, 40° C, 60 Hz	1	11SC193
1	037649	Radiator Eton, 50° C, 50/60 Hz	1	11SC190/194
-	031876	Radiator Bearer	1	
-	031877	Packer	4	
-	037664	60" Diameter Fan, Truflo	1	

11SC182 (KTA G7)

Item No.	Part Number	Description	Qty	Remarks
1	037642	Radiator, 56241.035/036, 40° C, 50 Hz	1	
-	031844	Radiator Bearer Assembly	1	
-	037681	Pipe Bracket	2	
-	037682	Pipe Bracket	1	

11SC183/185/226/227 (KTA G8)

Item No.	Part Number	Description	Qty	Remarks
1	037643	Radiator, 56064A.1034/222, 40° C, 50 Hz	1	11SC183
1	037644	Radiator Bearward, 56030.1035/062, 50° C, 50 Hz	1	11SC185
1	TBD	Radiator, 55° C, 50 Hz	1	11SC226
1	TBD	Radiator, 55° C, 60 Hz	1	11SC227
-	031864	Radiator Bearer Assembly	1	
-	031874	Packer	2	11SC185
-	031875	Packer	2	11SC185
-	031878	Top Hose Support	2	
-	049005	Hose Clip No 4	3	

11SC186/220 (KTA G9)

Item No.	Part Number	Description	Qty	Remarks
1	037678	Radiator, 40° C, 60 Hz, 1 pump		11SC220
1	037663	Radiator, 50° C, 60 Hz	1	11SC186
-	031864	Radiator Bearer Assembly	1	
-	031878	Top Hose Support	2	11SC220

-	049005	Hose Clip No. 4	3	11SC220
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Engine Cooling (Continued)

11SC161/165 (KTTA G2)

Item No.	Part Number	Description	Qty	Remarks
1	037565	Radiator Bearward, 55735/D/655, 40° C, 50/60 Hz	1	11SC161
1	037611	Radiator Bearward, 55882.196, 50° C, 50/60 Hz	1	11SC165
-	031797	Radiator Bearer Assembly	1	11SC161
-	031844	Radiator Bearer Assembly	1	11SC165

11SC203 Remote Cooling (No Radiator)/11SC207/215 Plate Heat Exchanger (PHE)

Item No.	Part Number	Description	Qty	Remarks
-	0303200	PHE Bearer, G3	1	11SC207
-	0303293	PHE Bearer, G8/G9	1	11SC215
-	037669	PHE Assembly Kit, G3	1	11SC207
-	037673	PHE Assembly Kit, G8/G9	1	11SC215
-	0402043	Bracket (Damper Guard)	1	
-	0402047	Bracket (Damper Guard)	2	
-	0402048	Bracket (Damper Guard), G3	1	11SC203/207
-	0402048	Bracket (Damper Guard), G8/G9	2	11SC215
-	0402049	Bracket (Damper Guard)	1	
-	0402059	Bracket (Damper Guard)	1	
-	047638	Guard Damper	1	
-	047639	Guard Charge Alternator	1	
-	050141	½" BSP Brass Draw Off Plug	1	11SC207/215

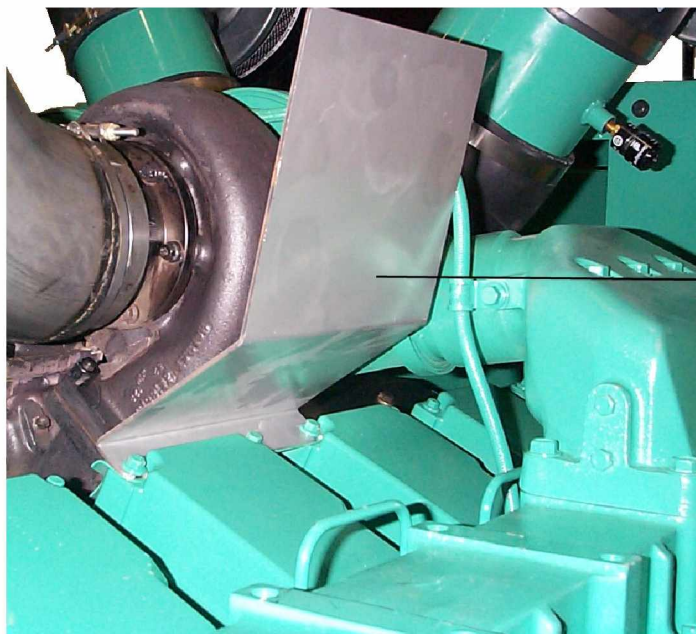
Engine Cooling (Continued)

Attaching Parts

Item No.	Part Number	Description	Qty	Remarks
-	001150	Fan Drive Kit, 1500 RPM	1	
-	001149	Fan Drive Kit, 1800 RPM	1	
-	001153	Fan Belt, 75.0 x 23, Rib K	1	11SC189/190/193/194
-	001183	Key	1	11SC189/190/193/194
-	001184	Lock Washer	1	11SC189/190/193/194
-	001185	Hex Head Bolt ½" – 13UNC – 6" Long	6	11SC189/190/193/194
-	001186	Fan Pulley, 12.5"Diameter	1	11SC189/190/193/194
-	023031	LP Hose ¼" Bore, Type 1525-4	2 M	11SC161/165/189/ 190/193/194
-	023031	LP Hose ¼" Bore, Type 1525-4	1.5 M	11SC182/183/185/ 186/220
-	050259	Adaptor ¼" NPT - ¼" BSP M/M	2	
-	050261	Female Fitting, ¼" BSP	2	

CE Guarding (KTTA G2) – 13SC040

Heat Shield

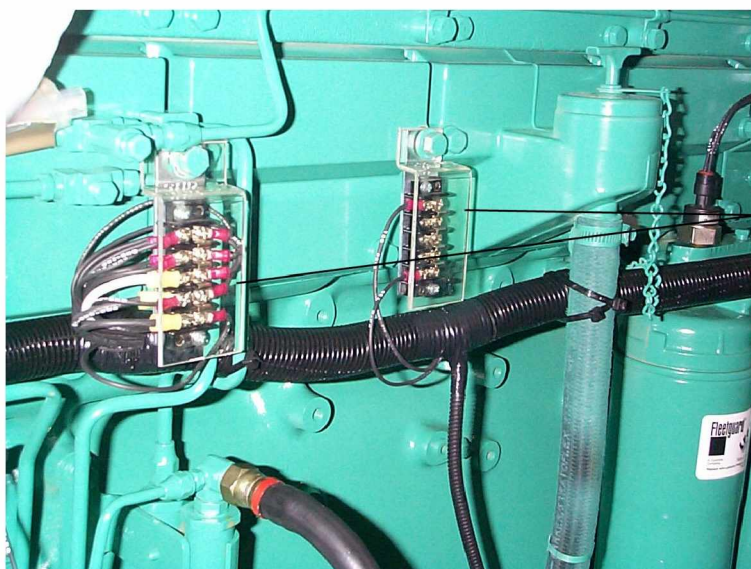


CEGuard.jpg

Item No.	Part Number	Description	Qty	Remarks
1	047424	Bracket	2	
2	047423	Heat Shield	2	

CE Guarding (Continued)

Terminal Shroud (PCC/PCL) – 89SC042/051



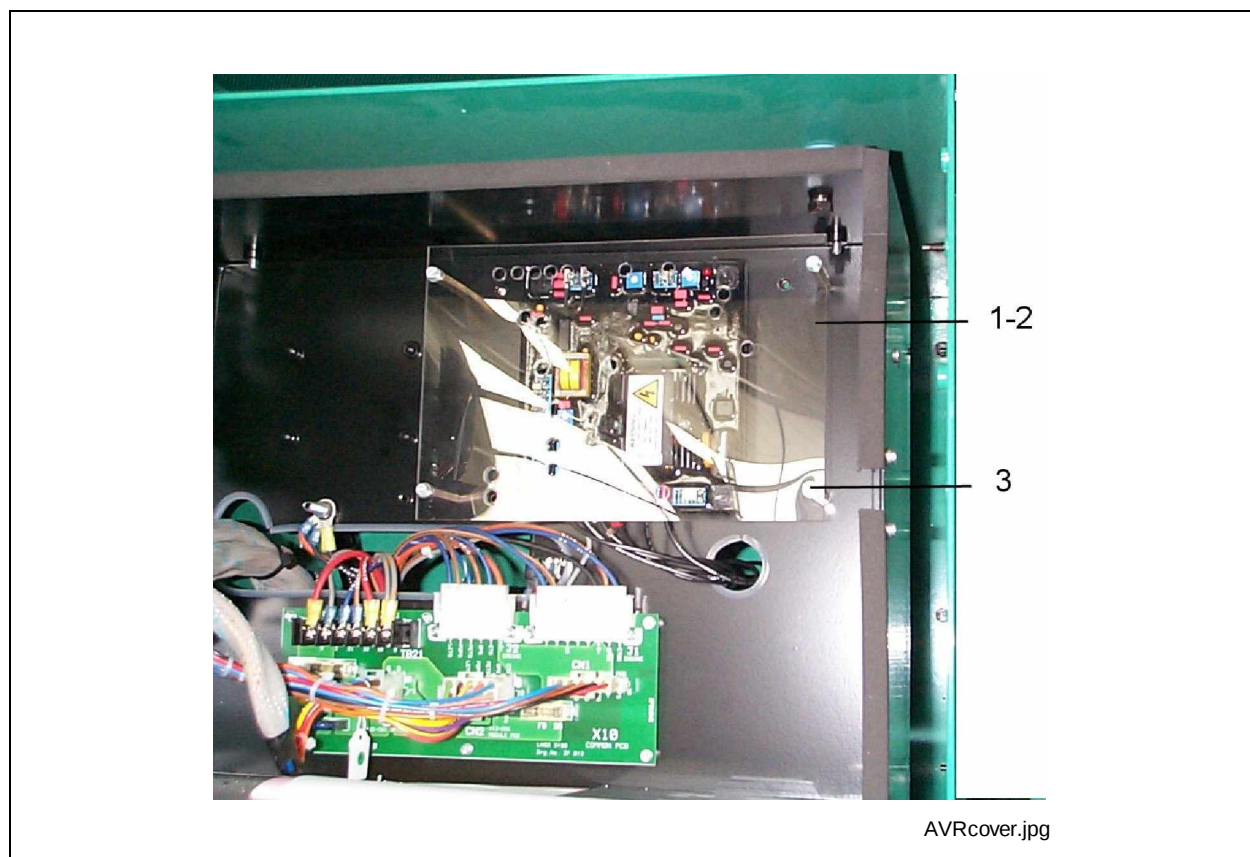
CEcover.jpg

dave

Item No.	Part Number	Description	Qty	Remarks
1	0811366	Terminal Shroud	2	PCL
1	0811366	Terminal Shroud	3	PCC

CE Guarding (Continued)

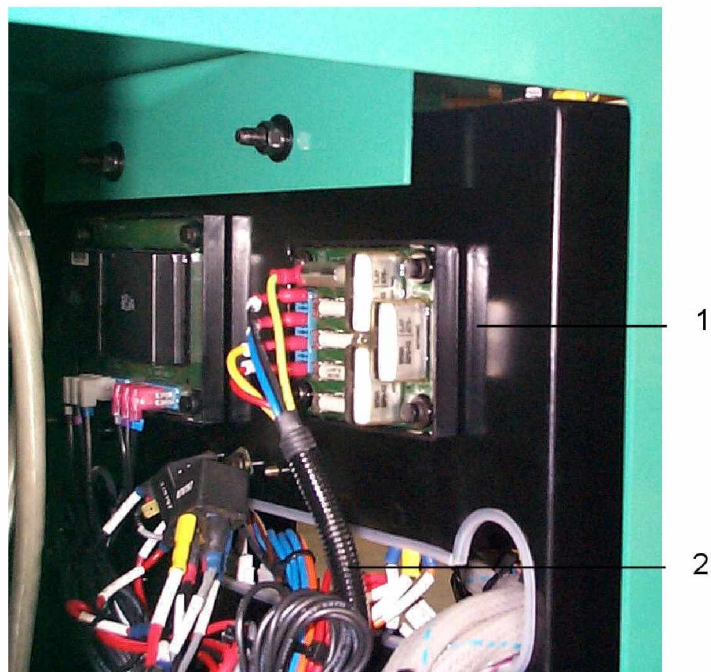
AVR Cover (PCL/Level 1) – 89SC025/056



Item No.	Part Number	Description	Qty	Remarks
1	047321	AVR Cover	1	89SC056
1	047551	AVR Cover	1	89SC025
2	047553	AVR Cover Bracket	2	89SC056
3	047552	Spacer	4	89SC025

CE Guarding (Continued)

Radio Interference Suppression (RIS) Kit – 89SC053



RISunit.jpg

Item No.	Part Number	Description	Qty	Remarks
1	001123	RIS Kit	1	Detector 12 PCL
1	0300421602	RFI Protection Module	1	
1	098254	RFI Suppression Kit	1	
2	098214	RIS Module Loom	1	

Fuel Water Separator – 15SC029/030 [Feature Code – C127]



Watersep.jpg

Item No.	Part Number	Description	Qty	Remarks
1	019339	Bracket, Fuel/Water Separator	2	
2	006231	Hose Pipe Assembly	1	
3	019336	Fuel/Water Separator	2	
-	010160	1" NPT Connector x 25 I/D Hose	2	
-	023120	Hose 1" (25.4 mm) Bore	0.20 M	
-	049001	Clip	2	
-	050179	½" BSP Nipple	1	
-	050267	Equal TEE 1" BSP	2	
-	050275	Adaptor 1" BSP – 1" BSP Taper	1	
-	050418	1" Elbow 1" BSP Female Threads 90°	1	
-	050569	½" BSP MAC Union F/F	1	
-	050621	½" x 1" BSP M/M Adaptor	4	

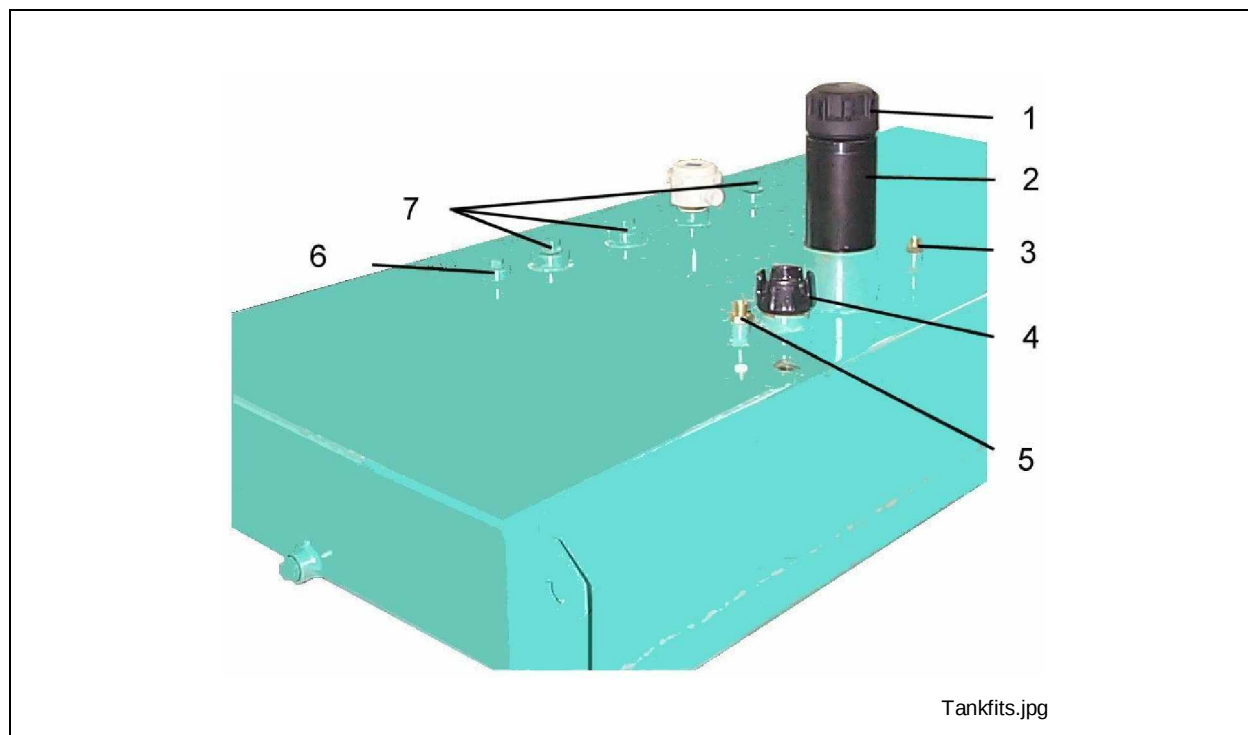
Fuel-Transfer Hand Pump – 16SC001 [Feature Code – C161]



Handpump1.jpg

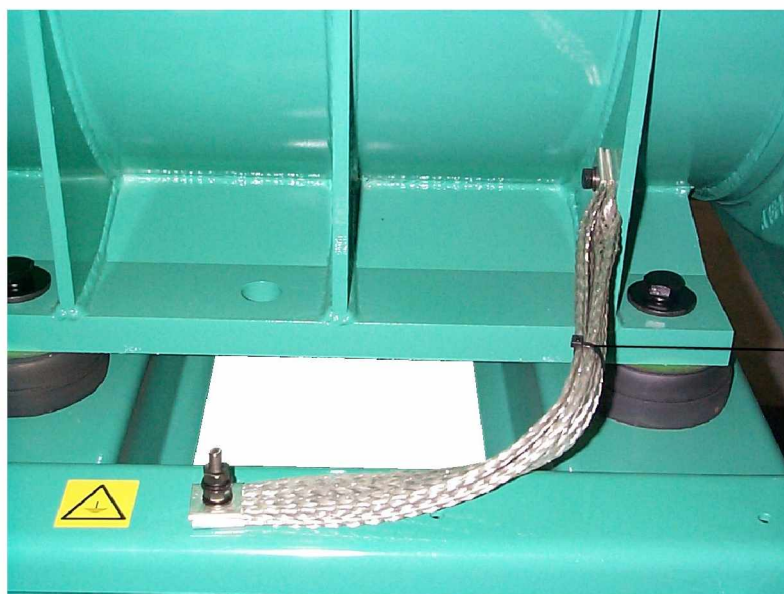
Item No.	Part Number	Description	Qty	Remarks
1	050171	1" BSP Gunmetal Hose Connector	1	
2	046443	Hand Pump Support Bracket	1	
3	050001	Rotary Hand Pump	1	
4	050227	Hose Connection	2	
5	050362	Elbow 90°, ¾" BSP M/F	2	
-	023046	1" Bore x 1/8" Thick Wall PVC Tube	3	Not Shown
-	049001	Clip	3	Not Shown

Fuel Tank Fittings – 17SC019/020



Item No.	Part Number	Description	Qty	Remarks
1	046438	Filler Cap	1	
2	046437	Filler Tube	1	
3	050224	Adaptor 1" BSP, Type 136-16	1	
4	019332	Fuel Contents Gauge, Spiral	1	
5	050485	Adaptor $\frac{5}{8}$ " x 1" BSP	1	17SC019
5	050467	Adaptor 1" - $\frac{3}{4}$ " BSP M/M	1	17SC020
6	050195	$\frac{3}{4}$ " BSP Tapered Plug	3	
7	050173	1" BSP Gunmetal Plug	4	
-	011289	Earth Lead (Base Tank to Bedframe)	1	Not Shown

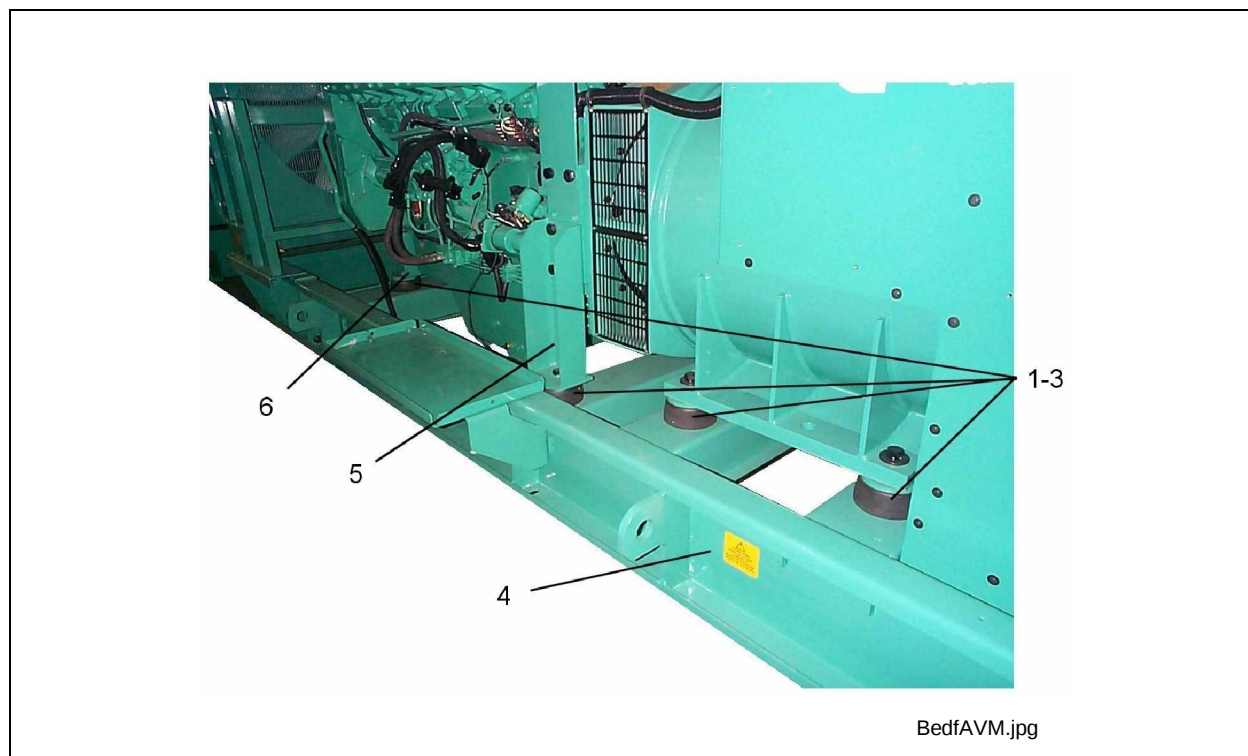
Earth Lead (Alternator to Bedframe) – 20SC072



altbedea.jpg

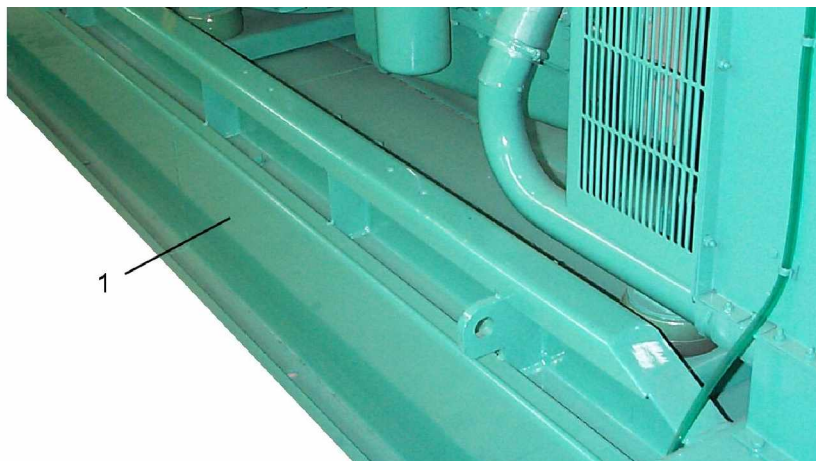
Item No.	Part Number	Description	Qty	Remarks
1	011307	Earth Lead, 240 mm ² - Obsolescent	1	
-	011348	Earth Lead, 100 mm ² Braid	4	

Bedframe & AV Mounts – 25SC070/071



Item No.	Part Number	Description	Qty	Remarks
1	027130	Resilient Mounts, P5/4MF	2	
2	027136	Resilient Mounts, P5/3MF (KTA)	2	25SC070
3	027133	Resilient Mounts, P5/5MF (KTA)	4	25SC070
3	027133	Resilient Mounts, P5/5MF (KTTA)	6	25SC071
4	0302934	Bedframe	1	
5	031724	Engine Foot, Front	1	
6	031725	Engine Foot, Rear	2	
-	027249	Alternator Packer Plate HC7	4	

Base Fuel Tank – 25SC074/076 [Feature Code – C179]

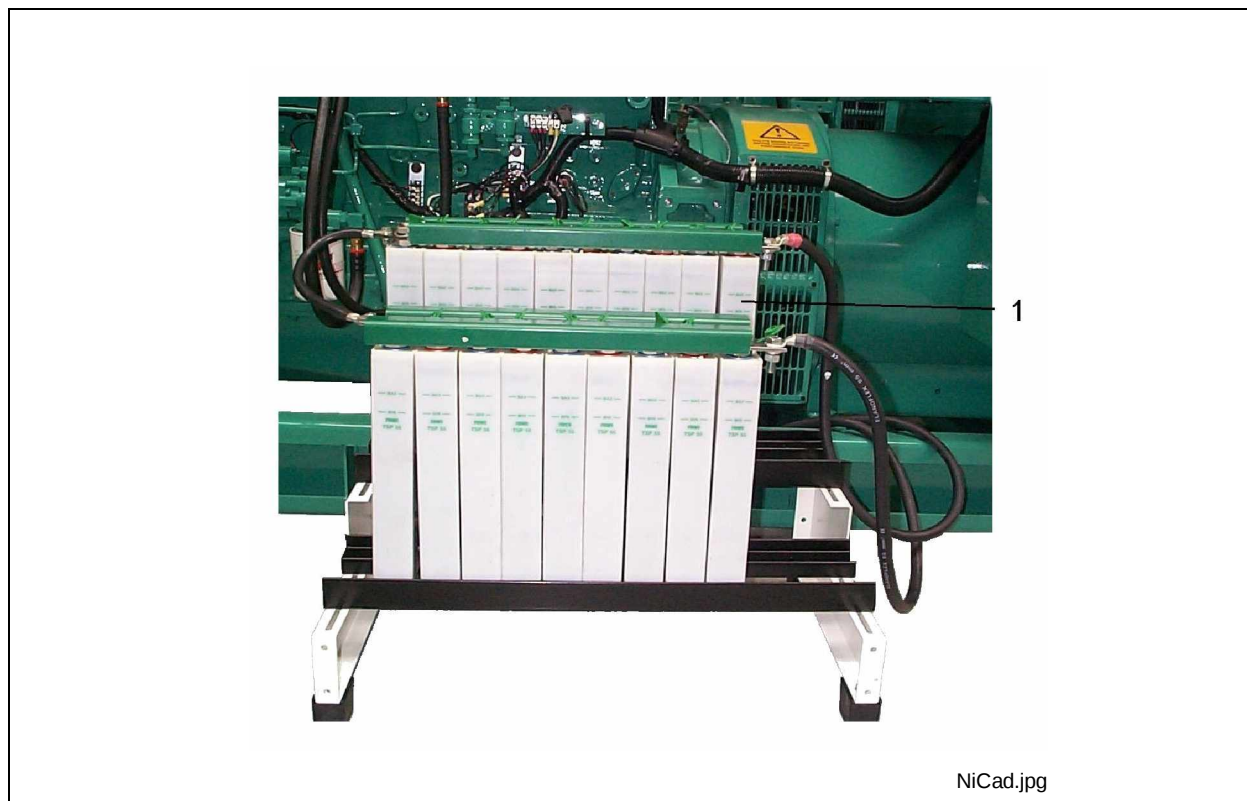


Base Tank.jpg

dave

Item No.	Part Number	Description	Qty	Remarks
1	0302990	Base Tank, 1900 Litre (KTA G3/G6)	1	25SC076
1	0302931	Base Tank 2100 Litre (KTA G7/G8/G9 & KTTA G2)	1	25SC074

Ni-Cad Batteries & Stand – 31SC009 (Export)/31SC016 (UK) [Feature Code – KPB03 (Export)/KPB04 (UK)]



Item No.	Part Number	Description	Qty	Remarks
1	052223	Ni-Cad Batteries (Dry) and Stand (Export)	1	
1	052208	Ni-Cad Batteries (Charged) and Stand (UK only)	1	

Note: Ni-Cad batteries are available in 9 and 19 cell units.

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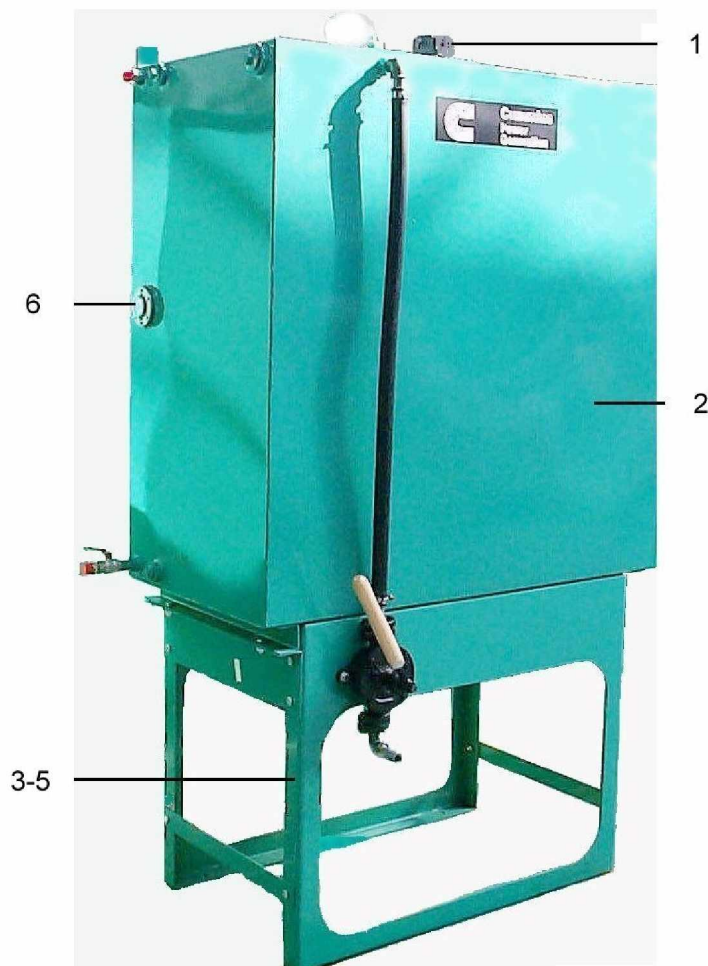
Fuel-Transfer Hand Pump – 42SC001 [Feature Code – KFT07]



Item No.	Part Number	Description	Qty	Remarks
1	023046	1" Bore x $\frac{1}{8}$ " Thick Wall PVC Tube	3	
2	049001	Clip	3	
3	050001	Rotary Hand Pump	1	
4	050227	Hose Connection	3	
5	050362	$\frac{3}{4}$ " BSP 90° Elbow M/F	2	

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Free-Standing Fuel Tank – 43SC001/002/003 [Feature Code – KFT01/02/03]



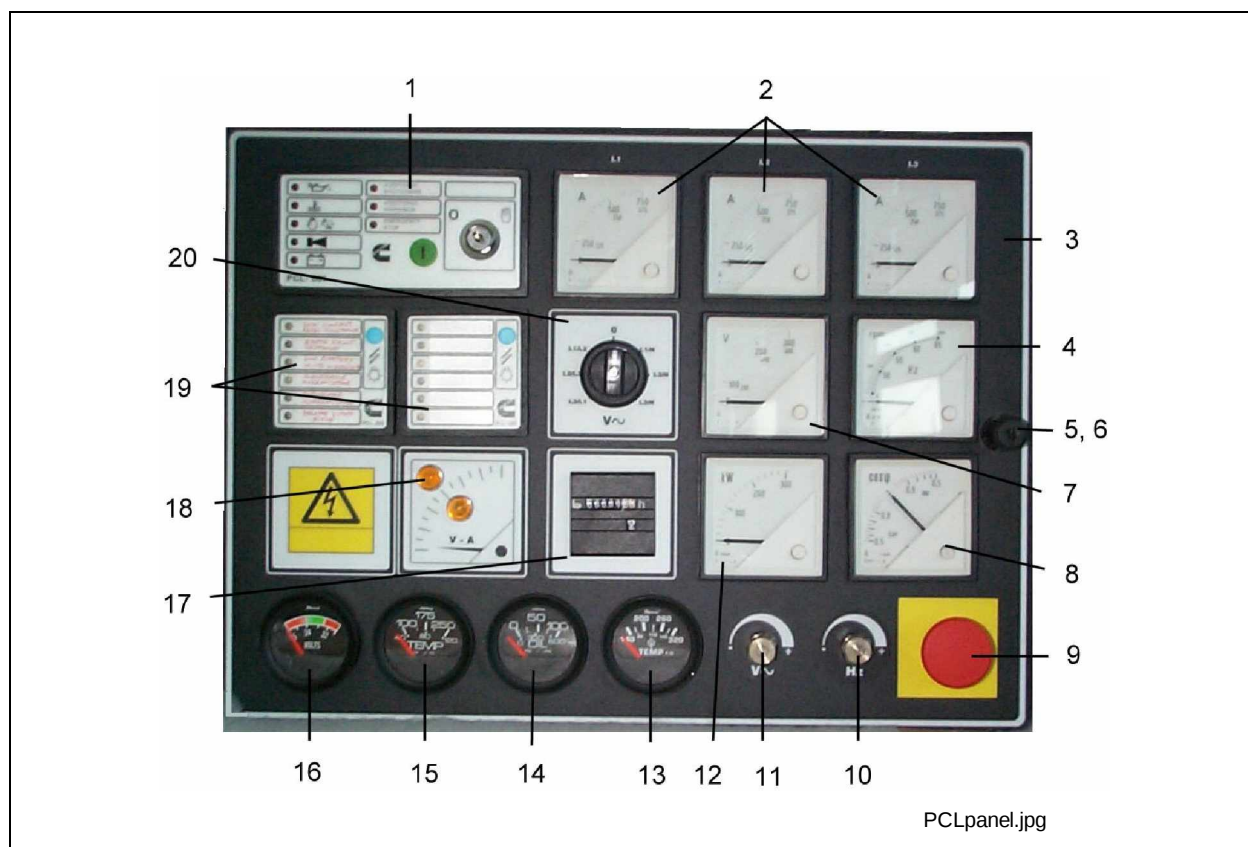
FSTank.jpg

Item No.	Part Number	Description	Qty	Remarks
1	046438	Filler Cap	1	
2	046321	Fuel Tank, 450 litre	1	KFT01
2	046322	Fuel Tank, 900 litre (Standard)	1	KFT02
2	046323	Fuel Tank, 1350 litre	1	KFT03
3	033057	Tank Stand Frame	2	
4	033058	Spreader, 450 litre	2	KFT01
4	033059	Spreader, 900 litre	2	KFT02
4	033060	Spreader, 1350 litre	2	KFT03

Free-Standing Fuel Tank (Continued)

Item No.	Part Number	Description	Qty	Remarks
5	033061	Stay, 450 litre	2	KFT01
5	033062	Stay, 900 litre	2	KFT02
5	033063	Stay, 1350 litre	2	KFT03
6	019001	Fuel Contents Gauge	1	
Ancillary/Attaching Parts				
-	046210	Gasket	1	
-	046439	Filler Plate	1	
-	050122	1/2" BSP Plug, M.I.M.S or W	1	
-	050173	1" BSP Gunmetal Plug	2	
-	050192	3/4" Gate Valve Taper	1	
-	050195	3/4" BSP Tapered Plug	1	
-	050196	3/4" BSP Nipple	1	
-	050361	1 1/2" BSP Taper Plug M/Iron	1	

PCL 001/002 Control Panel – 80SC192/194 (50/60Hz) [Feature Code – H576 (50 Hz)/H577 (60 Hz)]



Item No.	Part Number	Description	Qty	Remarks
1	81SC037	PCL-001 Key Start Module	1	H576
-	• 427563	• Cover	1	
-	• 989416	• Module PCB, Key Start	1	
-	• 433146	• PCL 001 Key Start	1	
1	81SC038	PCL-002 Auto Start Module	1	H577
-	• 427564	• Cover	1	
-	• 989417	• Module PCB, Key Start	1	
-	• 433147	• PCL 001 Key Start	1	
2	409550	AC Ammeter	3	
3	0811822	Standard Control Panel	1	
-	• 0811824	Control Panel Door Assembly	1	
4	410508	Frequency Meter	1	
5	426532	Door Lock	1	
6	0811578	Latch Plate	1	

PCL 001/002 Control Panel (Continued)

Item No.	Part Number	Description	Qty	Remarks
7	409507	Voltmeter, Dual Scaled	1	
8	410700	PF Transducer & Meter	1	K264
9	413080	Emergency Stop Push-switch	1	K796
10	82SC065	Speed Adjustment Potentiometer	1	A068
10	82SC066	Volt Trim Potentiometer (SX440)	1	K270
11	82SC067	Volt Trim Potentiometer (MX321)	1	K270
12	410550	KW Meter	1	K185
13	01930435	Oil Temperature Gauge	1	K486
14	01930466	Oil Pressure Gauge	1	
15	01930351	Engine Temperature Gauge	1	
15	03021641	Battery Voltmeter, 12V	1	
15	03021642	Battery Voltmeter, 24V	1	
16	410575	Hours Counter (50Hz)	1	
17	410607	Elapsed Time Meter, 220/240V (60Hz)	1	
18	408518	Amber Neon, 120V	2	
19	433148	Annunciator 510	2	
20	416566	Volts Selector Switch	1	
Ancillary/Attaching Parts				
-	011350	Earth Lead 4 mm ²	2	
-	0811412	Panel Wrapper	1	
-	0821225	Label	1	
-	098240	AC Harness Link Loom	1	
-	410586	Meter Bezel Gasket	5	
-	410686	Meter Gasket 144 mm ²	1	
-	410692	48 mm Gasket	1	
-	420008	Nylon Insulation Spacer	6	
-	427566	Sealing Strip	1	
-	427562	Meters Cover	1	
-	558603	4 mm ² Earth Lead, 6-6BST Terminals	1	
-	989413	Common PCB	1	
-	989414	Meters PCB	1	
-	989415	Gauges PCB	1	
-	989418	Annunciator PCB	1	
-	989419	Option PCB	1	
-	027074	Resilient Mounts AVM202	6	

PCL 001/002 Control Panel (Continued)

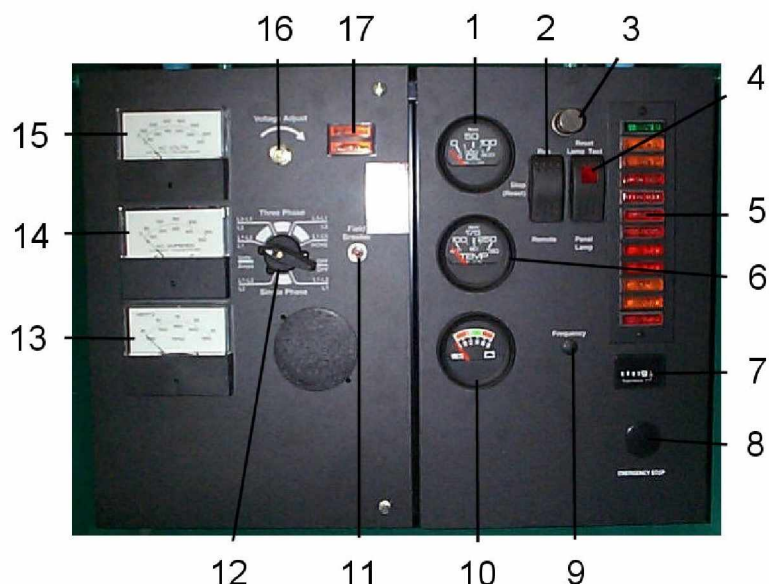
Item No.	Part Number	Description	Qty	Remarks
-	0300451501	Control Box Heater 120V	1	
-	0300451502	Control Box Heater 240V	1	
-	049161	M4 Cage Nut	2	
-	426534	Ratchet Screw	2	

Note: Refer to the Vendor Parts Catalogue for detailed spare parts information for this Control Panel.

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Note: Detector 12 information is currently under review by CPG Engineering and part numbers may change.

Detector 12 Control Panel – 433169 thru 433176 [Feature Code – H559]



D12panel.jpg

Item No.	Part Number	Description	Qty	Remarks
1	1930466	Oil Pressure Gauge	1	K796, Not Shown A068
2	3081011	Switch (WO/L)	1	
3	3220361	Panel Light	1	
4	3081010	Rocker Switch (W/L)	1	
5	322036001	Lamp Assembly, 12V	1	
5	322036002	Lamp Assembly, 24V	1	
6	1930351	Water Temperature Gauge	1	
7	3022002	Time Totalizing Meter	1	
8	413050	Emergency Stop Push-switch	1	
9	03003598	Frequency Adjust Potentiometer	1	
10	3021641	Voltmeter, 8-18V	1	
10	3021642	Voltmeter, 16-36V	1	
11	0320168801	Circuit Breaker-Mag (Field)	1	
12	03081052	Rotary Volt/Ammeter Switch	1	
13	3021968	Frequency Meter (<500V)	1	

Detector 12 Control Panel (Continued)

Item No.	Part Number	Description	Qty	Remarks
13	3021992	Frequency Meter (120V)	1	
14	3021975	Ammeter, Scale 0-25, 0-50	1	
14	3021473	Ammeter, Scale 0-50, 0-100	1	
14	3021147	Ammeter, Scale 0-75, 0-150	1	
14	3021683	Ammeter, Scale 0-100, 0-200	1	
14	3021684	Ammeter, Scale 0-150, 0-300	1	
14	3021685	Ammeter, Scale 0-200, 0-400	1	
14	3021724	Ammeter, Scale 0-250, 0-500	1	
14	3021725	Ammeter, Scale 0-375, 0-750	1	
14	3021726	Ammeter, Scale 0-400, 0-800	1	
15	3021148	Voltmeter	1	
15	3021753	Voltmeter	1	
16	03030261	Volts Adjust Potentiometer	1	82SC026
16	0303028501	Volts Adjust Potentiometer	1	82SC027
17	03220363	Lamp Assembly, Upper/Lower Scale	1	
Ancillary/Attaching Parts				
-	03370049	Bonding Strap	1	
-	3004296	PCB Assembly, Engine Monitor, 12V	1	
-	3004297	PCB Assembly, Engine Monitor, 24V	1	
-	334323	Gauge, PCB Assembly	1	
-	3383252	DC Harness (Vertical)	1	
-	3220017	Panel Lamp, 24V	1	
-	3220004	Pilot Lamp, 12V	1	
-	3283252	DC Harness (Vertical)	1	
-	301905501	Door WLDMT Control RH	1	
-	03383429	Harness, TB21	1	
-	03382278	AC Harness (Vertical)	1	
-	0301905401	Door WLDMT Control LH	1	
-	03193030	Box WLDMT Control	1	
-	03550189	Capacitor Assembly	1	
-	5170131	Plug, Hole	1	
-	0300451501	Control Box Heater 120V	1	89SC021
-	0300451502	Control Box Heater 240V	1	89SC022

Note: Refer to the Vendor Parts Catalogue for detailed spare parts information for this Control Panel.

PCC Control Panel – 03005127 (ISO Symbols)/03004305 (English Text)
[Feature Code – H578 (Single)/H579 & H580 (Paralleling)]



PCCpanel.jpg

Item No.	Part Number	Description	Qty	Remarks
1	0300512701	PCC Controller, 0-600V, Single, ISO Symbols	1	Single
1	0300512702	PCC Controller, 0-600V, Parallel, ISO Symbols	1	
1	0300430501	PCC Controller, 0-600V, Single, English Text	1	
1	0300430505	PCC Controller, 0-600V, Parallel, English Text	1	
2	0300431101	Door Assembly, 0-300,0-600V	1	
2	0300431102	Door Assembly, 0-750V	1	
2	0300431103	Door Assembly, 0-5250V	1	
2	0300431104	Door Assembly, 0-15kV	1	

PCC Control Panel (Continued)

Item No.	Part Number	Description	Qty	Remarks
2	0300431105	Door Assembly, 0-300,0-600V	1	Paralleling
2	0300431106	Door Assembly, 0-750V	1	
2	0300431107	Door Assembly, 0-5250V	1	
2	0300431108	Door Assembly, 0-15kV	1	
3	08950359	Door Gasket	1	
4	413050	Emergency Stop Push-switch	1	K796
Ancillary/Attaching Parts				
-	03004079	Digital PCB	1	Single
-	0300408001	Analog PCB	1	
-	03004481	Display PCB	1	
-	03004462	Customer Interface PCB	1	
-	03004083	Engine Interface PCB	1	
-	03004458	Network Interface Module PCB	1	89SC043
-	0300430601	Voltage Regulator PCB	1	Paralleling
-	0300430701	Governor O.P. Module	1	
-	0300430801	PT/CT Module	1	Paralleling
-	0300430901	Bus PT, 0-300V L-L, 120V	1	
-	0300430902	Bus PT, 301-480V L-L, 240V	1	Paralleling
-	098290	Harness, Terminal Rail Assembly	1	Single
-	098294	Harness, Terminal Rail Assembly	1	Paralleling
-	0821164	Decal	1	Single
-	0821165	Decal	1	Paralleling
-	0300451501	Control Box Heater 120V	1	89SC031
-	0300451502	Control Box Heater 240V	1	89SC012

Note:

1. ISO Symbol controllers are for the Central Region and English Text controllers are for the Asia and America Regions.
2. Door Assemblies are not available with Paralleling Control Systems.
3. Options B184 and A367 are necessary with all PCC Control Systems.
4. Feature Code H580 is an upgradeable Paralleling option.
5. Refer to the Vendor Parts Catalogue for detailed spare parts information for this Control Panel.

Battery Charger – 85SC010/025 (Lead Acid)/85SC012/027 (Ni-Cad) [Feature Code – KBC01/02 (Lead Acid)/KBC03/04 (Ni-Cad)]



BatCharger.jpg

Item No.	Part Number	Description	Qty	Remarks
1	402505	Battery Charger, 10A, 24V (Loose)	1	85SC010
1	402532	Battery Charger, 5A, 24V (Wall-mounted)	1	85SC025
1	402507	Battery Charger, 10A, 24V (Loose)	1	85SC012
1	402534	Cabinet Battery Charger, 5A, 24V	1	85SC027

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Recommended Spare Parts Holding

The table below is a generic list of the recommended spare part holdings for the KTA 50 Series genset. This information is supplied for your guidance only. The data can change when build specific serial numbers are known and without prior notification at the manufacturer's discretion.

It is strongly recommended that you order the parts that meet your requirements. To order your parts follow the procedure given in the Introduction and use the fax order form supplied on page 8 of this manual. If you require further information use the contact information given on the fax order form.

Item No.	Part Number	Description	Qty
1	410575	Hours Counter (Not PCC)	1
2	01930351	Water Temperature Gauge (410673, Not PCC)	1
3	01930466	Oil Pressure Gauge (410674, Not PCC)	1
4	415060	Relay 24v, 10A	2
5	415075	Relay 24v, 5A, 2P	2
6	971004	Diode 10D6 or in 4006S	2
7	CC 2602M	DCA Test Kit	2
8	019456	Oil Temperature Sender (019120)	2
9	433146	PCL 001 Key Start Unit	1
10	433147	PCL 002 Remote Start Unit	1
11	433154	PCL 005 AMF Unit	1
12	409509	Voltmeter, 8-18V	1
13	409507	Voltmeter 72mm Dual Scaled	1
14	409550	Ammeter	1
16	410607	Elapsed Time Meter (Not PCC)	1
17	P00418	Voltmeter Selector Switch	1
18	03021642	Battery Condition Meter	1
19	410578	Lube Oil Temperature Gauge	1
20	413050	Emergency Stop Push-switch	1
21	415124	Earth Fault Unit	1
22	414051	Speed Trim Potentiometer	1
23	098255	Volts Trim Potentiometer Loom 1k	1
24	098239	Volts Trim Potentiometer Loom 5k	1
25	402029	Battery Charger 3 Amp	1
26	402505	Battery Charger 10 Amp Wall Mounted	1
27	4011014	3 Pole Circuit Breaker 630 Amp	1
28	4011013	4 Pole Circuit Breaker 400 Amp	1
29	019217	Low Coolant Protection Unit	1
30	019464	Low Coolant Probe (019333)	1

Item No.	Part Number	Description	Qty
31	019322	Float Switch, High/Low Fuel (019242)	1
32	019325	Float Switch, Low Fuel (019198)	1
33	019321	Float Switch, Fuel Transfer Control	1
34	099932	Audible Alarm 12V	1
35	RSK-6001	Rectifier Service Kit	1
36	433159	PCL Software Kit + Manual	1
37	E000-24030	AVR SX440	1
38	E000-24602	AVR SX460	1
39	E000-24210	AVR MX421	1
40	E000-23410	AVR MX341	1
41	E000-23212	AVR MX321	1
42	405593	Fuse 5 Amp (PCC Panel)	2
43	405590	Fuse 10 Amp (PCC Accessory Box)	3
44	FEC 540330	Fuse 20 Amp (Detector 12)	2
45	FEC 540328	Fuse 15 Amp (Detector 12)	1
46	405593	Fuse 5 Amp (Detector 12)	2
47	FEC 540330	Fuse 20 Amp (989413 Common PCB)	1
48	FEC 540328	Fuse 15 Amp (989413 Common PCB)	1
49	FEC 926784	Fuse 2 Amp (989413 Common PCB)	2
50	FEC 926784	Fuse 2 Amp (989414 Meter PCB)	4
51	405501	Fuse 2 Amp (DMC Panel)	9
52	405502	Fuse 6 Amp (DMC Panel)	13
53	405583	Fuse 500 MA (DMC Panel)	1
54	405588	Fuse 1 Amp (DMC Panel)	11
55	405589	Fuse 5 Amp (DMC Panel)	1
56	405526	Fuse 4 Amp (DMC Panel)	2
57	405593	Fuse 5 Amp (PCC)	2
58	405590	Fuse 10 Amp (PCC)	3
59	405501	Fuse 2 Amp (PCL005)	5
60	405526	Fuse 4 Amp (PCL005)	1

Recommended Spare Parts for Periodic Servicing

The tables that follow contain the recommended spare parts necessary to complete the 250, 500, 1000, 3000 and 6000 hour servicing cycles. The minor periodic services (250 and 500 hour and 1000 hour when applicable) must be carried out between the major periodic servicing intervals (1000, 3000 and 6000 hour cycles). To order your parts follow the procedure given in the Introduction and use the fax order form supplied on page 8 of this manual. If you require further information use the contact information given on the fax order form.

Cummins Power Generation recommends that only genuine Cummins parts are used and Cummins approved service engineers maintain your equipment at the recommended servicing intervals. These recommendations will enable you to comply fully with all the requirements of the 180-day Warranty and prevent the invalidation of any Warranty claim.

PCL Modules

Note: PCL Modules can be added to any order as and when necessary.

Part No	Description	Qty	Applicability
433146	PCL 001 Key Start Module	AR	
433147	PCL 002 Remote Start Module	AR	
433154	PCL 005 Mains Failure Module	AR	

250/500 Hour Service

Note: The quantities given are required for the 250-hour and the 500-hour service.

Part No	Description	Qty	Applicability
3629140	Gasket, Rocker Lever Cover	16	
CC 2602M	DCA Test Kit	1	
FF 1006	Fuel Filter	4	
LF 3325	Oil Filter	8	
LF 777	Oil Filter Bypass	4	
WF 2076	Water Filter	8	
01930432	Water Temperature Sender	1	PCC
193044701	Water Temperature Sender	1	Not PCC
01930444	Oil Pressure Sender	1	PCC
01930448	Oil Pressure Sender	1	Not PCC
405593	Fuse 5 Amp	2	PCC Panel
405590	Fuse 10 Amp	3	PCC Accessory Box
FEC 540330	Fuse 20 Amp	2	Detector 12
FEC 540328	Fuse 15 Amp	1	Detector 12
405593	Fuse 5 Amp	2	Detector 12
FEC 540330	Fuse 20 Amp (989413)	1	Common PCB
FEC 540328	Fuse 15 Amp (989413)	1	Common PCB
FEC 926784	Fuse 2 Amp (989413)	2	Common PCB
FEC 926784	Fuse 2 Amp (989414)	4	Meter PCB
405501	Fuse 2 Amp	9	DMC Panel
405502	Fuse 6 Amp	13	DMC Panel
405583	Fuse 500 MA	1	DMC Panel
405588	Fuse 1 Amp	11	DMC Panel
405589	Fuse 5 Amp	1	DMC Panel
405526	Fuse 4 Amp	2	DMC Panel
405593	Fuse 5 Amp	2	PCC
405590	Fuse 10 Amp	3	PCC
405501	Fuse 2 Amp	5	PCL005
405526	Fuse 4 Amp	1	PCL005

1000 Hour Service

Part No	Description	Qty	Applicability
3629140	Gasket, Rocker Lever Cover	16	
3627961	Seal, Thermostat	4	
3629205	Thermostat	4	
3171732	Belt, Alternator	1	
F.B	Fan Belt	1	Unique to Serial No.
AF25278	Air Filter (KTA)	2	Standard
009539-01/02	Air Filter, Inner/Outer (KTTA)	2	Standard
CC 2602M	DCA Test Kit	1	
FF 1006	Fuel Filter	4	
LF 3325	Oil Filter	8	
LF 777	Oil Filter Bypass	4	
WF 2076	Water Filter	8	
RSK-6001	Rectifier Service Kit	1	Standard
01930432	Water Temperature Sender	1	PCC
193044701	Water Temperature Sender	1	Not PCC
01930444	Oil Pressure Sender	1	PCC
01930448	Oil Pressure Sender	1	Not PCC
3050692	Solenoid Starter 24V	1	
405593	Fuse 5 Amp	2	PCC Panel
405590	Fuse 10 Amp	3	PCC Accessory Box
FEC 540330	Fuse 20 Amp	2	Detector 12
FEC 540328	Fuse 15 Amp	1	Detector 12
405593	Fuse 5 Amp	2	Detector 12
FEC 540330	Fuse 20 Amp (989413)	1	Common PCB
FEC 540328	Fuse 15 Amp (989413)	1	Common PCB
FEC 926784	Fuse 2 Amp (989413)	2	Common PCB
FEC 926784	Fuse 2 Amp (989414)	4	Meter PCB
405501	Fuse 2 Amp	9	DMC Panel
405502	Fuse 6 Amp	13	DMC Panel
405583	Fuse 500 MA	1	DMC Panel
405588	Fuse 1 Amp	11	DMC Panel
405589	Fuse 5 Amp	1	DMC Panel
405526	Fuse 4 Amp	2	DMC Panel

Part No	Description	Qty	Applicability
405593	Fuse 5 Amp	2	PCC
405590	Fuse 10 Amp	3	PCC
405501	Fuse 2 Amp	5	PCL005
405526	Fuse 4 Amp	1	PCL005

3000 Hour Service

Part No	Description	Qty	Applicability
3629140	Gasket, Rocker Lever Cover	16	
0067946	Gasket, Oil Drain	2	
3055069	Oil Drain Plug	2	
3801717	Gasket Set Lower Engine	1	
3804299	Gasket Set Upper Engine	1	
3053124	Injector	2	KTA G1/G2
3076702	Injector	2	KTTA G2 KTA G3/G4/G8
3627961	Seal, Thermostat	4	
3629205	Thermostat	4	
3171732	Belt, Alternator	1	
F.B.	Belt, Fan	1	Unique to Serial No.
3803257	Repair Kit, Turbo	1	
3803285	Repair Kit, Water Pump	1	
AF25278	Air Filter (KTA)	2	Standard
009539-01/02	Air Filter, Inner/Outer (KTTA)	2	Standard
CC 2602M	DCA Test Kit	1	
FF 1006	Fuel Filter	4	
LF 3325	Oil Filter	8	
LF 777	Oil Filter Bypass	4	
WF 2076	Water Filter	8	
E000-23212	AVR Standard MX321	1	Not PCC
RSK-6001	Rectifier Service Kit	1	Standard
01930432	Water Temperature Sender	1	PCC
193044701	Water Temperature Sender	1	Not PCC
01930444	Oil Pressure Sender	1	PCC
01930448	Oil Pressure Sender	1	Not PCC
410587	Water Temperature Gauge	1	Not PCC
410588	Oil Pressure Gauge	1	Not PCC
410575	Hours Counter	1	Not PCC
3050692	Solenoid Starter 24V	1	
405593	Fuse 5 Amp	2	PCC Panel
405590	Fuse 10 Amp	3	PCC Accessory Box
FEC 540330	Fuse 20 Amp	2	Detector 12

Part No	Description	Qty	Applicability
FEC 540328	Fuse 15 Amp	1	Detector 12
405593	Fuse 5 Amp	2	Detector 12
FEC 540330	Fuse 20 Amp (989413)	1	Common PCB
FEC 540328	Fuse 15 Amp (989413)	1	Common PCB
FEC 926784	Fuse 2 Amp (989413)	2	Common PCB
FEC 926784	Fuse 2 Amp (989414)	4	Meter PCB
405501	Fuse 2 Amp	9	DMC Panel
405502	Fuse 6 Amp	13	DMC Panel
405583	Fuse 500 MA	1	DMC Panel
405588	Fuse 1 Amp	11	DMC Panel
405589	Fuse 5 Amp	1	DMC Panel
405526	Fuse 4 Amp	2	DMC Panel
405593	Fuse 5 Amp	2	PCC
405590	Fuse 10 Amp	3	PCC
405501	Fuse 2 Amp	5	PCL005
405526	Fuse 4 Amp	1	PCL005

6000 Hour Service

Part No	Description	Qty	Applicability
3629140	Gasket, Rocker Lever Cover	16	
0067946	Gasket, Oil Drain	2	
3055069	Oil Drain Plug	2	
3801717	Gasket Set Lower Engine	1	
3804299	Gasket Set, Upper Engine	1	
3053124	Injector	2	KTA G1/G2
3076702	Injector	2	KTTA G2 KTA G3/G4/G8
3017993	Valve, Fuel Pump Solenoid	1	
3062322	EFC Governor	1	Not PCC
3627961	Seal, Thermostat	4	
3629205	Thermostat	4	
3408326	Actuator	1	
3171732	Belt, Alternator	1	
F.B.	Belt, Fan	1	Unique to Serial No.
3803257	Repair Kit, Turbo	1	
3803285	Repair Kit, Water Pump	1	
AF25278	Air Filter (KTA)	2	Standard
009539-01/02	Air Filter, Inner/Outer (KTTA)	2	Standard
CC 2602M	DCA Test Kit	1	
FF 1006	Fuel Filter	2	
LF 3325	Oil Filter	4	
LF 777	Oil Filter Bypass	2	
WF 2076	Water Filter	4	
E000-23212	AVR Standard MX321	1	Not PCC
RSK-6001	Rectifier Service Kit	1	Standard
01930432	Water Temperature Sender	1	PCC
193044701	Water Temperature Sender	1	Not PCC
01930444	Oil Pressure Sender	1	PCC
01930448	Oil Pressure Sender	1	Not PCC
410587	Water Temperature Gauge	1	Not PCC
410588	Oil Pressure Gauge	1	Not PCC
410575	Hours Counter	1	Not PCC
3050692	Solenoid Starter 24V	1	

Part No	Description	Qty	Applicability
405593	Fuse 5 Amp	2	PCC Panel
405590	Fuse 10 Amp	3	PCC Accessory Box
FEC 540330	Fuse 20 Amp	2	Detector 12
FEC 540328	Fuse 15 Amp	1	Detector 12
405593	Fuse 5 Amp	2	Detector 12
FEC 540330	Fuse 20 Amp (989413)	1	Common PCB
FEC 540328	Fuse 15 Amp (989413)	1	Common PCB
FEC 926784	Fuse 2 Amp (989413)	2	Common PCB
FEC 926784	Fuse 2 Amp (989414)	4	Meter PCB
405501	Fuse 2 Amp	9	DMC Panel
405502	Fuse 6 Amp	13	DMC Panel
405583	Fuse 500 MA	1	DMC Panel
405588	Fuse 1 Amp	11	DMC Panel
405589	Fuse 5 Amp	1	DMC Panel
405526	Fuse 4 Amp	2	DMC Panel
405593	Fuse 5 Amp	2	PCC
405590	Fuse 10 Amp	3	PCC
405501	Fuse 2 Amp	5	PCL005
405526	Fuse 4 Amp	1	PCL005