

KOHLER GENERATORS

parts listing for 12.5 KW

(Perkins 4-108 powered)

specification number series 9610

parts section 39

INTRODUCTION

This manual contains a complete listing of service replacement parts for 12.5 KW Generator Sets with specification series code 9610. These use Perkins Model 4-108 Engines. The manual includes the following main sections in the sequence listed.

1. *Specification Number Index*: Listing of generator set spec numbers arranged in numerical sequence on each page. Group variation numbers are listed in the horizontal line to the right of each spec number.

2. *Group Parts Lists*: Indicates specific parts for each specification.

GROUP VARIATION NUMBER: There may be various groupings of parts designed to provide the same function, however, with minor differences. Each of these differences necessitates the assignment of a group variation number. Example, dry air cleaner or oil bath air cleaner -both perform the same function, however, use different parts.

PART NUMBER: The part number is the number by which an individual piece part of a generator set is identified and ordered.

NUMBER SIGNIFICANCE

There are various numbers which must be used in determining how to identify a part number. The significance of each of these numbers is explained as follows:

SPECIFICATION NUMBER: The generator set specification number, which is found on the nameplate attached to the frame of the generator, indicates model variation or the combination of groups used to build that particular generator set. The spec number is, in effect, a coded number. The first three digits, which are the code designation for generator size and engine model, remain constant in this series while the remaining digits in the spec number are issued in numerical sequence. When the sequential number reaches 99, the next number will be 100, for example: 14599 is followed by 145100-note that the spec number goes from a 5 digit to a 6 digit number in this example.

GROUP NUMBER: The group consists of related parts needed to provide one or more related functions.

HOW TO FIND PART NUMBERS

Following is a step-by step procedure to be used in identifying and ordering a specific part.

Item to be ordered: *ROTOR ASSEMBLY*

STEP 1: Record the *Generator Set* specification number from the nameplate on the generator frame. (Sample: 961005C)

STEP 2: In the Specification Number Index, find specification 961005C in the left-hand vertical column. Under Group 201 - Generator and Mounting column, locate the variation number assigned to specification 961005C. The variation number is 203.

STEP 3: Turn to part Group 201 - Generator and Mounting. Locate the Rotor with the proper variation number.

NOTE: *Quantities greater than one are shown in brackets behind part description.*

	AIR INTAKE	FUEL SYSTEM	COOLING SYSTEM	ENGINE	LOW OIL PRESSURE	SKID AND MOUNTING	HIGH WATER TEMPERATURE	STARTER	ALTERNATOR	EXHAUST SYSTEM	GENERATOR AND MOUNTING	CONTROLLER AND MOUNTING
GROUP NO.	101	103	104	105	108	109	110	112	113	116	201	301
PAGE NO.	3	3	3	4	4	5	5	5	5	5	5	6
SPEC NO.												
961001C	10	4	23	16	5	11	8	6			200	150
961002C	10	4	23	16	5	11	9	6			200	150
961003C	11	5	24	17	6	12	10	7	3		201	151
961004C	12	4	26	18	5	14	11	6			202	152
961005C	14	6	29	16	5	15	11	6			203	153
961006C	14	6	30	16	5	16	11	6		2	204	156
961007C	16	9	31	16	5	17	11	8		2	205	164
961008C	15	8	30	16	5	16	11	8		2	204	169
961009C	15	9	30	16	5	16	11	8		2	206	170
961010C	15	9	30	16	5	16	11	8		2	206	171

Air Intake, Group 101

Hose, molded	X-635-10 10, 14
Hose, molded	X-635-11 12
Hose, molded	X-635-12 15
Coupling, sleeve (2)	A-793 10, 12, 14
Cleaner, air	247075 10, 12, 14, 15
Cleaner, air	259059 11
Elbow, air cleaner	259173 10, 12, 14, 15, 16
Bracket, air cleaner mounting	259223 10
Bracket, air cleaner mounting	259762 14
Bracket, air cleaner (circular)	271327 10, 12, 14, 15
Washer (3)	259253 10, 12, 14
Fitting, banjo	259254 10, 12, 14
Bolt, banjo connection	259255 10, 12, 14
Heater, induction	259256 10, 12, 14
Valve, non-return	259257 10, 12, 14
Cap, inlet	275826 10, 12, 14, 15
Switch, vacuum	287387 10, 12

Fuel System, Group 103

Elbow, compression (2)	A-822 4, 5, 6, 8, 9
Spring	235496 4, 5, 6, 8, 9
Ball, joint	241074 4, 5, 6, 8, 9
Bushing, rubber	243035 4, 5
Plate, fuel block	259011 4, 5, 6, 8, 9
Line, block to pump	259012 4, 5, 6, 8, 9
Bracket, spring	259018 4, 5, 6, 8, 9
Bracket, solenoid mounting	259071 4, 5
Bracket, solenoid mounting	259394 6
Bracket, solenoid mounting	259781 8, 9
Bracket	259488 8

Bracket, actuator	259780 8, 9
Rod, solenoid	259072 4, 5, 6
Rod, solenoid	259782 8, 9
Block, fuel	285960 4, 5, 6, 8, 9
Solenoid	286546 4, 5, 6
Solenoid	259432 8, 9
Arm, solenoid	286546 4, 5, 6
Spacer (2)	259393 6, 8
Switch, limit	259395 6, 8

Cooling System, Group 104

Gasket, housing	259027 23, 26, 29, 30, 31
Housing, thermostat	259222 23, 26, 29, 30, 31
Tube	259227 23, 29, 30
Tube, water (radiator)	259246 29
Tube, water	259478 30
Tubing, radiator to pump	259015 24
Bracket, tube mounting (radiator)	259247 29
Grill, radiator	258020 24
Radiator	A-259005 24
Radiator	A-269491 30
Radiator	A-258504 29, 31
Support, radiator	259006 24
Support, radiator (RH)	259948 31
Support, radiator (LH)	259949 31
Brace, radiator (RH)	259243 29
Brace, radiator (LH)	259244 29
Support, radiator	259245 29
Support, radiator (LH)	259472 30
Support, radiator (RH)	259992 30
Brace, radiator (LH)	259470 30

Group 104 Continued

Brace, radiator (RH)	259968	Bracket, pulley support	259141
	30		16, 18
Shroud, radiator	259007	Bracket, lifting eye	259191
	24		16
Shroud, radiator	259950	Bracket, fan guard top	259338
	31		18
Guard, fan	259289	Bracket, fan guard lower	259339
	24		18
Guard, fan (RH)	259951	Bracket, fan guard side	259341
	31		18
Guard, fan (LH)	259952	Gasket, exhaust	259023
	31		16, 18
Guard, fan (LH)	259378	Gasket, manifold (2)	259187
	29		16, 17, 18
Guard, fan (RH)	259379	Gasket, flange (2)	259010
	29		17
Guard, fan (LH)	259468	Flange, exhaust	259024
	30		16, 18
Guard, fan (RH)	259469	Pulley - assembly	A-259140
	30		16, 18
Fan	259194	Bearing, ball	241435
	24		16, 18
Fan	259402	Spacer, idler	241436
	31		16, 18
Fan	259380	Lifting, eye	259190
	29, 30		16
Bracket, fan mounting	259242	Manifold, water cooled	259196
	29		16, 18
Bracket, fan mounting	259474	Manifold, exhaust	259195
	30		17
Spacer, fan	259197	Belt, cog	259241
	24, 31		16, 18
Spacer, fan	259386	Adapter, oil drain	259296
	29, 30		16
Belt, fan	259241	Spacer (2)	265693
	24		16, 18
Pad, isolation (2)	285124	Flange, exhaust	259009
	24		17
Hose, molded	X-757-7	Plate, exhaust manifold	259198
	29, 31		17
Hose, molded	X-600-1	Harness, wiring	259292
	30		17
Adapter, water hose (3.1" long)	259491	Guard, belt	259340
	31		18
Adapter, water hose (3.8" long)	259492		
	31		
Valve, drain	X-256-3		
	29, 30		
Hub, steel	259238		
	29, 30		
Bushing	259329		
	29, 30		
Plate (.88 x 2.12)	259252		
	29, 30		
Motor, electric	259317		
	29, 30		

Oil Pressure Gauge & Switch, Group 108

Block, oil	267548
	5
Switch, low oil	271662
	5
Switch, low oil	240978
	6
Block, oil	258060
	6
Gauge, oil pressure	289119
	6

Engine, Group 105

Bracket, pulley	241353
	16, 18

Skid & Plant Mounting, Group 109

Lug, ground	X-377-11 11, 12, 15, 16, 17
Spacer 2-7/8" long (4)	X-400-84 11, 14, 15, 16, 17
Mount, tee (4)	237451 11, 14, 15, 16, 17
Mount, cup (4)	237452 11, 14, 15, 16, 17
Mount, vibro (4)	243833 11
Damper, vibro (4)	244210 12
Support, engine	259004 11, 12, 14, 15
Support, engine	259953 16, 17
Spring, compression (4)	259193 11, 14, 15, 16, 17
Bracket, mounting (2)	259277 11, 14, 15, 16, 17
Bracket, mounting	259337 14
Bracket, mounting	259404 15, 16, 17
Skid	259278 11, 15
Skid	259294 12
Tray	259321 11
Strap, ground	287363 11, 15, 16, 17
Strap, ground	266581 12
Adapter, oil drain	259295 12
Base	259460 15
Base	259476 16
Base	259500 17

Temperature Switch, Group 110

Switch (190°F)	240977 8
Switch (225°F)	241308 8, 9, 11
Switch	259318 9
Switch (205°F)	240976 10

Starter, Group 112

Starter	A-259111 6, 7, 8
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Spacer	259112 6, 7, 8
Stud (3)	259113 6, 7, 8
Solenoid — Assembly	A-259487
Relay	233442
Bracket, mounting	259373 8

Alternator, Group 113

Guard	259288 3
Connector	259290 3
Bracket, alternator	269310 3
Arm, adjusting	269311 3
Fan	285896 3
Pulley	290549 3
Alternator	A-291133 3

Exhaust System, Group 116

Muffler	150201 2
Bushing, reducer (2)	153016 2
Bracket, mounting	259406 2
Clamp	288827 2

Generator & Mounting, Group 201

Rotor	C-238687 200, 202, 203, 204 205, 206
Rotor	B-269313 201
Bearing, ball	X-758-1 200, 201, 202, 203, 204, 205, 206
Ring, Collector	238134 200, 201, 202, 203, 204, 205, 206
Fan	238204 200, 201, 202, 203, 204, 205, 206
Stator	238690 200, 202
Stator	269309 201
Stator	259424 203, 204, 205, 206

Group 201 Continued

Shaft, extension	238691 200, 201, 202, 203, 204, 205, 206
Bolt, thru	238692 200, 201, 202, 203, 204, 205, 206
Bolt, over (4)	238693 200, 201, 202, 203, 204, 205, 206
Disc (3)	259017 200, 201, 202, 203, 204, 205, 206
Guard, fan	259259 200, 202, 203, 204, 205, 206
Guard, fan	259225 205, 206
Adapter, Generator	269239 201
Adapter, generator	259998 205, 206
Adapter, generator	259272 200, 202, 203, 204
Ring, adapter	259273 200, 202, 203, 204, 205, 206
Panel, louver	259280 200, 202, 203, 204, 205, 206
End bracket, assy.	A-259279 200
End bracket, assy.	A-269355 201
End bracket, assy.	A-259304 202
End bracket, assy.	A-259425 203
End bracket, assy.	A-259479 204
End bracket, assy.	B-259494 205
End bracket, assy.	B-259986 206
Regulator, voltage	287978 200, 202
Regulator, voltage	259489 203, 204, 205, 206
Spring (2)	238150 200, 201, 202, 203, 204, 205, 206
Ring, tolerance	238211 200, 201, 202, 203, 204, 205, 206
Shim, brush holder	238248 200, 201, 202, 204, 205, 206
Brush (2)	238633 200, 201, 202, 203, 204, 205, 206

Bracket, brush holder	259275 200, 201, 202, 203, 204, 205, 206
Bracket, voltage reg. mtg.	259457 202, 203, 204, 205, 206
Bracket, voltage reg. mtg.	259274 200
Bracket, end	259276 200, 202, 203, 204, 205, 206
Bracket, end	269238 201
Holder, brush	269397 200, 202, 203, 204, 205, 206
Holder, brush	269358 201
Cover, generator	269240 201
Panel, louver	269241 201
Panel, side (2)	269303 201
Plate, closure (2)	269306 201
Washer, hardened (4)	X-801-3 206

Controller and Mounting, Group 301

Controller	A-259268 150
Controller	A-269242 151
Controller	A-259303 152
Controller	A-259400 153
Controller	A-259480 156
Controller	A-259497 164
Controller	A-259972 169
Controller	A-259983 170
Controller	A-259383 171
Harness, wiring	A-259283 150
Harness, wiring	A-259343 152
Harness, wiring	A-259405 153, 156
Harness, wiring	A-259493 164
Harness, wiring	A-259975 169
Harness, wiring	A-259985 170

Group 301 Continued

Harness, wiring	A-259713 171	Rectifier	283741 151
Harness, wiring (controller top connection plug)	259345 152	Strip, terminal (16 term.)	241621 150
Harness, wiring (controller bottom connection socket)	259346 152	Strip, terminal (1 term.)	259659 153, 156, 164, 169, 170, 171
Harness, wiring	269364 151	Strip, terminal	269360 151
Harness, wiring	269365 151	Strip, terminal (14 term.)	269244 151, 153, 156, 164, 169, 170, 171
Resistor, 3 ohm	259291 151	Switch, toggle (remote/off/test)	241911 150, 152
Resistor, R4	243307 150, 152, 153, 156, 169	Switch, thermal 1TS	243026 150, 152, 153, 156, 169
Resistor, 3 ohm	242698 150, 152, 153, 156	Switch, solenoid	248846 150, 152
Resistor, 10 ohm	X-473-10 151	Switch, toggle (preheat)	268042 150, 152, 153, 156, 164, 169, 170, 171
Diode	241739 153, 156, 164, 169, 170, 171	Switch, toggle	283375 151
Mount, vibration (4)	243833 152, 153, 156, 164, 169, 170, 171	Switch, thermal 1TS	269397 151
Bracket, controller	259302 152	Switch (pointer knob)	284482 151
Bracket, controller	259342 152	Switch, toggle (start/stop)	243305 153, 156, 164, 169, 170, 171
Bracket, controller	259499 164	Transformer	241626 150, 152, 153, 156
Washer, resistor (2)	X-364-2 150, 152, 153, 156	Ammeter	245377 150, 153, 156, 169
Washer, insulating (3)	243321 150, 151, 152, 153, 156, 159	Relay 1CR, 3CR, 4CR (3)	248362 150
Breaker, circuit (60 amp. 2 pole)	X-506-19 150, 152	Relay 2CR	269221 150, 151, 152, 153, 156, 164, 169, 170, 171
Breaker, circuit (8 amp.)	259459 153, 156	Relay C, 2CR (2)	259391 153, 156, 169
Breaker, circuit (60 amp. 2 pole)	X-506-20 164	Relay C, 1CR, 2CR (3)	259391 164, 170, 171
Breaker, circuit assy.	A-259971 164	Relay (2)	248362 151, 152
Breaker, circuit assy.	A-259982 170	Relay	269222 151
Strap, ground	223033 150	Box, controller	259266 150
Fuse, 10 amp.	223316 150, 152, 153, 156, 164, 169, 170, 171	Box, controller	259306 152
Fuse, 15 amp.	243929 151	Box, controller	259397 153, 156
Holder, fuse	238426 150, 152, 153, 156, 164, 169, 170, 171	Box, controller	259980 164, 170, 171
Holder, fuse	287787 151	Box, controller	259976 164
Rectifier, bridge	241610 150, 152, 153, 156		

Bracket, relay

269240

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Insulator, switch

265940

150, 152, 153, 156,

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