

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
961011C	16	9	31	16	5	17	11	10		2	209	172
961012C	15	9	30	16	5	16	11	10		2	208	173
961013C	17	9	32	21	7	18	11	9			207	172
961014C	16	9	33	22	5	19	11	8			211	175
961015C	18	10	34	23	5	20	11	10		3	210	174

Air Intake, Group 101

Hose, molded	X-635-2 18
Hose, molded	X-635-10 10, 14
Hose, molded	X-635-11 12
Hose, molded	X-635-12 15
Hose, molded	259176 17
Coupling, sleeve (2)	A-793 10, 12, 14
Cleaner, air	247075 10, 12, 14
Cleaner, air	259059 11
Cleaner, air	258562 15, 17
Elbow, air cleaner	259173 10, 12, 14, 15, 16, 17, 18
Bracket, air cleaner mounting	259223 10
Bracket, air cleaner mounting	259762 14
Bracket, air cleaner	258596 18
Bracket, air cleaner mounting	258564 15, 17, 18
Bracket, air cleaner (circular)	271327 10, 12, 14
Bracket, air cleaner	258567 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
Cap, air cleaner	258563 15, 17, 18
Switch, vacuum	287387 10, 12

Fuel System, Group 103

Elbow, compression (2)	A-822 4, 5, 6, 8, 9, 10
Spring	235496 4, 5, 6, 8, 9, 10
Ball, joint	241074 4, 5, 6, 8, 9
Bushing, rubber	243035 4, 5

Plate, fuel block	259011 4, 5, 6, 8, 9, 10
Line, block to pump	259012 4, 5, 6, 8, 9, 10
Line, fuel	259809 10
Bracket, spring	259018 4, 5, 6, 8, 9, 10
Bracket, solenoid mounting	259071 4, 5
Bracket, solenoid mounting	259394 (Discont'd) 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, 10
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, 32, 33
Housing, thermostat	259222 23, 26, 29, 30, 31, 32, 33
Housing, thermostat	259200 32, 33
Tube	259227 23, 29, 30
Tube, water (radiator)	259246 29
Tube, water	259478 30, 34
Tube, water	258603 34
Tubing, radiator to pump	259015 24
Hose, upper radiator	265022 34
Bracket, tube mounting (radiator)	259247 29

Group 104 Continued

Grill, radiator	258020	Fan	259380
	24		29, 30
Radiator	A-259005	Fan	258592
	24		34
Radiator	A-269491	Bracket, fan mounting	259242
	30		29
Radiator	A-258504	Bracket, fan mounting	259474
	29, 31		30
Radiator	A-258591	Bracket, motor mounting	258597
	34		34
Support, radiator	259006	Spacer, fan	259197
	24		24, 31
Support, radiator (RH)	259948	Spacer, fan	259386
	31, 33		29, 30
Support, radiator (LH)	259949	Belt, fan	259241
	31, 33		24
Brace, radiator (RH)	259243	Shroud, fan	258600
	29		34
Brace, radiator (LH)	259244	Pad, isolation (2)	291672
	29		24
Support, radiator	259245	Elbow, hose	X-693-8
	29		34
Support, radiator (LH)	259472	Hose, molded	X-757-7
	30		29, 31
Support, radiator (RH)	259992	Hose, molded	X-528-13
	30		34
Brace, radiator (LH)	259470	Hose, molded	X-600-1
	30		30, 34
Brace, radiator (RH)	259968	Clamp, hose (2)	X-426-4
	30		34
Bracket	258589	Clamp, hose (2)	X-426-8
	34		34
Shroud, radiator	259007	Bracket, belt guard	258613
	24		33
Shroud, radiator	259950	Bracket, belt guard (RH)	259338
	31		33
Bracket, radiator	258390	Bracket belt guard (LH)	259341
	34		33
Bracket, radiator	258604	Adapter, water hose (3.1" long)	259491
	34		31
Guard, fan	259289 (Discont'd)	Adapter, water hose (3.8" long)	259492
	24		31
Guard, fan	258599	Elbow, street	X-555-1
	34		34
Guard, fan (RH)	259951	Valve, drain	X-256-3
	31		29, 30, 34
Guard, fan (LH)	259952	Hub, steel	259238
	31		29, 30, 34
Guard, fan (LH)	259378	Bushing	259239
	29		34
Guard, fan (RH)	259379	Bushing	259329 (Discont'd)
	29		29, 30
Guard, fan (LH)	259468	Plate (.88 x 2.12)	259252
	30		29, 30
Guard, fan (RH)	259469	Motor, electric	259317
	30		29, 30, 34
Guard, belt	259340	Engine, Group 105	
	33	Bracket, pulley	241353
Fan	259194		16, 18, 21, 22, 23
	24	Bracket, pulley support	259141
Fan	259402		16, 18, 21, 22, 23
	31		

Group 105 Continued

Bracket, lifting eye	259191 16, 21, 22, 23
Bracket, fan guard top	259338 18, 21
Bracket, fan guard lower	259339 18, 21
Bracket, fan guard side	259341 18, 21
Gasket, exhaust	259023 16, 18, 21
Gasket, exhaust	258579 22
Gasket, manifold (2)	259187 16, 17, 18, 21, 22
Gasket, flange (2)	259010 17
Flange, exhaust	259024 16, 18, 21
Pulley - assembly	A-259140 16, 18, 21, 22
Pulley - assembly	A-258606 23
Bearing, ball	241435 16, 18, 22, 23
Spacer, idler	241436 16, 18, 22, 23
Lifting, eye	259190 16, 21, 22, 23
Manifold, water cooled	259196 16, 18, 21
Manifold, exhaust	259195 17
Manifold, exhaust	258574 22
Belt, cog	259241 16, 18, 21
Belt-V	259241 22
Belt-V	258607 23
Adapter, oil drain	259296 16, 22
Adapter, oil drain	259595 21
Spacer (2)	265693 16, 18, 21, 22, 23
Flange, exhaust	259009 17
Adapter, exhaust flange	258575 22
Plate, exhaust manifold	259198 17
Harness, wiring	259292 (Discont'd) 17
Guard, belt	259340 18, 21
Dipstick	259041 21
Hose, oil	X-577-8 23

Tube, dipstick	259044 21
Strap, ground	248306 23

Oil Pressure Gauge & Switch, Group 108

Block, oil	267548 5, 7
Switch, low oil	271662 5, 7
Switch, low oil	240978 6
Block, oil	258060 6
Gauge, oil pressure	289119 6, 7

Skid & Plant Mounting, Group 109

Lug, ground	X-377-11 11, 12, 15, 16, 17, 18, 19
Spacer 2-7/8" long (A.R.)	X-400-84 11, 14, 15, 16, 17, 18, 19
Spacer 3" long (2)	X-400-82 20
Mount, tee (4)	237451 11, 14, 15, 16, 17, 18, 19
Mount, cup (4)	237452 11, 14, 15, 16, 17, 18, 19
Mount, vibro (4)	243833 11
Mount, vibro (2)	258594 20
Mount, vibro (2)	258595 20
Damper, vibro (4)	244210 12
Support, engine	259004 11, 12, 14, 15, 18
Support, engine	259953 16, 17, 19
Spring, compression (4)	259193 11, 14, 15, 16, 17, 18, 19
Bracket, mounting (2)	259277 11, 14, 15, 16, 17, 18, 19
Bracket, mounting	259337 14
Bracket, mounting	259404 15, 16, 17, 19
Bracket, engine mtg. - front	258593 20
Bracket, mounting (RH)	258601 20
Bracket, mounting (LH)	258602 20

Group 109 Continued

Skid	259278
	11, 15
Skid	259294 (Discont'd)
	12
Skid, drip pan	258199
	18
Tray	259321
	11
Strap, ground	287363
	11, 15, 16, 17, 18,
	19
Strap, ground	266581
	12
Adapter, oil drain	259295
	12
Base	259460 (Discont'd)
	15
Base	258588
	20
Base	259476
	16
Base	259500
	17
Base	258573
	19

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	B-259111
	6, 7, 8, 9, 10
Spacer	259112
	6, 7, 8, 9, 10
Stud (3)	259113
	6, 7, 8, 9, 10
Solenoid Assembly	A-258566
	9
Solenoid Assembly	A-259487
	10
Solenoid — Assembly	A-259487
Relay	233442
Bracket, mounting	259373
	8

Alternator, Group 113

Guard	259288 (Discont'd)
	3
Connector	259290 (Discont'd)
	3

Bracket, alternator	269310 (Discont'd)
	3
Arm, adjusting	269311 (Discont'd)
	3
Fan	285896
	3
Pulley	290549
	3
Alternator	A-291887
	3

Exhaust System, Group 116

Muffler	150201
	2
Bushing, reducer (2)	153016
	2
Bracket, mounting	259406
	2
Clamp	288827
	2
Gasket, exhaust	258579
	3
Tube, exhaust	258585
	3

Generator & Mounting, Group 201

Rotor	C-238687
	200, 202, 203, 204
	205, 206
Rotor	A-258394
	207, 208
Rotor	B-269313
	201
Rotor	A-258569
	209, 210, 211
Bearing, ball	X-758-1
	200, 201, 202, 203,
	204, 205, 206, 207,
	208, 209, 210, 211
Ring, collector	238134
	200, 201, 202, 203,
	204, 205, 206, 207
	208, 209, 210, 211
Fan	238204
	200, 201, 202, 203,
	204, 205, 206, 207
	208, 209, 210, 211
Stator	238690 (Discont'd)
	200, 202
Stator	258393
	207, 208, 209, 210,
	211
Spring (2)	238150
	200, 201, 202, 203,
	204, 205, 206, 207
	208, 209, 210, 211
Ring, tolerance	238211
	200, 201, 202, 203,
	204, 205, 206, 207
	208, 209, 210, 211

Group 201 Continued

Stator	259930 201	Regulator, voltage	287978 200, 202
Stator	259424 203, 204, 205, 206	Regulator, voltage	259489 203, 204, 205, 206
Shaft, extension	238691 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211	Regulator assy.	A-239311 207, 208, 209, 210, 211
Bolt, thru	238692 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211	Shim, brush holder	238248 200, 201, 202, 204, 205, 206, 207, 208, 209, 210, 211
Bolt, over (4)	250614 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211	Brush (2)	238633 200, 201, 202, 203, 204, 205, 206
Disc (3)	259017 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211	Brush (2)	239282 207, 208, 209, 210, 211
Guard, fan	259259 200, 202, 203, 204, 205, 206	Bracket, brush holder	259275 200, 201, 202, 203, 204, 205, 206, 207 208, 209, 210, 211
Guard, fan	259226 205, 206, 207, 208, 209, 210, 211	Bracket, voltage reg. mtg.	259457 202, 203, 204, 205, 206
Adapter, generator	269239 201	Bracket, voltage reg. mtg.	259274 (Discont'd) 200
Adapter, generator	259228 205, 206, 207, 208, 209, 210, 211	Bracket, end	259276 200, 202, 203, 204 205, 206
Adapter, generator	259272 200, 202, 203, 204	Bracket, end	269238 201
Panel, louver	259280 200, 202, 203, 204, 205, 206, 207, 208, 210	Bracket, end	258383 207, 208, 209
Panel, louver	258580 209, 211	Bracket, end	258610 210, 211
End bracket, assy.	A-259279 (Discont'd) 200	Holder, brush	269397 200, 202, 203, 204, 205, 206
End bracket, assy.	B-269355 201	Holder, brush	239247 201, 207, 208, 209, 210, 211
End bracket, assy.	A-259304 202	Cover, generator	269240 201
End bracket, assy.	A-259425 203	Panel, louver	269241 201
End bracket, assy.	A-259479 (Discont'd) 204	Panel, side (2)	269303 201
End bracket, assy.	B-259494 205	Plate, closure (2)	269306 201
End bracket, assy.	A-258395 208	Washer, hardened (4)	X-801-3 206, 207, 208, 209, 210, 211
End bracket, assy.	B-259986 206	Fuse	258405 207, 208, 209, 210, 211
End bracket, assy.	A-258396 207, 209	Holder, fuse	269216 207, 208, 209, 210, 211
End bracket, assy.	A-258611 210		
End bracket, assy.	A-258615 211		

Controller and Mounting, Group 301

Controller	A-258616 175	Resistor, R4	243307 150, 152, 153, 156, 169
Controller	A-258398 173	Resistor, 3 ohm	242698 150, 152, 153, 156
Controller	A-259268 150	Resistor, 10 ohm	X-473-2 151
Controller	A-269242 (Discont'd) 151	Diode (A.R.)	241739 153, 156, 164, 169, 170, 171, 172, 173, 174, 175
Controller	A-259303 152	Mount, vibration (4)	243833 152, 153, 156, 164, 169, 170, 171, 172, 173, 175
Controller	A-259400 153	Mount, controller (4)	241769 174, 175
Controller	A-259480 156	Bracket, controller	259302 152
Controller	B-259497 (Discont'd) 164	Bracket, controller	259342 152
Controller	A-259972 (Discont'd) 169	Bracket, controller	259499 164, 172
Controller	A-259983 170	Bracket, controller mtg.	258618 175
Controller	A-259383 (Discont'd) 171	Washer, resistor (2)	X-364-2 150, 152, 153, 156
Controller	A-258400 172	Washer, insulating (3)	243321 150, 151, 152, 153, 156, 159
Controller	A-258584 174	Bushing	X-634-15 175
Harness, wiring	A-259283 150	Breaker, circuit (60 amp. 2 pole)	X-506-19 150, 152
Harness, wiring	A-259343 152	Breaker, circuit (8 amp.)	259459 153, 156
Harness, wiring	A-259405 (Discont'd) 153, 156	Breaker, circuit (60 amp. 2 pole)	X-506-20 164, 172
Harness, wiring	A-259493 164, 172	Breaker, circuit assy.	A-259971 164
Harness, wiring	A-259975 (Discont'd) 169	Breaker, circuit assy.	A-259982 170
Harness, wiring	A-259985 170	Strap, ground	223033 150
Harness, wiring	A-258397 173	Fuse, 10 amp.	223316 150, 152, 153, 156, 164, 169, 170, 171, 172, 173, 174, 175
Harness, wiring	A-259713 (Discont'd) 171	Fuse, 15 amp.	243929 151
Harness, wiring (controller top connection plug)	259345 152	Holder, fuse	238426 150, 151, 152, 153, 156, 164, 169, 170, 171, 172, 173, 174, 175
Harness, wiring (controller bottom connection socket)	259346 152	Rectifier, bridge	241610 150, 152, 153, 156
Harness, wiring	269364 (Discont'd) 151	Rectifier	283741 151
Harness, wiring	269365 (Discont'd) 151		
Harness, wiring	258609 174		
Harness, wiring	258619 175		
Resistor, 3 ohm	259291 (Discont'd) 151		

Group 301 Continued

Strip, terminal (16 term.)	241621 150	Box, controller	269243 (Discont'd) 151
Strip, terminal (1 term.)	259659 153, 156, 164, 169, 170, 171, 172, 173	Box, controller	258582 174, 175
Strip, terminal	269360 (Discont'd) 151	Cover, controller	259270 150
Strip, terminal (14 term.)	269244 151, 153, 156, 164, 169, 170, 171, 172, 173, 174, 175	Cover, controller	259307 152
Switch, toggle (remote/off/test)	241911 150, 152	Cover, controller	259398 153, 156, 164, 169, 170, 171, 172, 173
Switch, thermal 1TS	243026 150, 152, 153, 156, 169	Cover, controller	259399 153, 156, 169
Switch, solenoid	248846 150, 152	Cover, controller	259495 164, 170, 171, 172, 173
Switch, toggle (preheat)	268042 150, 152, 153, 156, 164, 169, 170, 171, 172, 173, 174, 175	Cover, controller	258583 174, 175
Switch, toggle	283375 151	Bracket, relay	269245 (Discont'd) 151
Switch, thermal 1TS	269397 151	Insulator, switch	265940 150, 152, 153, 156, 169
Switch (pointer knob)	284482 151	Board, circuit	E-269315 151
Switch, toggle (start/stop)	243305 153, 156, 164, 169, 170, 171, 172, 173, 174, 175	Knob, pointer	269356 151
Transformer	241626 150, 152, 153, 156	SCR power package	259490 151
Ammeter	245377 150, 153, 156, 169	Lamp	269373 151
Relay 1CR, 3CR, 4CR (3)	248362 150	Strap, ground	245297 153, 156, 164, 169, 170, 171, 172, 173, 174
Relay 2CR	269221 150, 151, 152, 153, 156, 164, 169, 170, 171, 172, 173, 174, 175	Strap, ground	290418 175
Relay C, 2CR (2)	259391 153, 156, 169, 172, 173	Plate, circuit breaker mtg.	245264 164, 171, 173
Relay C, 1CR, 2CR (3)	259391 164, 170, 171, 174, 175	Ring, lock (2)	151511 174, 175
Relay (2)	248362 151, 152	Bracket	265348 174, 175
Relay	269222 151		
Box, controller	259266 150		
Box, controller	259306 152		
Box, controller	259397 153, 156		
Box, controller	259980 164, 170, 171, 172, 173		
Box, controller	259976 (Discont'd) 164		