SEBM015A0205

SHOP MANUAL

KOMATSU®

D135A-2

MACHINE MODEL SERIAL No.

D135A-2 **10301 and up**

- This shop manual may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.

- D135A-2 mount the S6D140-1 engine.
  For details of the engine, see the 6D140-1 Series Engine Shop Manual.

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Temperature

Fahrenheit-Centigrade Conversion. —A simple way to convert a Fahrenheit temperture reading into a Centigrade temperature reading or vice versa is to enter the accompanying table in the center or boldface column of figures. These figures refer to the temperature in either Fahrenheit or Centigrade degrees.

If it is desired to convert from Fahrenheit to Centigrade degrees, consider the center column as a table of Fahrenheit temperatures and read the corresponding Centigrade temperature in the column at the left.

If it is desired to convert from Centigrade to Fahrenheit degrees, consider the center column as a table of Centigrade values, and read the corresponding Fahrenheit temperature on the right.

°C		°F	°C		°F	°C		°F	°C		°F
-40.4	-40	-40.0	-11.7	11	51.8	7.8	46	114.8	27.2	81	117.8
-37.2	-35	-31.0	-11.1	12	53.6	8.3	47	116.6	27.8	82	179.6
-34.4	-30	-22.0	-10.6	13	55.4	8.9	48	118.4	28.3	83	181.4
-31.7	-25	-13.0	-10.0	14	57.2	9.4	49	120.2	28.9	84	183.2
-28.9	-20	-4.0	-9.4	15	59.0	10.0	50	122.0	29.4	85	185.0
-28.3	-19	-2.2	-8.9	16	60.8	10.6	51	123.8	30.0	86	186.8
-27.8	-18	-0.4	-8.3	17	62.6	11.1	52	125.6	30.6	87	188.6
-27.2	-17	1.4	-7.8	18	64.4	11.7	53	127.4	31.1	88	190.4
-26.7	-16	3.2	-7.2	19	66.2	12.2	54	129.2	31.7	89	192.2
-26.1	-15	5.0	-6.7	20	68.0	12.8	55	131.0	32.2	90	194.0
-25.6	-14	6.8	-6.1	21	69.8	13.3	56	132.8	32.8	91	195.8
-25.0	-13	8.6	-5.6	22	71.6	13.9	57	134.6	33.3	92	197.6
-24.4	-12	10.4	-5.0	23	73.4	14.4	58	136.4	33.9	93	199.4
-23.9	-11	12.2	-4.4	24	75.2	15.0	59	138.2	34.4	94	201.2
-23.3	-10	14.0	-3.9	25	77.0	15.6	60	140.0	35.0	95	203.0
-22.8	-9	15.8	-3.3	26	78.8	16.1	61	141.8	35.6	96	204.8
-22.2	-8	17.6	-2.8	27	80.6	16.7	62	143.6	36.1	97	206.6
-21.7	-7	19.4	-2.2	28	82.4	17.2	63	145.4	36.7	98	208.4
-21.1	-6	21.2	-1.7	29	84.2	17.8	64	147.2	37.2	99	210.2
-20.6	-5	23.0	-1.1	30	86.0	18.3	65	149.0	37.8	100	212.0
-20.0	-4	24.8	-0.6	31	87.8	18.9	66	150.8	40.6	105	221.0
-19.4	-3	26.6	0	32	89.6	19.4	67	152.6	43.3	110	230.0
-18.9	-2	28.4	0.6	33	91.4	20.0	68	154.4	46.1	115	239.0
-18.3	-1	30.2	1.1	34	93.2	20.6	69	156.2	48.9	120	248.0
-17.8	0	32.0	1.7	35	95.0	21.1	70	158.0	51.7	125	257.0
-17.2	1	33.8	2.2	36	96.8	21.7	71	159.8	54.4	130	266.0
-16.7	2	35.6	2.8	37	98.6	22.2	72	161.6	57.2	135	275.0
-16.1	3	37.4	3.3	38	100.4	22.8	73	163.4	60.0	140	284.0
-15.6	4	39.2	3.9	39	102.2	23.3	74	165.2	62.7	145	293.0
-15.0	5	41.0	4.4	40	104.0	23.9	75	167.0	65.6	150	302.0
-14.4	6	42.8	5.0	41	105.8	24.4	76	168.8	68.3	155	311.0
-13.9	7	44.6	5.6	42	107.6	25.0	77	170.6	71.1	160	320.0
-13.3	8	46.4	6.1	43	109.4	25.6	78	172.4	73.9	165	329.0
-12.8	9	48.2	6.7	44	111.2	26.1	79	174.2	76.7	170	338.0
-12.2	10	50.0	7.2	45	113.0	26.7	80	176.0	79.4	175	341.0

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WEIGHT TABLE

⚠ This weight table is a guide for use when transporting or handling componernts.

Unit: kg

Machine Model	D135A-2
Serial No.	10301 and up
Engine and torque converter assembly	1,885
• Engine assembly	1,575
• Torque converter assembly	230
• PTO assembly	80
Fuel tank assembly	190
TORQFLOW transmission assembly	917
• Control valve assembly	35
Bevel gear shaft and steering clutch assembly	317
• Steering clutch and brake band assembly (each side)	130
• Bevel gear shaft	30
• Bevel gear	27
Steering control valve assembly	12
Final drive case (each side)	174
Sprocket assembly (each side)	300
Steering case and main frame assembly	2,140
• Sprocket shaft (each side)	130
Track group assembly (each side)	3,287
• Track frame (each)	1,205
• Recoil spring assembly (each)	190
• Idler assembly (each)	450
• Track roller assembly (Single flange) (each)	130
• Track roller assembly (Double flange) (each)	140
• Carrier roller assembly (each)	65
Track shoe assembly	4,470
Equalizer bar	260
Hydraulic tank assembly (without ripper)	218
• Blade control valve assembly	39
• Main relief valve assembly	24
Hydraulic tank assembly (with ripper)	262
• Blade control valve assembly	39
• Ripper control valve assembly	57

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Unit: kg

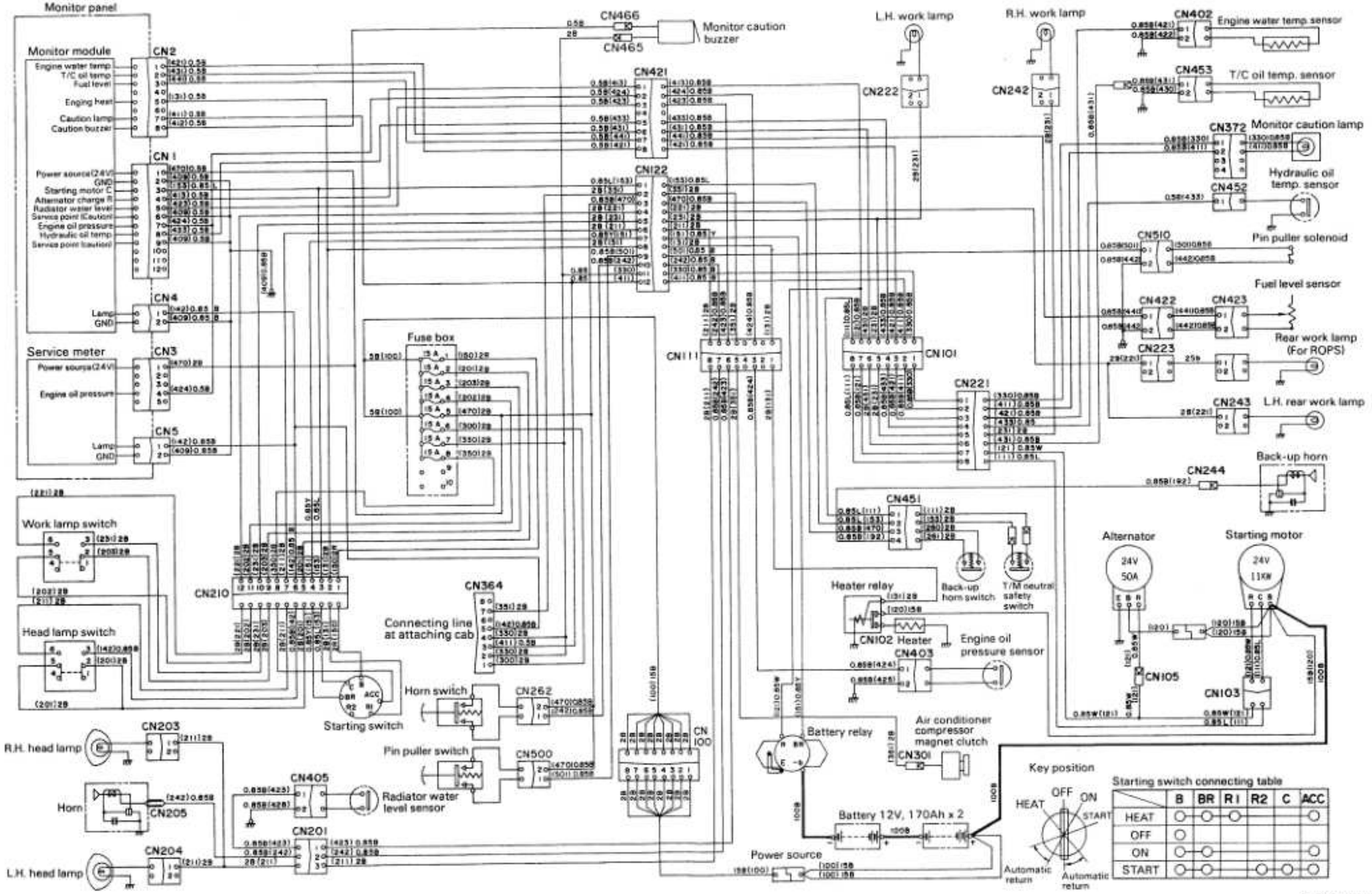
Machine Model	D135A-2
Serial No.	10301 and up
Blade lift cylinder assembly (each)	182
Blade tilt cylinder assembly	174
Ripper lift cylinder assembly (each)	122
Ripper tilt cylinder assembly (each)	117
Straight tiltdozer assembly	3,535
• Blade	2,176
• Straight frame (each)	589
• Tilt cylinder assembly	174
Multiple shank ripper assembly	3,170
• Shank assembly (each)	269
• Lift cylinder assembly (each)	122
• Tilt cylinder assembly (each)	117
Radiator guard and blade lift cylinder assembly	
• Radiator guard	700
• Radiator assembly	442
• Blade lift cylinder assembly (left and right)	364
Engine underguard	150
Transmission underguard	186
Hood	50
Fender (left)	260
Fender (right)	272
Floor frame assembly	350
Cab assembly	460
ROPS assembly	615

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ELECTRICAL CIRCUIT DIAGRAM

CHASSIS ELECTRICAL CIRCUIT



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