Service Manual

Dumper

5001



Machine model	5001
Edition	2.0
Language	English
Article number	1000159455

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2.17 Dimensions model 5001 from AD51001D

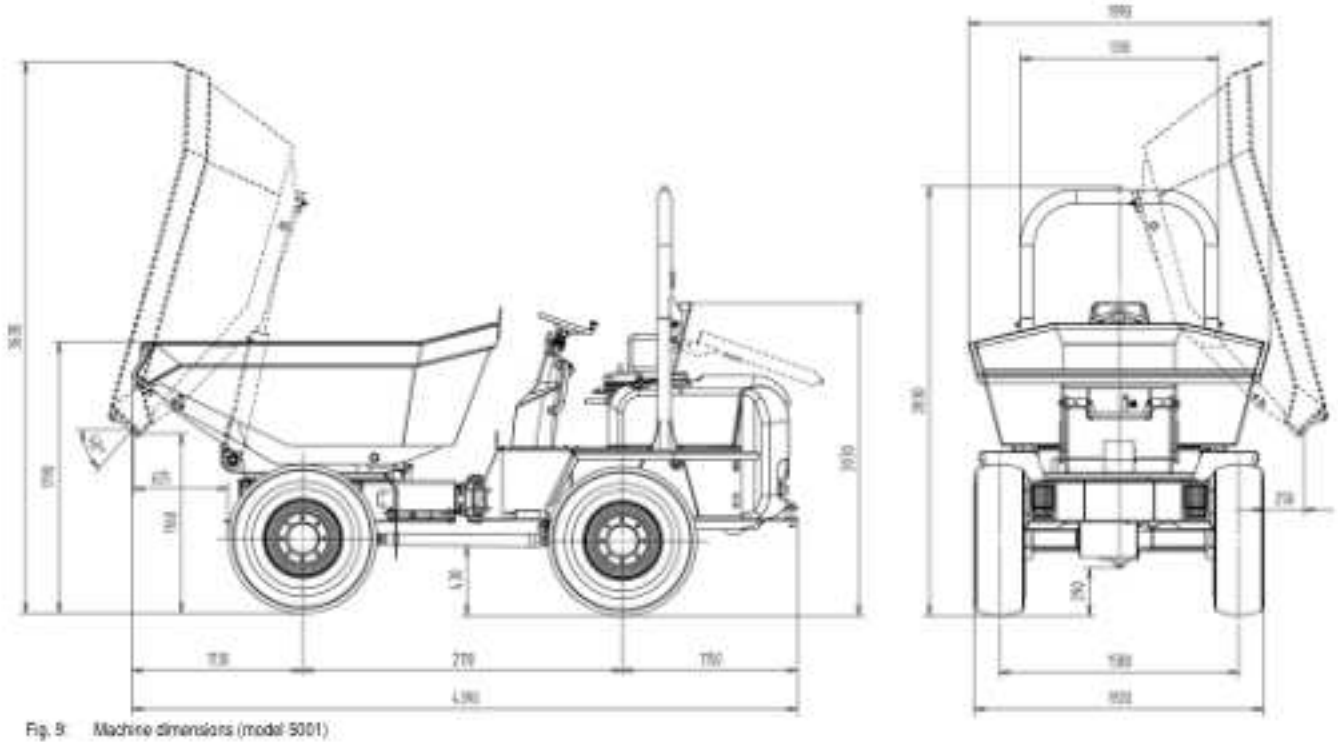


Fig. 9 Machine dimensions (model 5001)

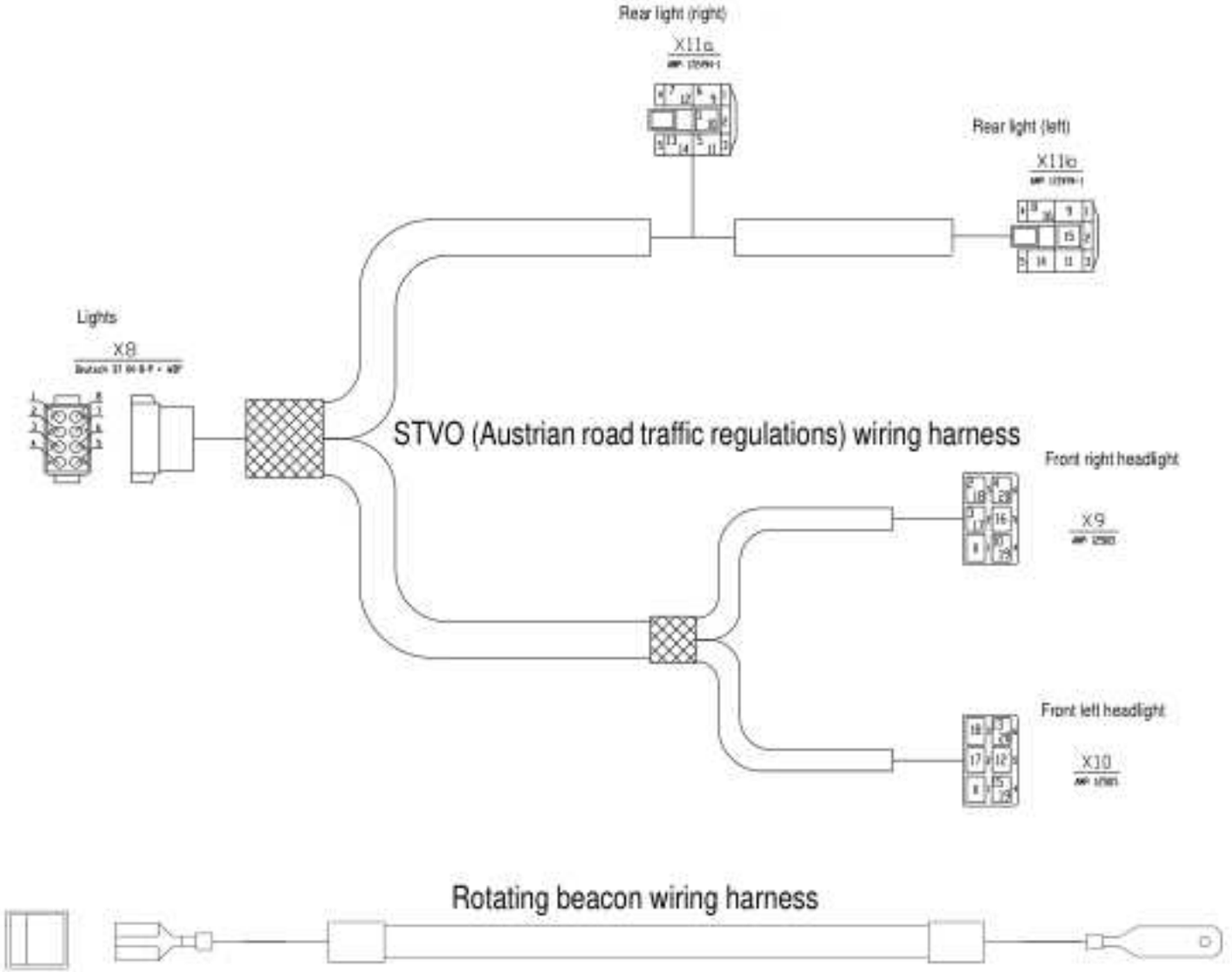
Main data	Model 5001
Dead weight	3250 kg (7165 lbs.)
Overall height	2830 mm (111")
Overall height with rollbar folded down	2030 mm (80")
Overall height without rollbar	2030 mm (80")
Overall width	1990 mm (78")
Ground clearance	290 mm (11")
Wheelbase	2110 mm (83")
Outside turning radius	4425 mm (174")
Hill climbing ability	50 % theoretically
Safe authorised inclination	25 % in all drive positions left/right

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Problem	Possible causes
Engine overheats. Temperature warning system responds	Oil level too low
	Oil level too high
	Wrong SAE viscosity grade of engine lubrication oil
	Dirty air filter
	Defective air filter maintenance switch or gauge
	Dirty oil radiator fins
	Defective fan, torn or loose V-belt
	Defective coolant pump
	Cooling air heats up
	Dirty radiator
	Resistance in cooling system too high, flow capacity too low
	Not enough coolant
	Clogged breather line
	Wrong valve lash
	Defective fuel injector
Insufficient engine output	Oil level too high
	Oil level too low
	Fuel grade does not comply with Operator's Manual
	Dirty fuel filter
	Dirty oil radiator fins
	Resistance in cooling system too high, flow capacity too low
	Dirty air filter
	Defective air filter maintenance switch or gauge
	Defective fan, torn or loose V-belt
	Wrong valve lash
	Injection line leaks
	Defective fuel injector
	Defective exhaust gas recirculation valve
Engine does not run on all cylinders	Injection line leaks
	Defective fuel injection pump
	Defective fuel injector
	Oil level too high
	Fuel grade does not comply with Operator's Manual
	Defective air filter maintenance switch or gauge
	Dirty air filter

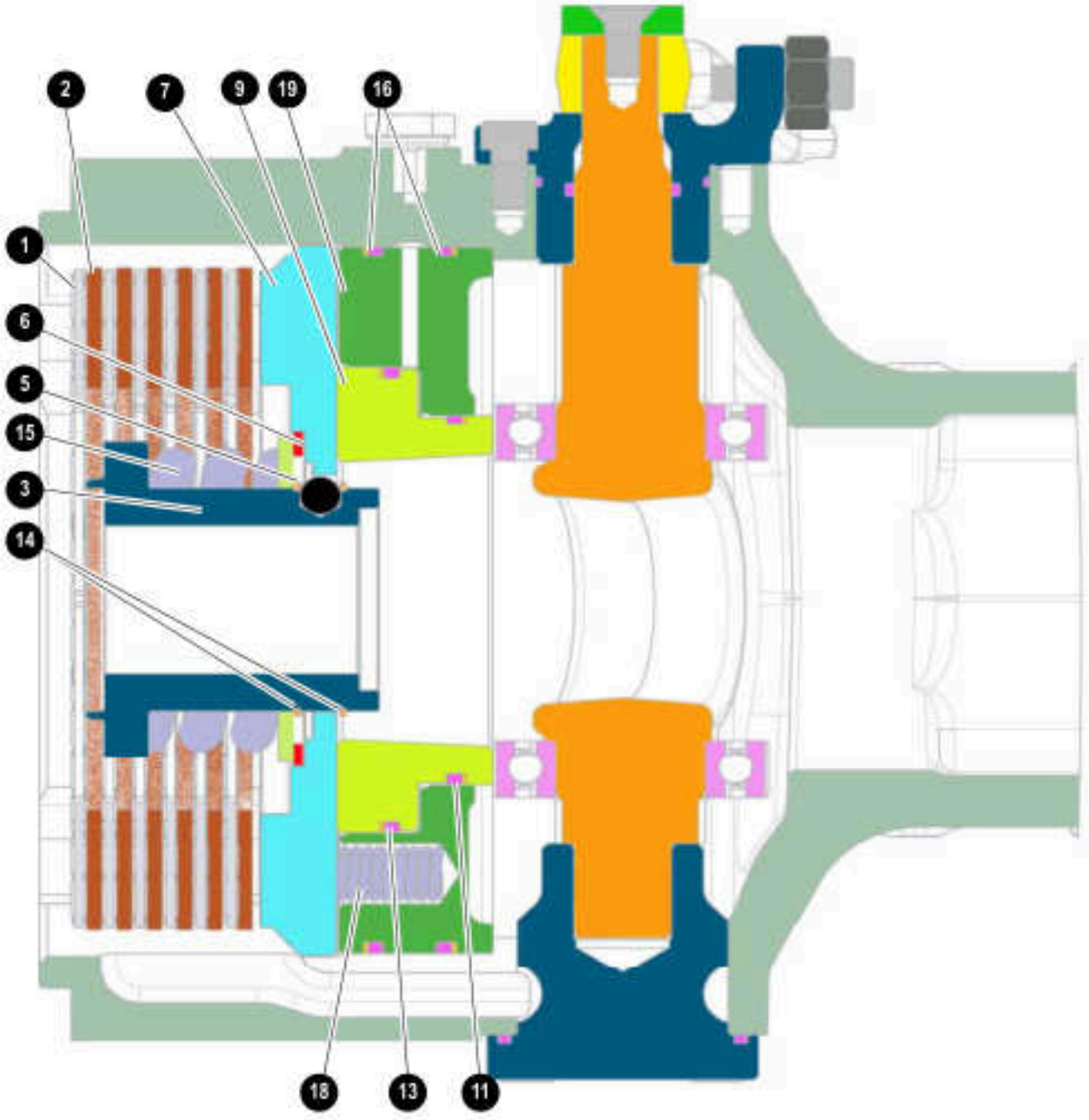
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10.20 STVO (Austrian road traffic regulations) wiring harness and rotating beacon (from AD51001D)



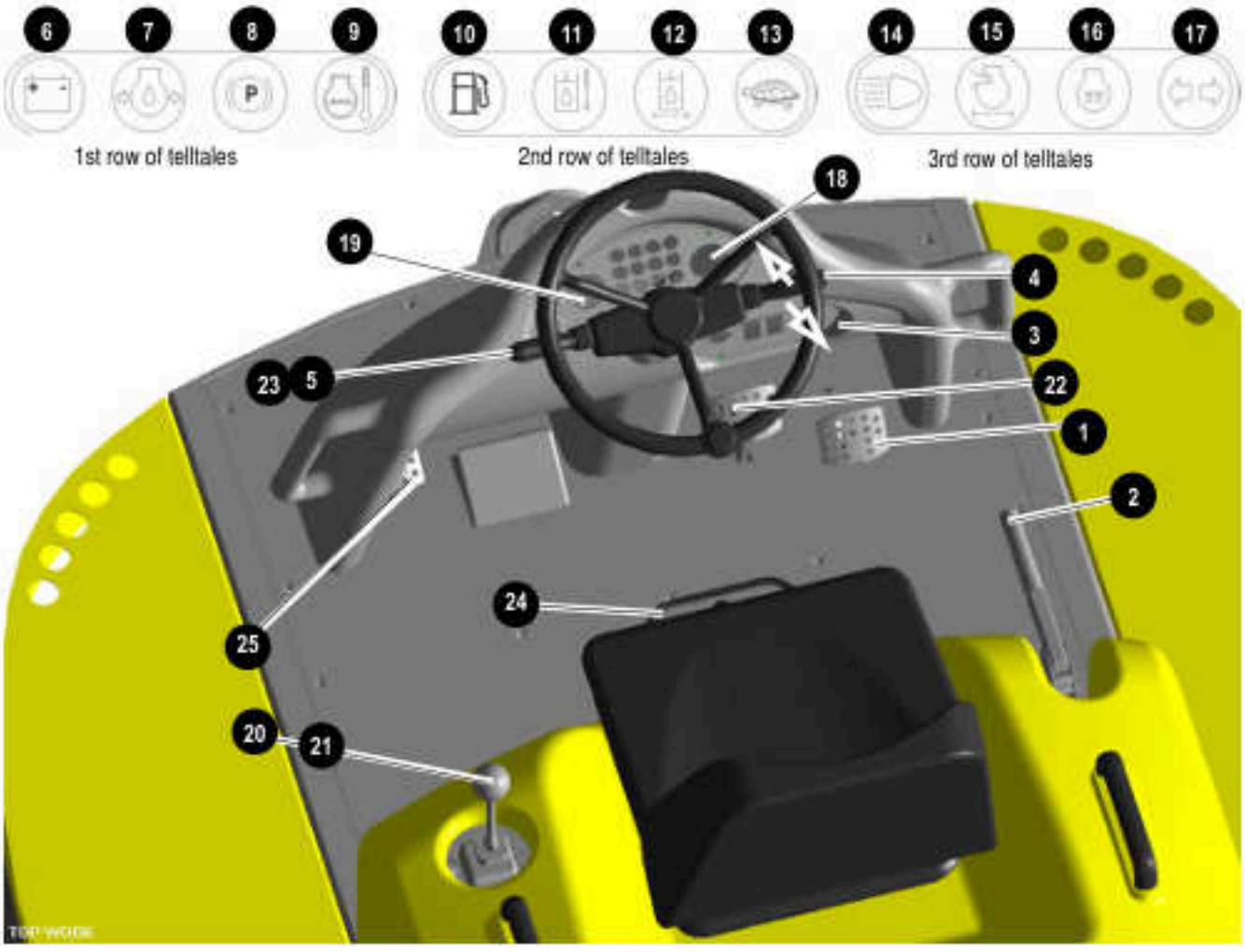
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Cross section of brakes (with differential lock)



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1.6 Control elements from AB45091D to AC45157D (overview)



Operating equipment (legend)

Pos.	Description	Pos.	Description
1	Accelerator pedal	14	High beam telltale
2	Parking brake	15	Not assigned
3	Ignition lock	16	Preheating telltale
4	Forwards-reverse control up/down: slow/fast forwards/backwards: forwards/reverse	17	Turn indicator telltale
5	Horn	18	Hour meter
6	Alternator charge function telltale	19	Fuel level indicator
7	Engine oil pressure telltale	20	Lever for tilting/lowering the skip
8	Parking brake telltale	21	Lever: swivel skip
9	Engine temperature telltale	22	Brake/inching pedal
10	Spare fuel telltale	23	Light switch
11	Not assigned	24	Seat adjustment lever
12	Hydraulic oil filter telltale	25	Differential lock
13	Low-speed telltale		

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10.29 Main wiring harness legend 1000181595A (from AD51001D)

Strand No.	From		Up to		Description	Colour	mm²
	Plug	PIN	Plug	PIN			
1	X10	1	F1	A	Power supply for display	blu	1
2	X10	2	X7/1	4	12 V lights for display	yel/blk	1
3	X7/1	4	F7	G	Front/rear clearance lights	yel/blk	1
4	X10	4	B1	-	Fuel level	vio/blk	1
5	X10	6	S5	-	Hydraulic oil filter pressure	org/wht	1
6	X10	8	B14	5	Alternator charge telltale	pnk	1
7	B14	5	G1	L	Alternator charge telltale	pnk	1
8	X10	9	S11	3	Parking brake telltale	yel/red	1
9	X10	10	B14	9	Telltale	wht/grn	1
10	X10	11	X7/1	9	High beam telltale	grn	1
11	X7/1	9	K63	86	High beam relay	grn	1
12	X10	12	S1	9	Preheating telltale	brn	1
13	X10	14	B14	4	Coolant temperature	grn/blk	1
14	X10	15	K10	15	Turn indicator telltale	gry/red	1
15	B14	1	S3	1	Engine oil temperature	grn/blk	1
16	B14	6	S2	1	Engine oil pressure	wht/grn	1
17	X7/1	6	S19	7	Left-hand side turn indicators	gry/grn	1
18	S19	7	X8	8	Left-hand side turn indicators	gry/grn	1
19	X7/1	2	K62	86	Low beam relay	yel	1
20	X7/1	3	S1	6	12 V steering column lever lights	blu	1
21	X7/1	5	S19	5	Hazard warning system	blu/yel	1
22	S19	5	K10	T	Hazard warning system	blu/yel	1
23	X7/1	1	S19	6	Right-hand side turn indicators	gry/yel	1
24	S19	6	X8	7	Right-hand side turn indicators	gry/yel	1
25	X7/1	7	B2	2	Horn	org/wht	1
26	X7/2	1	Y3	1	Forwards driving	brn/wht	1
27	X7/2	2	S21	1	12 V low speed solenoid	gry	1
28	S21	1	S21	9	Low speed telltale	gry	1
29	X7/2	3	Y2	1	Reverse driving	gry/blk	1
30	X7/2	3	B3	1	Backup warning system	gry/blk	1
31	X7/2	4	S11	2	12 V drive	gry/blu	1
32	B3	1	X8	5	Reversing light	gry/blk	1
33	S21	5	Y1	1	Low speed solenoid	brn/blk	1
34	S19	4	K10	31	12 V turn indicator relay	blu/wht	1
35	S19	3	F8	8	12 V/30 hazard warning switch	red	1
36	S1	1	F9	1	12 V/30	red	6
37	S1	4	S1	8	Preheating	brn	4
38	S1	8	R1	1	Preheating	brn	4
39	S19	1	F4	D	12 V/15 hazard warning system	blu	1
40	S1	5	F1	1	12 V/15	blu	4
41	S1	6	F6	6	12 V/15	blu	4
42	S1	7	X4	1	Start clearance relay	wht/blk	1
43	K07	85	S11	3	Start clearance	yel/red	1
44	X7/2	2	S11	1	12 V 2nd speed	gry	1
45	S11	1	F2	B	12 V/15	gry	1
46	X8	1	F7	7	12 V clearance light	yel/blk	1
47	X8	2	K63	87	High beam	grn/red	1
48	K63	30	F5	E	12 V high beam relay	grn/red	1
49	X8	3	K62	87	Low beam	yel/red	1
50	X8	6	S9	2	Brake lights	red/blk	1
51	S9	1	B2	1	12 V horn	org/blk	1
52	B2	1	F3	C	12 V brake lights	org/blk	1
53	H28	1	F5	E	Rotating beacon	vio/blk	1.5
54	M1	50	K07	87	Start clearance	wht/red	1.5
55	M1	B	G1	B	12 V/30	red	6
56	M1	B	F9	1	12 V/30	red	10
57	M1	B	F10	2	12 V/30	red	10
58	M1	50	Y4	1	Smoke limitation	wht/red	1.5
59	F1	A	X4	5	Cutoff solenoid	blu/red	1.5
60	K62	30	F6	F	12 V low beam relay	yel/red	1
61	M1	50	Y4.1	1	Smoke limitation	wht/red	1.5
62	F7	7	X8.1	1	12 V clearance light	yel/blk	1
63	F7	7	X8.2	1	12 V clearance light	yel/blk	1
64	S1	5	X2	B	12 V 15	blu	4
65	F10	1	K07	30	Start clearance	wht/red	1.5
66	S1	2	X2	A	12 V/30	red	1.5
67	F9	1	F8	H	12 V/30	red	6
68	X4	6	K07	86	Start clearance	wht/blk	1
69	F8	8	X4	2	12 V/30	red	1.5
70	X4	9	Y5	1	Cutoff solenoid	blu/red	1.5
71	X4	5	X4	7	12 V/15	blu/red	1.5
72	X4	3	GND	2	Earth	blk	1
73	X4.1	1	X4.1	6	Start clearance	wht/blk	1
74	X4.1	5	X4.1	9	Cutoff solenoid	blu/red	1.5
95	X8.2	2	GND	1	Earth	blk	1
96	X8.1	2	GND	2	Earth	blk	1
99	S11	4	GND	2	Earth	rblk	1
100	X10	5	GND	2	Earth	blk	1
101	X7/1	8	GND	2	Earth	blk	1
102	S21	10	GND	2	Earth	blk	1
103	S3	2	GND	1	Earth	blk	1
104	X8	4	GND	2	Earth	blk	1
105	Y1	2	GND	2	Earth	blk	1
106	B3	2	GND	1	Earth	blk	1
107	B1	-	GND	1	Earth	blk	1
108	Y3	2	Y2	2	Earth	blk	1
109	Y2	2	GND	1	Earth	blk	1
110	S5	-	GND	1	Earth	blk	1
111	Y5	2	GND	1	Earth	blk	1
112	K10	53s	GND	1	Earth	blk	1
113	K10	53s	K63	85	Earth	blk	1
114	K63	85	K62	85	Earth	blk	1
115	GND	2	GND	1	Earth	blk	1
116	Y4	2	GND	1	Earth	blk	1

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