



Electronic Service Manuals

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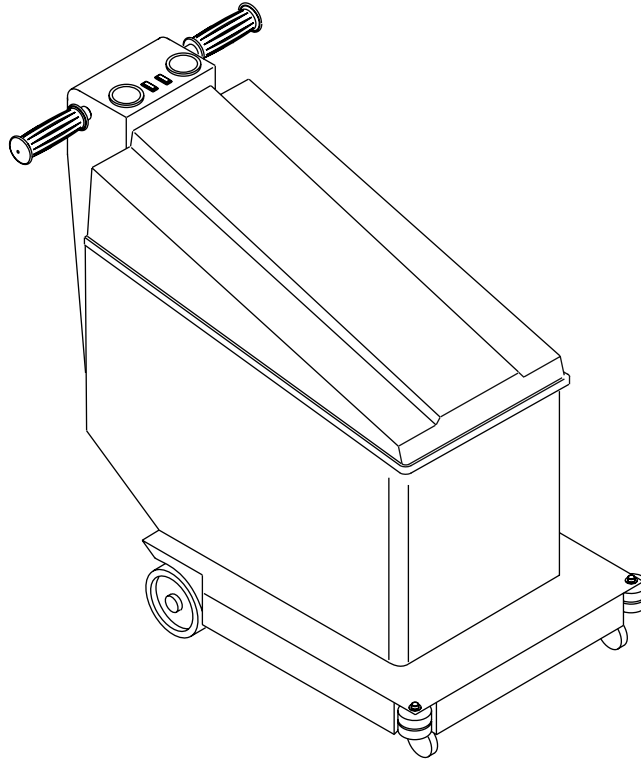
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Whirlamatic™ UHSB 20

Whirlamatic™ UHSBD 20



PARTS LIST

Advance MODELS 56393500 (UHSB 20), 56393930 (UHSB 20)
56393600 (UHSBD 20 / OBSOLETE)



Advance

by Nilfisk-Advance

1/91 revised 12/05 FORM NO. 56042243

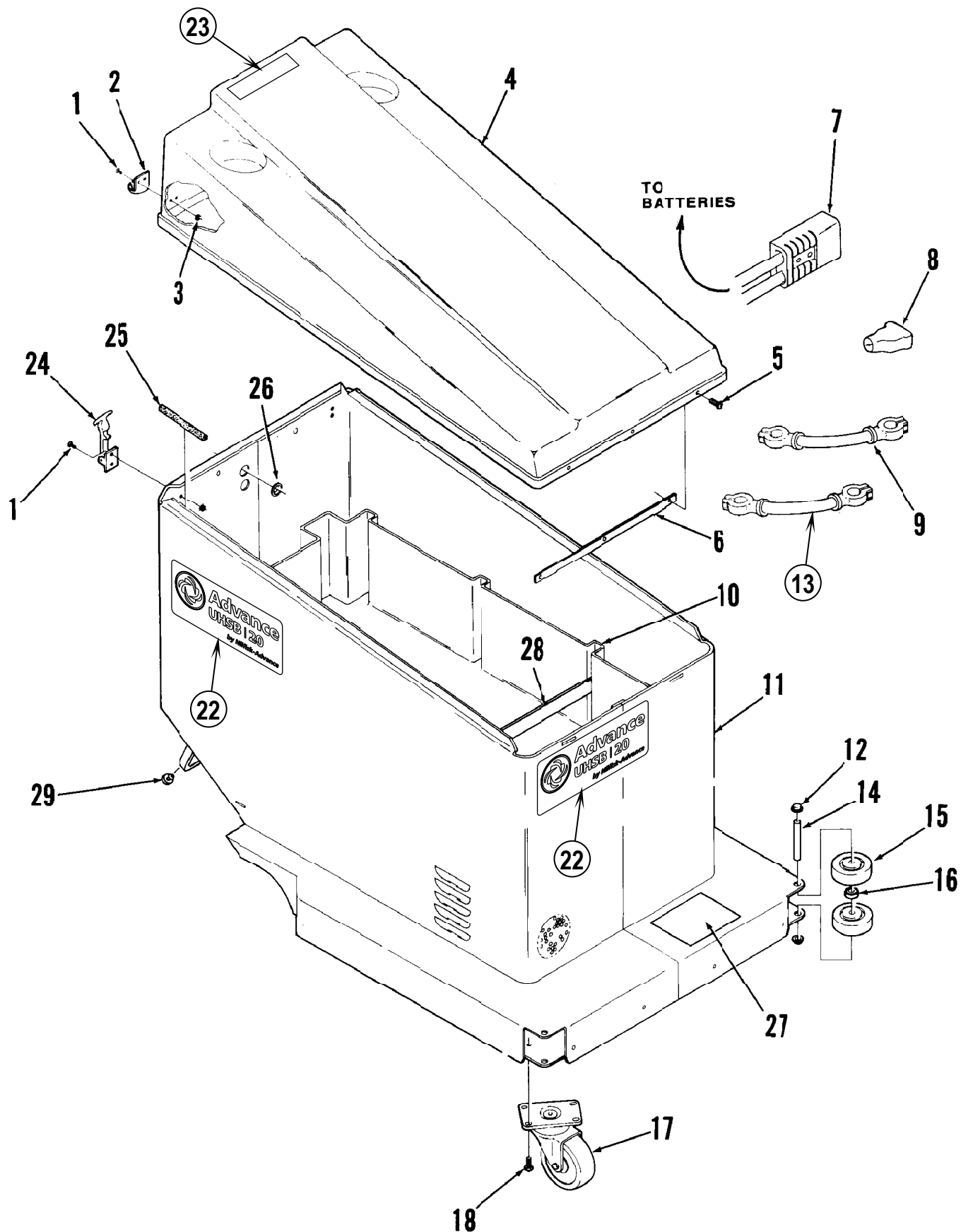
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WHEN ORDERING PARTS

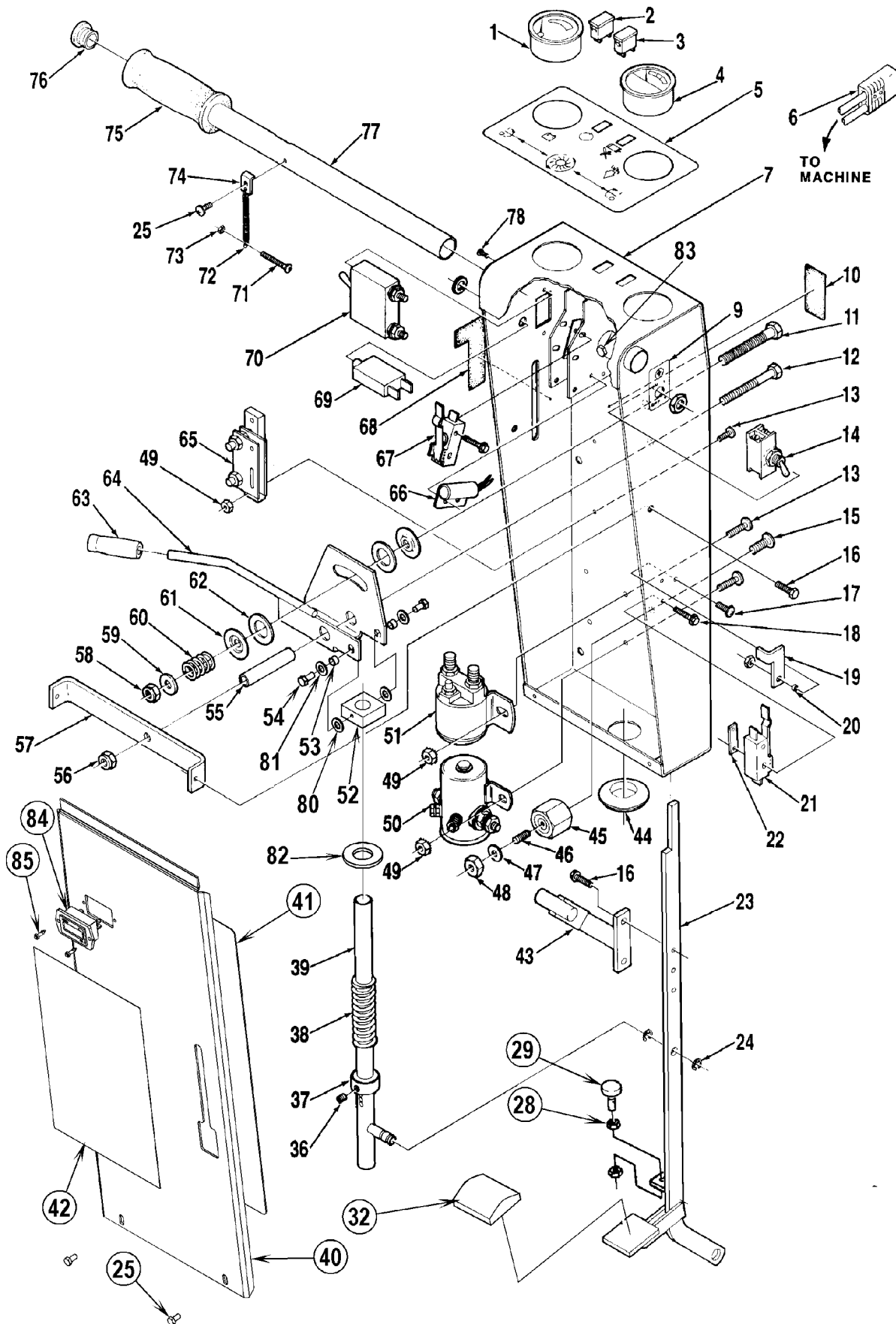
- * Use the 8 digit numbers from the "Ref. No." columns in this parts list.
- * Specify the model and serial number of the machine.
- * Use the space below to record the model and serial number for future reference.

Model _____ Serial No. _____



91-1	CHASSIS SYSTEM			
00-9	Whirlamatic™ UHSB 20 / UHSBD 20			3

Item	Ref. No.	Qty	Description
	56393561	1	Shroud Assembly (#1-6)
1		8	#6-32 x 3/8 Screw
2	56393559	2	Keeper
3		8	#6-32 Nut
4	56393503	1	Shroud
5		3	#10-24 x 3/8 Screw
6	56393539	1	Bracket
7	56391127	1	Connector with Wires TSB 730
8	56372673	12	Battery Boot
9	56363936	2	Cable TSB 730
10	56393574	1	Battery Tray
11	56393730	1	Chassis
12	56262534	4	Cap
13	56363928	3	Cable TSB 730
14	56393543	2	Pin
15	56363855	4	Wheel
16	56328022	2	Bushing
17	56206725	2	Caster
18		6	1/4-20 x 1/2 Screw
22	56016415	3	Decal, UHSB 20
23	56015171	1	Decal, Important
24	56393560	2	Latch
25	56393549	2	Trim
26	56157376	2	Grommet
27	56015120	1	Decal, Pad Replacement
28	56393578	1	Strap
29	56393581	2	Bumper

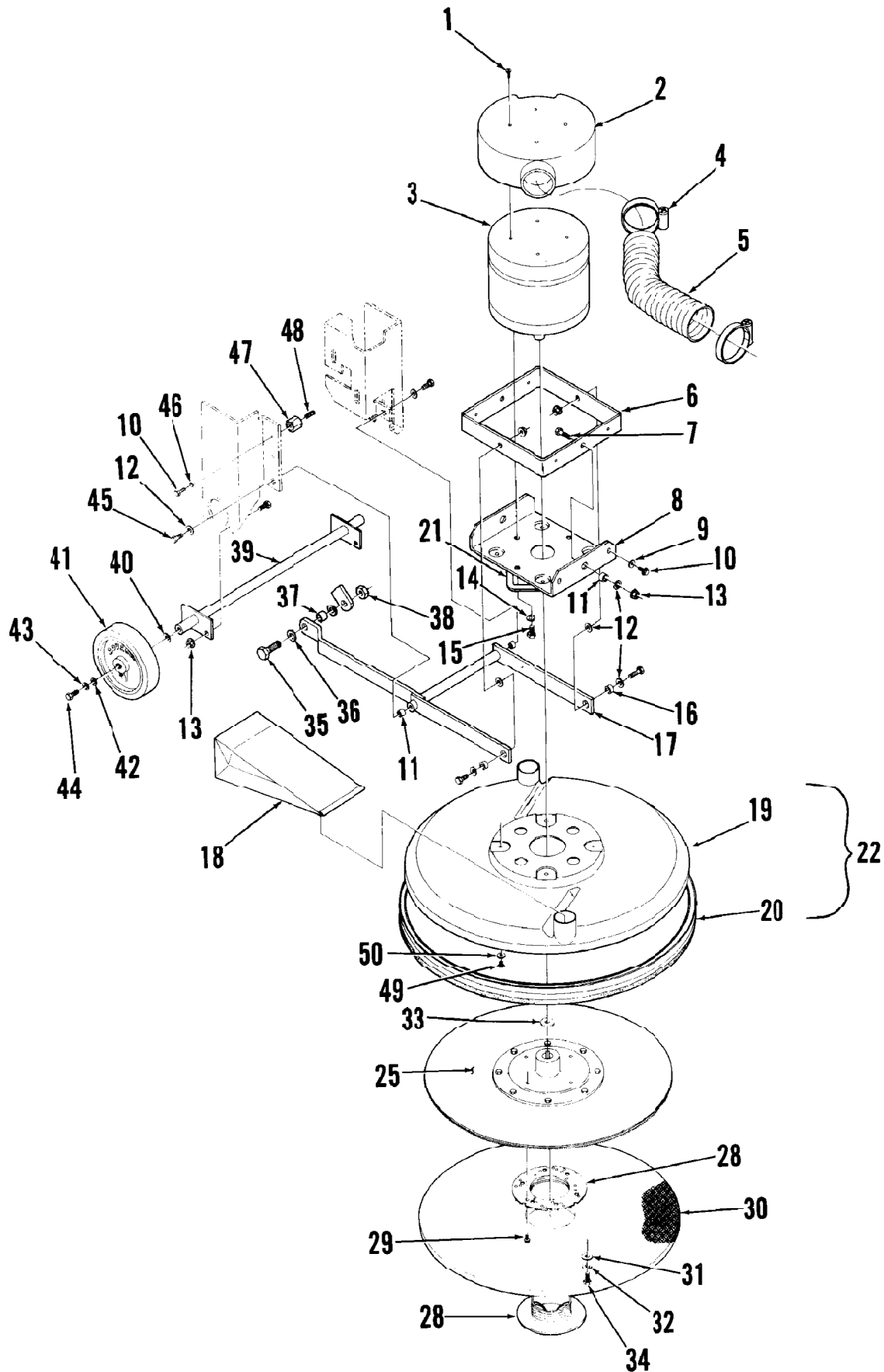


91-1	HANDLE ASSEMBLY			
05-12	Whirlamatic™ UHSB 20 / UHSBD 20			5

Item	Ref. No.	Qty	Description	Item	Ref. No.	Qty	Description
	56393501	1	Handle Assembly (56393500 only)	50	56395452	1	Contactor 36V (56393600 only)
	56393615	1	Handle Assembly (56393600 only)	51	56395450	1	Contactor
1	56448677	1	Battery Meter	52	56393696	1	Bearing Block Assembly
2	56389434	1	Green Indicator Light (before February 1998)	53	56200123	2	Bushing
	56392858	1	Green Indicator Light (after January 1998)	54	56009039	2	#10-24 x 1/2 Hex Screw
3	56389433	1	Red Indicator Light (before February 1998)	55	56393520	1	Pivot
	56393863	1	Red Indicator Light (after January 1998)	56		1	5/16-18 Nut
4	56389527	1	Amp Meter TSB 672	57	56393534	1	Support
5	56015114	1	Decal, Control Handle	58	56371424	1	Nut
6	56393568	1	Connector with Wires	59		1	3/8 Flat Washer
7	56393554	1	Handle (before SN 531968)	60	56171177	1	Spring
	56393653	1	Handle (after SN 531697)	61	56440760	2	Washer
9	56016112	1	Decal, Switch	62	56367184	2	Thrust Bearing
10	56025264	1	Decal, Cable Routing	63	56471193	1	Grip
11		1	3/8-16 x 2 1/2 Bolt	64	56393528	1	Lever TSB 672
12		1	5/16-18 x 3 1/2 Bolt	65	56386793	1	Shunt
13		4	#10-24 x 1 Screw	66	56393569	1	Mercury Switch
14	56207071	1	Main Switch TSB 575	67	56385615	1	Switch (2 on 56393600)
15		2	1/4-20 x 3/4 Screw	68	56015122	1	Decal, Circuit Breaker
16		4	1/4-20 x 1/2 Screw	69	56387316	1	Circuit Breaker
17		1	#10-24 x 3/4 Screw	70	56391010	1	Circuit Breaker TSB 607
18		4	#6-32 x 1 Screw	71		1	#10-24 x 1-1/4 Screw
19	56393530	1	Lever	72	56328790	1	Spring
20	56375334	1	Bushing	73		1	#10-24 Nut
21	56388019	1	Pad Up Switch	74	56393525	1	Retainer (before SN 531698)
22	56376015	2	Nut Plate (3 on 56393600)	75	56393579	2	Grip
23	56388184	1	Pedal TSB 609	76	56393580	2	Plug
24	56321427	2	Retaining Ring	77	56393529	1	Tube (before SN 531698)
25	56009012	2	Scr, Hex Thd Form 10-24 x .38		56393654	1	Tube (after SN 531698)
28	56009087	2	Nut, Hex Jam1/4-20	78		2	#6-32 x 3/8 Screw
29	56386314	1	Leveler	79	56002591	1	#8-32 x 7/8 Screw
32	56365002	1	Pad				(after SN 531697)
36		1	5/16-18 x 3/8 Set Screw		56002518	1	#10-24 x 3/8 HP-5 Screw
37	56367354	1	Collar				(before SN 531968)
38	56372129	2	Spring	80	56009024	2	Wsh, Bowed .375 x .84 x .06
39	56393522	1	Rod	81	56001954	2	Wsh, Flt SAE #10
40	56393540	1	Panel	82	56200115	1	Wsh, Flt
	56393723	1	Panel (after SN 531697)	83	56234079	1	Screw
41	56016068	1	Decal, Wiring (UHSB20)	*	56001905	2	Wsh, Int Shprf 5/16
	56015115	1	Decal, Wiring (UHSBD20)	84	56393718	1	Hour Meter (56393930 only)
42	56015119	1	Decal, Caution	*	56389540	1	Wire, Ring / Female Receptacle
43	56393533	1	Handle				(56393930 only)
44	56486116	1	Grommet	*	56463277	2	Wire, Ring / Female Receptacle
45	56469858	1	Insulated Stand-Off				(56393930 only)
46	56150274	1	Stud	*	56325219	2	Tie, Cable (56393930 only)
47		1	1/4 Washer	85	56003712	2	Rivet, Micro-Tuflok .125 x .240
48		1	1/4-20 Nut				(56393930 only)
49		4	#10-24 Nut (6 on 56393600)	**	56393214	1	Low Voltage Lockout Kit TSBUS2005-892

* = Not Shown

** = Optional (Not Included)

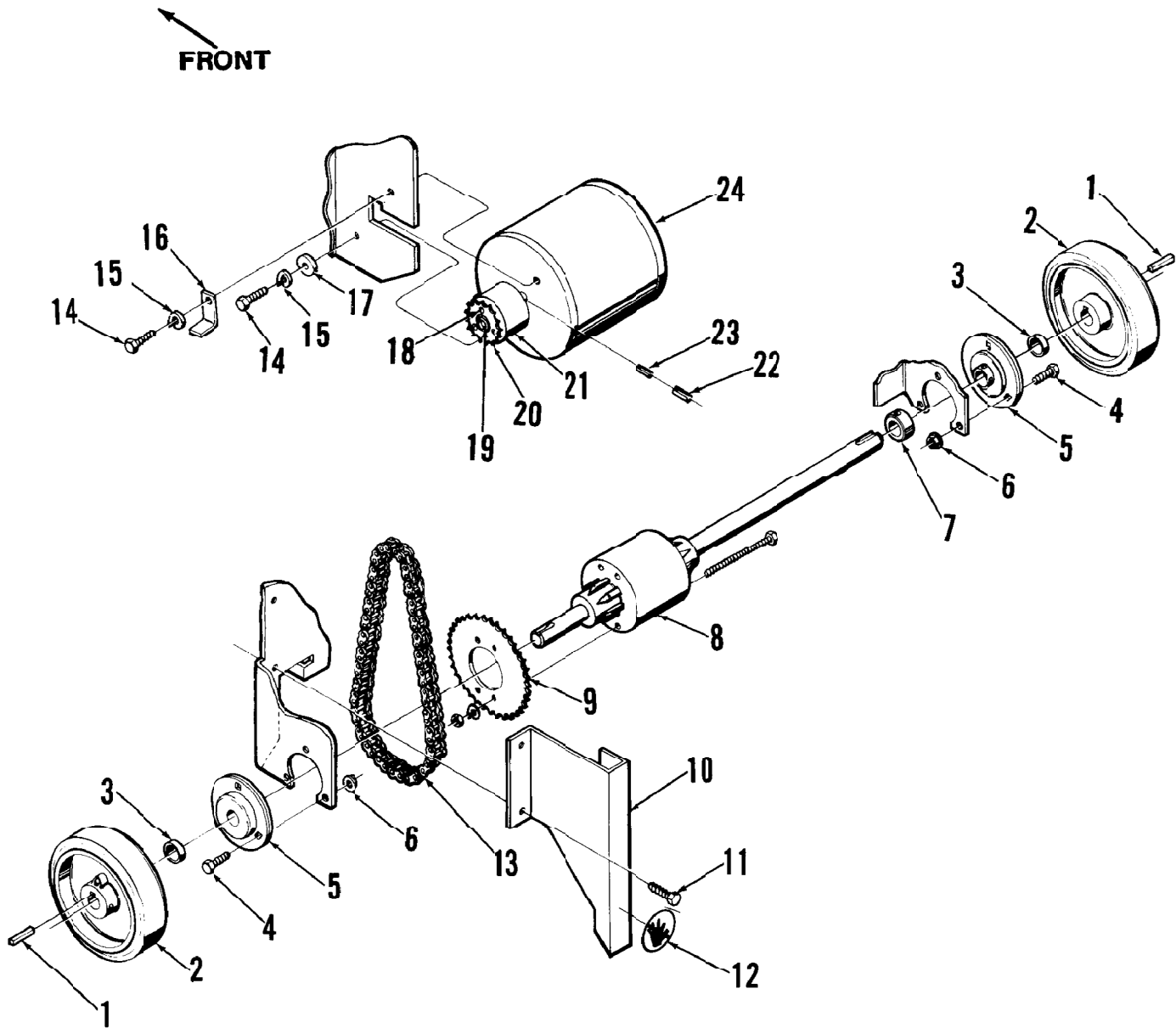


91-1	PAD DRIVE ASSEMBLY		
05-12	Whirlamatic™ UHSB 20 / UHSBD 20		7

Item	Ref. No.	Qty	Description
	56393502	1	Drive Unit Assembly (#1-17)
1		4	1/4-20 x 3/8 Screw
2	56393576	1	Cover
3	56389422	1	Motor TSB 672
*	56389371	1	Carbon Brush Set
*	56389395	1	Brush Spring Set
4	56352829	4	Hose Clamp
5	56387392	2	Hose
6	56393542	1	Frame
7		4	5/16-18 x 1 Bolt
8	56393510	1	Motor Mount
9		2	1/4 Flat Washer
10		4	1/4-20 x 1/2 Screw
11	56391840	4	Bushing
12		8	5/16 Flat Washer
13		8	5/16-18 Whiz Nut
14		4	3/8 Shakeproof Washer
15		4	3/8-16 x 1/2 Bolt
16	56244941	2	Bushing
17	56393551	1	Linkage
18	56391185	2	Bag (package of 6)
*	56704408	2	Cloth Bag W/Clip (56393930 only)
19	56393504	1	Shroud
20	56393565	1	Skirt
21	56200754	2'	Gasket (61 cm)
22	56393566	1	Dust Shroud Assembly (#19-21)
25	56393650	1	Pad Holder TSB 525
28	56393567	1	Retainer
29		4	#10-24 x 3/8 Screw
30		1	Pad (not included)
31	56180200	1	Washer
32		1	5/16 Lock Washer
33	56367192	1	Washer
34		1	5/16-24 x 3/4 Bolt
35		1	1/2-13 x 1 1/4 Bolt
36	56367214	2	Washer
37	56365030	1	Bushing
38		1	1/2-13 Nut
39	56393548	1	Axle (56393500 only)
40	56362883	2	Washer (56393500 only)
41	56391110	2	Wheel (56393500 only)
42	56152781	2	Washer (56393500 only)
43		2	5/16 Shakeproof Washer (56393500 only)
44		2	5/16-18 x 5/8 Bolt (56393500 only)
45		2	5/16-18 x 3/4 Bolt
46		2	1/4 Shakeproof Washer
47	56469858	2	Insulated Stand-Off
48	56150274	2	Stud
49		4	1/4-20 x 1/4 Screw
50	56151114	4	Washer

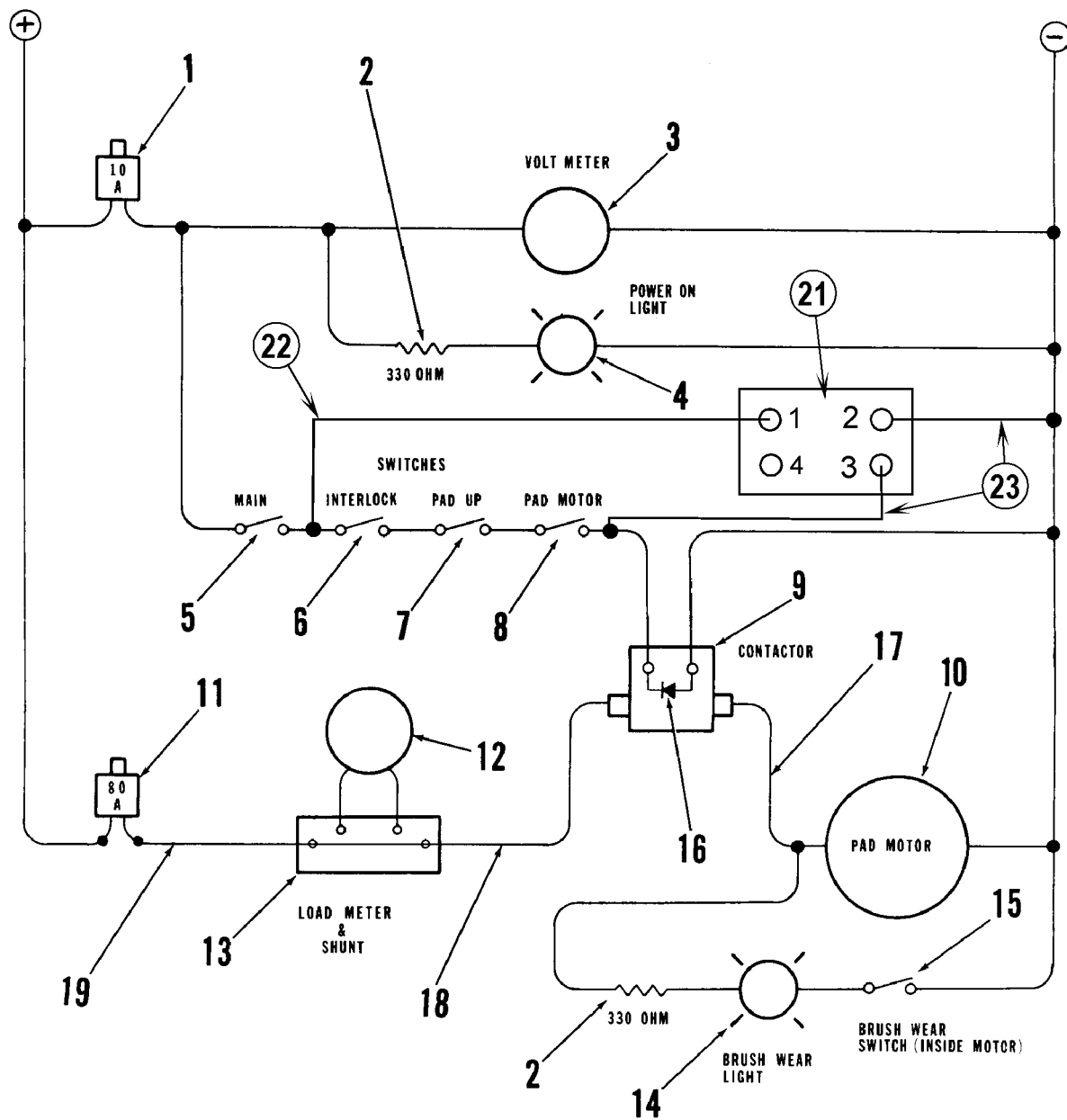
* = Not Shown

Wheel Drive Conversion Kit (part no. 56393234) available for Model 56393500 **TSB 546**



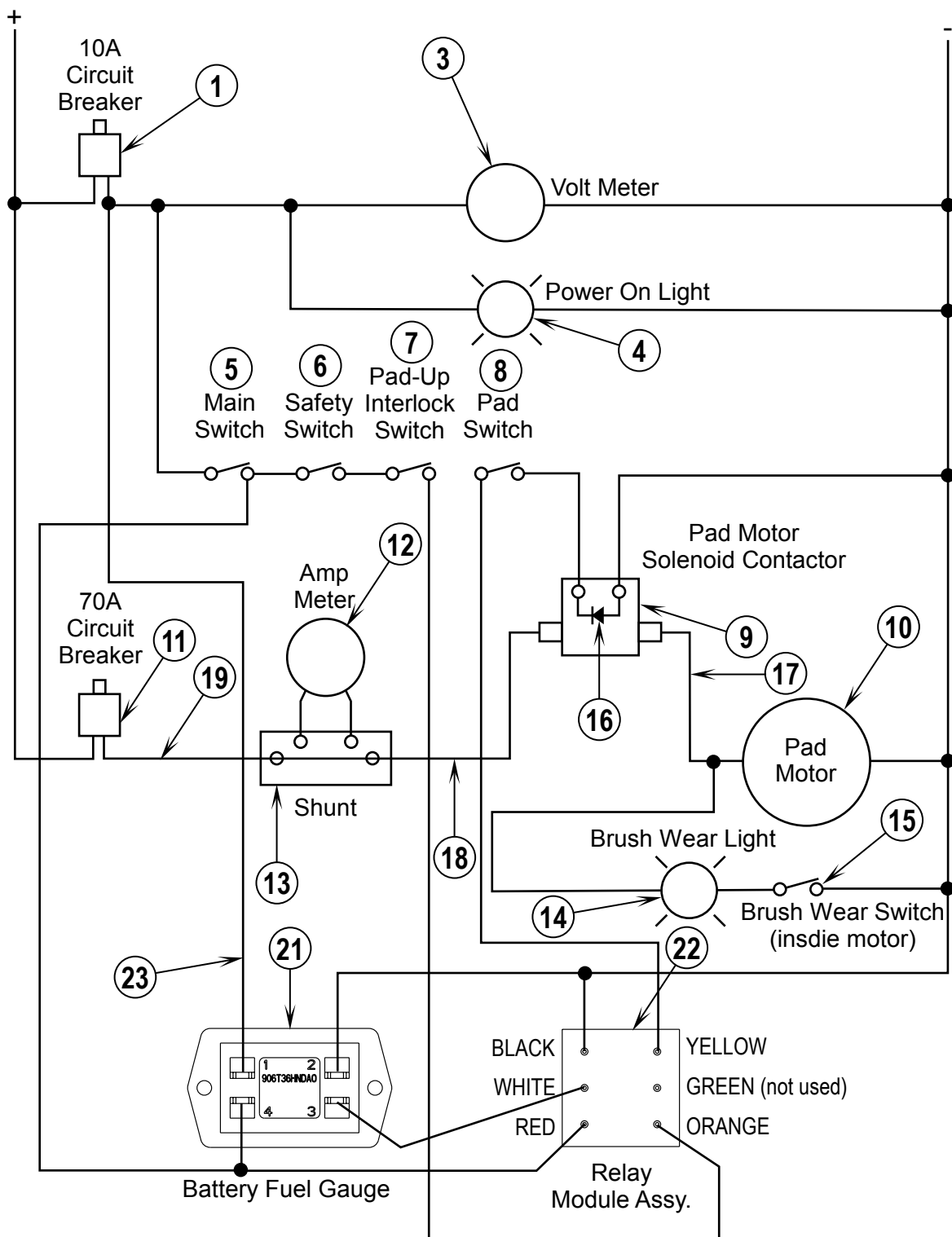
91-1	DRIVE MOTOR (UHSBD 20)		
00-9	Whirlamatic™ UHSB 20 / UHSBD 20		9

Item	Ref. No.	Qty	Description
1	56443719	2	Key
2	56393602	2	Wheel
3	56393618	2	Spacer
4		6	5/16-18 x 3/4 Bolt
5	56393601	2	Bearing
6		6	5/16 Nut
7	56367095	1	Collar
8	56393603	1	Differential
9	56393609	1	Sprocket
10	56393616	1	Guard
11		2	1/4-20 x 1/2 Bolt
12	56030080	1	Decal, Hands Clear
13	56393606	1	Roller Chain
14		2	5/16-18 x 7/8 Bolt
15		2	5/16 Lock Washer
16	56393608	1	Tab
17	56152781	1	5/16 Washer
	56393613	1	Drive Motor Assembly (#18-24)
18		3	#10-32 x 3/8 Screw
19	56462265	1	Retaining Ring
20	56393604	1	Sprocket
21	56393614	1	Clutch
22	56002754	1	1/8 x 7/8 Spring Pin
23	56002756	1	1/16 x 7/8 Spring Pin
24	56393607	1	Drive Motor



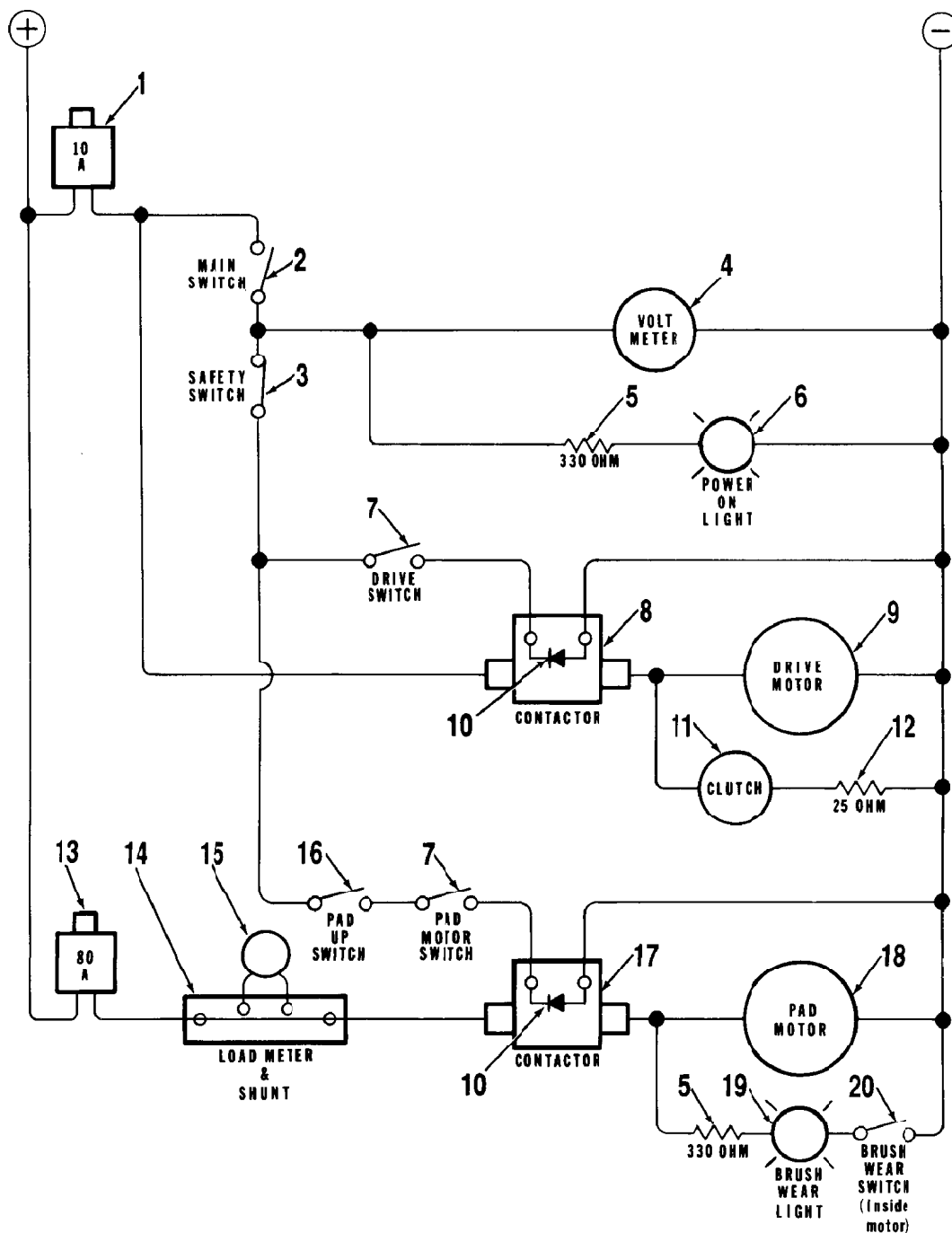
91-1	WIRING DIAGRAM (UHSB 20)		
05-12	Whirlamatic™ UHSB 20 / UHSBD 20		11

Item	Ref. No.	Qty	Description
1	56387316	1	Circuit Breaker 10 Amp
2	56389453	2	Resistor 330 Ohm (before February 1998)
3	56448677	1	Battery Meter
4	56389434	1	Green Indicator Light (before February 1998)
	56392858	1	Green Indicator Light (after January 1998)
5	56207071	1	Main Switch TSB575
6	56393569	1	Mercury Switch
7	56388019	1	Pad Up Switch
8	56385615	1	Pad Motor Switch
9	56395450	1	Contactor
10	56389422	1	Pad Motor
11	56391010	1	Circuit Breaker TSB607
12	56389527	1	Load Meter
13	56386793	1	Shunt
14	56389433	1	Red Indicator Light (before February 1998)
	56393863	1	Red Indicator Light (after January 1998)
15		1	Brush Wear Switch
16	56389265	1	Rectifier
17	56377704	1	Cable
18	56393572	1	Cable
19	56393571	1	Cable
20	56393776	1	Wiring Harness (before February 1998)
	56393862	1	Wiring Harness (after January 1998)
21	56393718	1	Hour Meter (56393930 only)
22	56389540	1	Wire, Ring / Female Receptacle (56393930 only)
23	56463277	2	Wire, Ring / Female Receptacle (56393930 only)



91-1	WIRING DIAGRAM (UHSB 20 / LOW VOLTAGE LOCKOUT KIT)		
05-3	Whirlamatic™ UHSB 20 / UHSBD 20		13

Item	Ref. No.	Qty	Description
1	56387316	1	Circuit Breaker 10 Amp
3	56448677	1	Battery Meter
4	56392858	1	Green Indicator
5	56301636	1	Main Switch
6	56393569	1	Mercury Switch
7	56388019	1	Pad Up Switch
8	56385615	1	Pad Motor Switch
9	56395450	1	Contactor
10	56389422	1	Pad Motor
11	56393722	1	Circuit Breaker 70 Amp
12	56389527	1	Load Meter
13	56386793	1	Shunt
14	56393863	1	Red Indicator Light
15	N/A	1	Brush Wear Switch
16	56389265	1	Rectifier
17	56377704	1	Cable
18	56393572	1	Cable
19	56393571	1	Cable
20	56393862	1	Wiring Harness (not shown)
21	56416395	1	Fuel Gauge, Battery TSBUS2005-892
22	56393216	1	Relay Module Assy TSBUS2005-892
23	56393221	1	Wire Asm., 18AWG TSBUS2005-892



91-1	WIRING DIAGRAM (UHSBD 20)		
01-12	Whirlamatic™ UHSB 20 / UHSBD 20		15

Item	Ref. No.	Qty	Description
1	56387316	1	Circuit Breaker 10 Amp
2	56207071	1	Main Switch
3	56393569	1	Mercury Switch
4	56448677	1	Battery Meter
5	56389453	2	Resistor 330 Ohm (before February 1998)
6	56389434	1	Green Indicator Light (before February 1998)
	56392858	1	Green Indicator Light (after January 1998)
7	56385615	2	Snap Switch
8	56395452	1	Contactor
9	56393613	1	Drive Motor
10	56389265	2	Rectifier
11	56393614	1	Clutch
12	56393612	1	25 Ohm Resistor
13	56391010	1	Circuit Breaker 80 Amp TSB 607
14	56386793	1	Shunt
15	56391132	1	Load Meter
16	56388019	1	Snap Switch
17	56395450	1	Contactor
18	56389422	1	Pad Motor
19	56389433	1	Red Indicator Light (before February 1998)
	56393863	1	Red Indicator Light (after January 1998)
20		1	Brush Wear Switch
*	56393776	1	Wiring Harness (before February 1998)
	56393862	1	Wiring Harness (after January 1998)

* = Not Shown



**Nilfisk
Advance**

setting standards

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