

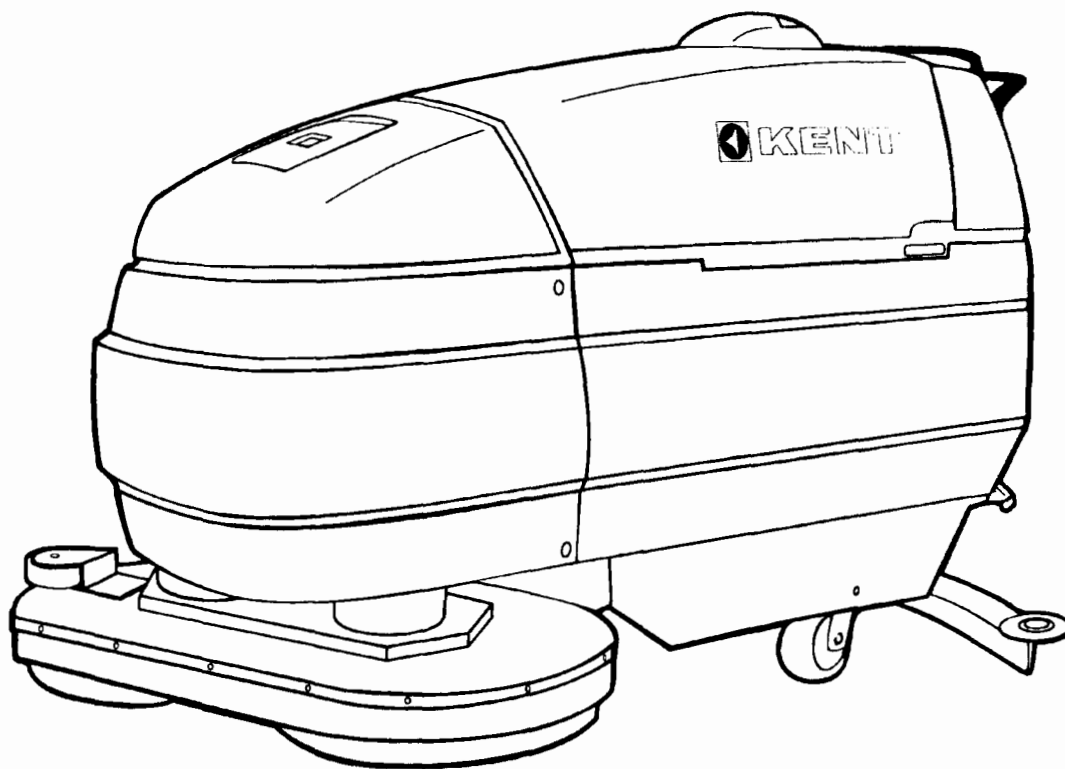
KENT

PARTS MANUAL

SERVICE • PARTS

AUTOMATIC SCRUBBERVAC

KA-33 DuraScrub



CLICK TO ORDER PARTS

EDITION 1
MARCH 1996
083360

THE KENT COMPANY • 2310 INDUSTRIAL PARKWAY • P.O. BOX 1665 • ELKHART, IN 46515, U.S.A.
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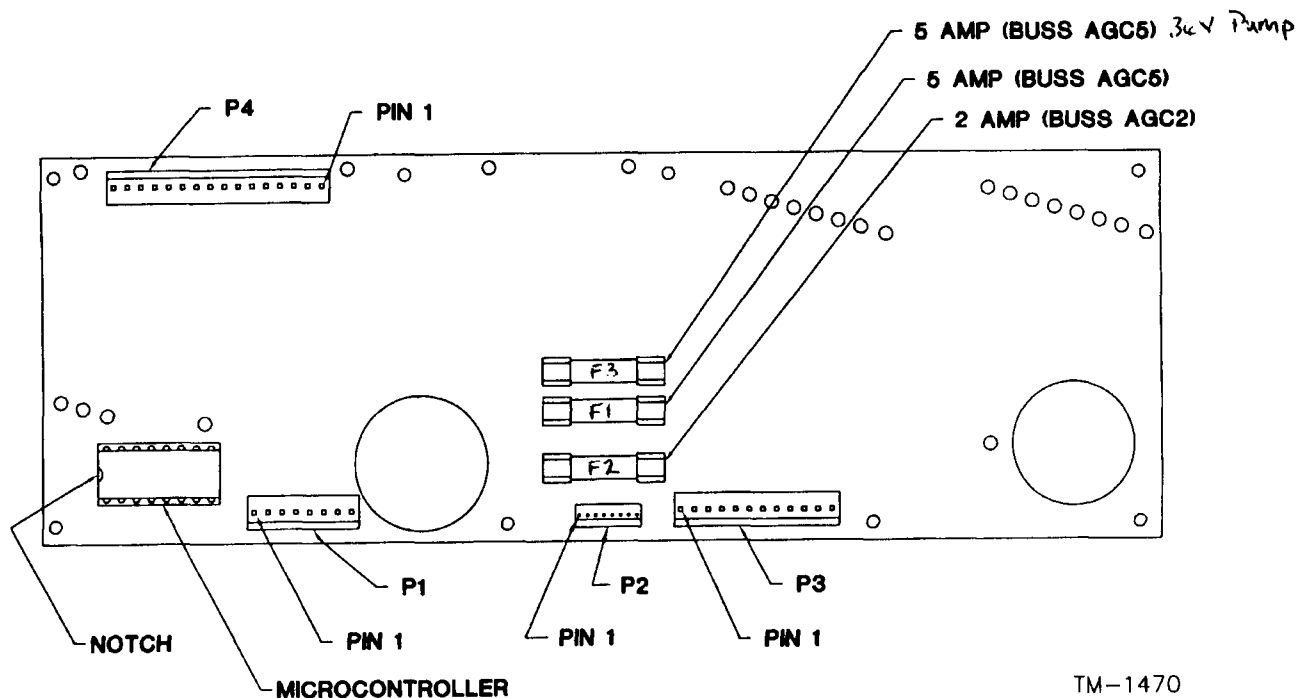
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RECOMMENDED SPARE PARTS

Recommended spare parts should be ordered and stocked to avoid possible down time in case of failure, breakage, or normal wear.

PART NO.	DESCRIPTION	QUANT.
035302	ASM,HOSE--SQUEEGEE,BLK,22"L	1
035129	ASM,HOSE--TANK,BLK,36"L	1
035179	ASM,HOSE--DUMP,1,50 DIA,BLK,40"L	1
039276	BRUSH, MTR--FOR 024372 MTR	4
039428	BRUSH,MTR--FOR 024373 VAC MTR	2
047484	KNOB	1
056428	RUBBER,SQUEEGEE--33" AUTO,FRONT	1
056429	RUBBER,SQUEEGEE--33" AUTO,REAR	1
056430	RUBBER,SQUEEGEE--33" AUTO,BACKUP	1
056466	GASKET,SQUEEGEE--.187X2,9.75L	1
056793	FILTER,SCREEN--1.85ID,SS	1

DURASCRUB SYSTEM CIRCUIT BOARD CONNECTIONS



TM-1470

CONNECTOR P1

PIN 1	TANK PROBE 1 (-), NO.57
PIN 2	TANK PROBE 2 (+), NO.58
PIN 3	BRUSH UP SWITCH (-), NO.17
PIN 4	BRUSH UP SWITCH (+), NO.18
PIN 5	BRUSH DOWN SWITCH (-), NO.23
PIN 6	BRUSH DOWN SWITCH (+), NO.22
PIN 7	ON/OFF HANDLE SWITCH (-), NO.55
PIN 8	ON/OFF HANDLE SWITCH (+), NO.56

PIN 4	(-) JUNCTION BAR, NO.60
PIN 5	(-) JUNCTION BAR, NO.61
PIN 6	(-) JUNCTION BAR, NO.62
PIN 7	WATER PUMP (+), NO.51
PIN 8	WATER PUMP (-), NO.52
PIN 9	LOAD INDICATOR (+), NO.64
PIN 10	LOAD INDICATOR (-), NO.59
PIN 11	BATTERY LOW INDICATOR (+), NO.4
PIN 12	BATTERY LOW INDICATOR (-), NO.8

CONNECTOR P2 (KEYPAD)

Function Pin combinations:

GROUND	PIN 1
WATER FLOW SELECT	PIN 2 & 6
WATER FLOW ON/OFF	PIN 3 & 6
BRUSH PRESSURE (+)	PIN 4 & 6
BRUSH PRESSURE (-)	PIN 5 & 6
BRUSH INSTALL	PIN 2 & 7
BRUSH REMOVE	PIN 3 & 7
VACUUM ON/OFF	PIN 4 & 7
BRUSH ON/OFF	PIN 5 & 7

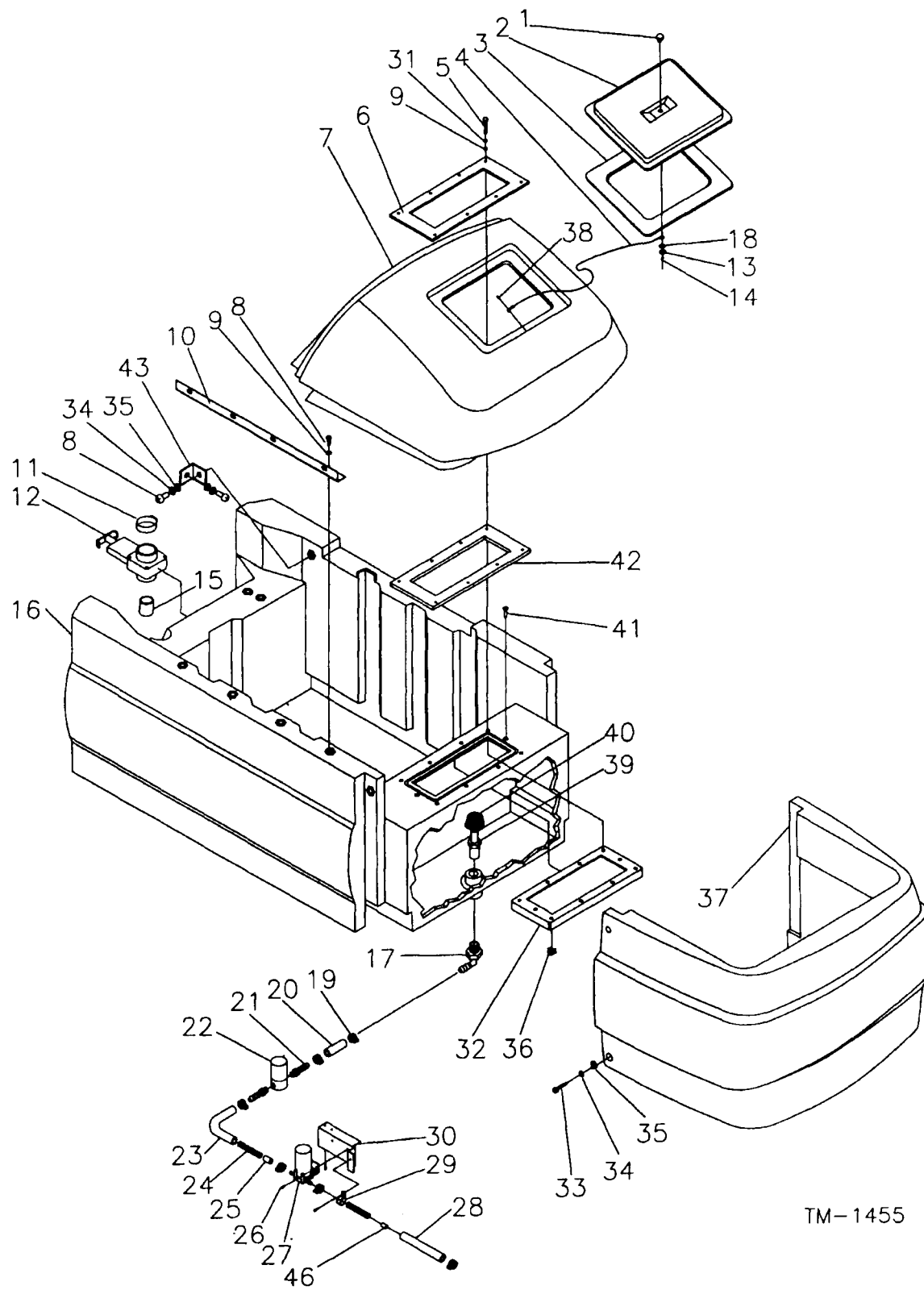
CONNECTOR P4

PIN 1	BRUSH DOWN SOLENOID (+), NO.33
PIN 2	BRUSH DOWN SOLENOID (-), NO.32
PIN 3	BRUSH UP SOLENOID (+), NO.25
PIN 4	BRUSH UP SOLENOID (-), NO.20
PIN 5	NOT USED
PIN 6	NOT USED
PIN 7	REMOVE SOLENOID (+), NO.47
PIN 8	REMOVE SOLENOID (-), NO.48
PIN 9	INSTALL SOLENOID (+), NO.43
PIN 10	INSTALL SOLENOID (-), NO.44
PIN 11	WATER VALVE (+), NO.49
PIN 12	WATER VALVE (-), NO.50
PIN 13	BRUSH ON/OFF SOLENOID (+), NO.45
PIN 14	BRUSH ON/OFF SOLENOID (-), NO.46
PIN 15	VAC SOLENOID (+), NO.53
PIN 16	VAC SOLENOID (-), NO.54

CONNECTOR P3

PIN 1	MAIN SOLENOID, NO.63
PIN 2	NOT USED
PIN 3	NOT USED

KA-33 SOLUTION TANK ASSEMBLY



TM-1455

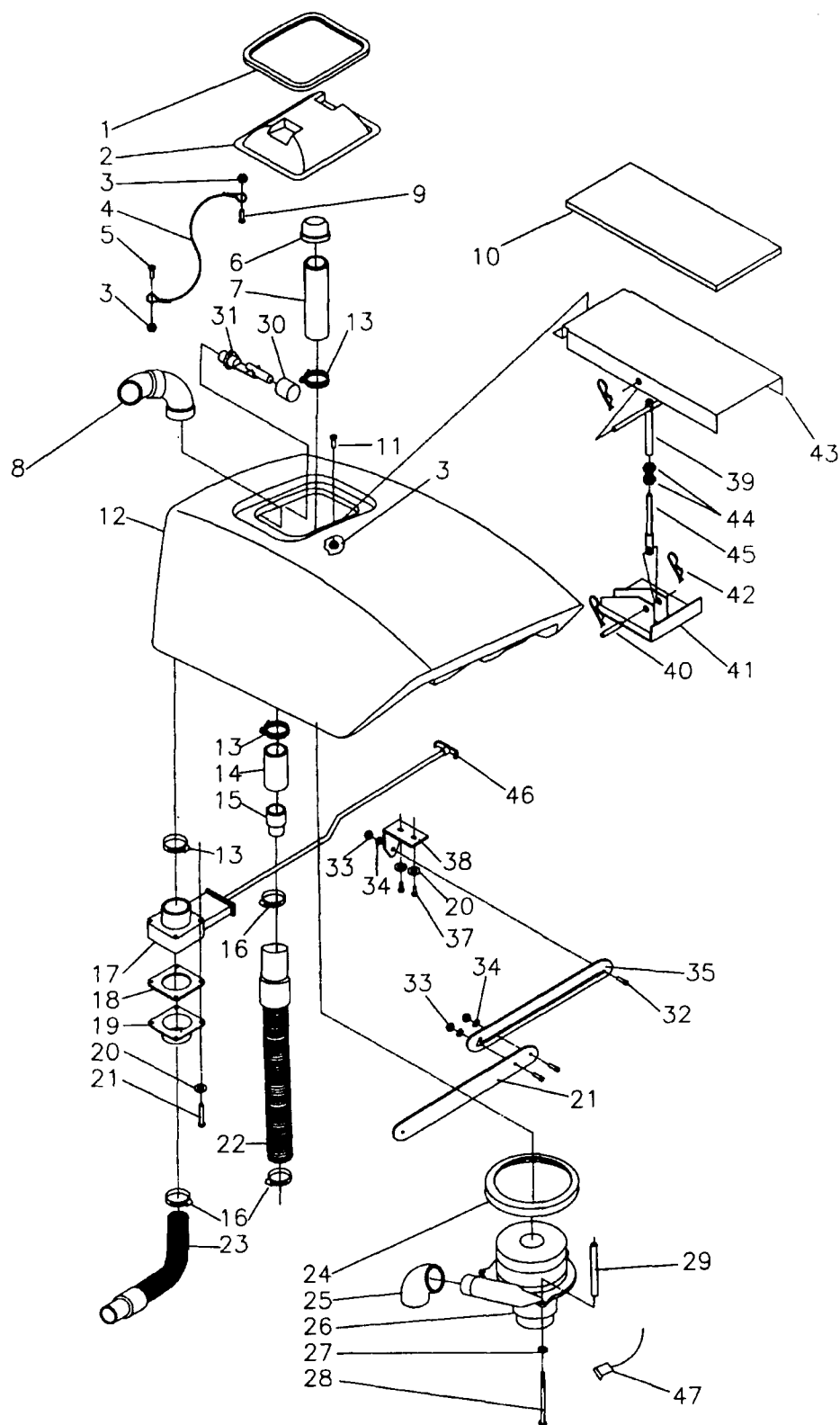
KA-33 SOLUTION TANK PARTS LIST

DET. PART NO.	DESCRIPTION	QUANT.	DET. PART NO.	DESCRIPTION	QUANT.
1 048022	KNOB	1	23 048505	TUBE,VINYL—.500X.750, 6.75L	1
2 056250	LID,TANK—DURASCRUB	1	24 053321	SPRING,COMP—480D,2.75L,.059W	4
3 056379	GASKET,FOAM—EXTR.RECOVERY	1	25 056770	TUBE,VINYL—.375X.500,.750L	2
4 053793	WIRE ROPE—.062 DIA X 10.50L	1	26 005316	SCR TPG F PAN HD 10-24X.375L	5
5 002477	SCR CAP HEX HD .25-20X1.50L,SS	8	27 035257	ASM,PUMP—12V,1GPM	1
6 056524	PLATE,SS—11GA,5.75X13.00	1	28 057083	TUBE,VINYL-.500ID,.750OD,10"L	1
7 056441	TANK,FRONT—MACH'D,33&39AUTOS	1	29 056682	CLAMP,TUBE—750CLAMP DIA.	1
8 005616	SCR MACH RD HD .250-20X.50L,SS	8	30 056659	BRACKET,WATER PUMP—	1
9 004207	WSHR FLT .281ID.562OD.063T BRS	12	31 002278	WSHR LK .262ID.489OD.062TSPLT	8
10 056514	HINGE,BUTT—RS 056291,BLACK	1	32 056338	FRAME,CLAMP TANK SEAL	1
11 049999	CLAMP,HOSE—2.25 MAX DIA,WORM	1	33 002471	SCR CAP SOC HD—25-20X1.25 L	4
12 055070	VALVE,SLIDE—SHUTOFF,1.5PIPE,T	1	34 004254	WSHR LK .267ID.510OD.028T EXT	4
13 004253	WSHR LK .204ID.410OD.025T EXT	1	35 004208	WSHR FLT .281ID.500OD.036T STL	4
14 005456	SCR MACH PAN HD 10-24X.500L	1	36 005628	NUT,SELF-RETAINING—1/4-20,SS	10
15 056593	TUBE,PLSTC—1.66-1.50 REDUCER	1	37 056648	COVER,FRONT—FLAME TREATED	1
16 057801-1	TANK,SKIRT—AUTOS,MACHINED	1	38 002382	SCR TPG F PAN HD 10-B X.500L	1
17 056231	ELBOW,PLASTIC—1/2MPTX1/2BARB	1	39 051207	ADPTR,PP-HS—1/2 MPTX3/8HS,PLS	1
18 005407	WSHR FLT .203ID.562OD.045T STL	1	40 057209	LINE STRAINER—80 MICRON,S.S.	1
19 051117	CLAMP,HOSE—.875 MAX DIA,WORM	6	41 002475	SCR MACH FLAT HD .250-20X.750L	2
20 051514	TUBE,VINYL—.500X.750, 2.25L	1	42 056523	GASKET,FOAM—5.75X13.00,.375T	1
21 006142	ADPTR,PP-HS—3/8 MPTX1/2HS,BRS	2	43 056857	BRACKET,ANGLE—11GA,1.50WIDE	2
22 027145	VALVE,SOLENOID—24V	1	46 057226	PLATE,SS—113ID,.500OD,0.50L	1
6 035454	ASM, valve - side (6+7 glued)		056764	Wiring Diagram	
6 057187	Handle only, valve - alum.		056821	Decal - Daily maint.	
			056822	Decal - 10 min. maint.	

AVAILABLE ASSEMBLIES

035136 ASM, SOLUTION TANK--INCLUDES ITEMS 1-7, 11-18, 31-32, 36, 38-42

KA-33 RECOVERY TANK ASSEMBLY



TM-1461

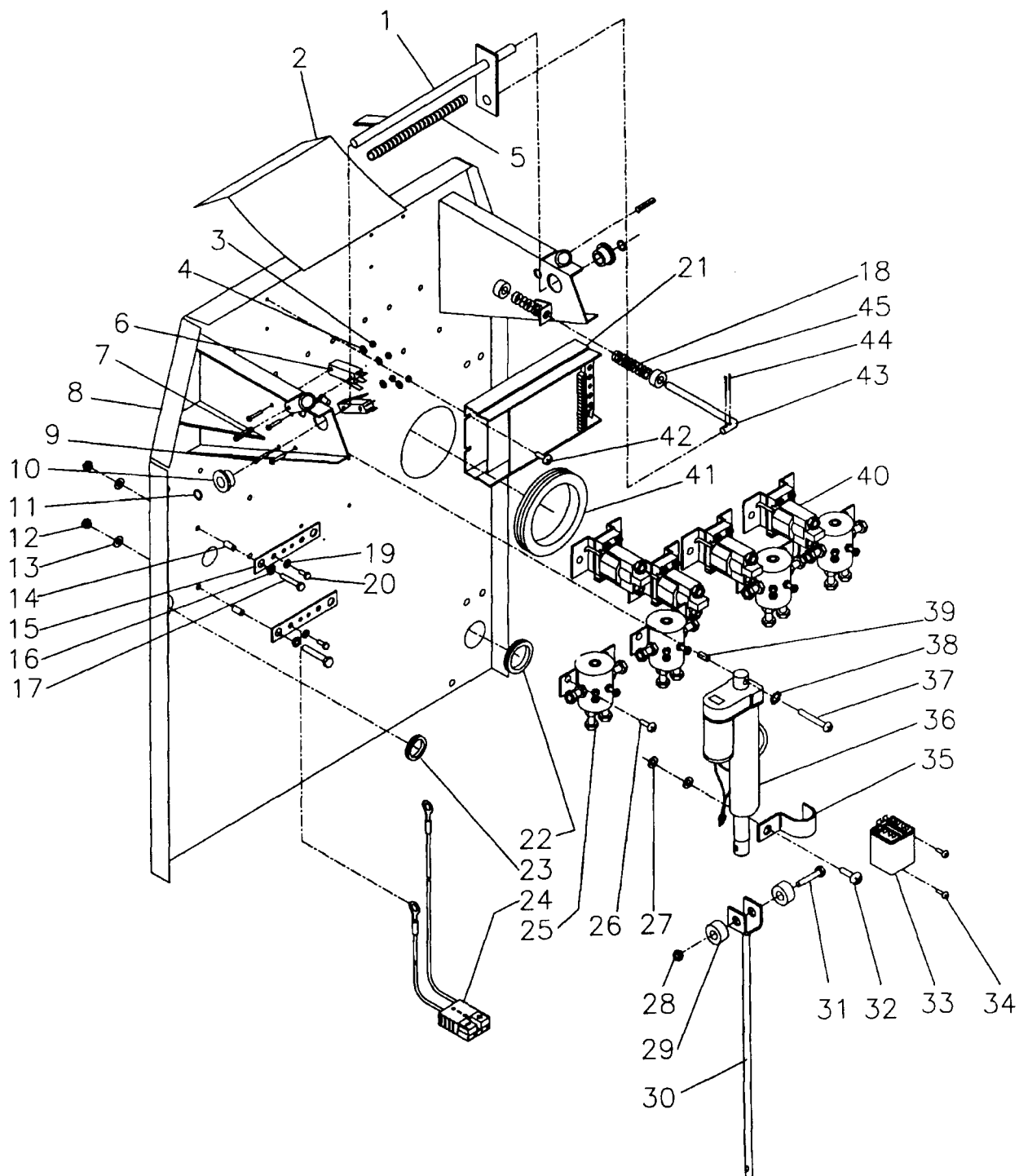
KA-33 RECOVERY TANK PARTS LIST

DET. PART NO.	DESCRIPTION	QUANT.	DET. PART NO.	DESCRIPTION	QUANT.
1 05789C	GASKET,FOAM—EXTR.RECOVERY	1	24 E23788B	RING-MOTOR MOUNTING	1
2 057579	LID,DOMED—DURASCRUB,CLEAR	1	25 056676	ELBOW,PIPE—RS 98402,CUT OFF	1
3 005480	NUT,HEX LOCK— 10-24,NYLOC	3	26 035240	ASM,VAC MTR—36V,3-STAGE	1
4 056617	WIRE ROPE—.062DIA X 6.00L	1	27 004254	WSHR LK .267ID.510OD.028T EXT	7
5 002382	SCR TPG F PAN HD 10-B X.500L	1	28 223213	SCR CAP HEX HD .250-.20X4.00L	3
6 056793	FILTER,SCREEN—1.85ID,SS	1	29 056764	SPACER,PHEN—.265X.500,3.156L	3
7 055494	PIPE,PVC—1.50 SCH40 X 6.00L	1	30 057318	ADPTR,FLOAT—DURA SCRUB	1
8 056758	ASM,ELBOW—RECOVERY TANK	1			
9 002449	SCR MACH PAN HD 10-24X.875L,SS	4	31 057002	SWITCH,FLOAT W/WIRE	2
10 057076	GASKET,SUPPORT—33&39AUTO	1	32 002433	SCR SHLDR SOC HD .250X.500L	3
			33	NUT,HEX—.250-20,SS	3
11 002491	SCR MACH FLAT HD 10-24X1LSS	1	34 005433	WSHR FLT .281ID.750OD.120T STL	3
12 057297	TANK,REC—MACH'D,KA-33SS	1	35 057508-02	BAR,STL—11GA,W/SLOT,PLATED	1
13 049999	CLAMP,HOSE—2.25 MAX DIA,WORM	3	37 001273	SCR MACH RD HD 10-32X.500L	2
14 056675	TUBE,PVC—AUTO	1	38 057504-02	BRACKET,STL—11GA,PLATED	1
15 053894	FITTING—REDUCER,1.58-1.50,PLS	1	39 035326	WDMT,SUPPORT—AUTOS	1
16 046688	CLAMP,HOSE—1.75 MAX DIA,WORM	2	40 057026	PIN,STL—3/8"OD,SS	1
17 057337	VALVE,SLIDE—33SS, plastic handle	1			
18 054762	GASKET,FOAM—,187X2.87X2.87	1	41 035365	WDMT,VAC TANK—SUPPORT,33&39	1
19 035160	WDMT,DRAIN—RECOVERY TANK	1	42 004352	PIN,LOCK—,125 DIA WIRE	4
20 004253	WSHR LK .204ID.410OD.025T EXT	2	43 057075	PLATE,STL—VAC TANK SUPPORT	1
			44 003438	NUT,HEX JAM—.375-16,SST	2
21 057505-02	BAR,STL—11GA,PLATED	1	45 035327	WDMT,SUPPORT—REC TANK	1
22 035129	ASM,HOSE—TANK,1.50 DIA,BLK	1	46 057187	HANDLE,SLIDE VALVE—SERVICE	1
23 035179	ASM,HOSE—DUMP,BLK,1.50 DIA	1	47 039428	BRUSH,MTR—FOR 024373 VAC MTR	2

AVAILABLE ASSEMBLIES

035119 ASM, RECOVERY TANK--INCLUDES ITEMS 1-15, 17-21, 24-35, 37-47

KA-33 BACK PANEL ASSEMBLY



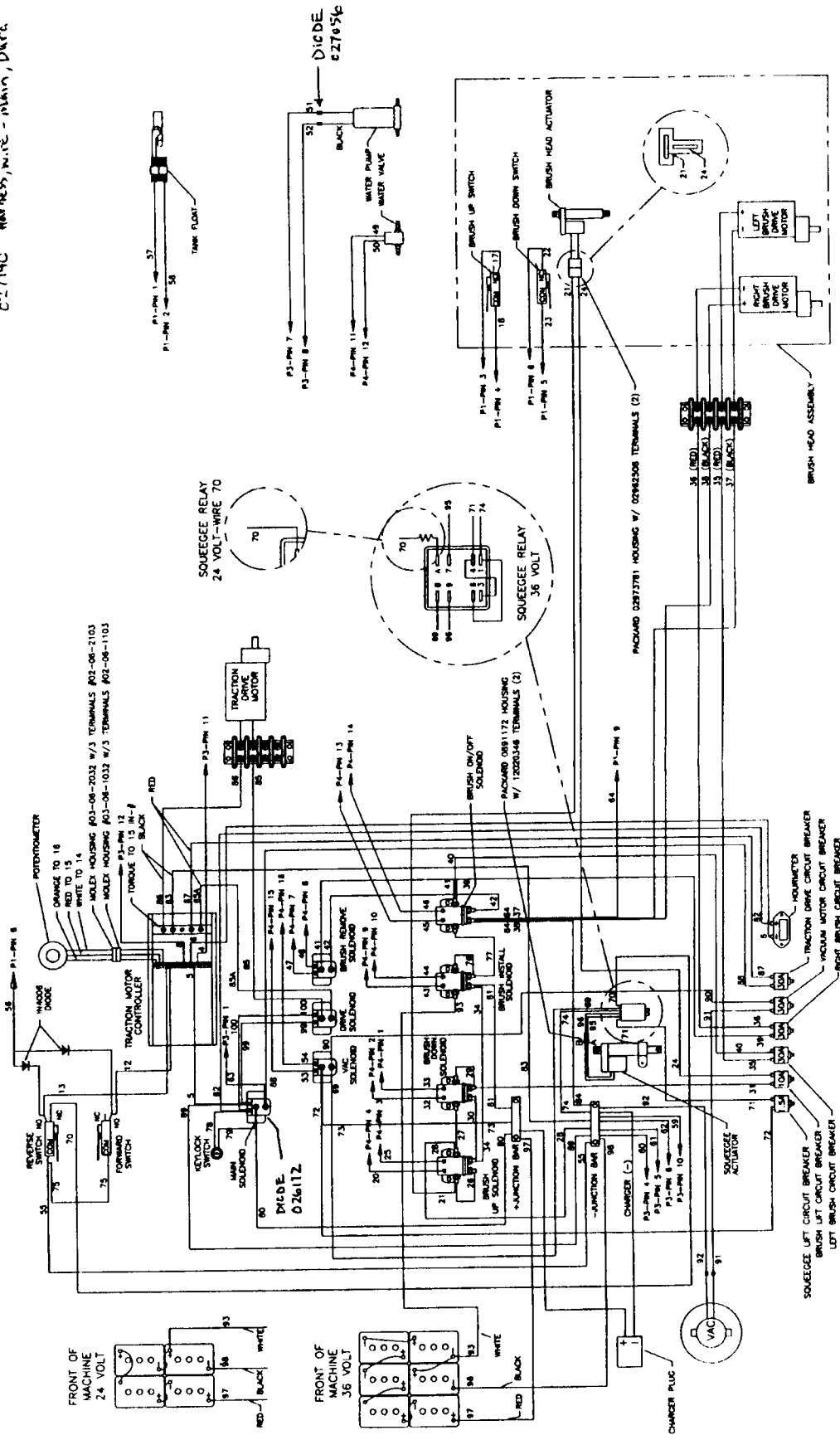
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KA-33 BACK PANEL PARTS LIST

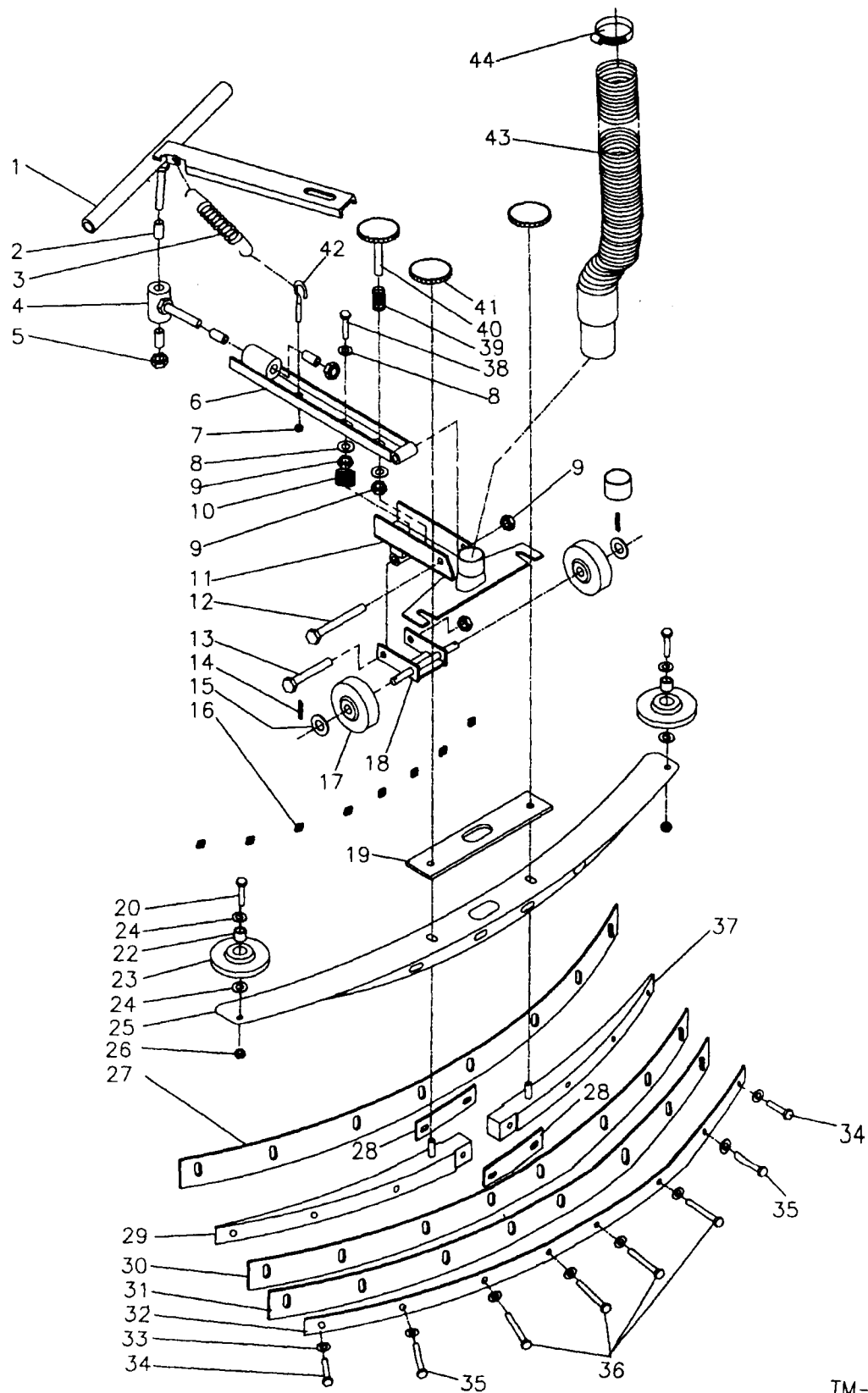
DET.	PART NO.	DESCRIPTION	QUANT.	DET.	PART NO.	DESCRIPTION	QUANT.
1	035384	WDMT,SHAFT—ACTUATOR	1	24	027152	ASM,CHARGER PLUG—2 CNDCT	1
2	027076	INSULATION BARRIER—SPLASH CVR	1	25	026713	SOLENOID DP—SWITCH, 1 V	4
3	003274	NUT,HEX— 6-32,ZN PLT	4	26	001514	SCR TPG F PAN HD .250-20X.375L	16
4	004250	WSHR LK .148ID.250OD.031TSPLT	4	27	004336	WSHR FLT .281ID.875OD.125T STL	2
5	057176	TUBE,PLSTC—SLIT,.81ODX11.0"L	1	28	003363	NUT,HEX LOCK— 250-20,ZN PLT	1
6	026603	SWITCH,LVR—DPST,20A,125-250V	2	29	050575	SPACER,PHEN—.281X.875,.375L	2
7	005624	PIN,ROLL—.312DIA,1.000"L	2	30	035183	WDMT,ACTUATOR—SQUEEGEE	1
8	035463	WDMT,BACK PANEL—KA-33SS	1	31	002282	SCR CAP HEX HD .250-20X2.50L	1
9	001248	SCR MACH RD HD 6-32X1.00L	4	32	002371	SCR TPG F PAN HD 10-24X.625L	1
10	027131	BRG,FLANGE—.500ID.750OD.500W	2	33	027136	RELAY,DPDT—24VDC,10AMPS	1
11	004351	RING,RTNG—EXT,.500 SHAFT,"E"	2	34	005313	SCR TPG F PAN HD 8-32X.312L	2
12	003283	NUT,HEX—.250-20,ZN PLT	4	35	056623	STRAP,CONDUIT—1IN RIGID	1
13	002278	WSHR LK .262ID.489OD.062TSPLT	4	36	027137	ACTUATOR—36V.75LBS.3IN STROKE	1
14	048268	SPACER,PLSTC—.500X.625,.500L	4	37	002267	SCR CAP HEX HD .250-20X1.50L	1
15	048269	BAR,STL—.187X.750X 4.00 LONG	2	38	004254	WSHR LK .267ID.510OD.028T EXT	1
16	004369	WSHR SHLDR.250ID.562OD.120T,NY	4	39	049343	SPACER,STL—.375X.500,.437L,Z	1
17	002269	SCR CAP HEX HD .250-20X1.25L	4	40	026504	SOLENOID—SWITCH.SPNO.36VDC	4
18	056597	SPRING,COMP .480D 2.75L .045WD	2	41	054845	GROM—3.00ID.3.50MHD,.12PA	1
19	004212	WSHR LK .326ID.586OD.078TSPLT	4	42	005316	SCR TPG F PAN HD 10-24X .375L	4
20	003242	SCR CAP HEX HD .312-18X.500L	4	43	053296	ROD,STL—.312 DIA., 6.00 LONG	1
21	027138	CONTROL—DC,PROGRAMMABLE	1	44	004297	PIN,COTTER—.094X .750 LONG	2
22	056672	GROM—2"IDX2.44MHDX.12PA	1	45	048987	COLLAR-CENTERING SPRING	2
23	055434	GROM—1.0ID,1.25MHD,.125PA	1				

WIRE DIAGRAM

C-27140 Harness, wire - main, Data



KA-33 SQUEEGEE ASSEMBLY



TM-1457

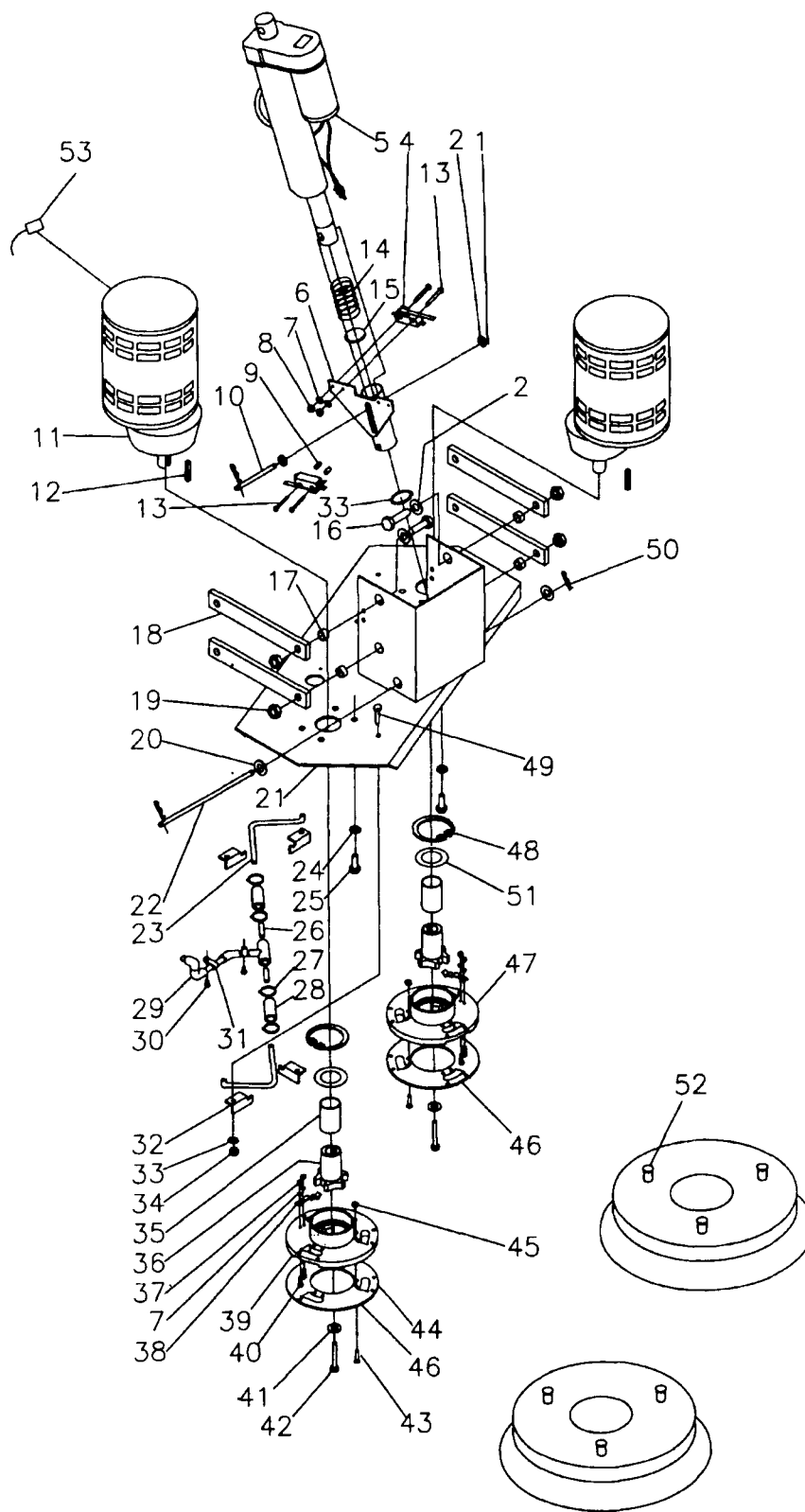
KA-33 SQUEEGEE PARTS LIST

DET.	PART NO.	DESCRIPTION	QUANT.	DET.	PART NO.	DESCRIPTION	QUANT.
1	035139	WDMT,SQUEEGEE LIFT—33&39AUTO	1	24	004218	WSHR FLT .344ID.750OD.060T STL	4
2	027171	BRG,SLV—.500ID,.625OD,.750W	4	25	035100	WDMT,SQUEEGEE—33AUTO	1
3	051136	SPRING,EXT .750D 2.92L .104WD	1	26	003378	NUT,HEX LOCK—.312-18,ZN PLT	2
4	035150	WDMT,SQUEEGEE PIVOT—33&39AUTO	1	27	056428	RUBBER,SQUEEGEE—33AUTO,FRONT	1
5	003370	NUT,HEX LOCK—.500-13,ZN PLT	2	28	056461	CLAMP,SQUEEGEE—11GA,5.00L	2
6	035137	WDMT,SQUEEGEE BAR—33&39AUTOS	1	29	056454	SPACER,SQUEEGEE—33AUTO,LEFT	1
7	005479	NUT,HEX LOCK—.250-20,NYLOC,ZN	1	30	056429	RUBBER,SQUEEGEE—33AUTO,REAR	1
8	005219	WSHR FLT .406ID1.00OD.071T STL	4	31	056430	RUBBER,SQUEEGEE—33AUTO,BACKUP	1
9	003368	NUT,HEX LOCK—.375-16,ZN PLT	4	32	056455	STRAP,SQUEEGEE—33AUTO	1
10	056808	SPRING,COMP—.970D,.750L,.072W	1	33	004531	WSHR FLT .281ID.625OD.080T,SS	8
11	035138	WDMT,SQUEEGEE BRACKET—33&39	1	34	002454	SCR CAP HEX HD .250-20X1.50L	2
12	002445	SCR CAP HEX HD .375-16-2.50L	1	35	002476	SCR CAP HEX HD .250-20X2.00L	2
13	003268	SCR CAP HEX HD .375-16X3.00L	1	36	002455	SCR CAP HEX HD .250-20X2.50L	4
14	005383	PIN,COTTER—.094X1.000 LONG	2	37	056434	SPACER,SQUEEGEE-33AUTO,RIGHT	1
15	004223	WSHR FLT .406ID.625OD.036T STL	2	38	002332	SCR CAP HEX HD .375-16X1.75L	1
16	005591	NUT,SELF RETAINING—.250-20	8	39	056585	SPRING,COMP .845D 1.75L .085WD	1
17	057193	WHEEL,PLASTIC—3"OD,3/8"BORE	2	40	035163	ASM,KNOB—ADJUSTMENT,.375-16	1
18	035138	WDMT,BRACKET—SQUEEGEE WHEEL	1	41	047484	KNOB	2
19	056466	GASKET,SQUEEGEE—.187X2.9.75L	1	42	005594	BOLT,EYE—.250-20 X1.0 SHANK	1
20	003249	SCR CAP HEX HD .312-18X1.25L	2	43	035302	ASM,HOSE—SQUEEGEE,1.5DIA,BLK	1-18"long
22	053699	SPACER,STL—.312X.437,.43L	2	44	046688	CLAMP,HOSE—1.75 MAX DIA,WORM	1
23	053720	WHEEL—4.00DIA,.438BORE,.688HB	2				

AVAILABLE ASSEMBLIES

035133 ASM, SQUEEGEE--INCLUDES ITEMS 16, 19-37
 035140 ASM, SQUEEGEE LINKAGE--INCLUDES ITEMS 1-18, 38-41
 039566 ASM, Squeegie rubber set, items 27, 30, 31

KA-33 BRUSH HEAD ASSEMBLY



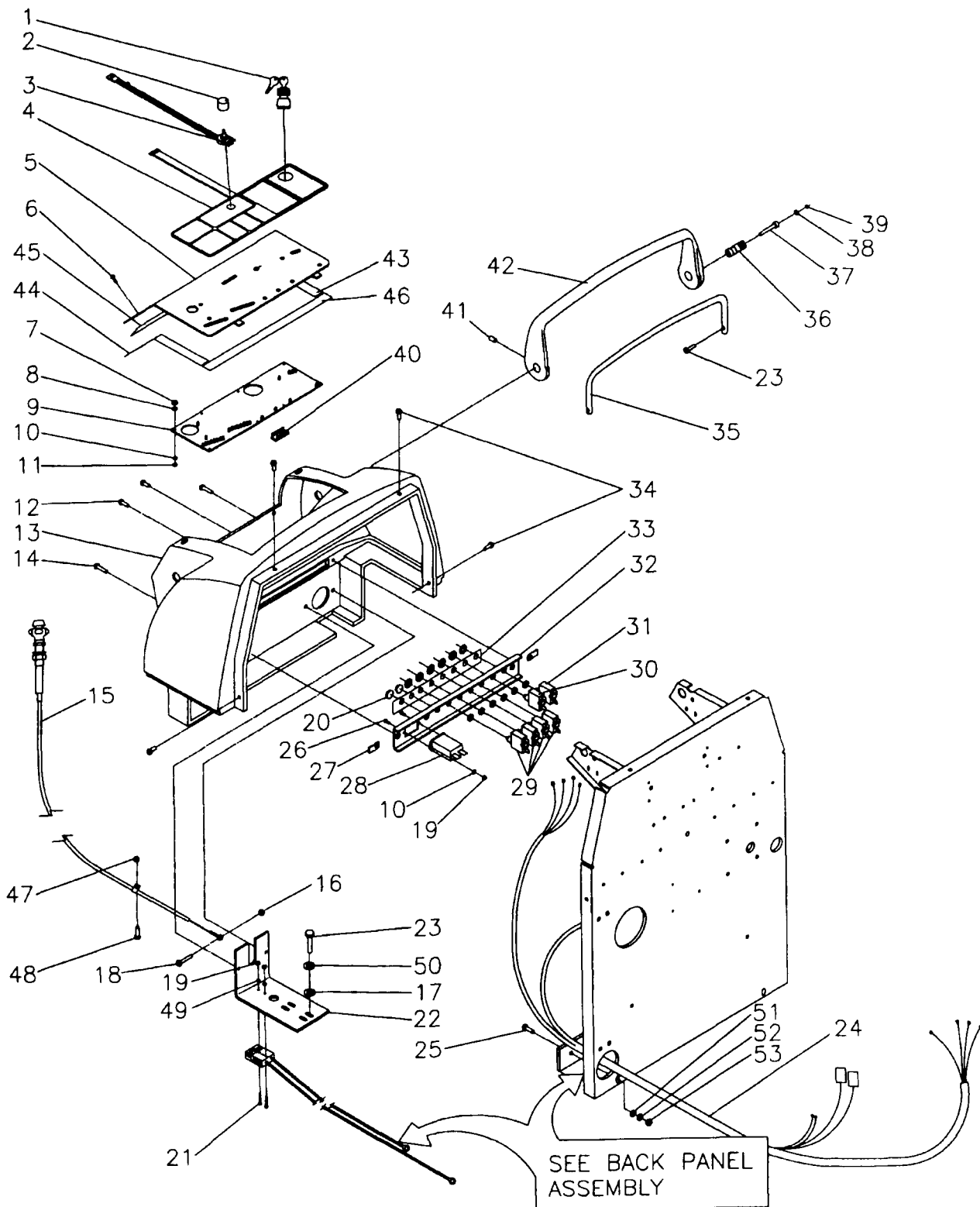
KA-33 BRUSH HEAD PARTS LIST

DET.	PART NO.	DESCRIPTION	QUANT.	DET.	PART NO.	DESCRIPTION	QUANT.
1	005200	PIN,COTTER—.125X1.000 LONG	1	28	051514	TUBE,VINYL—.500X.750, 2.25L	2
2	004238	WSHR FLT .531ID1.00OD.071T STL	4	29	035333	ASM,TUBE—PVC,SOL.33"	1
3	005227	WSHR FLT .531ID.875OD.036T STL	2	30	005316	SCR TPG F PAN HD 10-24X.375L	2
4	026603	SWITCH,LVR—DPST,20A,125-250V	2				
5	024368	ACTUATOR,DC—36V,500LBS,6IN	1	31	051474	CLAMP,LOOP—609 CLOSED I.D.	2
6	035547-02	WDMT,ACTUATOR TUBE—BRUSH LIFT	1	32	053277	BRACKET,SOLN TUBE—.75X.75X1.8	4
7	004250	WSHR LK .148ID.250OD.031TSPLT	8	33	046762	RING,RTNG—INT.1.18 CYL,N5000	1
8	003274	NUT,HEX— 6-32,ZN PLT	4	34	003363	NUT,HEX LOCK—.250-20,ZN PLT	4
9	046425	SPACER,PHEN—.250X.437, .250L	2	35	056464	TUBE,SS—1.50OD.16GA,1.937L	2
10	056155	PIN—ACTUATOR	1	36	056445	SHAFT,DRIVE—BRUSH,AUTOS	2
11	039623	Shaft & Gear		37	003466	NUT,HEX— 6-32,SS	4
11	024440	ASM,MTR&GEAR UNIT—36V,W/RINGS	2	38	056468	CLIP,RETAINING—BRUSH LUG	2
12	051663	KEY,SQUARE—.250SQ,1.50L	2	39	056447	HUB,DRIVE—BRUSH,AUTOS,RIGHT	1
13	005261	SCR MACH RD HD 6-32X1.25L	4	40	001515	SCR MACH PAN HD 6-32X.500L	4
14	054427	SPRING,COMP—1.09D 2.50L.135WD	1				
15	056639	PLATE,STL—13GA,1.125DIA	1	41	005358	WSHR LK—.326ID.586OD.078T SPL	2
16	003270	SCR CAP HEX HD .500-13X1.25L	4	42	002499	SCR CAP SOC HD .312-18X2.00L	2
17	056473	SPACER,STL—.531X.750C.218L,Z	4	43	002473	SCR MACH FLAT HD 10-24X.875L	12
18	056254	BAR,STL—.375X1.25, 9.25L	4	44	057159	PLATE,SS—BRUSH MTG RING,RIGHT	1
19	003370	NUT,HEX LOCK—.500-13,ZN PLT	4	45	222224	NUT,HEX LOCK— 10-24,ZN PLT	12
20	005219	WSHR FLT .406ID1.00OD.071T STL	2	46	057160	PLATE,SS—BRUSH MTG RING,LEFT	1
				47	056446	HUB,DRIVE—BRUSH,AUTOS,LEFT	1
21	035078	WDMT,BRUSH HEAD—33 DURASCRUB	1	48	004529	RING,RTNG—INT.2.375 BORE	2
22	056474	SHAFT,STL—.375DIA, 8.00L	1	49	002459	SCR CAP HEX HD .250-20X.500LSS	4
23	055297	TUBE,FORMED—AUTO,SOLN,RIGHT	2	50	004352	PIN,LOCK—.125 DIA WIRE	2
24	004214	WSHR LK .390ID.683OD.094TSPLT	8				
25	003262	SCR CAP HEX HD .375-16X1.00L	8	51	004548	WSHR FLT 1.770ID2.342OD.078T	2
26	055296	TUBE,VINYL—.313X.500,1.75L	2	52	005630	LUG,BRUSH—.250-20 THREAD	6
27	051117	CLAMP,HOSE—.875 MAX DIA,WORM	4	53	039276	BRUSH,MTR—FOR 024372&027153	8

AVAILABLE ASSEMBLIES

- 035079 ASM, BRUSH HEAD--INCLUDES ITEMS 1-51, 53
- 035121 ASM, SOLUTION LINE--INCLUDES ITEMS 23, 26-31
- 035131 ASM, DRIVE HUB, RIGHT--INCLUDES ITEMS 7, 35-45, 48, 51
- 035132 ASM, DRIVE HUB, LEFT--INCLUDES ITEMS 7, 35-38, 40-43, 45-48, 51

KA-33 REAR COVER ASSEMBLY



TM-1459

KA-33 REAR COVER PARTS LIST

DET.	PART NO.	DESCRIPTION	QUANT.	DET.	PART NO.	DESCRIPTION	QUANT.
1	057143	Master Key		28	027147	HOURMETER—10-80VDC, RECTANG	1
2	026584	STARTER SWITCH-LOCKING	1	29	026198	CIRCUIT BREAKER—30AMP, SCR TRM	4
3	056596	KNOB, PLASTIC—BLACK, .92 DIA X .95	1	30	026751	CIRCUIT BREAKER—10AMP	1
4	027157	ASM, POTENTIOMETER—W/PLUG	1				
5	027128	SWITCH PANEL—MEMBRANE, AUTOS	1	31	027146	CIRCUIT BREAKER—1.5AMP	1
6	035128	WDMT, INSTR PANEL—33&39	1	32	056499	PANEL, CIRCUIT BREAKER—AUTOS	1
7	002382	SCR TPG F PAN HD 10-B X .500L	6	33	056649	LABEL, IDENT—CIRCUIT BREAKERS	1
8	046425	SPACER, PHEN— .250X .437, .250L	8	34	002371	SCR TPG F PAN HD 10-24X .625L	4
9	004200	WSHR FLT, .156ID .310OD .065T BRS	8	35	056595	HANDLE, STL— .625DIA, PAINTED	1
10	004249	BOARD, CIRCUIT—SYSTEM, 3	1	36	056359	SHAFT, STL— .750DIA, 1.75L	2
		WSHR LK .150ID .320OD .022T EXT	10	37	002337	SCR CAP SOC HD 250-20X1.50L	2
11	003274	NUT, HEX— 6-32, ZN PLT	8	38	004208	WSHR FLT .281ID .500OD .036T STL	2
12	002343	SCR TPG F PAN HD .250-20X .500L	2	39	056761	RING, RTNG—INT, .500BORE, N5000	2
13	056368	COVER, REAR—MACHINED, AUTOS	1	40	027156	MICROCONTROLLER—STD	1
14	002334	SCR MACH RD HD .250-20X .750L	2				
15	056323	ASM, CABLE—BRAKE, VERNIER CNTRL	1	41	005387	SCR SET CUP PT .312-18X .500L	2
16	005479	NUT, HEX LOCK— .250-20, NYLOC, ZN	2	42	056594	HANDLE, ACTUATOR—AUTOS, PAINTED	1
17	004254	WSHR LK .267ID .510OD .028T EXT	4	43	057308	GASKET— .125x .500, 8.656L, LEFT	1
18	005456	SCR MACH PAN HD 10-24X .500L	2	44	057309	GASKET— .125x .500, 8.656I	1
19	003274	NUT, HEX— 6-32, ZN PLT	4	45	057310	GASKET— .125x .500, 11.75L	1
20	057103	PLUG, BUTTON— .500MHD, BLACK, PLS	2	46	057306	GASKET— .125x .500, 13.75L, TOP	1
				47	005480	NUT, HEX LOCK— 10-24, NYLOC	1
21	001248	SCR MACH RD HD 6-32X1.00L	2	48	002243	SCR CAP HEX HD 250-20X .625L	1
22	056840	BRACKET, STL—11GA, BRAKE	1	49	004250	WSHR LK .148ID .250OD .031TSPLT	2
23	005478	SCR MACH RD HD .250-20X .500L	2	50	002278	WSHR LK .262ID .489OD .062TSPLT	2
24	027140	HARNESS, WIRE—MAIN, DURASCRUB	1				
25	003244	SCR CAP HEX HD .312-18X .750L	2	51	004218	WSHR FLT .344ID .750OD .060T STL	2
26	223188	SCR MACH PAN HD 6-32X .500L	2	52	004212	WSHR LK .326ID .586OD .078TSPLT	2
27	003429	NUT, SPEED, U— .250-20, .58X1.125	2	53	003349	NUT, HEX— .312-18, ZN PLT	2
				54	057243	KEY, AUTOMATICS—FOR P/N 026584	1

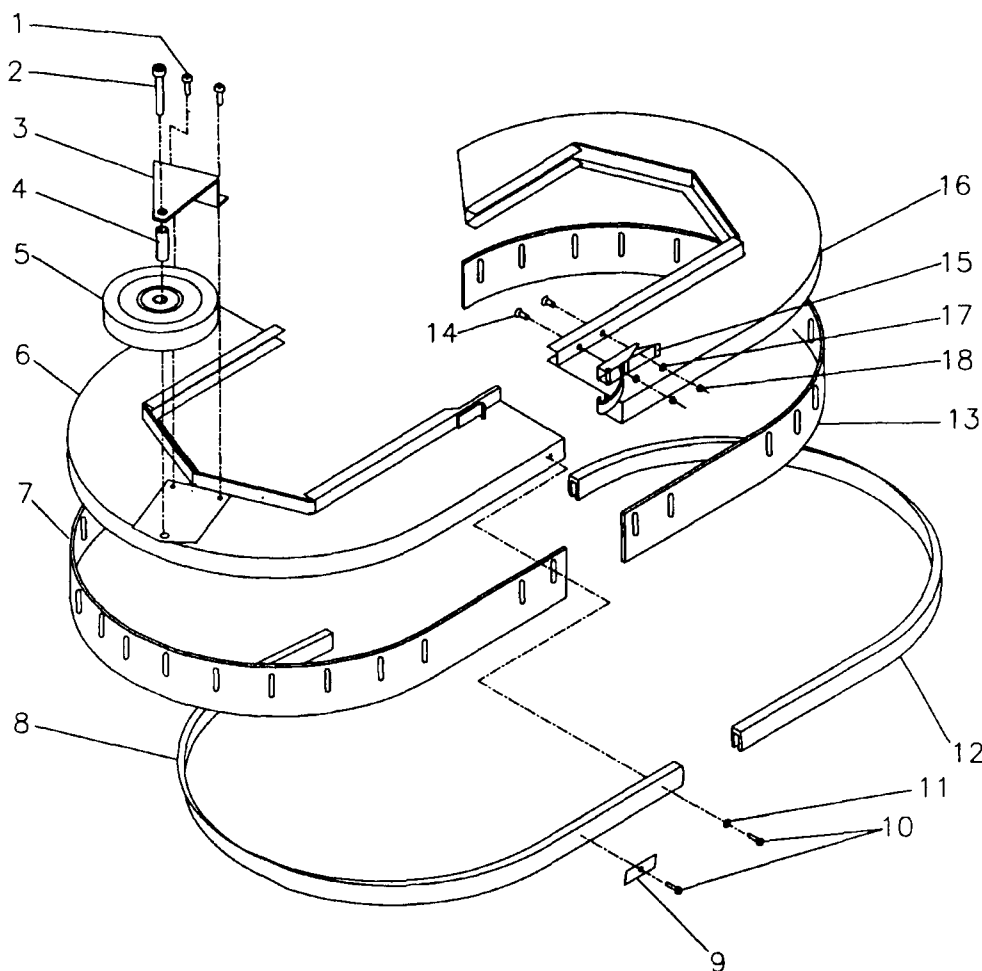
29 00 2373

29 00 4249

AVAILABLE ASSEMBLIES

035127 ASM, INSTRUMENT PANEL--INCLUDES ITEMS 1, 2, 4, 5, 7-11, 40, 43-46

KA-33 BRUSH COVER ASSEMBLY



TM-1462

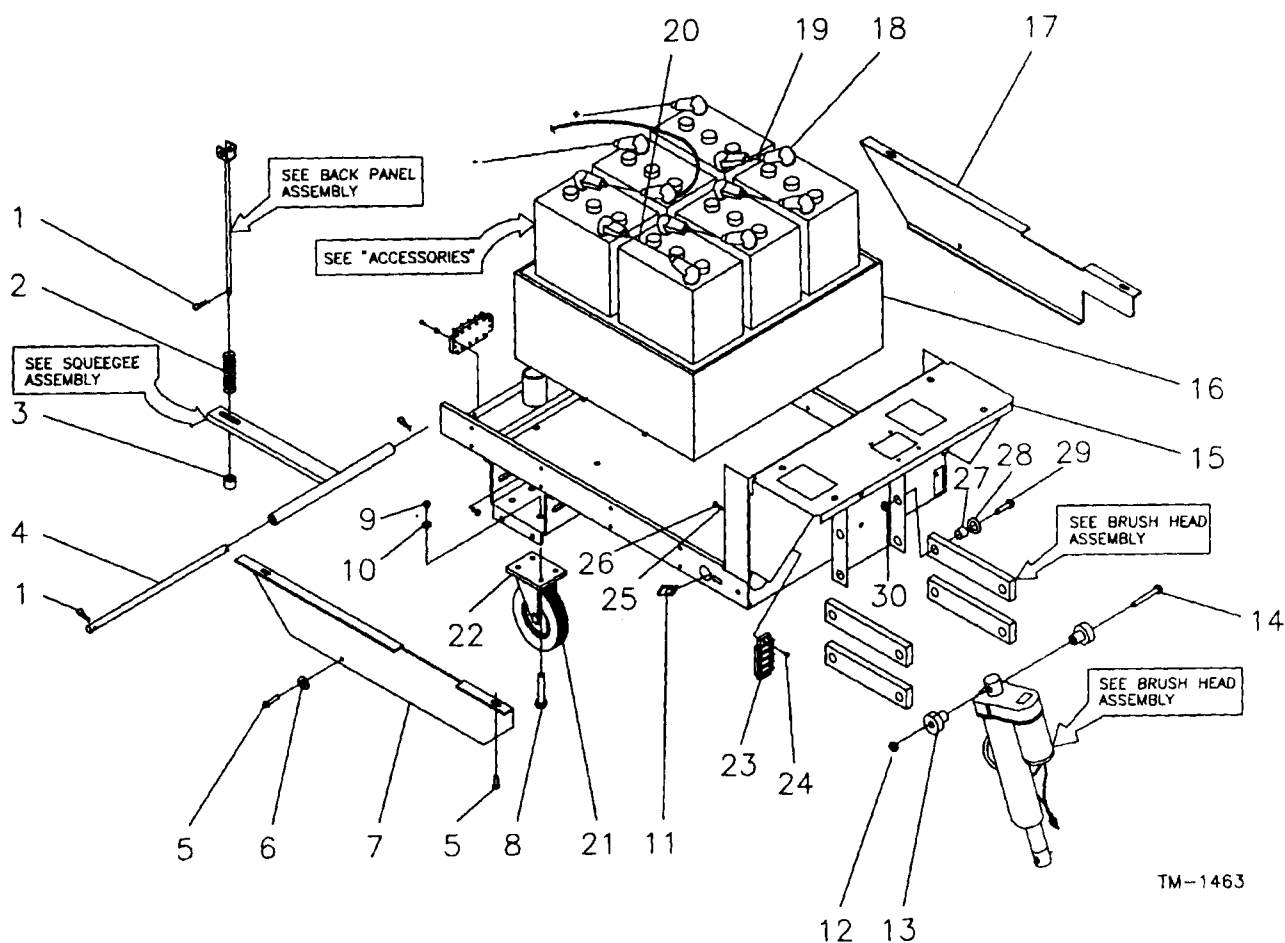
DET.	PART NO.	DESCRIPTION	QUANT.	DET.	PART NO.	DESCRIPTION	QUANT.
1	002357	SCR MACH PAN HD .250-20X.625L	2	10	004542	SCR TPG F PAN HD 10-24X.875L	22
2	005536	SCR CAP SOC HD .375-16X2.00L	1	11	005323	WSHR FLT .203ID.500OD.036T STL	4
3	056701	BRACKET, BUMPER WHEEL— AUTO	1	12	056493	CHANNEL, VINYL—BRUSH CVR, LT	1
4	056684	SPACER, STL—.500X17GA, 1.50L, Z	1	13	056491	GUARD, SPLASH— AUTO, LEFT	1
5	056673	WHEEL, BLACK—5" OD	1	14	001288	SCR MACH FLAT HD 10-24X.500L	2
6	035115	WDMT, BRUSH COVER— AUTO, RT	1	15	054306	CLAMP, TOGGLE—BLACK, 1.62 LATCH	1
7	056490	GUARD, SPLASH— AUTO, RIGHT	1	16	035115	WDMT, BRUSH COVER— AUTO, LEFT	1
8	056492	CHANNEL, VINYL—BRUSH CVR, RT	1	17	003279	NUT, HEX— 10-24, ZN PLT	2
9	052006	STR, STL—.062X.437X1.50 LONG	18	18	005297	WSHR LK .200ID.334OD.047TSPLT	2

AVAILABLE ASSEMBLIES

- 035124 ASM, BRUSH COVER, LEFT--INCLUDES ITEMS 9-18
 035125 ASM, BRUSH COVER, RIGHT--INCLUDES ITEMS 1-11

TM-1466

KA-33 FRAME ASSEMBLY AND PARTS LIST

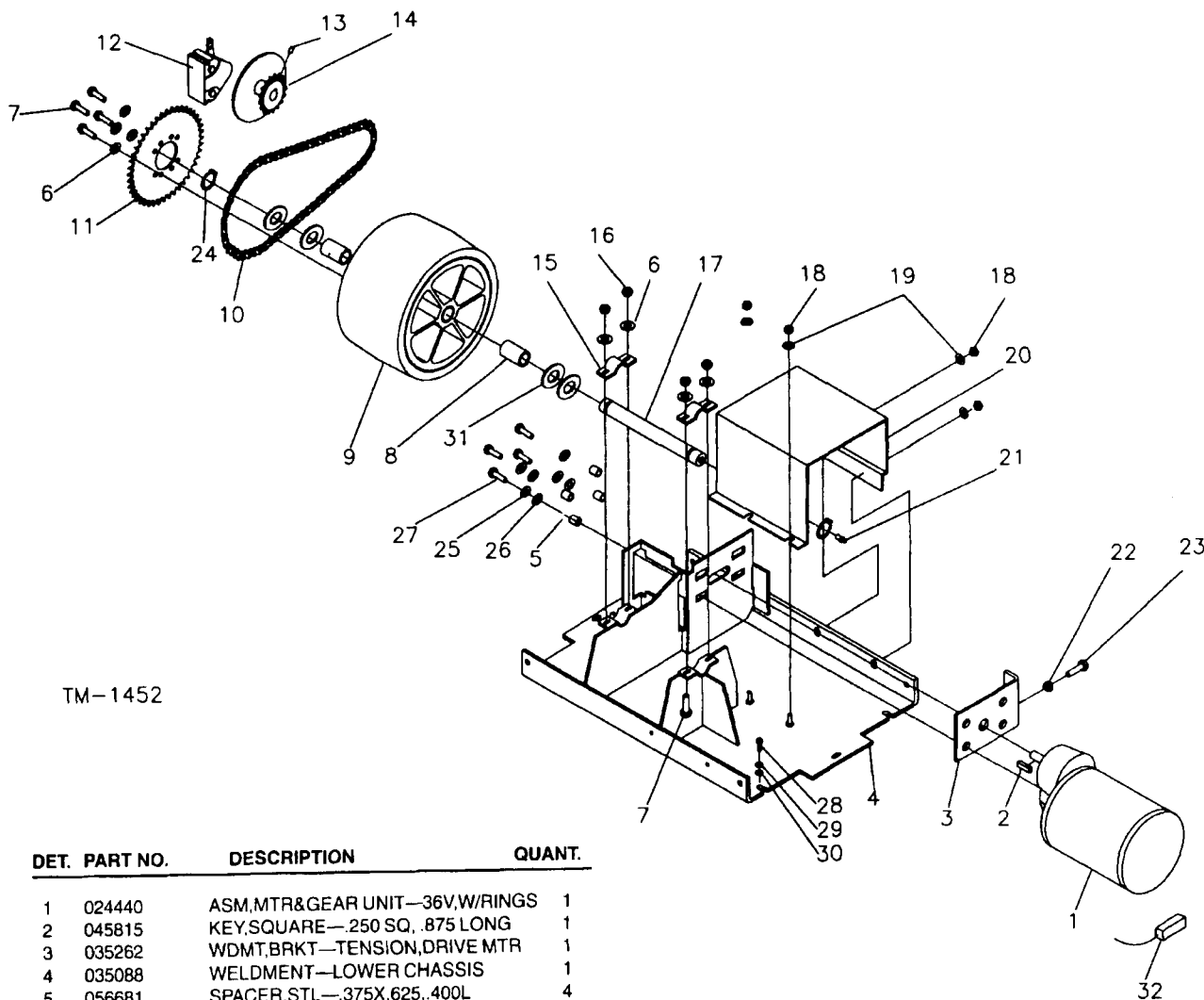


TM-1463

DET.	PART NO.	DESCRIPTION	QUANT.	DET.	PART NO.	DESCRIPTION	QUANT.
1	004352	PIN, LOCK— .125 DIA WIRE	3	16	053534	BOX, BATT—32" AUTO'S, MACHINED	1
2	056618	SPRING, COMP— .845D, 3.50L, 100WD	1	17	056357	SKIRT, LOWER—LEFT, DURASCRUB	1
3	056683	SPACER, STL— .391X.625, .500L, Z	1	18	054186	BOOT, INSULATOR—BATT TERMINALS	12
4	056371	SHAFT, STL— .375 DIA, 14.62L	1	19	025085	ASM, WIRE—6GA, BLK, 10.2L, RINGS	4
5	002480	SCR MACH PAN HD .250-20X.625L	6	20	025274	ASM, WIRE—6GA, BLK, 14.0L, RINGS	1
6	004254	WSHR LK .267ID.510OD.028T EXT	6	21	039563	KIT, WHEEL&AXLE—FOR 055658	2
7	056358	SKIRT, LOWER—RIGHT, DURASCRUB	1	21	055658	CASTER, SWIVEL—5.0 DIA, 700 LB	2
8	003262	SCR CAP HEX HD .375-16X1.00L	8	23	026111	TERMINAL BLOCK—4 GERM, 50AMP	2
9	003293	NUT, HEX— .375-16, ZN PLT	8	24	005457	SCR MACH PAN HD 10-24X1.00L	8
10	004214	WSHR LK .390ID.683OD.094TSPLT	8	25	004253	WSHR LK .204ID.410OD.025T EXT	8
11	003429	NUT, SPEED, U— .250-20, 58X1.125	4	26	003279	NUT, HEX— 10-24, ZN PLT	8
12	005279	NUT, HEX LOCK— .375-16, NYLOC	1	27	056473	SPACER, STL— .531X.750C .218L, Z	4
13	054502	BSHG, SLV— .377ID.498OB1.00FLNG	2	28	004238	WSHR FLT .531ID1.00OD.071T STL	4
14	003267	SCR CAP HEX HD .375-16X2.75L	1	29	003270	SCR CAP HEX HD .500-13X1.25L	4
15	035089	WDMT—UPPER CHASSIS	1	30	003370	NUT, HEX LOCK— .500-13, ZN PLT	4
				19	025452	Red, Batt. +	
				19	025445	Black, Batt. -	

TM-1463

KA-33 CHASSIS ASSEMBLY AND PARTS LIST



TM-1452

DET.	PART NO.	DESCRIPTION	QUANT.
1	024440	ASM.MTR&GEAR UNIT—36V,W/RINGS	1
2	045815	KEY,SQUARE—.250 SQ. .875 LONG	1
3	035262	WDMT,BRKT—TENSION,DRIVE MTR	1
4	035088	WELDMNT—LOWER CHASSIS	1
5	056681	SPACER,STL—.375X.625.400L	4
6	004212	WSHR LK .326ID.586OD.078TSPLT	8
7	003244	SCR CAP HEX HD .312-18X.750L	8
8	027130	BEARING,SLEEVE—1"ID,1.25"OD	2
9	035097	ASM,WHEEL—10"OD,AUTO'S	1
10	056448	CHAIN,ROLLER—#40,70LK&CONN	1
9	056242-1	Polywheel	1
11	051376	SPROCKET,CHAIN—#40,.500P,44T	1
12	056245	BRAKE,MECHANICAL—CALIPER	1
13	002234	SCR SET CUP PT .250-20X.500L	1
14	035141	WDMT,SPROCKET—DURASCRUB	1
15	056327	CLAMP,AXLE—BLACK	2
16	003349	NUT,HEX—.312-18,ZN PLT	4
17	056258	AXLE—1.00 DIA X 9-5/16"L	1
18	003283	NUT,HEX—.250-20,ZN PLT	4
19	002278	WSHR LK .262ID.489OD.062TSPLT	4
20	056405	COVER,MOTOR—AUTOMATICS	1

10 044741 Master Link

AVAILABLE ASSEMBLIES

035096 ASM, LOWER CHASSIS--INCLUDES ITEMS 1-32

DET.	PART NO.	DESCRIPTION	QUANT.
21	054330	ZERK,GREASE—.250-28 THREAD	1
22	003294	NUT,HEX JAM—.375-16,ZN PLT	1
23	002332	SCR CAP HEX HD .375-16X1.75L	1
24	048537	RING,RTNG—EXT,.984 SHAFT,5160	2
25	004214	WSHR LK .390ID.683OD.094TSPLT	4
26	004384	WSHR FLT .406ID.875OD.064T STL	4
27	003264	SCR CAP HEX HD .375-16X1.25L	4
28	003259	SCR CAP HEX HD .375-16X.625L	4
29	004215	WSHR LK .398ID.694OD.040T EXT	4
30	004318	WSHR FLT .375ID1.06OD.120T STL	4
31	004330	WSHR FLT 1.05ID1.50OD.036T STL	4
32	039276	BRUSH,MTR—FOR 024372&027153	4

TM-1452