Spare Parts List

(1.012-576.0, 1.012-577.0)

Chariot 2 iVac 24 ATV

From Serial Number (Ref No. 2*)
* See Serial Number page
or call manufacturer

86398790-Y 08/07/17

How to Use this Spare Parts List

The PARTS LIST section contains assembled parts illustrations and corresponding parts list. The parts lists include a number of columns of information:

REF - column refers to the reference number on the parts illustration.

PART NO. - column lists the part number for the part.

QTY - column lists the quantity of the part used in that area of the machine.

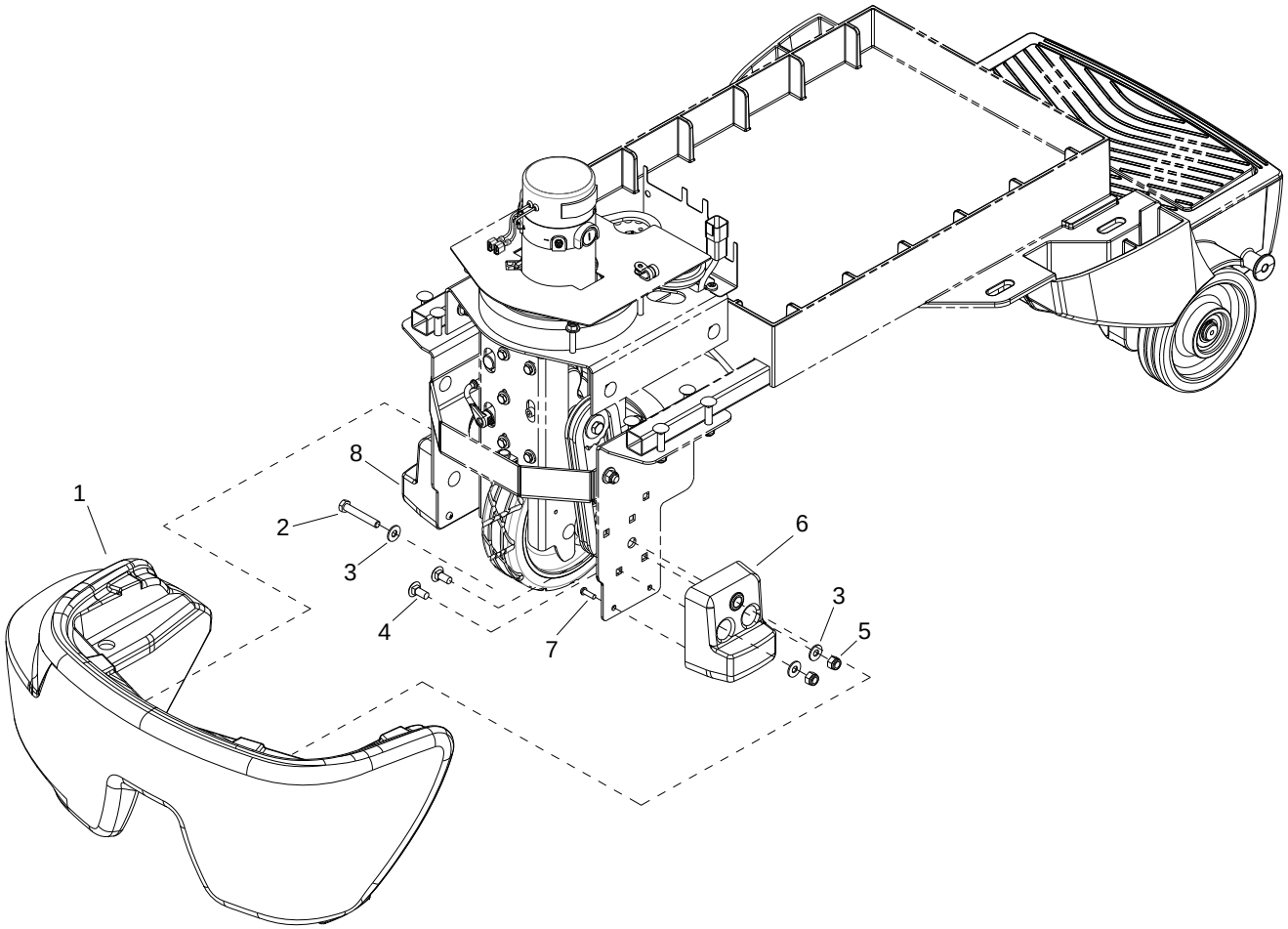
DESCRIPTION - column is a brief description of the part.

SERIAL NO. FROM - If this column has an (*) and a Reference number, see the SERIAL NUMBERS page in the back of your manual. If column has two asterisk (**), call manufacturer for serial number. The serial number indicates the first machine the part number is applicable to. The main illustration shows the most current design of the machine. When a boxed illustration is shown, it displays the older design.

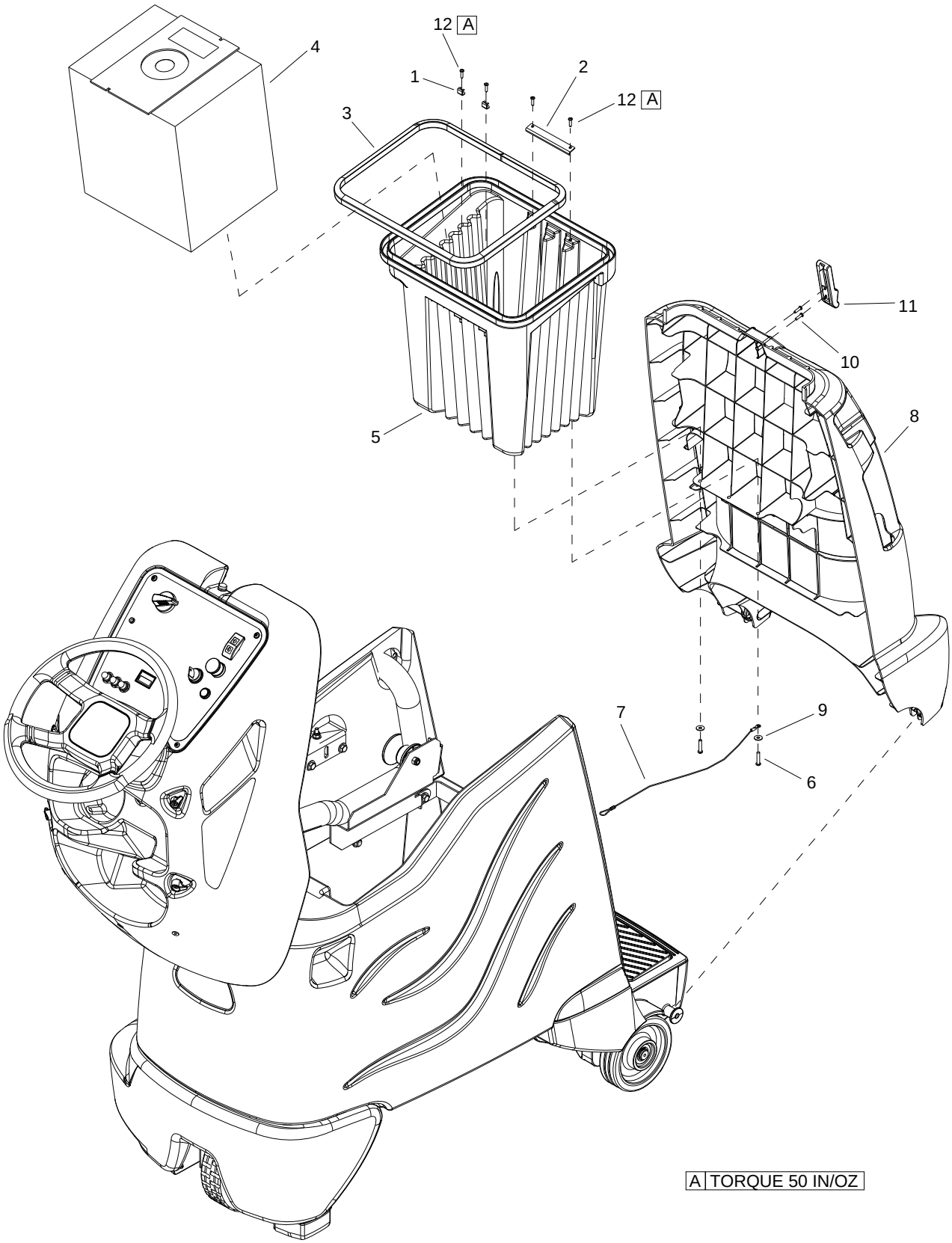
NOTES - column for information not noted by the other columns.

If a service or option kit is installed on your machine, be sure to keep the KIT INSTRUCTIONS which came with the kit. It contains replacement parts numbers needed for ordering future parts.

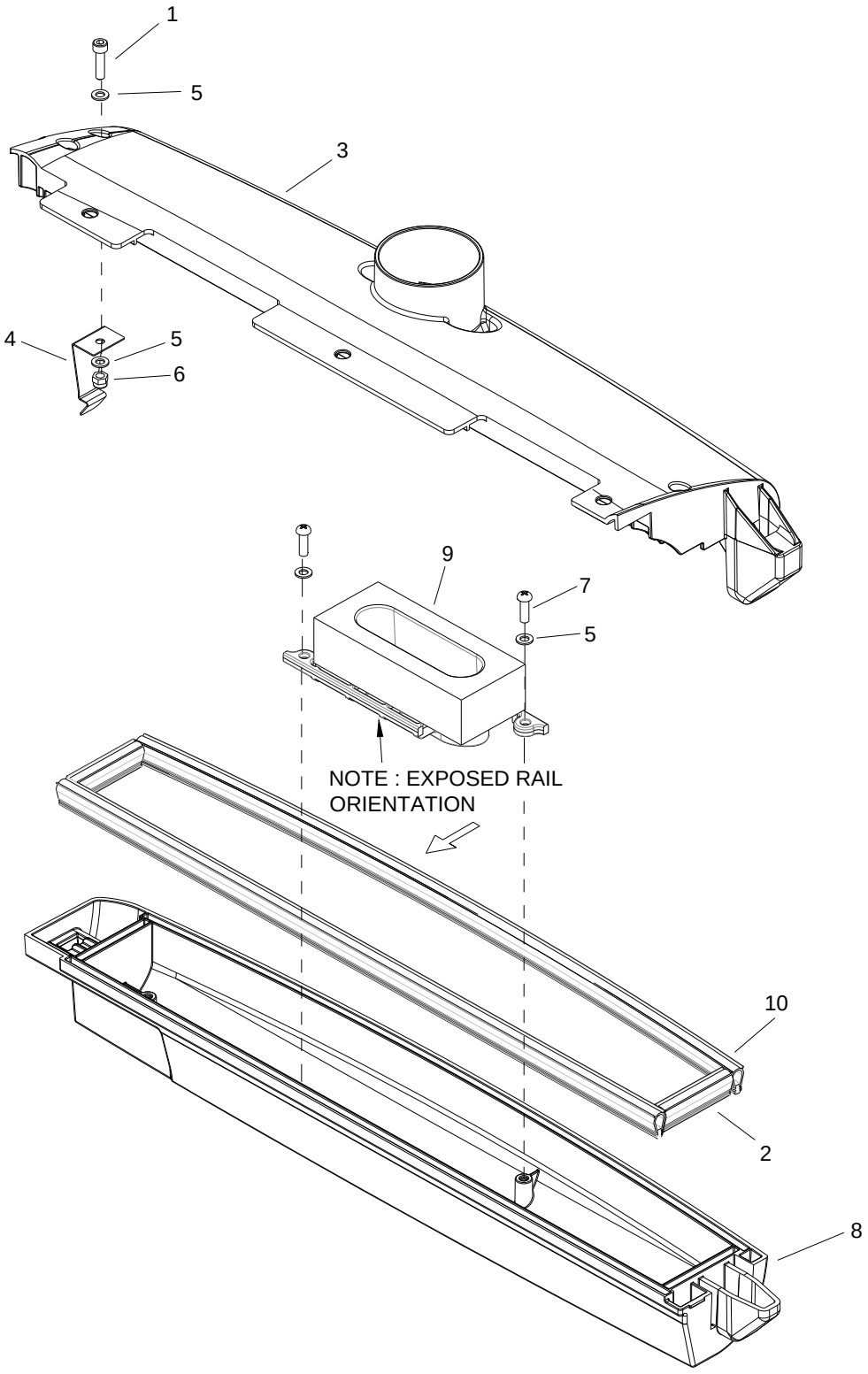
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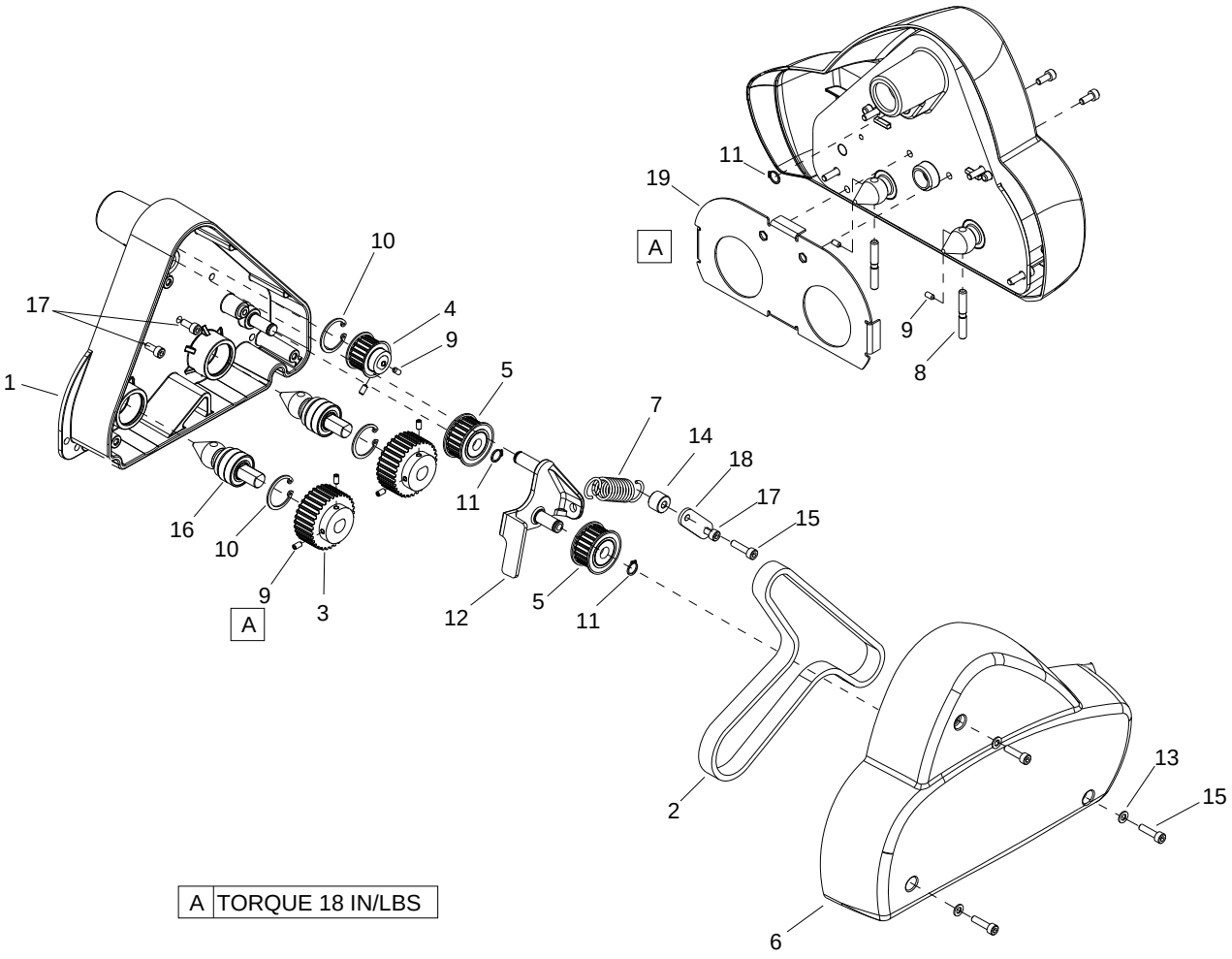
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86355220	1	BUMPER, TRIM		
2	86276980	2	SCREW 5/16-18 X 2 HHCS SS		
3	86010670	6	WASHER 5/16 FLAT SS		
4	86276070	4	SCR, 5/16-18 X 3/4 CARRIAGE SS		
5	86270830	4	NUT 5/16-18 HEX NYLOCK SS		
6	86323950	1	PAD, TIP		
7	86327510	4	SCR, KA50X16, PT OHS, WN1412, A2 SS		
8	86339800	1	PAD, TIP RIGHT		


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A TORQUE 50 IN/OZ

REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86345080	2	BRACKET, VAC BAG, LOWER		
2	86345070	1	BRACKET, VAC BAG, UPPER		
3	86386630	1	GASKET, VAC ENCLOSURE 48		
4	86341040	1	BAG, VAC-10 PACK		
5	86355280	1	HOUSING, VAC BAG, BLK		
6	86327910	2	SCR, KA50X25, PT OHS, WN1412, PLTD		
7	86327590	1	LANYARD, 15.0 W/LOOP & EYE		
8	86334210	1	PANEL, BACK, BLK		
9	86173330	2	WASHER, M5, FLAT, ISO7093, SS		
10	86173140	2	SCR,KA40X16,PT OVAL,WN1412,PL		
11	86161800	1	LATCH, CONCEALED KEEPER		
12	86351660	4	SCR, #6 X 1/2 PPH HI-LO ZINC PLT		

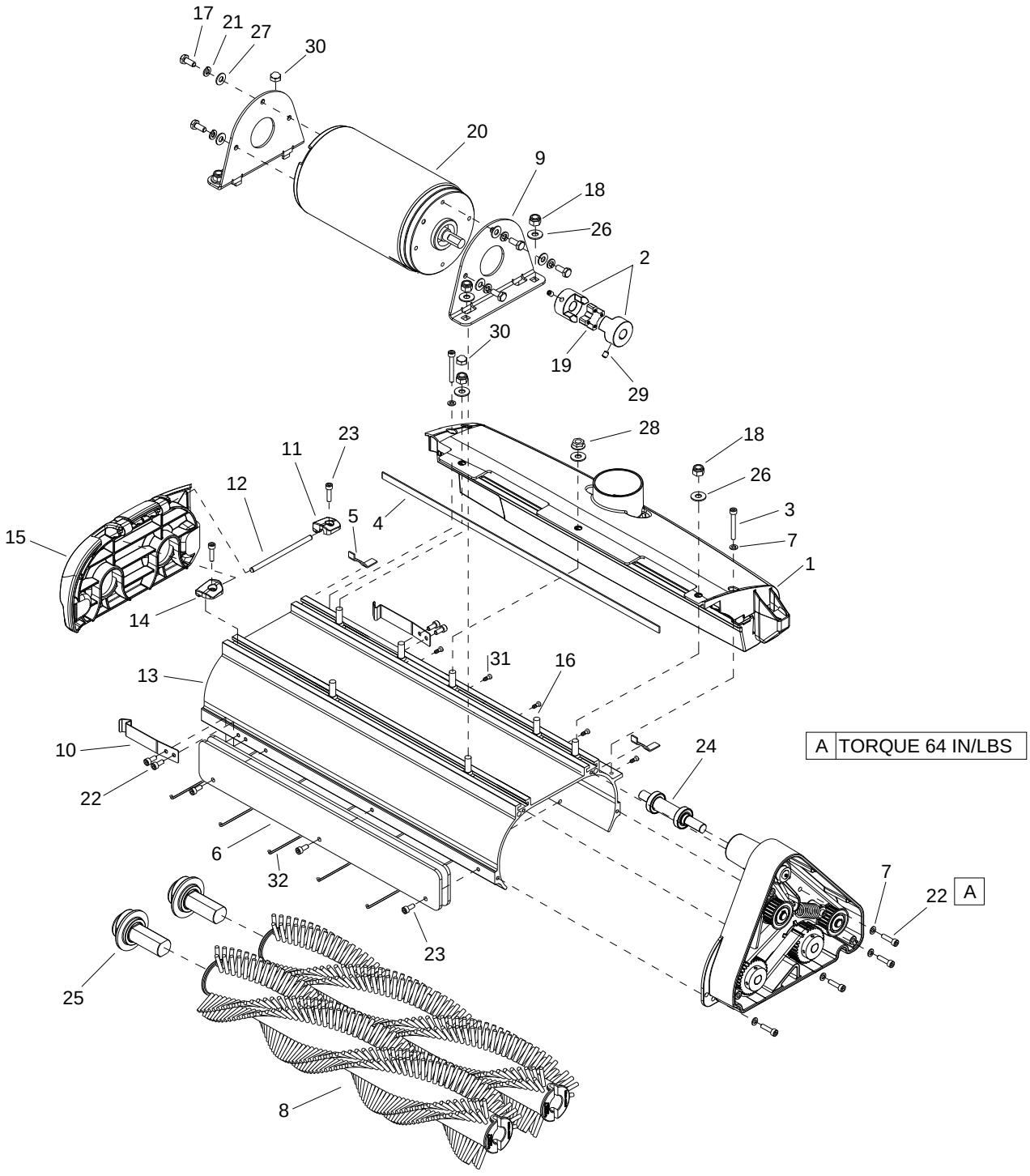

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REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86014990	1	SCR, M5X20, SHCS, ISO4762, SS		
2	86342400	2	GASKET, DEBRIS TRAY, END		
3	86340290	1	MOUNT, DEBRIS TRAY, 20”		
4	86408760	1	CLIP, DEBRIS TRAY SPRING		
5	86173350	4	WASHER, M5, FL, ISO7089, SST		
6	86024750	1	NUT, M5 HEX NYLOCK, SS		
7	86327510	2	SCR, KA50X16, PT OHS, WN1412, A2 SS		
8	86340280	1	TRAY, DEBRIS, 20”		
9	86350590	1	ASM, DEBRIS TRAY INLET		
10	86342390	2	GASKET, DEBRIS TRAY, 20”		

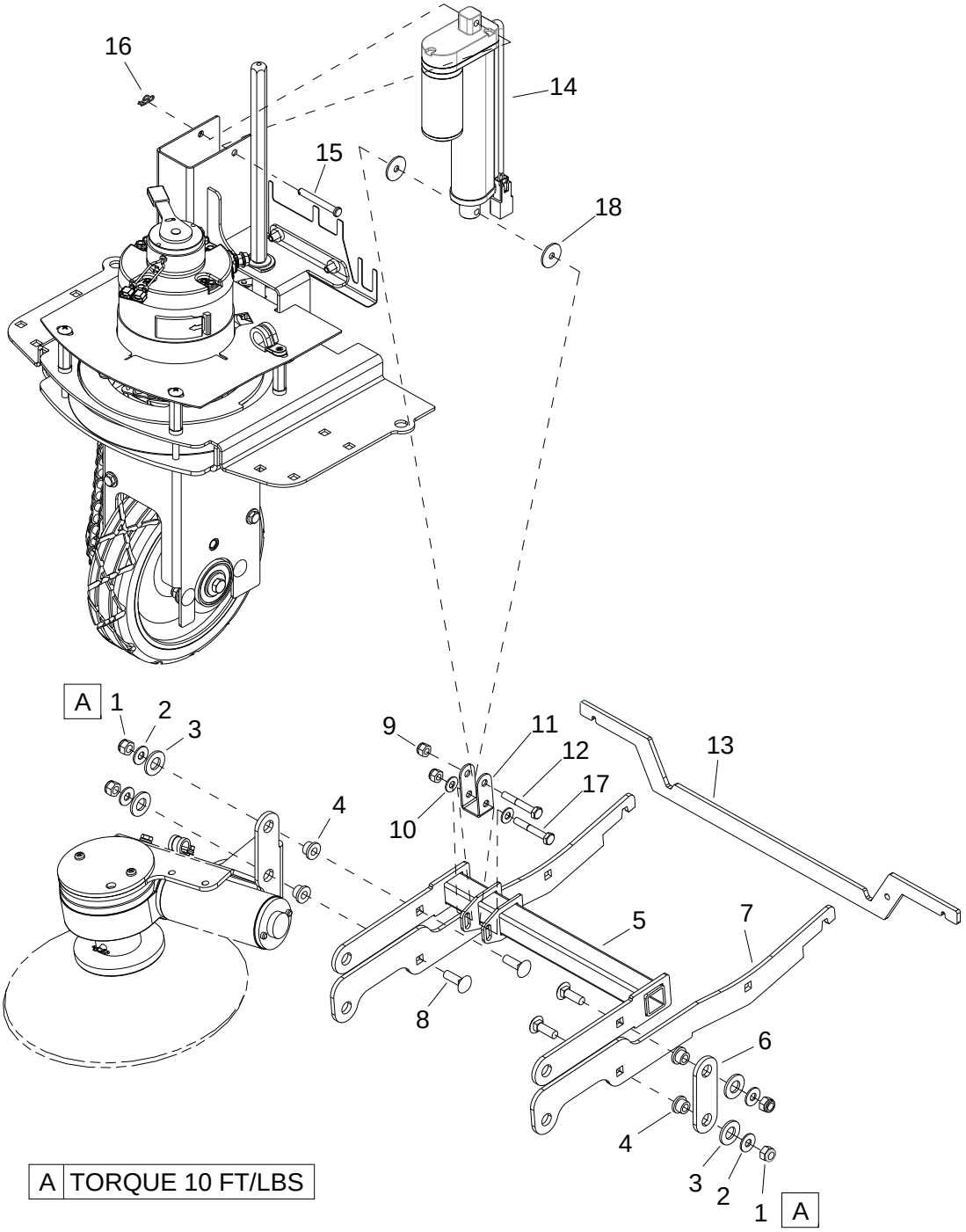


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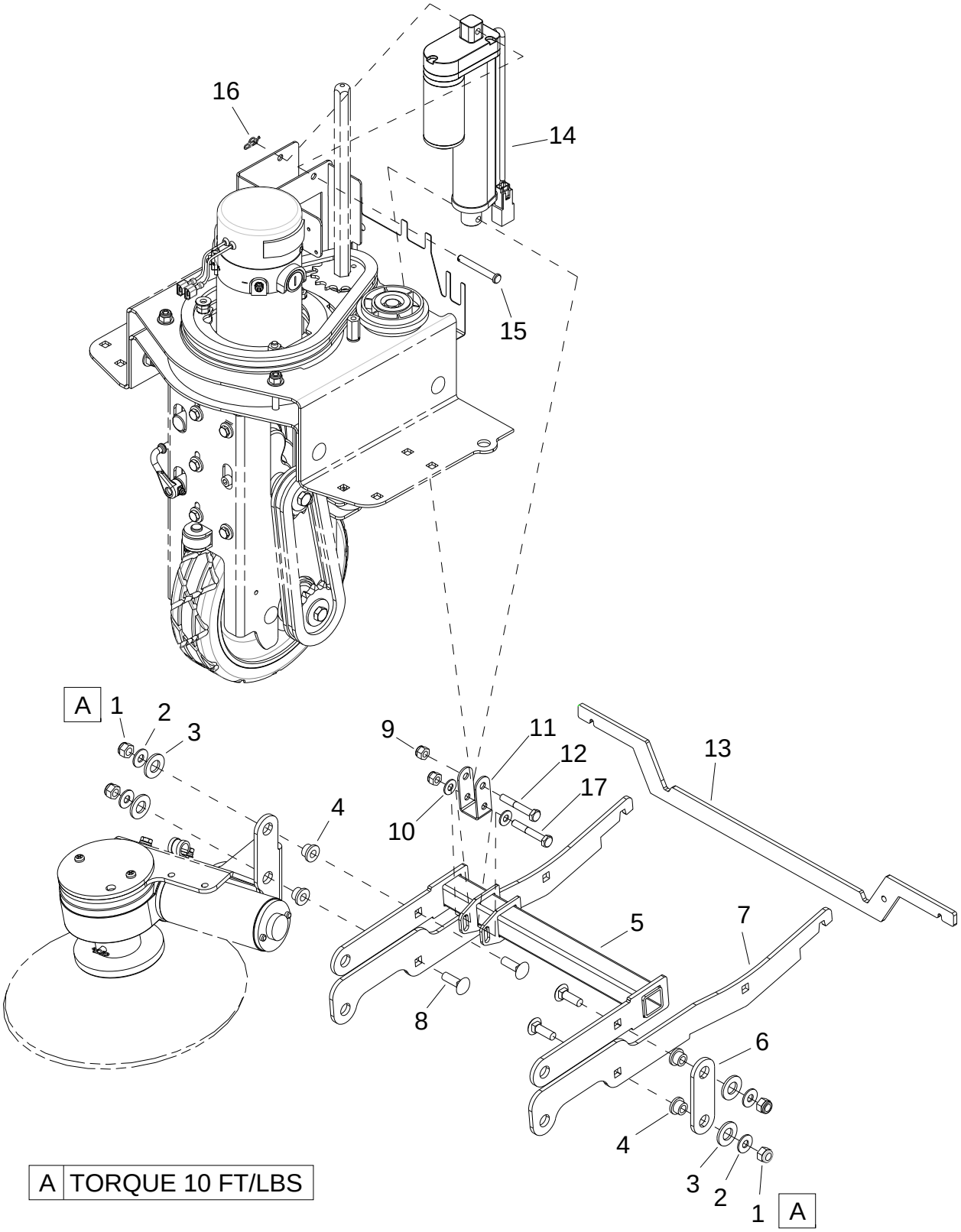
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86343870	1	HOUSING ASM, BRUSH DRIVE		
2	86343860	1	BELT, TWIN 5MM GT2, 15W, 130T		
3	86343850	2	PULLEY, 32T 5MM GT, 15W		
4	86343840	1	PULLEY, 18T 5MM GT, 15W		
5	86343830	2	PULLEY ASM, 22T 5MM GT, 15W		
6	86339570	1	COVER, DRIVE HOUSING		
7	86224660	1	SPRING, TENSIONER		
8	86224170	2	SHAFT, 6.2 MM BRUSH DRIVE		
9	86223780	8	SCR,M4X8,ISO4029,CP,BLK		
10	86223520	3	RING, 28MM INT SNAP PHOSPHATE		
11	86223490	3	RING, 10MM EXTERNAL SNAP		
12	86215870	1	BRKT, TENSIONER ARM		
13	86173350	3	WASHER, M5, FL, ISO7089, SST		
14	86349800	1	SPACER, 15OD X 5.3ID X 11L		
15	86014990	4	SCR, M5X20, SHCS, ISO4762, SS		
16	86012790	2	SHAFT ASM, BRUSH DRIVE		
17	86172950	3	SCR, M5X12, SHCS, ISO4762, SS		
18	86349790	1	PLATE, SUPPORT		
19	86349320	1	PLATE, BRUSH GUIDE		


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A TORQUE 64 IN/LBS

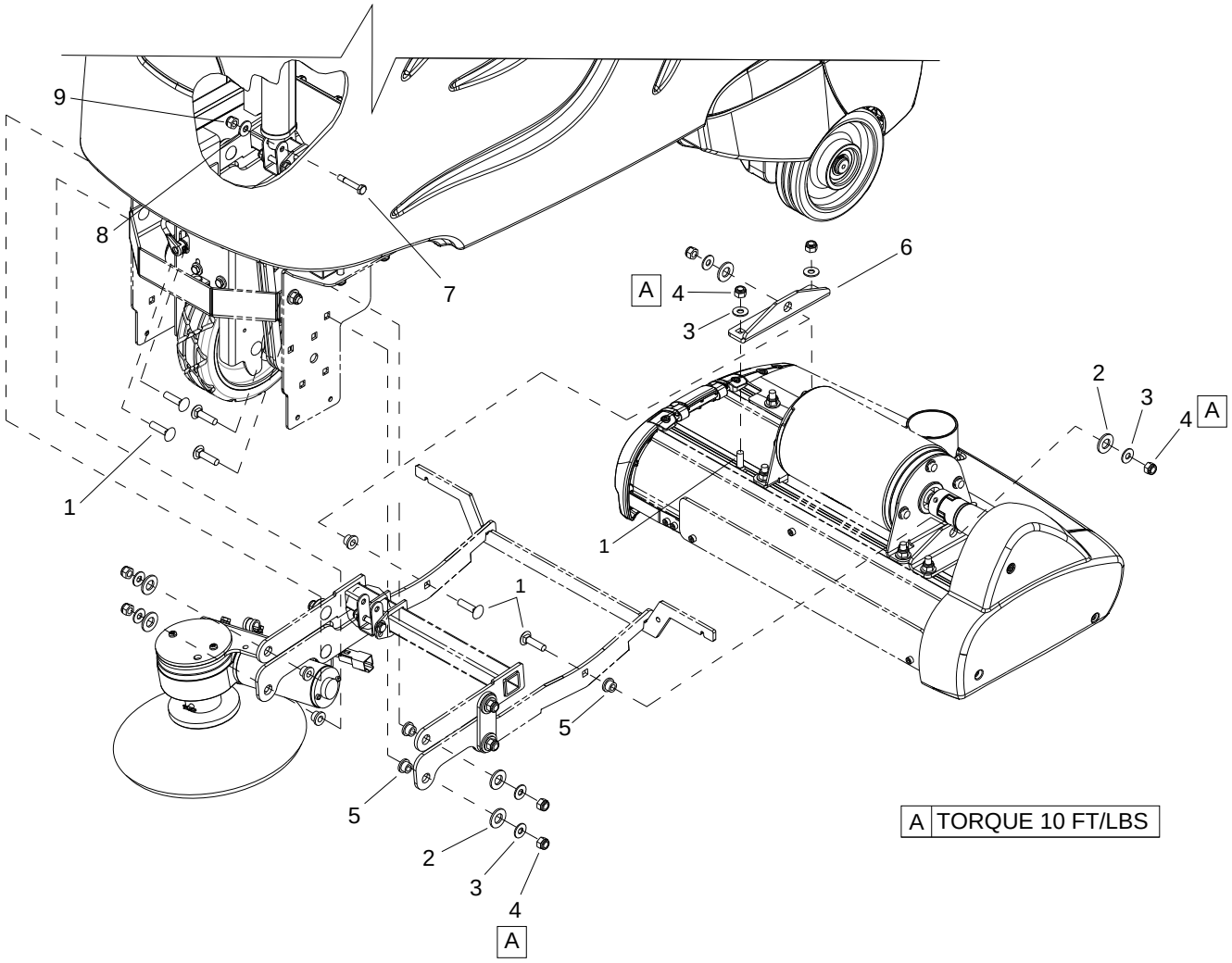
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86356810	1	ASM, DEBRIS TRAY, 20		
2	86346070	2	COUPLER, 2 JAW, 35MM		
3	86343160	2	SCR, M5X40, SHCS, ISO4762, SS		
4	86343200	1	GASKET, 1/16THKX3/8WX19.50L		
5	86343190	2	GASKET, 1/16THKX3/8WX2.17L		
6	86343020	2	PLATE, COUNTERBALANCE		
7	86173350	6	WASHER, M5, FLAT, ISO7089, SS		
8	86340500	2	BRUSH, VACUUM 20		
-	86348840	2	BRUSH, VACUUM 20", HARD FLOOR		
-	86348820	2	BRUSH, VACUUM 20", SOFT FLOOR		
9	86340490	2	BRKT, MOTOR MOUNT		
10	86340480	2	SPRING, DOOR CLIP		
11	86339980	1	CAP, BRUSH DOOR HINGE, REAR		
12	86339790	1	PIN, DOWEL, 6 X 106, SS		
13	86374890	1	EXTRUSION, DUAL 4" BRUSH, 20		
14	86339590	1	CAP, BRUSH DOOR HINGE, FRONT		
15	86339580	1	DOOR, BRUSH RELEASE		
16	86277130	7	SCR, 5/16-18X1.00 CARRIAGE SS		
17	86273750	6	SCR, 1/4-20 X 5/8 HHCS SS		
18	86270830	6	NUT, 5/16-18 HEX NYLOCK SS		
19	86234600	1	COUPLER, SPIDER		
20	86222130	1	MOTOR, 36VDC		
-	86001360	-	BRUSH SET, CCL MOTORS		
21	86173340	6	WASHER, SPLIT LOCK, 1/4, SS		
22	86172950	8	SCR, M5X12, SHCS, ISO4762, SS		
23	86014990	4	SCR, M5X20, SHCS, ISO4762, SS		
24	86012810	1	SHAFT ASM, DRIVE 16”		
25	86012800	2	SHAFT ASM, BRUSH END CAP		
26	86010670	7	WASHER, 5/16 X 3/4 SS		
27	86010630	6	WASHER, 1/4 X 5/8 FLAT SS		
28	86005740	1	NUT 5/16-18 SERRATED FLG		
29	86172960	2	SCR,SET,M6X8,SH,ISO4029,SS		INCLUDED WITH 86346070
30	86197040	2	NUT, 5/16-18 HEX ACORN PLTD		
31	86354280	5	NIPPLE, GUARD ATV		
32	86354080	5	ROD, GUARD ATV		


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A TORQUE 10 FT/LBS

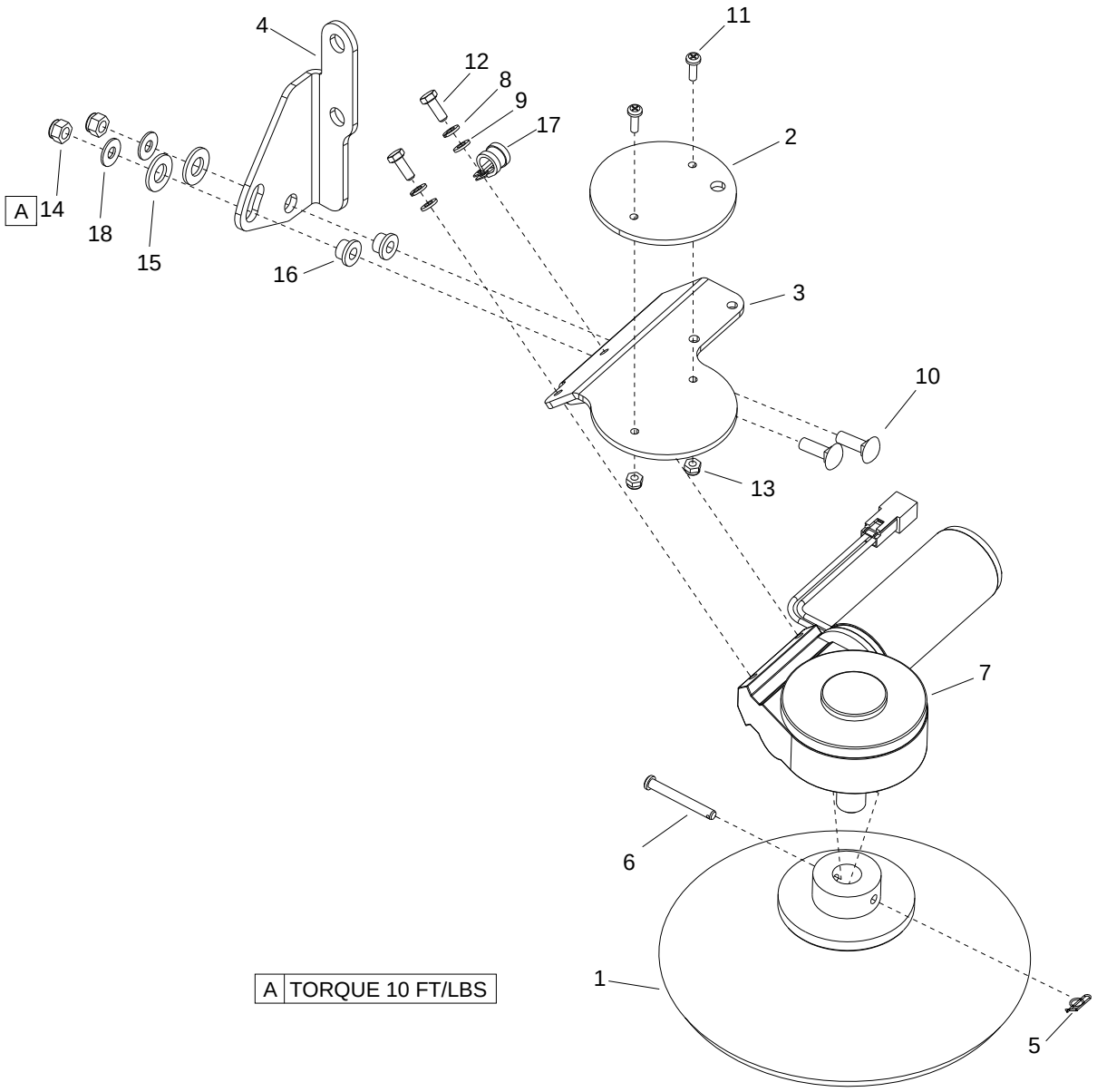
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86270830	4	NUT 5/16-18 HEX NYLOCK SS		
2	86010670	4	WASHER 5/16 FLAT SS		
3	86259420	4	WASHER, THRUST .51ID X 1 ODBRO		
4	86228990	4	BEARING,FLNGD,.314ID X.502OD		
5	86340820	1	LIFTER, DECK		
6	86340920	1	PLATE, LIFT LINKAGE		
7	86340910	2	ARM, DECK LIFT		
8	86277130	4	SP SCREW 5/16-18X1.00 CARRIAGE SS		
9	86005810	2	NUT 1/4-20 HEX NYLOCK SS		
10	86010630	2	WASHER 1/4 ID X 5/8 OD SS		
11	86341320	1	CHANNEL, ACTUATOR LINK		
12	86276680	1	SCR, 1/4-20 X 1.5 HHMS SS		
13	86340930	1	BRKT, SPRING MOUNT		
14	86341920	1	ACT,36VDC, 1.0"STK,8.74LNG		
15	86328040	1	PIN, CLEVIS, 1/4 X 2.0 L		
16	86008650	1	COTTER 1/4" RING		
17	86273850	1	SCR, 1/4-20 X 2 HHCS SS		
18	86354750	2	WASHER, .264 X 1 X .07 NYL BLK		


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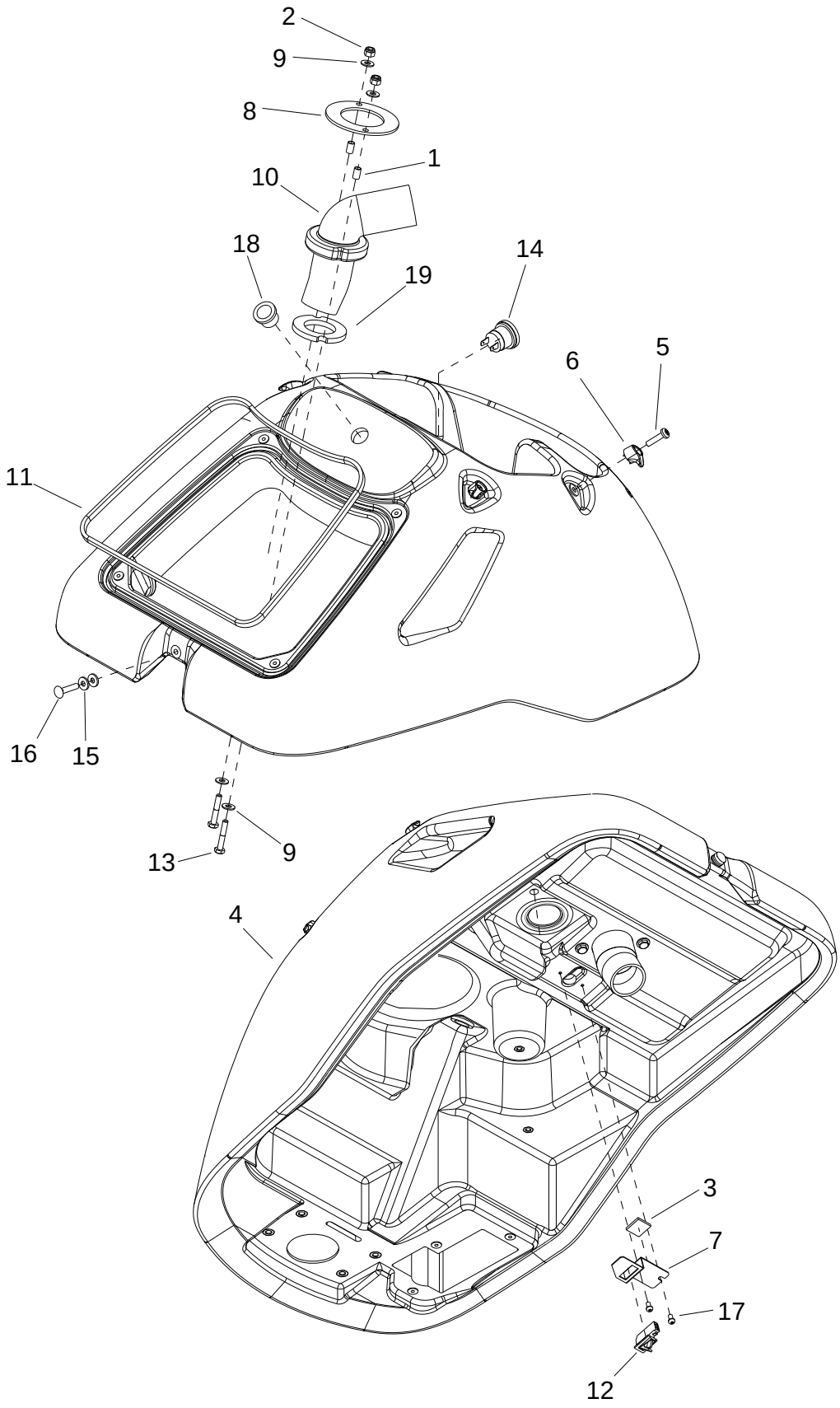
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86270830	4	NUT 5/16-18 HEX NYLOCK SS		
2	86010670	4	WASHER 5/16 FLAT SS		
3	86259420	4	WASHER, THRUST .51ID X 1 ODBRO		
4	86228990	4	BEARING,FLNGD,.314ID X.502OD		
5	86340820	1	LIFTER, DECK		
6	86340920	1	PLATE, LIFT LINKAGE		
7	86340910	2	ARM, DECK LIFT		
8	86277130	4	SP SCREW 5/16-18X1.00 CARRIAGE SS		
9	86005810	2	NUT 1/4-20 HEX NYLOCK SS		
10	86010630	2	WASHER 1/4 ID X 5/8 OD SS		
11	86341320	1	CHANNEL, ACTUATOR LINK		
12	86276680	1	SCR, 1/4-20 X 1.5 HHMS SS		
13	86340930	1	BRKT, SPRING MOUNT		
14	86341920	1	ACT,36VDC, 1.0"STK,8.74LNG		
15	86328040	1	PIN, CLEVIS, 1/4 X 2.0 L		
16	86008650	1	COTTER 1/4" RING		
17	86273850	1	SCR, 1/4-20 X 2 HHCS SS		


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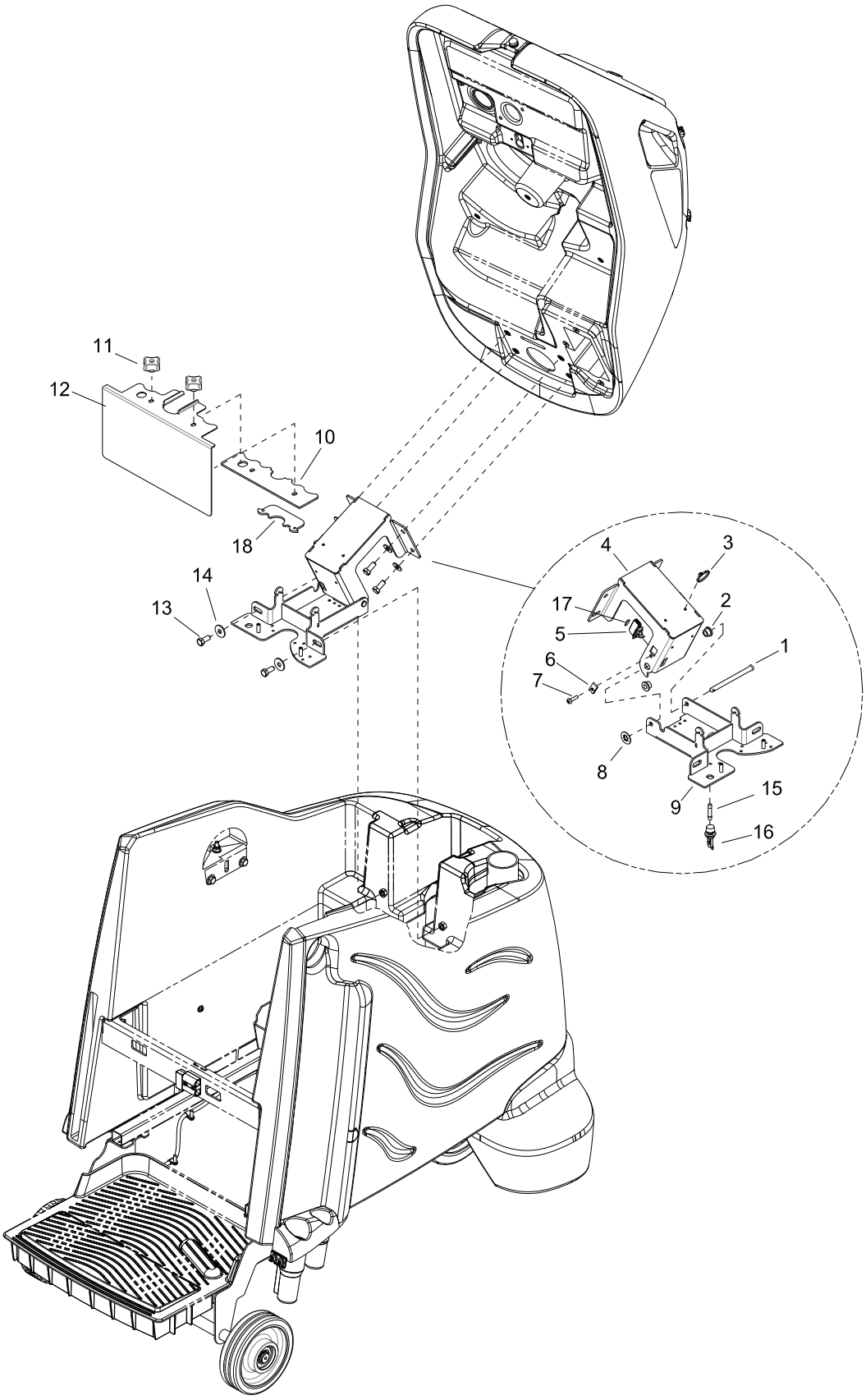
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86277130	10	SCREW 5/16-18X1.00 CARRIAGE SS		
2	86259420	6	WASHER, THRUST .51ID X 1 ODBRO		
3	86010670	10	WASHER 5/16 FLAT SS		
4	86270830	10	NUT 5/16-18 HEX NYLOCK SS		
5	86228990	6	BEARING,FLNGD,.314ID X.502OD		
6	86341310	2	BRKT, BRUSH DECK PIVOT		
7	86276680	1	SCR, 1/4-20 X 1.5 HHMS SS		
8	86010630	1	WASHER 1/4 ID X 5/8 OD SS		
9	86005810	1	NUT 1/4-20 HEX NYLOCK SS		


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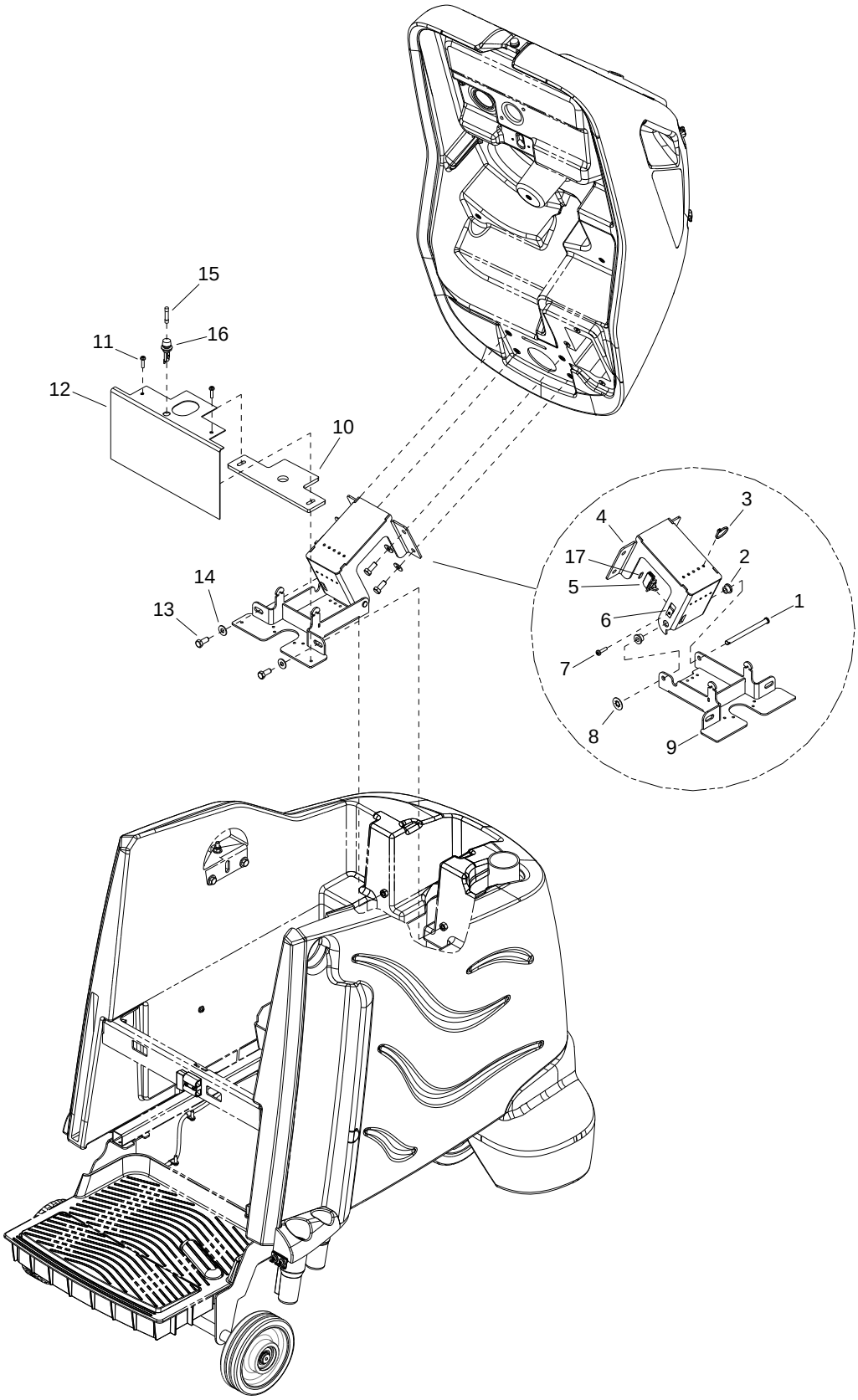
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86342160	1	BRUSH, 9.5 IN, NYLON, BLACK		
2	86341960	1	PLATE, WEIGHT		
3	86341070	1	BRACKET, SIDE BROOM MOUNT		
4	86341060	1	BRACKET, SIDE BROOM PIVOT		
5	86008650	1	COTTER, 1/4 RING		
6	86328040	1	PIN, CLEVIS, 1/4 X 2.0 L		
7	86322470	1	MOTOR, 36VDC, 90 DEG, 1/16 HP		
8	86279140	2	WASHER,M6 SPLIT LOCK ZINC PLTD		
9	86279070	2	WASHER, M6 FLAT		
10	86277130	2	SCR, 5/16-18X1.00 CARRIAGE SS		
11	86275470	2	SCR, 10-32 X 5/8 PPHMS SS		
12	86274700	2	SCR, M6 X 1 X 16 HHCS PLT		
13	86270990	2	NUT, 10-32 HEX NYLOCK SS		
14	86270830	2	NUT, 5/16-18 HEX NYLOCK SS		
15	86259410	2	WASHER THRUST.51 ID X1ODX.063		
16	86228990	2	BEARING FLG .314IDX.502OD		
17	86177090	1	CLAMP, CABLE 1/2I.D. 1/4BLT		
18	86010670	2	WASHER, 5/16 X 3/4 SS		


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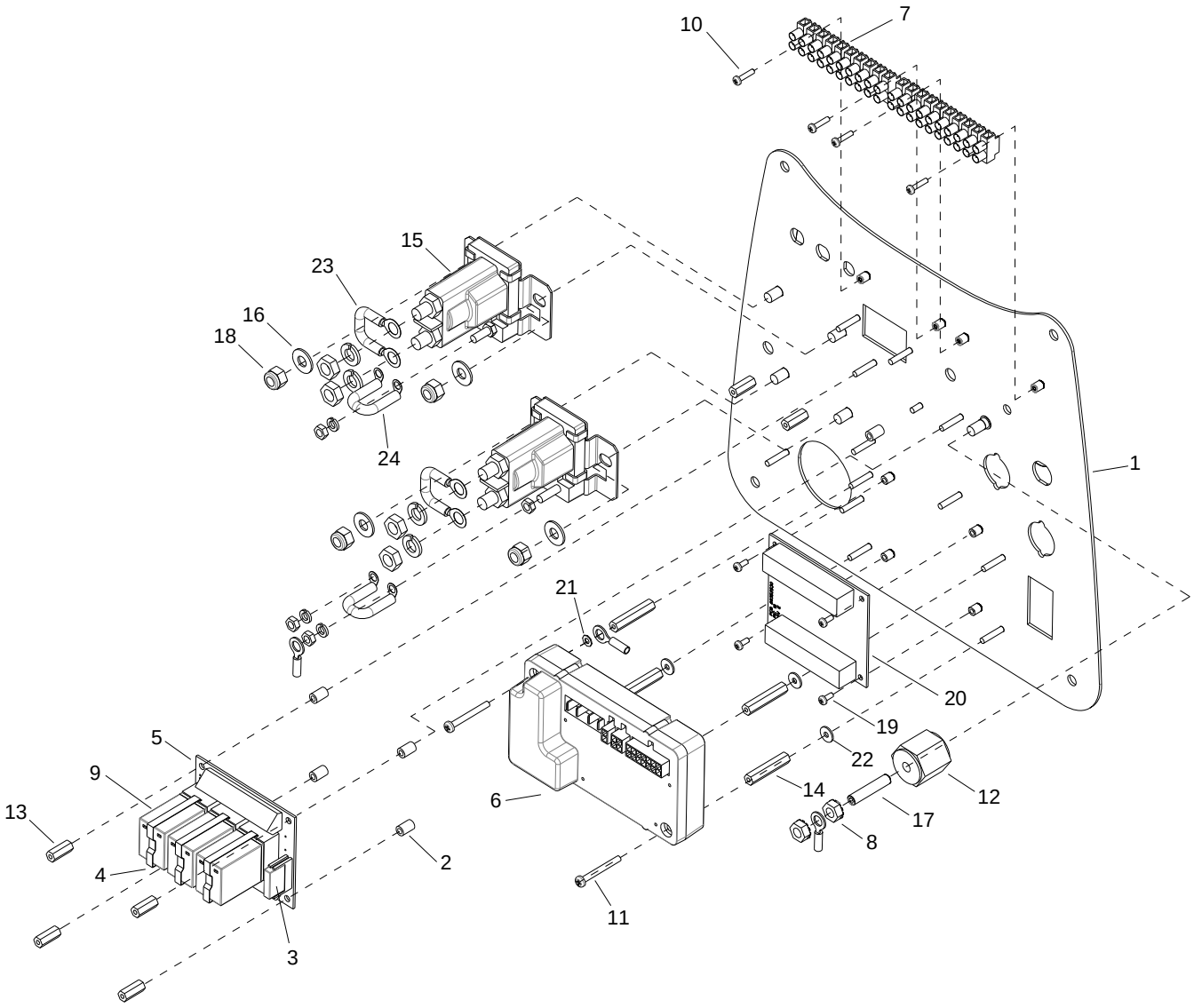
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86346600	2	SPACER, .320ODX.257IDX.505L NY		
2	86005810	2	NUT 1/4-20 HEX NYLOCK SS		
3	86346090	1	GASKET,.85X.85X.125 THICK		
4	86355250	1	CONSOLE, TRIM, CV 60/2		
5	86349280	4	SCREW, 1/4-20 X 1 PHPNHMS SS BLK ZNPLT		
6	86238460	4	HOOK, STRAP		
7	86341700	1	BRACKET, SWITCH, NO BAG		
8	86340740	1	PLATE, BAG INLET RETAINER		
9	86010630	2	WASHER 1/4 ID X 5/8 OD SS		
10	86340650	1	INLET, VAC BAG		
11	86327830	1	GASKET,.188X.31X41.0		
12	86327680	1	SWITCH, INTERLOCK		
13	86273740	2	SCR, 1/4-20 X 1.5 HHCS SS		
14	86239720	1	HORN, 108DB MINATURE W/RING		
15	86279520	2	WASHER, 1/4 ID FLAT BLK		
16	86276330	1	SCR, 1/4-20 X 1.25 CARRIAGE BZ		
17	86274520	2	SCR, #10 X 3/8 PH HI-LO PLT		
18	86228790	1	BEARING FLANGE .88ODX.75IDX.75		
19	86326200	1	GASKET, VACUUM INTAKE		


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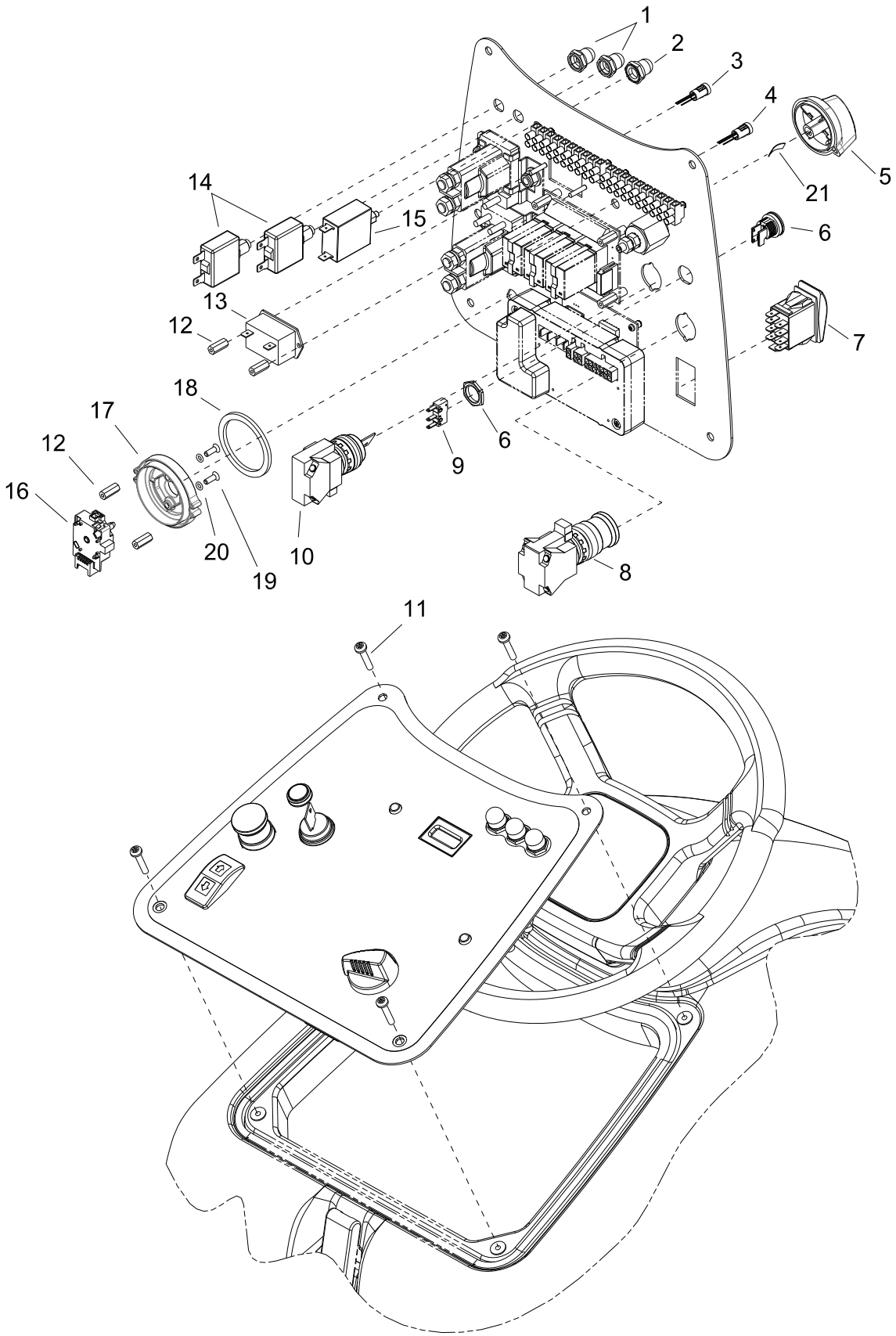
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86326340	1	PIN, CLEVIS 5/16 X 4.0, PLTD		
2	86228990	2	BEARING,FLNGD,.314ID X.502OD		
3	86264940	6	CABLE TIE, 11.38" UL/CSA		
4	86326320	1	BRACKET, HINGE UPPER		
5	86327680	1	SWITCH, INTERLOCK		
6	86270860	1	NUT, 10-24 U-TYPE SPEED		
7	86277110	1	SCR, 10-24 X 3/4 PPHMS SS		
8	86328860	1	NUT, 5/16 PUSH-LOCK, PLTD		
9	86384990	1	WLDMNT, LWR HNG		
10	86385000	1	GASKET, LWR, HNG		
11	86371720	2	KNOB, CARPET CLAMP, YLW		
12	86385030	1	PLATE, ACCESS, BRAKE		
13	86276780	6	SCR, 5/16-18 X 3/4 SS		
14	86010670	6	WASHER, 5/16 X 3/4 SS		
15	86345690	1	FUSE, 3A - 3AG FAST-ACTING		
16	86319090	1	FUSE HOLDER, PANEL MNT		
17	86402180	1	GASKET, .125 X .375 X .65		
18	86385010	1	GASKET, ACCESS PNL		


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REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86326340	1	PIN, CLEVIS 5/16 X 4.0, PLTD		
2	86228990	2	BEARING,FLNGD,.314ID X.502OD		
3	86264940	6	CABLE TIE, 11.38" UL/CSA		
4	86326320	1	BRACKET, HINGE UPPER		
5	86327680	1	SWITCH, INTERLOCK		
6	86270860	1	NUT, 10-24 U-TYPE SPEED		
7	86277110	1	SCR, 10-24 X 3/4 PPHMS SS		
8	86328860	1	NUT, 5/16 PUSH-LOCK, PLTD		
9	86326330	1	BRACKET, HINGE LOWER		
10	86332760	1	GASKET, STEERING SHAFT		
11	86006800	2	SCREW 10-32 X 1/2 PHTR PLT		
12	86344610	1	PLATE, COVER		
13	86276780	6	SCR, 5/16-18 X 3/4 SS		
14	86010670	6	WASHER, 5/16 X 3/4 SS		
15	86345690	1	FUSE, 3A - 3AG FAST-ACTING		
16	86319090	1	FUSE HOLDER, PANEL MNT		
17	86402180	1	GASKET, .125 X .375 X .65		

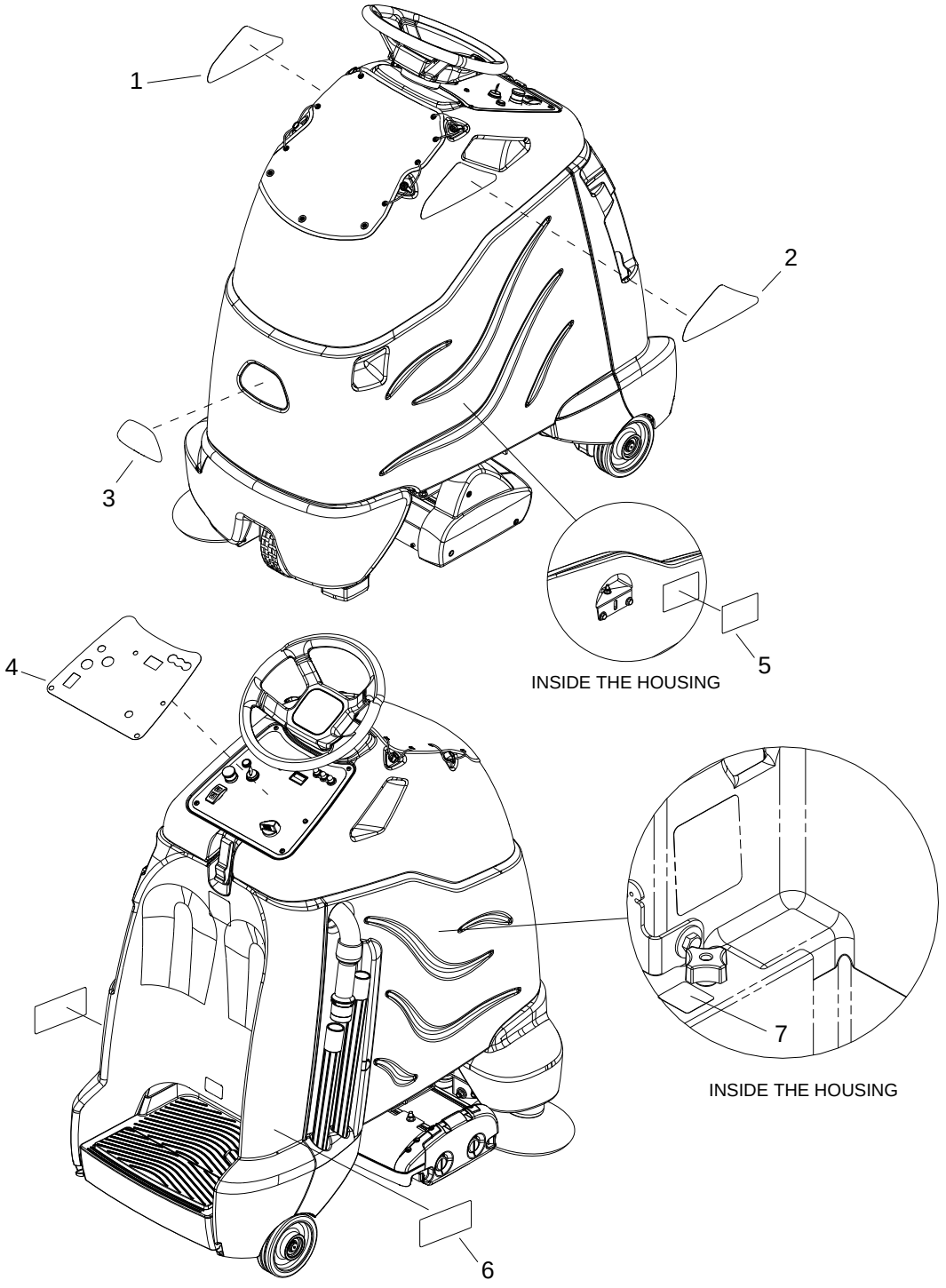

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REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86357790	1	PANEL, CONTROL, CS24 RE		
2	86337210	5	SPACER, .14ID X .25OD X .38, NYL		
3	86336110	1	RELAY, SPST-NO		
4	86336100	3	CLIP, RELAY		
5	86347250	1	PCBA, RELAY OMRON ll		
6	86405530	1	CONTROLLER, C2V		**From SN (3*)**
-	86372280	1	CONTROLLER, CV24 RE		**Prior to SN (3*)**
7	86326390	2	CONN, 8MM PITCH, 10 POSN		
8	86005710	2	NUT, 1/4-20 HEX W/STAR		
9	86313900	3	RELAY, 5A, 24V, 4PDT		
10	86275260	4	SCR, 4-40 X 1/2 PPHMS		
11	86275550	2	SCREW 6-32 X 1.25		
12	86255910	1	STANDOFF, 1/4-20 X 1.0 HEX INS		
13	86255900	4	STANDOFF, 6-32 X 5/8 HEX NYL		
14	86354860	4	STANDOFF, 6-32 X 1.25 HEX, NYLON		
15	86251360	2	RELAY, 36VDC, 100A		
16	86010630	4	WASHER, 1/4 X 5/8 FLAT SS		
17	86006850	1	SCR, 1/4-20 X 1.25 SSSCU		
18	86005810	4	NUT, 1/4-20 HEX NYLOCK SS		
19	86274570	4	SCR, 4-40 X 1/4 PPHMS		
20	86372190	1	PCB, IVAC, PIC		
21	86279020	1	WASHER #6 LOCK EXT STAR SS		
22	86279450	3	WASHER, #6 FLAT SAE PLTD		
23	86003410	2	DIODE ASM, 76075 X 76075		
24	86261210	2	DIODE ASM, 76008 X 76008		

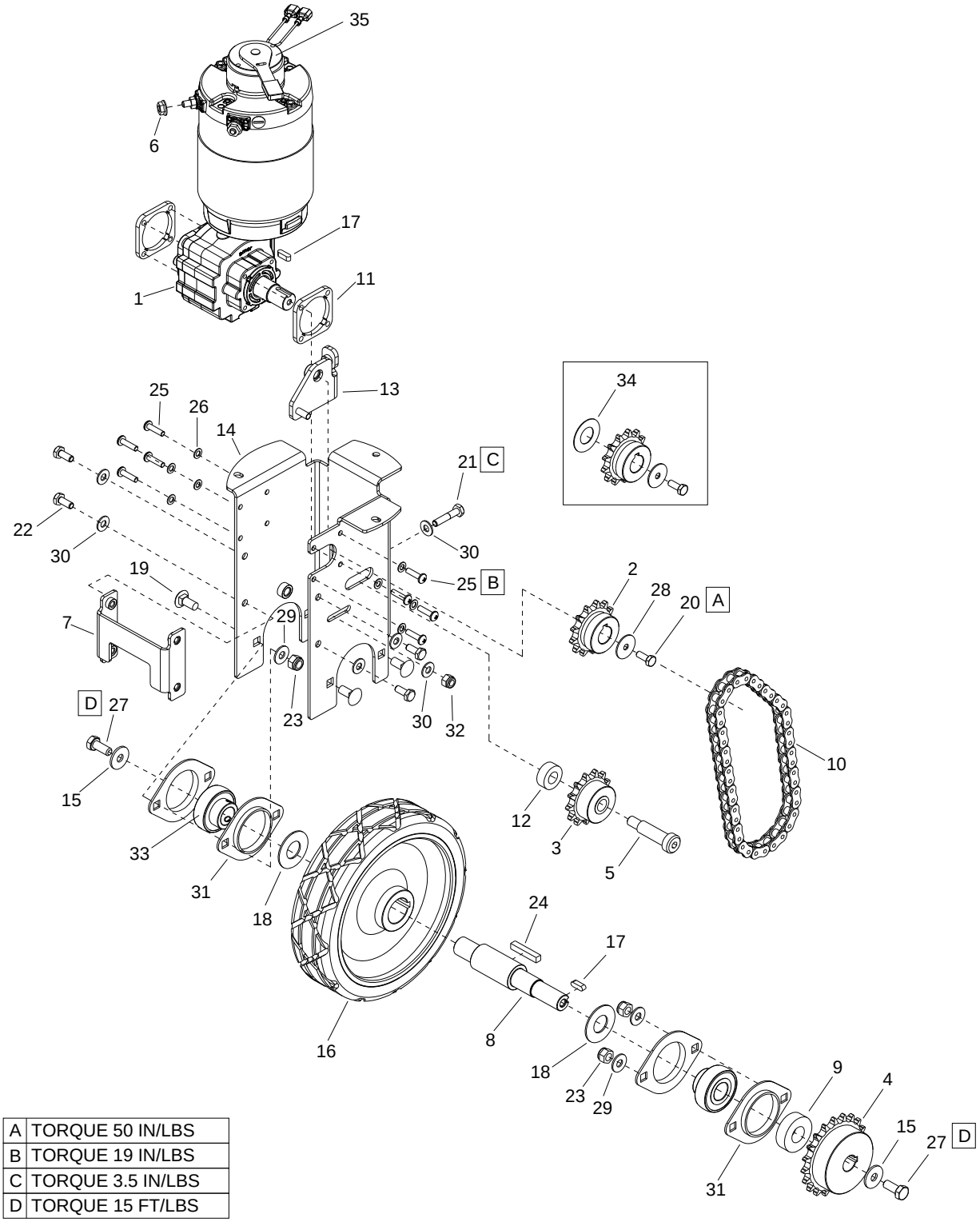

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REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86332510	2	BOOT, SEAL PUSH BUTTON 11M		
2	86001260	1	BOOT, CB 3/8-32 UNS		
3	86348640	1	LED, BAG FULL INDICATOR		***
4	86348960	1	LED, BATTERY INDICATOR		***
5	53217380	1	HANDHOLD OPERATIONAL CONCEPT		
6	86293930	1	BODY, SWITCH, BUTTON		
7	86313950	1	SWITCH, SPDT 3 POSN MOM, ARROW		
8	86292590	1	SWITCH, E-STOP		
9	86292780	1	SWITCH, MICRO		
10	86007170	1	SWITCH KEY TWO POSITION		
11	86371410	4	SCREW, 10-32 X .75 TMS SS BLK		
12	86255900	4	STANDOFF, 6-32 X 5/8 HEX NYL		
13	86315470	1	METER, HOUR ICD		
14	86316160	2	BREAKER, 18A, 250VAC, 32VDC		
15	86353680	1	BREAKER, 1.5A CARLING MAGNETIC		
16	86354870	1	SWITCH, ROTARY		
17	86354560	1	BEZEL, ROTARY SWITCH		
18	86354810	1	GASKET, ROTARY SWITCH		
19	86358430	2	SCR, M4X12 FHMS, ISO7046 SS NP		
20	86358440	2	O-RING, 4MM ID, 1.5MM THK, BUNA-N		
21	63130140	1	SPRING ELEMENT		

***86348640 AND 86348960 ARE INCLUDED WITH CONTROL PANEL HARNESS.

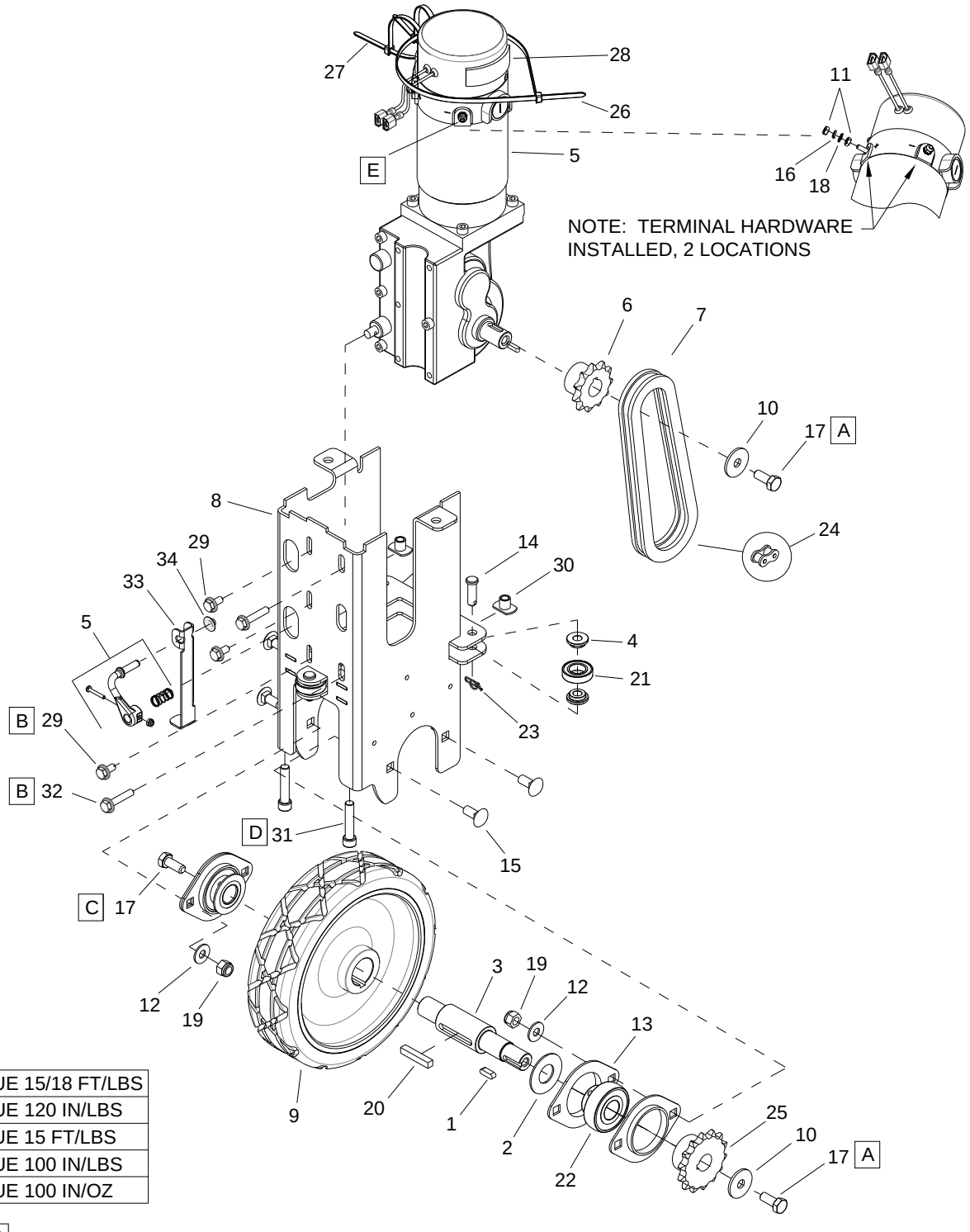

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REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86395650	1	LABEL, RIGHT, iVAC 24 ATV		
2	86395660	1	LABEL,LEFT, iVAC 24 ATV		
3	86395400	1	LABEL WINDSOR LOGO DOMED		
4	86395670	1	LABEL, CONTROL PANEL, CV24		
5	86335710	1	LABEL, BATTERY WIRING		
6	86334860	2	LABEL, HEPA FILTRATION		
7	86375080	1	LABEL, MANUAL	**(3*)**	



A	TORQUE 50 IN/LBS
B	TORQUE 19 IN/LBS
C	TORQUE 3.5 IN/LBS
D	TORQUE 15 FT/LBS

REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86411170	1	MOTOR, C2 TRACTION MOTOR	(4*)	
2	86409960	1	SPROCKET, ANSI 40 13T		
3	86409950	1	SPROCKET, ANSI 40 13T IDLER		
4	86409940	1	SPROCKET, ANSI 40 20T		
5	86405910	1	SHOULDER BOLT, 1/2 X 1.5 SS		
6	86384110	2	NUT, M6-1, HEX, SERFLG, DIN6923		
7	86405390	1	BRACKET, C2 HOUSING BRACE		
8	86405380	1	AXLE, DRIVE WHEEL		
9	86405370	1	SPACER, C2 WHEEL SHAFT		
10	86405360	1	CHAIN, ANSI#40 X 20.5" W/MASTER		
11	86405350	2	SPACER, C2 MTR MNT HOUSING		
12	86405330	1	SPACER, C2 DRIVE TENSIONER		
13	86405320	1	BRACKET, C2 DRIVE TENSIONER		
14	86405310	1	HOUSING, C2 AXLE		
15	86394170	2	WASHER, M8 FNDR SS DIN 9021		
16	86369170	1	WHEEL, 8.00 X 2.00, GRAY X-GRV		
17	86326710	2	KEY, 5 X 5 X 16MM CS GR1045		
18	86321670	2	WASHER, .748 SS		
19	86276070	4	SCR, 5/16-18 X 3/4 CARRIAGE SS		
20	86274700	1	SCREW, M6 X 1 X 16 HHCS ZNPLT		
21	86274620	1	SCREW, 1/4-20 X 1.25 HHMS STL GR5 ZNPLT		
22	86273750	4	SCREW, 1/4-20 X .625 HHCS SS NP		
23	86270830	4	NUT, 5/16-18 HEX NYLOCK SS		
24	86219640	1	KEY, 1/4 X 1/4 X 1.5 LCSTL GR1018		
25	86384120	8	SCREW M5-0.8 X 16, TPNHMSSS		
26	86137330	8	WASHER, M5 SHPRF STL ZNPLT		
27	86136640	2	SCREW, M8-1.25 X 20 HHMS ZNPLT		
28	86010810	1	WASHER, 1/4 FNDR SS		
29	86010670	4	WASHER, 5/16 FLT SS		
30	86010630	6	WASHER, 1/4 SS		
31	86008610	4	FLANGE, BEARING PRESSED STEEL		
32	86005810	1	NUT, 1/4-20 HEX NYLOCK SS		
33	86001030	2	BEARING, 3/4 SPH BALL		
34	86405540	1	SPACER, SHAFT, C2		
35	86386910	1	BRAKE, C2 TRACTION MOTOR		

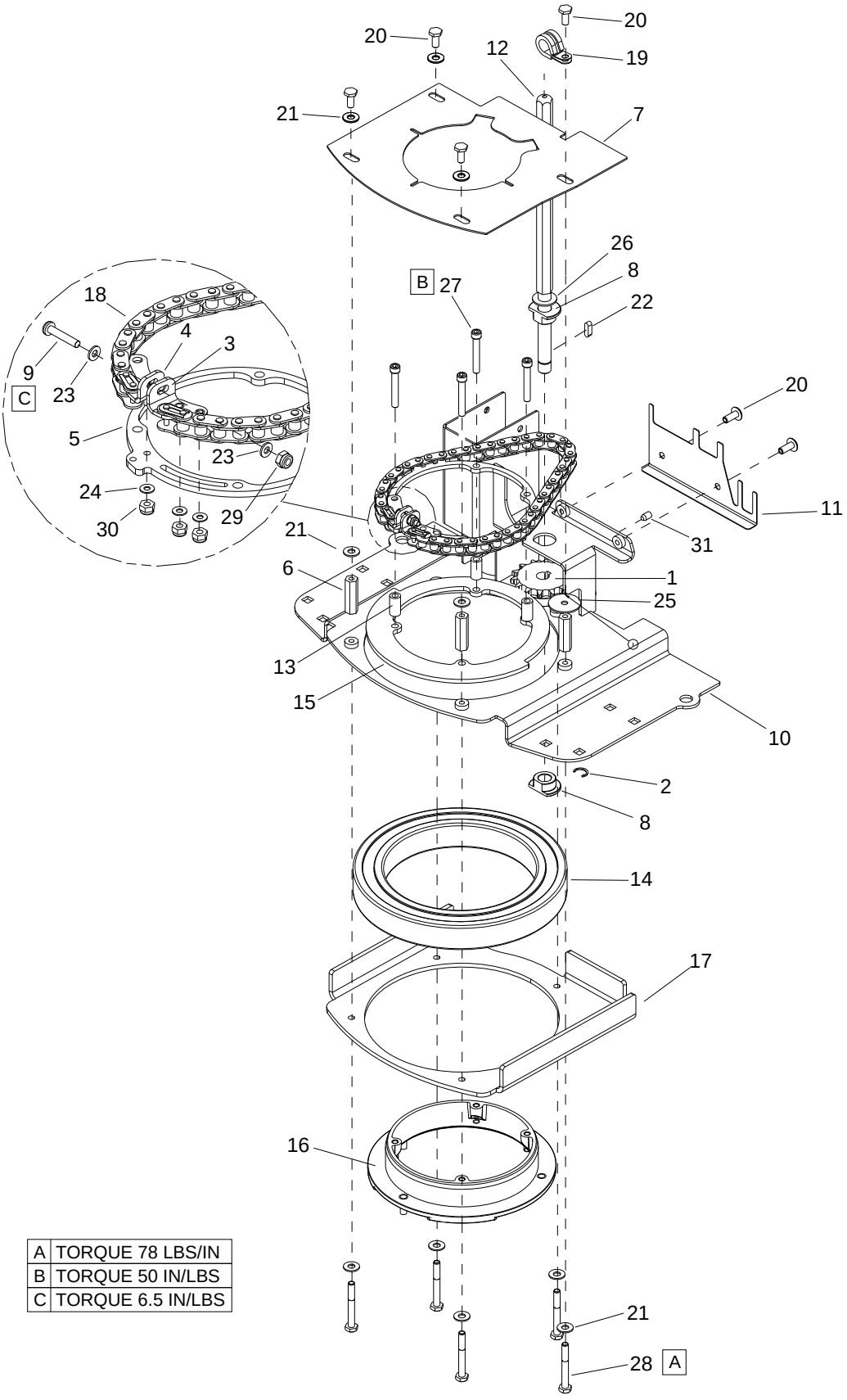


	A	TORQUE 15/18 FT/LBS
	B	TORQUE 120 IN/LBS
	C	TORQUE 15 FT/LBS
*	D	TORQUE 100 IN/LBS
	E	TORQUE 100 IN/OZ

* AFTER B

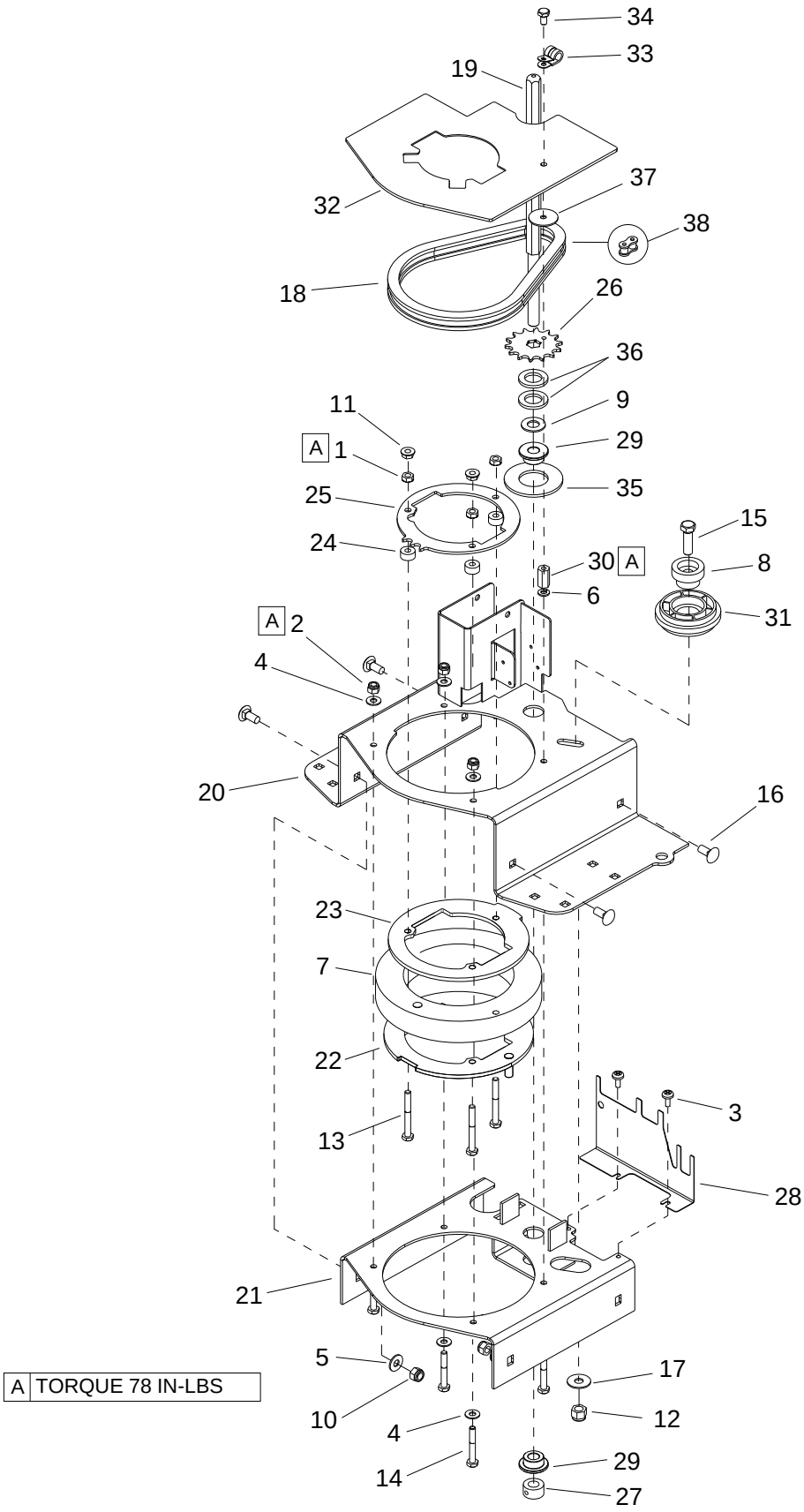
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86326710	1	KEY, 5 X 5 X 16		
2	86321670	2	WASHER, WHEEL SPACER		
3	86319810	1	AXLE, DRIVE WHEEL		
4	86319670	6	SLEEVE, BEARING		
5	86364010	1	MOTOR, TRACTION		▲
-	86378440	1	KIT, BRUSHES, DRIVE MOTOR		●
-	98408960	-	BRAKE REPLACEMENT SMALL STAND ON		
6	86342280	1	SPROCKET, DRIVE 11T		
7	86342320	1	CHAIN, ISO 08B, 12.7MM PITCH		
8	86319620	1	FRAME, LOWER DRIVE		
9	86369170	1	WHEEL, 8.00 X 2.00, GRAY X-GRV		
10	86279630	3	WASHER, .344IDX1.130ODX.09T PLT		
11	86288500	4	NUT, M4-.7 HEX STL CL8 ZNPLT		
12	86010670	4	WASHER, 5/16 X 3/4 SS		
13	86008610	4	FLANGE, BEARING PRESSED STEEL		
14	86272550	3	PIN, CLEVIS, 5/16 X 1.00 PLTD		
15	86276070	4	SCR, 5/16-18 X 3/4 CARRIAGE SS		
16	86134850	2	WASHER, SPRNG LK, M4, DIN127B, SST		
17	86136640	3	SCR, M8 X 20 HHMS		
18	86372230	2	WASHER, EXT TOOTH STAR		
19	86270830	4	NUT, 5/16-18 HEX NYLOCK SS		
20	86219640	1	KEY, 1/4 SQ. X 1.5		
21	86332380	3	ROLLER, 1.1 OD		
22	86001030	2	BEARING, BALL 3/4 BORE SPHERED		
23	86008660	3	COTTER 5/16" RING		
24	86232780	-	CHAIN MASTER LINK 12.7MM		
25	86319650	1	SPROCKET, DRIVE, 14T		
26	86002830	1	CABLE TIE .375 X 24.7		
27	86264920	2	CABLE TIE, 7" UL/CSA		
28	86362040	2	TAPE CLOSED CELL 1/8 X 3/4 X 2 1/2 PSA		
29	86362140	3	SCREW, M6 X 12MM, HEX FLANGE, PLTD		
30	86348490	2	NUT, WELD 5/16-18 X .38, TAB BASE, STL	(*1)	
31	86362130	2	SCREW, 5/16 X 1.50, SHCS, SS, FT	(*1)	
32	86362150	2	SCREW, M6 X 30MM, HEX FLANGE, PLTD		
33	86333870	1	LEVER, DRIVE ENGAGEMENT		
34	86271240	1	NUT, 1/4 PAL STL ZNPLT		

▲ FOR INSTALLATION OF 8.636-401.0 WITH BRAKE HARNESS AND LOWER HARNESS,
● ORDER KIT 8.636-900.0
FOR CCL TRACTION MOTOR, USE 86331990 BRUSH SET.
FOR LINIX TRACTION MOTOR, USE 86378410 BRUSH SET.
BOTH SETS INCLUDED IN KIT.

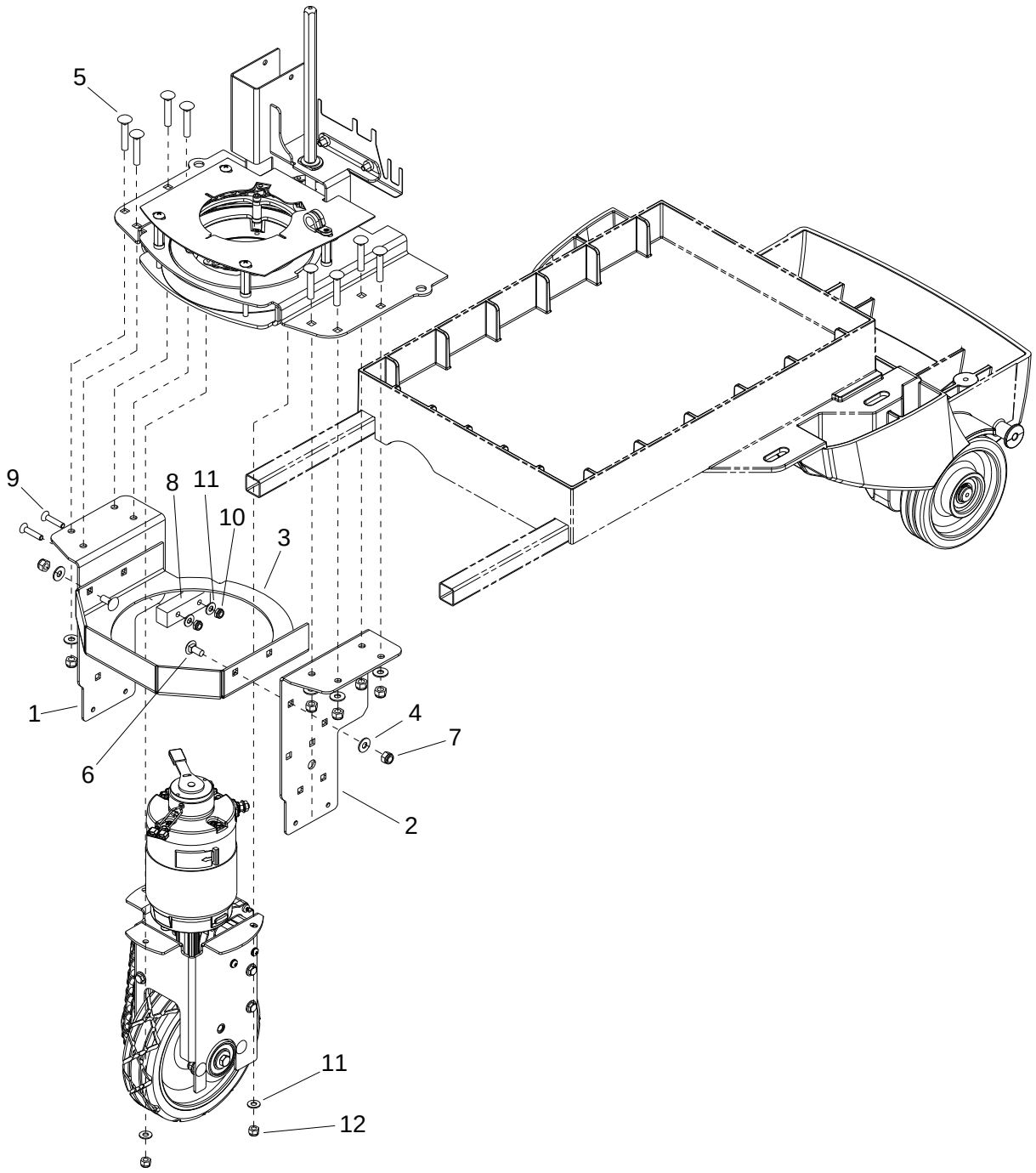


A	TORQUE 78 LBS/IN
B	TORQUE 50 IN/LBS
C	TORQUE 6.5 IN/LBS

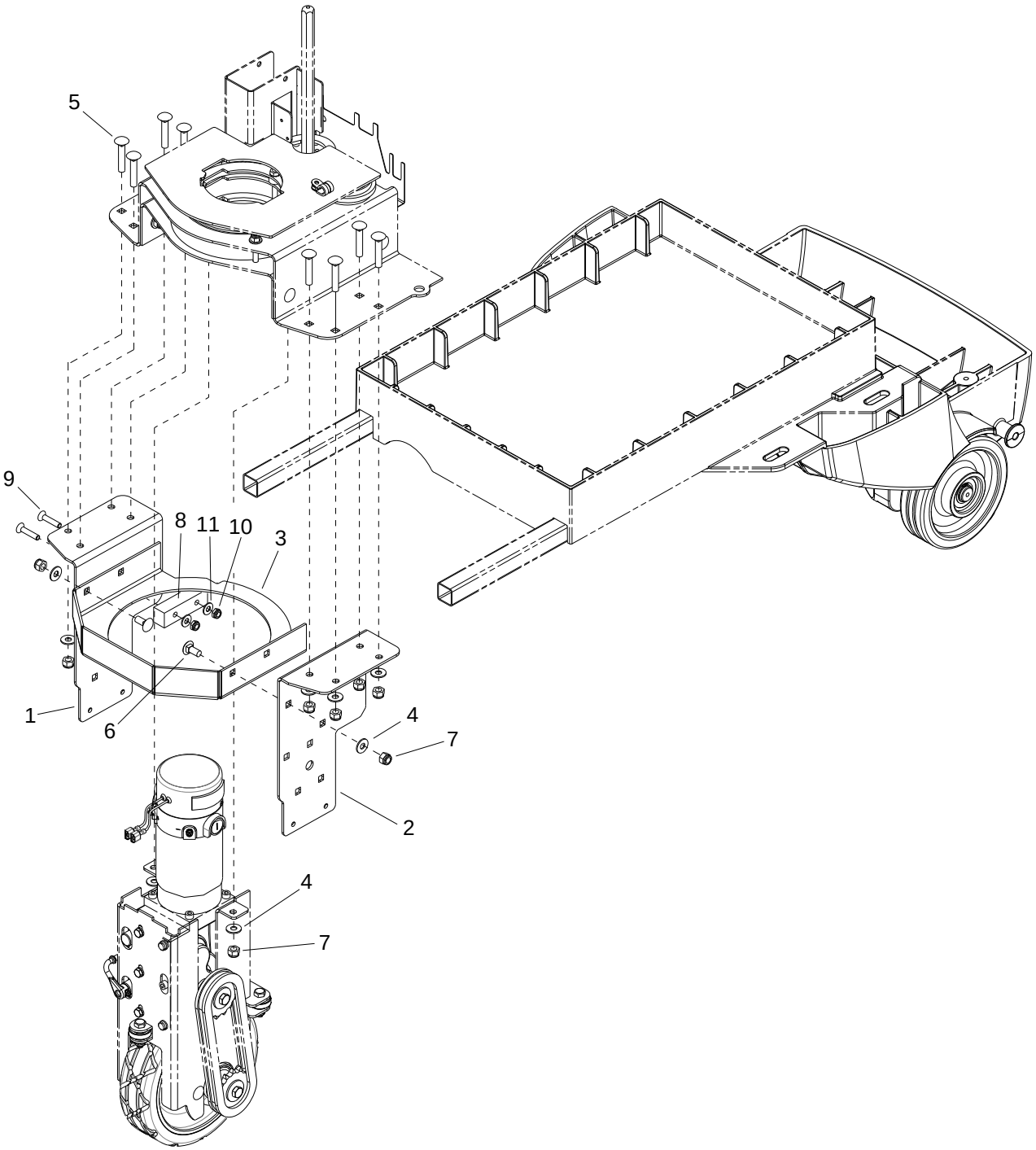
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86410140	1	SPROCKET, ANSI 40 14T		
2	86409640	1	CLIP, .50 SHAFT SIDE RETAIN		
3	86409570	1	BRACKET, C2 CHAIN TENSION		
4	86409560	1	BRACKET, C2 CHAIN MOUNT		
5	86409550	1	PLATE, C2 CHAIN RING		
6	86409520	4	NUT, 1/4-20 X 1.5 CPL SS		
7	86408820	1	PLATE, C2 CHAIN GUARD		
8	86408640	2	BUSHING,.503X1.25X.470 FLG'D'		
9	86408580	1	SCREW, 10-32 X 1 TPNHMS SS BLK ZNPLT		
10	86405590	1	ASM, C2 STEERING BRACKET		
11	86405570	1	BRACKET, CONNECTORS		
12	86405560	1	SHAFT, STEERING SPROCKET		
13	86405510	4	SPACER, .25ID X .43OD X.83LG		
14	86405490	1	BEARING, C2 STEERING		
15	86405480	1	PLATE, C2 INNER RACE TOP		
16	86405470	1	MOUNT, BEARING, LOWER		
17	86405460	1	PLATE, C2 OUTER RACE		
18	86405340	1	CHAIN, ANSI#40 X 21" W/2 MASTER		
19	86363870	1	CLAMP, 5/8" OD CUSHIONED		
20	86007030	2	SCREW, 1/4-20 X .625 PHTRHMS STL NP		
21	86010630	13	WASHER, 1/4 SS		
22	86326710	1	KEY, 5 X 5 X 16MM CS GR1045		
23	86279190	2	WASHER, 10 FLT STL ZNPLT		
24	86278990	3	WASHER, 8 FLT		
25	86278940	2	WASHER, 1/4 STL ZNPLT		
26	86278850	1	WASHER, .506 X .94 X .06 NYL		
27	86275390	4	SCREW, 1/4-20 X 1.625 SCHCS STL ZNPLT		
28	86273850	5	SCREW, 1/4-20 X 2 HHCS SS		
29	86270990	1	NUT, 10-32 HEX NYLOCK SS		
30	86270850	3	NUT, 8-32 HEX NYLOCK SS		
31	86006610	1	SCREW, 1/4-20 X .25 SCHSET KCP BLKOX		
32	86273830	4	SCREW, 1/4-20 X .5 HHCS SS NP		


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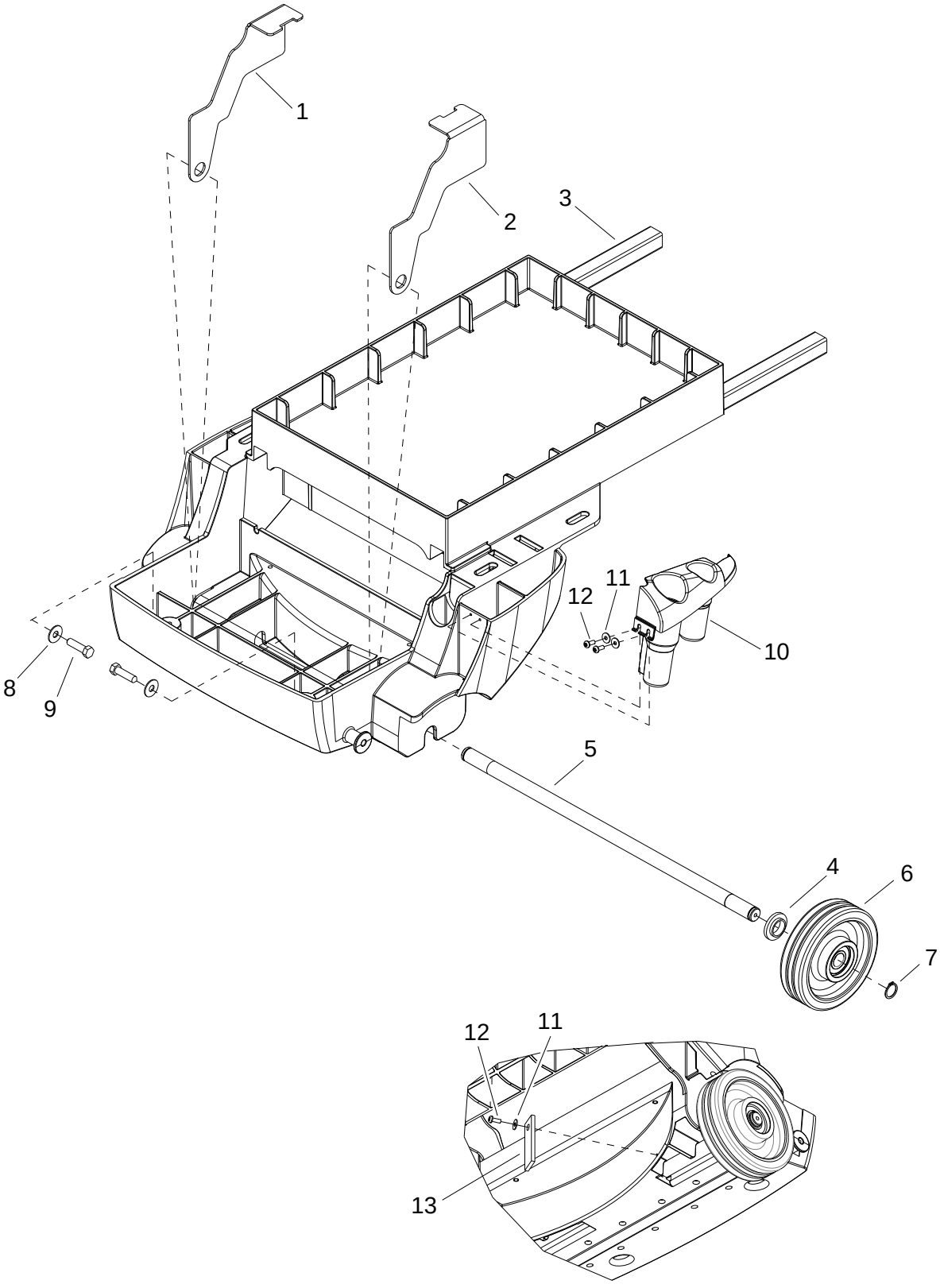
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86005710	3	NUT, 1/4-20 HEX W/STAR		
2	86005810	3	NUT, 1/4-20 HEX NYLOCK SS		
3	86006800	2	SCR, 10-32 X 1/2 PHTR PLT		
4	86010630	7	WASHER, 1/4 X 5/8 FLAT SS		
5	86010670	4	WASHER, 5/16 X 3/4 SS		
6	86010780	1	WASHER, 1/4 SPLIT		
7	86014440	1	BEARING, DRIVE		
8	86224270	1	SLEEVE, CHAIN TENSIONER		
9	86259430	1	WASHER, 12.5 ID X 26 OD X 2T FLAT		
10	86270830	4	NUT, 5/16-18 HEX NYLOCK SS		
11	86271370	2	NUT, 1/4-20 HEX FLG		
12	86271930	1	NUT, 3/8-16 HEX NYLOCK SS		
13	86273100	3	SCR, 1/4-20X2-1/4 HXHD CAP		
14	86273100	4	SCR, 1/4-20 X 1.75 HHCS		
15	86279510	1	SCR, 3/8-16 X 1.25 HHCS SS		
16	86276070	4	SCR, 5/16-18 X 3/4 CARRIAGE SS		
17	86275190	1	WASHER, 3/8 X 1 FLAT NP		
18	86319560	1	CHAIN, ISO O8B, 12.7MM PITCH		
19	86319590	1	SHAFT, STEERING SPROCKET		
20	86319600	1	BRACKET, DRIVE MOUNT		
21	86319610	1	BRACKET, BEARING CLAMP		
22	86319680	1	PLATE, LOWER CLAMP		
23	86319740	1	PLATE, UPPER CLAMP		
24	86322030	3	SPACER		
25	86322040	1	PLATE, CHAIN RING		
26	86322050	1	SPROCKET, STEERING, 14T		
27	86322060	1	COLLAR, 12MM ID		
28	86327110	1	BRACKET, CONNECTORS		
29	86328050	2	WASHER, SHOULDER.48ID X 1.25OD		
30	86329350	1	NUT, 1/4-20 X 7/8 HEX COUPLING SS		
31	86330720	1	CHAIN TENSIONER		
32	86329340	1	PLATE, CHAIN GUARD		
33	86363870	1	CLAMP, 5/8” OD CUSHIONED		
34	86274760	1	SCR,1/4-20 X 1/2 HHCS		
35	86368600	1	WASHER, 2.5OD X 1.25ID X .125THK, DELRIN		
36	86279420	2	WASHER .75IDX1.25ODX.125THK NY		
37	86278940	1	WASHER 1/4 ID X 1-1/4 OD PLT		
38	86232780	-	CHAIN MASTERLINK 12.7MM		


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REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86344620	1	BRACKET, LINKAGE MOUNT		
2	86319730	1	BRACKET, LINKAGE MOUNT, LEFT		
3	86405410	1	BRACKET, C2 LOWER SUPPORT		
4	86010670	6	WASHER, 5/16 X 3/4 SS		
5	86276690	8	SCR, 5/16-18 X 1.75 CARR SS		
6	86276070	2	SCR, 5/16-18 X 3/4 CARRIAGE SS		
7	86270830	6	NUT, 5/16-18 HEX NYLOCK SS		
8	86344630	1	BLOCK, MOTOR LIFTER		
9	86277650	2	SCR, 1/4-20 X 1.25 PPHMS SS		
10	86271870	2	NUT, 1/4-20 HEX NYLOCK THIN SS		
11	86010630	3	WASHER, 1/4 X 5/8 FLAT SS		
12	86065810	3	NUT, 1/4-20 HEX NYLOCK SS		

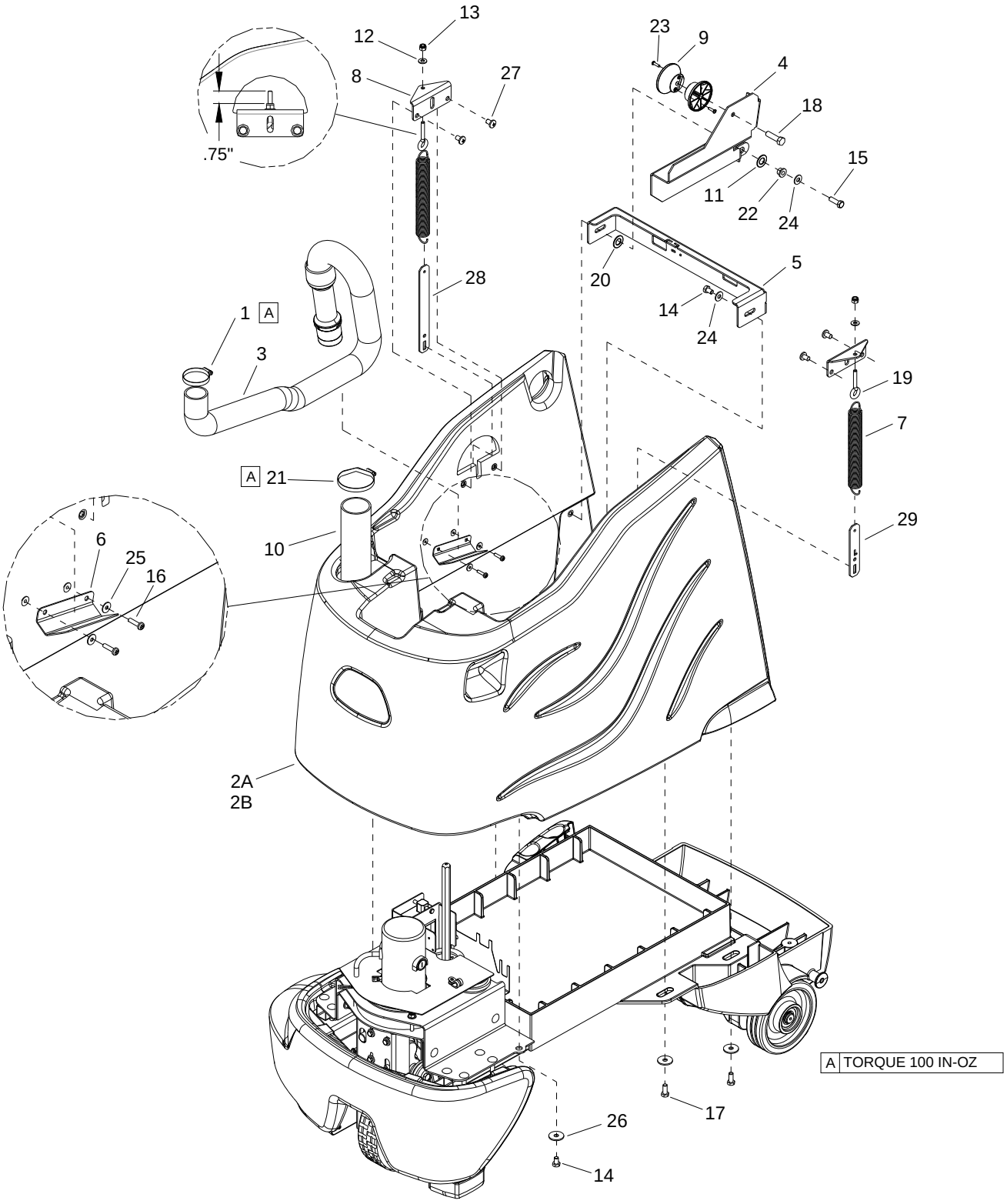

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REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86344620	1	BRACKET, LINKAGE MOUNT		
2	86319730	1	BRACKET, LINKAGE MOUNT, LEFT		
3	86331630	1	BRACKET, ROLLER GUIDE		
4	86010670	12	WASHER, 5/16 X 3/4 SS		
5	86276690	8	SCR, 5/16-18 X 1.75 CARR SS		
6	86276070	2	SCR, 5/16-18 X 3/4 CARRIAGE SS		
7	86270830	12	NUT, 5/16-18 HEX NYLOCK SS		
8	86344630	1	BLOCK, MOTOR LIFTER		
9	86277650	2	SCR, 1/4-20 X 1.25 PPHMS SS		
10	86271870	2	NUT, 1/4-20 HEX NYLOCK THIN SS		
11	86010630	2	WASHER, 1/4 X 5/8 FLAT SS		

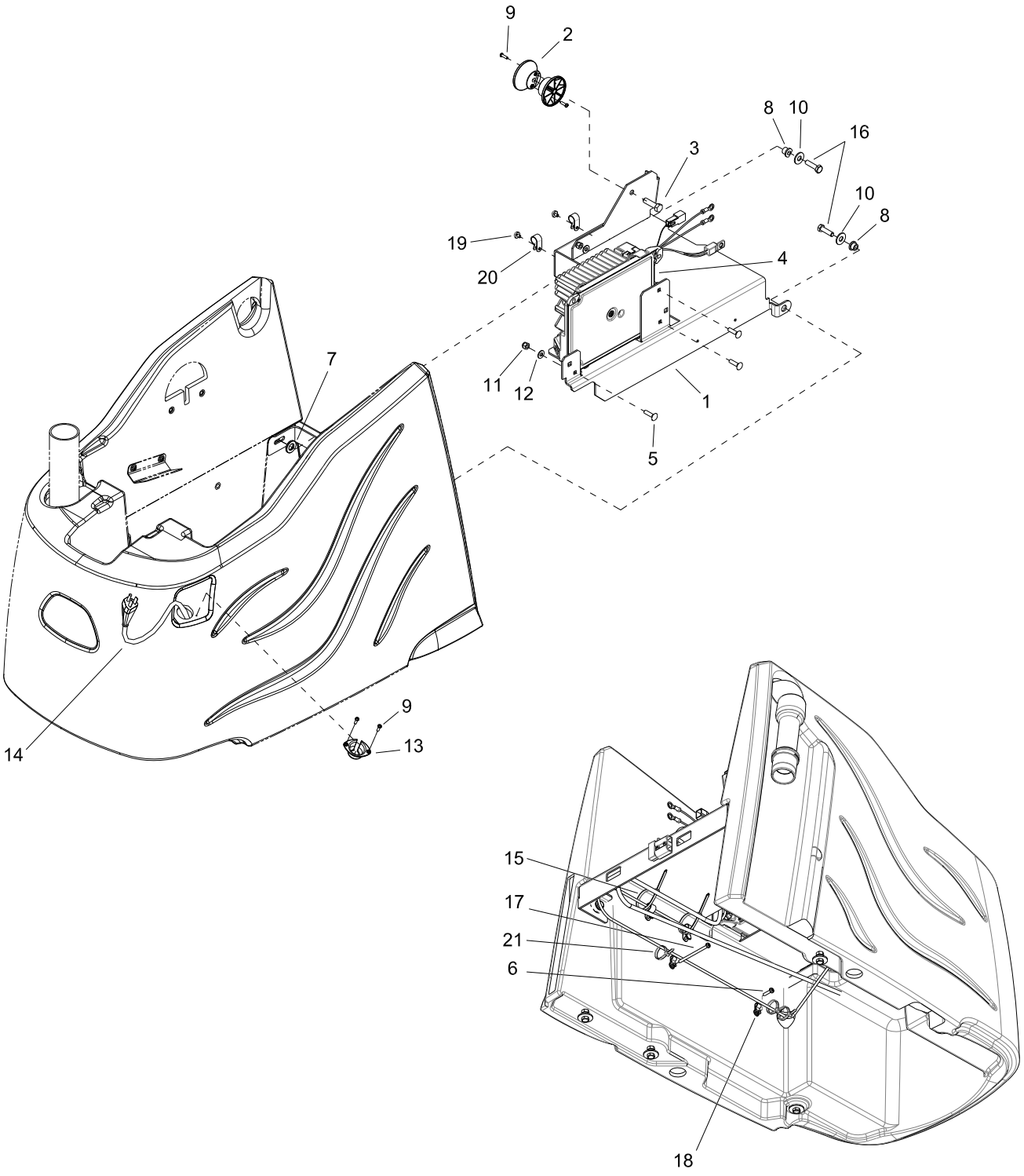


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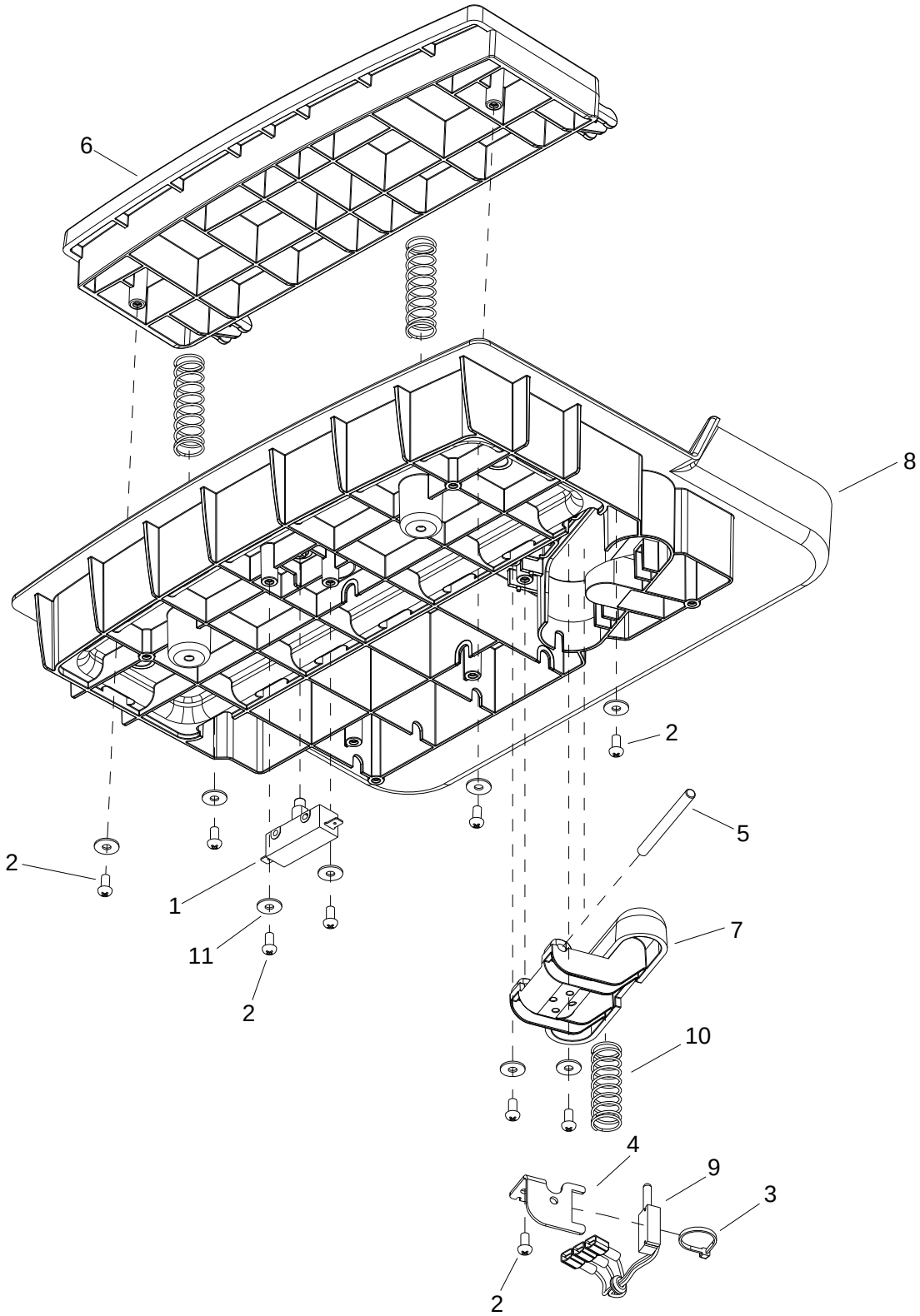
REF	PART NO.	QTY	DESCRIPTION	SERIALNO. FROM	NOTES
1	86326260	1	BRACKET, FRAME LEFT		
2	86326250	1	BRACKET, FRAME RIGHT		
3	86355230	1	ASM FRAME, CV60/2 BLK		INCLUDES ITEM 8 & 9
4	86326220	2	SPACER, FLG .887ID X 1.055D X .345LG		
5	86318030	1	AXLE, 20MM X 562 MM		
6	86369160	2	WHEEL, 6.00X1.58, GRY W/BEARINGS		
7	86223470	2	RING, 20MM EXTERNAL SNAP		
8	86278910	2	WASHER 3/8 SS		
9	86340950	2	SCR, 3/8 X 1.5, LAG, PLTD		
10	86355680	1	HOUSING, ACCESSORY, CV 60/2		
11	86173330	3	WASHER, M5, FLAT, ISO7093, SS		
12	86327510	3	SCR, KA50 X 16, WN1412 A2 SS		
13	86256130	1	STRAP, STATIC, .2T X 1W X 3L		


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A TORQUE 100 IN-OZ
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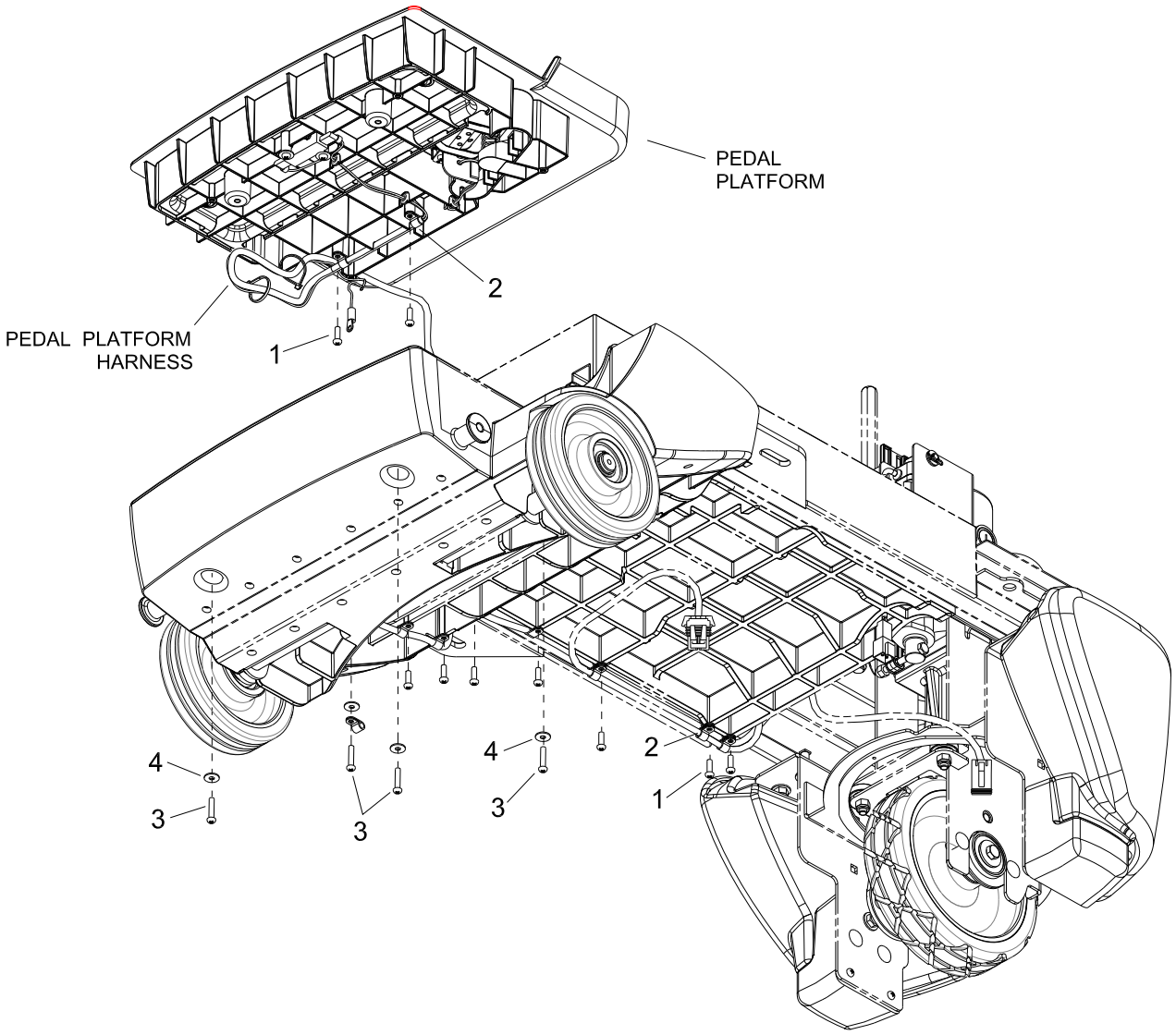
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86002400	1	CLAMP, 2.00 WORM GEAR X .312		
2A	86376910	1	COVER, TRIM, NC, GRY		CV24
2B	86399470	1	COVER, TRIM, OBC, CV24		CVC24
3	86345730	1	HOSE, Ø1.5", ACCESSORY		
4	86345360	1	BRACKET, ROLLER		
5	86345200	1	BRACKET, BRACE		
6	86345120	1	BRACKET, HOSE SUPPORT		
7	86346000	2	SPRING, EXT, 1.0 OD X 8.5L		
8	86341570	2	BRACKET, SPRING MOUNT		
9	86340780	2	ROLLER, HOSE		
10	86340310	1	HOSE, Ø2" W/ 90° CUFF		
11	86259410	1	WASHER THRUST.51 ID X1ODX.063		
12	86010630	2	WASHER, 1/4 X 5/8 FLAT SS		
13	86005810	2	NUT, 1/4-20 HEX NYLOCK SS		
14	86275180	3	SCR, 5/16-18 X 1/2 HHCS GR5		
15	86006750	1	SCR, 5/16-18 X 1.00 HHCS GR5		
16	86273980	2	SCR, 10-32 X 3/4 PPHMS SS		
17	86006760	3	SCR, 5/16-18 X 3/4 HHCS GR5		
18	86340950	1	SCR, 3/8 X 1.5, LAG, PLTD		
19	86270310	2	EYEBOLT, 1/4-20 X 1.5		
20	86259400	1	WASHER THRUST.51 ID X 1 ODBRO		
21	86002380	1	CLAMP, 2.25 WORM GEAR		
22	86228990	1	BEARING FLG .314IDX.502OD		
23	86173140	2	SCR,KA40X16,PT OVAL,WN1412,PL		
24	86010670	2	WASHER, 5/16 X 3/4 SS		
25	86010650	2	WASHER, #10 X 9/16 FLAT		
26	86279630	5	WASHER, .344IDX1.13ODX.09T PLT		
27	86277480	4	SCREW 5/16-18X1/2 PTHMS SS		
28	86352410	1	PLATE, SPRING EXTENSION		
29	86352420	1	PLATE, SPRING EXTENSION, LEFT		


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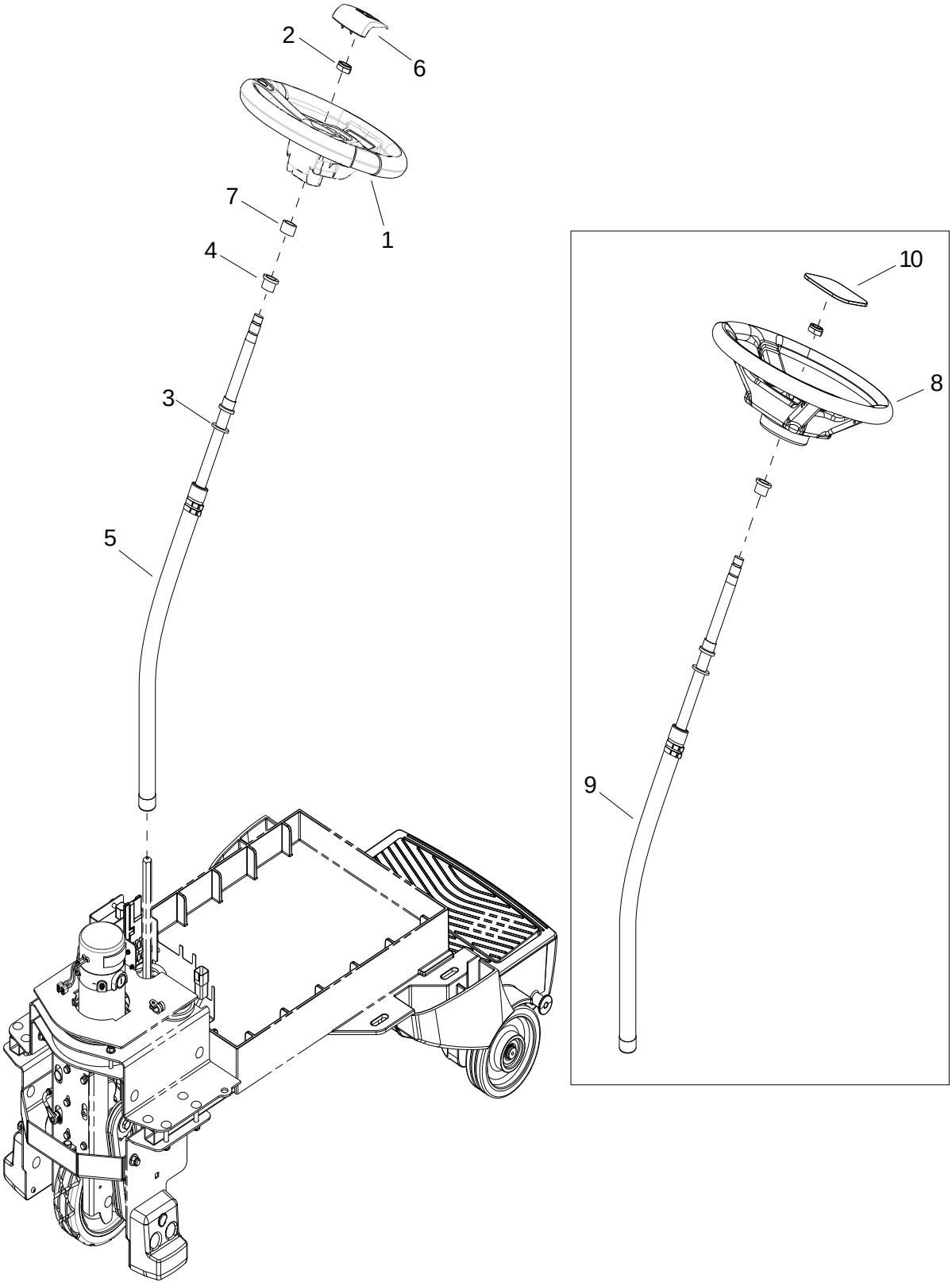
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86345140	1	BRACKET, CHARGER		
2	86340780	2	ROLLER, HOSE		
3	86340950	1	SCR, 3/8 X 1.5, LAG, PLTD		
4	86372000	1	CHARGER, DELTA Q, ASM, 36V		
5	86276960	3	SCREW, 1/4-20 X 1 CARRIAGE SS		
6	86273980	1	SCREW, 10-32 X .75 PHPNHMS SS		
7	86259410	2	WASHER, THRUST .51 ID X1ODX.063		
8	86228990	2	BEARING FLG .314IDX.502OD		
9	86173140	4	SCR,KA40X16,PT OVAL,WN1412,PL		
10	86010670	2	WASHER, 5/16 X 3/4 SS		
11	86005810	3	NUT, 1/4-20 HEX NYLOCK SS		
12	86010630	3	WASHER, 1/4 ID X 5/8 OD SS		
13	86344430	1	GROMMET, CHARGE PLUG		
14	86373320	1	CORD ASM, 16/3 SJTX12FT IEC		
15	86264940	2	CABLE TIE, 11.38" UL/CSA		
16	86006750	2	SCREW 5/16-18 X 1"HHCSGR5PLT NP		
17	86348290	1	SCR, 10-32 X 3 PPHMS SS		
18	86198450	2	CLAMP, 5/16 DIA NYLON		
19	86359740	2	SCR, 10-32 X 5/16 HWHTR		
20	86198470	2	CLAMP, 9/16 DIA NYLON		
21	86264930	3	CABLE TIE, 3.5" UL/CSA		


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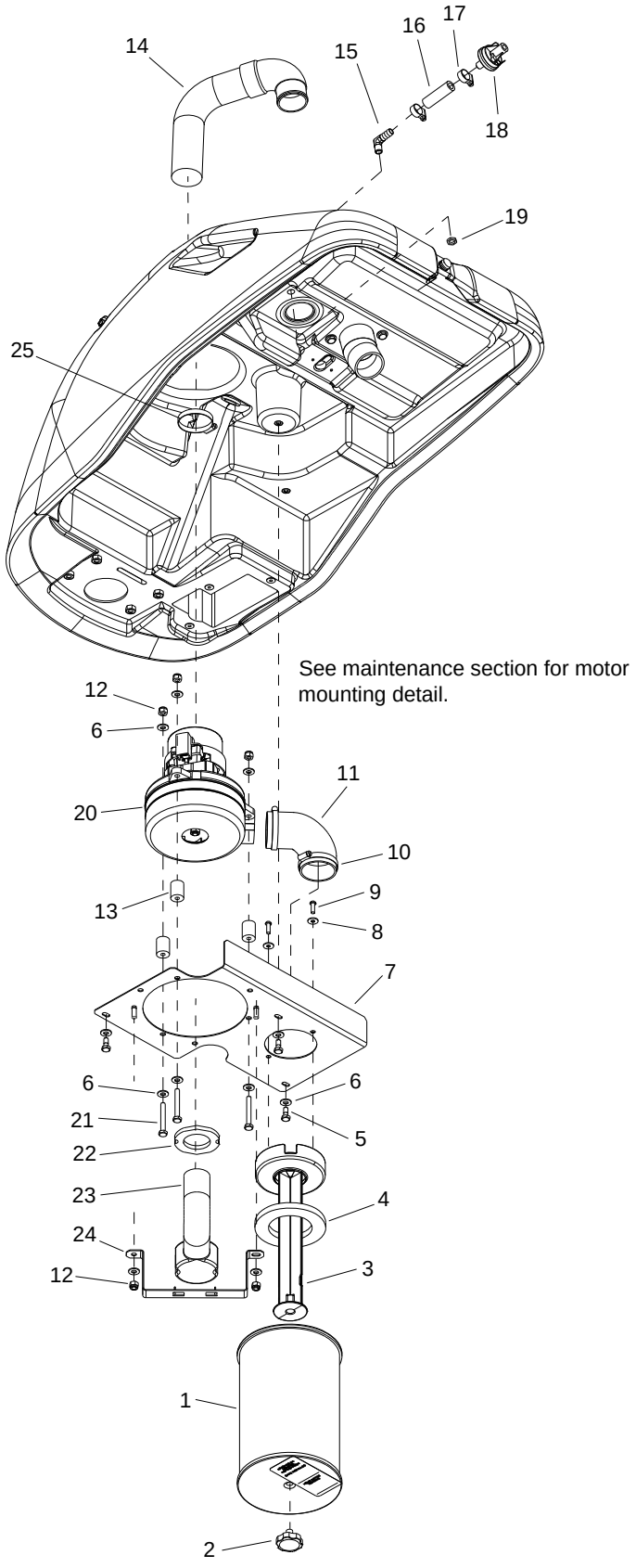
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86007110	1	SWITCH, 25A SPST 125-250V SNAP		
2	86172980	9	SCR, KA50X10, PT OHS, WN1412, PLTD		
3	86264930	1	CABLE TIE, 3.5" UL/CS		
4	86326150	1	BRKT, LINEAR POT		
5	86326140	1	PIN, DOWEL .25 X 2.75, STEEL		
6	86334240	1	PEDAL, HEEL, BLK		
7	86334690	1	PEDAL, ACCELERATOR, YEL		
8	86334230	1	PLATFORM, OPERATOR, BLK		
9	86311560	1	POTENTIOMETER ASM, LINEAR		
10	86254970	3	SPRING, COMP 18MM OD X 83 X 2		
11	86173330	8	WASHER, M5, FLAT, ISO7093, SS		


PEDAL
PLATFORM
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PEDAL PLATFORM
HARNESS
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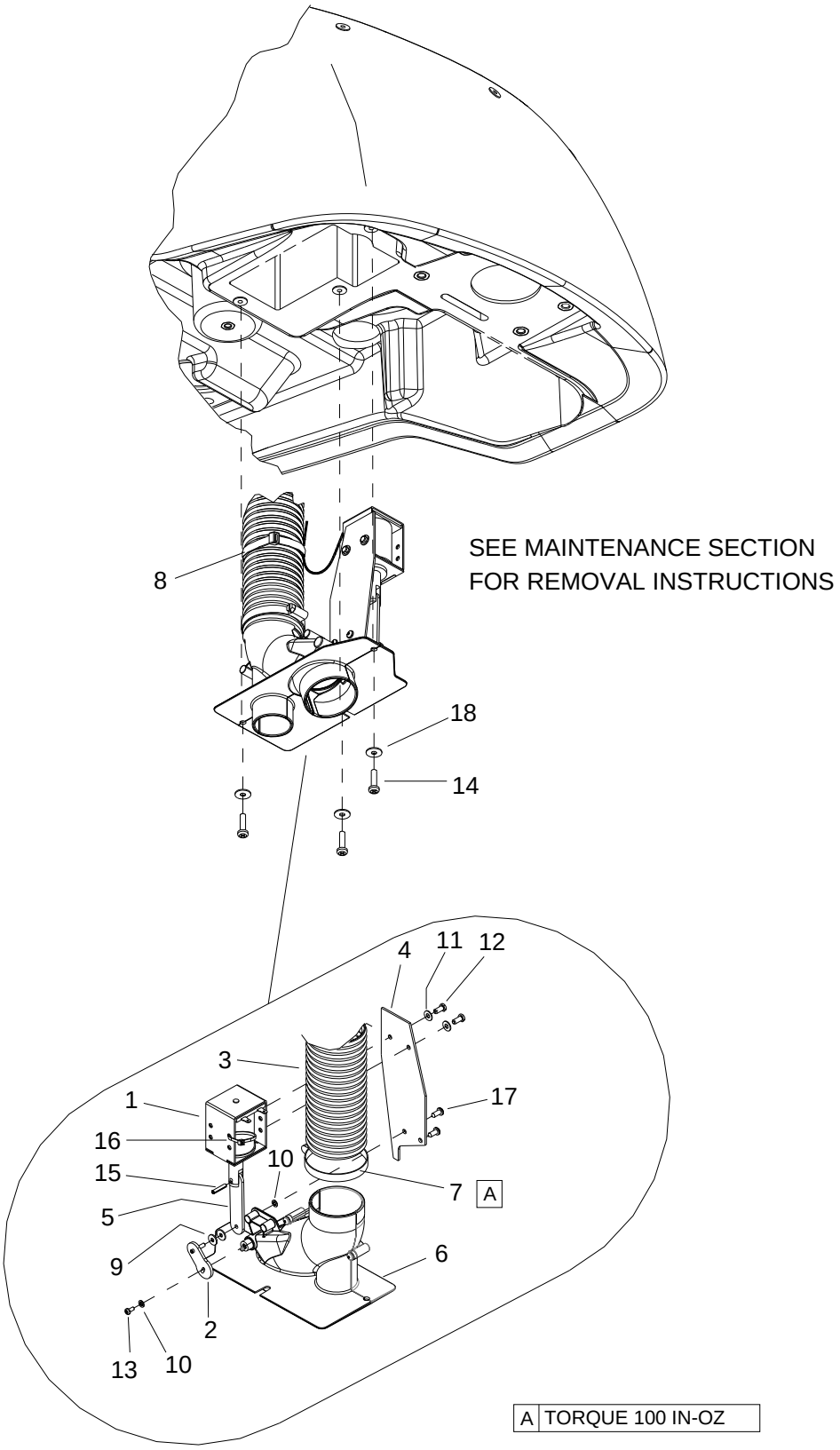
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86327510	9	SCR, KA50 X 16, WN1412 A2 SS		
2	86198440	15	CLAMP, 1/4 PLASTIC CABLE		
3	86327910	4	SCR, KA50X25, PT OHS, WN1412, PLTD		
4	86173330	4	WASHER, M5, FLAT, ISO7093, SS		


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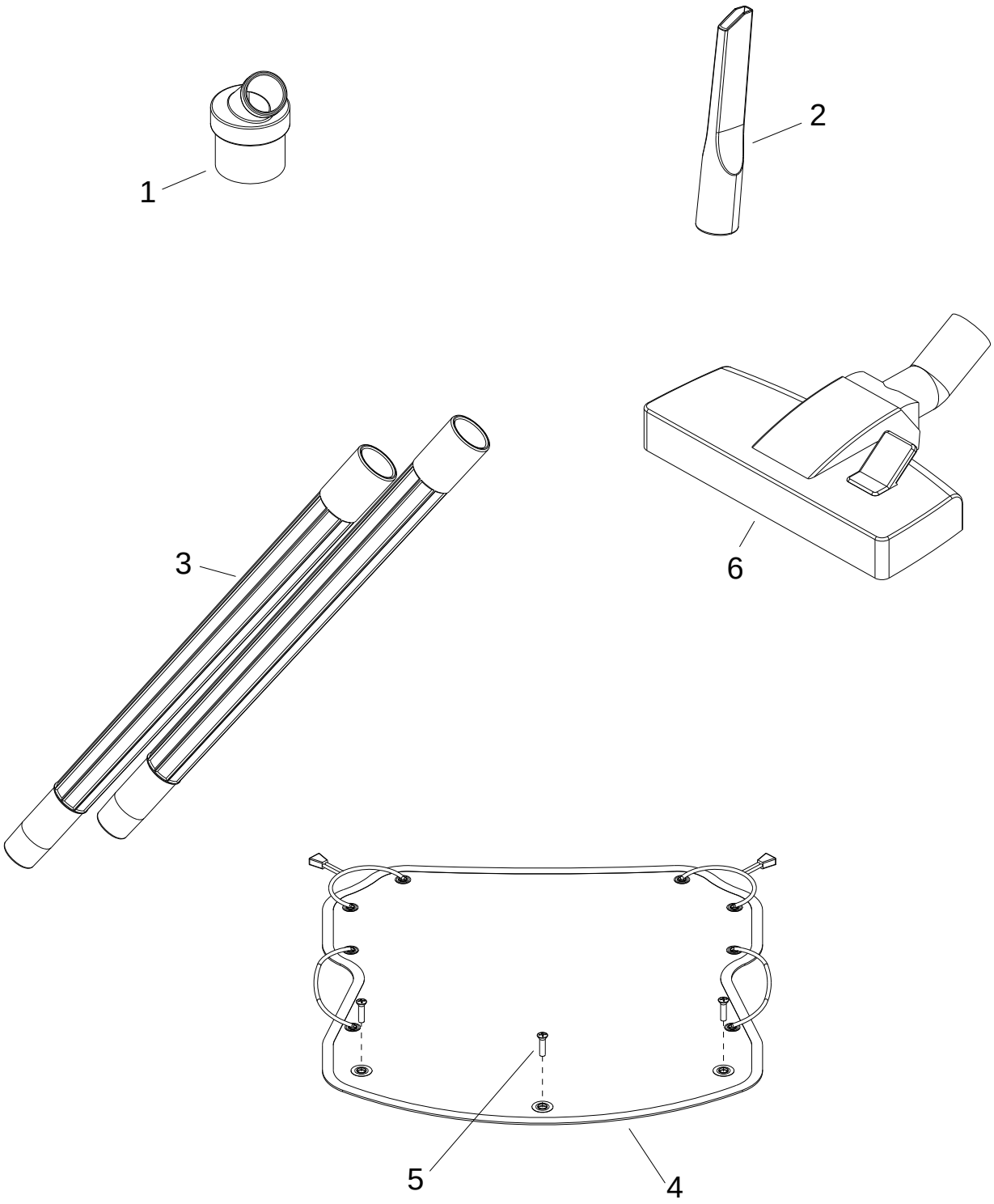
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	64357990	1	STEERING WHEEL		
2	86271610	1	NUT 5/8-18 HEX NYLOCK THN		
3	86279420	1	WASHER,.75IDX1.25ODX.125THK NY		
4	86228790	1	BEARING FLANGE .88ODX.75IDX.75		
5	86355690	1	STEERING SHAFT		COMPLETE
6	66403530	1	CAP STEERING WHEEL KARCHER		
7	86333950	1	BUSHING, .751 D X 1 X .625 FLG		
8	86259610	1	WHEEL STEERING 40 SPLINE HUB		
9	86378370	1	ASM, SHAFT, STEERING, CHARIOT 2		
10	86234810	1	COVER, STEERING WHEEL		


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See maintenance section for motor mounting detail.
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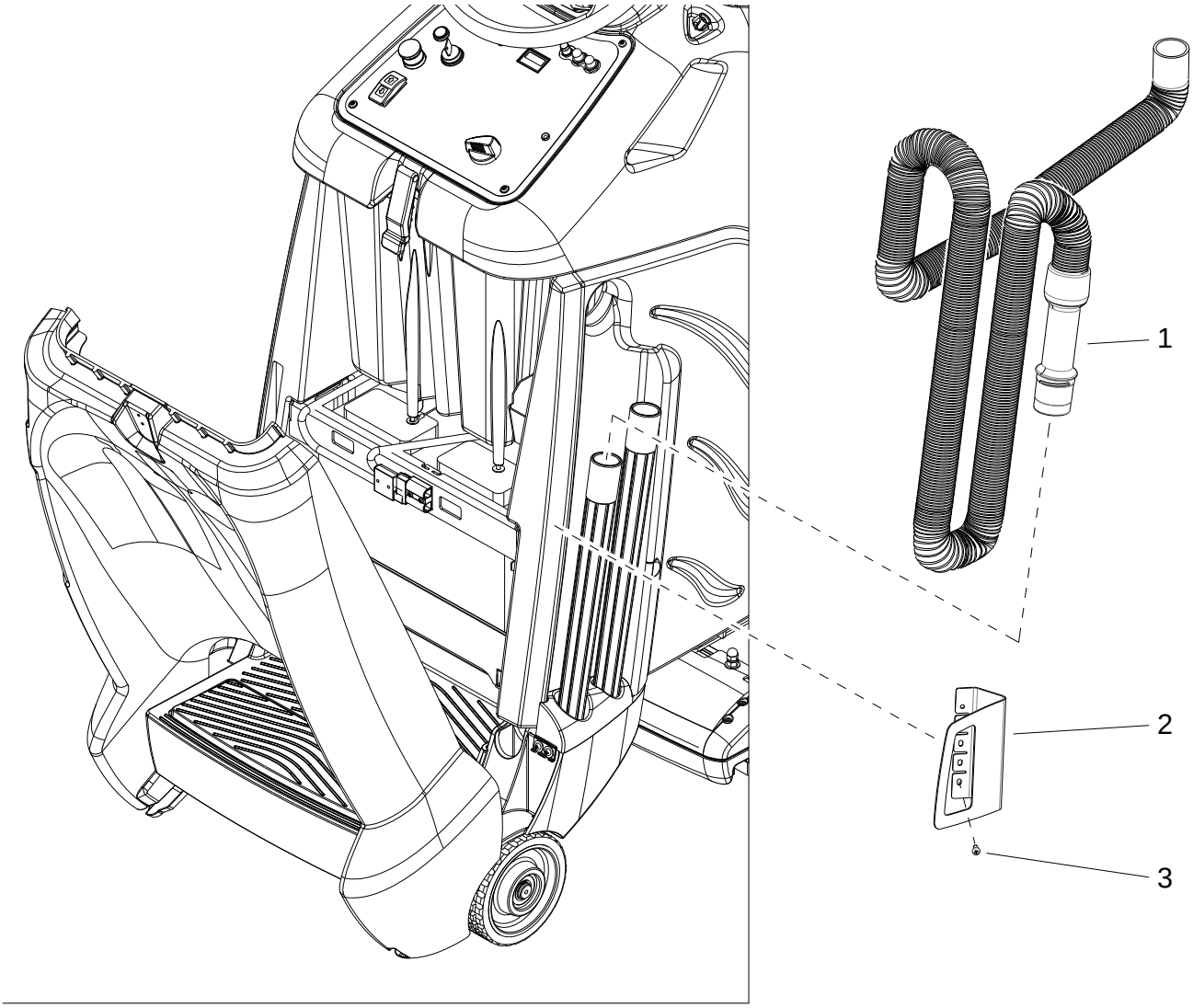
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86345290	1	FILTER, Ø6X9, HEPA/CARBON		
-	86345280	1	FILTER, Ø6X9, SPUNBOND/CARBON		
-	86345270	1	FILTER, Ø6X9, SPUNBOND		
2	86345610	1	SCR, 3/8-16X1/2, THUMB ROSETTE		
3	86340760	1	MOUNT, POST FILTER		
4	86237440	1	GASKET, 4.06 X 2.50 X .38		
5	86275890	3	SCR, 1/4-20 X 5/8 HHCS5 (PLTD)		
6	86010630	9	WASHER 1/4 ID X 5/8 OD SS		
7	86340710	1	BRACKET, VAC MOUNT		
8	86173330	2	WASHER, M5, FLAT, ISO7093, SS		
9	86014530	2	SCR, KA50X16, PT, WN1412, PLT		
10	86002380	2	CLAMP, 2.25" WORM GEAR		
11	86344760	1	HOSE, Ø2.0 VAC X 5.5		
12	86005810	5	NUT 1/4-20 HEX NYLOCK SS		
13	86327500	3	MOUNT, VIBRATION		
14	86344740	1	HOSE,Ø1.5 BLK PVC VAC X 7		
15	86197590	1	HOSEBARB, 1/8MPT X 3/8 90D		
16	86281680	1	HOSE 3/8ID NYLOBRD X 2"		
17	86233090	1	CLAMP, 1/4 ID HOSE		
18	86257160	1	SWITCH VACUUM 15" H20 NC/NO		
19	86346530	1	NUT, 1/8 IPS BRASS		
20	86012210	1	VAC MOTOR, 36VDC 2ST TD		
21	86273850	3	SCR, 1/4-20 X 2 HHCS SS		
22	86326200	1	GASKET, VACUUM INTAKE		
23	86340660	1	INTAKE, VAC MOTOR		
24	86345190	1	BRACKET, VAC MOTOR		
25	86002400	1	CLAMP 2.0" WORM GEAR X .312W		


SEE MAINTENANCE SECTION
FOR REMOVAL INSTRUCTIONS
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A TORQUE 100 IN-OZ

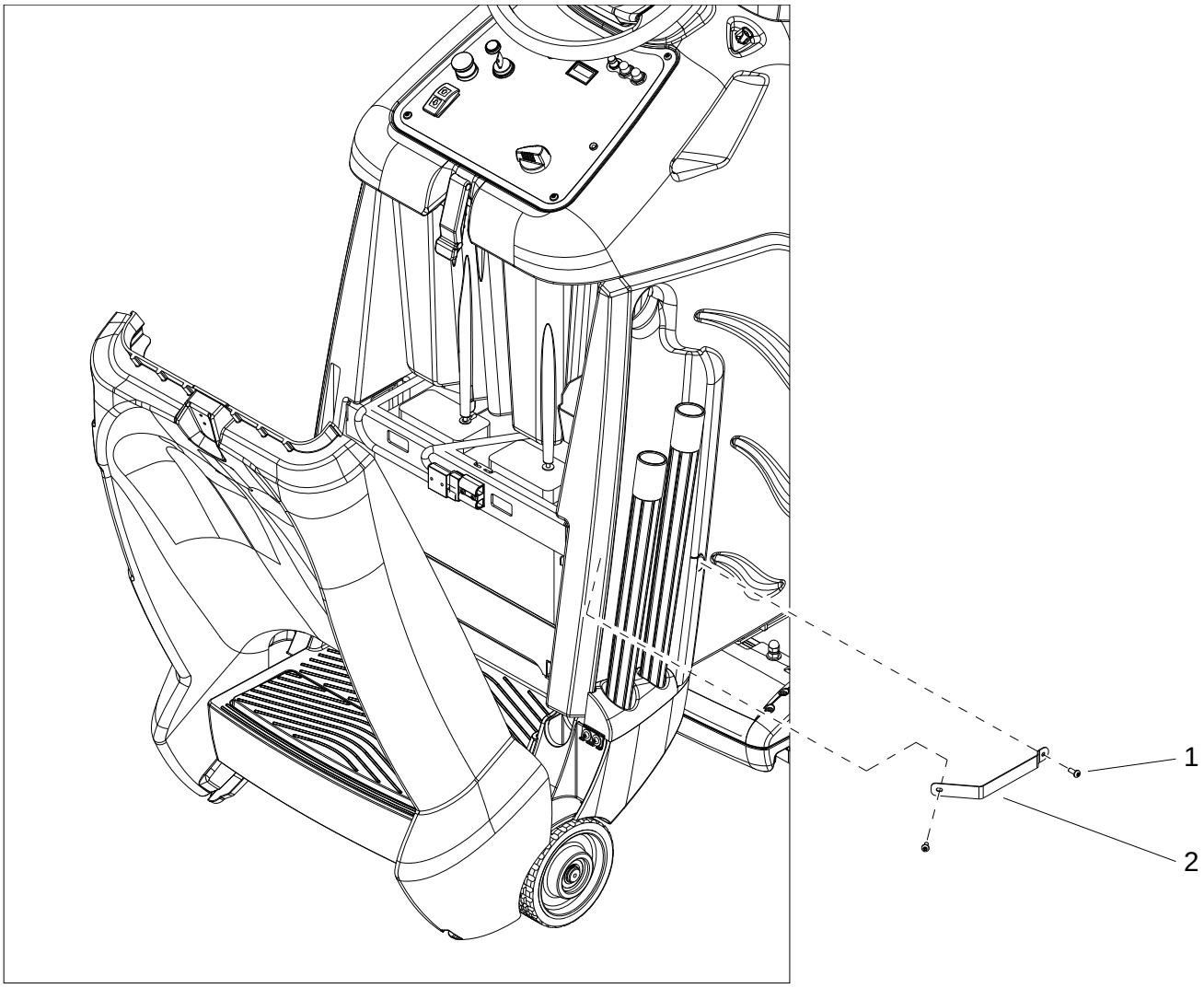
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86345660	1	SOLENOID, 24VDC, 198 OZ FORCE		
2	86344930	1	PLATE, FLAP LEVER		
3	86344750	1	HOSE, Ø2.0 VAC X 25		
4	86340750	1	PLATE, SOLENOID		
5	86340700	1	LINK, SOLENOID		
6	86370820	1	DIVERTER VALVE HOUSING ASM		
7	86002380	1	CLAMP, 2.25 WORM GEAR		
8	86264940	1	CABLE TIE, 11.38" UL/CSA		
9	86279450	2	WASHER, #6 X .40 FLAT		
10	86279100	2	WASHER, #4 INT STAR		
11	86278990	2	WASHER, #8 X 3/8 FLAT		
12	86276220	2	SCR, 8-32 X 3/8" HHCS SS		
13	86348980	1	SCR, 4-40 X 3/8 PPHMS PLT		
14	86273980	3	SCR, 10-32 X 3/4 PPHMS SS		
15	86272190	2	PIN, ROLL 1/8" X 5/8" L		
16	86264930	1	CABLE TIE, 3.5IN. UL/CSA		
17	86172940	2	SCR,KA40X10,OHCS,WN1412,PL		
18	86010650	3	WASHER, #10 X 9/16 FLAT		


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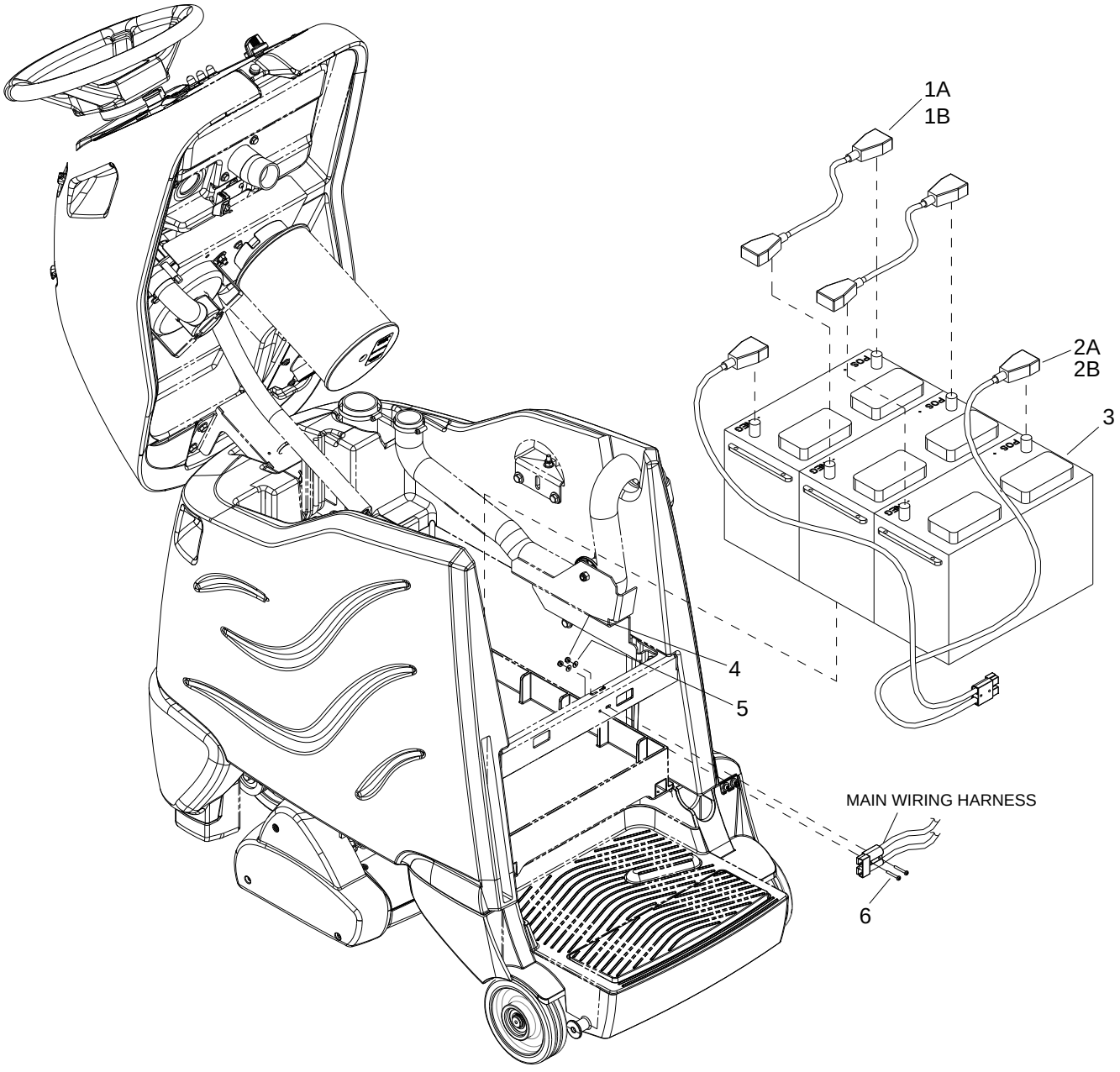
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86344870	1	BRUSH, DUST		
2	69034030	1	NOZZLE, AKW		
3	86000090	2	TUBE, 20” EXTENSION		
4	86355330	1	COVER, CONSOLE		
5	86349130	3	SCR, 10-32 X 3/4 PHOVALMS SS BLK ZINC		
6	69069540	1	COMBINATION NOZLE DN32		OPTIONAL


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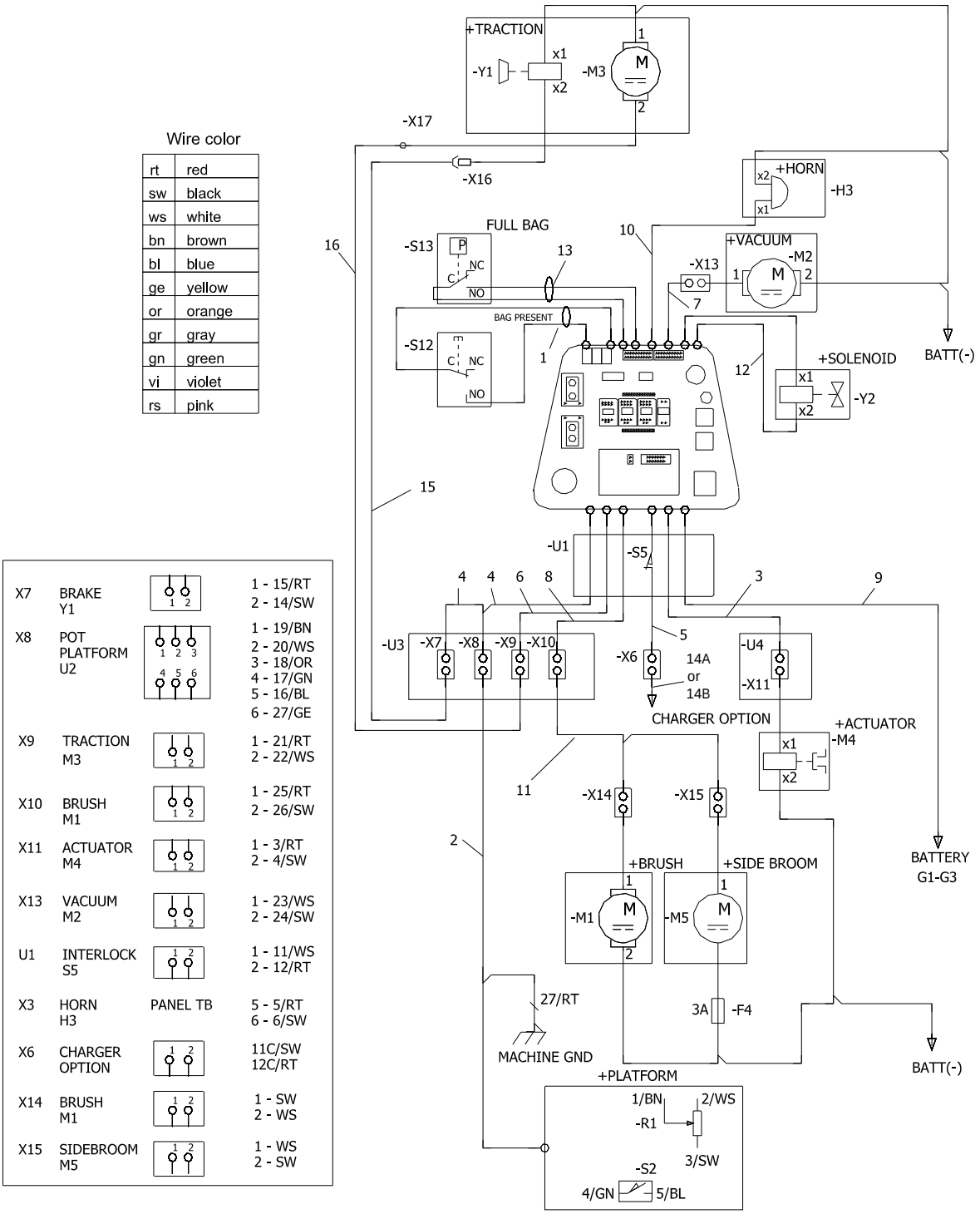
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86349210	1	HOSE, ASM, 1 1/2, 20 ACCESSORY		
2	86350200	1	BRACKET, HOSE SUPPORT		
3	86006870	5	SCREW #10B X 1/2 PHSM BLK		
-	98409580	-	KIT, 20' ACCESSORY HOSE		COMPLETE


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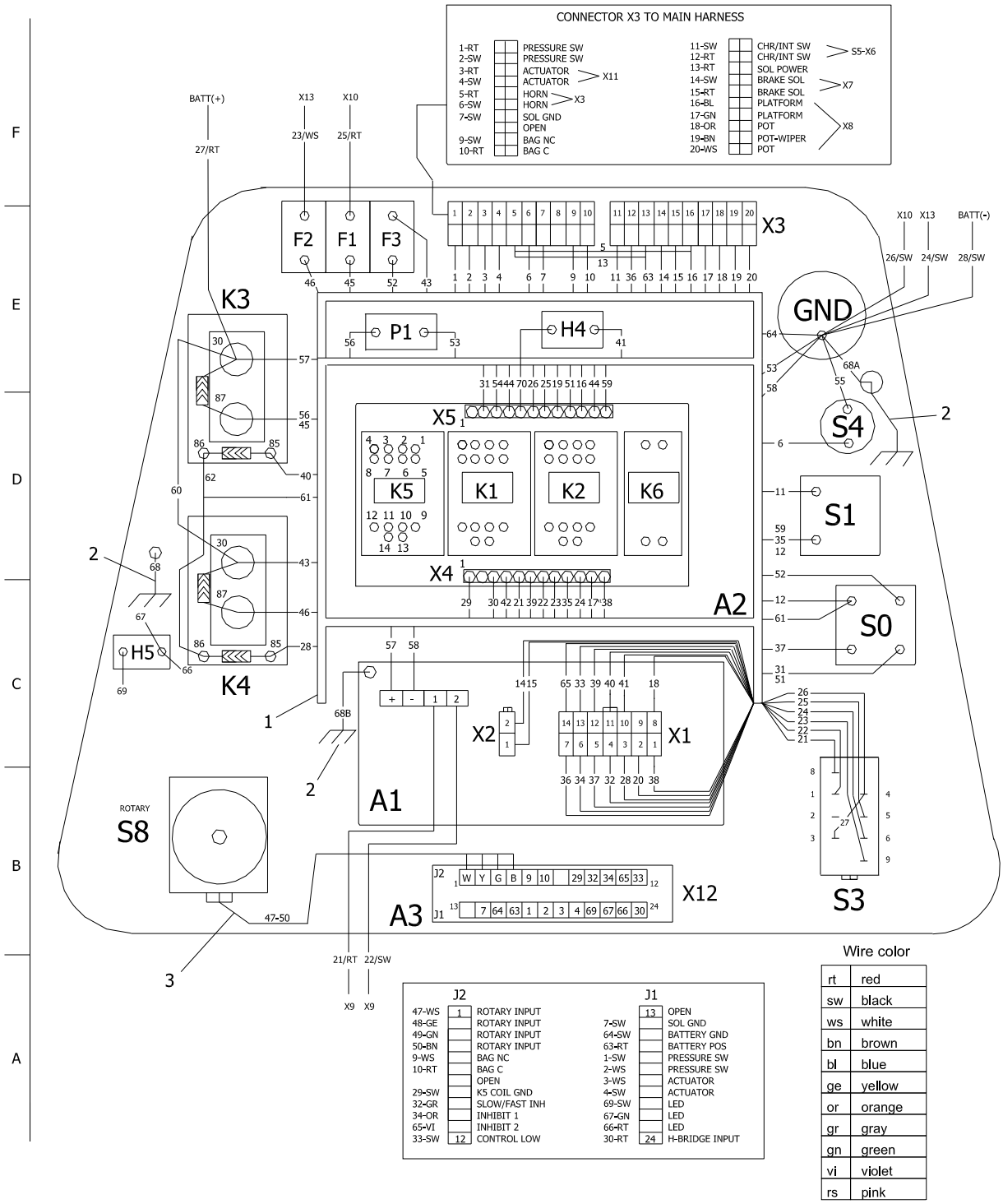
REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86345300	1	BRACKET, WAND SUPPORT		
2	86006870	2	SCREW, #10B X 1/2 PHSM BLK		
-	98409570	-	KIT, WAND BRKT		COMPLETE


1A
1B
2A
2B
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MAIN WIRING HARNESS
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REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1A	86329720	2	BATT, CBL, ASM, JUMPER		
1B	86334280	2	CBL, 6GA 5/16" RING 15"		NOT SHOWN
2A	86329710	1	BATT,CBL,ASM,W/ANDERSON		
2B	86334270	1	CBL, BATT RING W/ANDERSON		NOT SHOWN
3	86228400	3	BATTERY, 12V, 130AH		
-	86328630	3	BATTERY, 12V 114A/H AGM		NOT SHOWN
4	86270920	2	SP NUT, 6-32 HEX NYLOCK SS		
5	86279450	2	WASHER, #6 FLAT SAE PLTD		
6	86274710	2	SCR, 6-32 X 1.0 PPHMS		
-	86271910	6	NUT, 5/16-18 FLEXLOCK		NOT SHOWN
-	86006560	6	SCREW 5/16-18 X 1 HHCS SS NP		NOT SHOWN

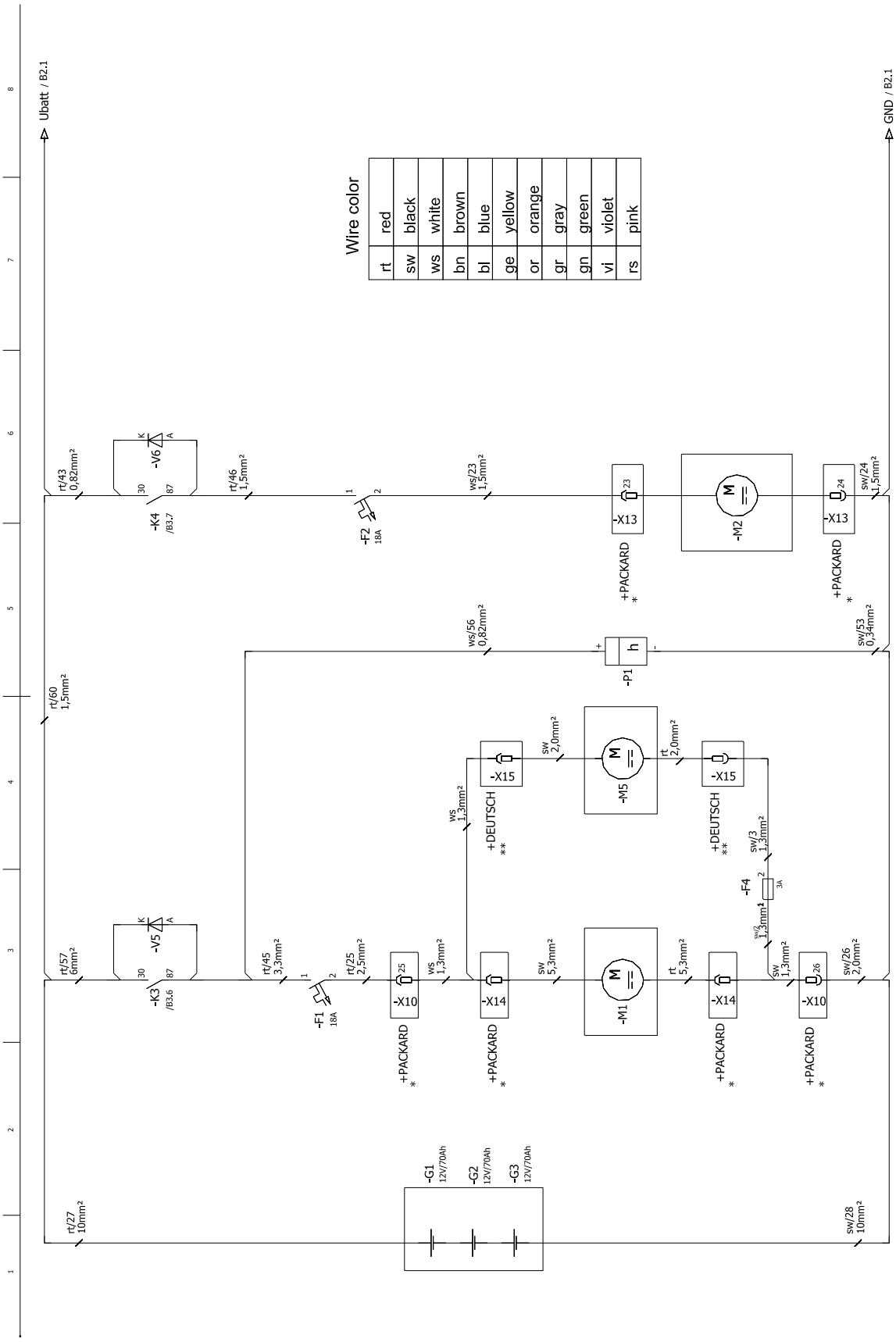

Wire color
rt red
sw black
ws white
bn brown
bl blue
ge yellow
or orange
gr gray
gn green
vi violet
rs pink
+TRACTION
-Y1
-M3
-X17
-X16
+HORN
-H3
FULL BAG
-S13
BAG PRESENT
-S12
+VACUUM
-M2
-X13
+SOLENOID
-Y2
BATT(-)
-U1
-S5
-U3
-X7
-X8
-X9
-X10
-X6
14A
or
14B
CHARGER OPTION
-U4
-X11
+ACTUATOR
-M4
-X14
-X15
+BRUSH
+SIDE BROOM
-M1
-M5
BATTERY
G1-G3
27/RT
MACHINE GND
3A
-F4
BATT(-)
+PLATFORM
1/BN
2/WS
-R1
3/SW
-S2
4/GN
5/BL
X7 BRAKE Y1 1 - 15/RT 2 - 14/SW
X8 POT PLATFORM U2 1 - 19/BN 2 - 20/WS 3 - 18/OR 4 - 17/GN 5 - 16/BL 6 - 27/GE
X9 TRACTION M3 1 - 21/RT 2 - 22/WS
X10 BRUSH M1 1 - 25/RT 2 - 26/SW
X11 ACTUATOR M4 1 - 3/RT 2 - 4/SW
X13 VACUUM M2 1 - 23/WS 2 - 24/SW
U1 INTERLOCK S5 1 - 11/WS 2 - 12/RT
X3 HORN H3 PANEL TB 5 - 5/RT 6 - 6/SW
X6 CHARGER OPTION 11C/SW 12C/RT
X14 BRUSH M1 1 - SW 2 - WS
X15 SIDEBROOM M5 1 - WS 2 - SW

REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES
1	86372240	1	HARNESS, BAG PRESENT		
2	86353960	1	HARNESS, CV24 OPERATOR PLATFORM		
3	86344450	1	HARNESS, MAIN ACTUATOR		
4	86353970	1	HARNESS, CV24 MAIN POT AND BRAKE		
5	86333120	1	HARNESS, CS20 MAIN CHARGER		
6	86333130	1	HARNESS, CS20 MAIN TRACTION		
7	86333140	1	HARNESS, CS20 MAIN VACUUM		
8	86333150	1	HARNESS, CS20 MAIN BRUSH		
9	86333160	1	HARNESS, CS20 MAIN POWER		
10	86333170	1	HARNESS, CS20 MAIN HORN		
11	86344500	1	HARNESS, SIDE BROOM/BRUSH		
12	86372250	1	HARNESS, VAC SOLENOID		
13	86344470	1	HARNESS, VAC SWITCH		
14A	86333180	1	JUMPER, CHARGER INHIBIT		
14B	86332680	1	HARNESS, CHARGER JUMPER		OPTION-ON BOARD CHARGER
15	86412060	1	HARNESS, LOWER, BRAKE		From SN (3*)
-	86362990	1	HARNESS, LOWER BRAKE		Prior to SN (3*)
16	86412050	1	HARNESS, LOWER, TRACTION		From SN (3*)
-	86365410	1	HARNESS, LOWER TRACTION		Prior to SN (3*)

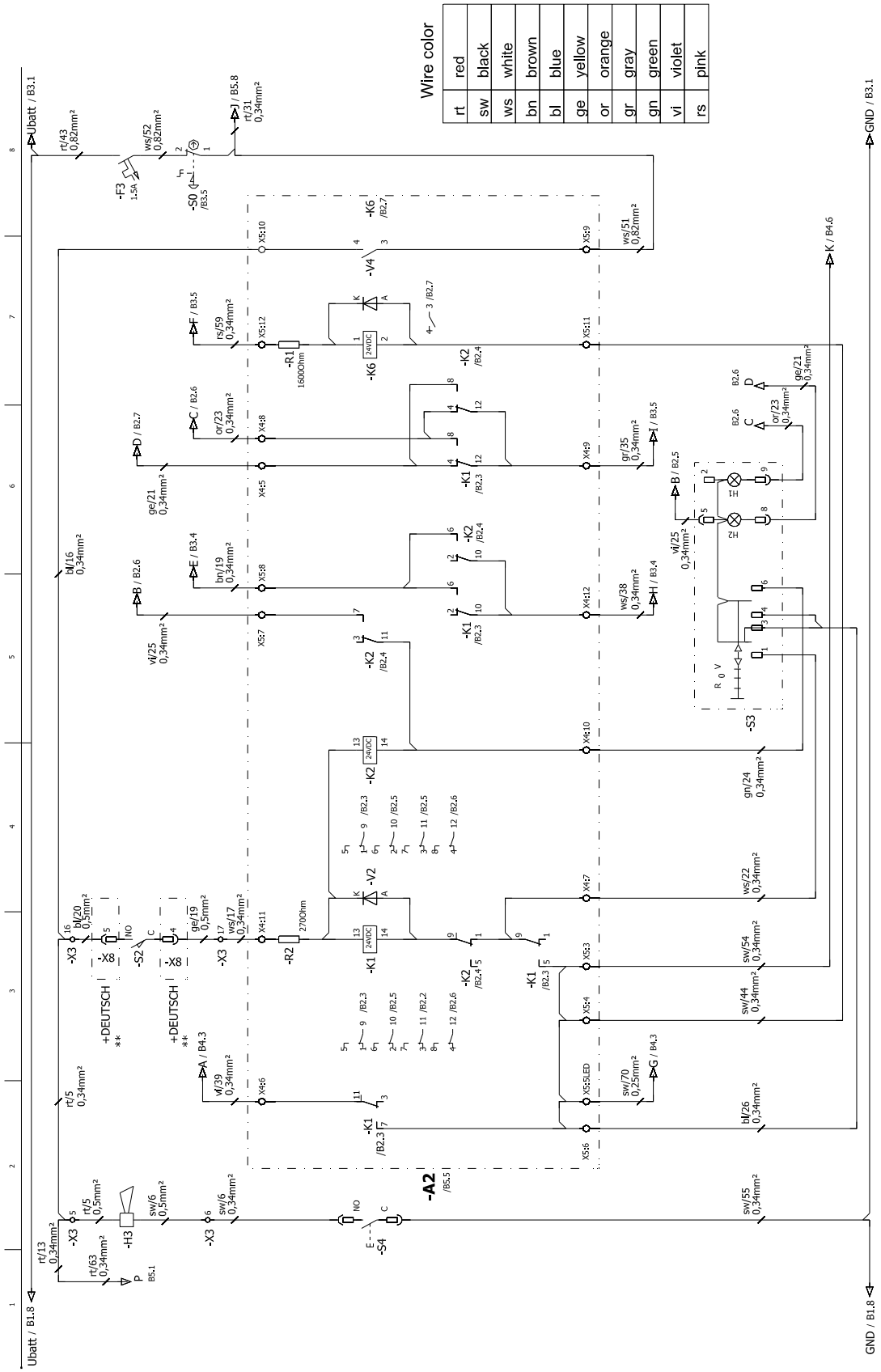


REF	PART NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86357910	1	HARNESS, PANEL 24” VAC		
2	86352310	1	HARNESS I-DRIVE GRD		
3	86354380	1	HARNESS, ROTARY SWITCH		

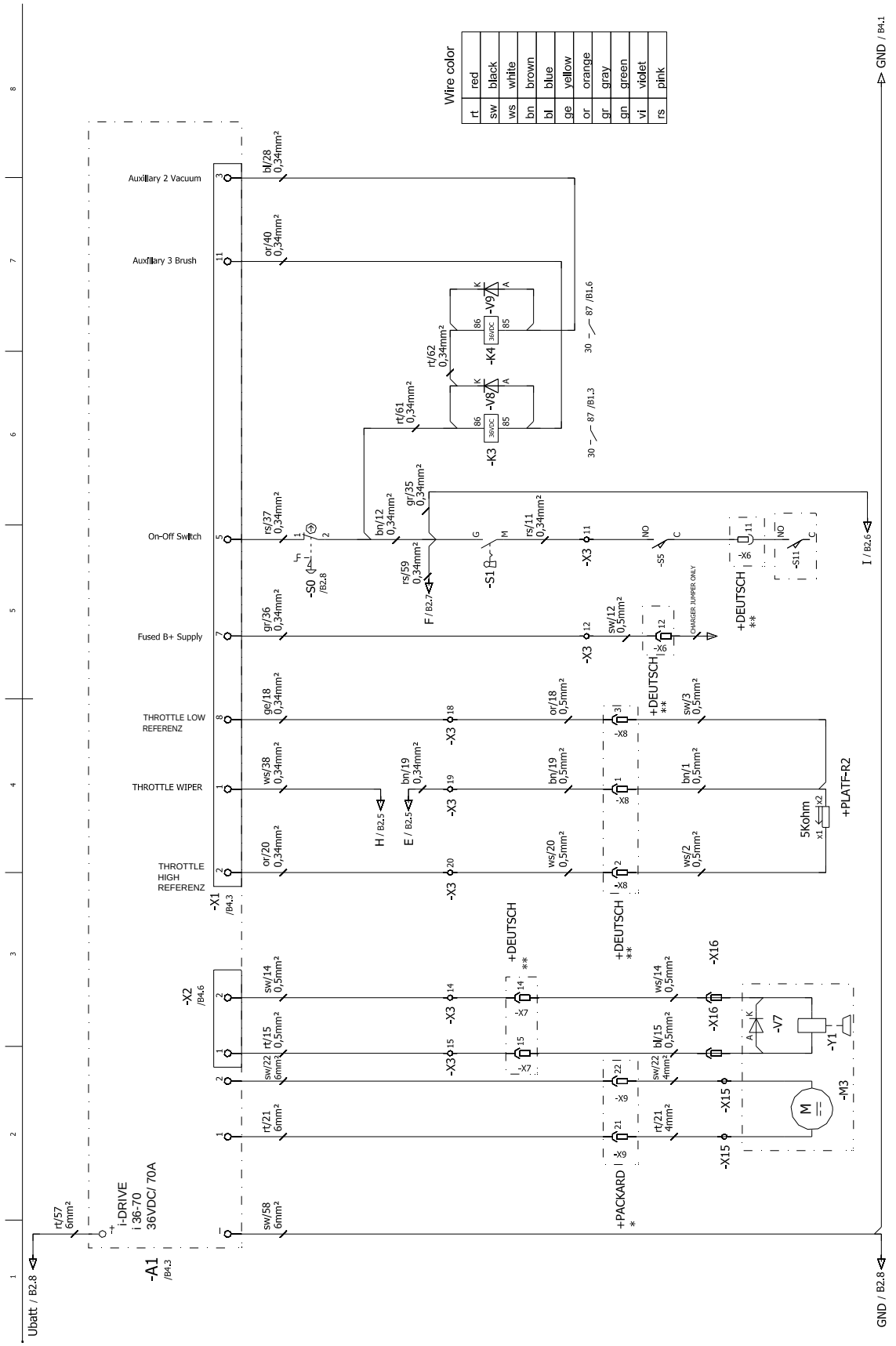
REF	DESCRIPTION
A1	DRIVE CONTROL
A2	RELAY BOARD
A3	SOL/VAC CONTROL
F1	CIRCUIT BREAKER-BRUSH
F2	CIRCUIT BREAKER-VACUUM MOTOR
F3	CIRCUIT BREAKER-DRIVE CONTROL
F4	FUSE-SIDE BROOM
G1-G3	BATTERY 12V/70Ah
H1	SIGNAL LAMPS REVERSE DIRECTION
H2	SIGNAL LAMPS DIRECTION FORWARD
H3	HORN
H4	LED-BATT.
H5	LED
K1	RELAYS-REVERSE DIRECTION
K2	RELAYS DIRECTION FORWARD
K3	RELAYS BRUSH MOTOR
K4	RELAYS VACUUM MOTOR
K5	RELAYS ACTUATOR
K6	RELAYS MAIN
M1	BRUSH MOTOR
M2	VACUUM MOTOR
M3	TRACTION MOTOR
M4	LINEAR ACTUATOR MOTOR BRUSH/SQUEEGEE
M5	SIDE BROOM
S0	EMERGENCY SWITCH
S1	KEYSWITCH
S2	MICROSWITCH-PLATFORM
S3	BUTTOM REVERSE FORWARD
S4	HORN BUTTON
S5	MICROSWITCH-COVER
S6	MIRCOSWITCH-VACUUM
S7	MICROSWITCH-BRUSH
S8	PROGRAM SWITCH
S9	MICROSWITCH-MID
S10	MIRCROSWITCH-LOWER
S11	CHARGER
S12	BAG PRESENT
S13	FULL BAG SWITCH
S-UP-SDOWN	MICROSWITCH
P1	HOURS METER
V1-V2-V3-V4-V5-V6-V7-V8-V9	DIODE
V-UP & V-DOWN	DIODE-MOTOR M4
X3	TERMINAL BLOCK
X12	TERMINAL BLOCK
X6/X7/X8/X11/X15	DEUTSCH CONNECTOR
X9/X10/X13/X14	PACKARD CONNECTOR
X16	FASTON TERMINAL
X17	RING TERMINAL
Y1	BRAKE
Y2	ELECTOVALVE WATER


Ubatt / B2.1
GND / B2.1
Wire color
rt red
sw black
ws white
bn brown
bl blue
ge yellow
or orange
gr gray
gn green
vi violet
rs pink
-V6
-K4
/B3.7
-V5
-K3
/B3.6
-F2
18A
-F1
18A
-F4
3A
-P1
-M1
-M2
-M5
-X10
-X13
-X14
-X15
+PACKARD
+DEUTSCH
-G1
12V/70Ah
-G2
12V/70Ah
-G3
12V/70Ah
rt/43 0,82mm²
rt/46 1,5mm²
ws/23 1,5mm²
sw/24 1,5mm²
ws/56 0,82mm²
sw/53 0,34mm²
rt/60 1,5mm²
rt/57 6mm²
rt/45 3,3mm²
rt/25 2,5mm²
ws 1,3mm²
sw 2,0mm²
rt 2,0mm²
sw/3 1,3mm²
sw 5,3mm²
rt 5,3mm²
sw 1,3mm²
sw/26 2,0mm²
rt/27 10mm²
sw/28 10mm²

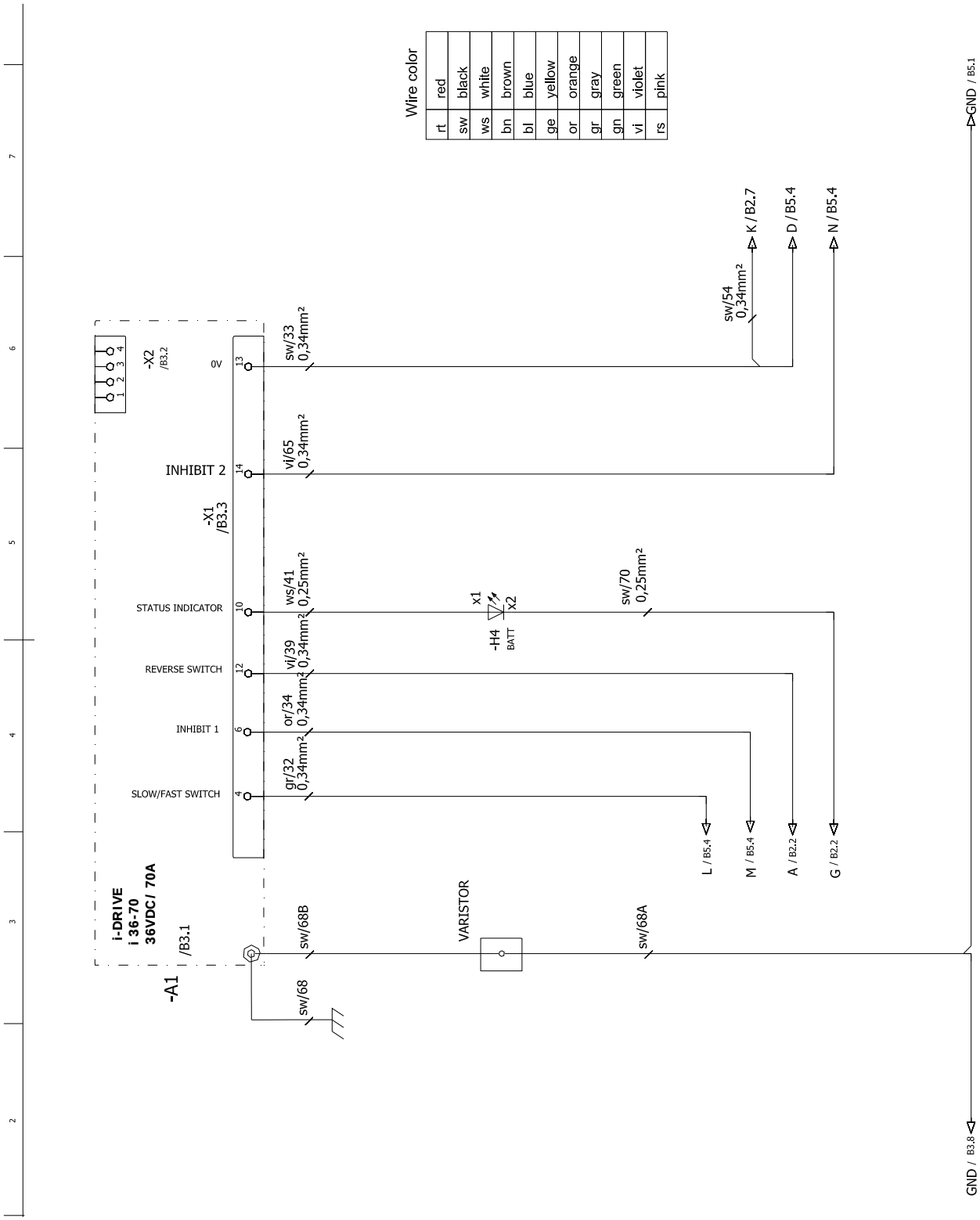
REF	DESCRIPTION
A1	DRIVE CONTROL
A2	RELAY BOARD
A3	SOL/VAC CONTROL
F1	CIRCUIT BREAKER-BRUSH
F2	CIRCUIT BREAKER-VACUUM MOTOR
F3	CIRCUIT BREAKER-DRIVE CONTROL
F4	FUSE-SIDE BROOM
G1-G3	BATTERY 12V/70Ah
H1	SIGNAL LAMPS REVERSE DIRECTION
H2	SIGNAL LAMPS DIRECTION FORWARD
H3	HORN
H4	LED-BATT.
H5	LED
K1	RELAYS-REVERSE DIRECTION
K2	RELAYS DIRECTION FORWARD
K3	RELAYS BRUSH MOTOR
K4	RELAYS VACUUM MOTOR
K5	RELAYS ACTUATOR
K6	RELAYS MAIN
M1	BRUSH MOTOR
M2	VACUUM MOTOR
M3	TRACTION MOTOR
M4	LINEAR ACTUATOR MOTOR BRUSH/SQUEEGEE
M5	SIDE BROOM
S0	EMERGENCY SWITCH
S1	KEYSWITCH
S2	MICROSWITCH-PLATFORM
S3	BUTTOM REVERSE FORWARD
S4	HORN BUTTON
S5	MICROSWITCH-COVER
S6	MIRCOSWITCH-VACUUM
S7	MICROSWITCH-BRUSH
S8	PROGRAM SWITCH
S9	MICROSWITCH-MID
S10	MIRCROSWITCH-LOWER
S11	CHARGER
S12	BAG PRESENT
S13	FULL BAG SWITCH
S-UP-SDOWN	MICROSWITCH
P1	HOURS METER
V1-V2-V3-V4-V5-V6-V7-V8-V9	DIODE
V-UP & V-DOWN	DIODE-MOTOR M4
X3	TERMINAL BLOCK
X12	TERMINAL BLOCK
X6/X7/X8/X11/X15	DEUTSCH CONNECTOR
X9/X10/X13/X14	PACKARD CONNECTOR
X16	FASTON TERMINAL
X17	RING TERMINAL
Y1	BRAKE
Y2	ELECTOVALVE WATER


Wire color
rt red
sw black
ws white
bn brown
bl blue
ge yellow
or orange
gr gray
gn green
vi violet
rs pink
Ubatt / B1.1
Ubatt / B1.8
GND / B3.1
GND / B1.8
-A2
-F3
-S0
-S1
-S2
-S3
-S4
-H3
-R1
-R2
-V2
-V4
-K1
-K2
-K6
-X3
-X8
+DEUTSCH
-A1 / B4.3
-B / B2.5
-C / B2.6
-D / B2.7
-E / B3.4
-F / B3.5
-G / B4.3
-J / B5.8
-K / B4.6

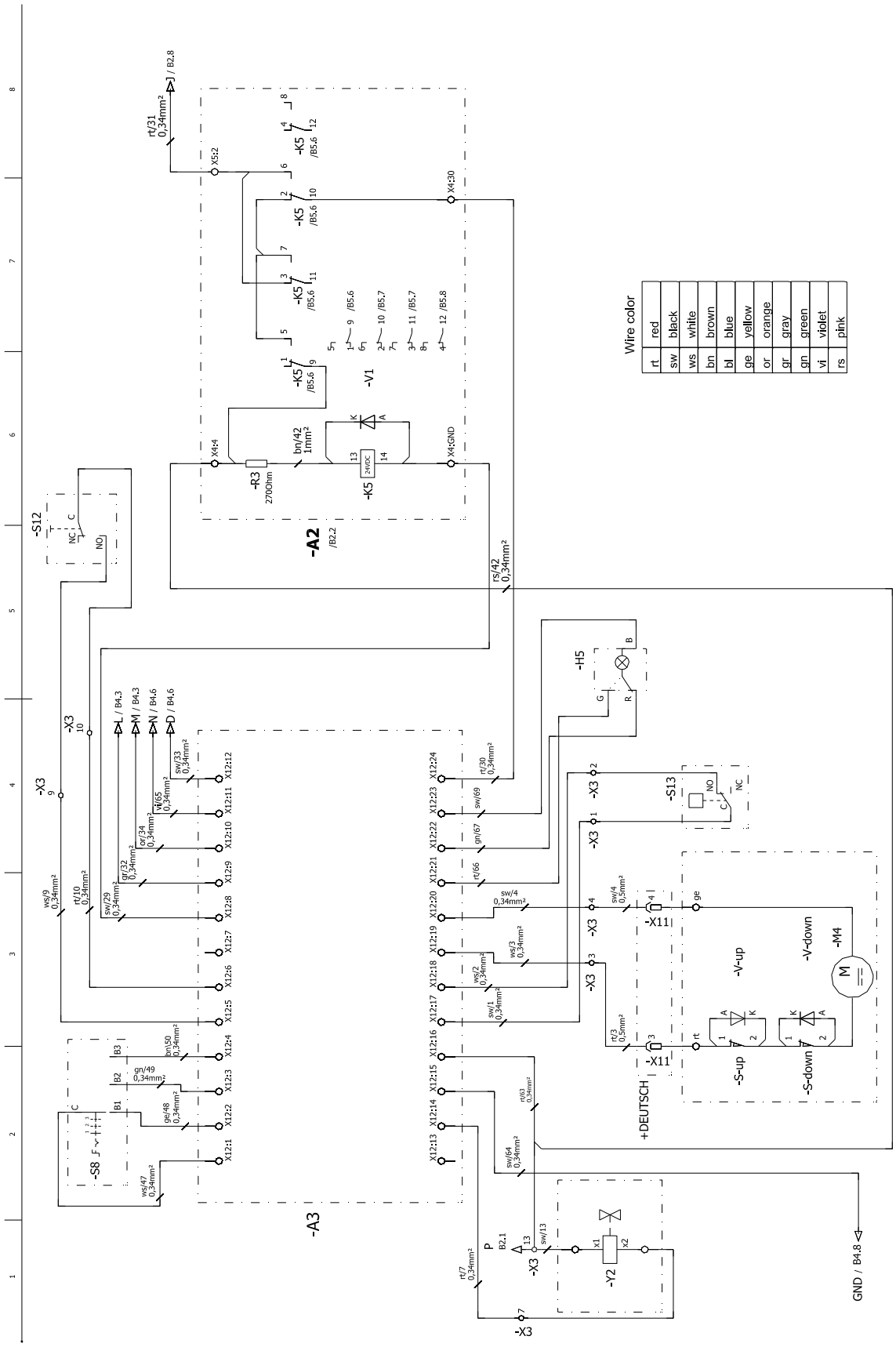
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F3	CIRCUIT BREAKER-DRIVE CONTROL
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H1	SIGNAL LAMPS REVERSE DIRECTION
H2	SIGNAL LAMPS DIRECTION FORWARD
H3	HORN
H4	LED-BATT.
H5	LED
K1	RELAYS-REVERSE DIRECTION
K2	RELAYS DIRECTION FORWARD
K3	RELAYS BRUSH MOTOR
K4	RELAYS VACUUM MOTOR
K5	RELAYS ACTUATOR
K6	RELAYS MAIN
M1	BRUSH MOTOR
M2	VACUUM MOTOR
M3	TRACTION MOTOR
M4	LINEAR ACTUATOR MOTOR BRUSH/SQUEEGEE
M5	SIDE BROOM
S0	EMERGENCY SWITCH
S1	KEYSWITCH
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S3	BUTTOM REVERSE FORWARD
S4	HORN BUTTON
S5	MICROSWITCH-COVER
S6	MIRCOSWITCH-VACUUM
S7	MICROSWITCH-BRUSH
S8	PROGRAM SWITCH
S9	MICROSWITCH-MID
S10	MIRCROSWITCH-LOWER
S11	CHARGER
S12	BAG PRESENT
S13	FULL BAG SWITCH
S-UP-SDOWN	MICROSWITCH
P1	HOURS METER
V1-V2-V3-V4-V5-V6-V7-V8-V9	DIODE
V-UP & V-DOWN	DIODE-MOTOR M4
X3	TERMINAL BLOCK
X12	TERMINAL BLOCK
X6/X7/X8/X11/X15	DEUTSCH CONNECTOR
X9/X10/X13/X14	PACKARD CONNECTOR
X16	FASTON TERMINAL
X17	RING TERMINAL
Y1	BRAKE
Y2	ELECTOVALVE WATER


Wire color
rt red
sw black
ws white
bn brown
bl blue
ge yellow
or orange
gr gray
gn green
vi violet
rs pink
Auxiliary 2 Vacuum
Auxiliary 3 Brush
On-Off Switch
Fused B+ Supply
THROTTLE LOW REFERENZ
THROTTLE WIPER
THROTTLE HIGH REFERENZ
-A1 /B4.3
i-DRIVE i 36-70 36VDC/ 70A
-X1 /B4.3
-X2 /B4.6
-S0 /B2.8
-S1
-S5
-S11
-K3
-K4
-V7
-V8
-V9
-Y1
-M3
+DEUTSCH
+PACKARD
+PLATF-R2
5Kohm
CHARGER JUMPER ONLY
Ubatt / B2.8
GND / B2.8
GND / B4.1
I / B2.6
H / B2.5
E / B2.5
F / B2.7

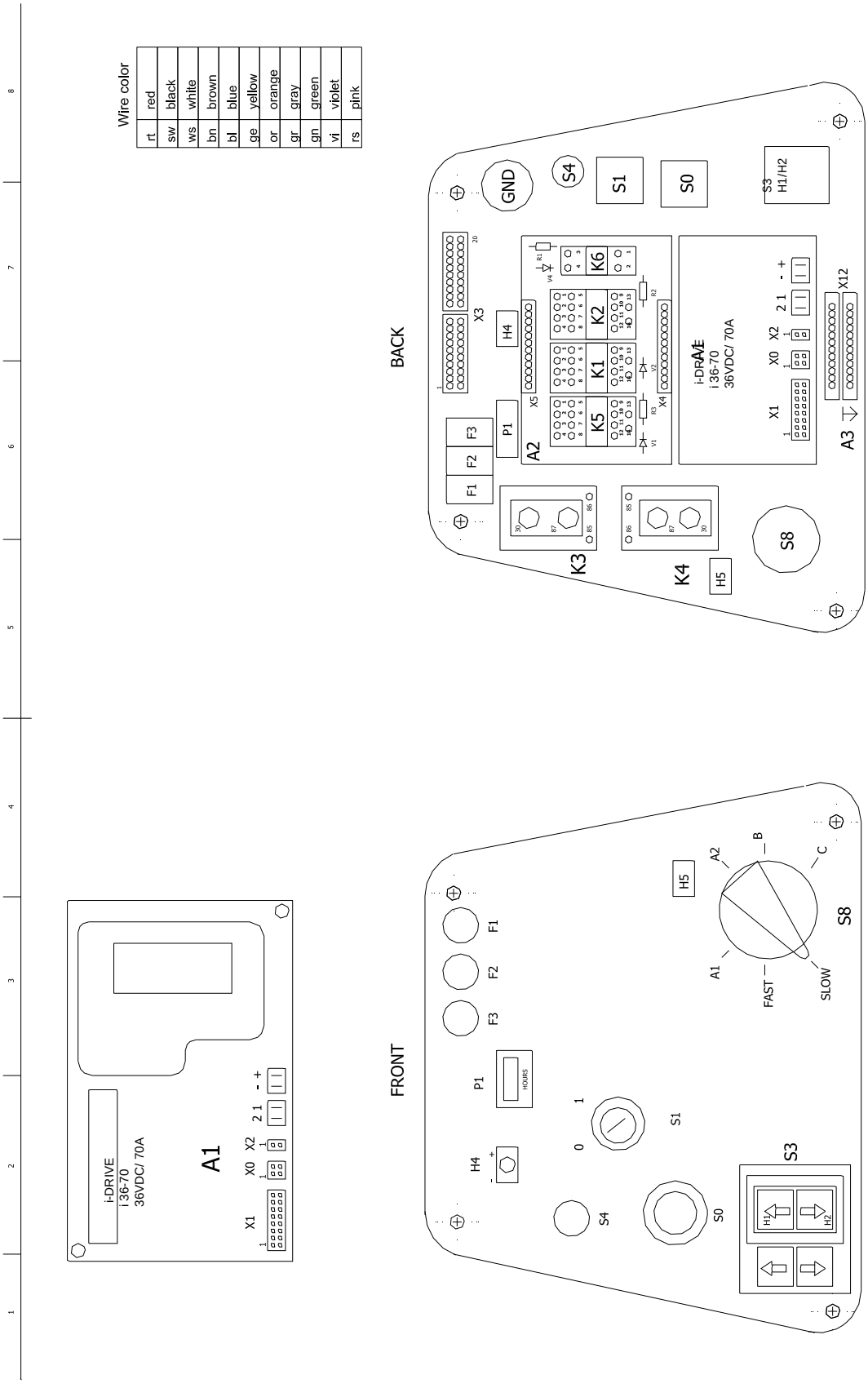
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H1	SIGNAL LAMPS REVERSE DIRECTION
H2	SIGNAL LAMPS DIRECTION FORWARD
H3	HORN
H4	LED-BATT.
H5	LED
K1	RELAYS-REVERSE DIRECTION
K2	RELAYS DIRECTION FORWARD
K3	RELAYS BRUSH MOTOR
K4	RELAYS VACUUM MOTOR
K5	RELAYS ACTUATOR
K6	RELAYS MAIN
M1	BRUSH MOTOR
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S9	MICROSWITCH-MID
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P1	HOURS METER
V1-V2-V3-V4-V5-V6-V7-V8-V9	DIODE
V-UP & V-DOWN	DIODE-MOTOR M4
X3	TERMINAL BLOCK
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X6/X7/X8/X11/X15	DEUTSCH CONNECTOR
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Y1	BRAKE
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Wire color
rt red
sw black
ws white
bn brown
bl blue
ge yellow
or orange
gr gray
gn green
vi violet
rs pink
i-DRIVE
i 36-70
36VDC/ 70A
-A1
/B3.1
-X2
/B3.2
1 2 3 4
-X1
/B3.3
0V
INHIBIT 2
STATUS INDICATOR
REVERSE SWITCH
INHIBIT 1
SLOW/FAST SWITCH
13
14
10
12
6
4
sw/33 0,34mm²
vi/65 0,34mm²
ws/41 0,25mm²
vi/39 0,34mm²
or/34 0,34mm²
gr/32 0,34mm²
sw/54 0,34mm²
sw/70 0,25mm²
sw/68B
sw/68
sw/68A
VARISTOR
-H4
BATT
x1
x2
K / B2.7
D / B5.4
N / B5.4
L / B5.4
M / B5.4
A / B2.2
G / B2.2
GND / B5.1
GND / B3.8

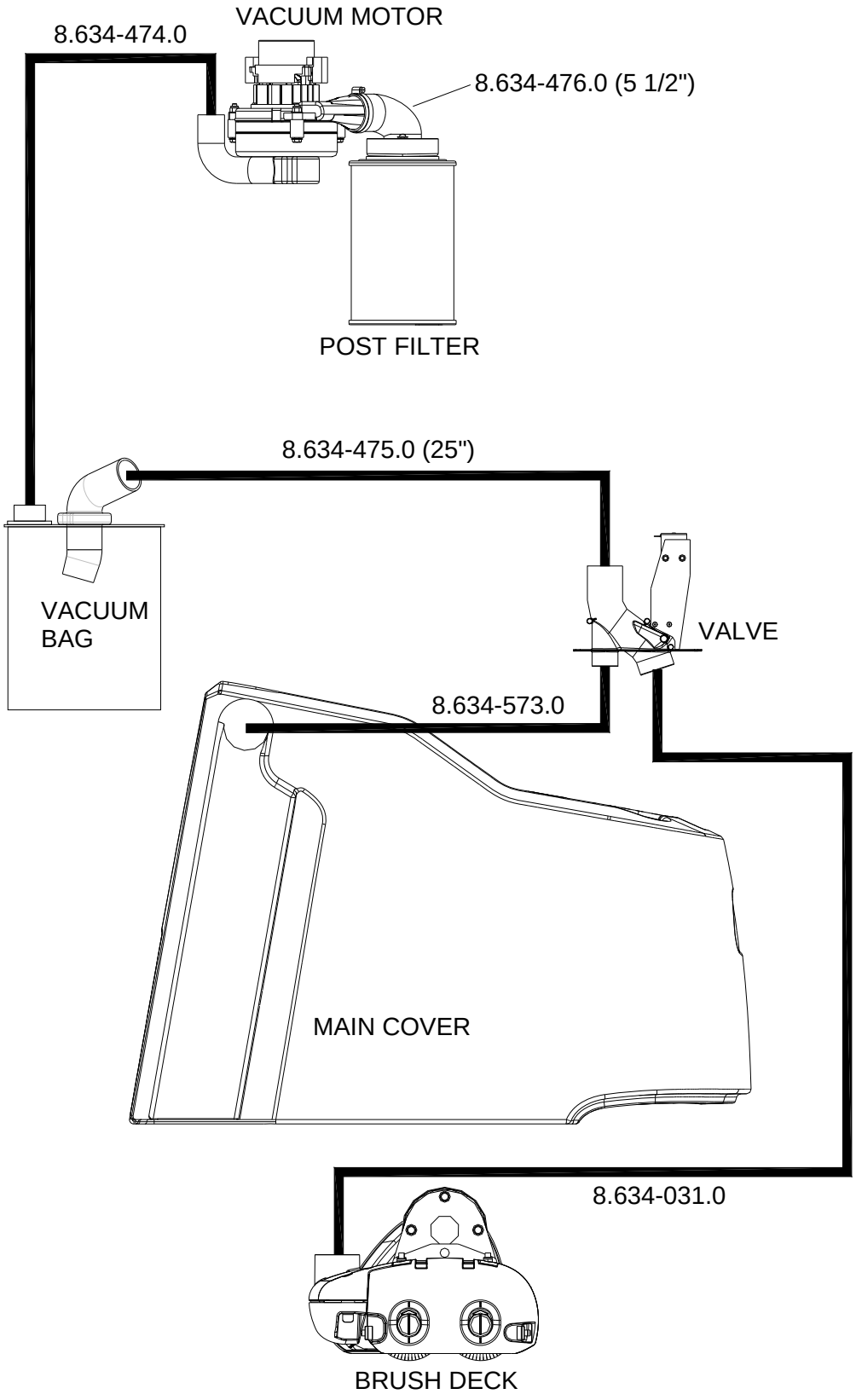
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X17	RING TERMINAL
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-A2
/B2.2
-A3
-S12
-S8
-S13
-H5
-V1
-R3
270Ohm
-K5
-X3
-X11
-V-up
-V-down
-S-up
-S-down
-M4
-Y2
+DEUTSCH
Wire color
rt red
sw black
ws white
bn brown
bl blue
ge yellow
or orange
gr gray
gn green
vi violet
rs pink

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Wire color
rt red
sw black
ws white
bn brown
bl blue
ge yellow
or orange
gr gray
gn green
vi violet
rs pink
BACK
FRONT
A1
i-DRIVE
i 36-70
36VDC/ 70A
X0 X2
X1
2 1 - +
A2
A3
K1
K2
K3
K4
K5
K6
F1
F2
F3
P1
H4
H5
S0
S1
S3
S4
S8
GND
H1/H2
X3
X4
X5
X12
FAST
SLOW
HOURS

REF	DESCRIPTION
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VACUUM MOTOR
8.634-474.0
8.634-476.0 (5 1/2")
POST FILTER
8.634-475.0 (25")
VACUUM
BAG
VALVE
8.634-573.0
MAIN COVER
8.634-031.0
BRUSH DECK

REF. NO.	MODEL: SERIAL #
1	10125760001095, 10125770001746
2	10125760001043, 10125770001674
3	10125760001305, 10125770002034
4	10125760001328, 10125770002087