



COLUMBIA

Parts Manual

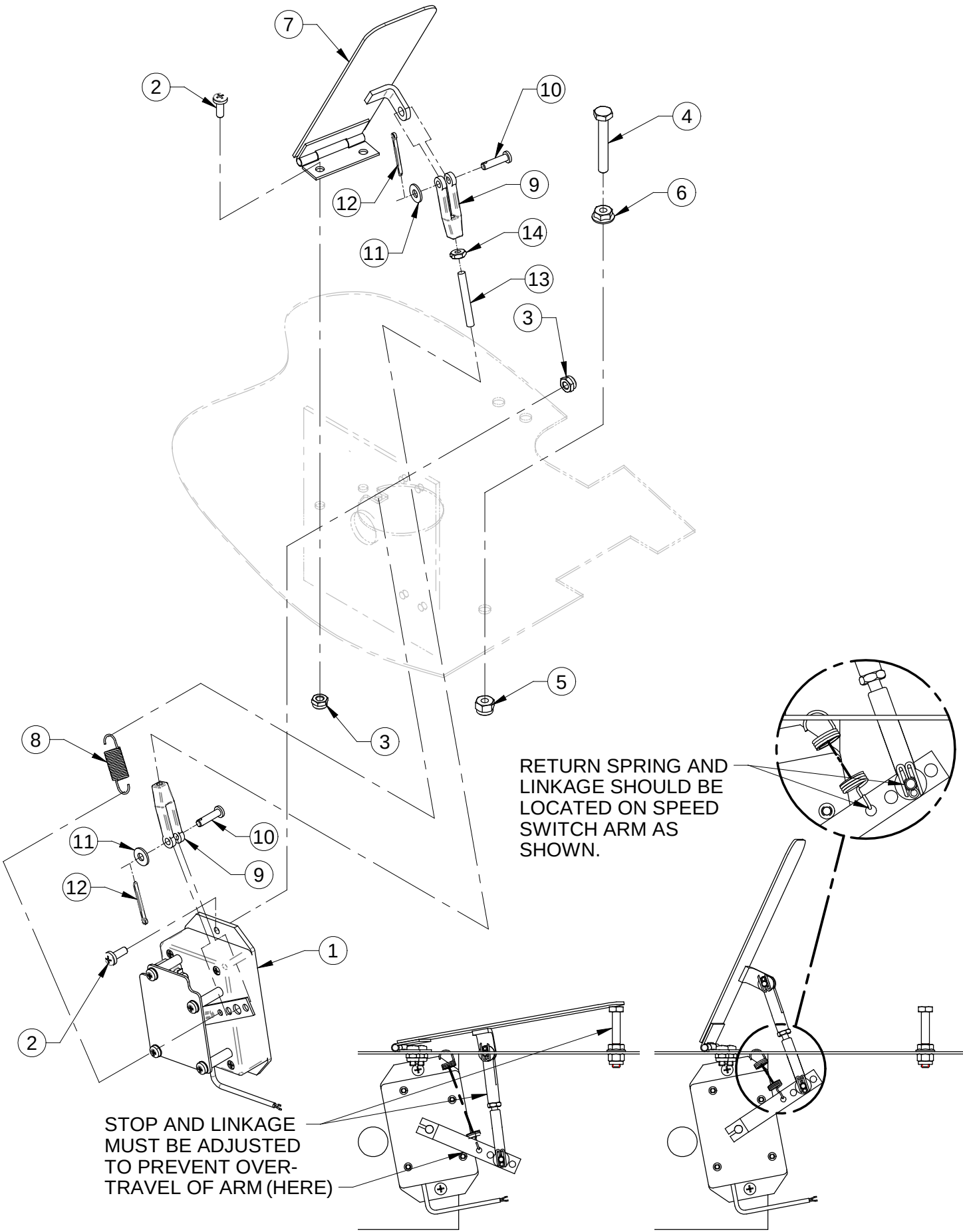
Burden Carrier (BC4)

Parts Manual

Section 1

Accelerator and Brake Linkage

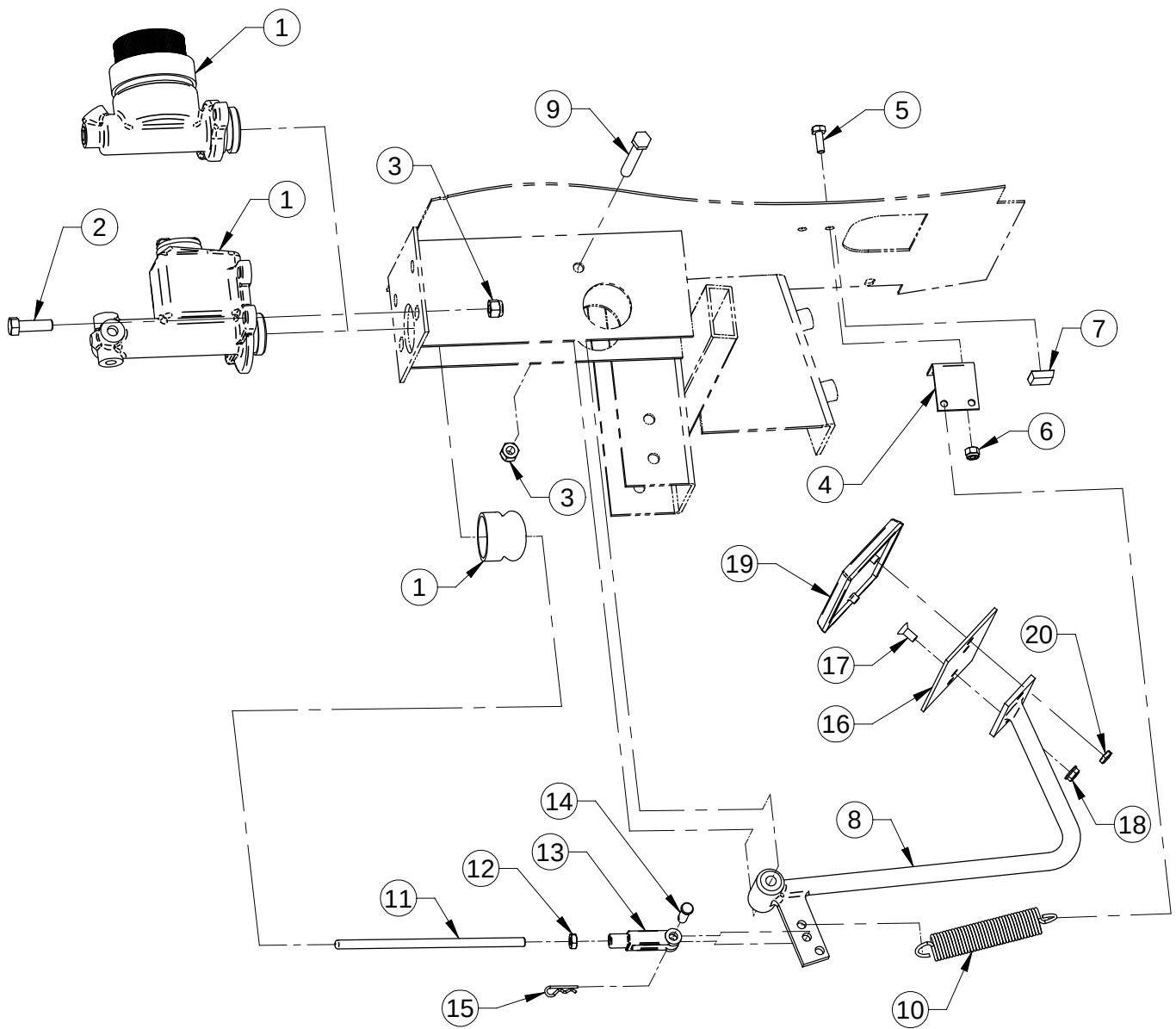
BURDEN CARRIER ACCELERATOR LINKAGE



BURDEN CARRIER ACCELERATOR LINKAGE

ITEM	PART #	DESCRIPTION	QTY	SI PART #
1	70061-00B	SPEED SWITCH ASSEMBLY	1	719461
2	2592	SCREW, 10-24 X 1/2 PHILLIPS PHM	4	719566
3	7624	NUT 10-24 GR A NM MACH NYLON LOCK	4	719870
4	3454-BS	SCREW, 1/4-20 X 1-3/4 HHCS GRADE 5	1	719623
5	7686	NUT 1/4-20 GR A NE NYLON INSERT LCK	1	719879
6	7724-B	NUT 1/4-20 GR A SERRATED FLNG LOCK	1	719887
7	40301-00	PEDAL ASSY, ACCELERATOR	1	709748
8	11834	SPRING, EXTENSION, 7/16 X 1-1/2	1	709746
9	42456-86	CLEVIS	2	709045
10	502	CLEVIS PIN - 3/16 X 3/4" LG	2	719718
11	6716	WASHER, #10, SAE, FW, HC BLACK	2	719812
12	533	COTTER PIN 5/64 X 1 18-8 STAINLESS	2	719743
13	4003	STUD, FULLY THREADED #10-32 X 1 1/2"	1	719646
14	7638	NUT, JAM, #10-32 HEX	1	719872

BURDEN CARRIER BRAKE PEDAL ASSEMBLY

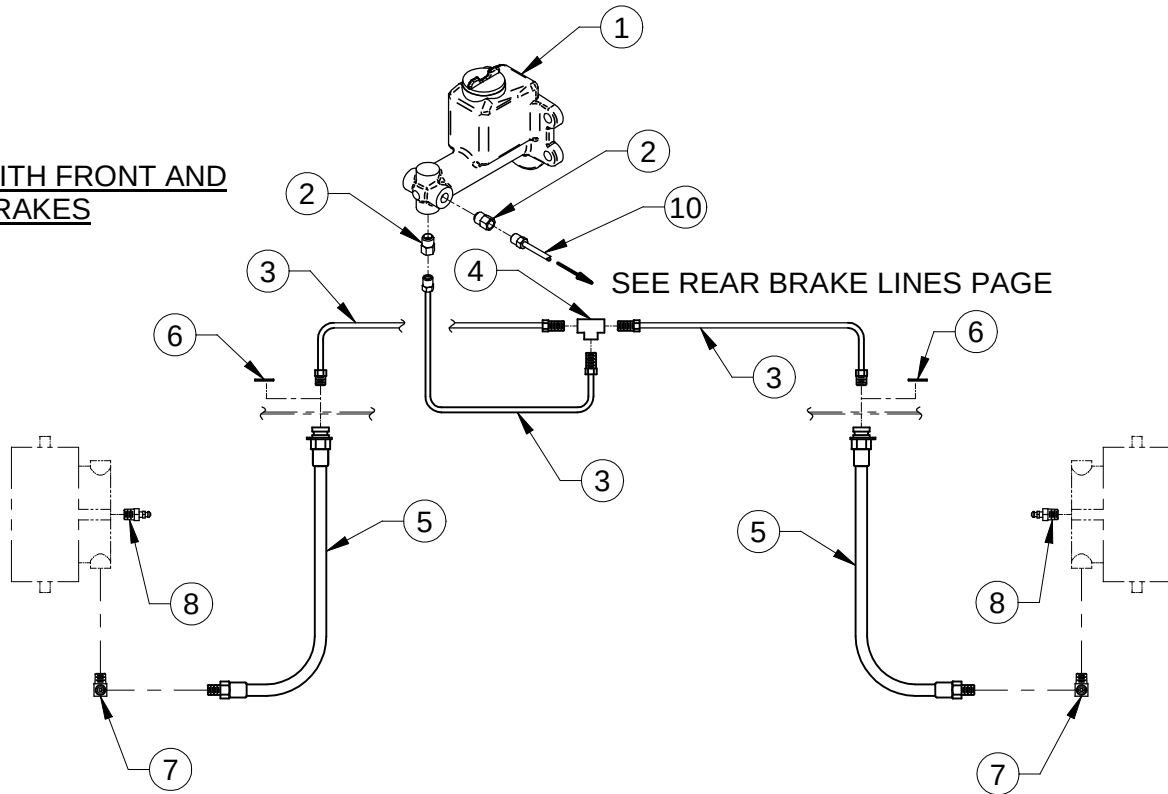


BURDEN CARRIER BRAKE PEDAL ASSEMBLY

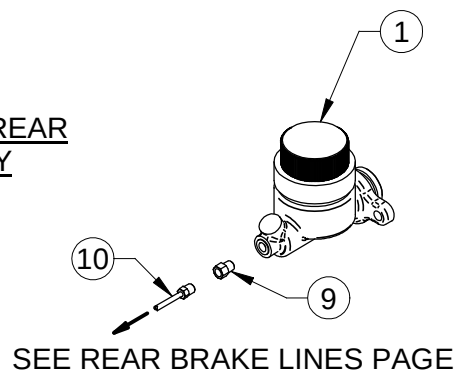
ITEM	CPC PART #	DESCRIPTION	QTY	SI PART #
1	41207-00	MASTER CYLINDER, BC, 4 WHEEL BRAKES, USED ON BOTH DRUM & DISK BRAKE UNITS	1	709794
	41203-00	MASTER CYLINDER, BC 2 WHEEL BRAKES MASTER CYLINDERS FURNISHED WITH BOOTS	1	709780
2	4716-W	SCREW, 3/8-16 X 1 1/4 HEX HEAD CAP, G5 QTY 2 REQUIRED FOR UNITS HAVING MASTER CYLINDER 41203-00	4	719694
3	7778	NUT, 3/8-16 NYLON INSERT LOCK QTY 3 REQUIRED FOR UNITS HAVING MASTER CYLINDER 41203-00	5	719902
4	41232-00	BRAKE RETURN SPRING MOUNTNG BRACKET	1	510372
5	3787-B	SCREW, 1/4-20 X 3/4 HEX HEAD CAP, G5	2	719636
6	7686	NUT 1/4-20 NYLON INSERT LOCK, GR A	2	719879
7	52330-86	BUMPER, ADHESIVE BACKED (3M#SJ5023)	1	719738
8	41229-00	BRAKE LEVER ASSEMBLY	1	306125
9	2828-W	SCREW, 3/8-16 X 3 HEX HEAD CAP, G 5	1	719591
10	11833	SPRING, BRAKE RETURN, 3/4 X 5	1	709745
11	41230-00	MASTER CYLINDER PUSH ROD	1	510408
12	7744	NUT, 5/16-24 HEX JAM, G 2	1	719895
13	73059-96	CLEVIS #52 5/16-24 (ADJUSTABLE YOKE)	1	719852
14	494	CLEVIS PIN, Ø5/16 X 1	1	719709
15	500	HAIR PIN CLIP, #13	1	719716
16	41350-00	BRAKE PEDAL PAD MOUNTING PLATE	1	510381
17	2008	SCREW, 1/4-20 X 5/8, PHILLIPS FLAT HEAD	2	719145
18	7724-B	NUT, 1/4-20 SERRATED FLNG LOCK, GR A	2	719887
19	42407-00	PAD, BRAKE PEDAL, "STOP"	1	709048
20	8128	NUT, SELF-THREADING PALNUT (SR250)	2	719922

BURDEN CARRIER MASTER CYLINDERS, FRONT HYDRAULIC BRAKE LINES, & FITTINGS

UNITS WITH FRONT AND REAR BRAKES



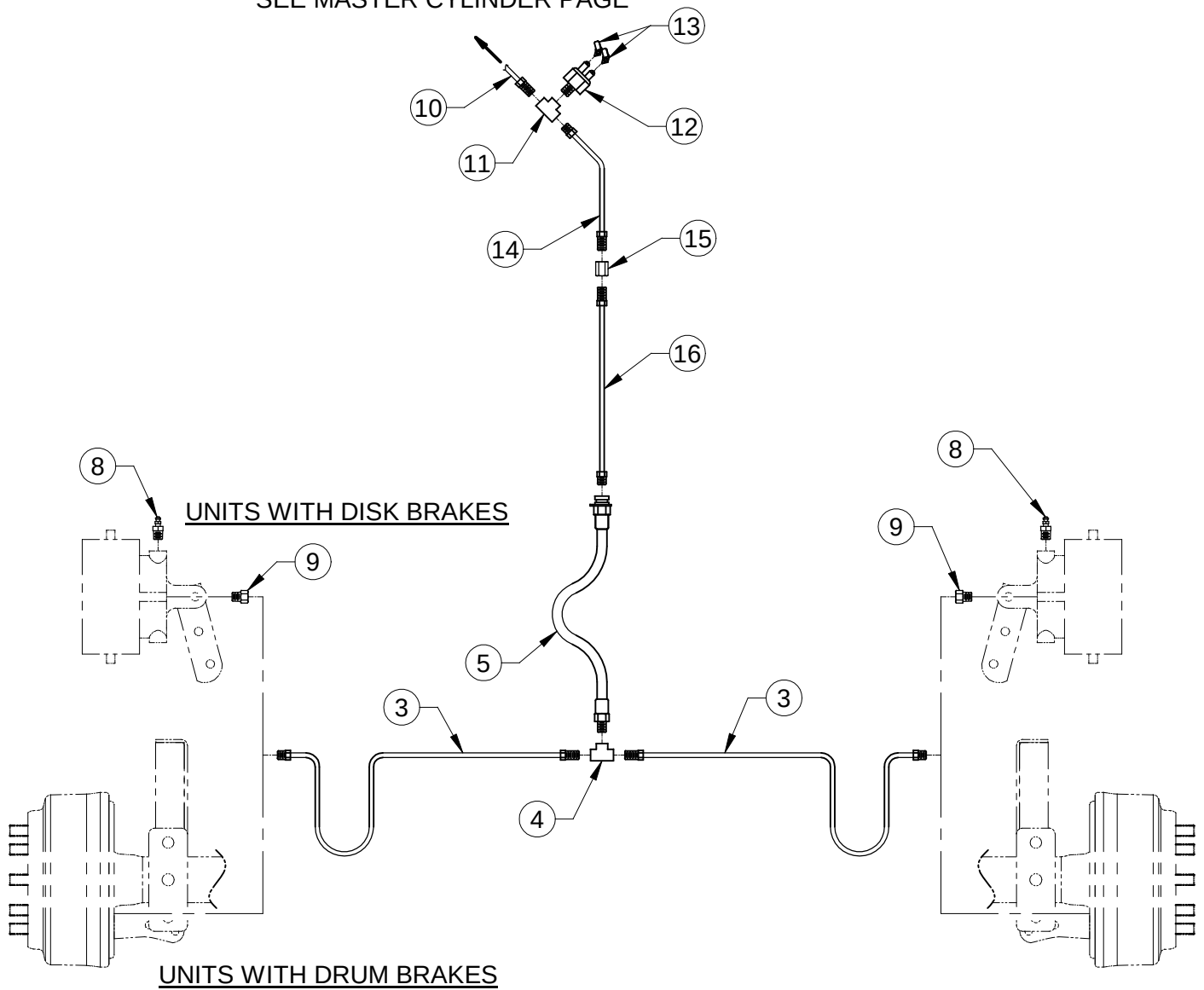
UNITS WITH REAR BRAKES ONLY



NOTE: NOT DRAWN TO SCALE

BURDEN CARRIER REAR HYDRAULIC BRAKE LINES & FITTINGS

SEE MASTER CYLINDER PAGE



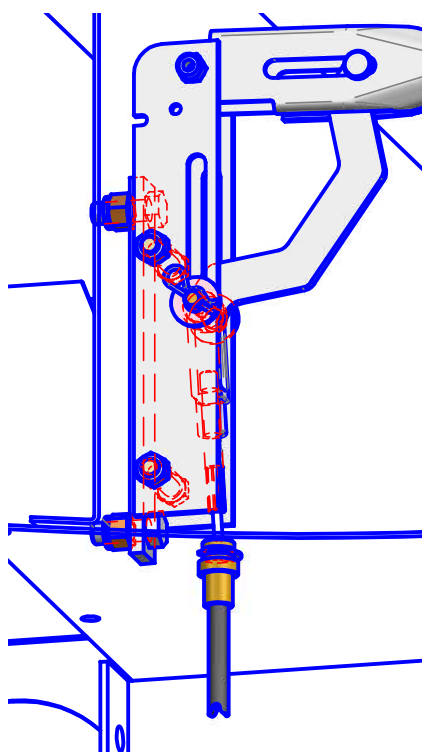
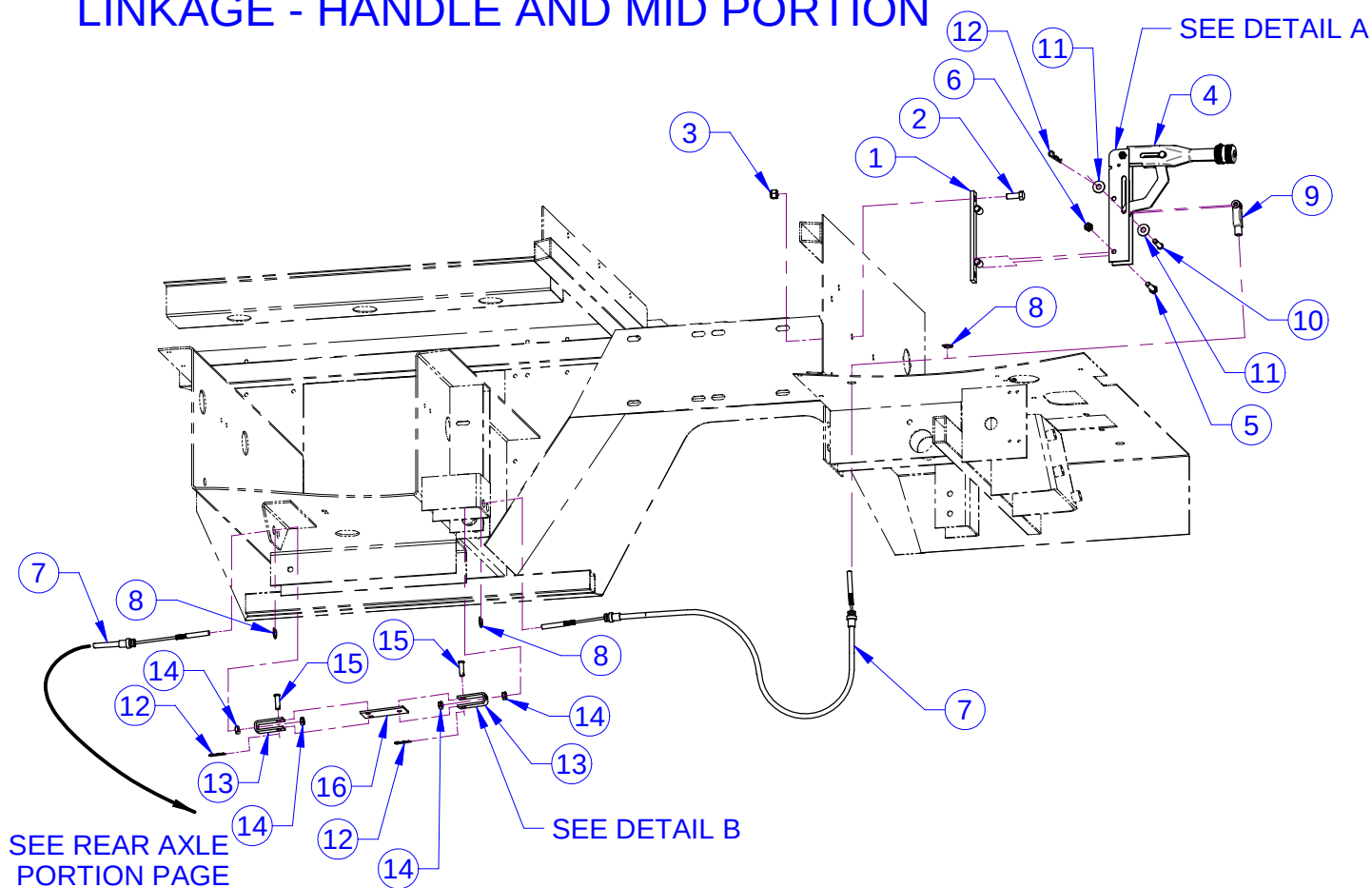
NOTE: NOT DRAWN TO SCALE

BURDEN CARRIER MASTER CYLINDERS, HYDRAULIC BRAKE LINES, & FITTINGS

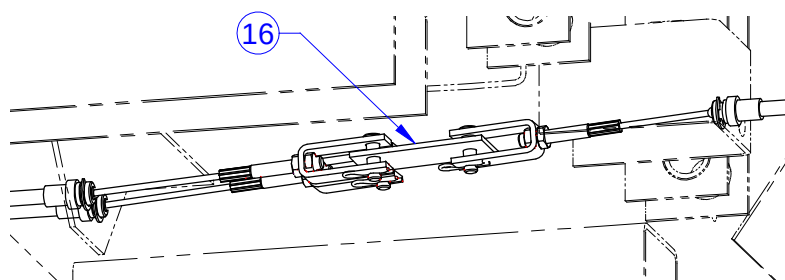
ITEM	CPC PART #	DESCRIPTION	QTY	SI PART #
1	41207-00	MASTER CYLINDER, BC, 4 WHEEL BRAKES	*	709794
	41203-00	MASTER CYLINDER, BC 2 WHEEL BRAKES	*	709780
2	41221-00	REDUCER, 1/4" MALE TO 3/16" FEMALE	*	709583
3	41222-00	BRAKE LINE, 3/16" X 20"	*	709358
4	41842-94	UNION TEE, 3/16" FEMALE	*	709377
5	41216-00	BRAKE HOSE, HYDRAULIC, FLEX, 18"	*	709430
6	11040	E-RING, .562 REINFORCED PHOS	*	719515
7	41275-00	ELBOW, 90° MALE	*	729907
8	41313-00	BLEEDER SCREW	*	719082
9	41224-00	ADAPTER, 1/8" PIPE MALE TO 3/16" FEMALE	*	709618
10	41219-00	BRAKE LINE, 3/16" X 12"	1	709607
11	69729-00	CONNECTOR, 3-WAY SWITCH	1	508959
12	41212-00	SWITCH, BRAKE LIGHT	1	709749
13	69708-00	TERMINAL, #10 STUD TO 1/4 MALE TAB	2	719825
14	41219-00	BRAKE LINE, 3/16" X 12" (REGULAR LENGTH BED VEHICLES ONLY)	*	709607
	41222-00	BRAKE LINE, 3/16" X 20" (EXTENDED LENGTH BED VEHICLES ONLY)	*	709358
15	41206-00	UNION, 3/16"	1	719657
16	41269-00	BRAKE LINE, 3/16" X 51" (REGULAR LENGTH BED VEHICLES ONLY)	*	709474
	41220-00	BRAKE LINE, 3/16" X 60" (EXTENDED LENGTH BED VEHICLES ONLY)	*	709727

*NOTE: QUANTITIES AS REQUIRED PER YOUR VEHICLE

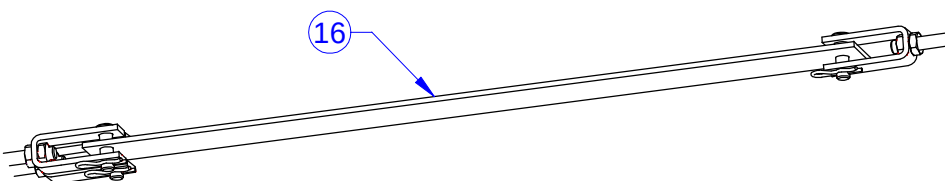
BURDEN CARRIER PARKING BRAKE LINKAGE - HANDLE AND MID PORTION



DETAIL A



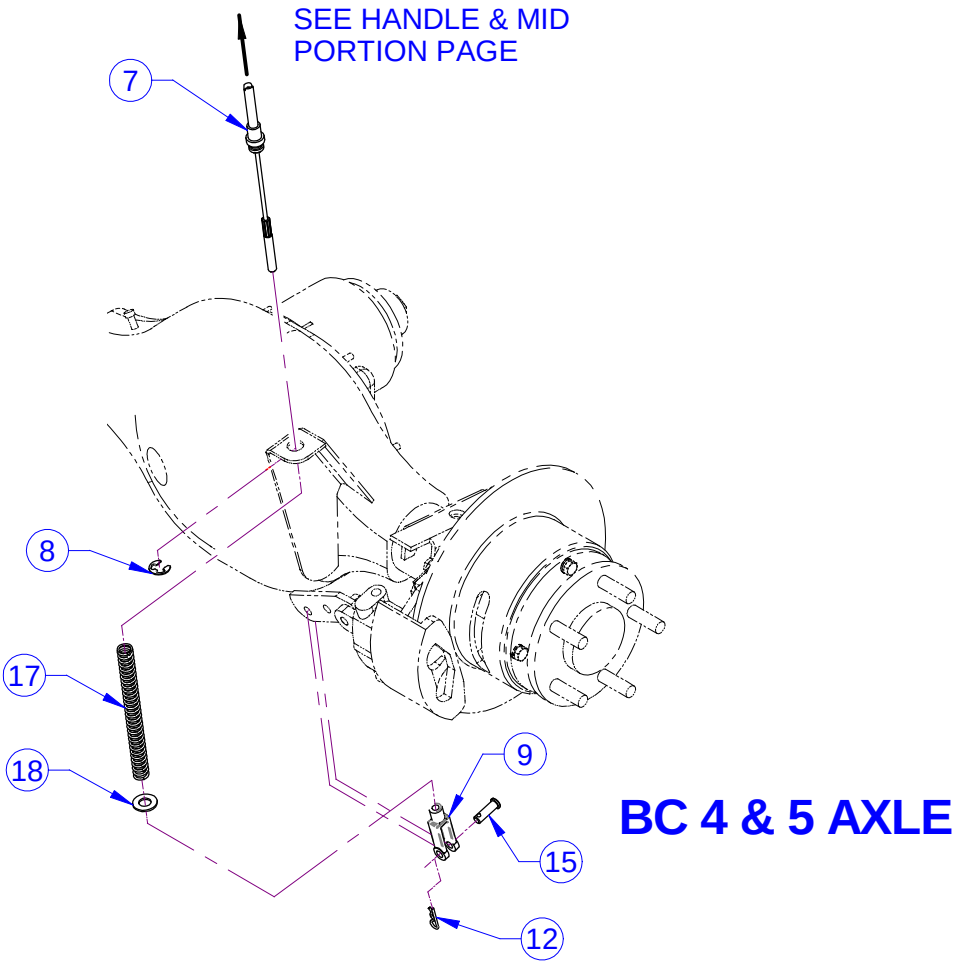
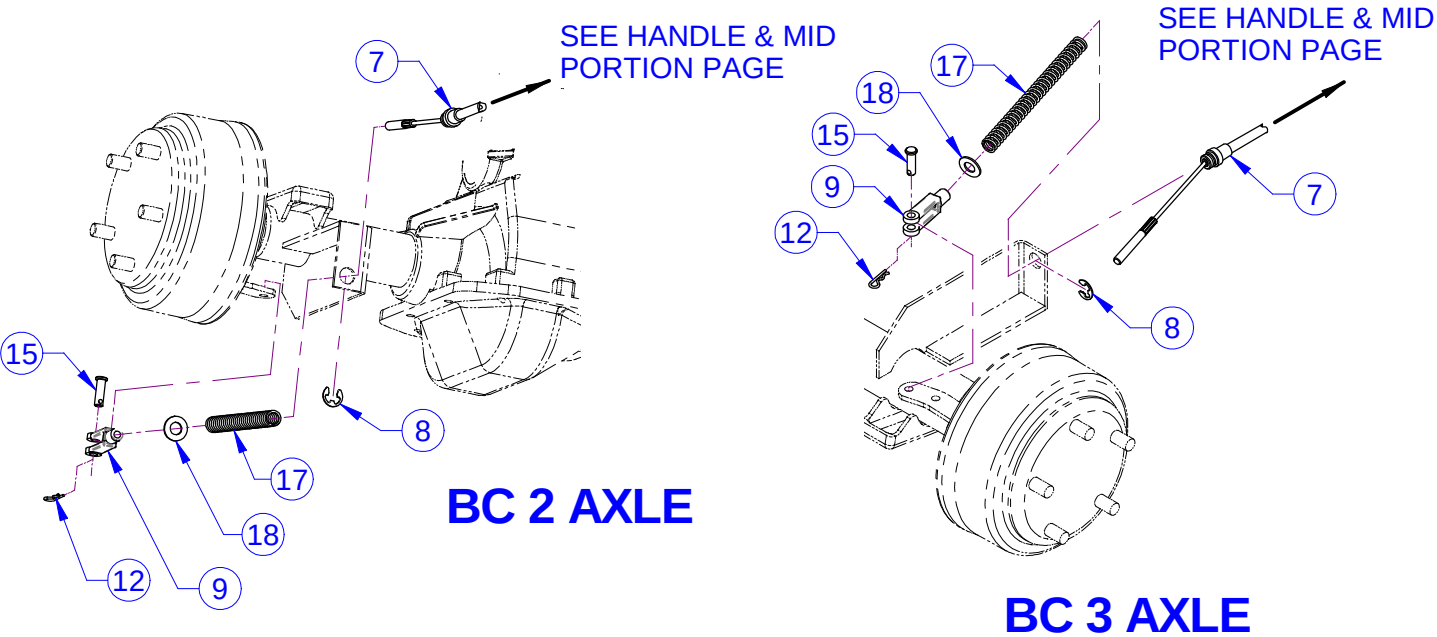
STANDARD BED



EXTENDED BED

DETAIL B

BURDEN CARRIER PARKING BRAKE
LINKAGE - REAR AXLE PORTION



BURDEN CARRIER PARKING BRAKE LINKAGE

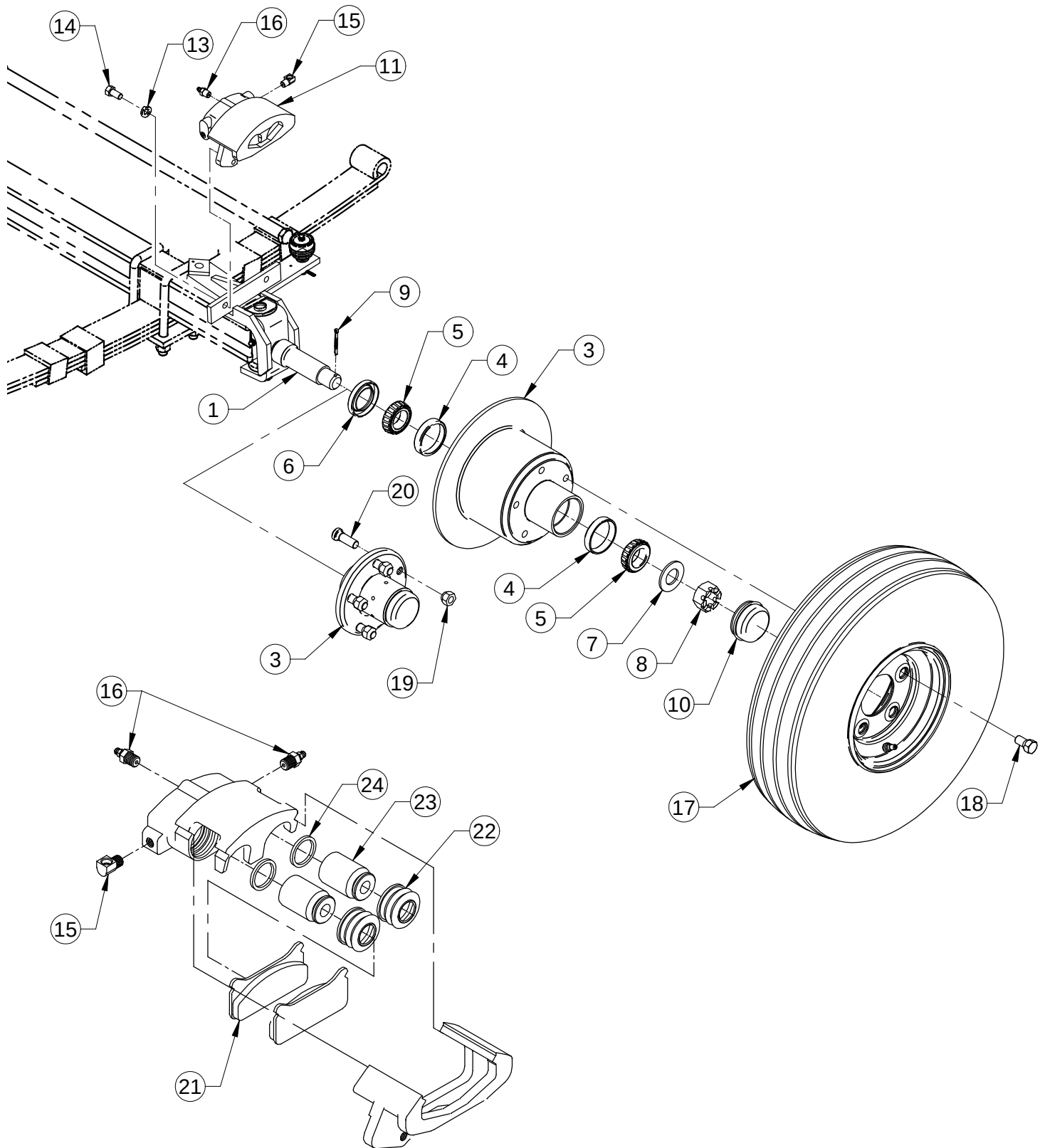
ITEM	CPC PART #	DESCRIPTION	QTY	SI PART #
1	41231-00	HAND BRAKE MOUNTING BRACKET	1	306105
2	2879-W	SCREW, 3/8-16 X 1, HHCS, GRD 5	2	719594
3	7778	NUT, 3/8-16, NYLOC	2	719902
4	41213-00	PARKING HAND BRAKE LEVER ASSEMBLY	1	709750
5	2818	SCREW, 5/16-18 X 1 1/2", HHCS	2	719589
6	7739	NUT, 5/16-18, NE, NYLOC, GR A	2	719892
7	41215-00	BRAKE CABLE	4	709375
8	41209-00	E-RING	4	709187
9	73059-96	CLEVIS #52, 5/16-24	1	719852
10	781130	CLEVIS PIN, Ø5/16" X 1 1/2"	1	781130
11	6350	WASHER, .375" I.D. X .875" O.D. X .0781"	2	708682
12	500	HAIR PIN CLIP, #13	4	719716
13	73065-00	CLEVIS, 535	3	509240
14	7744	NUT 5/16-24, HEX JAM, GR 2	6	719895
15	494	CLEVIS PIN, Ø5/16" X 1"	3	719709
16	41202-00	PARKING BRAKE EXTENSION, SHORT	1	510421
	41227-00	PARKING BRAKE EXTENSION, LONG		510375
17	11832	SPRING	2	709419
18	708153	WASHER, 7/16, SAE FLAT	2	708153

Parts Manual

Section 2

Steering and Front Suspension

BURDEN CARRIER WHEEL AND BRAKE ASSEMBLY (WITH TOL-O-MATIC BRAKES)



BURDEN CARRIER WHEEL AND BRAKE ASSEMBLY (WITH TOL-O-MATIC BRAKES)

ITEM	CPC PART #	DESCRIPTION	QTY	SI PART #
1	56864-00A	SPINDLE WLDMT, BC, LH - USED IN UNITS HAVING TOL-O-MATIC OR NO FRONT BRAKES	1	308224
2*	56863-00A	SPINDLE WLDMT, BC, RH - USED IN UNITS HAVING TOL-O-MATIC OR NO FRONT BRAKES	1	308225
3	41279-00	ROTOR, DISC BRAKE - FRONT (FURNISHED W/ ITEMS 4, 5, 6, 10, & 18) - USED IN UNITS HAVING TOL-O-MATIC FRONT BRAKES ONLY	2	709577
	33419-00	HUB ASSY KIT (FURNISHED W/ ITEMS 4, 5, 6, 10, & 19) - USED IN UNITS HAVING NO FRONT BRAKES ONLY	2	709440
4	9028	TAPERED ROLLER BEARING, CUP	4	709455
5	9087	BEARING, 16128 HUB	4	709632
6	12020	SEAL - 16128 HUB	2	729091
7	6038	WASHER, 1.00", SAE FLAT	2	707500
8	7510	NUT 1-14 GRADE 5, HEX, CASTLE	2	719859
9	561	PIN, 1/8" X 1-1/2", COTTER	2	707841
10	33438-00	DUST CAP, 12842 HUB	2	709831
11	41267-00	BRAKE CALIPER, LH, FRONT, TOL-O-MATIC (FURNISHED W/ ITEMS 15 & 16)	1	709162
12*	41268-00	BRAKE CALIPER, RH, FRONT, TOL-O-MATIC (FURNISHED W/ ITEMS 15 & 16)	1	709148
13	7038-B	WASHER - 3/8" REG SPRING, LOCK	4	719836
14	4713-W	SCREW, 3/8-16 X 3/4 GRADE 5, HEX HEAD CAP	4	719693
15	41275-00	ELBOW, #402X3, HEAVY WALL MALE	2	729907
16	41313-00	BLEEDER SCREW	A/R	719082
17		TIRE/WHEEL ASSY., INDUSTRIAL 5 BOLT	2	
	40998-00	5.70 X 8, 6 PLY, LOAD RANGE D (BC 2 & 3)		709354
	40996-03	5.70 X 8, 10 PLY, HEAVY DUTY (BC 4 & 5)		719263
		INDIVIDUAL TIRES AND RIMS AVAILABLE AS SPECIAL ORDERS		

*ITEMS NOT SHOWN

BURDEN CARRIER WHEEL AND BRAKE ASSEMBLY (WITH TOL-O-MATIC BRAKES)

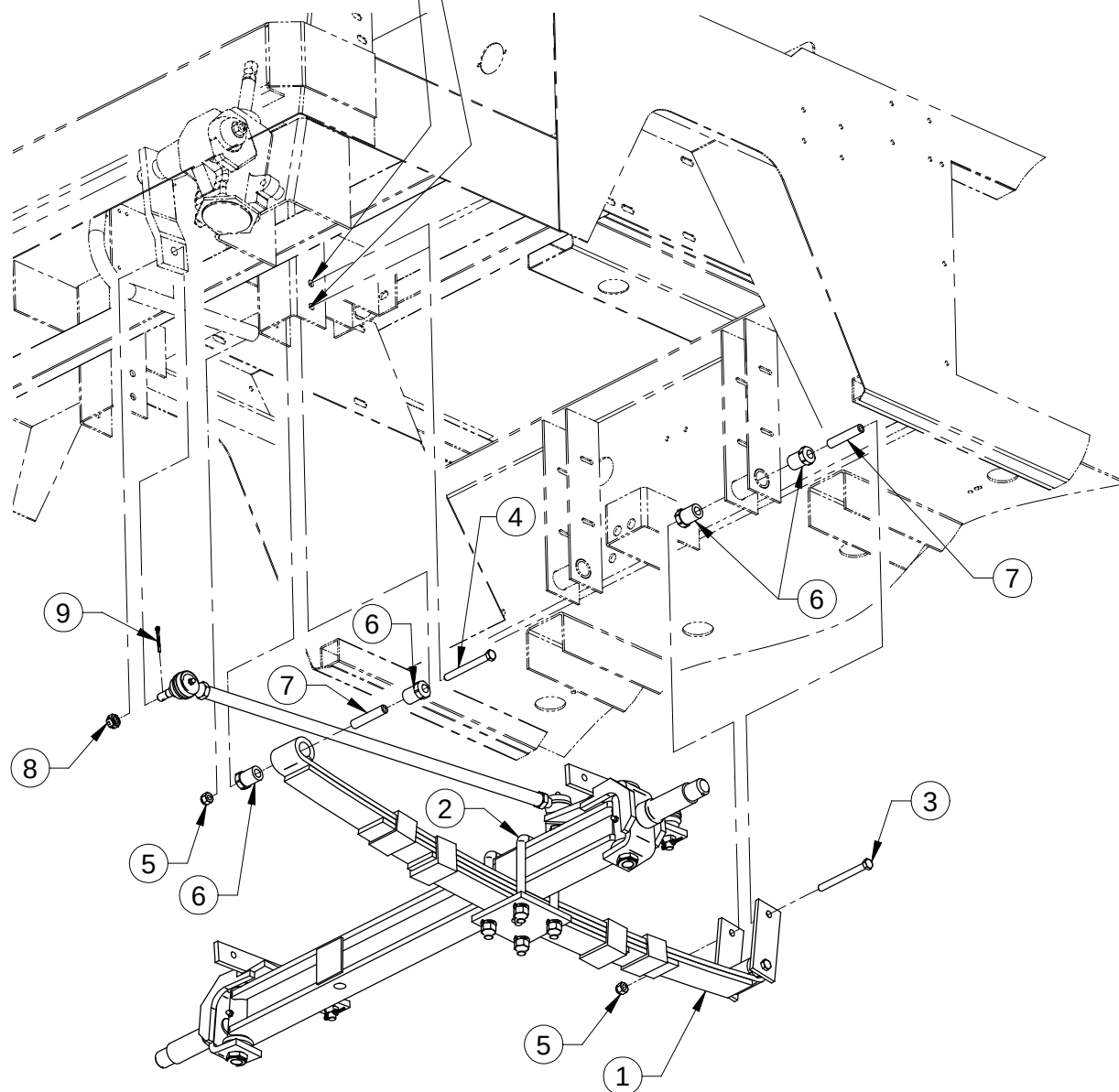
18	41200-94	LUG BOLT,WHEEL	10	709082
19	43152-66	NUT, 1/2-20, TAPERED WHEEL	10	709002
20	41199	WHEEL BOLT, 1/2 - 20 X 1 1/2, G5	10	719655
21	41297-00	BRAKE PADS	4	729920
22	41361-00	BOOT, DUST	4	729959
23	41359-00	PISTON	4	729957
24	41360-00	O-RING	4	729958

(POSITIONS OF ITEMS 15 & 16 WILL VARY FOR LEFT & RIGHT HAND CALIPERS)

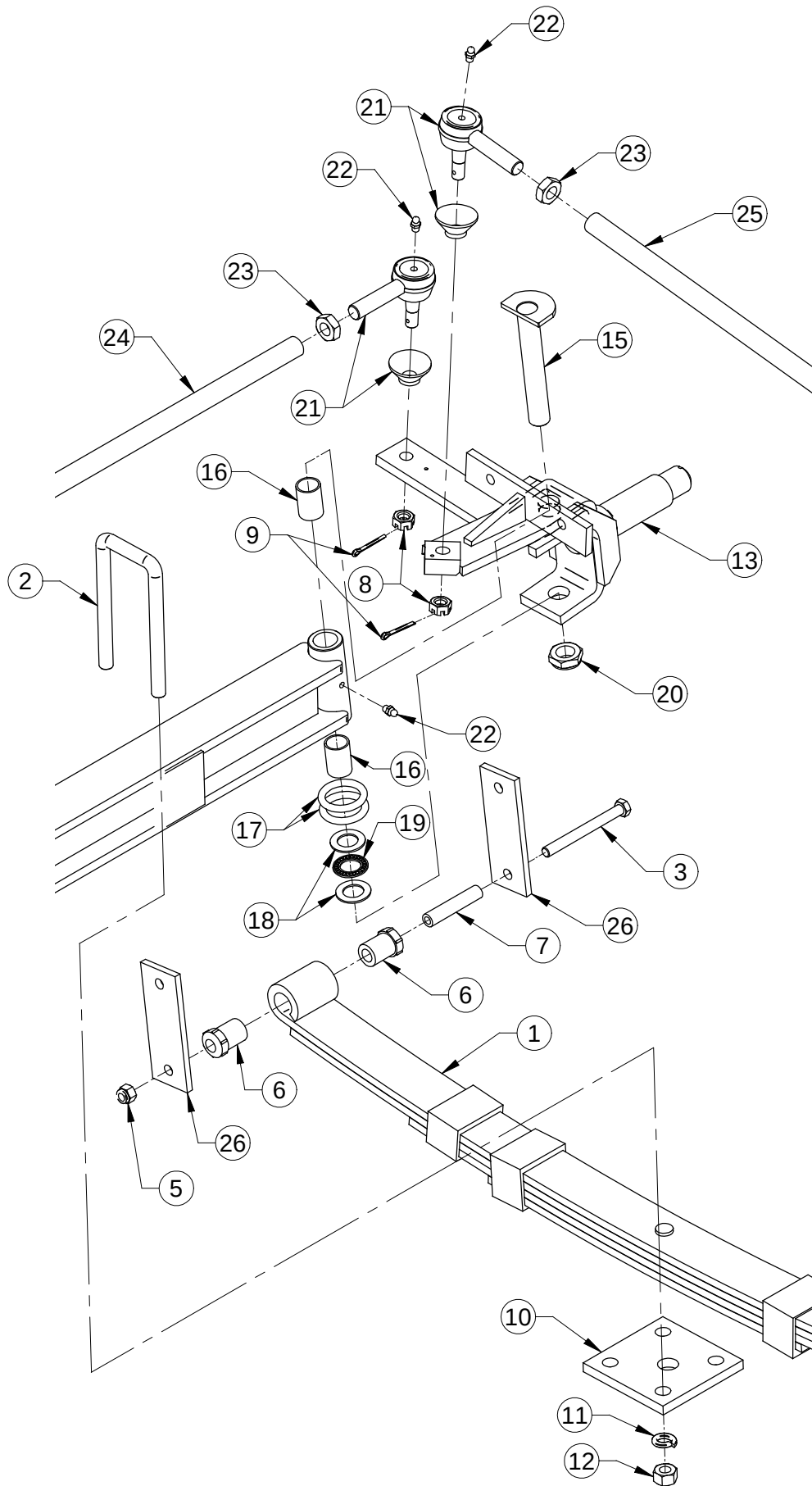
*ITEMS NOT SHOWN

BC FRONT AXLE, SPRINGS, & LINKAGES

NOTE: TWO HOLE POSITIONS FOR LEVELING
DEPENDING ON VEHICLE'S OPTIONS.
RECOMMENDED INITIAL POSITIONS:
BC2 - USE TOP HOLES
BC3, 4, & 5 - USE BOTTOM HOLES
DUE TO STIFFER REAR SPRINGS



BC FRONT AXLE, SPRINGS, & LINKAGES

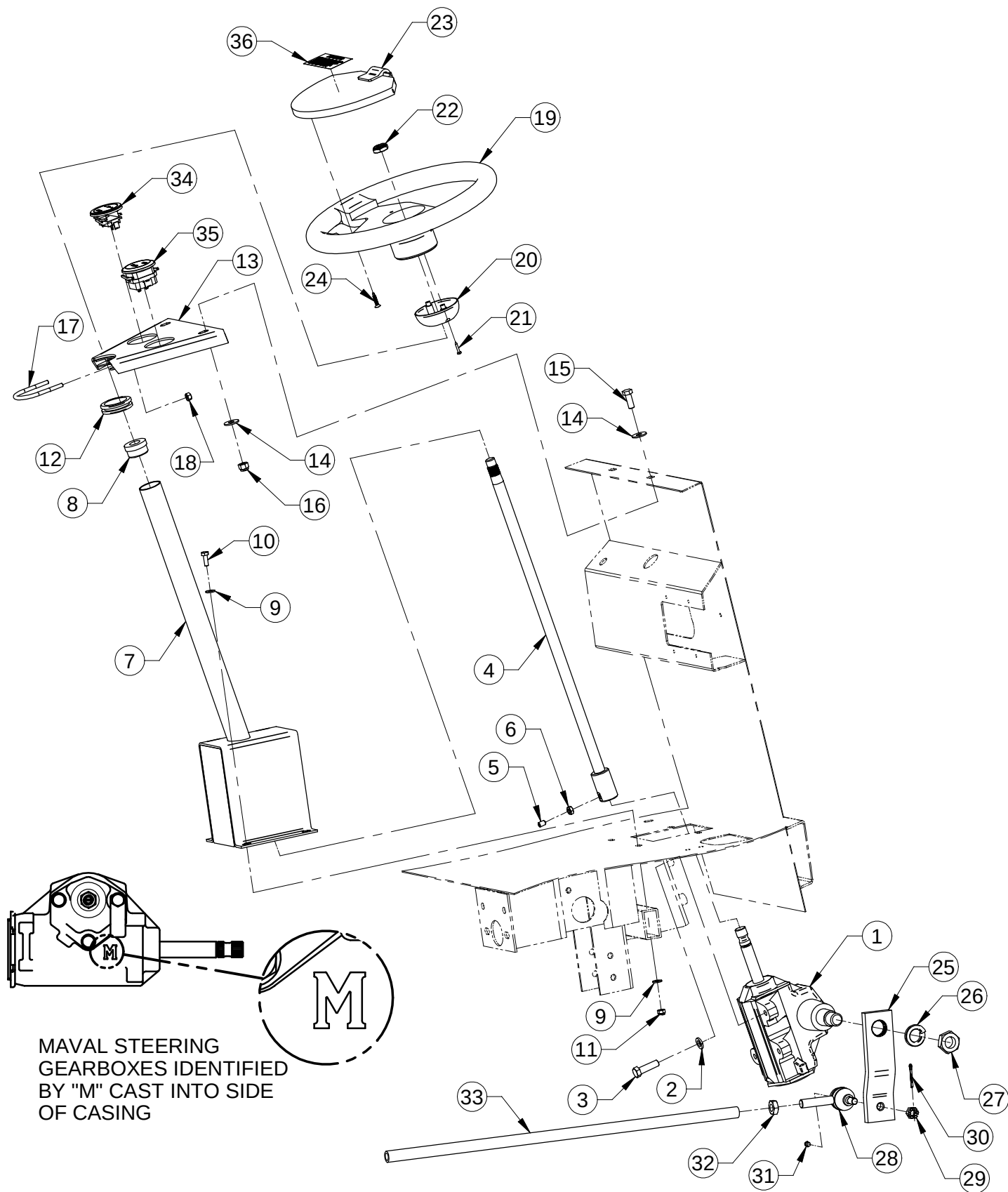


BC FRONT AXLE, SPRINGS, & LINKAGES

ITEM	CPC PART #	DESCRIPTION	QTY	SI PART #
1	54814-00	LEAF SPRING, 4-LEAF (USED ON BC 2 & 3)	2	709382
	54818-00	LEAF SPRING, 6-LEAF (USED ON BC 4)		709540
	54823-00	LEAF SPRING, 7-LEAF (USED ON BC 5)		467033
2	5203	U-BOLT, 1/2-13 X 5 1/4 (USED WITH 4 LEAF SPRINGS)	4	709372
	5209	U-BOLT, 1/2-13 X 5 7/8 (USED WITH 6 & 7 LEAF SPRINGS)		739454
3	3453	SCREW, 3/8-16 X 3 3/4, HHCS GR5	4	719622
4	3416	SCREW, 3/8-16 X 3 1/2, HHCS GR5	2	708526
5	7778	NUT, 3/8-16, NE, NYLOC, GR A	6	719902
6	10505	BUSHING, RUBBER, 1/2 X 1 3/8	12	709015
7	5711	SPACER, .50"X 2-1, SPLIT SEAM	6	709042
8	7948	NUT, 7/16-20, HEX CASTLE	4	719917
9	560	PIN, 1/8" X 1 1/4", COTTER	4	707337
10	54800-00	FRONT AXLE SPRING PLATE	2	510276
11	7068	WASHER, 1/2", SPRING LOCK	8	719840
12	7880	NUT, 1/2-13 HEX, FULL, GR 2	8	719913
13	56864-00A	SPINDLE WLDMT, LH	1	308224
14*	56863-00A	SPINDLE WLDMT, RH	1	308225
15	56843-00	KINGPIN	2	306093
16	9083	BUSHING, .751 X .878 X 1.25, OILITE	4	719961
17	11100	O-RING, 1-1/4 X 1/4, #332	4	709218
18	6042	WASHER, NEEDLE THRUST	4	709217
19	9085	BEARING, NEEDLE THRUST	2	719962
20	7513	NUT, 3/4-16, NTE, NYLOC, JAM, GR A	2	719861
21	56804-00	TIE ROD END, LH THREADED SHANK (FURNISHED WITH ITEMS 8 & 23)	2	709416
	56802-00	TIE ROD END, RH THREADED SHANK (FURNISHED WITH ITEMS 8 & 32)	2	709415
		CUSTOMER TO DETERMINE WHICH THREAD IS REQUIRED		
22	9800	GREASE FITTING, 1/4-28, SELF-TAPPING	6	709110
23	7765	NUT, 9/16-18, LEFT HAND THD., HEX, JAM	2	749300
	7880	NUT, 9/16-18, RIGHT HAND THD., HEX, JAM (MUST MATCH THREAD TO ITEM 21)	2	749299
24	56816-00	TIE ROD TUBE	1	510161
25	56814-00	DRAG LINK TUBE	1	510162
26	54801-00	SUSPENSION SPRING SHACKLE	4	510364

*ITEM NOT SHOWN

BURDEN CARRIER STEERING WHEEL AND GEARBOX



BURDEN CARRIER STEERING WHEEL AND GEARBOX

ITEM	CPC PART #	DESCRIPTION	QTY	SI PART #
1	56805-06	STEERING GEARBOX, MAVAL (WHEN REPLACING A SAGINAW GEARBOX, PITMAN ARM [ITEM 25] MUST ALSO BE REPLACED)	1	759703
2	7039	WASHER, 7/16 SPRING LOCK	3	708188
3	3769	SCREW, 7/16-14 X 1 1/2 HEX HEAD CAP, G5	3	719632
4	56807-00A	ASSY, STEERING SHAFT, BC (FURNISHED W/ ITEMS 5, 6, & 22)	1	709718
5	781133	SCREW, 5/16-24 SOCKET SET, CUP PT (2006 & NEWER VEHICLES)	1	781133
	3987-BS	SCREW, 5/16-18 X 3/4 HEX HEAD CAP, G5 (2005 & OLDER VEHICLES)	1	719642
6	7727	NUT, 5/16-24 NYLON INSERT LOCK, JAM (2006 & NEWER VEHICLES)	1	719889
	7525	NUT, 5/16-18 HEX, LOCKING FLANGE (2005 & OLDER VEHICLES)	1	719864
7	56811-00	STEERING COLUMN WELDMENT	1	306118
8	57067-87	BEARING, COLUMN	1	739636
9	6703-B	WASHER, 1/4, SA, FW, STL, HC BLACK	8	719811
10	3787-B	SCREW, 1/4-20 X 3/4 HEX HEAD CAP, G5	4	719636
11	7686	NUT 1/4-20 NYLON INSERT LOCK, GR A	4	719879
12	11418-A	GROMMET, 2775 EPDM 3/16 GROOVE	1	719523
13	56813-00	UPPER STEERING COLUMN SUPT. ASSY.	1	306117
14	6416	WASHER 3/8 FLAT STD.	4	719796
15	2879-W	SCREW, 3/8-16 X 1 HEX HEAD CAP ,G5	2	719594
16	7778	NUT, 3/8-16 NYLON INSERT LOCK	2	719902
17	9967	CLAMP, 1 3/4"	1	708748
18	7688-B	NUT, 1/4-20 HEX, GR 2	2	719880
19	57069-84	STEERING WHEEL, SPORT	1	709056
20	57024-00	STEERING HUB COVER	1	709085
21	2638	SCREW, #6 X 3/4 PHILLIPS PAN HEAD	2	719577
22	781132	NUT, M16 X 2 STEEL INSERT LOCK	1	781132
23	57089-99	CARD HOLDER/STEERING WHEEL COVER	1	709043
24	2641	SCREW, #10 X 1 PHILLIPS PAN HEAD	3	729263

BURDEN CARRIER STEERING WHEEL AND GEARBOX (CONT.)

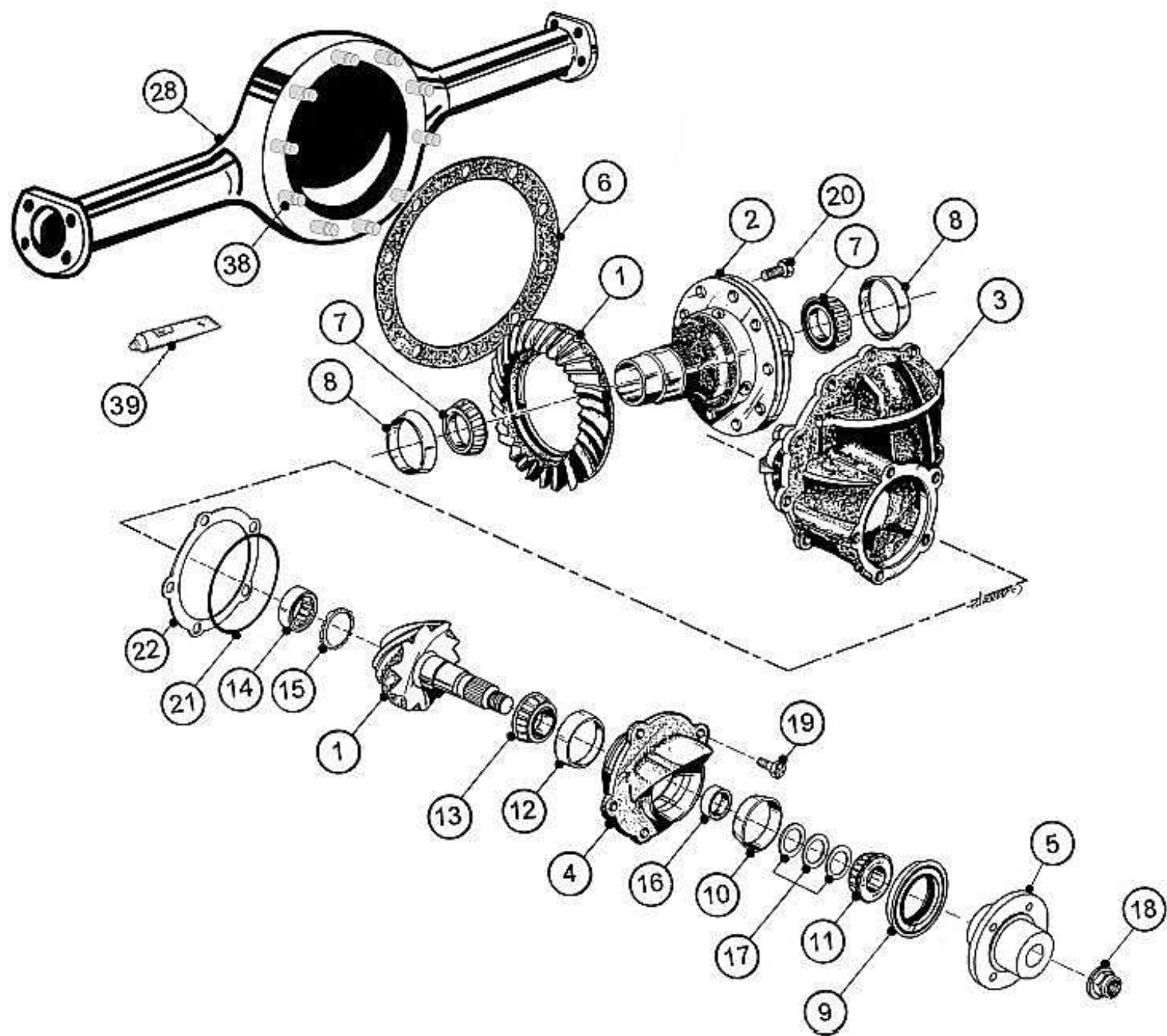
ITEM	CPC PART #	DESCRIPTION	QTY	SI PART #
25	56817-06	PITMAN ARM, BC, MAVAL BOX (USED ON UNITS HAVING MAVAL STEERING GEARBOXES ONLY)	1	719498
	56817-00	PITMAN ARM, BC, SAGINAW BOX (USED ON UNITS HAVING SAGINAW STEERING GEARBOXES ONLY)	1	709728
26	781135	WASHER, 7/8 SPRING LOCK	1	781134
27	781134	NUT, 7/8 - 14 HEX	1	781134
28	56804-00	TIE ROD END, LH THREADED SHANK (FURNISHED W/ ITEMS 29 & 32)	1	709416
	56802-00	TIE ROD END, RH THREADED SHANK (FURNISHED W/ ITEMS 29 & 32)		709415
		CUSTOMER TO DETERMINE WHICH THREAD IS REQUIRED		
29	7948	NUT, 7/16-20, CASTLE, G5	1	719917
30	560	PIN, 1/8"X1-1/4" COTTER	1	707337
31	9800	GREASE FITTING, 1/4"-28, SELF-TAPPING	1	709110
32	7765	NUT, 9/16-18, HEX JAM L.H. THREAD	1	749300
	7764	NUT, 9/16-18, HEX JAM R.H. THREAD (MUST MATCH THREAD TO ITEM 28)		749299
33	56814-00	DRAG LINK TUBE	1	510162
34	75052-01	BDI GAUGE (USED WITH 36V SYSTEMS)	1	709578
	75053-01	BDI GAUGE (USED WITH 48V SYSTEMS)	1	709183
35	75033-91	HOUR METER, 10-80 VOLT DC	1	709452
36	71527-04	DECAL, SWTCH SET POSITION	1	719426

Parts Manual

Section 3

Rear Suspension

BC 4 & 5 REAR AXLE CENTER



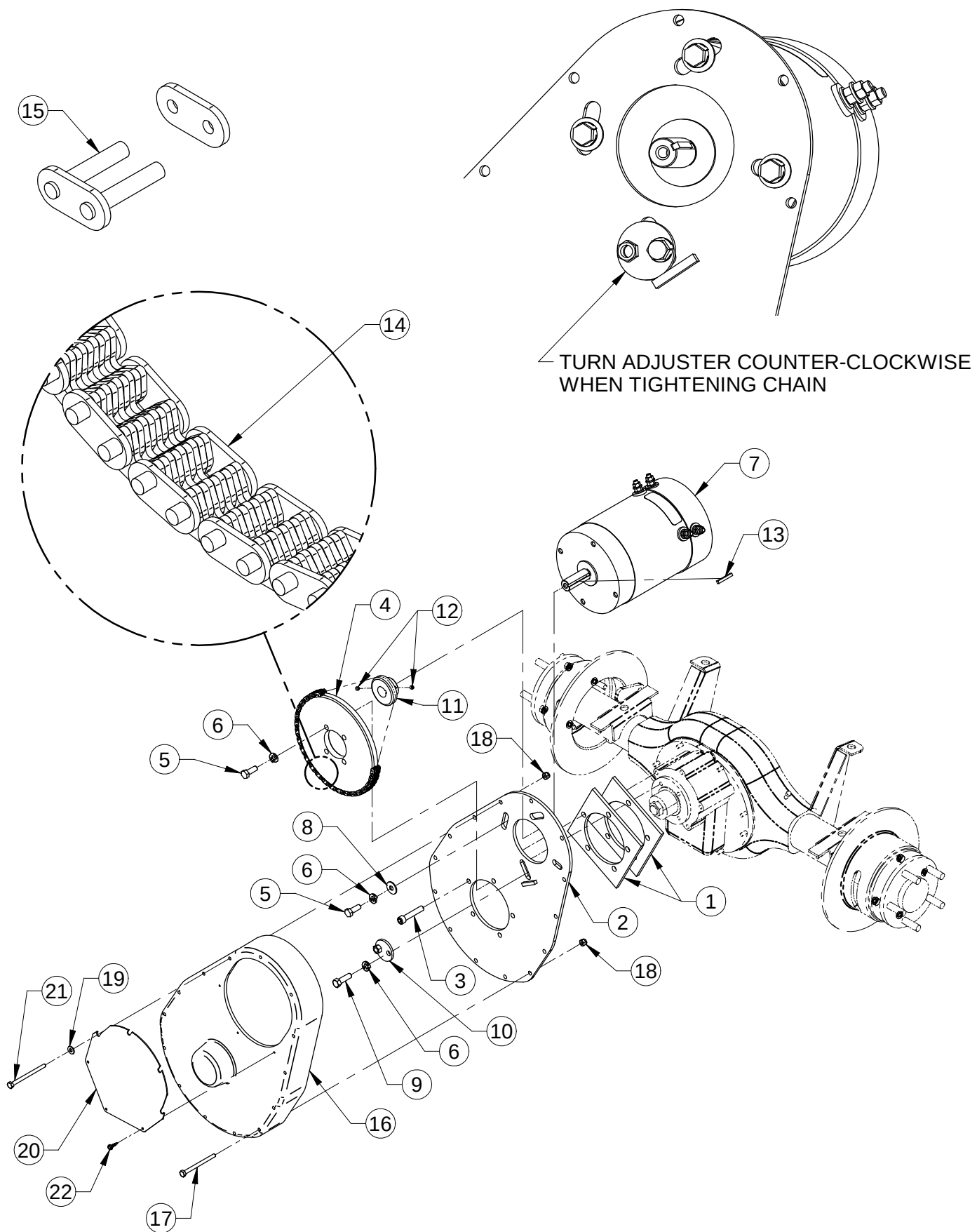
BC 4 & 5 REAR AXLE CENTER

ITEM	CPC PART #	DESCRIPTION	QTY	SI PART #
1	N/A	RING AND PINION GEAR SET	1	N/A
2	N/A	28 SPLINE OPEN CARRIER UNIT	1	N/A
3	N/A	GEAR CASE	1	N/A
4	N/A	PINION SUPPORT	1	N/A
5	33418-00	INPUT SPROCKET MOUNTING FLANGE	1	759751
6	82500-06	THIRD MEMBER TO HOUSING GASKET	1	759749
7	N/A	CARRIER BEARING	2	N/A
8	N/A	CARRIER BEARING RACE	2	N/A
9	12013	PINION GEAR OIL SEAL	1	729088
10	N/A	OUTER PINION BEARING RACE	1	N/A
11	N/A	OUTER PINION BEARING	1	N/A
12	N/A	INNER PINION BEARING RACE	1	N/A
13	N/A	INNER PINION BEARING	1	N/A
14	N/A	POCKET BEARING	1	N/A
15	N/A	POCKET BEARING RETAINER	1	N/A
16	N/A	PINION BEARING PRELOAD SPACER	1	N/A
17	N/A	PINION BEARING PRELOAD SPACER SHIMS	A/R	N/A
18	82501-06	FLANGE RETAINING NUT, 3/4-16 FLANGE NUT	1	781131
19	N/A	PINION SUPPORT BOLT	5	N/A
20	N/A	RING GEAR TO OPEN CARRIER UNIT BOLT	10	N/A
21	82505-00	PINION SUPPORT TO GEAR CASE "O" RING	1	749343
22	N/A	PINION DEPTH SHIM	A/R	N/A
28	N/A	AXLE HOUSING	1	N/A
38	N/A	THIRD MEMBER TO HOUSING STUD	10	N/A
39	N/A	SEALANT (RTV OR GASKET TYPE)	A/R	N/A
40*	82502-06	BC 3.55 RATIO AXLE CENTER	1	719492
	82503-06	BC 4.62 RATIO AXLE CENTER (INCLUDES ITEMS 1-22)		719272

*ITEM NOT IDENTIFIED

NOTE: ITEMS 1-4, 7, 8, 10-17, 19, 20, & 22 ARE ONLY SERVICED BY ITEM 40

BC 4 & 5 POWER TRAIN



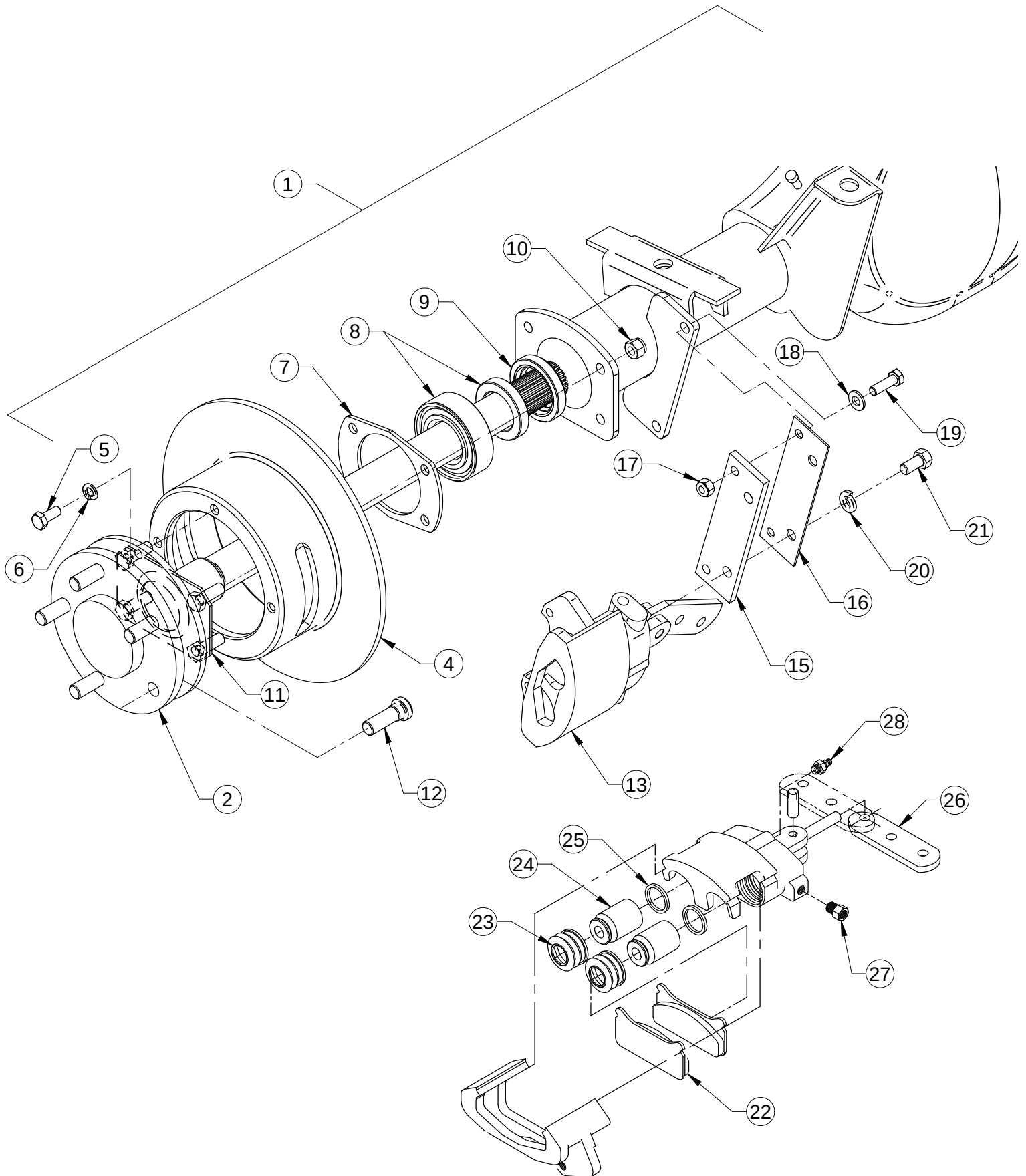
BC 4 & 5 POWER TRAIN

ITEM	CPC PART #	DESCRIPTION	QTY	SI PART #
1	33414-00	ADAPTER PLATE (1/2" TOTAL THICKNESS)	A/R	510374
2	33415-00A	BACKING PLATE, CHAIN HOUSING	1	308235
3	4740-B	SCREW, 3/8-16X2, SHCS	5	719698
4	SEE TABLE	SPROCKET, AXLE END	1	SEE TABLE
5	2879-W	SCREW, 3/8-16 X 1, HHCS	7	719594
6	7038-B	WASHER, 3/8", SPRING LOCK	8	719836
7	69401-00	MOTOR, 36V-48V (SERIES POWER SYSTEMS)	1	709621
*	69304-04	MOTOR, 36V-48V (SEP-EX POWER SYSTEMS)		719370
8	6416	WASHER, 3/8", FLAT	3	719796
9	4716-W	SCREW, 3/8-16 X 1 1/4, GR 5	1	719694
10	33420-00	MOTOR ADJUSTER/WASHER	1	306107
11	SEE TABLE	SPROCKET, MOTOR END	1	SEE TABLE
12	2247	SCREW, 1/4-20 X 1/4, SET	2	719550
13	41204-63A	KEY, 3/16 X 1-7/16, SQUARE	1	719656
14	SEE TABLE	CHAIN, 3/8 PITCH, 3/4 " WIDE	1	SEE TABLE
15	33410-00	MASTER LINK, 3/8 PITCH, 3/4" WIDE	1	729632
16	33405-00	HOUSING, CHAIN	1	511364
17	3413	SCREW, 1/4-20 X 3 1/4, HHCS	10	719614
18	7686	NUT 1/4-20,NE NYLOC, GR A	14	719879
19	6703-B	WASHER, 1/4", FLAT	4	719811
20	33404-06	COVER, CHAIN ADJUSTMENT ACCESS	1	510261
21	3651	SCREW, 1/4-20 X 3 1/2, HHCS	4	719628
22	2639	SCREW, #8 X 1/2, HEX WASHER HEAD	3	719578
23*	33408-00	CHAIN, 3/8 PITCH, 3/4 " WIDE, BULK LENGTHS		709209

* ITEM NOT SHOWN

	LARGE SPROCKET (ITEM # 4)			SMALL SPROCKET (ITEM # 11)			CHAIN (ITEM # 14)		
	CPC PART #	SI PART #	TEETH	CPC PART #	SI PART #	TEETH	CPC PART #	SI PART #	LINKS
BC 4	33432-00	729638	67	33472-00	729662	19	33470-00	467289	47
BC 5	33417-00	709145	86	33411-00	709143	17	33407-00	461335	52

BC 4 & 5 REAR AXLE AND BRAKE ASSEMBLIES



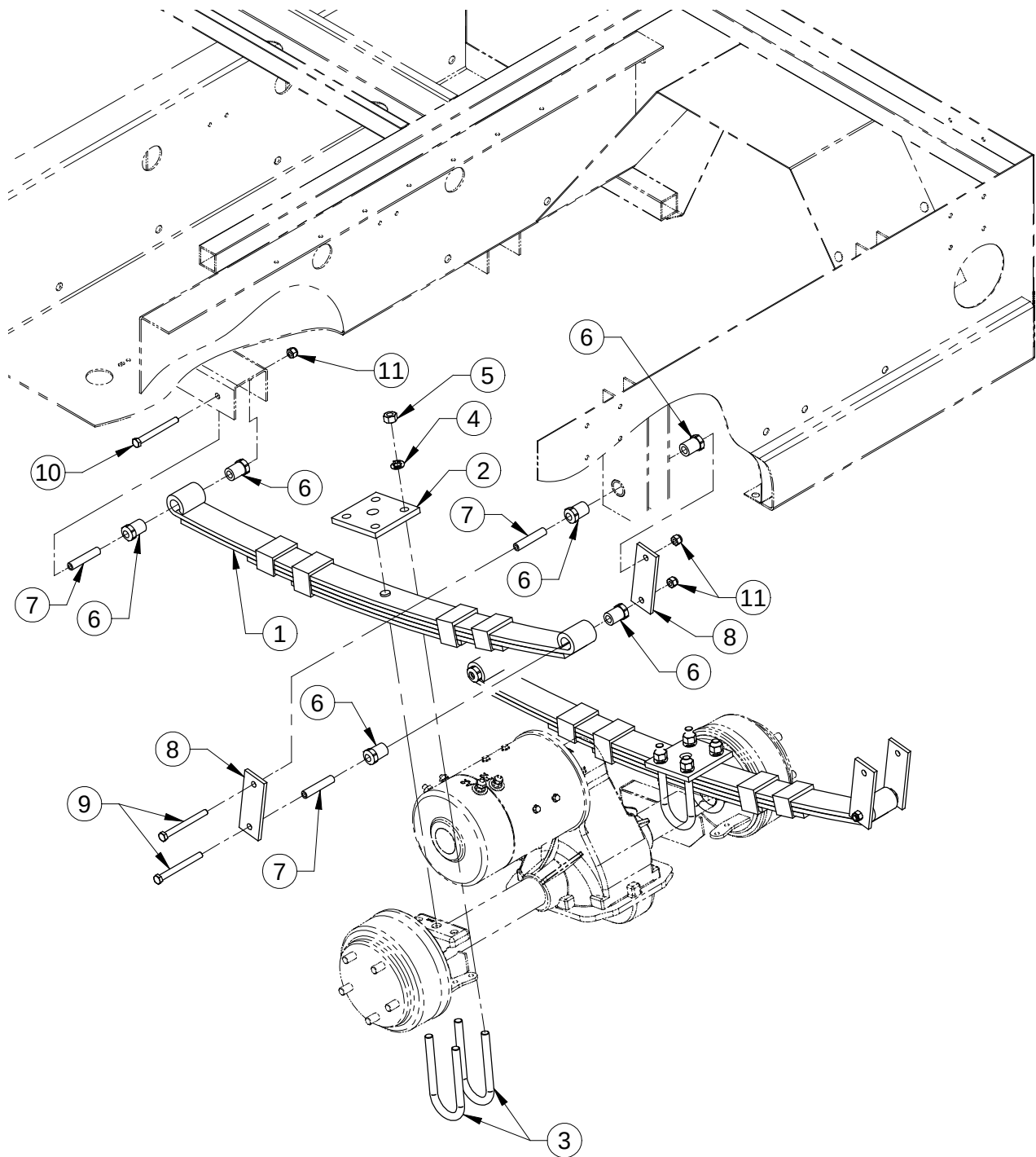
BC 4 & 5 REAR AXLE AND BRAKE ASSEMBLIES

ITEM	CPC PART #	DESCRIPTION	QTY	SI PART #
1	33402-00	ASSEMBLY, AXLE, 4.62 RATIO BC 4 & 5	1	467070
	33430-06	ASSEMBLY, AXLE, 3.55 RATIO BC 4 & 6 (AXLE ASSEMBLIES INCLUDE ITEMS 2-12 AND A COMPLETE AXLE CENTER [SEE REAR AXLE CENTER SECTION FOR PARTS BREAKDOWN])		467401
2	33448-00A	ASSEMBLY, SHAFT, LH BC FORD AXLE (INCLUDES ITEMS 8, 9, & 11)	1	719273
3*	33447-00A	ASSEMBLY, SHAFT, RH BC FORD AXLE (INCLUDES ITEMS 8, 9, & 11)	1	719274
4	41238-00	ROTOR, DISC BRAKE - REAR	2	729888
5	3987-BS	SCREW, 5/16-18 X 3/4, HHCS, GR 5	8	719642
6	7041-B	WASHER, 5/16", SPRING LOCK	8	719838
7	82507-00	GASKET, AXLE, 1/8", GARLOCK	2	749345
8	9082	BEARING, AXLE WITH RETAINER RING	2	749750
9	83111-06	SEAL, AXLE	2	759750
10	7778	NUT, 3/8-16, NE, NYLOC, GR A	4	719902
11	83110-06	RETAINER, BEARING	2	759752
12	41199	WHEEL BOLT, 1/2-20 X 1 1/2, GR 5	10	719655
13	41225-00	BRAKE CALIPER, LH, REAR	1	709291
14*	41226-00	BRAKE CALIPER, RH, REAR	1	709133
15	41234-00	CALIPER MOUNT, ADAPTER BRACKET	2	510378
16	23680-00	CALIPER MOUNT, ADAPTER SHIM	A/R	510809
17	7739	NUT, 5/16-18, NE, NYLOC, GR A	4	719892
18	6702-B	WASHER, 5/16", FLAT	4	719810
19	4017	SCREW, 5/16-18 X 1, HHCS, GR 8	4	708085
20	7038-B	WASHER - 3/8" REG SPRG, LOCK, BLACK ZC	4	719836
21	4713-W	SCREW, HX HD CAP 3/8-16 X 3/4 G5	4	719693
22	41297-00	BRAKE PADS	4	729920
23	41361-00	BOOT, DUST	4	729959
24	41359-00	PISTON	4	729957
25	41360-00	O-RING	4	729958
26	41257-00	LEVER, PARKING BRAKE	2	729901
27	41224-00	CONNECTOR, MALE, BRASS	2	709618
28	41313-00	BLEEDER VALVE	2	719082

(POSITIONS OF ITEMS 26-28 WILL VARY FOR LEFT & RIGHT HAND CALIPERS)

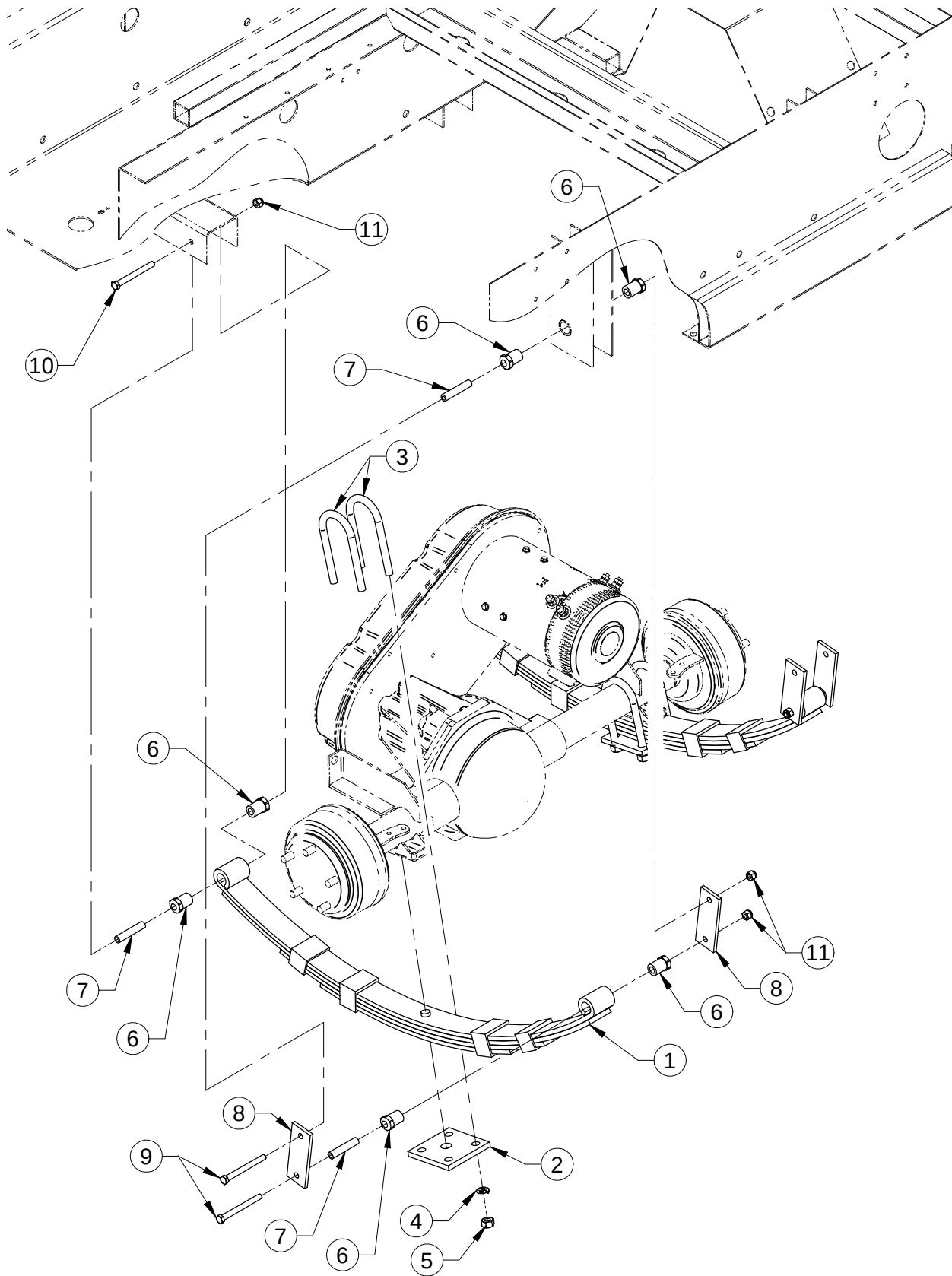
* ITEM NOT SHOWN

BURDEN CARRIER REAR SUSPENSION



BC 2 (SHOWN), 4, & 5 CONFIGURATIONS

BURDEN CARRIER REAR SUSPENSION



BC 3 CONFIGURATION

BURDEN CARRIER REAR SUSPENSION

ITEM	PART #	DESCRIPTION	QTY
1	54814-00	LEAF SPRING (4 LEAF, 2" DROP - BC 2)	2
	54845-01	LEAF SPRING (4 LEAF, 6" DROP - BC 3)	2
*	54819-00	LEAF SPRING (7 LEAF - BC 4)	2
*	54836-00	LEAF SPRING (8 LEAF - BC 5)	2
2	54800-00	AXLE SPRING PLATE (BC 2 & 3)	2
*	54801-00	AXLE SPRING PLATE (BC 4 & 5)	2
3	5205	U-BOLT, 1/2-13 X 5.25 (BC 2)	4
	5214	U-BOLT, 1/2-13 X 5.75 (BC 3)	4
*	5213	U-BOLT, 1/2-13 X 7.93 (BC 4 & 5)	4
4	7068	WASHER, 1/2, SAE LOCK	8
5	7880	NUT, 1/2-13 HEX FULL, GR 2	8
6	10505	BUSHING, 1/2X 1-3/8, RUBBER	12
7	5711	SPACER, .50" X 2-1, SPLIT SEAM	6
8	54801-00	SPRING SHACKLE	4
9	3453	SCREW, 3/8-16 X 3 3/4, HHCS, GR5	4
10	3416	SCREW, 3/8-16 X 3 1/2, HHCS, GR5	2
11	7778	NUT, 3/8-16, NE NYLOC, GR A	6

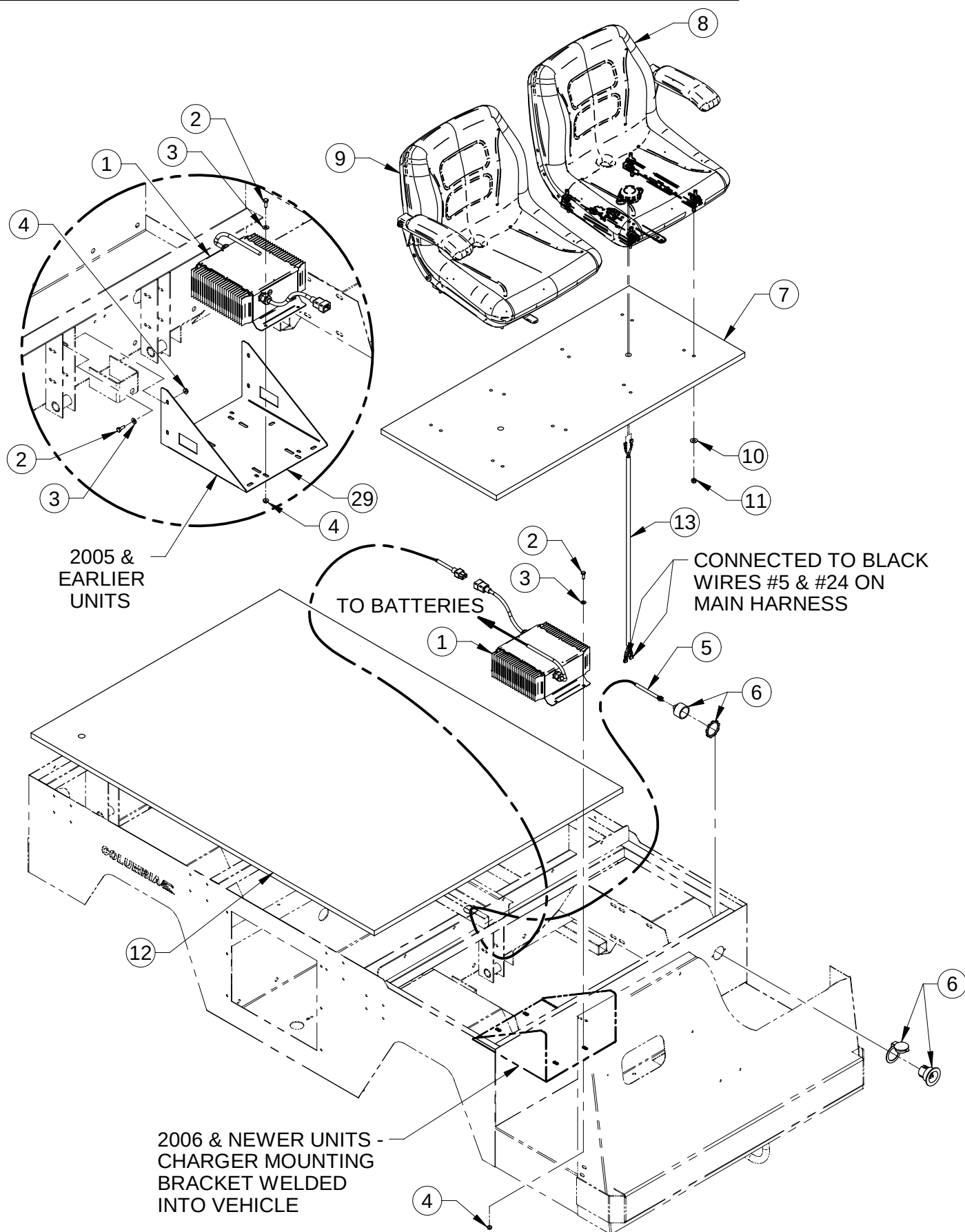
* ITEM NOT SHOWN

Parts Manual

Section 4

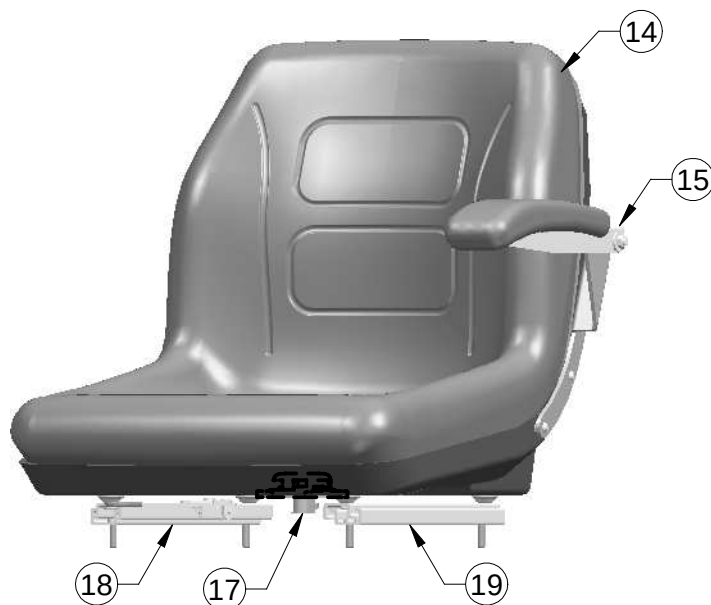
Body, Seating and Console Instrumentation

BURDEN CARRIER SEATING, DECKING, & CHARGER MOUNTING

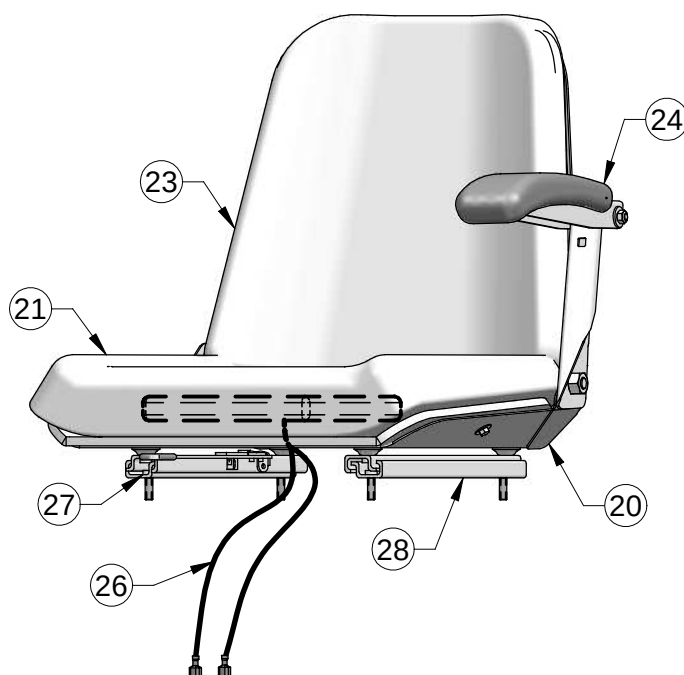


BURDEN CARRIER SEATING, DECKING, & CHARGER MOUNTING

1008 SERIES SEAT ASSEMBLIES		
PART #	DESCRIPTION	INCLUDED ITEMS
51714-05	1008 LH SEAT ASSY WITH ARMREST	14, 15, 17-19
51715-05	1008 RH SEAT ASSY WITH ARMREST	14, 16, 18, 19



907 SERIES SEAT ASSEMBLIES		
PART #	DESCRIPTION	INCLUDED ITEMS
51701-00	907 LH SEAT ASSY WITH ARMREST	20, 21, 23, 24, 26-28
51700-00	907 RH SEAT ASSY WITH ARMREST	20, 22, 23, 25, 27, & 28



BURDEN CARRIER SEATING, DECKING, & CHARGER MOUNTING

ITEM	PART #	DESCRIPTION	QTY
1	66583-03	CHARGER, DELTA Q - 48V SEALED	1
	66501-03	CHARGER, DELTA Q - 36V SEALED	
2	3787-B	SCREW, 1/4-20 X 3/4, HHCS, G5	A/R
3	6703-B	WASHER, 1/4, SAE FLAT	A/R
4	7724-B	NUT, 1/4-20, SERRATED FLANGE LOCK, GR A	A/R
5	66493-03	CHARGER CORD, 6' LONG, 14/3 WIRE BLK	1
6	66034-02	CHARGER INLET PLUG	1
7	51325-06	SEAT BOARD, POLYBOARD	1
8	---	LH SEAT ASSEMBLY (SEE TABLES ON PREVIOUS PAGE)	1
9	---	RH SEAT ASSEMBLY (SEE TABLES ON PREVIOUS PAGE)	1
10	6000-B	WASHER, 5/16 SAE FLAT	8
11	7739	NUT, 5/16-18, NYLOC, GR A	8
12	---	BURDEN CARRIER DECKING BOARDS (SEE TABLES AT END OF PARTS LIST [NEXT PAGE])	
13	70038-04	HARNESS, OPERATOR PRESENCE SWITCH (USED WITH 1008 SEAT ONLY)	1
14	39805-05	1008 BUCKET SEAT SHELL & CUSHION	2
15	52624-06	ARM KIT, L.H., BLACK (FOR 1008)	1
16*	52625-06	ARM KIT, R.H., BLACK (FOR 1008) (KITS INCLUDE MOUNTING BRACKET AND HARDWARE)	1
17	69757-95	OPERATOR PRESENCE SWITCH (FOR 1008)	1
18	91400-02	TRACK, LOCKING (FOR 1008)	2
19	91401-90	TRACK, NON-LOCKING (FOR 1008)	2

* ITEM NOT SHOWN

BURDEN CARRIER SEATING, DECKING, & CHARGER MOUNTING

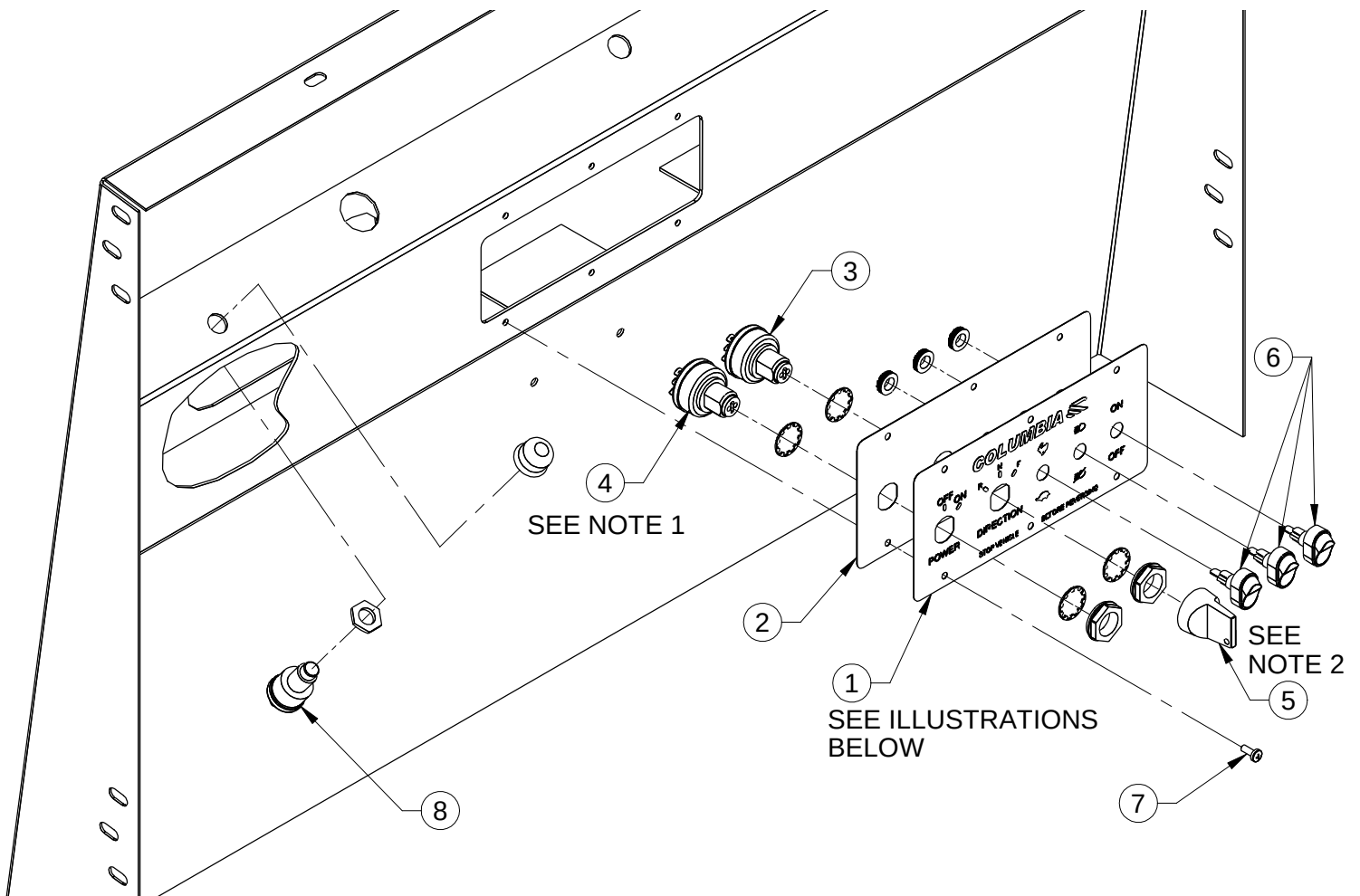
ITEM	PART #	DESCRIPTION	QTY
20	39806-88	907 BUCKET SEAT SHELL	2
21	51712-04	907 LH SEAT BOTTOM CUSHION	1
22*	51711-04	907 RH SEAT BOTTOM CUSHION	1
23	51710-04	907 SEAT BACK CUSHION	2
24	52610-97	ARM KIT, L.H. (FOR 907)	1
25*	52611-97	ARM KIT, R.H. (FOR 907) (KITS INCLUDE MOUNTING BRACKET AND HARDWARE)	1
26	51713-04	OPERATOR PRESENCE SWITCH (FOR 907)	
27	91402-02	TRACK, LOCKING (FOR 907)	1
28	91403-90	TRACK, NON-LOCKING (FOR 907)	1
29	66617-02	BRACKET, CHARGER (2005 & EARLIER UNITS)	1

* ITEM NOT SHOWN

STANDARD LENGTH BURDEN CARRIERS		
PART #	DESCRIPTION	QTY
90753-05	DECK, POLYBOARD, 61.13" X 44.25"	1
	or	
51320-00	DECKBOARD, WOOD CORE, 44" X 30.25"	2
51322-00	DECKBOARD, DIAMOND PLATE COVER, SHORT	2
1600	HANDLE, LIFTING	2
6000-B	WASHER, 5-16, SAE FLAT	2
7739	NUT, 5/16-18, NYLOC	2

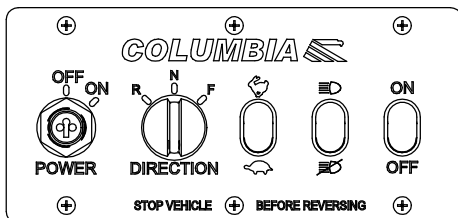
EXTENDED LENGTH BURDEN CARRIERS		
PART #	DESCRIPTION	QTY
90754-05	DECK, POLYBOARD, 74.94" X 44.25"	1
	or	
51321-00	DECKBOARD, WOOD CORE, 44" X 44.25	1
51323-00	DECKBOARD, DIAMOND PLATE COVER, LONG	1
51320-00	DECKBOARD, WOOD CORE, 44" X 30.25"	1
51322-00	DECKBOARD, DIAMOND PLATE COVER, SHORT	1
1600	HANDLE, LIFTING	2
6000-B	WASHER, 5-16, SAE FLAT	2
7739	NUT, 5/16-18, NYLOC	2

BURDEN CARRIER DASH PANEL

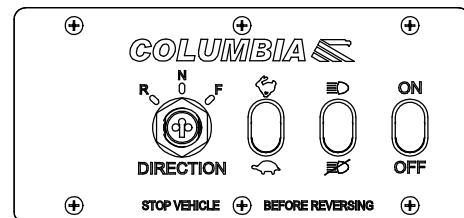


NOTES:

1. USED WITH SEP EX POWER SYSTEMS ONLY.
2. NON-REMOVABLE KEY INCLUDED IN SEP EX POWER SYSTEMS, OPTIONAL IN SERIES XP+ POWER SYSTEMS.



OVERLAY #50010-05
FOR USE WITH SEP EX SYSTEMS



OVERLAY #50011-05
FOR USE WITH SERIES XP+ SYSTEMS

BURDEN CARRIER DASH PANEL

ITEM	CPC PART #	DESCRIPTION	QTY	SI PART #
1	50010-05	OVERLAY, DASHBOARD, BC (SEP EX ONLY)	1	719478
	50011-05	OVERLAY, DASHBOARD, BC (SERIES ONLY)		719477
2	39819-05	PANEL, DASH	1	510784
3	71730-01	KEYSWITCH WITH HARDWARE (SERIES AND SEP EX - SEE TABLE BELOW FOR ALTERNATE KEYSETS)	1	709040
4	71730-01	KEYSWITCH WITH HARDWARE (2005 SEP EX ONLY - SEE TABLE BELOW FOR ALTERNATE KEYSETS)	**	709040
	71732-06	POWERSWITCH WITH HARDWARE (2006 AND NEWER SEP EX ONLY - SEE TABLE BELOW FOR ALTERNATE KEYSETS)		759706
5	71767-05	ASSY, KEY, NON-REMOVABLE, W/COVER (LATER MODEL SEP EX, SERIES OPTIONAL - AVAILABLE IN KEYSET "A" ONLY)	**	719432
6	71511-87A	SWITCH, ROCKER, ILLUMINATED (LIGHTS - ALL APPLICATIONS HI/LO - SEP EX & OVERDRIVE SERIES ON/OFF - ANY WITH ACCESSORIES)	1 ** **	709412
7	719467	SCREW, 10-24X1/2 PHILLIPS	6	719467
8	71807-80	HORN SWITCH	1	709385
9*	653	1/2" HOLE PLUG (FOR UNUSED ROCKER SWITCH HOLES)	**	719798

*ITEM NOT SHOWN

**QTY AS PER YOUR VEHICLE

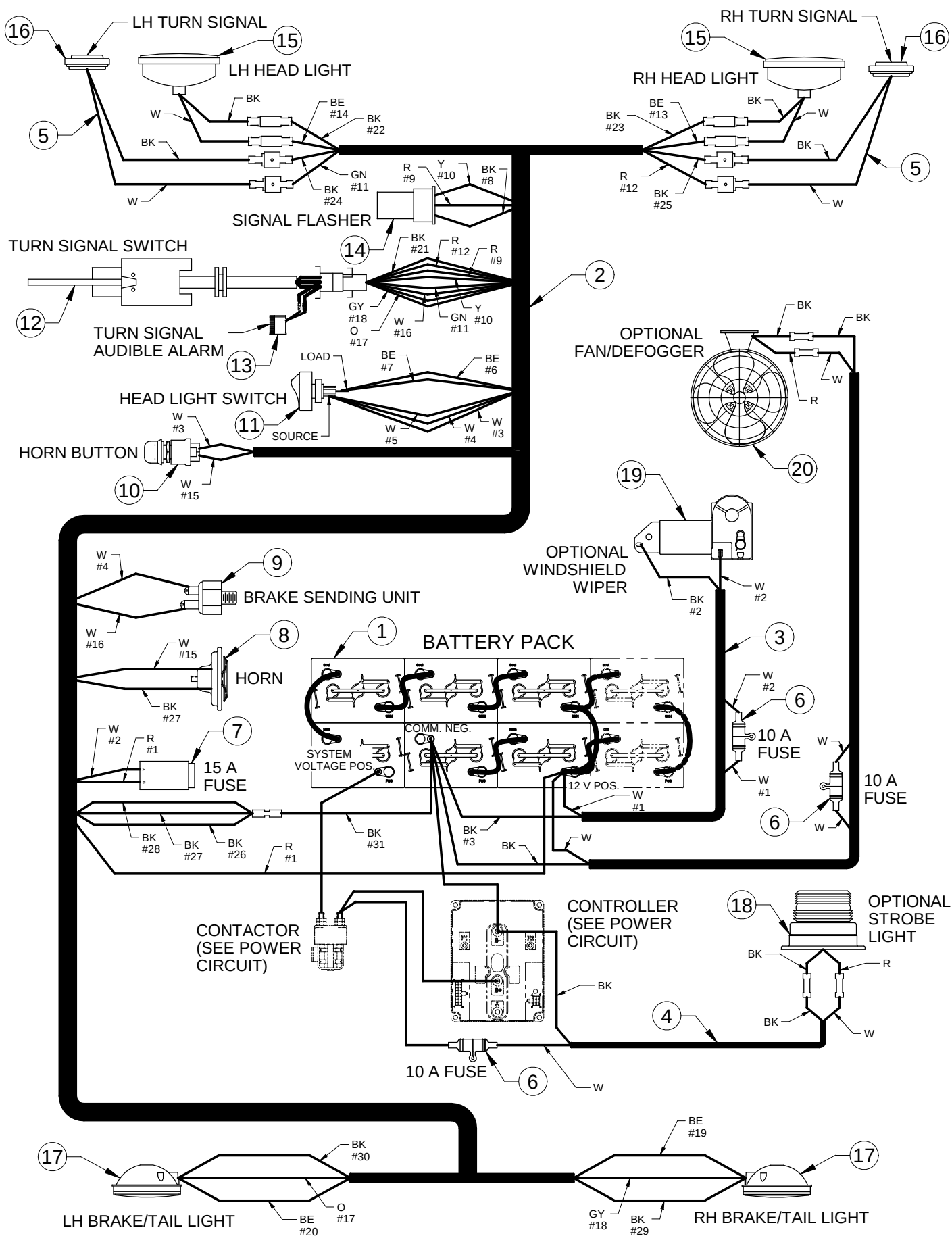
STANDARD KEYSET TABLE			
KEYSET	3 POSITION KEYSWITCH	2 POSITION POWERSWITCH	STANDARD KEY
"A"	71730-01	71732-06	71731-01
"B"	71730-01B	71732-06B	71731-03B
"C"	71730-01C	71732-06C	71731-03C
"D"	71730-01D	71732-06D	71731-03D
"E"	71730-01E	71732-06E	71731-03E

Parts Manual

Section 5

Electrical Systems

BC ACCESSORY WIRING DIAGRAM

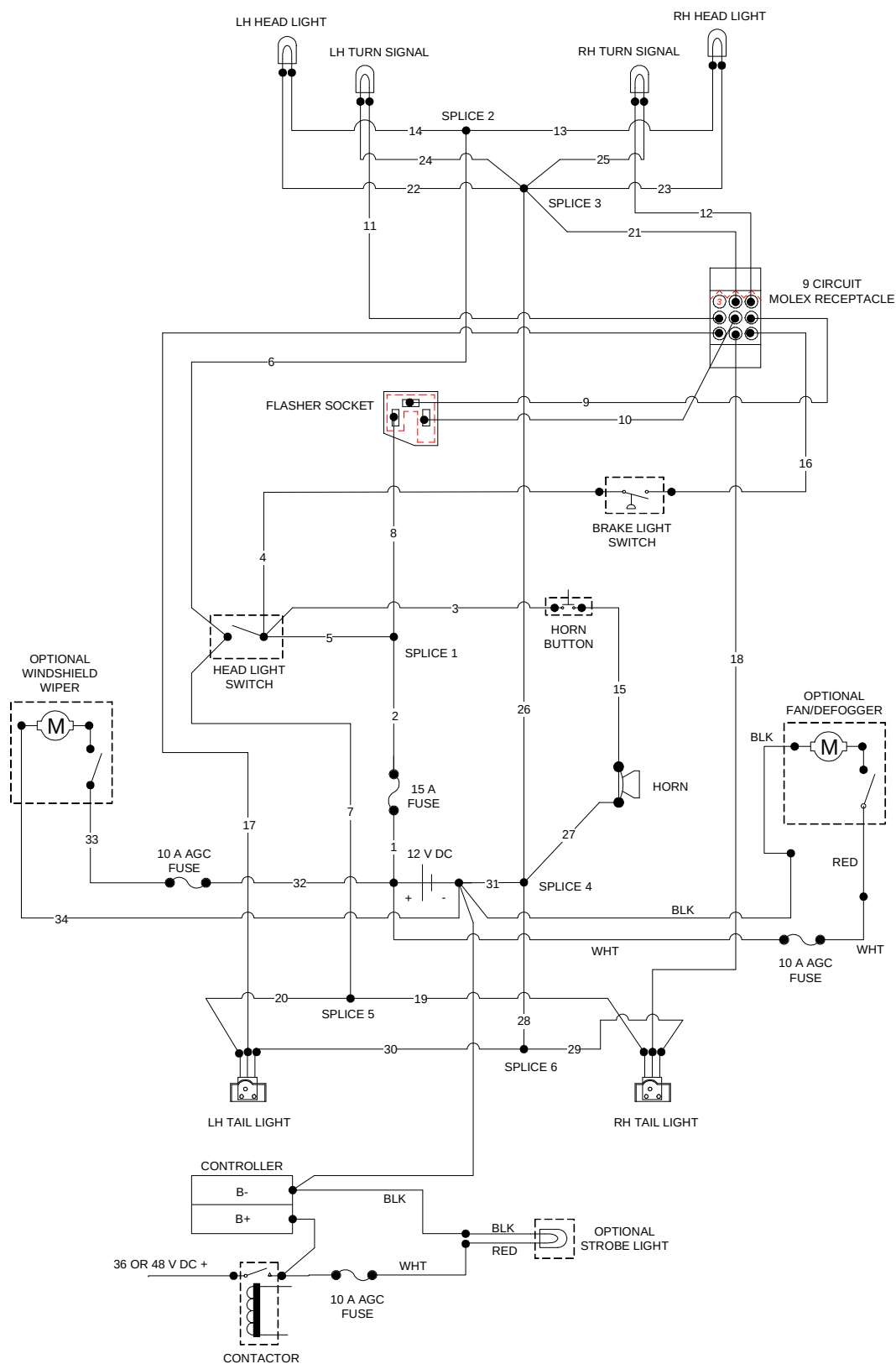


BC ACCESSORY WIRING DIAGRAM

ITEM	PART #	DESCRIPTION	QTY
1	66015-03	BATTERY, 6V, DEEP CYCLE, (US 2200)	A/R
	66005-03	BATTERY, 6V DEEP CYCLE HD, (US-145) - OPTIONAL	
2	68869-02	WIRE HARNESS, BC, 12V, ACCESSORY	1
3	68873-05	WIRE HARNESS, BC WINDSHIELD WIPER	A/R
4	75320-00	WIRE, TWISTED PAIR 16GA W/JACKET B/W	A/R
5	69836-00	TURN LIGHT PIGTAIL (INCLUDES GROMMET)	2
6	71860-94	FUSE HOLDER HFB 30AMP 32VOLT &	A/R
	69717-00	FUSE, 10 AMP AGC	A/R
7	74595-01	FUSE, 15 AMP ATO/ATC	1
8	69001-76A	HORN, 12V (2 TERMINAL)	1
9	41212-00	SWITCH, BRAKE LIGHT	1
10	71807-80	SWITCH, HORN	1
11	71511-87A	SWITCH, ROCKER, SPST	1
12	71426-02	SWITCH, (INCLUDES ITEM 13)	1
13	62931-04	ALARM, TURN SIGNAL	1
14	71977-04	TURN SIGNAL FLASHER UNIT	1
15	67724-91	HEAD LIGHT	2
16	68501-00	TURN LIGHT, AMBER, ROUND	2
17	68020-92	BRAKE/TAIL LIGHT	2
18	84140-96	STROBE LIGHT, AMBER (SEE ITEM 21)	A/R
19	84111-92	MOTOR, WINDSHIELD WIPER (SEE ITEM 22)	A/R
20	75321-00	FAN (SEE ITEM 23)	A/R
21*	90140-00	STROBE KIT, POLE MOUNTED	A/R
	90141-00	STROBE KIT, CAB MOUNTED (KITS INCLUDE STROBE, MOUNTING HARD- WARE, & WIRES WITH TERMINALS)	
22*	84114-06	WIPER KIT (INCLUDES MOTOR, MOUNTING HARDWARE, & HARNESS)	A/R
23*	75320-00	FAN KIT (INCLUDES FAN, MOUNTING HARD- WARE, & WIRES WITH TERMINALS)	A/R

* ITEMS NOT SHOWN

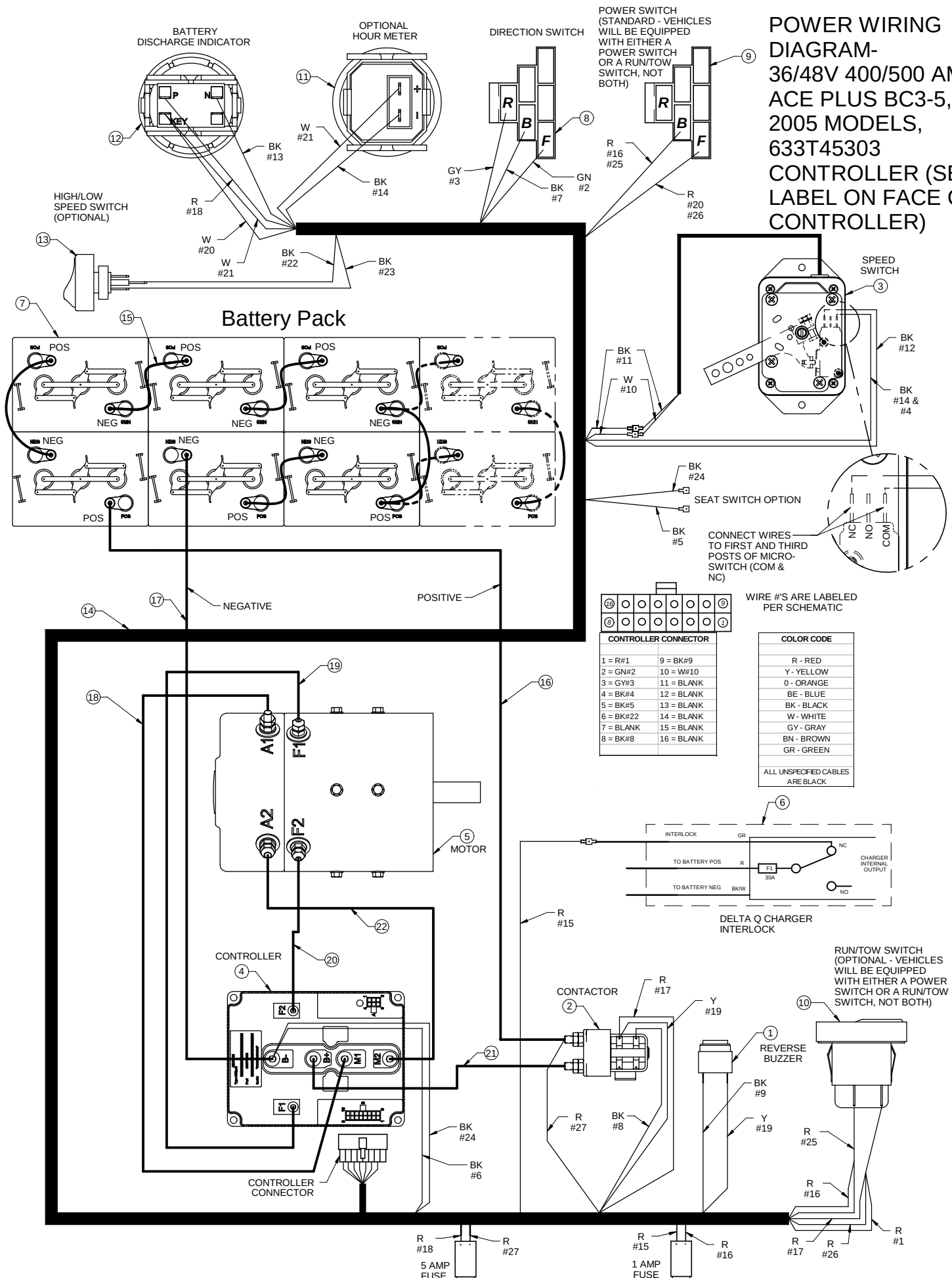
BC ACCESSORY WIRING SCHEMATIC



HARNESS #709252		
CIRCUIT NO.	HARNESS WIRE NO.	WIRE COLOR
1	1	RED
2	2	WHT
3	3	WHT
4	4	WHT
5	5	WHT
6	6	BLU
7	7	BLU
8	8	BLK
9	9	RED
10	10	YEL
11	11	GRN
12	12	RED
13	13	BLU
14	14	BLU
15	15	WHT
16	16	WHT
17	17	ORG
18	18	GRY
19	19	BLU
20	20	BLU
21	21	BLK
22	22	BLK
23	23	BLK
24	24	BLK
25	25	BLK
26	26	BLK
27	27	BLK
28	28	BLK
29	29	BLK
30	30	BLK
31	31	BLK

HARNESS #467407		
CIRCUIT NO.	HARNESS WIRE NO.	WIRE COLOR
32	1	WHT
33	2	WHT
34	3	BLK

POWER WIRING DIAGRAM- 36/48V 400/500 AMP ACE PLUS BC3-5, 2005 MODELS, 633T45303 CONTROLLER (SEE LABEL ON FACE OF CONTROLLER)



ELECTRICAL POWER COMPONENTS - 36/48 V BC3-5
(2005 MODELS)
633T45303 CONTROLLER

ITEM #	CPC PART #	DESCRIPTION	QTY FOR 36 VOLT SYSTEMS	QTY FOR 48 VOLT SYSTEMS	SI PART #
1	71408-96	BUZZER, REVERSE - 9-48 V DC	1	1	709038
2	71455-01	CONTACTOR WITH MOUNTING BRACKET - 24 V	1	1	709166
3	70061-00B	SWITCH, SPEED ASSY	1	1	719461
4	47895-05	CONTROLLER, SEVCON SEP-EX, REGEN BETA	1	1	719459
5	69304-04	MOTOR, ELECTRIC, 48V, SEP EX, SHAFT OUTPUT	1	1	719370
6	66501-03	CHARGER, DELTA Q, 36V SEALED	1	-	719248
	66583-03	CHARGER, DELTA Q, 48V SEALED	-	1	719249
7	66015-03	BATTERY, 6V, DEEP CYCLE, (US 2200)	6	8	719229
	66005-03	BATTERY, 6V DEEP CYCLE HD, (US-145) - OPTIONAL			719231
8	71730-01	KEYSWITCH, UNIVERSAL W/HARDWARE	1	1	709040
*	71733-04	NON-REMOVABLE KEY (USED WITH ITEM 8)	1	1	719432
9	71730-01	KEYSWITCH, UNIVERSAL, W/HARDWARE (REPLACES ITEM 10 IN 2005 MODELS - AVAILABLE IN KEYSETS "A, B, C, D, E")	1	1	709040
10	71516-01	SWITCH - TOW/RUN (OPTIONAL)	1	1	709165
11	75033-91	HOURLMETER (OPTIONAL)	1	1	709452
12	75052-01	BDI METER, 36V, DIGITAL	1	-	709578
	75053-01	BDI METER, 48V, DIGITAL	-	1	709183
13	71511-87A	SWITCH, ROCKER, ILLUMINATED SPST	1	1	709412
14	70069-03	HARNESS, MAIN	1	1	719369
*	75594-04	FUSE, 1 AMP (ATC/ATO) (INCLUDED WITH ITEM 14)	1	1	719444
*	75593-04	FUSE, 5 AMP (ATC/ATO) (INCLUDED WITH ITEM 14)	1	1	719445

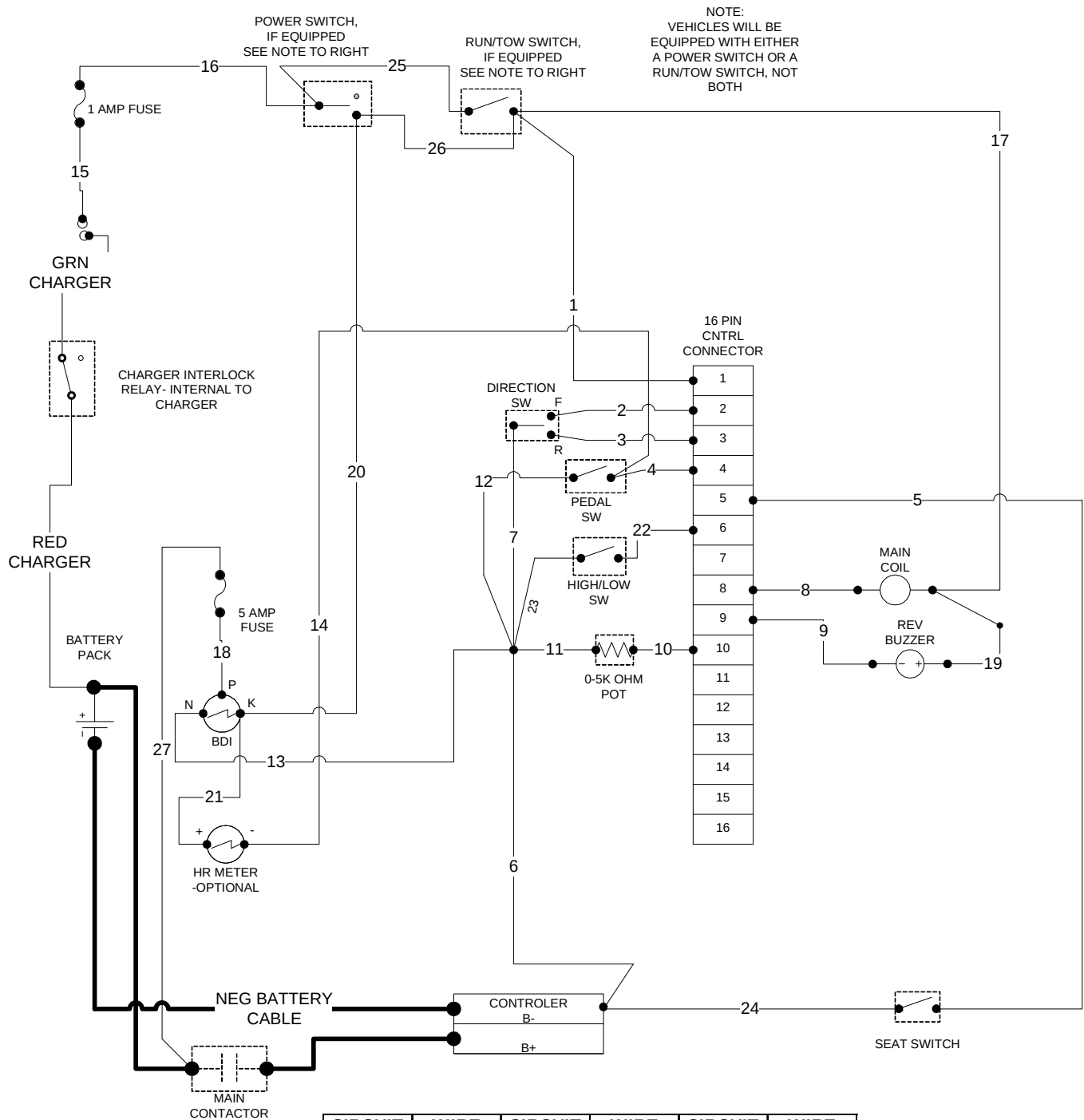
* ITEM NOT SHOWN

ELECTRICAL POWER COMPONENTS - 36/48 V BC3-5
(2005 MODELS)
633T45303 CONTROLLER

ITEM #	CPC PART #	DESCRIPTION	QTY FOR 36 VOLT SYSTEMS	QTY FOR 48 VOLT SYSTEMS	SI PART #
15	70099-88	CABLE ASSY - 4GA X 8.75"	5	7	709004
16	70105-89	CABLE ASSY, 4 GA X 61.50	1	1	709411
*	71581-84	MARKER, POSITIVE (+) (USED WITH ITEM 16)	2	2	749180
17	70105-89	CABLE ASSY, 4 GA X 61.50	1	1	709411
18	70447-90	CABLE, 6 GA. 14"; 5/16" TERM	1	1	709033
*	32971-67	MARKER, A1 (USED WITH ITEM 18)	2	2	719601
19	70443-01	CABLE, 6 GA 18", 5/16, 1/4 Term	1	1	709215
*	32972-04	MARKER, F1 (USED WITH ITEM 19)	2	2	719331
20	70443-01	CABLE, 6 GA 18", 5/16, 1/4 Term	1	1	709215
*	32973-04	MARKER, F2 (USED WITH ITEM 20)	2	2	719330
21	70447-90	CABLE, 6 GA. 14"; 5/16" TERM	1	1	709033
*	71581-84	MARKER, POSITIVE (+) (USED WITH ITEM 21)	2	2	749180
22	70448-90	CABLE, 6 GA. 20"; 5/16" TERM	1	1	709012
*	32970-67	MARKER, A2 (USED WITH ITEM 22)	2	2	719600

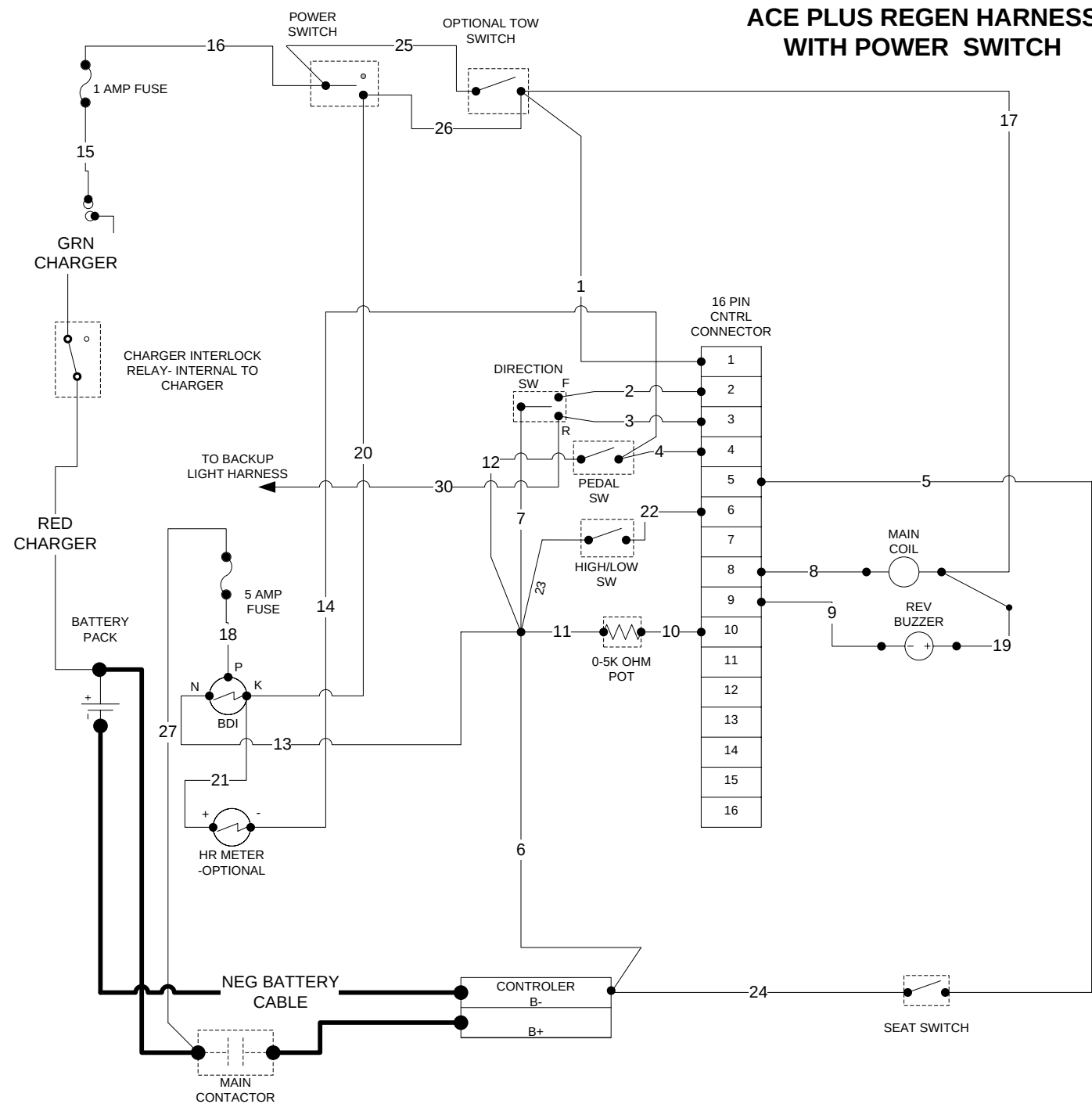
* ITEM NOT SHOWN

ELECTRICAL SCHEMATIC - 36/48 V BC3-5 (2005 MODELS) 633T45303 CONTROLLER



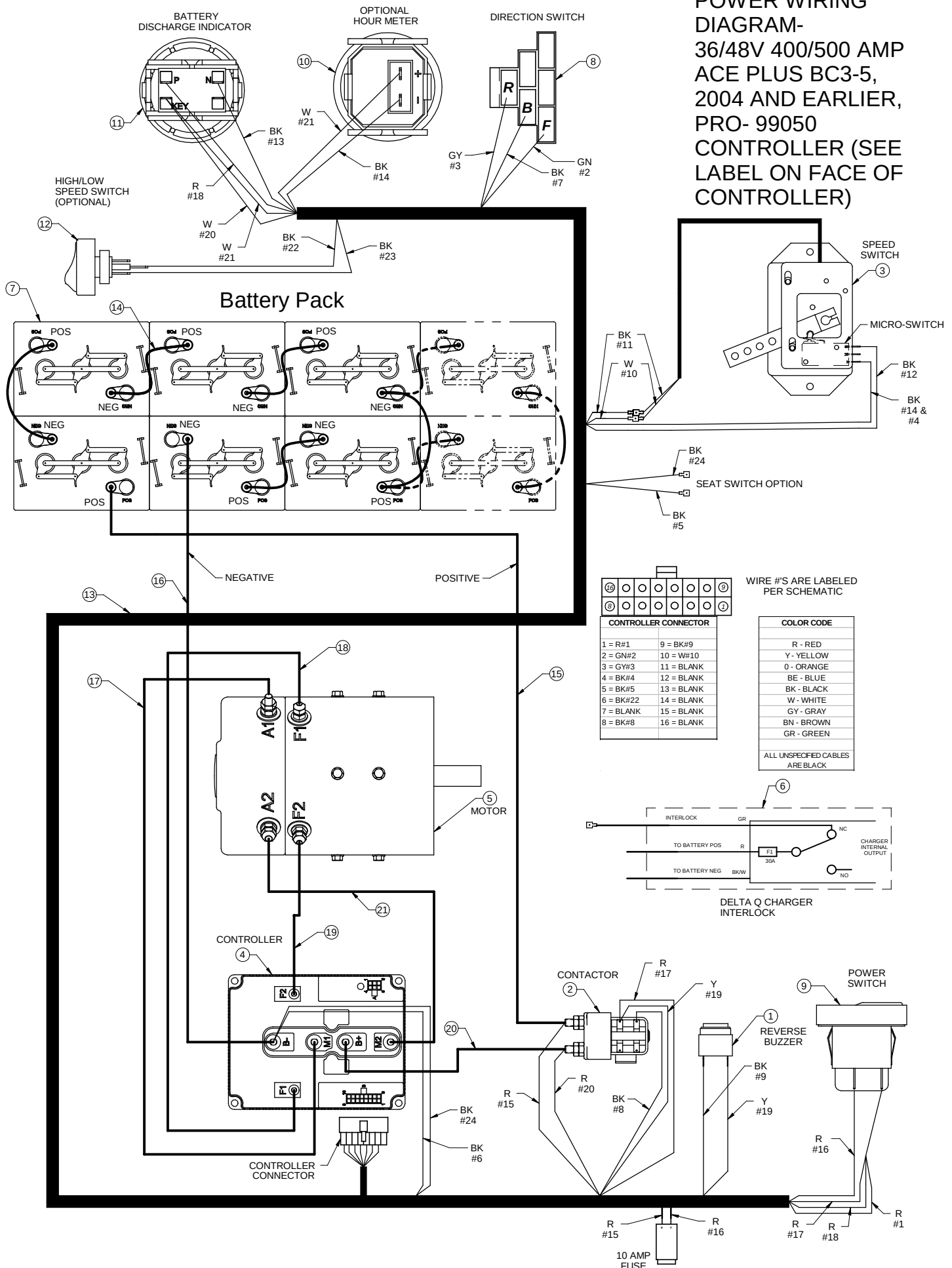
CIRCUIT NO.	WIRE COLOR	CIRCUIT NO.	WIRE COLOR	CIRCUIT NO.	WIRE COLOR
1	RED	10	WHT	19	YEL
2	GRN	11	BLK	20	WHT
3	GRY	12	BLK	21	WHT
4	BLK	13	BLK	22	BLK
5	BLK	14	BLK	23	BLK
6	BLK	15	RED	24	BLK
7	BLK	16	RED	25	RED
8	BLK	17	RED	26	RED
9	BLK	18	RED	27	RED

719369-01 BURDEN CARRIER ACE PLUS REGEN HARNESS WITH POWER SWITCH



CIRCUIT NO.	WIRE COLOR	CIRCUIT NO.	WIRE COLOR	CIRCUIT NO.	WIRE COLOR
1	RED	10	WHT	19	YEL
2	GRN	11	BLK	20	WHT
3	GRY	12	BLK	21	WHT
4	BLK	13	BLK	22	BLK
5	BLK	14	BLK	23	BLK
6	BLK	15	RED	24	BLK
7	BLK	16	RED	25	RED
8	BLK	17	RED	26	RED
9	BLK	18	RED	27	RED

POWER WIRING DIAGRAM- 36/48V 400/500 AMP ACE PLUS BC3-5, 2004 AND EARLIER, PRO- 99050 CONTROLLER (SEE LABEL ON FACE OF CONTROLLER)



ELECTRICAL POWER COMPONENTS - 36/48 V BC3-5
(2004 AND EARLIER)
99050 CONTROLLER

ITEM #	CPC PART #	DESCRIPTION	QTY FOR 36 VOLT SYSTEMS	QTY FOR 48 VOLT SYSTEMS	SI PART #
1	71408-96	BUZZER, REVERSE - 9-48 V DC	1	1	709038
2	71455-01	CONTACTOR WITH MOUNTING BRACKET - 24 V	1	1	709166
3		SWITCH, SPEED ASSY (REPLACED BY 70061-00B - SEE WIRING DIAGRAM - 48 V ACE PLUS BC3&4, 2006 AND NEWER, 633T45303 CONTROLLER)	1	1	719461
4	47892-04R	CONTROLLER, SEVCON SEP-EX, REGEN PRO (AVAILABLE AS REMANUFACTURED PRODUCT ONLY)	1	1	719293
5	69304-04	MOTOR, ELECTRIC, 48V, SEP EX, SHAFT OUTPUT	1	1	719370
6	66501-03	CHARGER, DELTA Q, 36V SEALED	1	-	719248
	66583-03	CHARGER, DELTA Q, 48V SEALED	-	1	719249
7	66015-03	BATTERY, 6V, DEEP CYCLE, (US 2200)	6	8	719229
	66005-03	BATTERY, 6V DEEP CYCLE HD, (US-145) - OPTIONAL			719231
8	71730-01	KEYSWITCH, UNIVERSAL, W/HARDWARE (AVAILABLE IN KEYSETS "A, B, C, D, E")	1	1	709040
*	71733-04	NON-REMOVABLE KEY (OPTIONALLY USED WITH ITEM 8 - ONLY AVAILABLE IN KEYSET "A")	1	1	719432
9	71516-01	SWITCH - TOW/RUN	1	1	709165
10	75033-91	HOURLMETER (OPTIONAL)	1	1	709452
11	75052-01	BDI METER, 36V, DIGITAL	1	-	709578
	75053-01	BDI METER, 48V, DIGITAL	-	1	709183
12	71511-87A	SWITCH, ROCKER, ILLUMINATED SPST	1	1	709412
13		HARNESS, MAIN (REPLACED BY 70078-06 - SEE WIRING DIAGRAM - 48 V ACE PLUS BC2, 2006 AND NEWER, 633T45303 CONTROLLER)	1	1	719369
*	74596-02	FUSE, 10 AMP (ATC/ATO) (INCLUDED WITH ITEM 13 - SEE WIRING DIAGRAM - 48 V ACE PLUS BC2, 2006 AND NEWER, 633T45303 CONTROLLER FOR FUSE CONFIGURATION IN HARNESS 70078-06)	1	1	709786

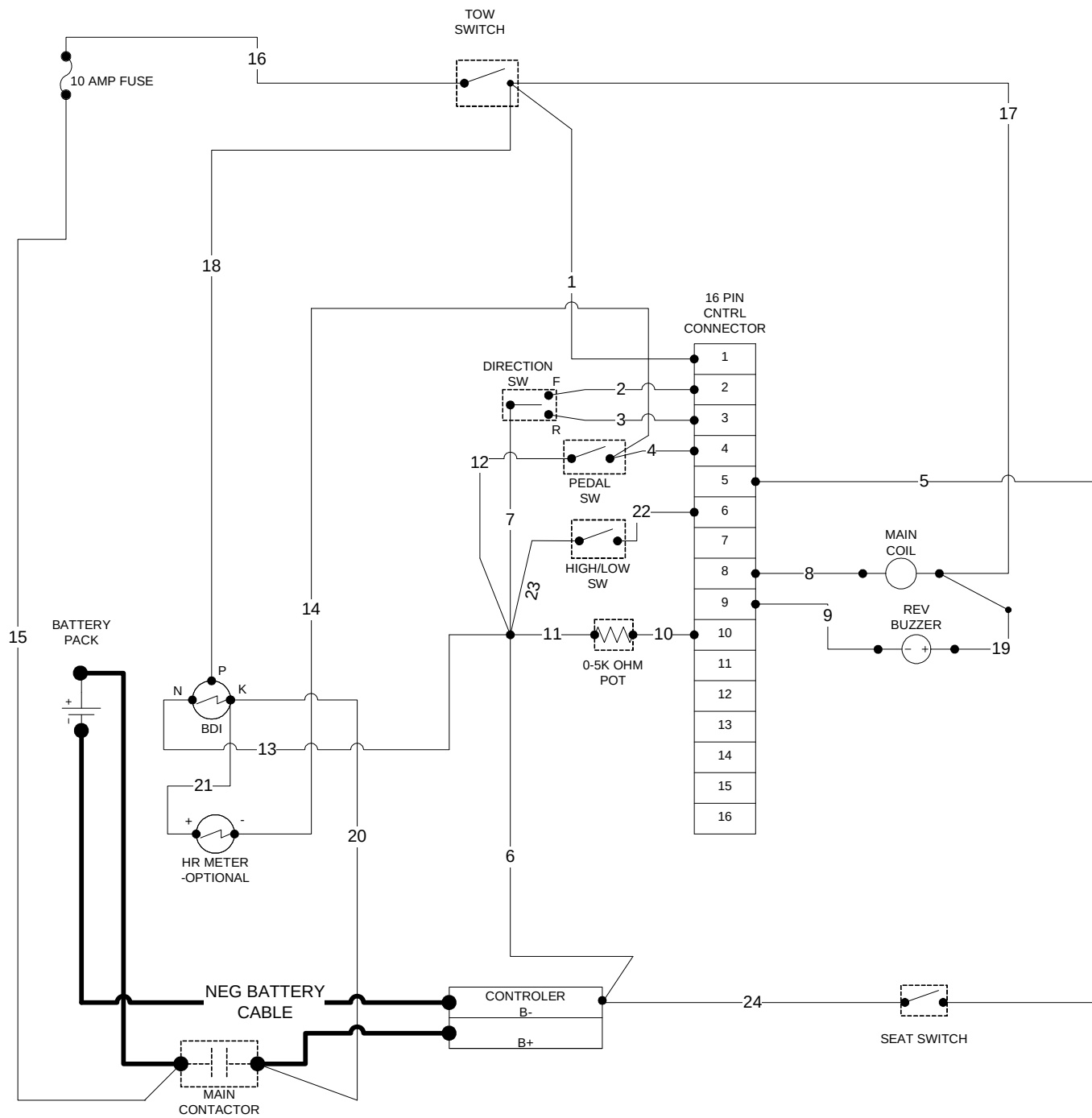
* ITEM NOT SHOWN

ELECTRICAL POWER COMPONENTS - 36/48 V BC3-5
(2004 AND EARLIER)
99050 CONTROLLER

ITEM #	CPC PART #	DESCRIPTION	QTY FOR 36 VOLT SYSTEMS	QTY FOR 48 VOLT SYSTEMS	SI PART #
14	70099-88	CABLE ASSY - 4GA X 8.75"	5	7	709004
15	70105-89	CABLE ASSY, 4 GA X 61.50	1	1	709411
*	71581-84	MARKER, POSITIVE (+) (USED WITH ITEM 15)	2	2	749180
16	70105-89	CABLE ASSY, 4 GA X 61.50	1	1	709411
17	70447-90	CABLE, 6 GA. 14"; 5/16" TERM	1	1	709033
*	32971-67	MARKER, A1 (USED WITH ITEM 17)	2	2	719601
18	70443-01	CABLE, 6 GA 18", 5/16, 1/4 Term	1	1	709215
*	32972-04	MARKER, F1 (USED WITH ITEM 18)	2	2	719331
19	70443-01	CABLE, 6 GA 18", 5/16, 1/4 Term	1	1	709215
*	32973-04	MARKER, F2 (USED WITH ITEM 19)	2	2	719330
20	70447-90	CABLE, 6 GA. 14"; 5/16" TERM	1	1	709033
*	71581-84	MARKER, POSITIVE (+) (USED WITH ITEM 20)	2	2	749180
21	70448-90	CABLE, 6 GA. 20"; 5/16" TERM	1	1	709012
*	32970-67	MARKER, A2 (USED WITH ITEM 21)	2	2	719600

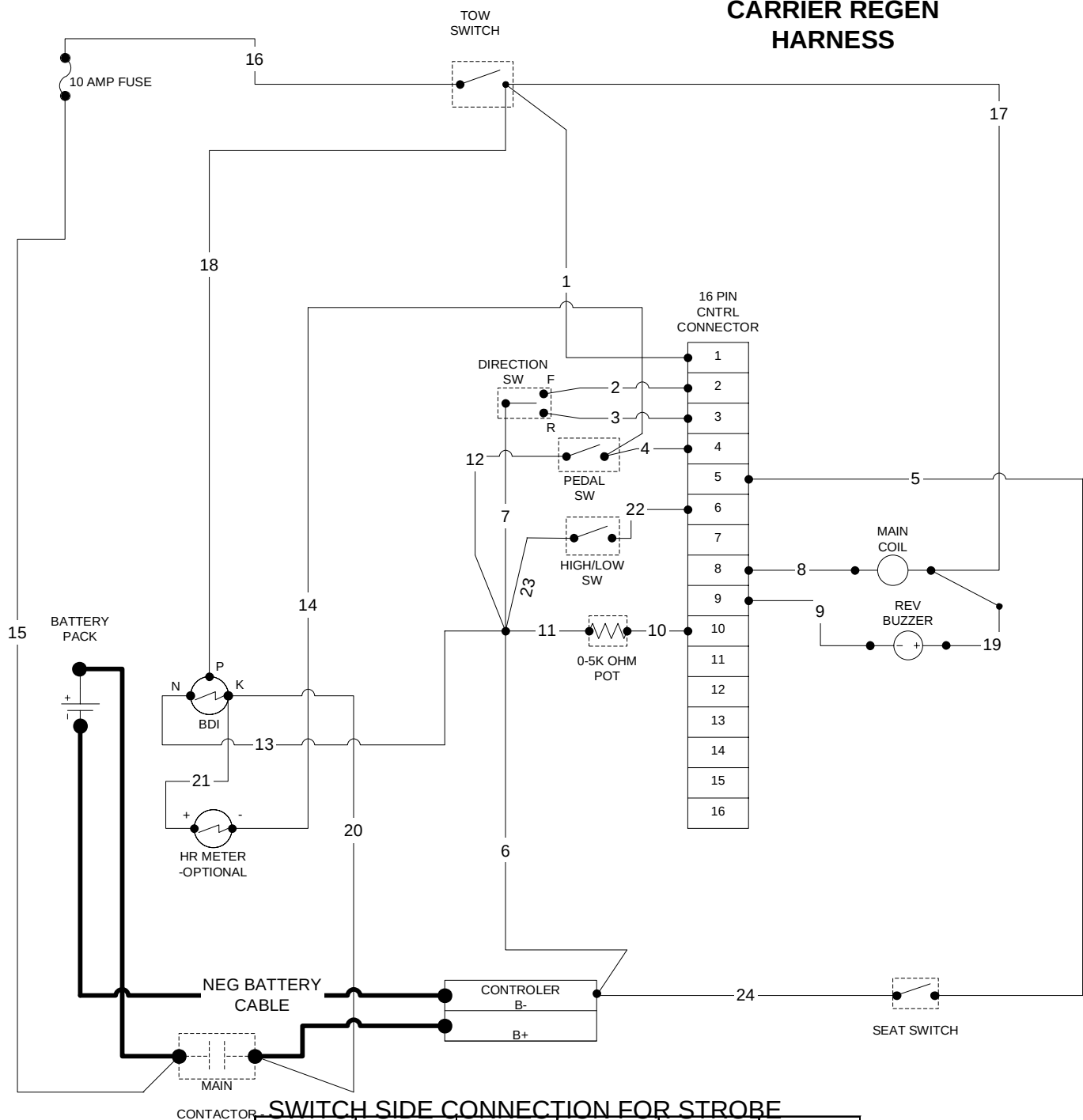
* ITEM NOT SHOWN

ELECTRICAL SCHEMATIC - 36/48 V BC3-5
(2004 AND EARLIER)
99050 CONTROLLER



CIRCUIT NO.	WIRE COLOR	CIRCUIT NO.	WIRE COLOR	CIRCUIT NO.	WIRE COLOR
1	RED	10	WHT	19	YEL
2	GRN	11	BLK	20	WHT
3	GRY	12	BLK	21	WHT
4	BLK	13	BLK	22	BLK
5	BLK	14	BLK	23	BLK
6	BLK	15	RED	24	BLK
7	BLK	16	RED		
8	BLK	17	RED		
9	BLK	18	RED		

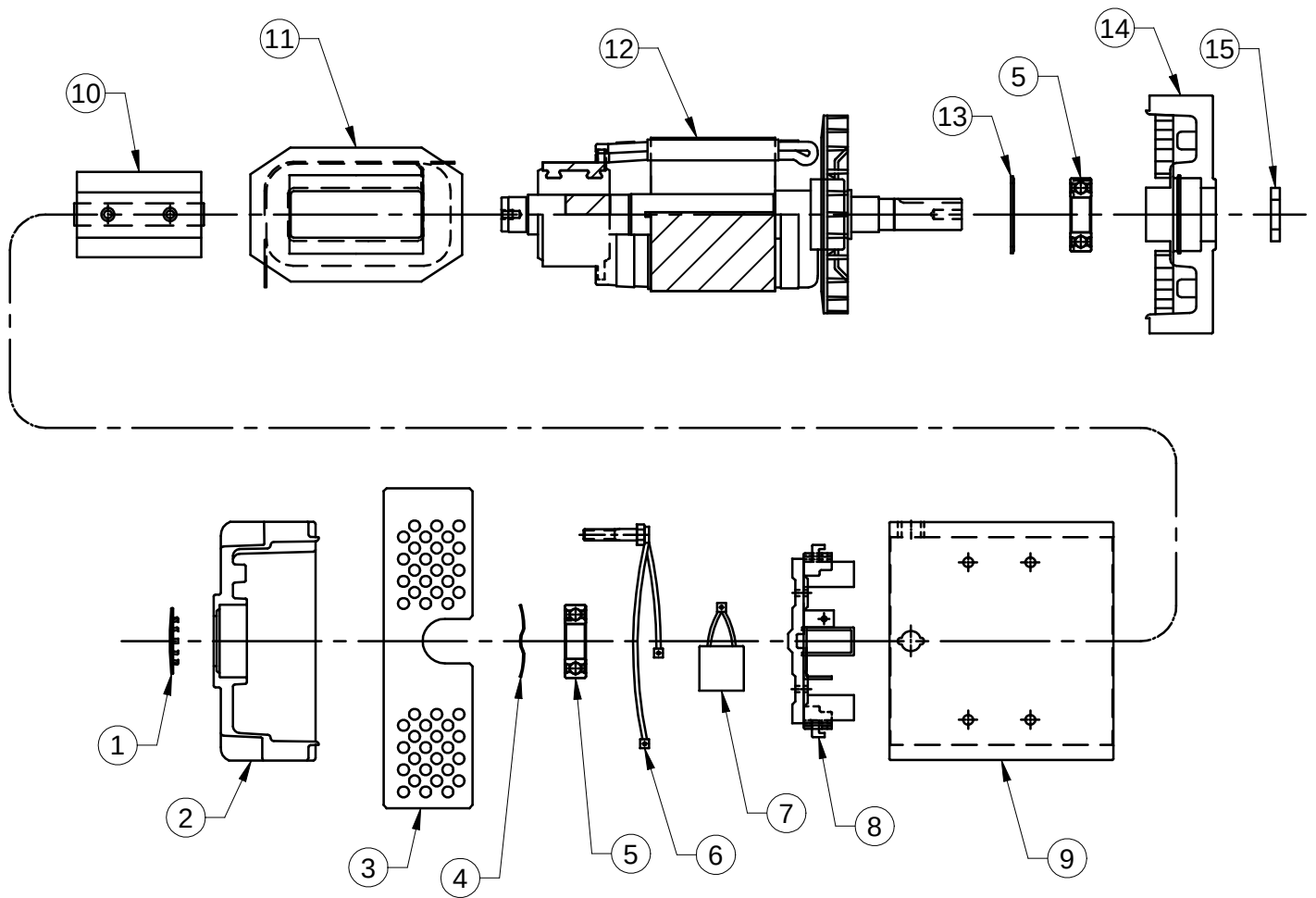
719369-00 BURDEN
CARRIER REGEN
HARNESS



SWITCH SIDE CONNECTION FOR STROBE

CIRCUIT NO.	WIRE COLOR	CIRCUIT NO.	WIRE COLOR	CIRCUIT NO.	WIRE COLOR
1	RED	10	WHT	19	YEL
2	GRN	11	BLK	20	WHT
3	GRY	12	BLK	21	WHT
4	BLK	13	BLK	22	BLK
5	BLK	14	BLK	23	BLK
6	BLK	15	RED	24	BLK
7	BLK	16	RED		
8	BLK	17	RED		
9	BLK	18	RED		

MOTOR, SEP EX, SHAFT OUTPUT



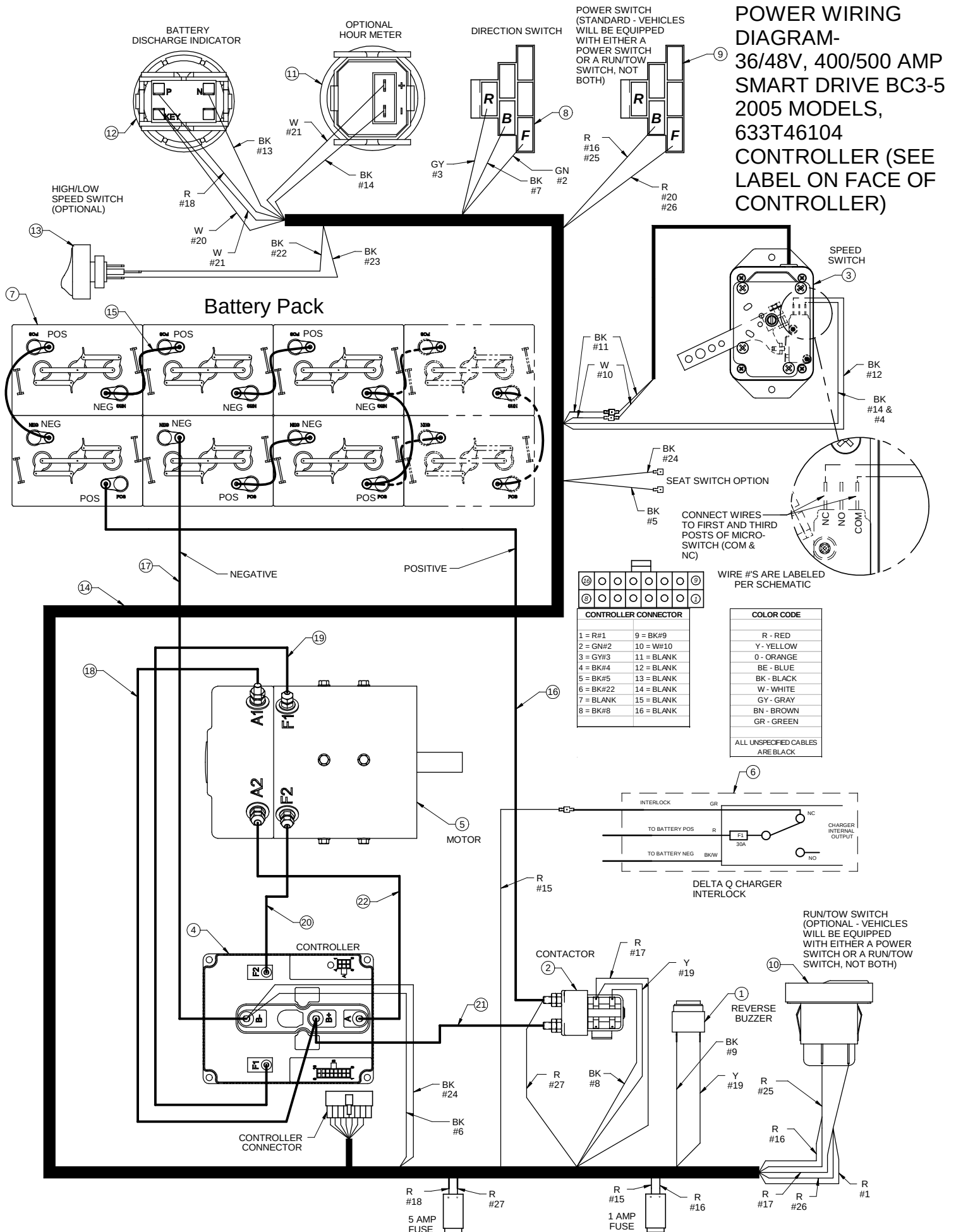
MOTOR, SEP EX, SHAFT OUTPUT

ITEM	CPC PART #	DESCRIPTION	QTY.	SI PART #
1		(SEE NOTE 1) HOLE PLUG	1	---
2		(SEE NOTE 1) COMMUTATOR END HEAD (SEE NOTE 2)	1	---
3		(SEE NOTE 1) HEAD BAND (SEE NOTE 2)	1	---
4		(SEE NOTE 1) WAVY WASHER	1	---
5		(SEE NOTE 1) BEARING	2	---
6		(SEE NOTE 1) LEAD WIRE ASSY. (SEE NOTE 2)	2	---
7	30404-06	BRUSH (SEE NOTE 2)	4	759782
8	30403-06	BRUSH BOX ASSY. (SEE NOTE 2)	1	759781
9		(SEE NOTE 1) MOTOR FRAME	1	---
10		(SEE NOTE 1) POLE SHOE ASSY. (SEE NOTE 2)	4	---
11		(SEE NOTE 1) SHUNT COIL ASSEMBLY (SEE NOTE 2)	1	---
12		(SEE NOTE 1) ARMATURE ASSY.	1	---
13		(SEE NOTE 1) RETAINING RING	1	---
14		(SEE NOTE 1) DRIVE END HEAD (SEE NOTE 2)	1	---
15		(SEE NOTE 1) OIL SEAL	1	---
16*	69304-04	MOTOR, COMPLETE (INCLUDES ITEMS 1-15)	-	719370

* ITEM NOT SHOWN

NOTES:

1. ONLY AVAILABLE AS SPECIAL ORDER
2. ITEM INCLUDES ALL NECESSARY FASTENERS



ELECTRICAL POWER COMPONENTS - 36/48 V, 400/500 AMP BC3-5
(2005 MODELS)
633T46104 CONTROLLER

ITEM #	CPC PART #	DESCRIPTION	QTY FOR 36 VOLT SYSTEMS	QTY FOR 48 VOLT SYSTEMS	SI PART #
1	71408-96	BUZZER, REVERSE - 9-48 V DC	1	1	709038
2	71455-01	CONTACTOR WITH MOUNTING BRACKET - 24 V	1	1	709166
3	70061-00B	SWITCH, SPEED ASSY	1	1	719461
4	74897-02	CONTROLLER, SEVCON SEP-EX, SMART DRIVE, 400 A	1	1	719095
5	69304-04	MOTOR, ELECT., 48V, SEP EX, SHAFT OUTPUT	1	1	719370
6	66501-03	CHARGER, DELTA Q, 36V SEALED	1	-	719248
	66583-03	CHARGER, DELTA Q, 48V SEALED	-	1	719249
7	66015-03	BATTERY, 6V, DEEP CYCLE, (US 2200)	6	8	719229
	66005-03	BATTERY, 6V DEEP CYCLE HD, (US-145) - OPTIONAL			719231
8	71730-01	KEYSWITCH, UNIVERSAL W/HARDWARE	1	1	709040
*	71733-04	NON-REMOVABLE KEY (USED WITH ITEM 8)	1	1	719432
9	71730-01	KEYSWITCH, UNIVERSAL, W/HARDWARE (REPLACES ITEM 10 IN 2005 MODELS - AVAILABLE IN KEYSETS "A, B, C, D, E")	1	1	709040
10	71516-01	SWITCH - TOW/RUN (OPTIONAL)	1	1	709165
11	75033-91	HOURLY METER (OPTIONAL)	1	1	709452
12	75052-01	BDI METER, 36V, DIGITAL	1	-	709578
	75053-01	BDI METER, 48V, DIGITAL	-	1	709183
13	71511-87A	SWITCH, ROCKER, ILLUMINATED SPST	1	1	709412
14	70069-03	HARNESS, MAIN	1	1	719369
*	75594-04	FUSE, 1 AMP (ATC/ATO) (INCLUDED WITH ITEM 14)	1	1	719444
*	75593-04	FUSE, 5 AMP (ATC/ATO) (INCLUDED WITH ITEM 14)	1	1	719445

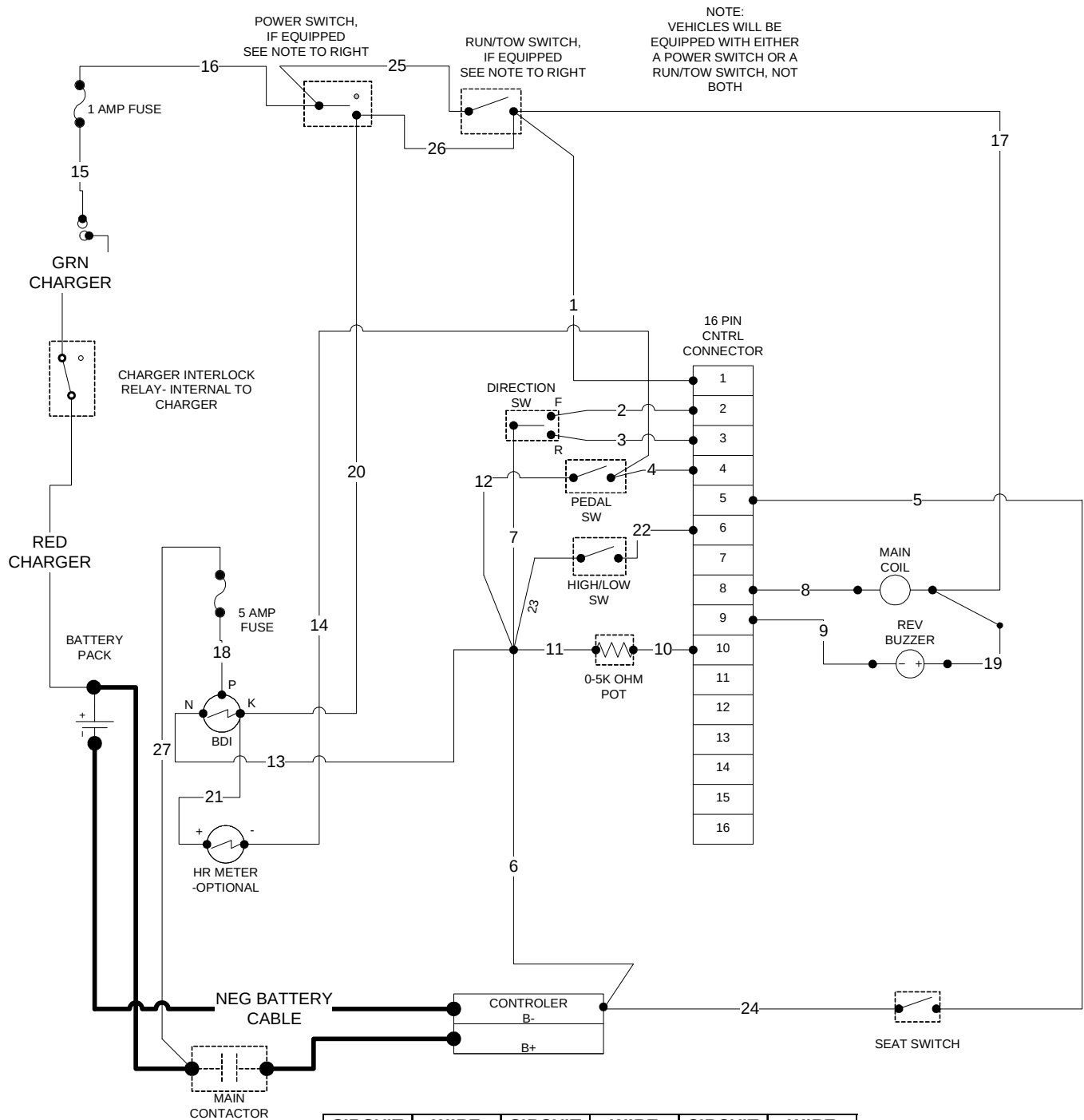
* ITEM NOT SHOWN

ELECTRICAL POWER COMPONENTS - 36/48 V, 400/500 AMP BC3-5
(2005 MODELS)
633T46104 CONTROLLER

ITEM #	CPC PART #	DESCRIPTION	QTY FOR 36 VOLT SYSTEMS	QTY FOR 48 VOLT SYSTEMS	SI PART #
15	70099-88	CABLE ASSY - 4GA X 8.75"	5	7	709004
16	70105-89	CABLE ASSY, 4 GA X 61.50	1	1	709411
*	71581-84	MARKER, POSITIVE (+) (USED WITH ITEM 16)	2	2	749180
17	70105-89	CABLE ASSY, 4 GA X 61.50	1	1	709411
18	70447-90	CABLE, 6 GA. 14"; 5/16" TERM	1	1	709033
*	32971-67	MARKER, A1 (USED WITH ITEM 18)	2	2	719601
19	70443-01	CABLE, 6 GA 18", 5/16, 1/4 Term	1	1	709215
*	32972-04	MARKER, F1 (USED WITH ITEM 19)	2	2	719331
20	70443-01	CABLE, 6 GA 18", 5/16, 1/4 Term	1	1	709215
*	32973-04	MARKER, F2 (USED WITH ITEM 20)	2	2	719330
21	70447-90	CABLE, 6 GA. 14"; 5/16" TERM	1	1	709033
*	71581-84	MARKER, POSITIVE (+) (USED WITH ITEM 21)	2	2	749180
22	70448-90	CABLE, 6 GA. 20"; 5/16" TERM	1	1	709012
*	32970-67	MARKER, A2 (USED WITH ITEM 22)	2	2	719600

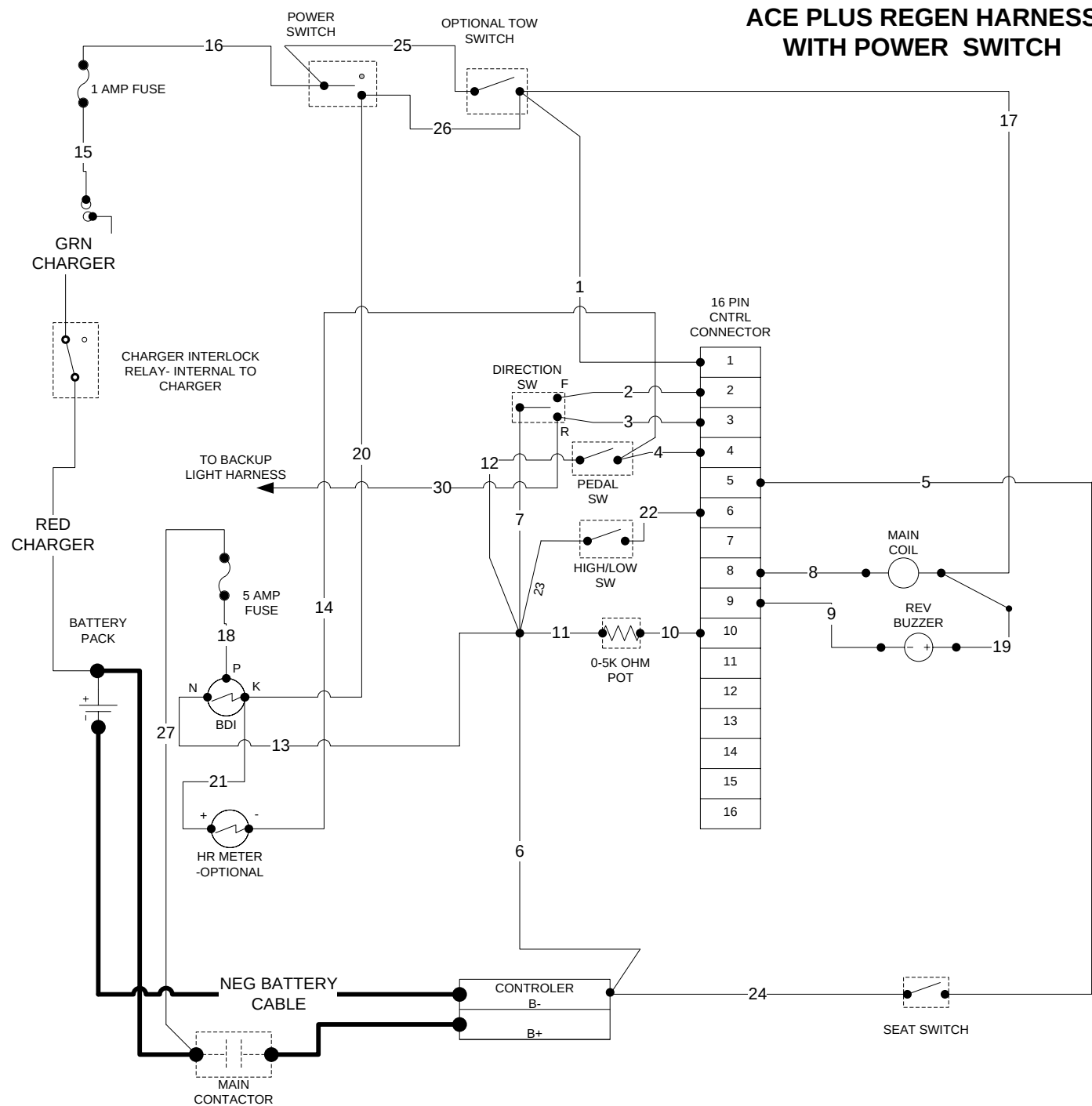
* ITEM NOT SHOWN

**ELECTRICAL SCHEMATIC - 36/48 V, 400/500 AMP BC3-5
(2005 MODELS)
633T46104 CONTROLLER**



CIRCUIT NO.	WIRE COLOR	CIRCUIT NO.	WIRE COLOR	CIRCUIT NO.	WIRE COLOR
1	RED	10	WHT	19	YEL
2	GRN	11	BLK	20	WHT
3	GRY	12	BLK	21	WHT
4	BLK	13	BLK	22	BLK
5	BLK	14	BLK	23	BLK
6	BLK	15	RED	24	BLK
7	BLK	16	RED	25	RED
8	BLK	17	RED	26	RED
9	BLK	18	RED	27	RED

719369-01 BURDEN CARRIER
ACE PLUS REGEN HARNESS
WITH POWER SWITCH



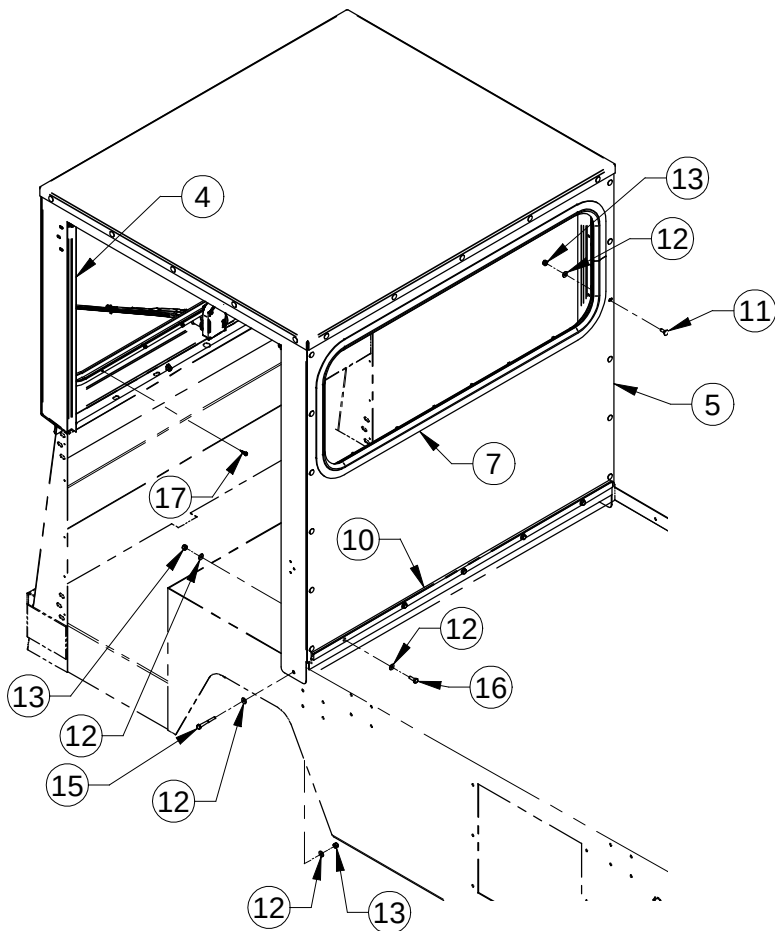
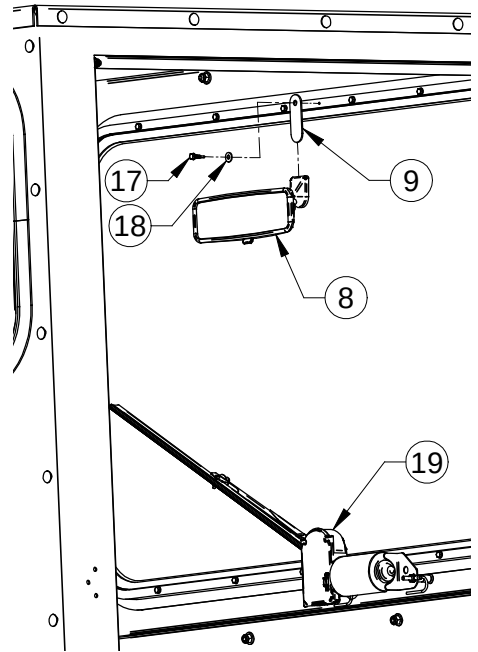
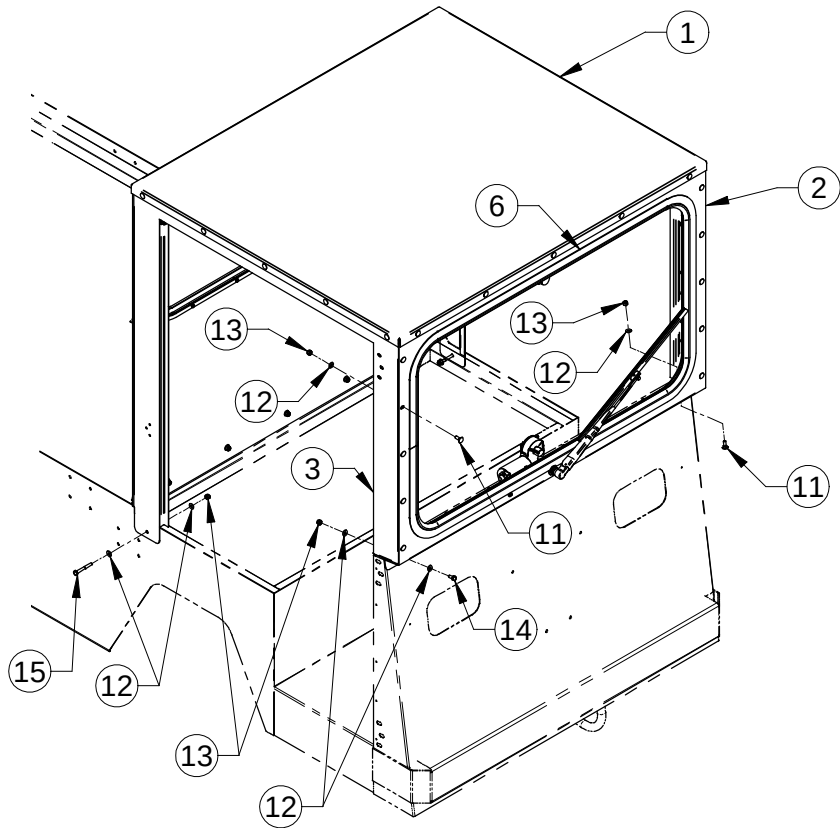
CIRCUIT NO.	WIRE COLOR	CIRCUIT NO.	WIRE COLOR	CIRCUIT NO.	WIRE COLOR
1	RED	10	WHT	19	YEL
2	GRN	11	BLK	20	WHT
3	GRY	12	BLK	21	WHT
4	BLK	13	BLK	22	BLK
5	BLK	14	BLK	23	BLK
6	BLK	15	RED	24	BLK
7	BLK	16	RED	25	RED
8	BLK	17	RED	26	RED
9	BLK	18	RED	27	RED

Parts Manual

Section 6

Options

BURDEN CARRIER CAB OPTION, 2005 AND EARLIER

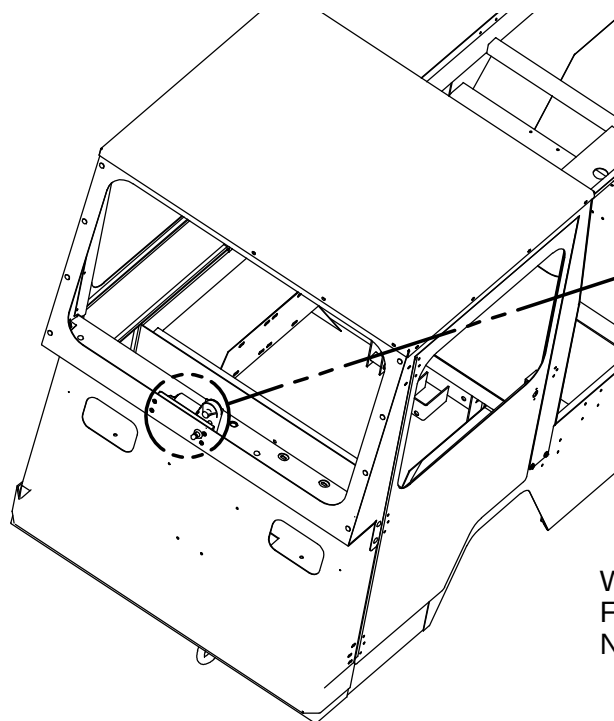


BURDEN CARRIER CAB OPTION, 2005 AND EARLIER

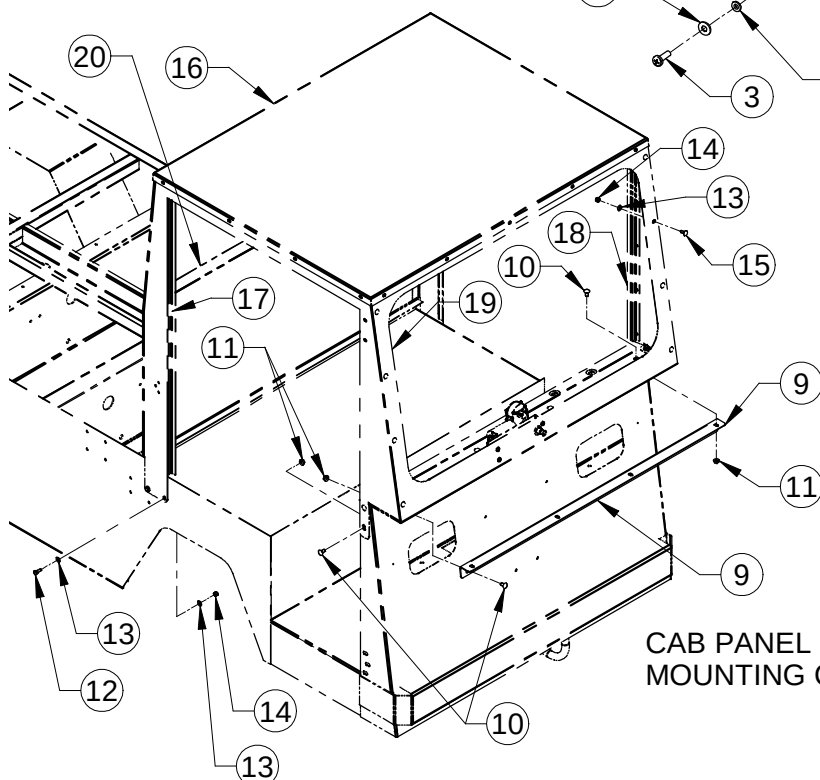
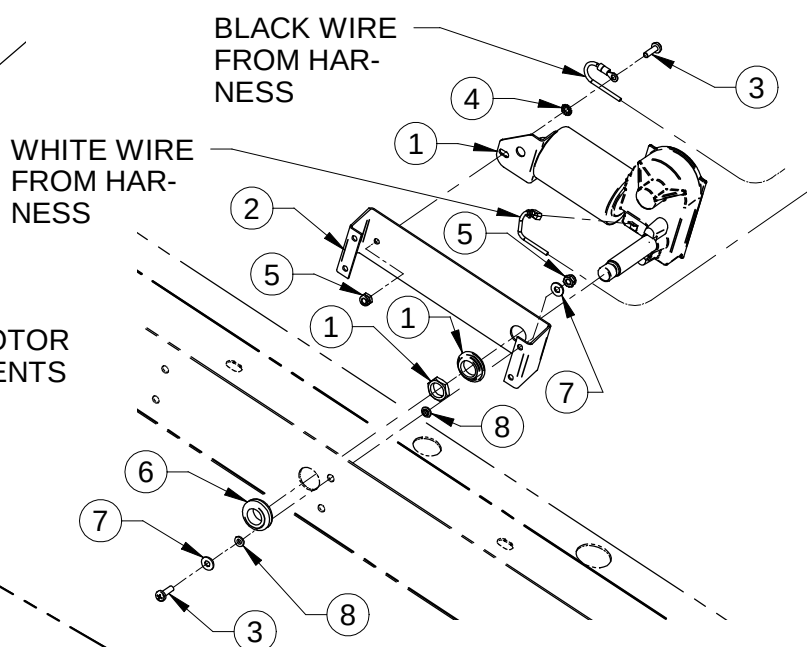
ITEM	PART #	DESCRIPTION	QTY
1	90656-00	CAB TOP PANEL	1
2	90655-00	CAB FRONT PANEL	1
3	90653-00	CAB SIDE PANEL, R.H.	1
4	90652-00	CAB SIDE PANEL, L.H.	1
5	90654-00	CAB REAR PANEL	1
6	90118-00	WINDOW, FRONT CAB ASSEMBLY	1
7	90117-00	WINDOW, REAR CAB ASSEMBLY	1
8	84120-92	MIRROR, REAR VIEW	1
9	84122-02	REAR VIEW MIRROR MOUNTING BRACKET	1
10	84110-ZZ	FOAM TAPE, .375"(T) X .75"(W), PSA	3.6FT
11	5405-B	CARRIAGE BOLT, 1/4-20 X 3/4, GR 5	42
12	6703-B	WASHER, 1/4, SAE FLAT	64
13	7686	NUT 1/4-20, NE NYLOC GR A	53
14	3767-B	SCREW, 1/4-20 X 5/8, HHCS, GR5	4
15	2821	SCREW, 1/4-20 X 2 1/4 HHCS, GR 5	2
16	3787-B	SCREW, 1/4-20 X 3/4, HHCS, GR5	5
17	2653-B	SCREW, #10 X 3/4, HWH TEK #3	41
18	6716	WASHER, #10, SAE FLAT	1
19	84166-00	KIT, WINDSHIELD WIPER	1
20*	84119-92	KIT REAR VIEW MIRROR (INCLUDES ITEMS 8, 9, 16, & 17)	1
21*	90628-01	KIT, BC STEEL CAB LESS DOORS (INCLUDES ITEMS 1 - 19)	1

* ITEM NOT SHOWN OR IDENTIFIED

BURDEN CARRIER CAB OPTION, 2006 & NEWER



WINDSHIELD WIPER MOTOR
& MOUNTING COMPONENTS



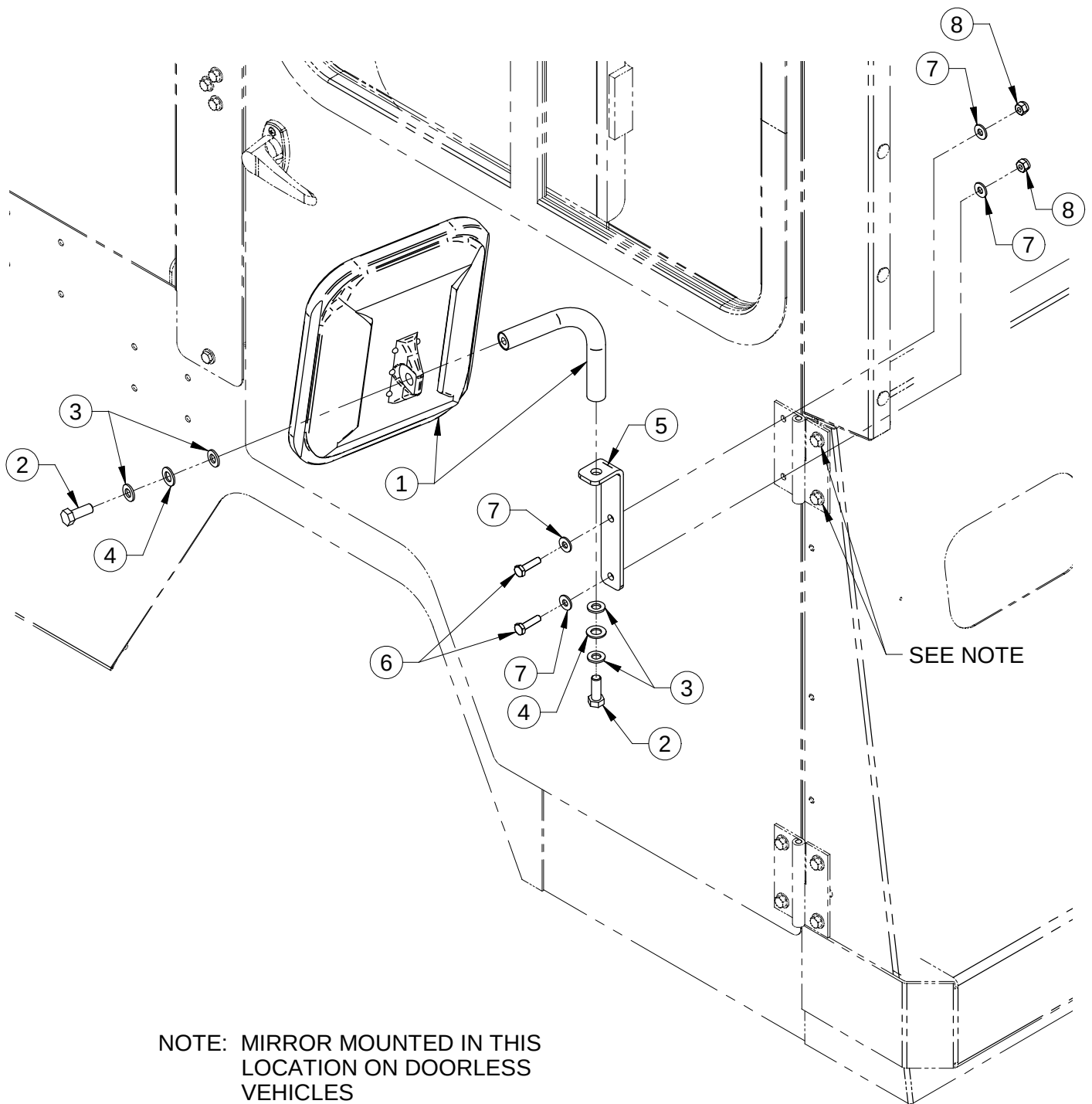
CAB PANEL HARDWARE &
MOUNTING COMPONENTS

BURDEN CARRIER CAB OPTION, 2006 & NEWER

ITEM	CPC PART #	DESCRIPTION	QTY	SI PART #
1	84111-92	MOTOR, WINDSHIELD WIPER (INCLUDES OUTPUT SHAFT NUT & CONTOURED WASHER)	1	709592
2	84173-06	BRACKET, WIPER MOUNT	1	511226
3	2665	SCREW, 10-24 X 5/8, PHILLIPS PHMS	5	719584
4	7220	WASHER, #10, EXTERNAL TOOTH LOCK	1	719851
5	7624	NUT, 10-24, NM, NYLOC, GR A	5	719870
6	11446	GROMMET, 5/8 X 1-1/8 X 3/8, 1/8GR, RUBBER	1	719529
7	6716	WASHER, #10, FLAT	8	719812
8	10510	BEARING, NYLON	8	709362
9	90657-05	BRACKET, ATTACHMENT - CAB FRONT	1	467424
10	5452-BS	BOLT, 5/16-18 X 5/8, CARRIAGE, GR 5	12	719751
11	7750	NUT, 5/16-18, HEX FLANGE, CENTER LOCK	12	719897
12	3787-B	SCREW, 1/4-20 X 3/4, HHCS, G5	4	719636
13	6703-B	WASHER, 1/4, SA, FLAT, STL	50	719811
14	7686	NUT, 1/4-20, NE, NYLOC, GR A	46	719879
15	5405-B	BOLT, 1/4-20 X 3/4, CARRIAGE, GR 5	42	719747
16	90656-05	PANEL, TOP, BC CAB	1	467428
17	90653-05	PANEL, SIDE, BC CAB, R.H.	1	467426
19	90652-05	PANEL, SIDE, BC CAB, L.H.	1	467425
18	90655-05	PANEL, FRONT, BC CAB	1	467427
20	90654-05	PANEL, REAR, CAB	1	467423
*21	90628-06	KIT, BC ANTI-GLARE CAB LESS DOORS (INCLUDES ITEMS 9-20)	1	191274U

*ITEM NOT SHOWN

BURDEN CARRIER SIDE MIRROR OPTION



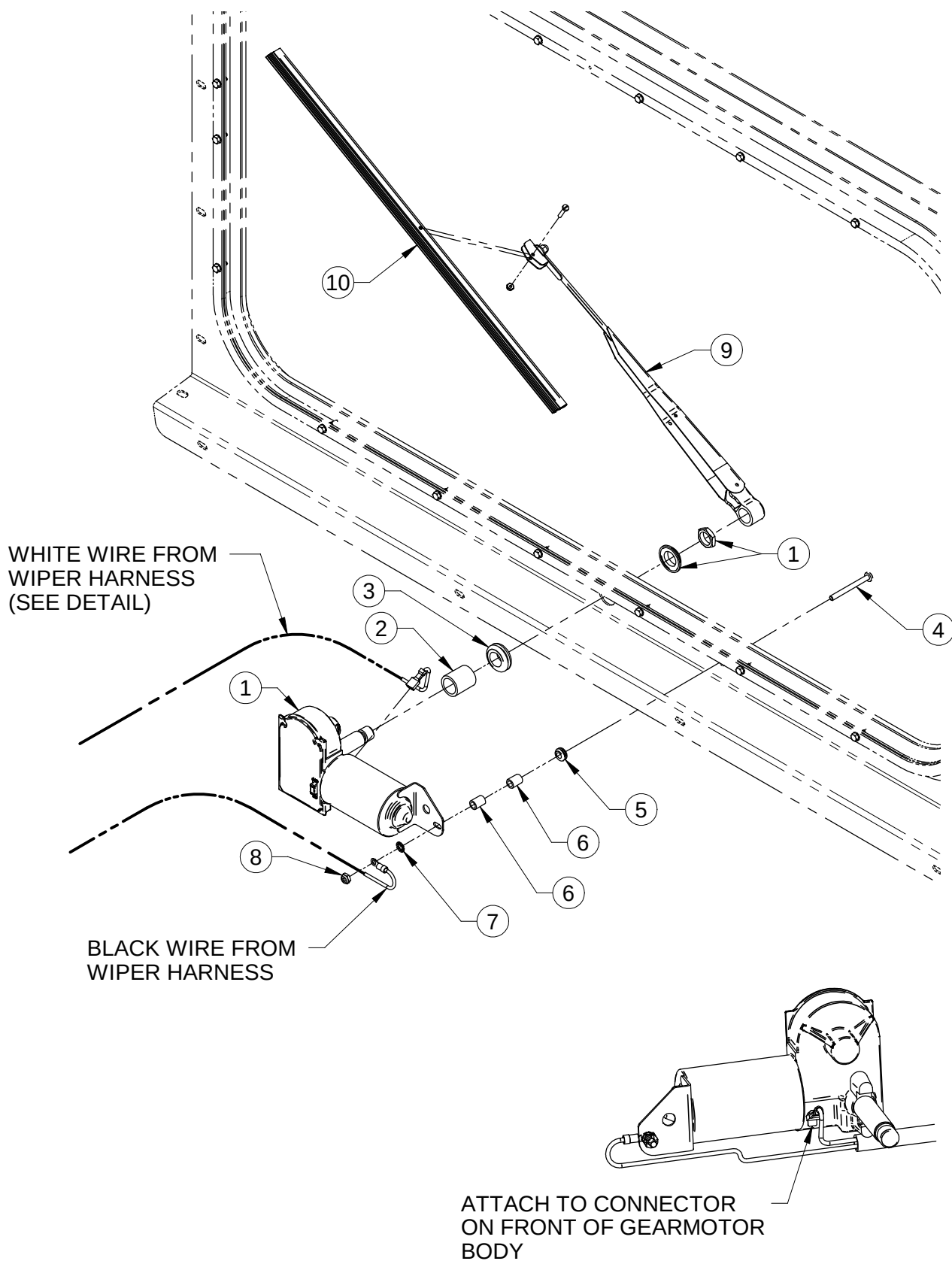
NOTE: MIRROR MOUNTED IN THIS LOCATION ON DOORLESS VEHICLES

BURDEN CARRIER SIDE MIRROR OPTION

ITEM	PART #	DESCRIPTION	QTY
1	91873-96	MIRROR, SIDE MOUNT, UNIVERSAL	1
2	2879-W	BOLT, 3/8-16 X 1, HHCS	2
3	708859-SW	WASHER, 3/8, SAE FLAT	4
4	42644-78	WASHER, .400/.380 ID X 1.10, NYLON FLAT	A/R
5	84172-05	BRACKET, MIRROR	1
6	2551-W	SCREW, 1/4-20 X 1, HHCS, GR 5	2
7	6703-B	WASHER, 1/4, SAE FLAT	4
8	7686	NUT, 1/4-20, NE NYLOC, GR A	2
9*	91869-00	KIT, BC SIDE MIRROR, SINGLE (INCLUDES ITEMS 1-8)	A/R

* ITEM NOT SHOWN

BC WINDSHIELD WIPER OPTION, 2005 AND EARLIER

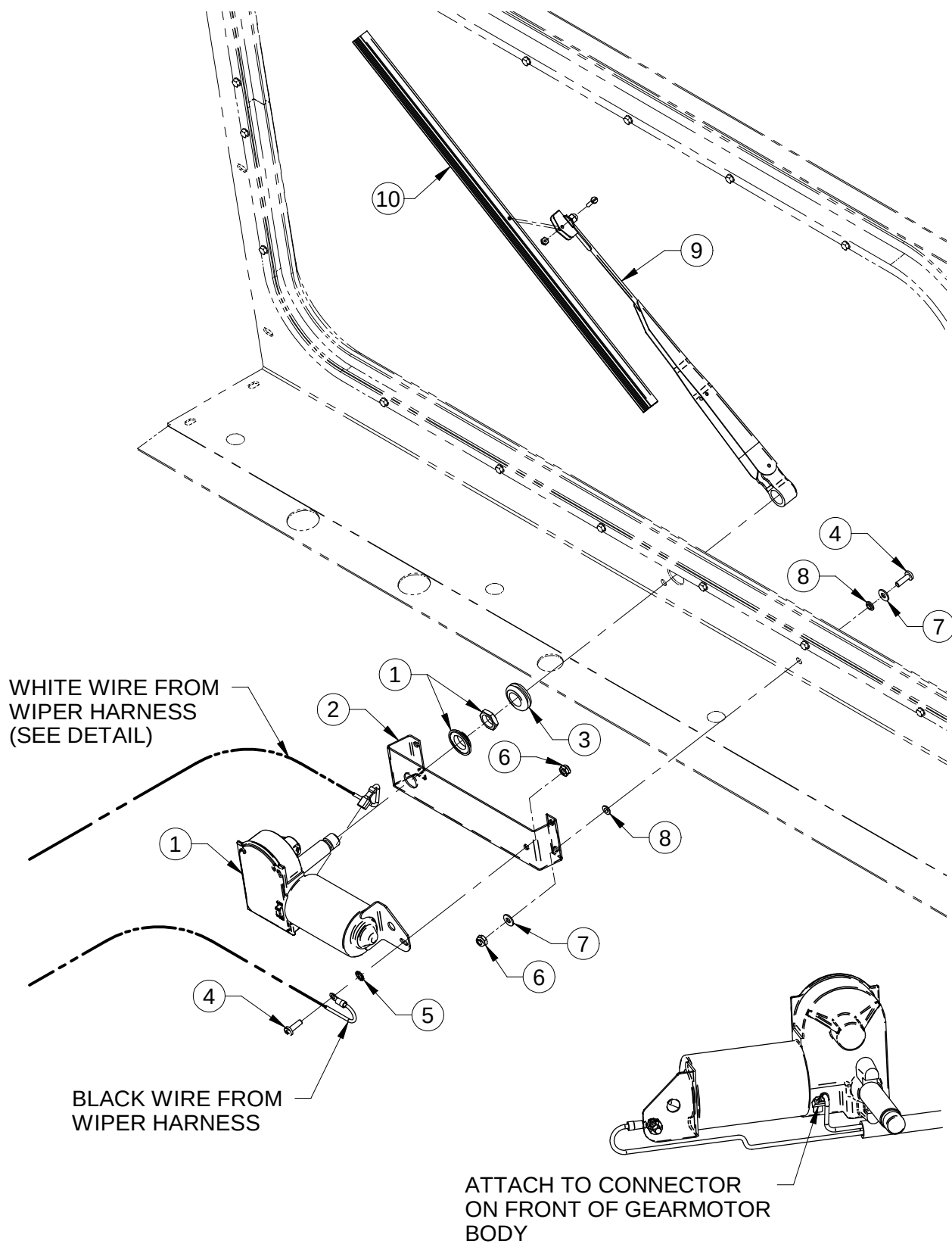


BC WINDSHIELD WIPER OPTION, 2005 AND EARLIER

ITEM	PART #	DESCRIPTION	QTY
1	84111-92	MOTOR, WINDSHIELD WIPER (INCLUDES SHAFT NUT AND CONTOURED WASHER)	1
2	5712	WIPER SPACER	1
3	11446	GROMMET, 5/8 X 1-1/8 X 3/8, 1/8 GROOVE	1
4	3477	SCREW, 10-24 X 2 PHILLIPS PHM	1
5	11409	GROMMET, RUBBER	1
6	58029-96	BUSHING - GROMMET, WINDSHIELD	2
7	7220	WASHER #10, EXTERNAL TOOTH LOCK	1
8	7626-W	NUT,10-32, NYLOC, GR A	1
9	84112-92	WIPER ARM	1
10	84113-92	WIPER BLADE	1
11*	68873-05	HARNESS, BC WINDSHIELD WIPER	1

* ITEMS NOT SHOWN

BC WINDSHIELD WIPER OPTION, 2006 AND NEWER



BC WINDSHIELD WIPER OPTION, 2006 AND NEWER

ITEM	PART #	DESCRIPTION	QTY
1	84111-92	MOTOR, WINDSHIELD WIPER (INCLUDES SHAFT NUT AND CONTOURED WASHER)	1
2	84173-06	WIPER MOUNTING BRACKET	1
3	11446	GROMMET, 5/8 X 1-1/8 X 3/8, 1/8 GROOVE	1
4	2665	SCREW, 10-24 X 5/8 PHILLIPS PHM	5
5	7220	WASHER, #10, EXTERNAL TOOTH LOCK	1
6	7624	NUT, 10-24, NYLOC, GR A	5
7	6716	WASHER, #10, SAE FLAT	8
8	10510	NYLON BEARING	8
9	84112-92	WIPER ARM (INCLUDES 5-40 X 5/8 SCREW & NYLOC NUT TO RETAIN BLADE)	1
10	84113-92	WIPER BLADE	1
11*	68873-05	HARNESS, BC WINDSHIELD WIPER	1
12*	84114-06	KIT, BC WINDSHIELD WIPER (INCLUDES ITEMS 1-8 & 11)	1

*ITEMS NOT SHOWN