



COLUMBIA

CUSTOM PLATFORM

PARTS MANUAL APRIL 2019



Columbia Vehicle Group, Inc.
A Nordic Group Company | Business Ventures Since 1947



PREFACE

Welcome, and congratulations on your choice of vehicle from Columbia Vehicle Group! Your vehicle has been designed and manufactured to conform to applicable sections of ANSI B56.8. Your safe use and operation of your vehicle is important to us. Any alteration of your Columbia vehicle that results in the vehicle being in noncompliance with applicable ANSI standards is strictly prohibited. Columbia Vehicle Group is not responsible or liable for any damage that results from any such alteration, and all warranties for any such altered vehicles are null and void.

Personal Transport Vehicles (PTV) are not designed for over-the-road use. They do not conform to Federal Motor Vehicle Safety Standards or EPA regulations, and are not equipped for operation on public streets, roads, or highways.

Low Speed Vehicles (LSV) commonly referred to as NEV or Neighborhood Electric Vehicles meet the requirements of the National Highway Traffic & Safety Administration (NHTSA) as stated in the Code of Federal Regulations, Title 49, Part 571, Standard 500, Low Speed Vehicles.

To the best knowledge of Columbia Vehicle Group, the material contained herein is accurate as of the date this publication was approved for printing. Columbia Vehicle Group is not liable for errors in this manual or for incidental or consequential damages that result from the use of the material in this manual. Columbia Vehicle Group reserves the right to change specifications, equipment or designs at any time without notice and without incurring obligation.

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NOTE: Items with * in tables indicates parts not shown in drawing

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COLUMBIA

CUSTOM PLATFORM

PARTS MANUAL SECTION 1

BRAKES

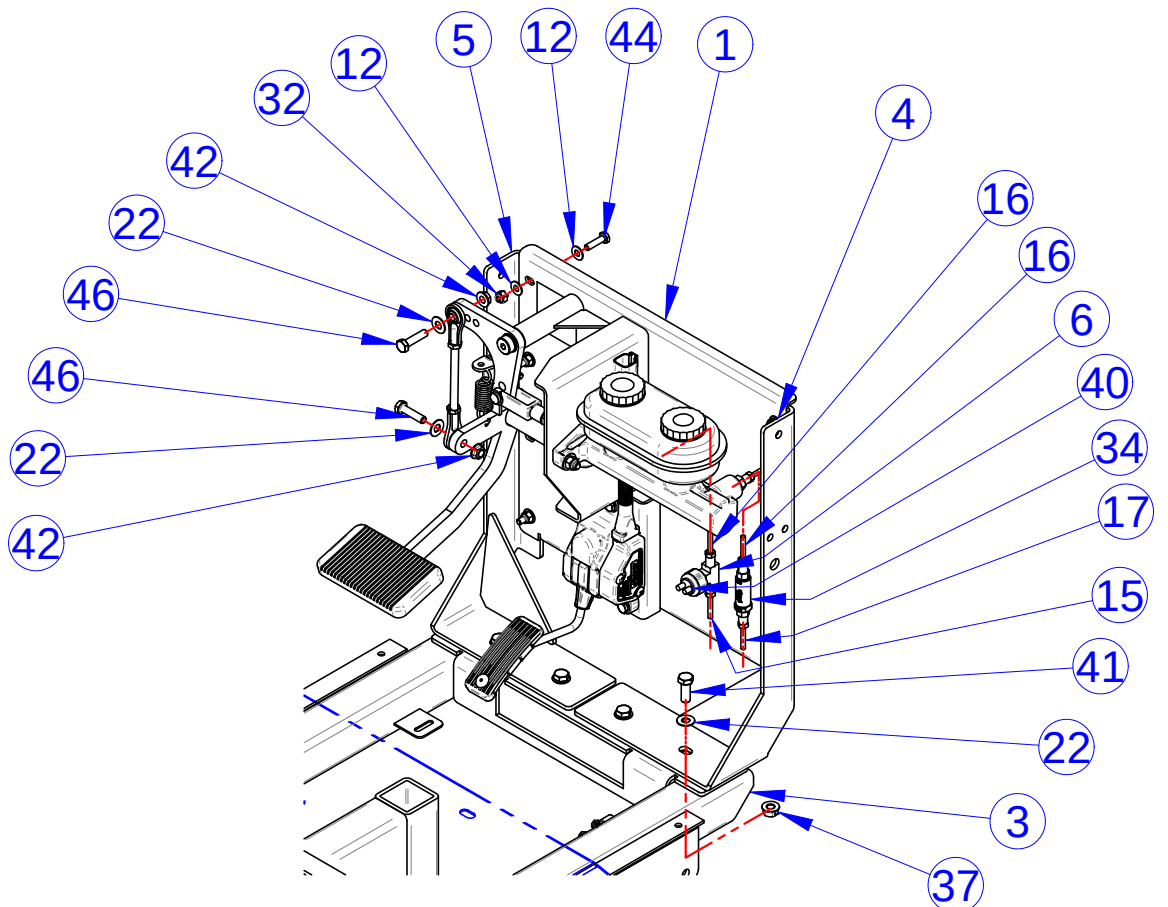
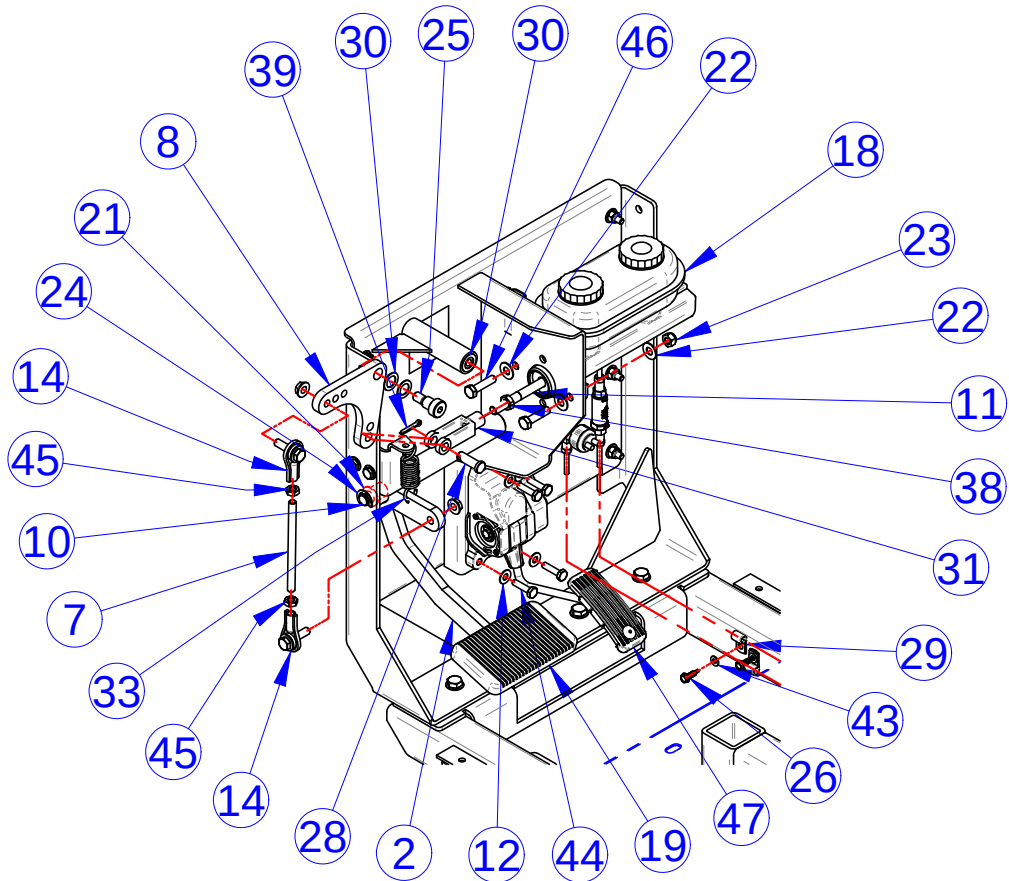


BRAKE PEDALS XXA

ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG309055	WLDMNT CNTRL TOWER - MVP	1	309055
2	CVG309063	WLDMT, BRAKE PEDAL	1	309063
3	NONE	PAINTED, MVP CHASSIS - SHORT	1	309122B
4	CVG309126	WLDM'T, CONTROL TOWER - RH	1	309126
5	CVG309127	WLDM'T, CONTROL TOWER - LH	1	309127
6	CVG508959	CONNECTOR, 3-WAY SWITCH	1	508959
7	CVG512198	ROD, BRAKE PULL - MVP	1	512198
8	CVG512225	BELLCRANK	1	512225
9*	CVG512226	STOP TAB, BRAKE PEDAL	1	512226
10	CVG512240	ROD, PEDAL PIVOT	1	512240
11	CVG512241	ROD - HYDR CYL	1	512241
12	CVG708511	WASHER, FLAT, 1/4", 18-8SS	22	708511
13*	CVG709377	UNION TEE, 3/16", HYD BRAKE TUBE	1	709377
14	CVG709450	ROD END - 5/16-24 UNF, FEM RH THD	2	709450
15	CVG709474	BRAKE LINE, 3/16 X 51	1	709474
16	CVG709601	BRAKE LINE, 3/16 X 8	5	709601
17	CVG709727	BRAKE LINE, 3/16 X 60	2	709727
18	CVG709806	MASTER CYLINDER - 1-1/6" TANDEM	1	709806
19	CVG709807	PAD, BRAKE PEDAL	1	709807
20*	CVG709828	ADAPTER, HYD BRAKE 1/2-20 TO 3/16"	1	709828
21	CVG719262	BEARING, FLANGED, 50"IDX.62"ODX.75"L	2	719262
22	CVG719375	WSHR, 5/16X0.750X0.040, F/W, 18-8S/S	12	719375
23	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	2	719377
24	CVG719515	E-RING, .562, BLK PHOS	2	719515
25	CVG719580	SCREW, 1/2X1/2X3/16-18, SHLDR, 18-8SS	1	719580
26	CVG719583	SCREW, 10-16X3/4, HWH, TEK, MAG525	5	719583
27*	CVG719657	FLARE, UNION INVERTED 3/16	2	719657
28	CVG719727	PIN, 3/8X1-1/8, CLEVIS, YWZC	1	719727
29	CVG719756	CLAMP, 1/4", STL TUBE, VINYL CUSHION	5	719756
30	CVG719800	WASHER .515X.812X.031	3	719800
31	CVG719855	CLEVIS #53 3/8-24 ADJ YOKE END YWZC	1	719855
32	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	9	719876
33	CVG759838	SPRING, EXT, .734" X 2.63" X .105", HD, ZC	1	759838
34	CVG759913	RESID PRESS VALVE -10 PSI W/ FTGS	1	759913
35*	CVG760122	HEAVY-DUTY CABLE TIE MOUNT	9	760122
36*	CVG760143	ADAPTER, HYD BRAKE 9/16-20 TO 3/16"	1	760143
37	CVG760721	NUT, 3/8-16, GR G, FLNG CTR LOCK, YWZC	4	760721
38	CVG761629	NUT, 3/8-24, HEX JAM, 18-8SS	1	761629
39	CVG761635	PIN, 1/8X1, COTTER, 18-8 SS	1	761635
40	CVG761789	SWITCH, BRAKE LIGHT, HYD	1	761789
41	CVG781786	SCR, 3/8-16 X 1, HHCS, 18-8SS	4	781786
42	CVG782543	NUT, 5/16-18, FLG, C-L/N, GF, MAGNI575WX	13	782543
43	CVG782722	WSHR, #10 X 0.438 X 0.031, F/W, 18-8SS	5	782722
44	CVG782785	SCREW, 1/4-20X1.0, HHCS, 18-8SS	13	782785
45	CVG782790	NUT, 5/16-24, JAM, 18-8SS	2	782790
46	CVG782841	SCREW, 5/16-18X1-1/4, HHCS, 18-8SS	6	782841

NOTE: Items with * in tables indicates parts not shown in drawing

BRAKE PEDALS XXA (CONTINUED)



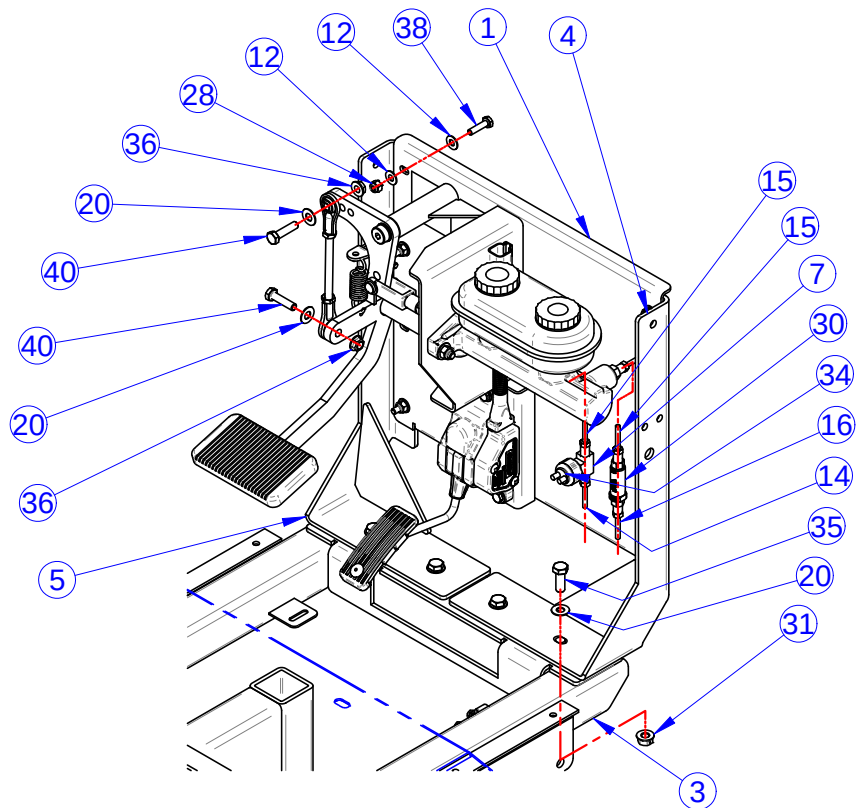
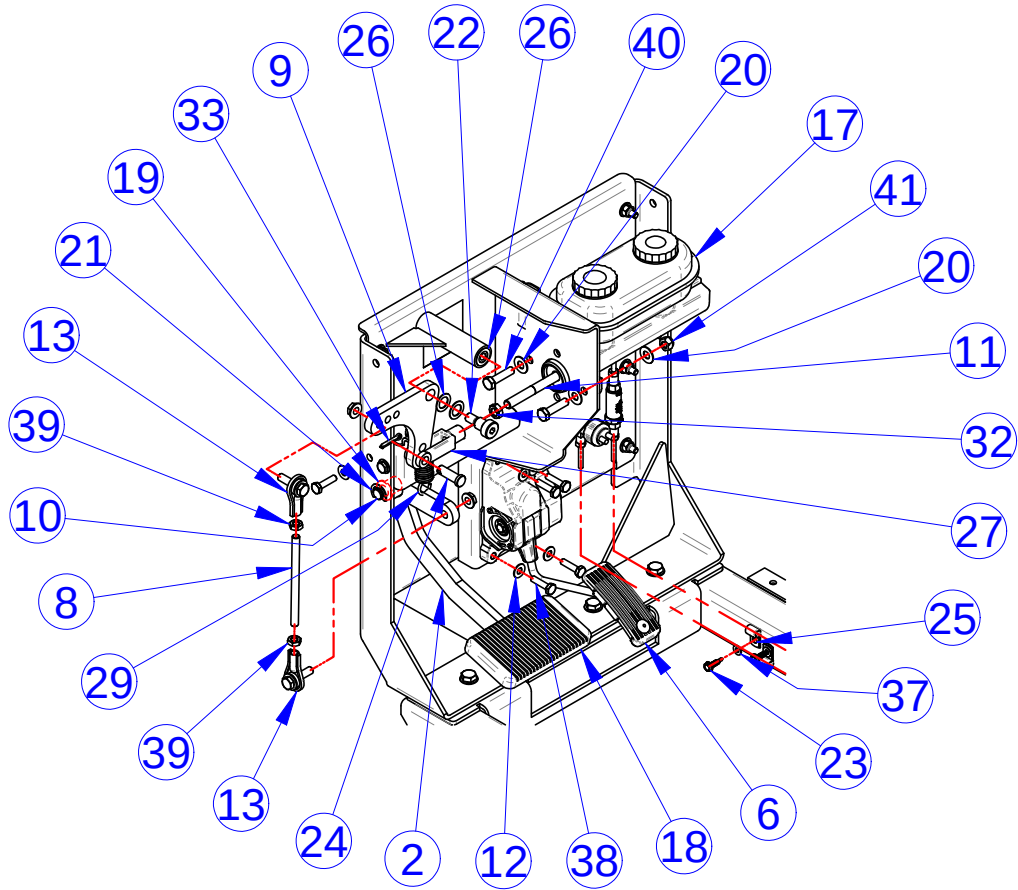
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BRAKE PEDALS XXXA

ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG309055	WLDMNT CNTRL TOWER - MVP	1	309055
2	CVG309063	WLDMT, BRAKE PEDAL	1	309063
3	CVG309098B	PAINTED, MVP CHASSIS - LONG	1	309098B
4	CVG309126	WLDMT, CONTROL TOWER - RH	1	309126
5	CVG309127	WLDMT, CONTROL TOWER - LH	1	309127
6	CVG468204	ASSY, PAD, SUSPENDED, UT	1	468204
7	CVG508959	CONNECTOR, 3-WAY SWITCH	1	508959
8	CVG512198	ROD, BRAKE PULL - MVP	1	512198
9	CVG512225	BELLCRANK	1	512225
10	CVG512240	ROD, PEDAL PIVOT	1	512240
11	CVG512241	ROD - HYDR CYL	1	512241
12	CVG708511	WASHER, FLAT, 1/4", 18-8SS	3	708511
13	CVG709450	ROD END - 5/16-24 UNF, FEM RH THD	2	709450
14	CVG709474	BRAKE LINE, 3/16 X 51	1	709474
15	CVG709601	BRAKE LINE, 3/16 X 8	2	709601
16	CVG709727	BRAKE LINE, 3/16 X 60	1	709727
17	CVG709806	MASTER CYLINDER - 1-1/6" TANDEM	1	709806
18	CVG709807	PAD, BRAKE PEDAL	1	709807
19	CVG719262	BEARING, FLANGED, .50"IDX.62"ODX.75"L	1	719262
20	CVG719375	WSHR, 5/16X0.750X0.040, F/W, 18-8S/S	5	719375
21	CVG719515	E-RING, .562, BLK PHOS	1	719515
22	CVG719580	SCREW, 1/2X1/2X3/16-18, SHLDR, 18-8SS	1	719580
23	CVG719583	SCREW, 10-16X3/4, HWH, TEK, MAG525	1	719583
24	CVG719727	PIN, 3/8X1-1/8, CLEVIS, YWZC	1	719727
25	CVG719756	CLAMP, 1/4", STL TUBE, VINYL CUSHION	1	719756
26	CVG719800	WASHER .515X.812X.031	2	719800
27	CVG719855	CLEVIS #53 3/8-24 ADJ YOKE END YWZC	1	719855
28	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	1	719876
29	CVG759838	SPRING, EXT, .734" X 2.63" X .105", HD, ZC	1	759838
30	CVG759913	RESID PRESS VALVE -10 PSI W/ FTGS	1	759913
31	CVG760721	NUT, 3/8-16, GR G, FLNG CTR LOCK, YWZC	1	760721
32	CVG761629	NUT, 3/8-24, HEX JAM, 18-8SS	1	761629
33	CVG761635	PIN, 1/8X1, COTTER, 18-8 SS	1	761635
34	CVG761789	SWITCH, BRAKE LIGHT, HYD	1	761789
35	CVG781786	SCR, 3/8-16 X 1, HHCS, 18-8SS	1	781786
36	CVG782543	NUT, 5/16-18, FLG, C-L/N, GF, MAGNI575WX	2	782543
37	CVG782722	WSHR, #10 X 0.438 X 0.031, F/W, 18-8SS	1	782722
38	CVG782785	SCREW, 1/4-20X1.0, HHCS, 18-8SS	2	782785
39	CVG782790	NUT, 5/16-24, JAM, 18-8SS	2	782790
40	CVG782841	SCREW, 5/16-18X1-1/4, HHCS, 18-8SS	3	782841

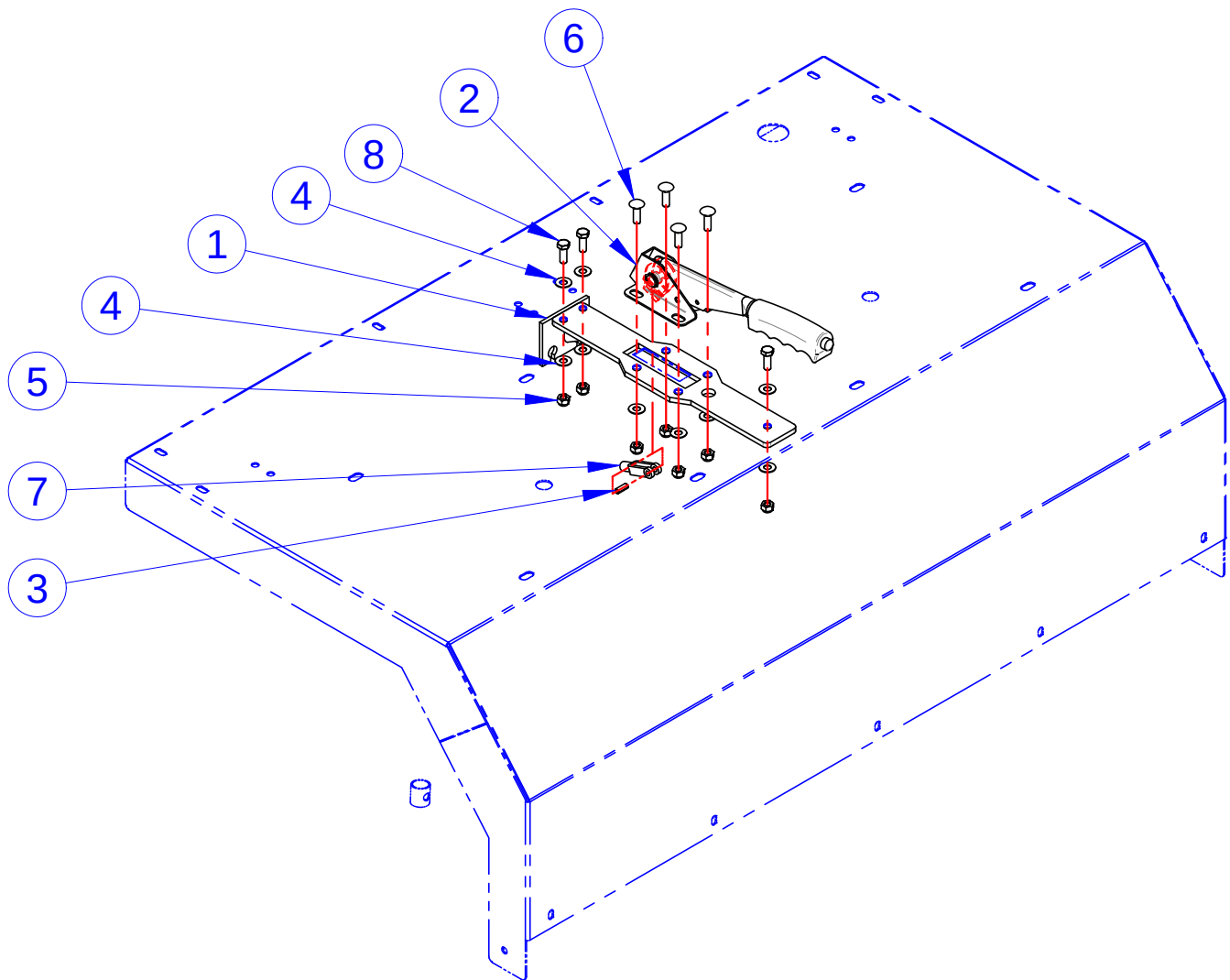
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BRAKE PEDALS XXXA (CONTINUED)



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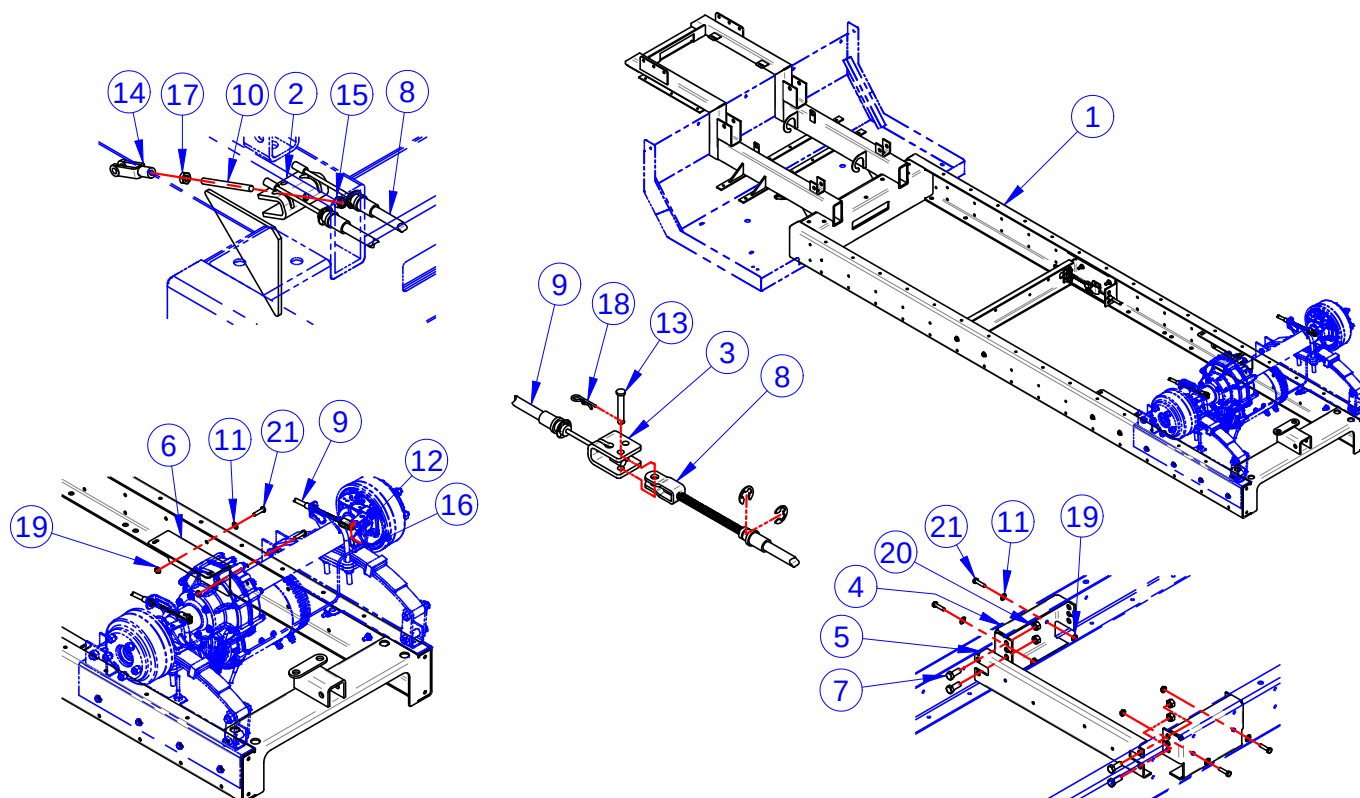
PARKING BRAKE



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG307526	WELDM'T, STIFFENER - SEAT BASE	1	307526
2	CVG509905	PRKNG BRAKE, MODIFIED-SEAT MT	1	509905
3	CVG719121	PIN, 1/4" X 5/8", ROLL, ZC	1	719121
4	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	10	719375
5	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	7	719377
6	CVG719744	SCREW,5/16-18X1,CARR,G5,MAGNI 525	4	719744
7	CVG719854	YOKE, CLEVIS, 1/4-28 ADJ, RH, CLR	1	719854
8	CVG782834	SCREW,5/16-18X7/8,HHSC,18-8SS	3	782834

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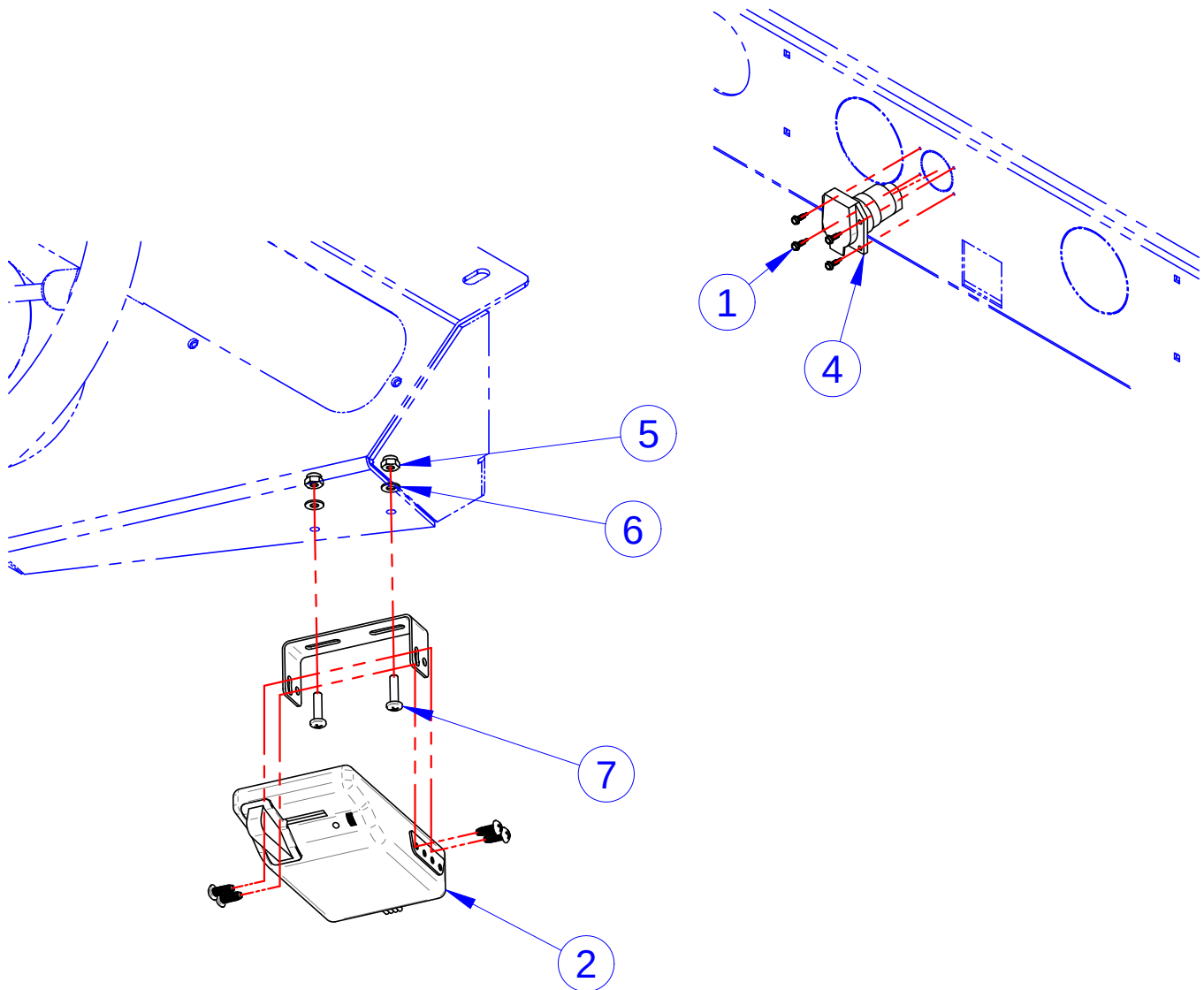
PARKING BRAKE CABLES



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG309098B	PAINTED, MVP CHASSIS - LONG	1	309098B
2	CVG509154PL	PLATED, BRAKE EQUALIZER	1	509154PL
3	NONE	BRAKE EQUALIZER - SINGLE	2	512237
4	CVG512249	MNT, BRKT - BRAKE CABLE	2	512249
5	CVG512250	STIFFENER, CHANNEL - MVP	1	512250
6	NONE	BRKT, HANGER MNT	2	512270
7	CVG709588	SCREW,1/2-13X1-1/4,HHCS,G5,ZC	4	709588
8	CVG709819	CABLE, BRAKE, 51"	2	709819
9	CVG719209	CABLE, BRAKE, 68.50"	2	719209
10	CVG719364	ROD, 1/4 - 28 X 3.00 LG	1	719364
11	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	8	719375
12	CVG719713	PIN,5/16X7/8,CLEVIS,YWZC150	2	719713
13	CVG719715	PIN,1/4X1-1/2,CLEVIS,BLK150	2	719715
14	CVG719854	YOKE, CLEVIS, 1/4-28 ADJ, RH, CLR	1	719854
15	CVG719877	NUT 1/4-28 GR A NE NYLON INSERT LCK	1	719877
16	CVG761635	PIN,1/8X1,COTTER,18-8 SS	2	761635
17	CVG761658	NUT,1/4-28,MACH,18-8 SS	1	761658
18	CVG781700	HAIR PIN CLIP,#13,SS	2	781700
19	CVG782543	NUT,5/16-18,FLG,C-L/N,GF,MAGNI575WX	8	782543
20	CVG782802	NUT,1/2-13,HEX,18-8 SS	4	782802
21	CVG782841	SCREW,5/16-18X1-1/4,HHCS, 18-8SS	8	782841

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TRAILER BRAKE CONTROLLER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG719583	SCREW,10-16X3/4,HWH,TEK,MAG525	4	719583
2	CVG760531	BRAKE CONTROL SYSTEM	1	760531
3*	NONE	WIRING HARNESS,BRAKE CONTROL	1	760533
4	CVG760572	WIRE HARNESS, MVP TRAILER RECPTACLE	1	760572
5	CVG761631	NUT, #10-24 GRD 18-8 NM SS NYLOCK	2	761631
6	CVG782722	WSHR, #10 X 0.438 X 0.031, F/W, 18-8SS	2	782722
7	CVG782729	SCR, #10-24 X 0.75, PPH, M/S, 18-8, S/S	2	782729

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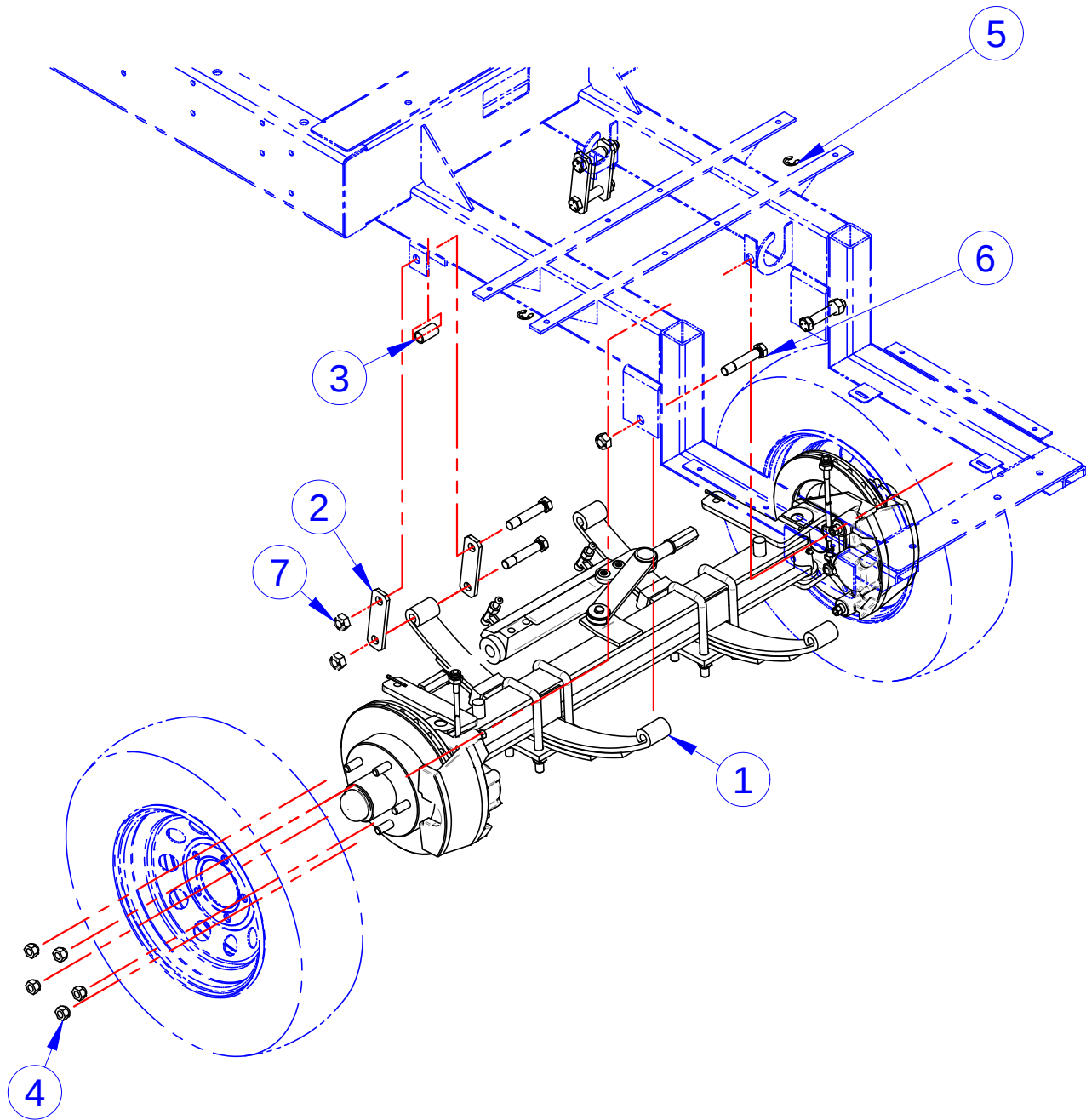
CUSTOM PLATFORM

PARTS MANUAL SECTION 2

FRONT SUSPENSION/ STEERING



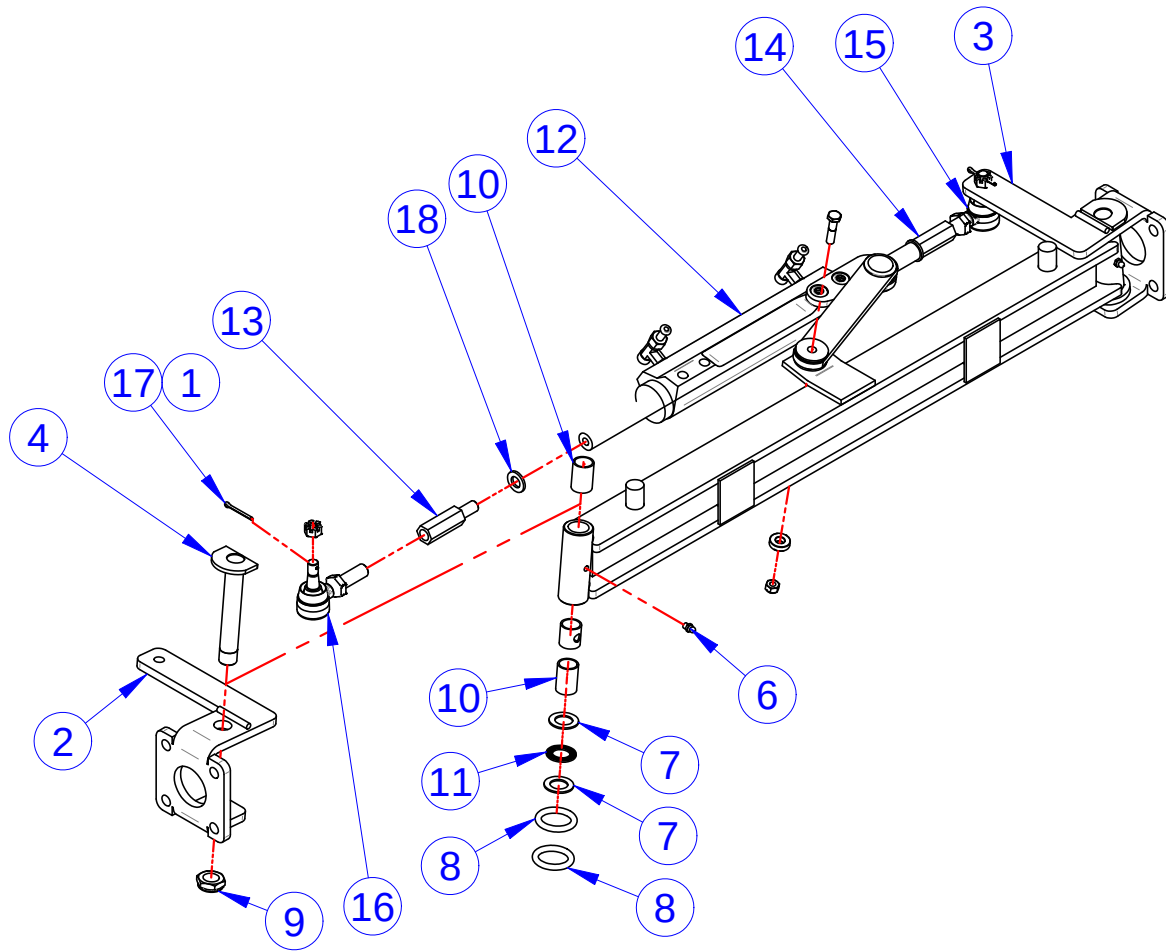
FRONT AXLE SUSPENSION



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	NONE	ASSY, FRONT AXLE, CP	1	467549
2	CVG512245	SHACKLE STRAP	4	512245
3	CVG512495	SLEEVE - SPR HGR	2	512495
4	CVG709002	NUT, 1/2-20, TAPERED WHEEL	10	709002
5	CVG719516	E-RING, .625 PHOS	2	719516
6	CVG759898	BOLT, 9/16-18 X 3" GR 5- SHACKLE	6	759898
7	CVG759909	HEX LOCKNUT, 9/16-18	6	759909

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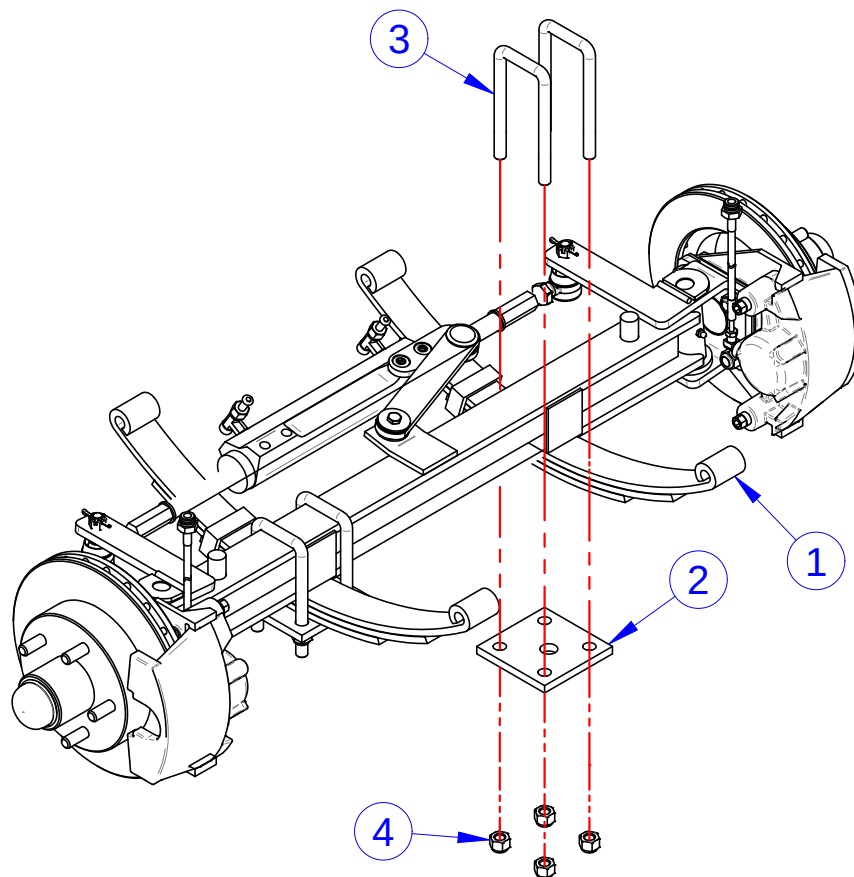
FRONT AXLE



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG309032	WLDMT, FRONT AXLE ASSY	1	309032
2	CVG309110	WLDM'T, SPLINDLE - RH, MVP	1	309110
3	CVG309111	WLDM'T, SPLINDLE - LH, MVP	1	309111
4	CVG467952	PNTD, KING PIN	2	467952
5*	CVG518482	BUSHING, .751 X .878 X .950 W/ HOLE	2	518482
6	CVG709110	GREASE FITTING, 1/4" DRIVE, STRAIGHT	2	709110
7	CVG709217	WASHER, NEEDLE THRUST	4	709217
8	CVG709218	O-RING,#332,1-1/4X1/4	4	709218
9	CVG719861	NUT, 3/4-16 GR A NTE STYLE JAM NYLON	2	719861
10	CVG719961	BUSHING, .751 X .878 X 1.25 OILITE	4	719961
11	CVG719962	BEARING TORRINGTON NEEDLE THRUST	2	719962
12	CVG759900	HYDR CYL, MOUNT - FRONT	1	759900
13	CVG759939	COUPLER - STEERING, RH	1	759939
14	CVG759940	COUPLER - STEERING, LH	1	759940
15	CVG761606	TIE ROD ASM, LH THD	1	761606
16	CVG761611	TIE ROD ASM, RH THD	1	761611
17	CVG761636	PIN,1/8X1,COTTER,EXT PRONG,18-8 SS	2	761636
18	CVG782702	WSHR,M12X24X2.50,F/W,C10.9,MAGNI 525	2	782702

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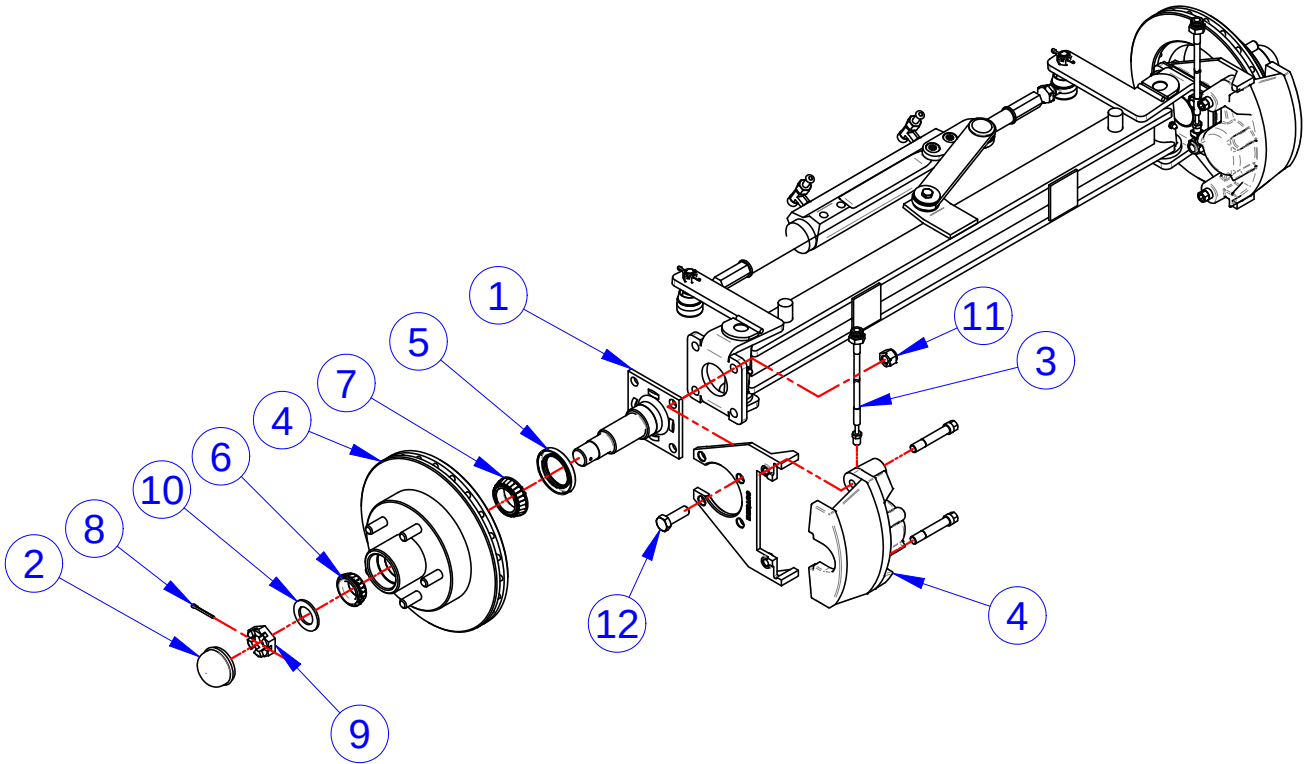
FRONT AXLE SPRINGS



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG468300	P&A SET, SPRING,3-LEAF,1500LB	1	468300
2	CVG510276	CPC FRONT AXLE SPRING PLATE	2	510276
3	CVG709372	U-BOLT,1/2-13X5-1/4,FRONT,MAGNI525BLK	4	709372
4	CVG782739	NUT, 1/2-13, L/N, NYL, NE, G8, MAGNI 525	16	782739

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FRONT AXLE WITH BRAKES



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG512264	SPDL, MACH'D - BRAKES (KODIAK)	2	512264
2	CVG709018	HUB GREASE CAP	2	709018
3	CVG709430	HOSE,BRAKE,HYD,FLEX, 22"	2	709430
4	CVG759899	BRAKE KIT, HYD DISC, PAIR	1	759899
5	CVG759905	SEAL, SHAFT - RADIAL	2	759905
6	CVG759906	BRGS, RLR, TPR - OUTER	2	759906
7	CVG759907	BRGS, RLR, TPR - INNER	2	759907
8	CVG761636	PIN,1/8X1,COTTER,EXT PRONG,18-8 SS	4	761636
9	CVG781349	NUT, 1-14 UNS, GR 2 - SLOTTED	2	781349
10	CVG781350	WSHR, 1.75 OD X 1.02 ID X .108 THK	2	781350
11	CVG782739	NUT, 1/2-13, L/N, NYL, NE, G8, MAGNI 525	16	782739
12	CVG782769	SCREW, 1/2-13 X 1-1/2, HHCS, G8, MAGNI 525	8	782769

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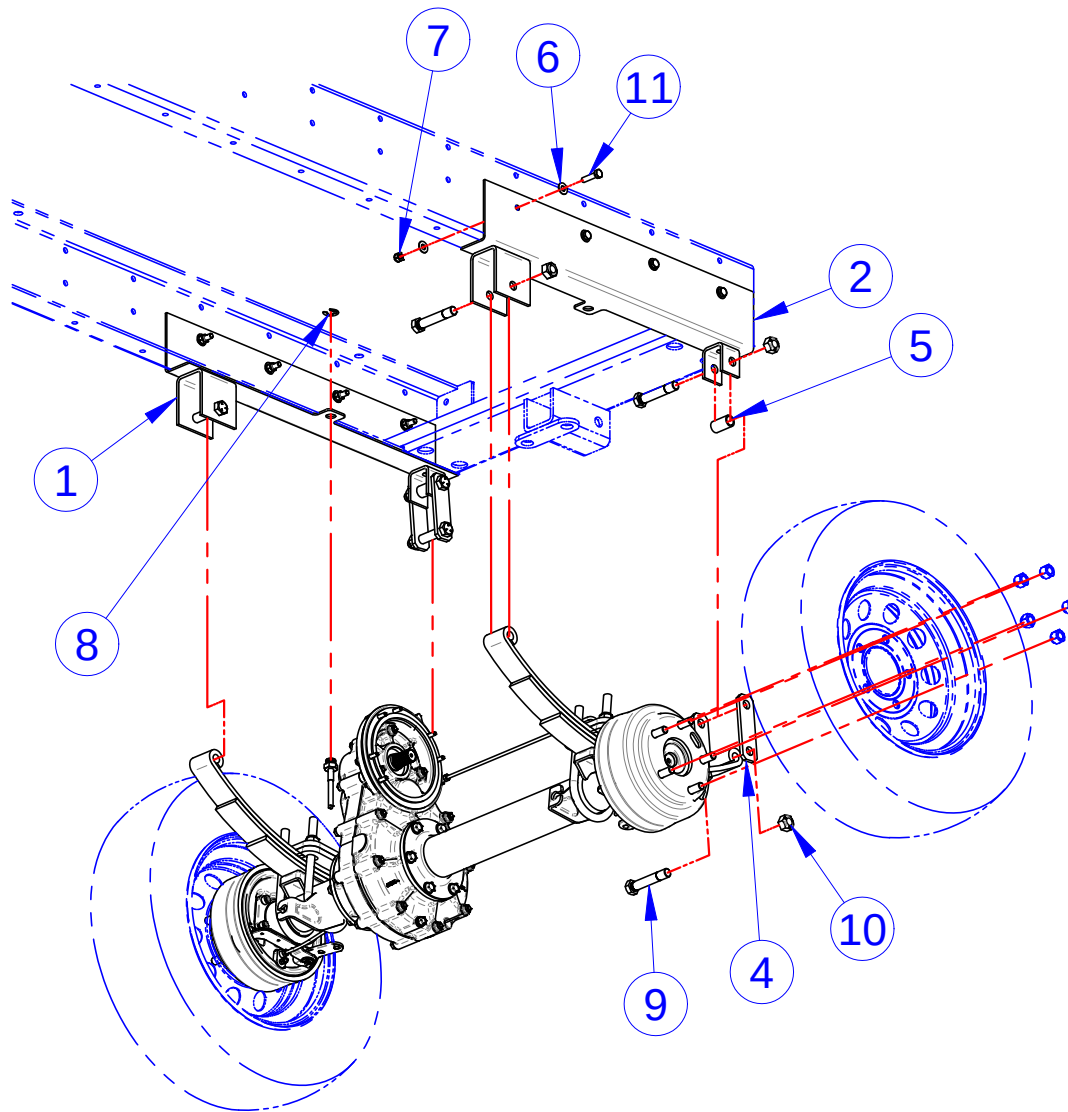
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PARTS MANUAL SECTION 3

REAR SUSPENSION/ DRIVE TRAIN



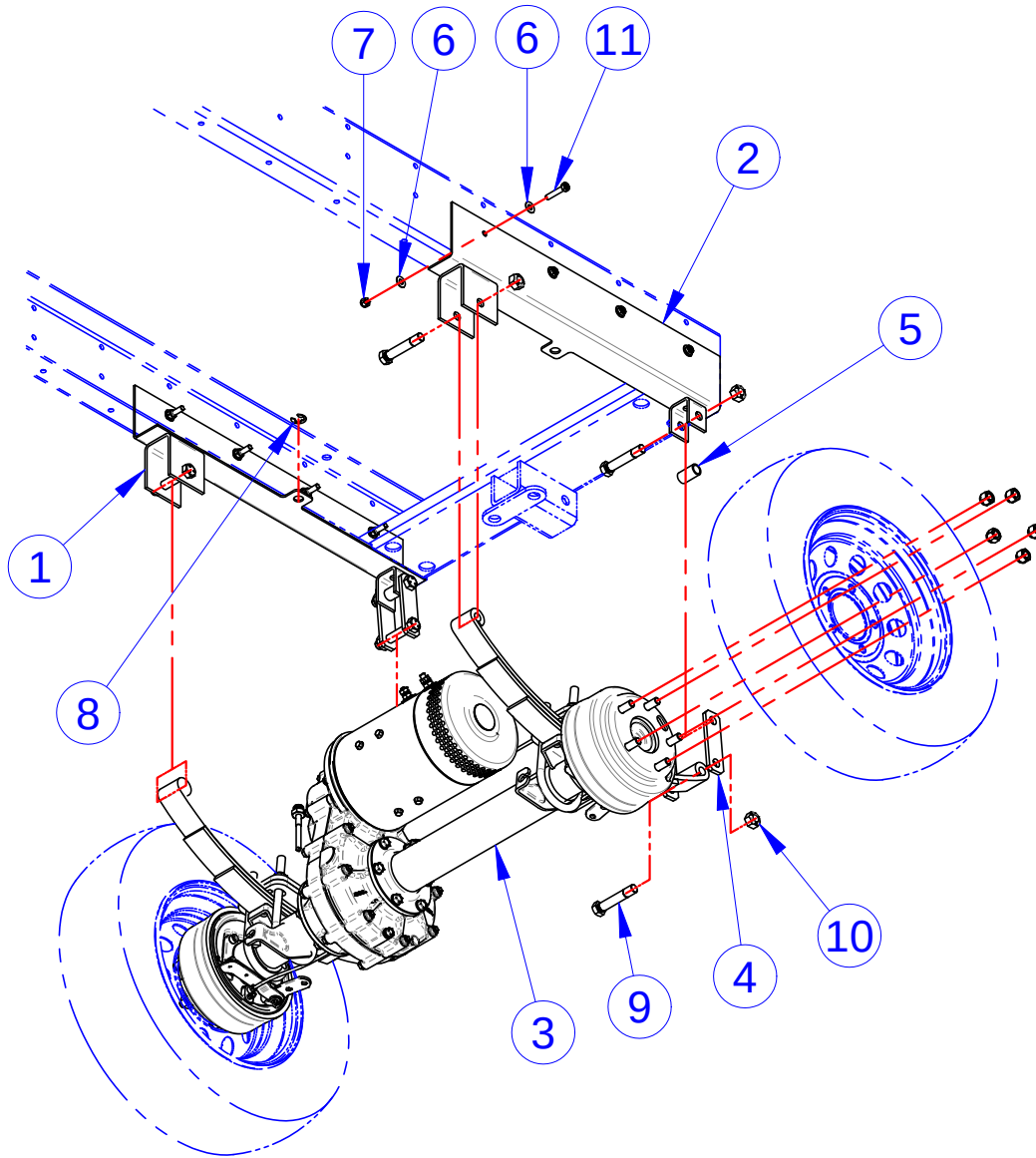
10.37 REAR SUSPENSION



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG309166	WLDM'T, SGL AXLE SPNSN HGR - RH	1	309166
2	CVG309213	WLDM'T, SGL AXLE SPNSN HGR - LH	1	309213
3*	NONE	ASSY, REAR SPNSN, 10.37, 8KW W/O BRAKE, MVP	1	468045
4	CVG512245	SHACKLE STRAP	4	512245
5	CVG512495	SLEEVE - SPR HGR	2	512495
6	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	16	719375
7	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	8	719377
8	CVG719516	E-RING, .625 PHOS	1	719516
9	CVG759898	BOLT, 9/16-18 X 3" GR 5- SHACKLE	6	759898
10	CVG759909	HEX LOCKNUT, 9/16-18	6	759909
11	CVG782841	SCREW,5/16-18X1-1/4,HHCS, 18-8SS	8	782841

NOTE: Items with * in tables indicates parts not shown in drawing

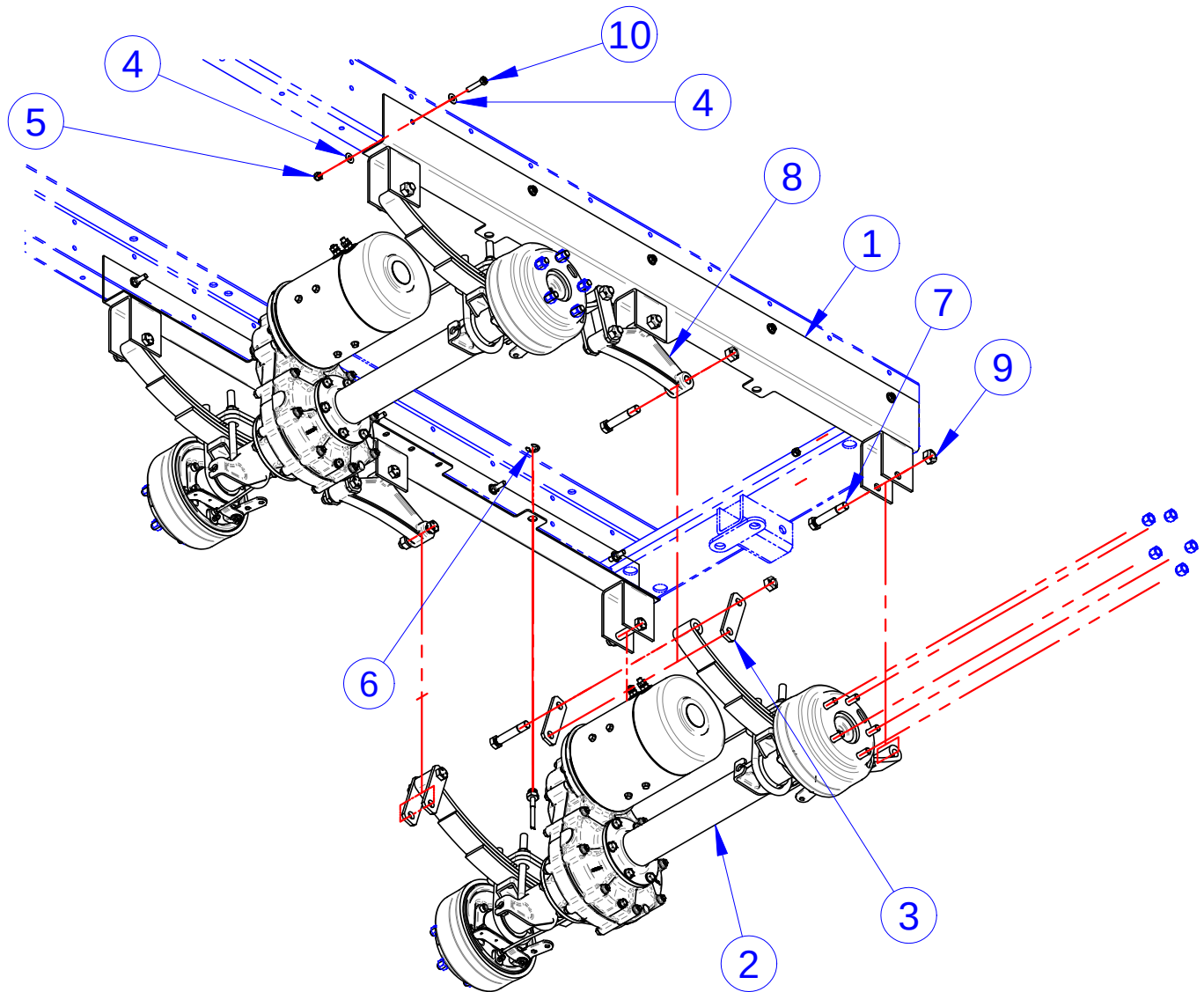
16.77 REAR SUSPENSION - SINGLE AXLE



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG309166	WLDM'T, SGL AXLE SPNSN HGR - RH	1	309166
2	CVG309213	WLDM'T, SGL AXLE SPNSN HGR - LH	1	309213
3	NONE	ASSY, REAR SUSPENSION, 16.77, HD, MVP	1	467980
	NONE	ASSY, REAR SUSPENSION, 16.77, SD, MVP	1	468049
4	CVG512245	SHACKLE STRAP	4	512245
5	CVG512495	SLEEVE - SPR HGR	2	512495
6	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	16	719375
7	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	8	719377
8	CVG719516	E-RING, .625 PHOS	1	719516
9	CVG759898	BOLT, 9/16-18 X 3" GR 5- SHACKLE	6	759898
10	CVG759909	HEX LOCKNUT, 9/16-18	6	759909
11	CVG781924	SCREW,5/16-18X1-1/2,HHCS,G8,MAG525	8	781924

NOTE: Items with * in tables indicates parts not shown in drawing

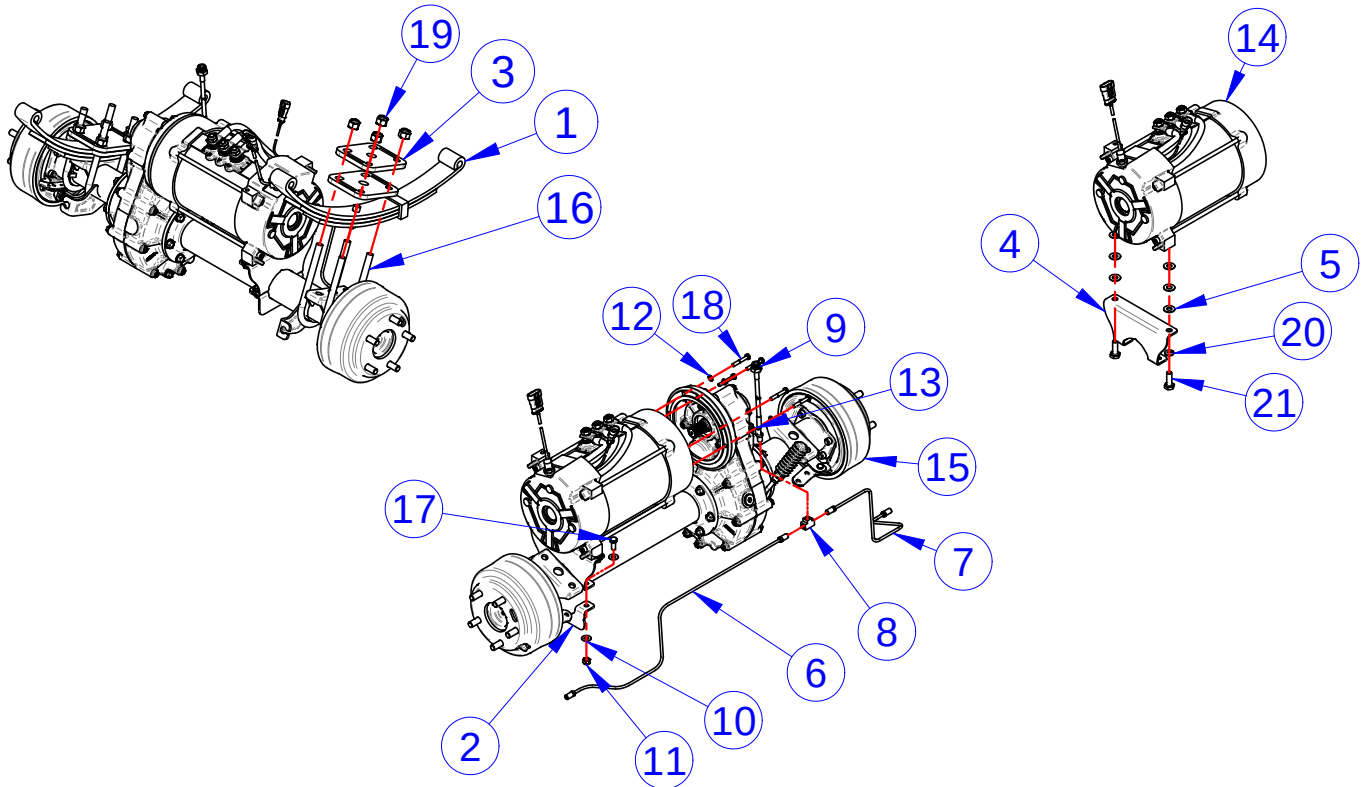
16.77 REAR SUSPENSION - DUAL AXLE



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG309034	WLD M'T, REAR SPNSN HGR - MVP	2	309034
2	NONE	ASSY, REAR SUSPENSION, 16.77, SD, MVP	2	467979
3	CVG512245	SHACKLE STRAP	8	512245
4	CVG719375	WSHR, 5/16X0.750X0.040, F/W, 18-8S/S	20	719375
5	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	10	719377
6	CVG719516	E-RING, .625 PHOS	2	719516
7	CVG759898	BOLT, 9/16-18 X 3" GR 5- SHACKLE	14	759898
8	CVG759908	EQUALIZER BAR	2	759908
9	CVG759909	HEX LOCKNUT, 9/16-18	14	759909
10	CVG781924	SCREW, 5/16-18X1-1/2, HHCS, G8, MAG525	10	781924

NOTE: Items with * in tables indicates parts not shown in drawing

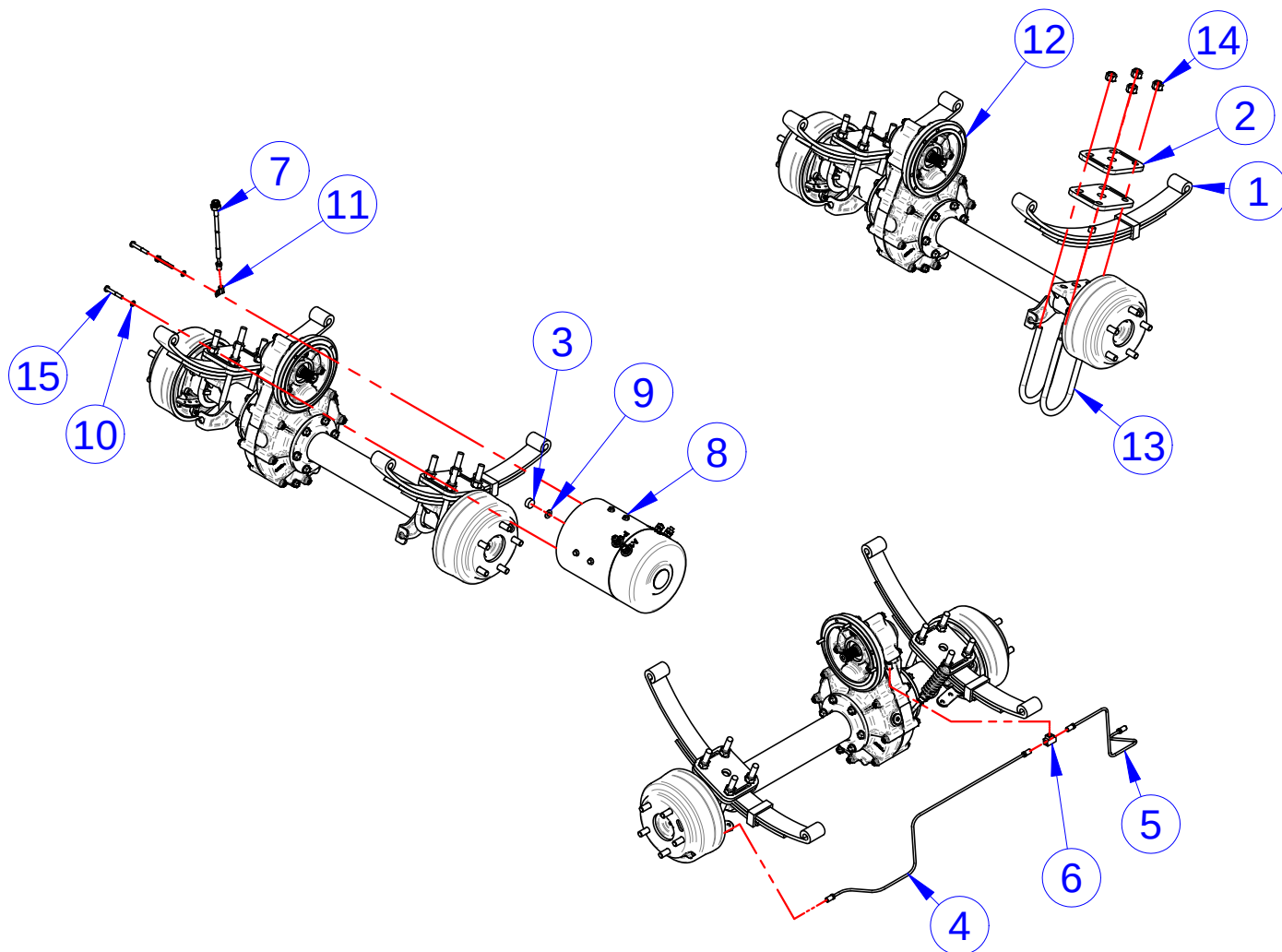
10.37/16.77 REAR SUSPENSION



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG468300	P&A SET, SPRING,3-LEAF,1500LB	1	468300
2	CVG517869	BRKT, MOTOR SPRT, 8KW, LOWER, LT	1	517869
3	CVG517871	PLATE, AXLE MT, ST/LT	4	517871
4	CVG517924	BRKT, MOTOR SPRT, SCHABMUELLER, UPPER, LT	1	517924
5	CVG708859	WASHER,3/8,STD,FW,18-8SS	6	708859
6	CVG709232	BRAKE LINE, 3/16 X 30 (LH FORMED)	1	709232
7	CVG709358	BRAKE LINE, 3/16 X 20 (RH FORMED)	1	709358
8	CVG709377	UNION TEE,3/16",HYD BRAKE TUBE	1	709377
9	CVG709430	HOSE,BRAKE,HYD,FLEX, 22"	1	709430
10	CVG719375	WSHR,5/16X0.750X0.040,FW,18-8S/S	4	719375
11	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	2	719377
12	CVG719378	WSHR, 1/4 (M6), L/W, SPLIT, 18-8, S/S	6	719378
13	CVG719756	CLAMP,1/4",STL TUBE,VINYL CUSHION	1	719756
14	CVG760957	MOTOR, AC, 8KW, SCHABMUELLER	1	760957
15	CVG761738	AXLE, NKL HDLT, 10.37:1	1	761738
	CVG761739	AXLE, NKL HDLT, 16.77:1	1	761739
16	CVG782102	U-BOLT, 1/2-13 X 6.75 IL X 2.81 IW, MAGNI 525	4	782102
17	CVG782721	SCR, 5/16-18 X 0.75, HHCS, 18-8, S/S	2	782721
18	CVG782735	SCR, M6-1.0 X 40MM, HHCS, A2, S/S	6	782735
19	CVG782739	NUT, 1/2-13, L/N, NYL, NE, G8, MAGNI 525	8	782739
20	CVG782961	WSHR, (3/8) M10, MSLW, A2, SS	2	782961
21	CVG782989	SCR, M10-1.5 X 30MM, HHCS, A2, S/S	2	782989

NOTE: Items with * in tables indicates parts not shown in drawing

16.77 REAR SUSPENSION



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG468300	P&A SET, SPRING,3-LEAF,1500LB	1	468300
2	CVG517871	PLATE, AXLE MT, ST/LT	4	517871
3	CVG709050	RESILIENT BUMPER-ELEC MOTOR	1	709050
4	CVG709232	BRAKE LINE, 3/16 X 30 (LH FORMED)	1	709232
5	CVG709358	BRAKE LINE, 3/16 X 20 (RH FORMED)	1	709358
6	CVG709377	UNION TEE,3/16",HYD BRAKE TUBE	1	709377
7	CVG709430	HOSE,BRAKE,HYD,FLEX, 22"	1	709430
8	CVG719135	MOTOR, ELECT., 48V, SEPARATELY EXCITED	1	719135
	CVG719339	MOTOR, ELEC 48V HD DIRECT W/TACH	1	719339
9	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	1	719375
10	CVG719378	WSHR, 1/4 (M6), L/W, SPLIT, 18-8, S/S	3	719378
11	CVG719756	CLAMP,1/4",STL TUBE,VINYL CUSHION	1	719756
12	CVG761739	AXLE, NKL HDLT, 16.77:1	1	761739
13	CVG782102	U-BOLT, 1/2-13 X 6.75 IL X 2.81 IW, MAGNI 525	4	782102
14	CVG782739	NUT, 1/2-13, L/N, NYL, NE, G8, MAGNI 525	8	782739
15	CVG782786	SCREW,1/4-20X1.75,HHSC,18-8SS	3	782786

NOTE: Items with * in tables indicates parts not shown in drawing

NOTE: Items with * in tables indicates parts not shown in drawing

Columbia Vehicle Group, Inc.

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COLUMBIA

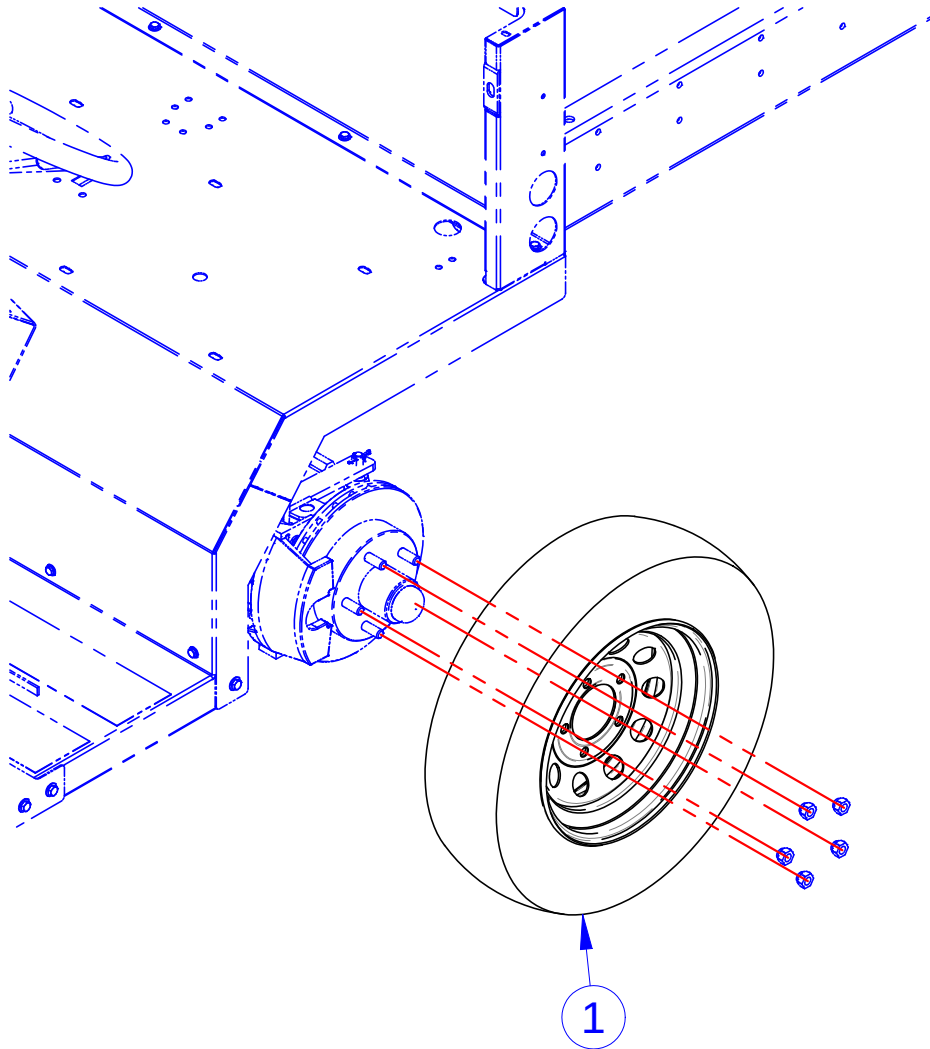
CUSTOM PLATFORM

PARTS MANUAL SECTION 4

WHEELS



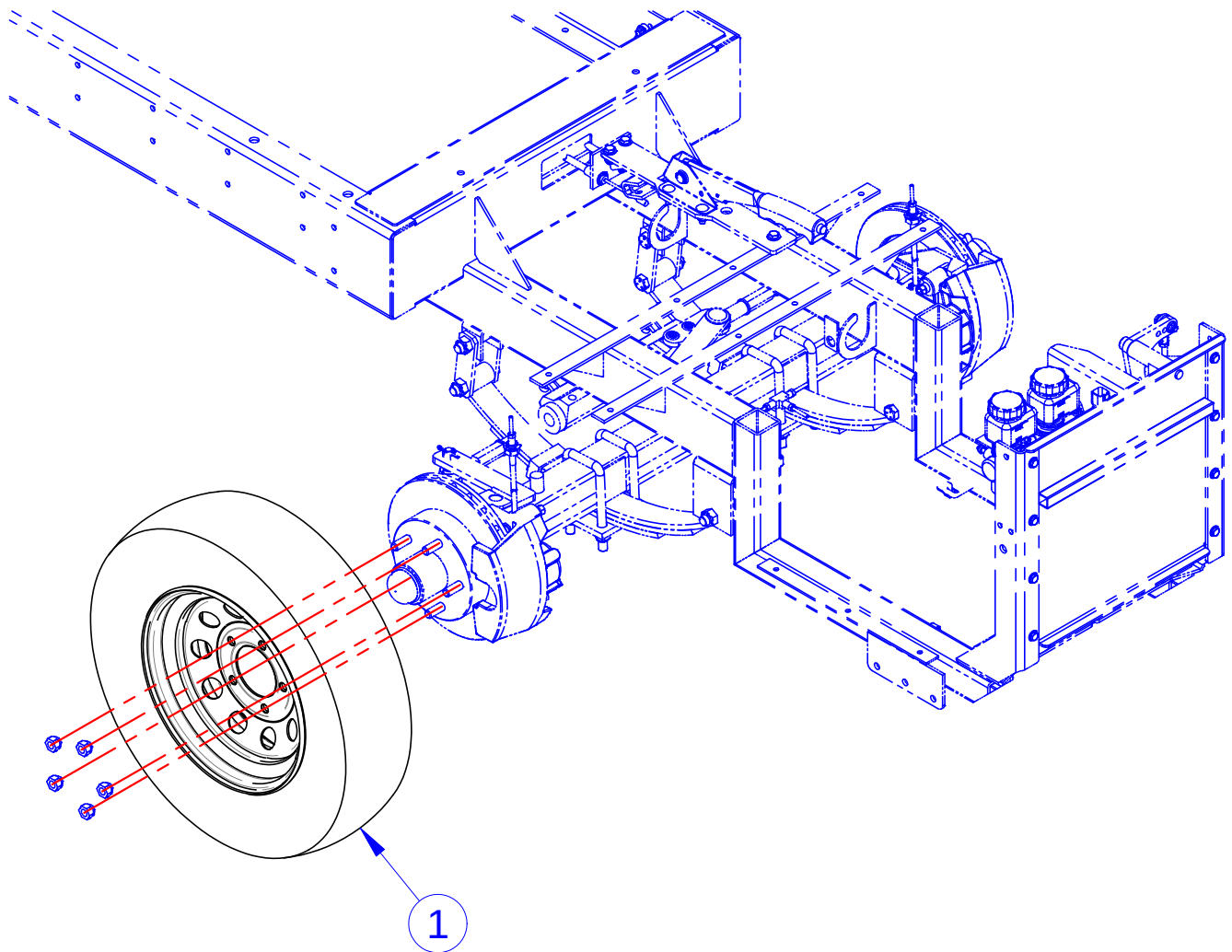
TIRES (4)



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1*	CVG759849	TIRE/WHEEL ASSY, HIGH SPEED, 5-HOLE	4	759849
2*	CVG761166	TIRE PRESSURE LABEL, 45PSI	4	761166

NOTE: Items with * in tables indicates parts not shown in drawing

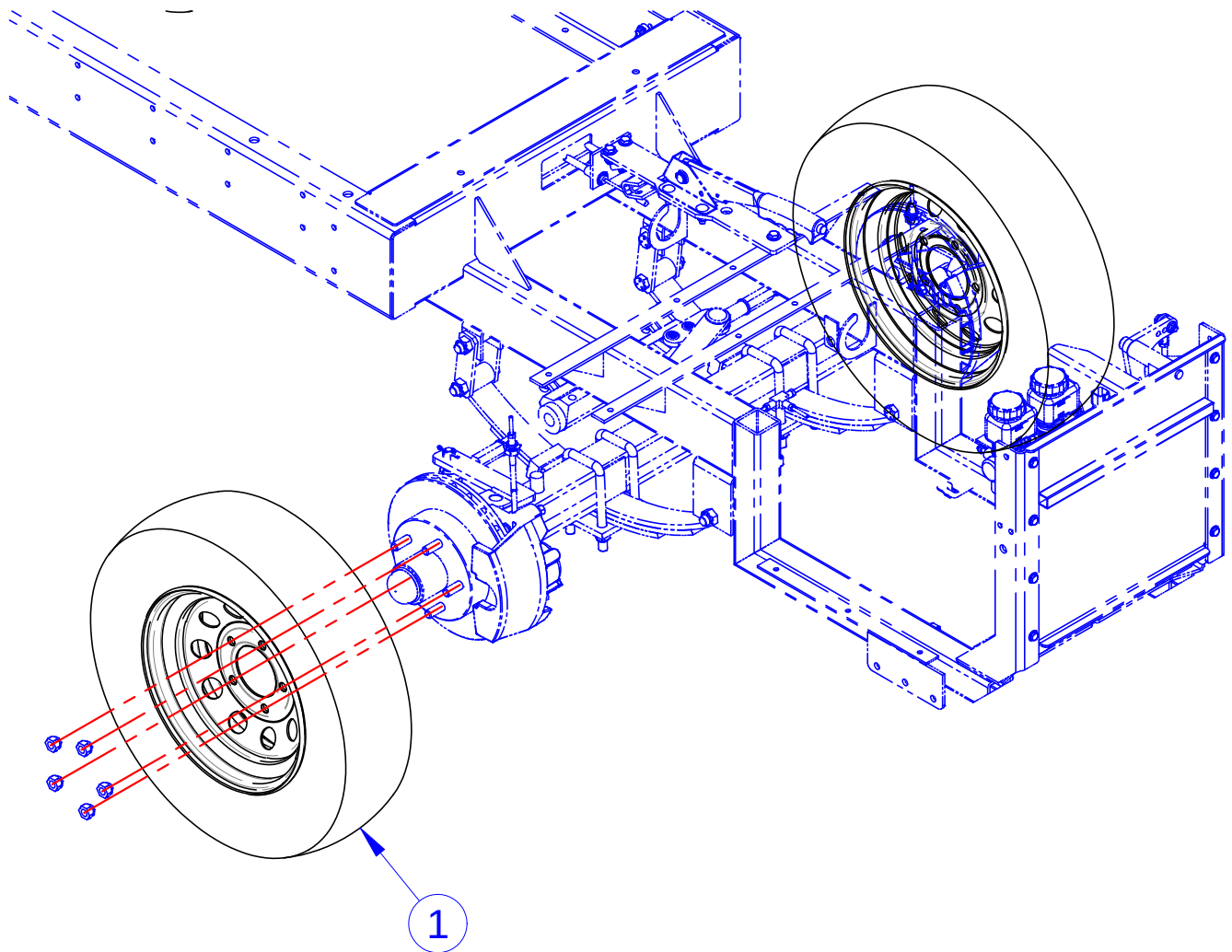
TIRES (6)



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG759849	TIRE/WHEEL ASSY, HIGH SPEED, 5-HOLE	6	759849
2*	CVG761166	TIRE PRESSURE LABEL, 45PSI	6	761166

NOTE: Items with * in tables indicates parts not shown in drawing

FOAM FILLED TIRES (6)



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG467617	TIRE/WHEEL FOAM FILL 145R12 5-HOLE	6	467617

NOTE: Items with * in tables indicates parts not shown in drawing

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Columbia Vehicle Group, Inc.

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COLUMBIA

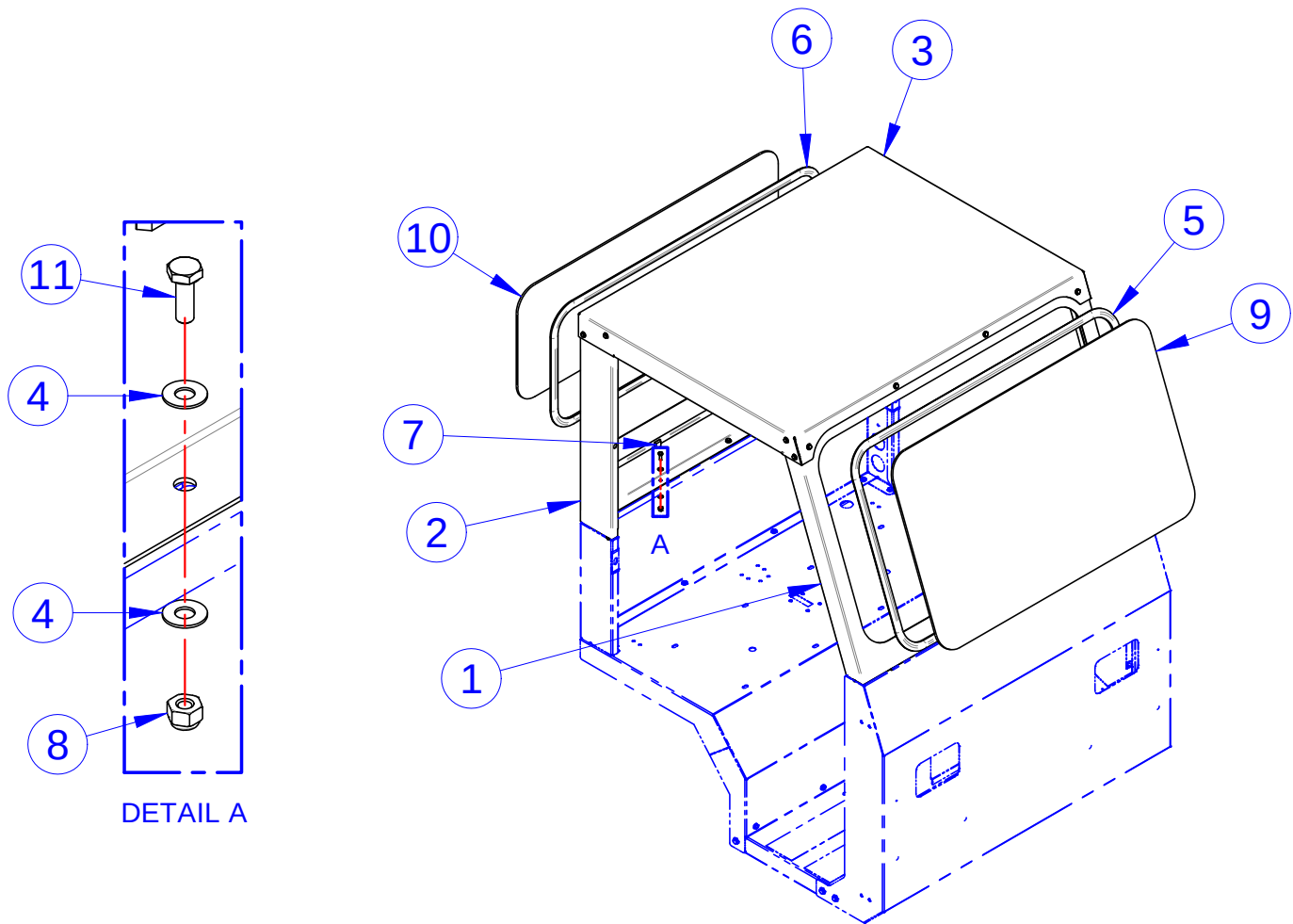
CUSTOM PLATFORM

PARTS MANUAL SECTION 5

BODY



CAB WITHOUT DOORS



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG467565	PNTD, MVP CAB FRONT PANEL	1	467565
2	CVG467566	PAINTED, BACK CAB PANEL - MVP	1	467566
3	CVG467567	PAINTED, TOP CAB PANEL - MVP	1	467567
4	CVG708511	WASHER, FLAT, 1/4", 18-8SS	58	708511
5	CVG719163	WEATHER STRIPPING, SELF-SEALING, 126" LG	1	719163
6	CVG719163	WEATHER STRIPPING, SELF-SEALING, 110" LG	1	719163
7	CVG719738	BUMPER BLACK 3M#SJ5023	2	719738
8	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	29	719876
9	CVG468089	WINDSHIELD, GLASS, FR - MVP	1	760450
10	CVG760538	GLASS, TMPD - REAR, MVP	1	760538
11	CVG782784	SCREW, 1/4-20X3/4, HHCS, 18-8SS	29	782784

NOTE: Items with * in tables indicates parts not shown in drawing

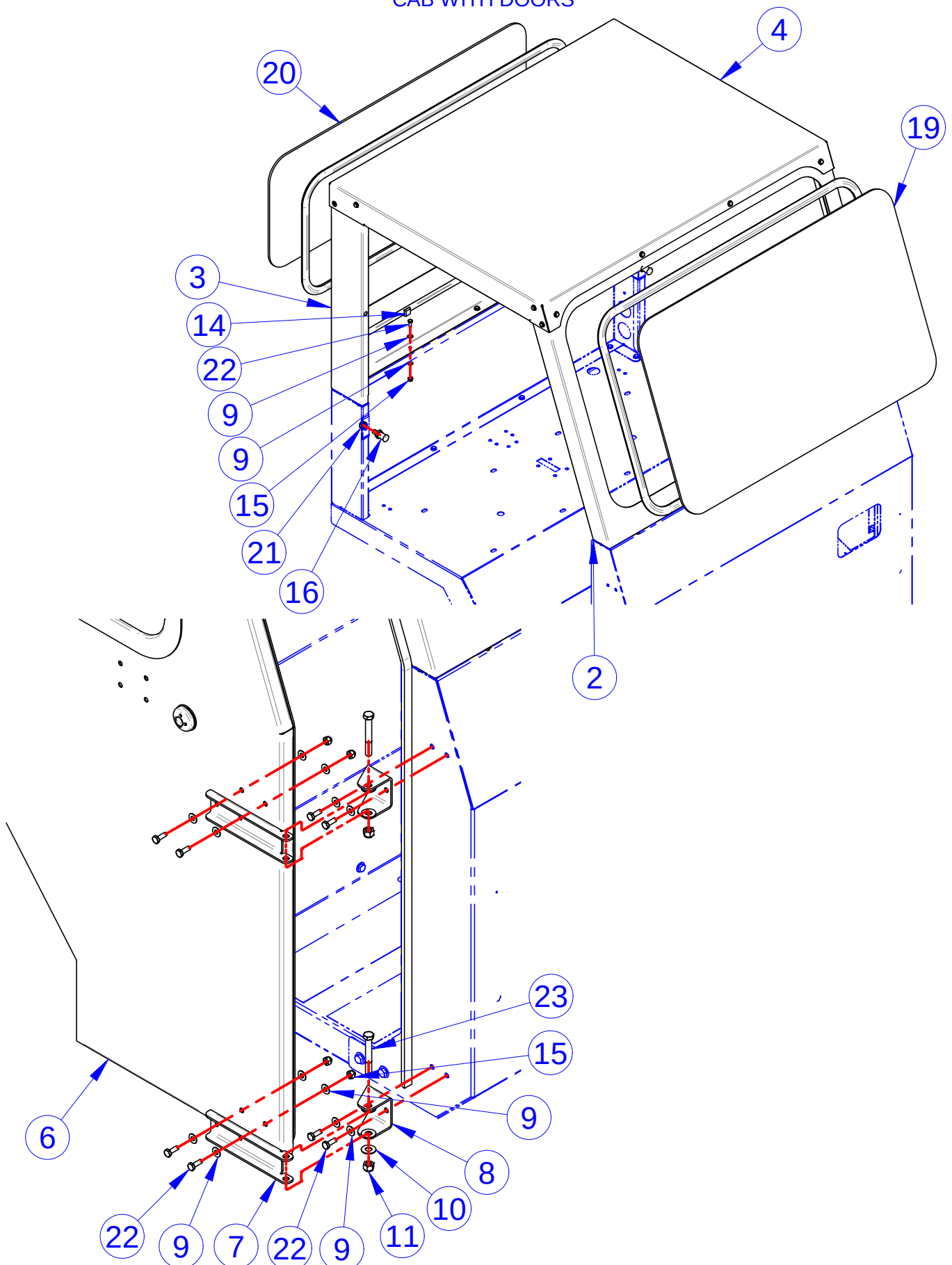
CAB WITH DOORS

DRAWINGS ON FOLLOWING PAGE

ITEM	CVG PN	DESCRIPTION	QTY	REF #
1*	CVG309370	STRAP, CAB DOOR	2	309370
2	CVG467565	PNTD, MVP CAB FRONT PANEL	1	467565
3	CVG467566	PAINTED, BACK CAB PANEL - MVP	1	467566
4	CVG467567	PAINTED, TOP CAB PANEL - MVP	1	467567
5*	NONE	ASSY, CAB DOOR, LH, MVP	1	468051
6	NONE	ASSY, CAB DOOR, RH, MVP	1	468052
7	CVG512162	PLATE, HINGE - DOOR	4	512162
8	CVG512372	BRKT, MTG, HINGE	4	512372
9	CVG708511	WASHER, FLAT, 1/4", 18-8SS	82	708511
10	CVG708859	WASHER, 3/8, STD, FW, 18-8SS	12	708859
11	CVG708860	NUT, 3/8-16, L/N, NYL, NE, 18-8, S/S	4	708860
12*	CVG719163	WEATHER STRIPPING, SELF-SEALING	19	719163
13*	CVG719583	SCREW, 10-16X3/4, HWH, TEK, MAG525	4	719583
14	CVG719738	BUMPER BLACK 3M#SJ5023	2	719738
15	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	37	719876
16	CVG759816	LATCH BOLT	2	759816
17*	CVG760320	SEAL, DOOR OPENING, SELF-ADHESIVE	21	760320
18*	CVG760404	FIXED STRAP RETAINER	2	760404
19	CVG468089	WINDSHIELD, GLASS, FR - MVP	1	760450
20	CVG760538	GLASS, TMPD - REAR, MVP	1	760538
21	CVG781495	NUT, M12 X 1.0 L/N, HEX, NYLOK, YWZC	2	781495
22	CVG782784	SCREW, 1/4-20X3/4, HHCS, 18-8SS	45	782784
23	CVG783008	SCR, 3/8-16 X 2.75, HHCS, 18-8, S/S	4	783008

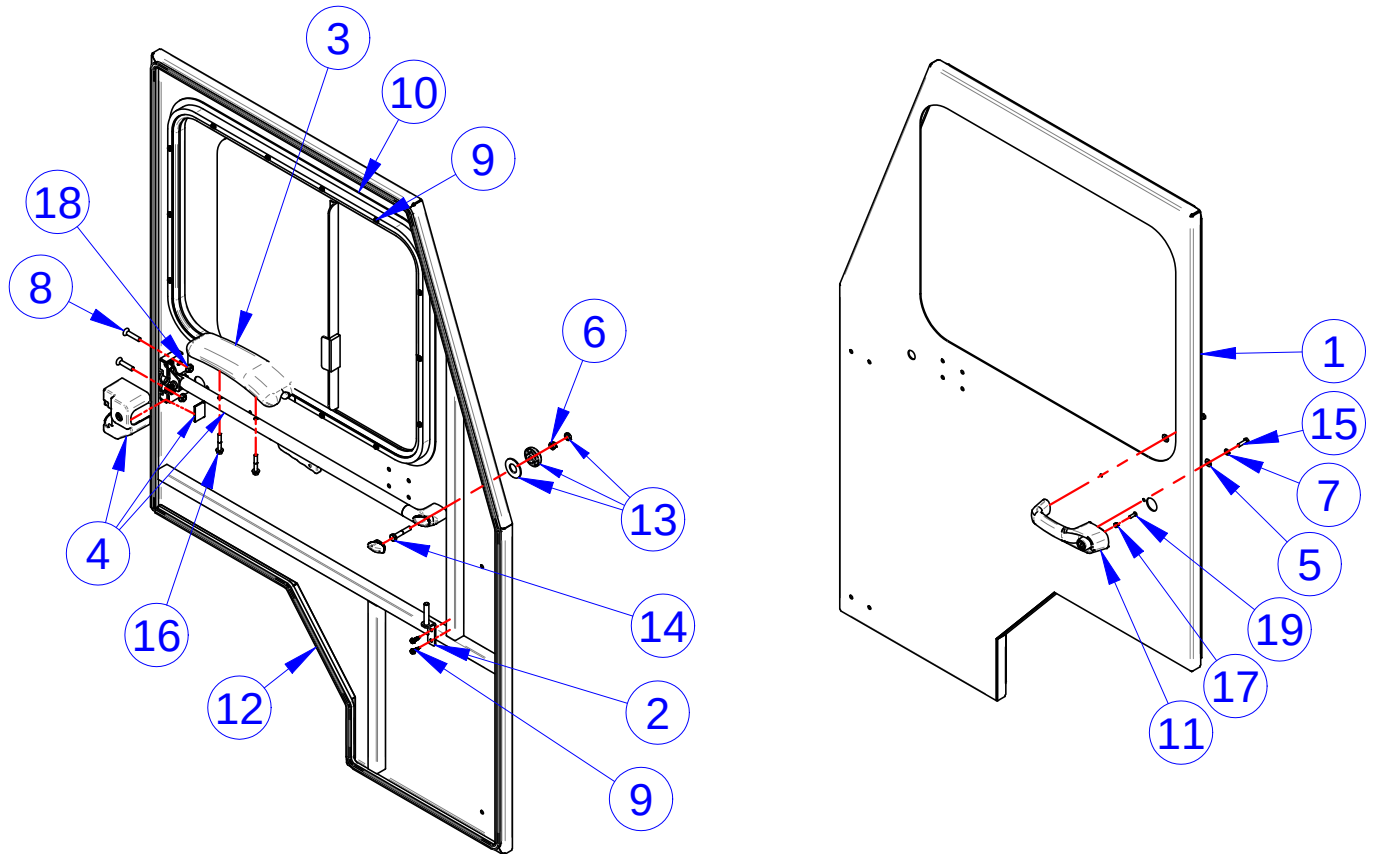
NOTE: Items with * in tables indicates parts not shown in drawing

CAB WITH DOORS



NOTE: Items with * in tables indicates parts not shown in drawing

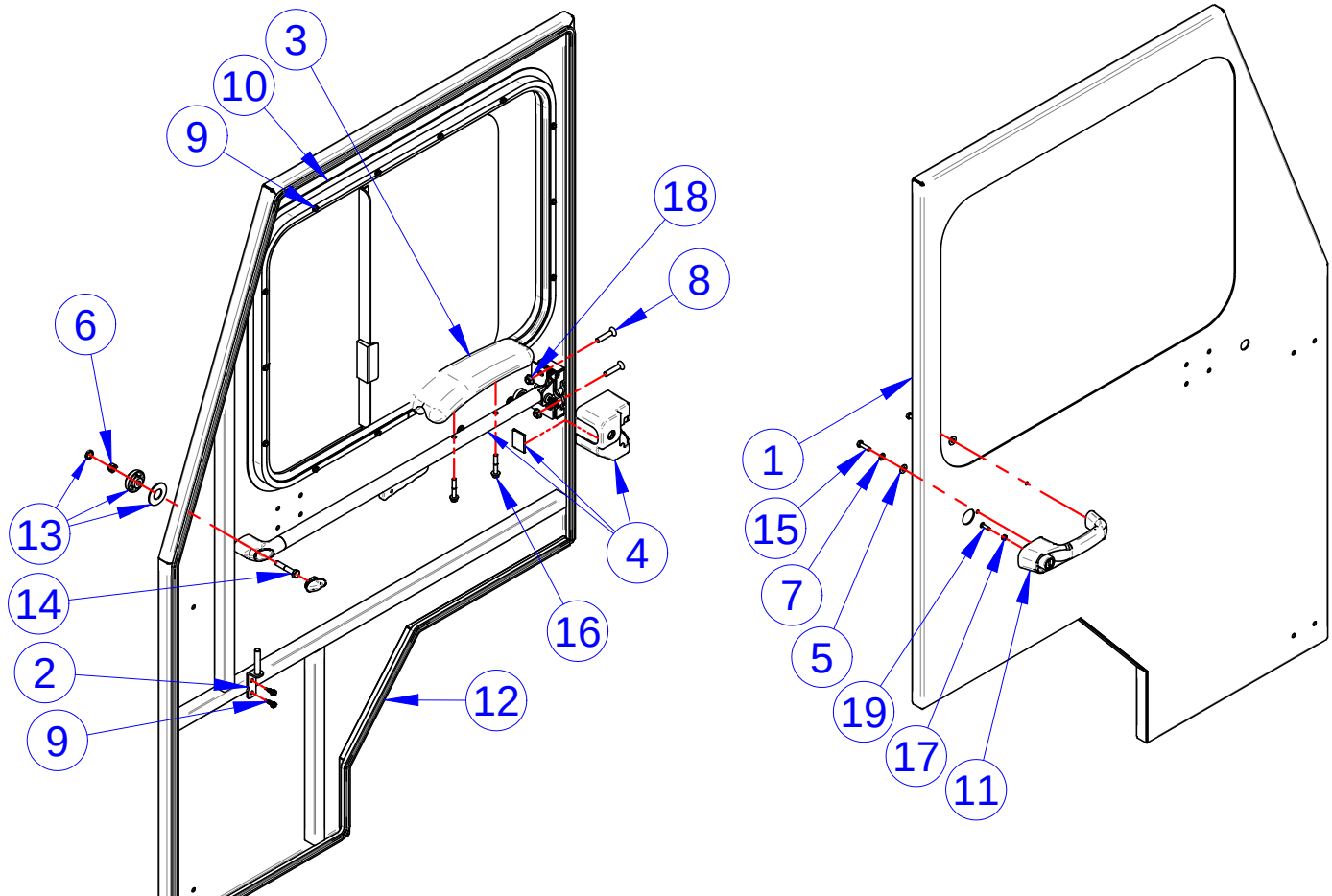
LEFT HAND CAB DOOR



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG310498	WLDMT, DOOR, DRVR SIDE, MVP	1	310498
2	CVG314294	WLDMT, DOOR STRAP HOOK	1	314294
3	CVG512812	ARM PAD - MODIFIED	1	512812
4	CVG512815	LH LATCH/ARM ASSY - MOD	1	512815
5	CVG708511	WASHER, FLAT, 1/4", 18-8SS	2	708511
6	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	1	719377
7	CVG719378	WSHR, 1/4 (M6), L/W, SPLIT, 18-8, S/S	2	719378
8	CVG719555	SCREW, 5/16-18X1-1/2, PFH, M/S, BLK ZC	2	719555
9	CVG719583	SCREW, 10-16X3/4, HWH, TEK, MAG525	16	719583
10	CVG749709	WINDOW, BC CAB, SLIDING LH	1	749709
11	CVG759817	OUTER LATCH HANDLE	1	759817
12	CVG759818	SEAL, DOOR FRAME	14.58	759818
13	CVG760321	NUT RETAINER, MVP	1	760321
14	CVG761648	SCREW, 5/16-18X1-3/4, HHCS, 18-8SS	1	761648
15	CVG781440	SCREW, M6X20, HHCS, ZC	2	781440
16	CVG781504	SCREW, 1/4-20 X 1.5, HWH, T/C, TF, ZC	2	781504
17	CVG781617	NUT, M5, L/N, KEP, C8, ZC	1	781617
18	CVG781694	NUT, 5/16-18 HEX, FLANGE, SERR, S/S	2	781694
19	CVG782711	SCR, M5-0.8 X 16MM, BSHCS, A2, S/S	1	782711

NOTE: Items with * in tables indicates parts not shown in drawing

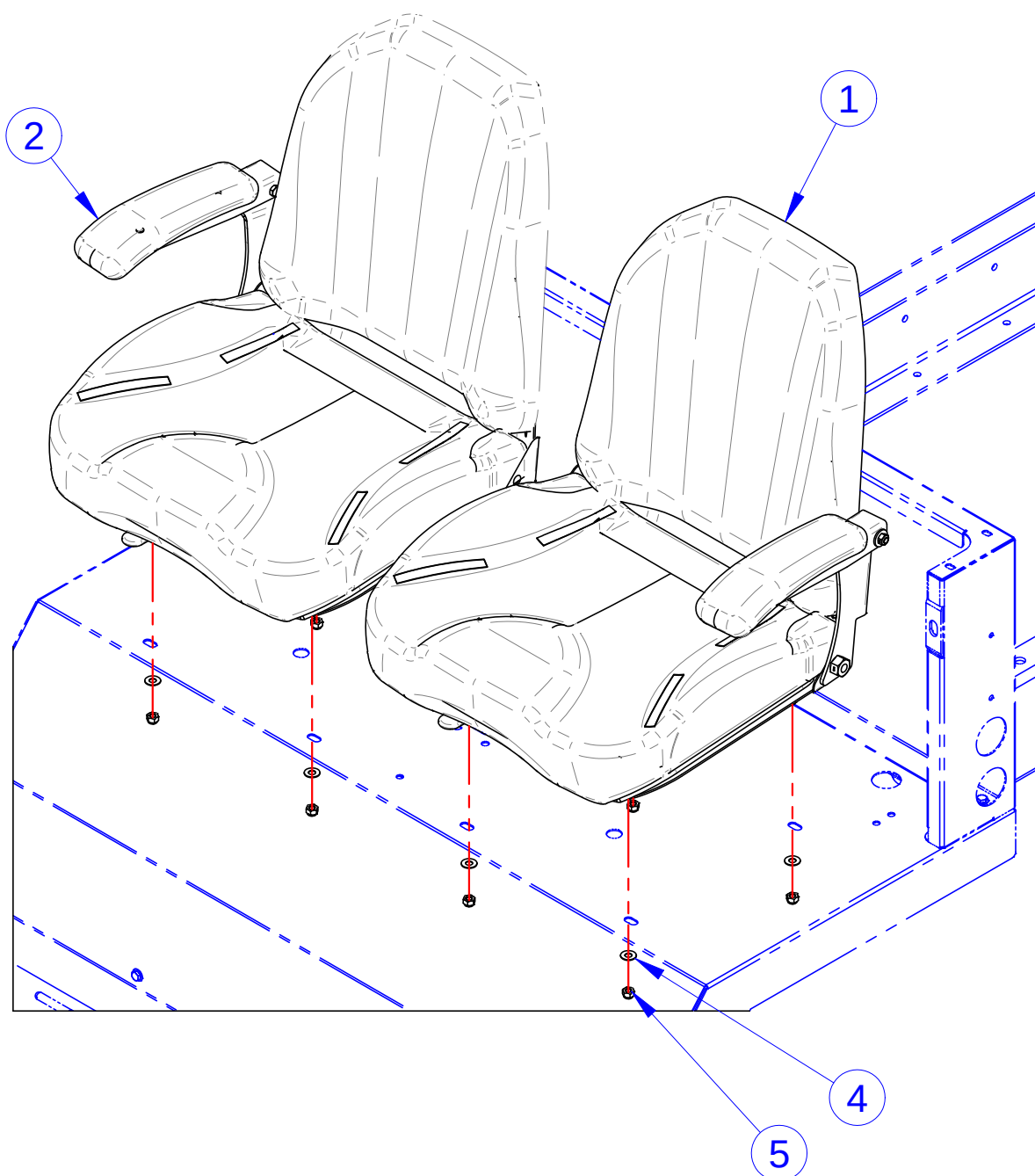
RIGHT HAND CAB DOOR



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG310497	WLDMT, DOOR, PASS SIDE, MVP	1	310497
2	CVG314294	WLDMT, DOOR STRAP HOOK	1	314294
3	CVG512812	ARM PAD - MODIFIED	1	512812
4	CVG512814	RH LATCH/ARM ASSY - MOD	1	512814
5	CVG708511	WASHER, FLAT, 1/4", 18-8SS	2	708511
6	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	1	719377
7	CVG719378	WSHR, 1/4 (M6), L/W, SPLIT, 18-8, S/S	2	719378
8	CVG719555	SCREW, 5/16-18X1-1/2, PFH, M/S, BLK ZC	2	719555
9	CVG719583	SCREW, 10-16X3/4, HWH, TEK, MAG525	16	719583
10	CVG759743	WINDOW, BC CAB, SLIDING RH	1	759743
11	CVG759817	OUTER LATCH HANDLE	1	759817
12	CVG759818	SEAL, DOOR FRAME	14.58	759818
13	CVG760321	NUT RETAINER, MVP	1	760321
14	CVG761648	SCREW, 5/16-18X1-3/4, HHCS, 18-8SS	1	761648
15	CVG781440	SCREW, M6X20, HHCS, ZC	2	781440
16	CVG781504	SCREW, 1/4-20 X 1.5, HWH, T/C, TF, ZC	2	781504
17	CVG781617	NUT, M5, L/N, KEP, C8, ZC	1	781617
18	CVG781694	NUT, 5/16-18 HEX, FLANGE, SERR, S/S	2	781694
19	CVG782711	SCR, M5-0.8 X 16MM, BSHCS, A2, S/S	1	782711

NOTE: Items with * in tables indicates parts not shown in drawing

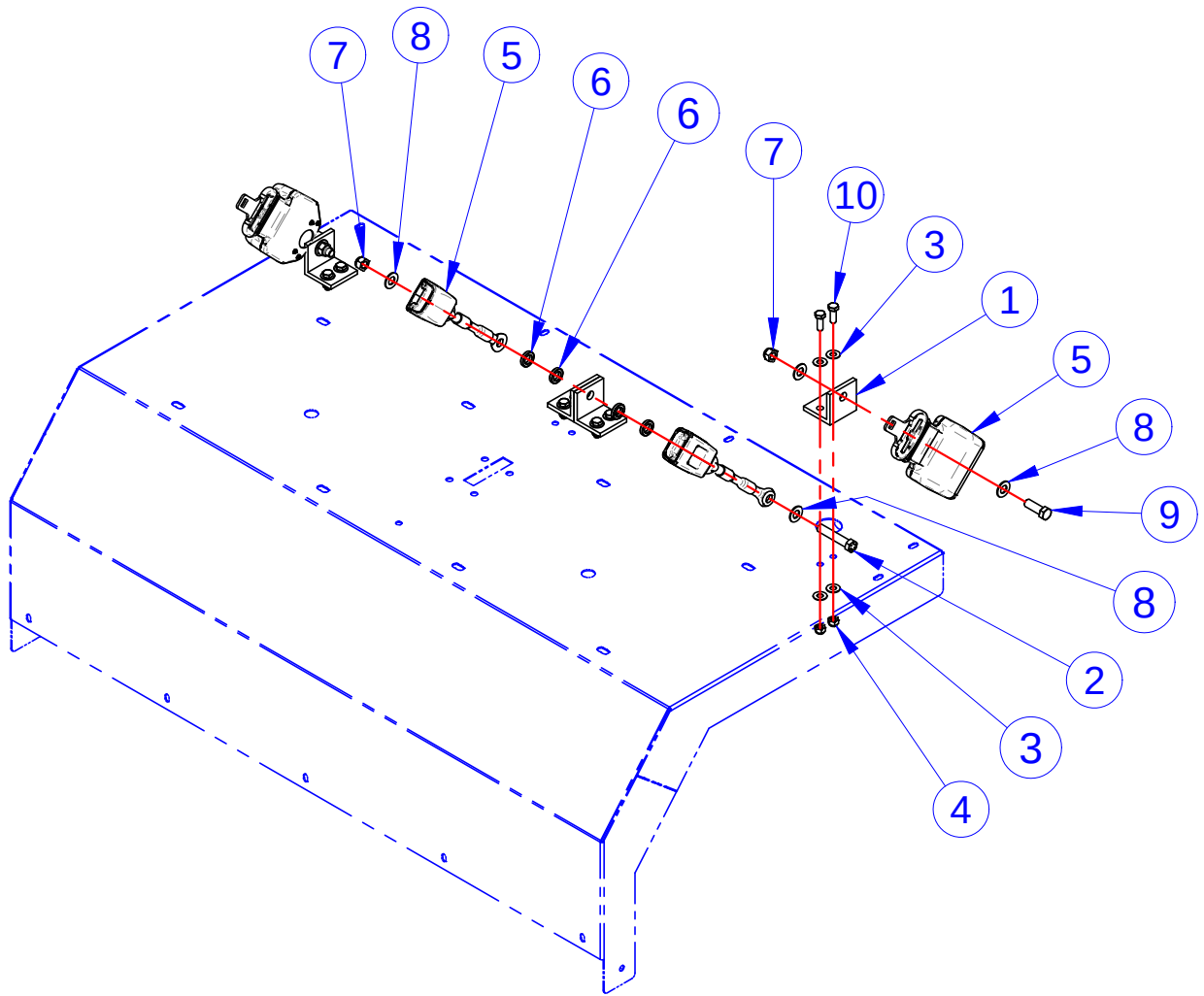
BUCKET SEATS



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG313603	907 SEAT-4"TRACK,W/SW,LH NO ARM	1	313603
	CVG313603LA	907 SEAT-4"TRACK,W/SW,LH ARM	1	313603LA
2	CVG313604	907 SEAT-4"TRACK,RH NO ARM	1	313604
	CVG313604RA	907 SEAT-4"TRACK,RH ARM	1	313604RA
3*	CVG468059	HARNESS, BC HANDBRAKE SWITCH	1	468059
4	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	8	719375
5	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	8	719377

NOTE: Items with * in tables indicates parts not shown in drawing

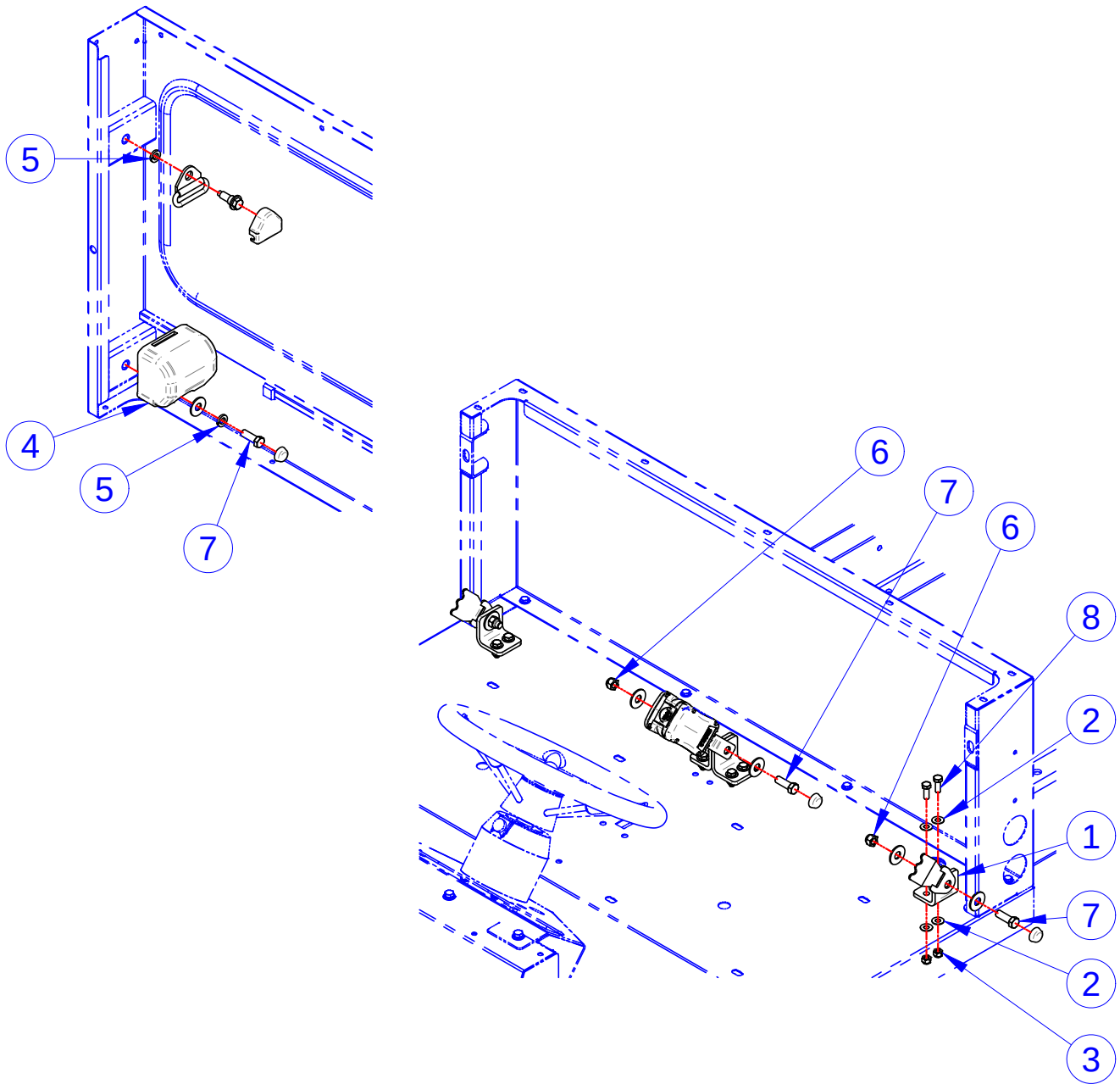
2-PT SEAT BELTS



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG511730	SMT SEATBELT BRKT	4	511730
2	NONE	SCREW, 7/16-20X2-1/4, HHCS, G8, CLR96, ROHS	1	708656
3	CVG719375	WSHR, 5/16X0.750X0.040, F/W, 18-8S/S	16	719375
4	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	8	719377
5	CVG781923	SEAT BELT, 2X48, 2-TTH ALR, H2, CABLE	2	781923
6	CVG782300	SPACER, .875X.531X.187	4	782300
7	CVG782751	NUT, 7/16-20, L/N, NYL, NE, G8, MAGNI 525	3	782751
8	CVG782752	WSHR, 7/16 (M11), SAE, F/W, G8, MAGNI 525	6	782752
9	CVG782755	SCR, 7/6-20 X 1.25, HHCS, G8, MAGNI 525	2	782755
10	CVG782834	SCREW, 5/16-18X7/8, HHSC, 18-8SS	8	782834

NOTE: Items with * in tables indicates parts not shown in drawing

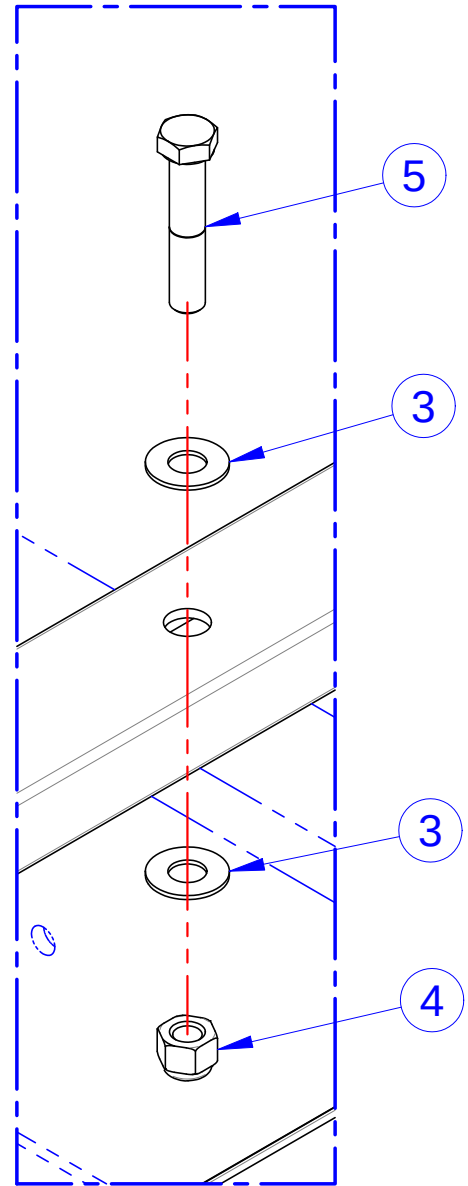
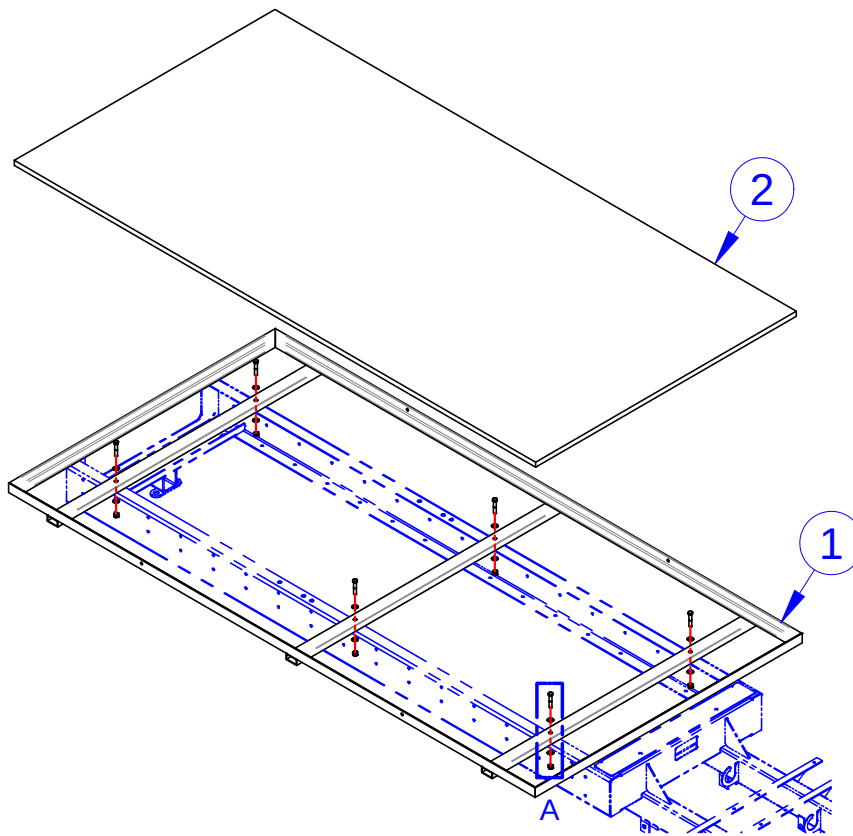
3-POINT SEATBELTS



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-8	CVG192931U	P&A, 3-POINT SEAT BELT - MVP	KIT	192931A
1	CVG511730	SMT SEATBELT BRKT	4	511730
2	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	16	719375
3	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	8	719377
4	CVG760585	SEAT BELT, 3-PT, KIT	2	760585
5	CVG782749	WSHR, 7/16 (M11), L/W, SPLIT, HEAVY, MAGNI 525	4	782749
6	CVG782751	NUT, 7/16-20, L/N, NYL, NE, G8, MAGNI 525	3	782751
7	CVG782755	SCR, 7/6-20 X 1.25, HHCS, G8, MAGNI 525	5	782755
8	CVG782834	SCREW,5/16-18X7/8,HHSC,18-8SS	8	782834

NOTE: Items with * in tables indicates parts not shown in drawing

96" DECK

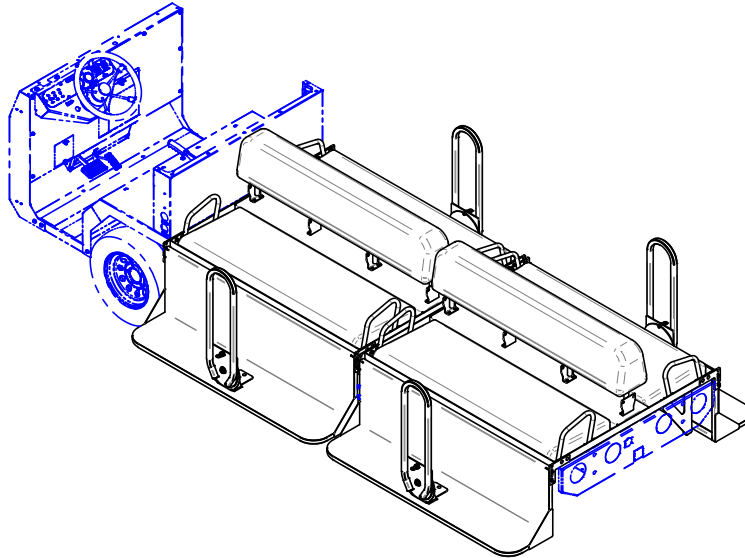


DETAIL A

ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG309404TB	CARGO BED - MVP	1	309404
2	CVG702625	PLYWOOD, MEZZTREAD, 48 X 96 X 3/4	1	702625
3	CVG708859	WASHER, 3/8, STD, FW, 18-8SS	12	708859
4	CVG708860	NUT, 3/8-16, L/N, NYL, NE, 18-8, S/S	6	708860
5	CVG782796	SCR, 3/8-16 X 2, HHCS, 18-8, S/S	6	782796

NOTE: Items with * in tables indicates parts not shown in drawing

TRAM

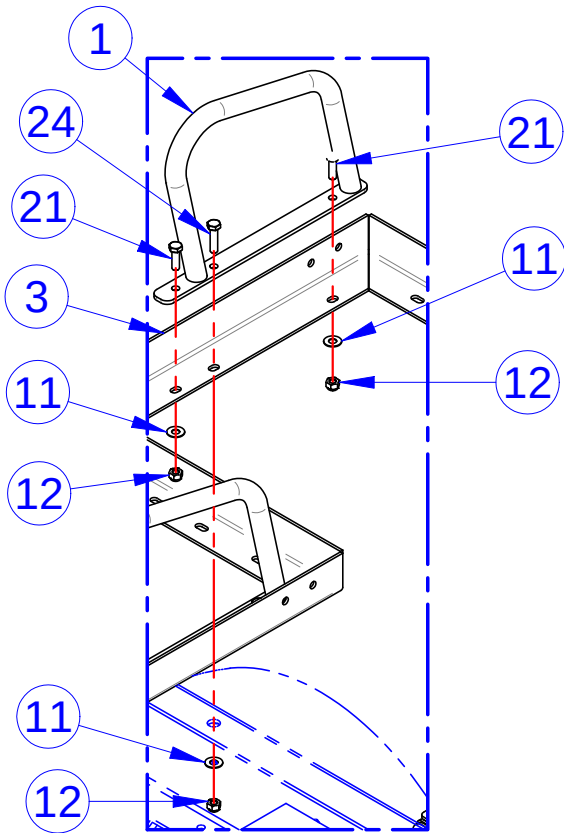
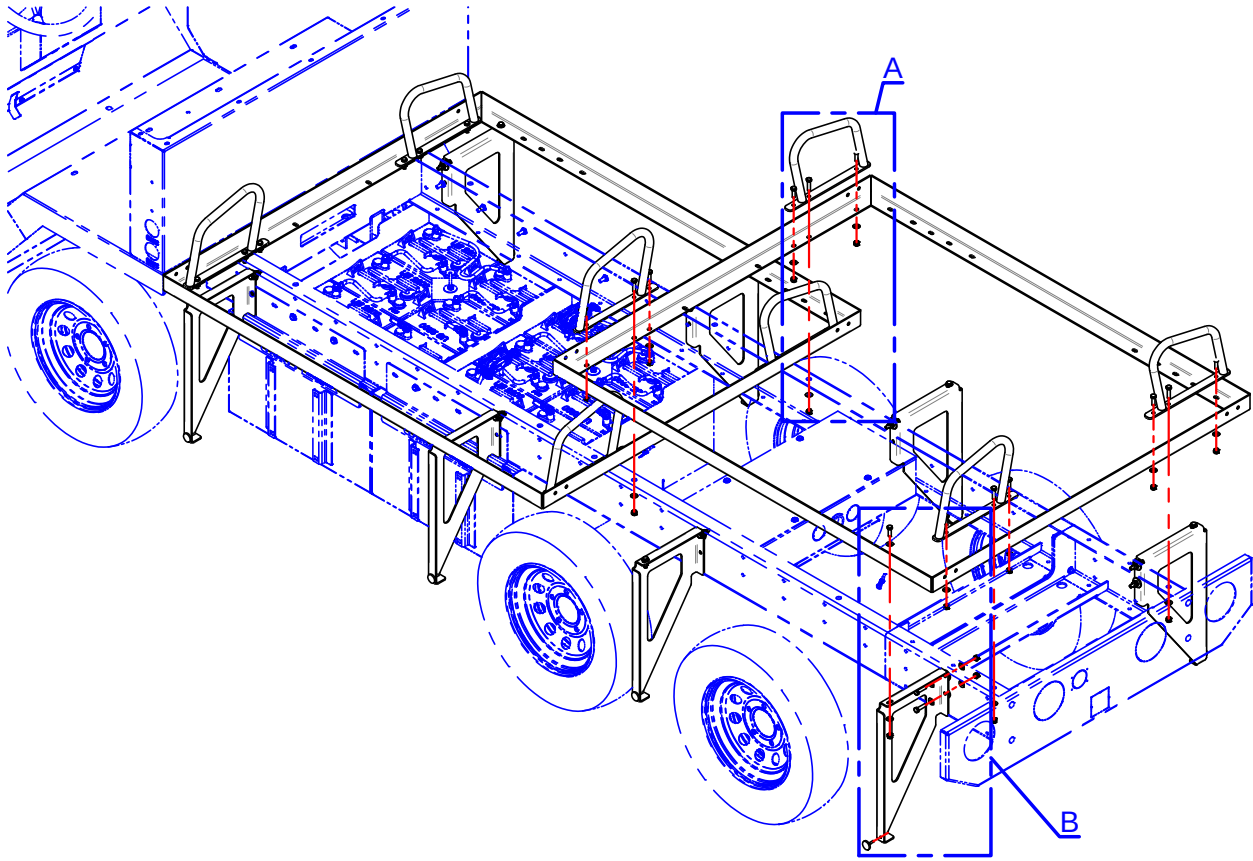


THE FOLLOWING PAGES SHARE THIS BOM.

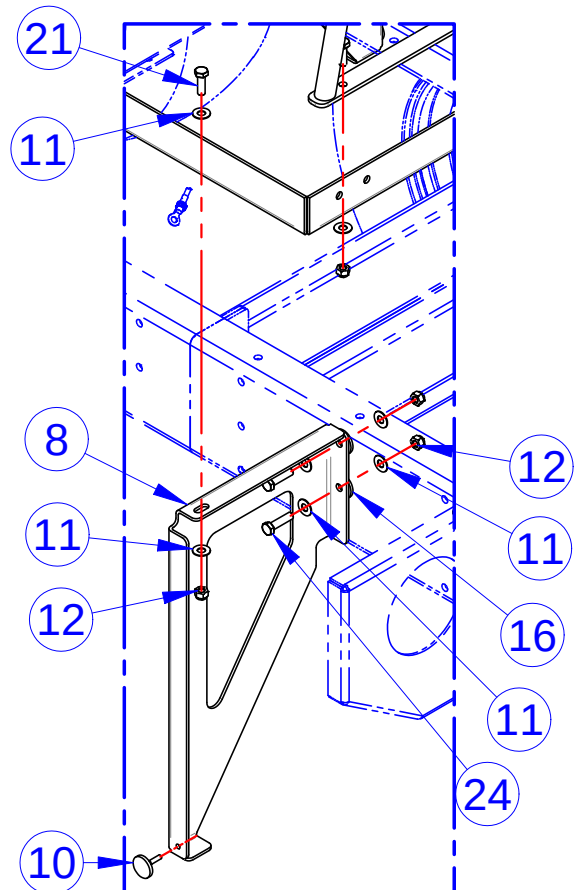
ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG303393TB	CPC WLDMT HANDRAIL UTIL	8	303393
2	CVG309529SL	WELDM'T, FTREST - MVP TRAM	4	309529
3	CVG309628	FRAME, SEAT, MVP TRAM	2	309628
4	CVG313018TB	WLDMT, BRKT, HNDRL, FTRST	4	313018
5	CVG313019TB	WLDMT, HANDRAIL, FOOTREST	4	313019
6	CVG500710	UNI-SWIVEL POLY BEARING	4	500710
7	CVG512864	FRAME, SPRT - BOT CUSH, MVP TRAM	2	512864
8	CVG512952	GUSSET, RUNNING BOARD	8	512952
9	CVG516678TB	PLATE, MTG - FOOTREST	8	516678
10	CVG709011	BOOT, RUBBER BUMPER	8	709011
11	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	128	719375
12	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	86	719377
13	CVG719526	CAPLUG, 7/8 SQ, FP-165	8	719526
14	CVG719580	SCREW,1/2X1/2X3/16-18,SHLDR,18-8SS	4	719580
15	CVG719791	WASHER FLT DELRIN .510X1.403X.03	4	719791
16	CVG719797	WASHER, FLT STL BLK ZNC .391 X 1.125	10	719797
17	CVG761292	SCR,5/16-18X1.0,CARR,18-8S/S	28	761292
18	CVG781694	NUT, 5/16-18 HEX, FLANGE, SERR, S/S	8	781694
19	CVG781701	NUT, 3/8-16 FLANGE 2-WAY LOCK, S/S	4	781701
20	CVG782533	RETRACTABLE PLUNGER	4	782533
21	CVG782720	SCR, 5/16-18 X 1, HHCS, 18-8, S/S	40	782720
22	CVG782721	SCR, 5/16-18 X 0.75, HHCS, 18-8, S/S	8	782721
23	CVG782821	WASHER,1/2X1.375OD,F/W,ECOGUARD	8	782821
24	CVG782841	SCREW,5/16-18X1-1/4,HHCS, 18-8SS	18	782841

NOTE: Items with * in tables indicates parts not shown in drawing

TRAM (SEAT FRAME)



DETAIL A



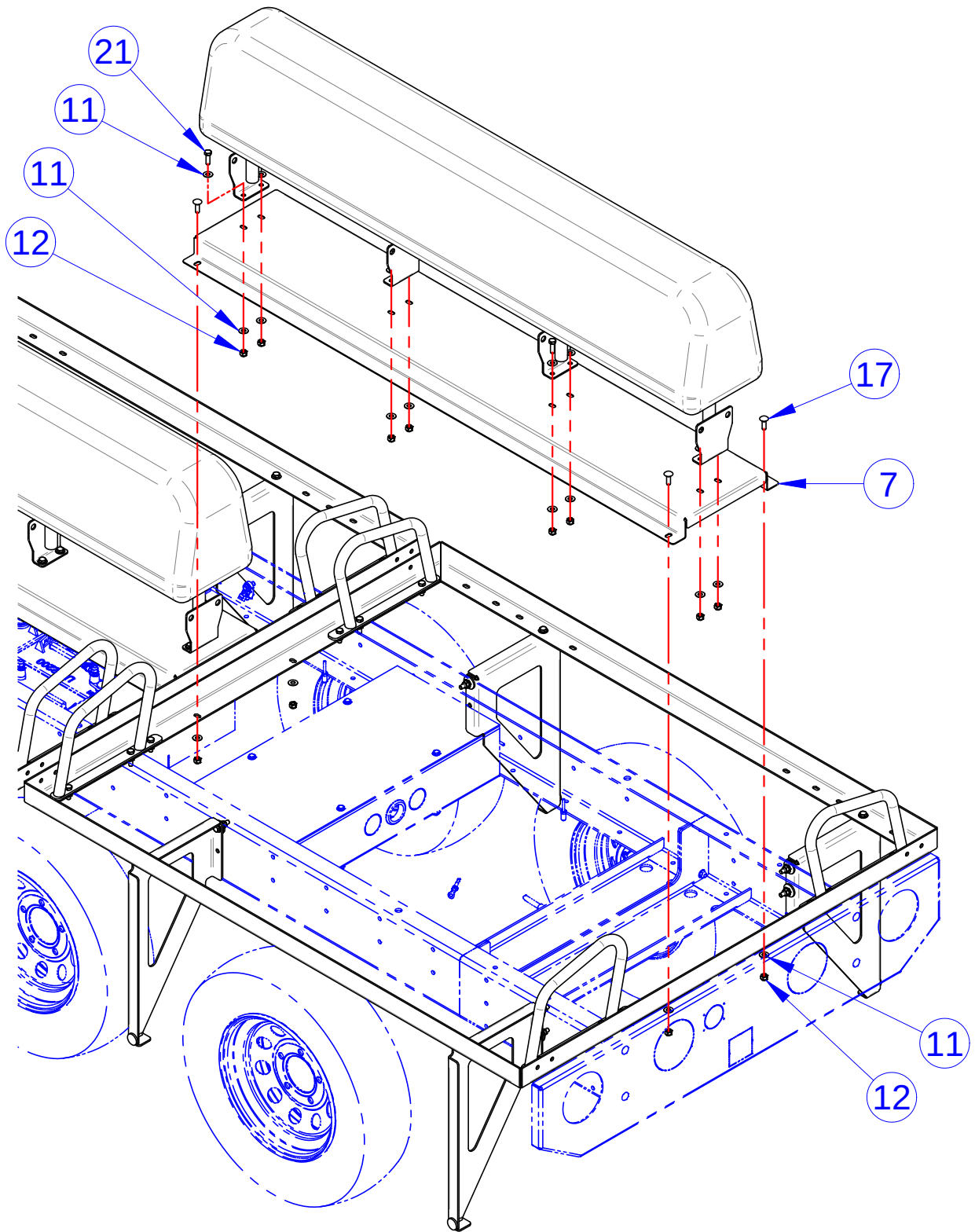
DETAIL B

NOTE: Items with * in tables indicates parts not shown in drawing

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TRAM (BACK REST)

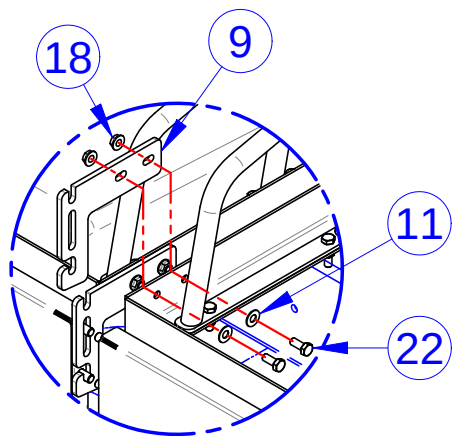
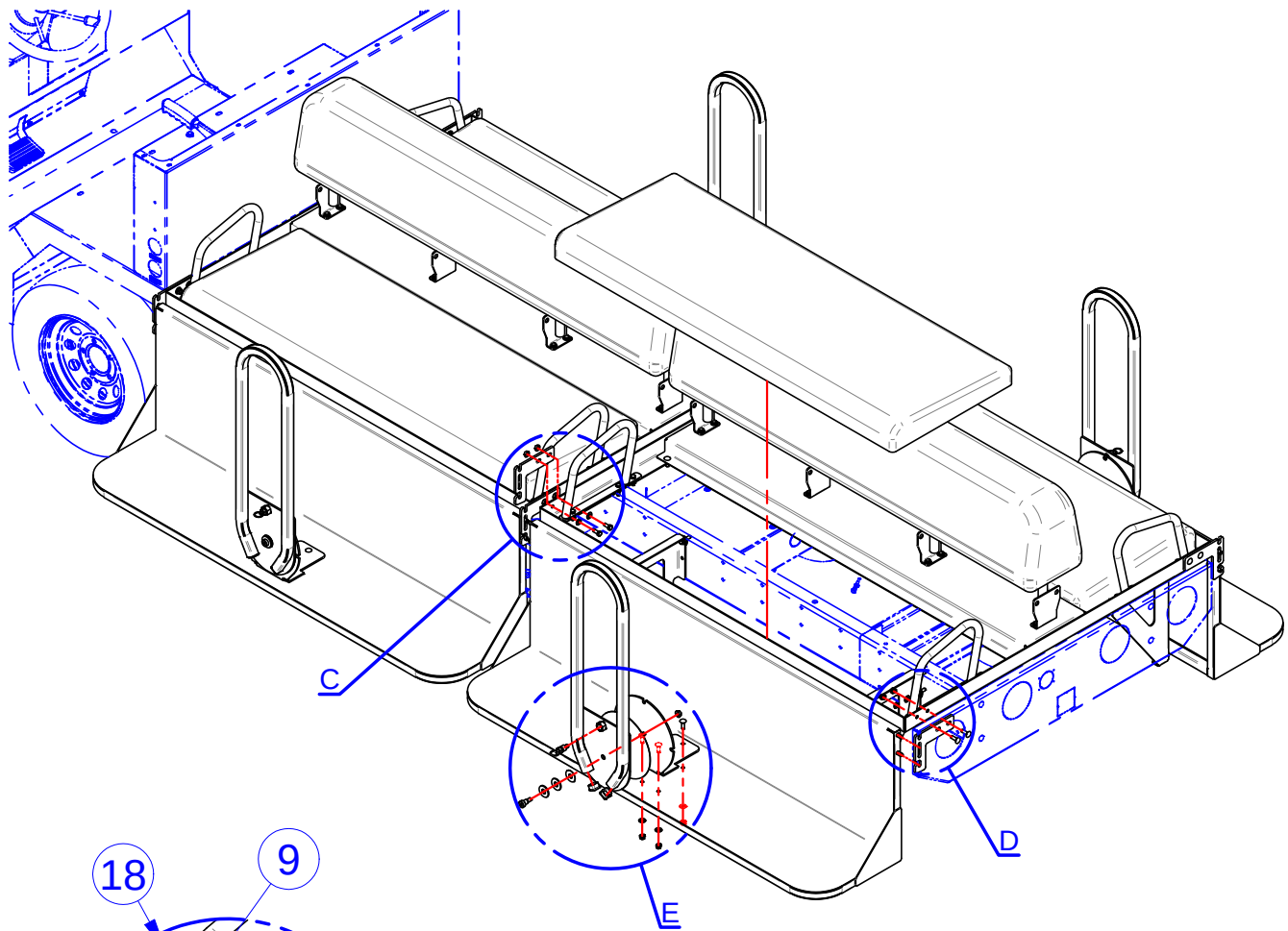


NOTE: Items with * in tables indicates parts not shown in drawing

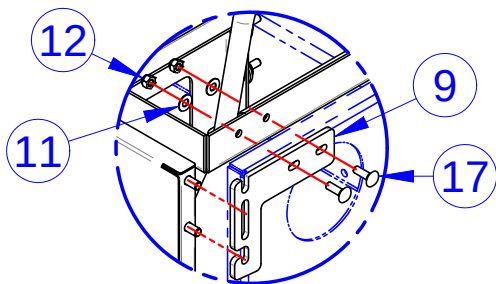
Columbia Vehicle Group, Inc.
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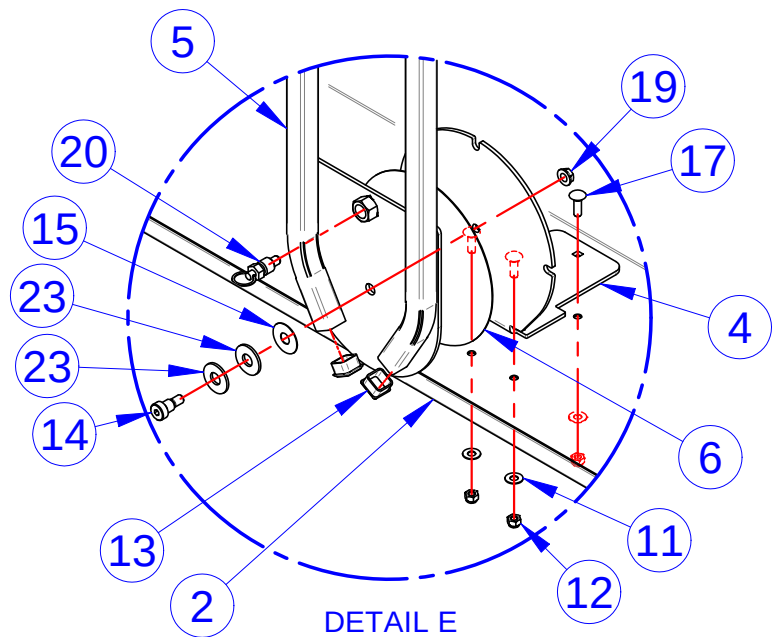
TRAM (FOOTREST)



DETAIL C



DETAIL D



DETAIL E

NOTE: Items with * in tables indicates parts not shown in drawing

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NOTE: Items with * in tables indicates parts not shown in drawing

Columbia Vehicle Group, Inc.

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COLUMBIA

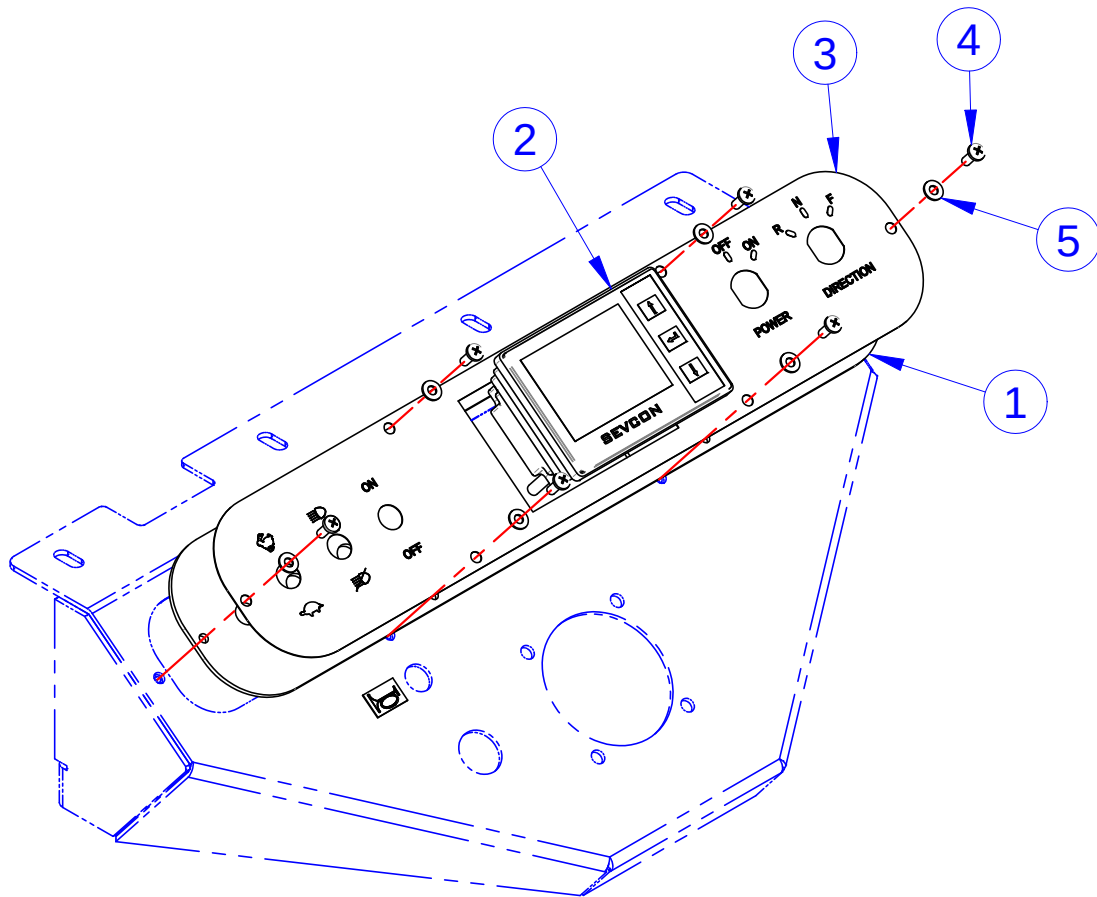
CUSTOM PLATFORM

PARTS MANUAL SECTION 6

ELECTRICAL



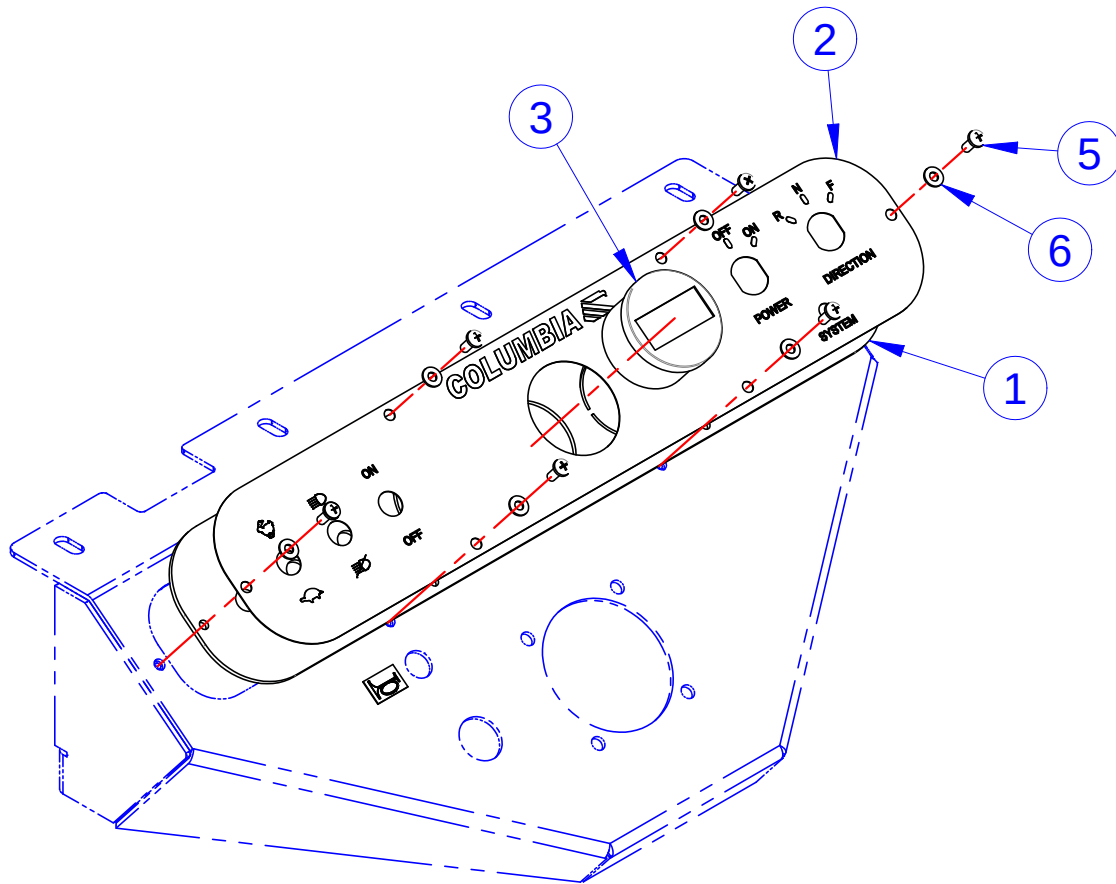
DISPLAY PANEL, BDI WITH SPEEDOMETER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG516300	PANEL, DASH, CLEARVIEW, MVP	1	516300
2	CVG760958	DISPLAY, CLEARVIEW, SEVCON	1	760958
3	CVG761171	DASH OVERLAY - MVP AC DRIVE	1	761171
4	CVG761632	SCREW, #10-24X1/2" PPH GRD 18-8 SS	6	761632
5	CVG782722	WSHR, #10 X 0.438 X 0.031, F/W, 18-8SS	6	782722

NOTE: Items with * in tables indicates parts not shown in drawing

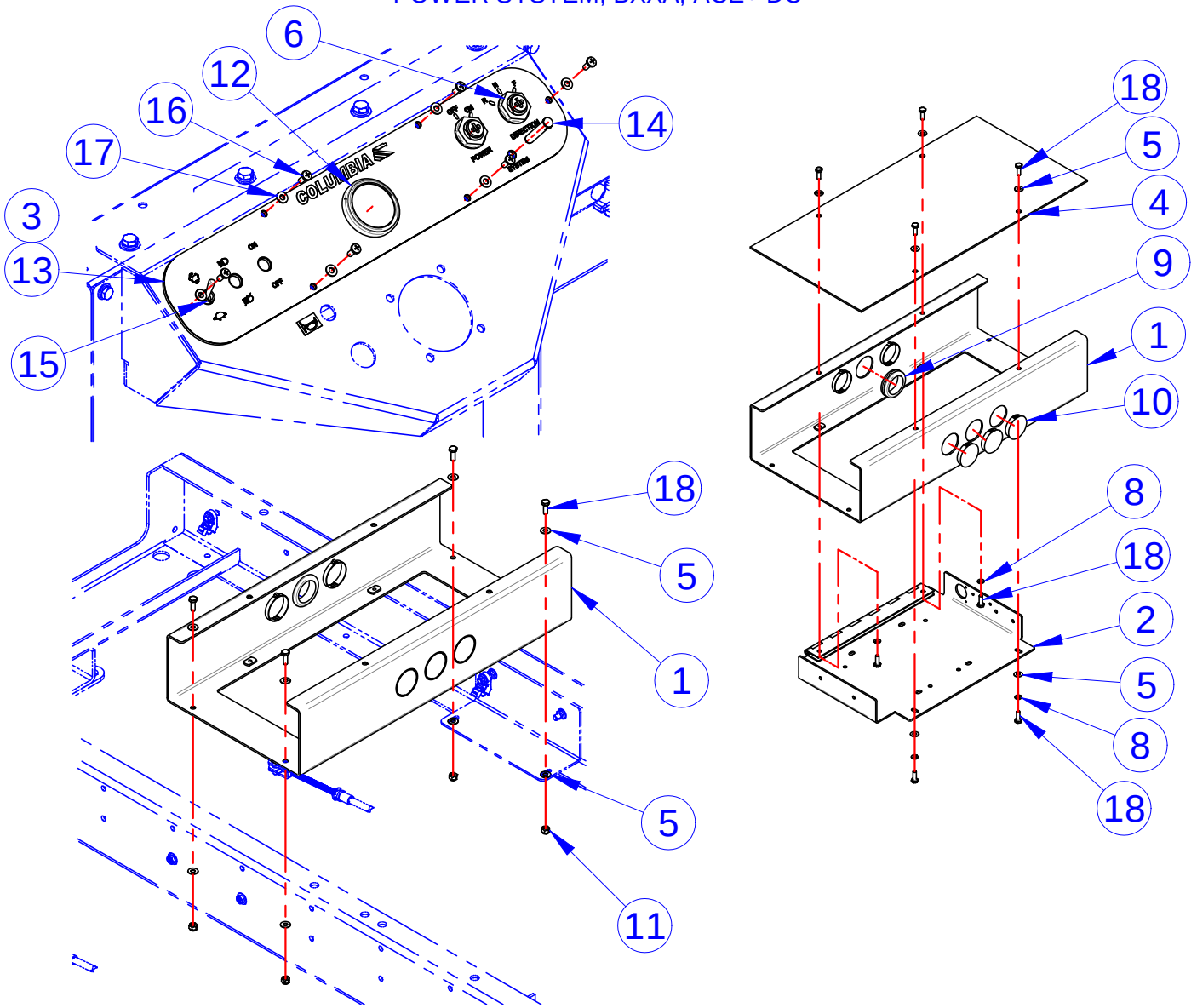
DISPLAY PANEL, BDI



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG512263	PLATE, INNER DASH INSERT	1	512263
2	NONE	DASH OVERLAY - MVP	1	759910
3	CVG761154	DISPLAY,SMART VIEW	1	761154
4*	CVG761157	HARNESS, DISPLAY ADAPTER, AC DR	1	761157
5	CVG761632	SCREW, #10-24X1/2" PPH GRD 18-8 SS	6	761632
6	CVG782722	WSHR, #10 X 0.438 X 0.031, F/W, 18-8SS	6	782722

NOTE: Items with * in tables indicates parts not shown in drawing

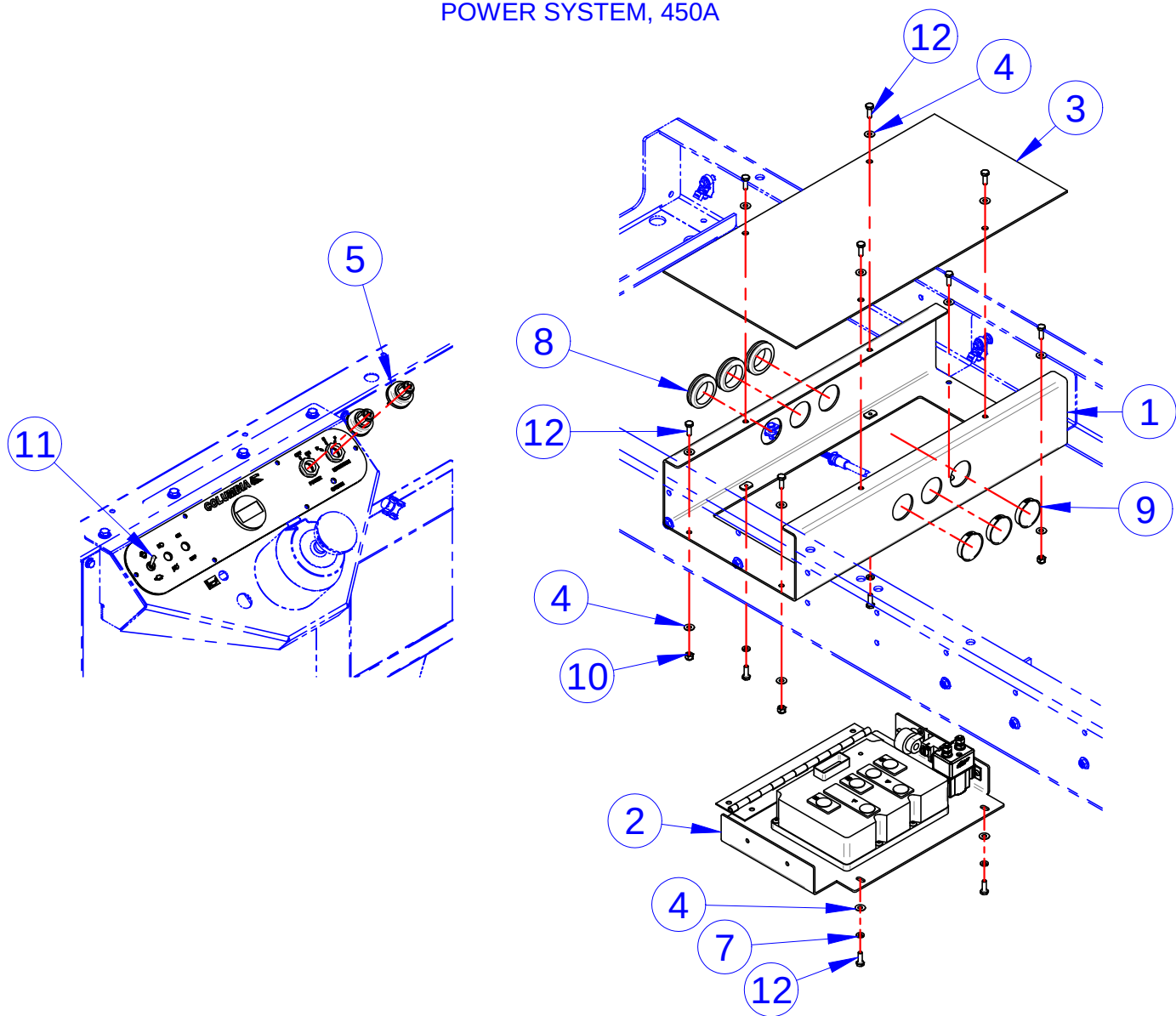
POWER SYSTEM, BXXA, ACE+ DC



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	NONE	WLDMT - CONTROLS HANGER	1	309107
2	CVG467564	ASSY, DC CNTRL, MVP (BXXA)	1	467564
3	CVG512263	PLATE, INNER DASH INSERT	1	512263
4	NONE	COVER, CONTROL PANEL - MVP	1	512548
5	CVG708511	WASHER, FLAT, 1/4", 18-8SS	14	708511
6	CVG709040	KEYSWITCH, UNIVERSAL "A" W/HRDWR	1	709040
7*	CVG719355	MOLDING, BLACK	0.25	719355
8	CVG719378	WSHR, 1/4 (M6), L/W, SPLIT, 18-8, S/S	4	719378
9	CVG719523	GROMMET, 1-1/2"ID, 3/16"X1-3/4" HOLE	1	719523
10	CVG719530	PLUG, 1.75" BLACK PLASTIC	5	719530
11	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	4	719876
12	CVG759842	BDI, 48V - VOLTMETER STYLE	1	759842
13	NONE	DASH OVERLAY - MVP	1	759910
14	CVG759932	INDICATOR, LED, SERIES 22	1	759932
15	CVG760600	SWITCH, TOGGLE, LIGHTS ON-OFF	1	760600
16	CVG761632	SCREW, #10-24X1/2" PPH GRD 18-8 SS	6	761632
17	CVG782722	WSHR, #10 X 0.438 X 0.031, F/W, 18-8SS	6	782722
18	CVG782784	SCREW, 1/4-20X3/4, HHCS, 18-8SS	12	782784

NOTE: Items with * in tables indicates parts not shown in drawing

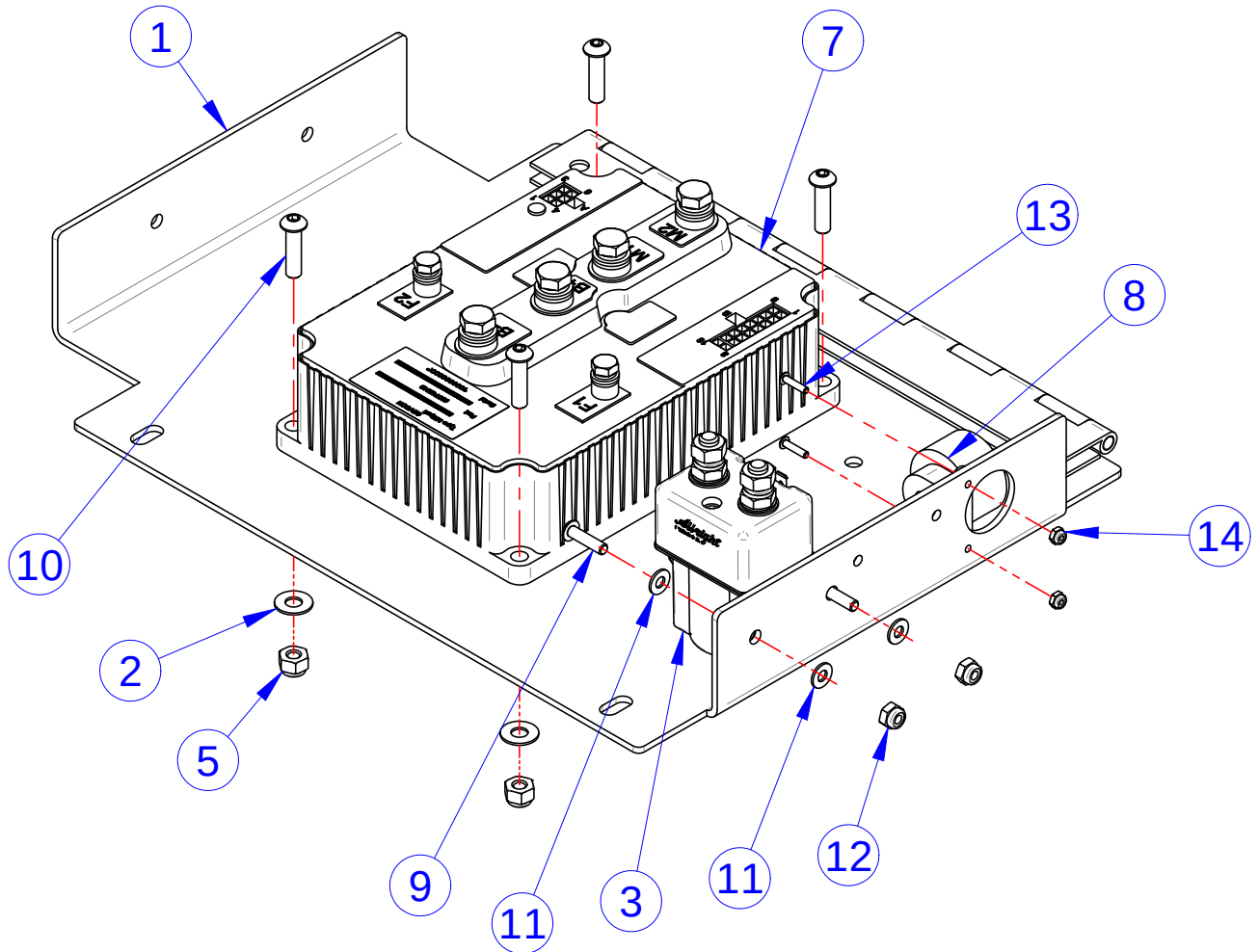
POWER SYSTEM, 450A



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	NONE	WLD M'T - CONTROLS HANGER	1	309107
2	CVG468043	ASSY, 450A AC CNTRL, MVP	1	468043
3	NONE	COVER, CONTROL PANEL - MVP	1	512548
4	CVG708511	WASHER, FLAT, 1/4", 18-8SS	14	708511
5	CVG709040	KEYSWITCH, UNIVERSAL "A" W/HRDWR	1	709040
6*	CVG719355	MOLDING, BLACK	0.25	719355
7	CVG719378	WSHR, 1/4 (M6), L/W, SPLIT, 18-8, S/S	4	719378
8	CVG719523	GROMMET, 1-1/2"ID, 3/16"X1-3/4" HOLE	3	719523
9	CVG719530	PLUG, 1.75" BLACK PLASTIC	3	719530
10	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	4	719876
11	CVG760600	SWITCH, TOGGLE, LIGHTS ON-OFF	1	760600
12	CVG782784	SCREW, 1/4-20X3/4, HHCS, 18-8SS	12	782784

NOTE: Items with * in tables indicates parts not shown in drawing

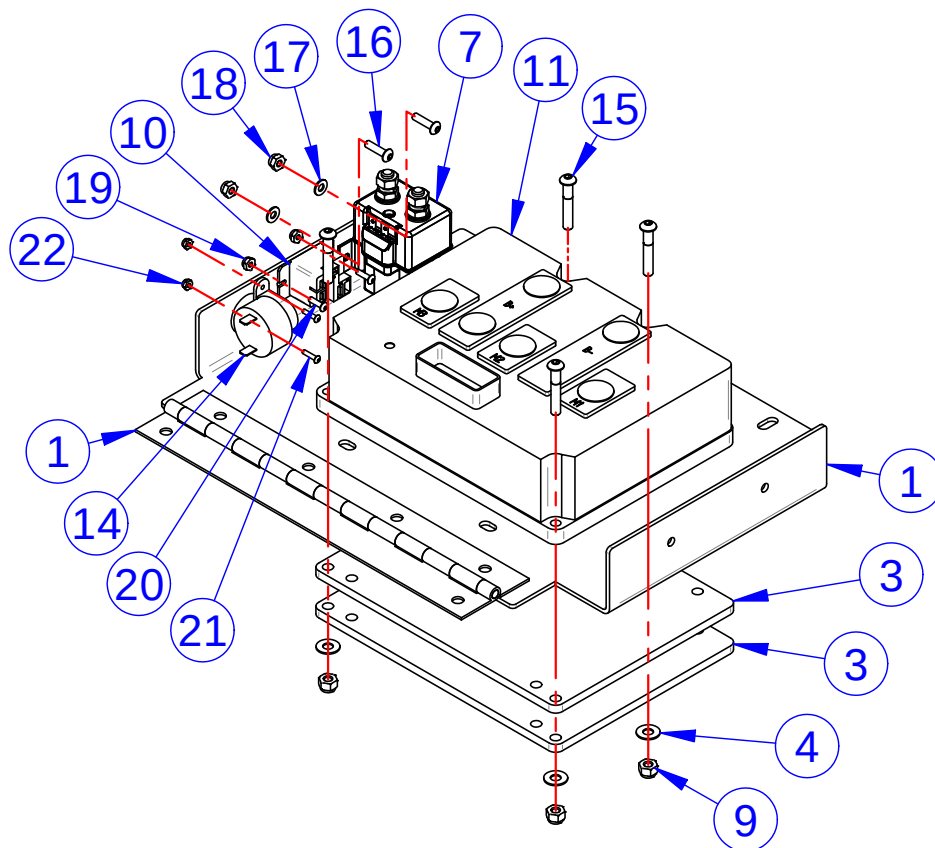
DC CONTROL



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	NONE	WELDM'T, CONTROLS PANEL	1	309106
2	CVG708511	WASHER, FLAT, 1/4", 18-8SS	4	708511
3	CVG709166	CONTACTOR W. MTG BRKT - 24 V COIL	1	709166
4*	CVG719504	CABLE TIE,BLACK, .18X11-3/4,STD,50LB	2	719504
5	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	4	719876
6*	CVG760014	WIRE HARNESS, MAIN - MVP	1	760014
7	NONE	CNTRL, SEVCON REGEN, B, HP, 24-48V	1	760576
8	CVG761678	BUZZER,REVERSE	1	761678
9	CVG782708	SCR, #10-32 X 0.75, BSHCS, 18-8, S/S	2	782708
10	CVG782719	SCR, 1/4-20 X 1, BSHCS, 18-8, S/S	4	782719
11	CVG782722	WSHR, #10 X 0.438 X 0.031, F/W, 18-8SS	4	782722
12	CVG782723	NUT, #10-32, L/N, NYL, NM, 18-8, S/S	2	782723
13	CVG782883	SCR, #4-40 X 0.5, BSHCS, 18-8, S/S	2	782883
14	CVG782884	NUT, #4-40, L/N, NYL, NM, 18-8, S/S	2	782884

NOTE: Items with * in tables indicates parts not shown in drawing

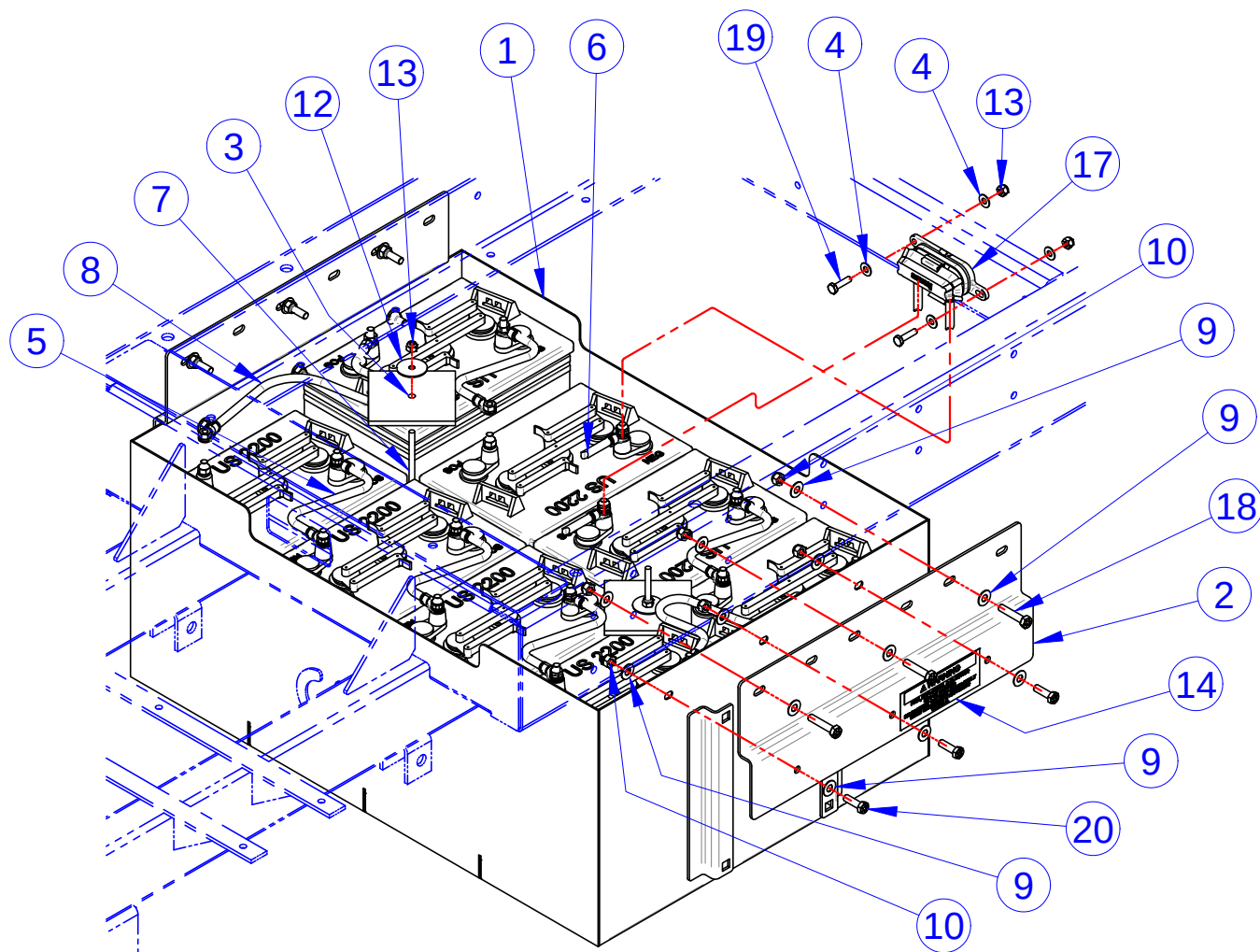
450A AC CONTROL



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG309106	WELDM'T, CONTROLS PANEL	1	309106
2*	CVG468050	HARNESS, CHARGER INTERLOCK EXT, MVP	1	468050
3	CVG515379	PLATE, HEAT SINK	2	515379
4	CVG708511	WASHER, FLAT, 1/4", 18-8SS	4	708511
5*	CVG709004	CABLE, 4GA X 8.75", 5/16" TERM	1	709004
6*	CVG709411	CABLE, 4GA X 61.50", 5/16" TERM	2	709411
7	CVG709590	CONTACTOR, SINGLE- 48V COILS	1	709590
8*	CVG719504	CABLE TIE,BLACK,.18X11-3/4,STD,50LB	2	719504
9	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	4	719876
10	CVG759829	RELAY, 48VDC, SPSTNO, 20	1	759829
11	CVG760956	GEN4 CONTROLLER - SEVCON 450A	1	760956
12*	CVG761057	HARNESS - SEVCON AC, BC	1	761057
13*	CVG761063	CABLE, MOTOR, SEVCON AC, 25.5"	3	761063
14	CVG761720	BUZZER, REVERSE, CONT	1	761720
15	CVG782707	SCR, 1/4-20 X 1.5, BSHCS, 18-8, S/S	4	782707
16	CVG782708	SCR, #10-32 X 0.75, BSHCS, 18-8, S/S	2	782708
17	CVG782722	WSHR, #10 X 0.438 X 0.031, F/W, 18-8SS	2	782722
18	CVG782723	NUT, #10-32, L/N, NYL, NM, 18-8, S/S	2	782723
19	CVG782738	NUT, #6-32, L/N, NYL, NM, 18-8, S/S	2	782738
20	CVG782744	SCR, #6-32 X 0.5, BSHCS, 18-8, S/S	2	782744
21	CVG782883	SCR, #4-40 X 0.5, BSHCS, 18-8, S/S	2	782883
22	CVG782884	NUT, #4-40, L/N, NYL, NM, 18-8, S/S	2	782884

NOTE: Items with * in tables indicates parts not shown in drawing

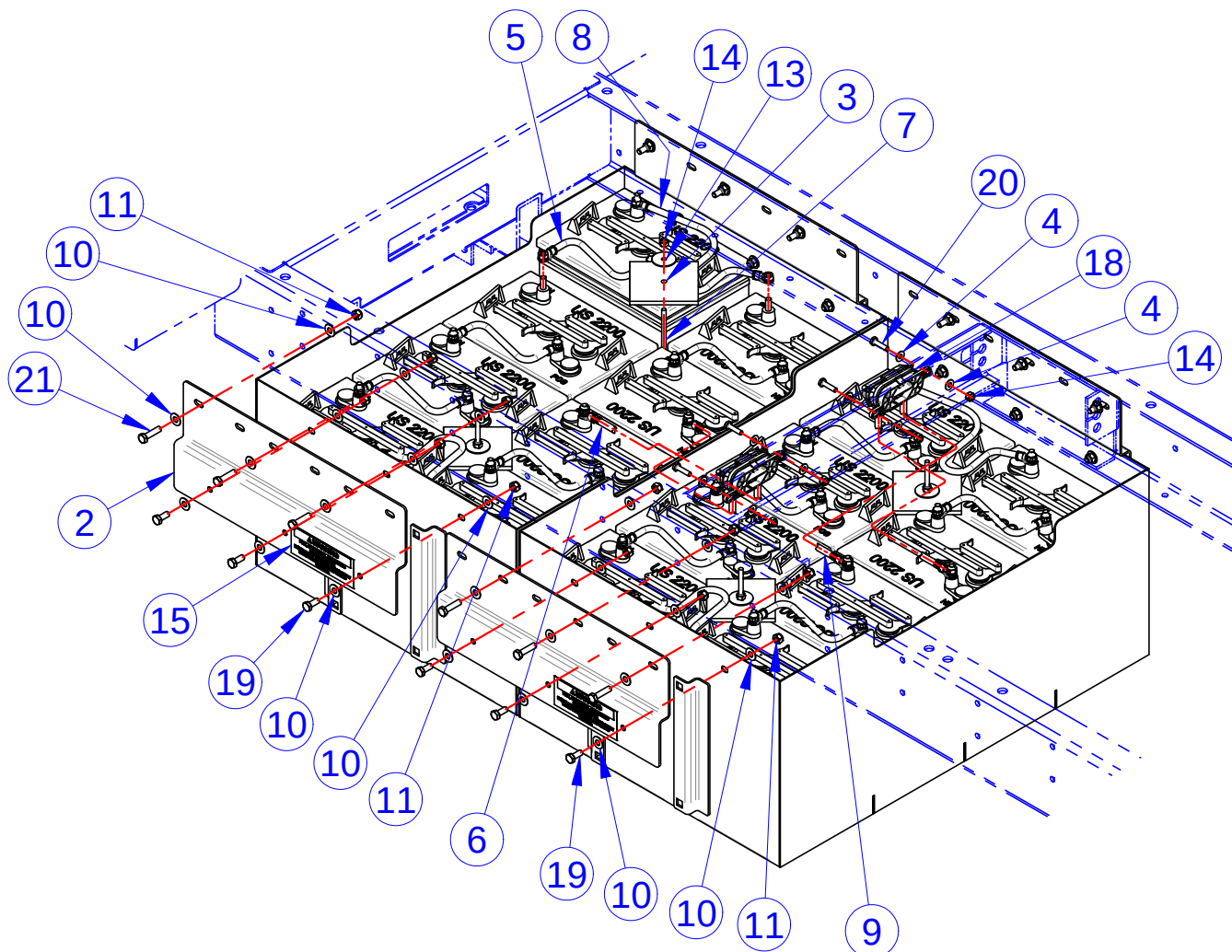
SINGLE BATTERY TRAY



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG309095	WLDM'T, BTRY BOX - MVP	1	309095
2	CVG512272	BRKT, TRAY HANGER	2	512272
3	CVG513002	PLATE, BATTERY HOLD DOWN	2	513002
4	CVG708511	WASHER, FLAT, 1/4", 18-8SS	4	708511
5	CVG709004	CABLE, 4GA X 8.75", 5/16" TERM	5	709004
6	CVG709019	CABLE, 4GA X 37.00", 5/16" TERM	2	709019
7	CVG709059	ROD, BATTERY HOLD DOWN	2	709059
8	CVG709600	CABLE, 4GA X 16.75", 5/16" TERM	2	709600
9	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	24	719375
10	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	12	719377
11*	CVG719504	CABLE TIE,BLACK,,18X11-3/4,STD,50LB	8	719504
12	CVG719786	WASHER FLT STAINLESS .28X1.375X.06	2	719786
13	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	4	719876
14	CVG739546	DECAL BATTERY BOX WARNING	2	739546
15*	CVG749180	WIRE MARKER, POSITIVE	0.06	749180
16*	CVG749181	WIRE MARKER, NEGATIVE	0.06	749181
17	CVG759792	BLOCK, POWER DISTRIBUTION	1	759792
18	CVG781924	SCREW,5/16-18X1-1/2,HHCS,G8,MAG525	6	781924
19	CVG782785	SCREW,1/4-20X1.0,HHCS,18-8SS	2	782785
20*	CVG782831	SCREW,5/16-18X1,HHCS,MAGNI 525	6	782831

NOTE: Items with * in tables indicates parts not shown in drawing

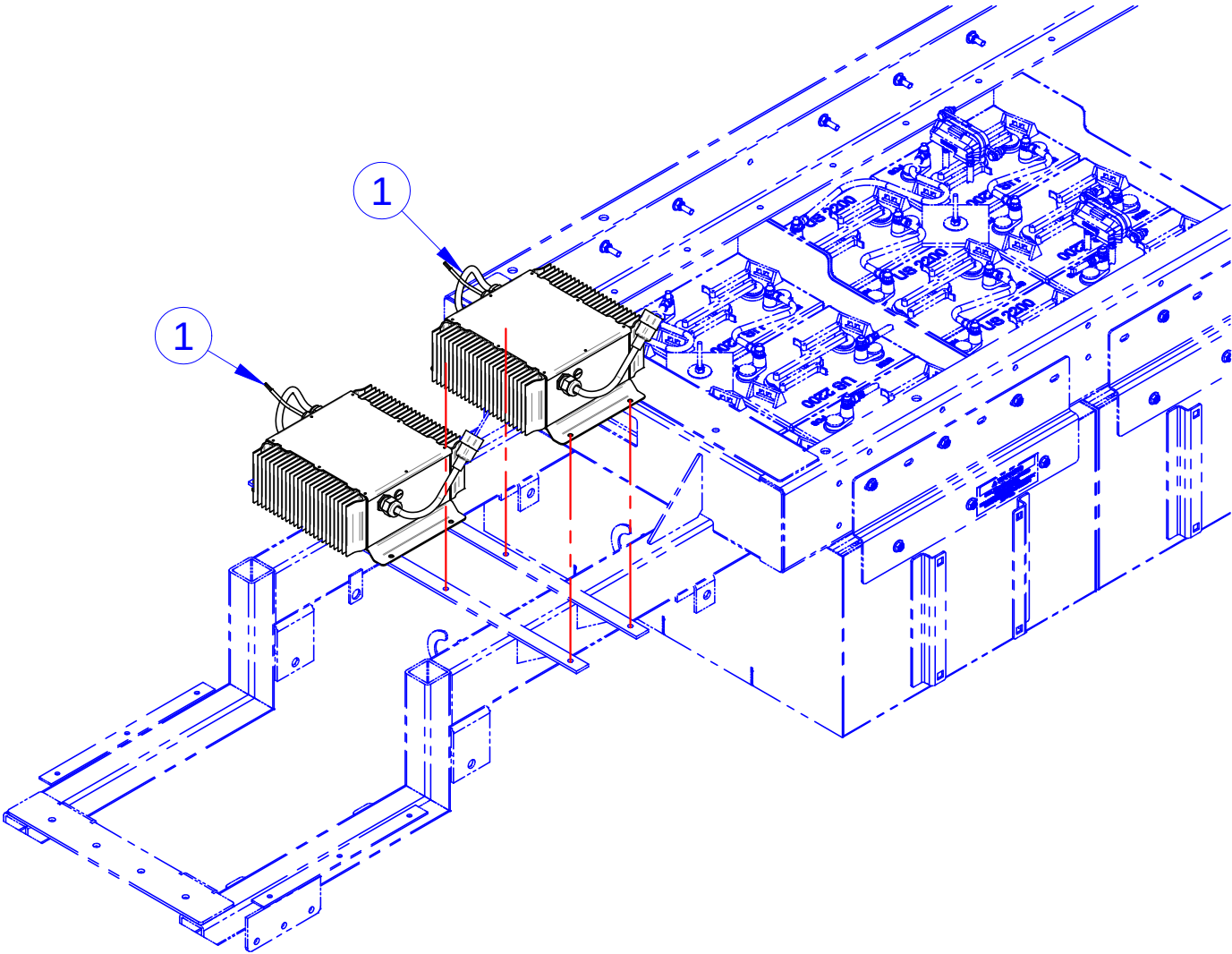
DUAL BATTERY TRAY



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1*	CVG309095	WLDM'T, BTRY BOX - MVP	2	309095
2	CVG512272	BRKT, TRAY HANGER	4	512272
3	CVG513002	PLATE, BATTERY HOLD DOWN	4	513002
4	CVG708511	WASHER, FLAT, 1/4", 18-8SS	8	708511
5	CVG709004	CABLE, 4GA X 8.75", 5/16" TERM	10	709004
6	CVG709019	CABLE, 4GA X 37.00", 5/16" TERM	2	709019
7	CVG709059	ROD, BATTERY HOLD DOWN	4	709059
8	CVG709600	CABLE, 4GA X 16.75", 5/16" TERM	5	709600
9	CVG709732	CABLE, 4GA X 25.50", 5/16" TERM	2	709732
10	CVG719375	WSHR,5/16X0.75X0.040,FW,18-8S/S	48	719375
11	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	24	719377
12*	CVG719504	CABLE TIE,BLACK,.18X11-3/4,STD,50LB	16	719504
13	CVG719786	WASHER FLT STAINLESS .28X1.375X.06	4	719786
14	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	8	719876
15	CVG739546	DECAL BATTERY BOX WARNING	4	739546
16*	CVG749180	WIRE MARKER, POSITIVE	0.11	749180
17*	CVG749181	WIRE MARKER, NEGATIVE	0.17	749181
18	CVG759792	BLOCK, POWER DISTRIBUTION	2	759792
19	CVG782721	SCR, 5/16-18 X 0.75, HHCS, 18-8, S/S	12	782721
20	CVG782785	SCREW,1/4-20X1.0,HHCS,18-8SS	4	782785
21	CVG782841	SCREW,5/16-18X1-1/4,HHCS, 18-8SS	12	782841

NOTE: Items with * in tables indicates parts not shown in drawing

CHARGER, DUAL



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG760742	CHARGER, DELTA Q - 48V SEALED, W/LED	2	760742

NOTE: Items with * in tables indicates parts not shown in drawing

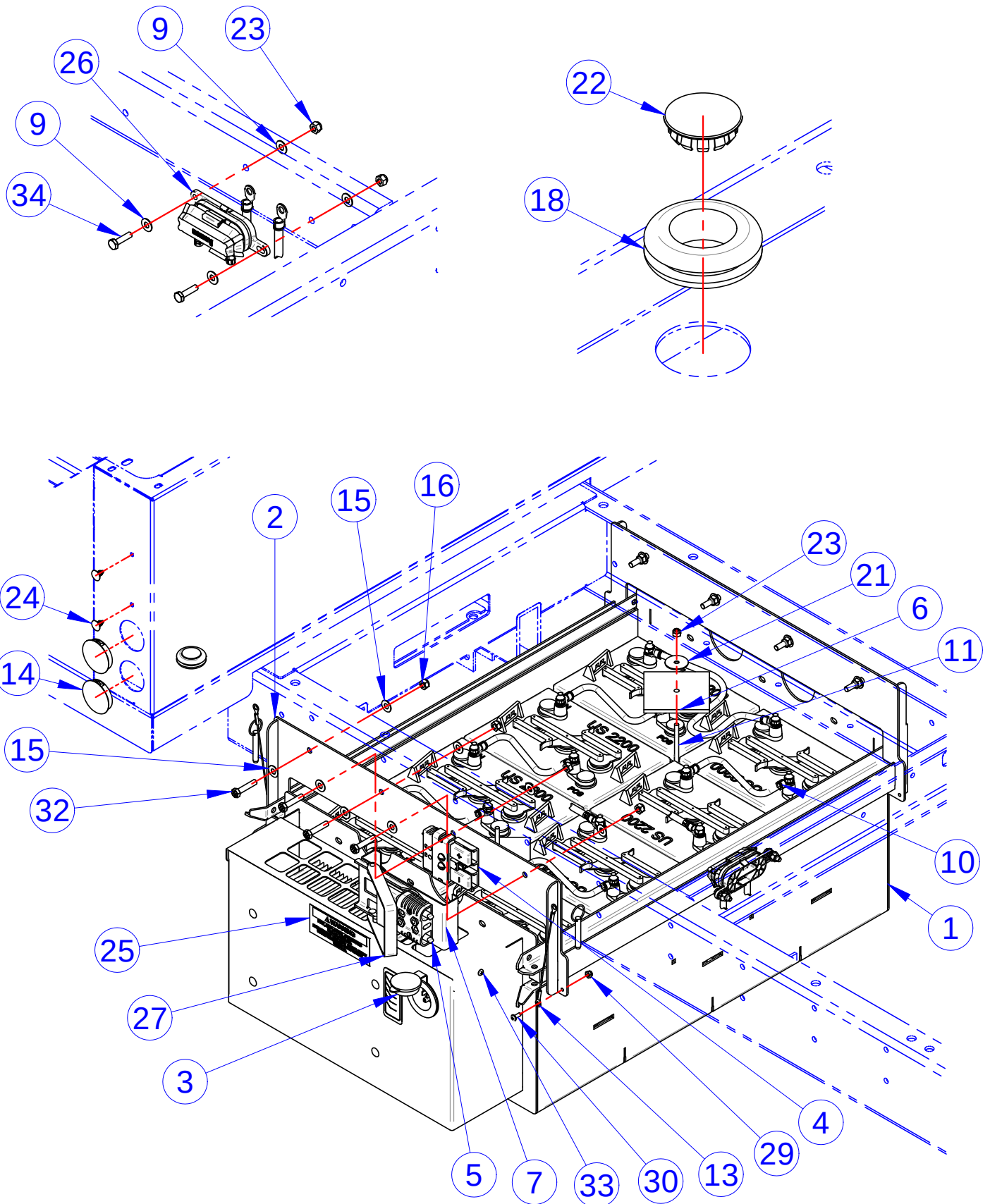
BATTERY TRAY EXCHANGE

DRAWINGS ON FOLLOWING PAGE

ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	NONE	WLDMT, MVP BTRY TRAY, XCHG	1	311791
2	NONE	WLDMT, MVP BTRY FRAME	1	311792
3	CVG467405	ASSY, CHARGER CORD W/ RECEPT	1	467405
4	NONE	ASM, CONNECTOR, MVP BTRY	1	467990
5	NONE	ASM, CONNECTOR, MVP DIST BLCK	1	467991
6	CVG513002	PLATE, BATTERY HOLD DOWN	2	513002
7	NONE	BRKT, CONNECTOR, MVP	1	515395
8*	NONE	COVER, CHARGER, MVP	1	515396
9	CVG708511	WASHER, FLAT, 1/4", 18-8SS	8	708511
10	CVG709004	CABLE, 4GA X 8.75", 5/16" TERM	5	709004
11	CVG709059	ROD, BATTERY HOLD DOWN	2	709059
12*	CVG709600	CABLE, 4GA X 16.75", 5/16" TERM	2	709600
13	CVG709929	LANYARD, 7 3/4" LG	2	709929
14	CVG719214	DOME PLUG, BLACK (FITS 2.00" HOLE)	2	719214
15	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	16	719375
16	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	8	719377
17*	CVG719504	CABLE TIE,BLACK,.18X11-3/4,STD,50LB	8	719504
18	CVG719524	GROMMET,1.00"IDX1.75"ODX.56",RUBBER	1	719524
19*	CVG719525	CAPLUG, 3/4 SQ, FP-161	4	719525
20*	CVG719538	NUT, TINNERMAN, #10 U-TYPE	2	719538
21	CVG719786	WASHER FLT STAINLESS .28X1.375X.06	2	719786
22	CVG719794	PLUG, 1" 12 PRONG HOLE ZNC/CLEAR	1	719794
23	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	8	719876
24	CVG719926	FASTENER, PUSHPNL, .25 X .6875 X .625	2	719926
25	CVG739546	DECAL BATTERY BOX WARNING	2	739546
26	CVG759792	BLOCK, POWER DISTRIBUTION	1	759792
27	CVG760646	TRUCK BRACKET, MANUAL RELEASE	1	760646
28*	CVG761320	PIN, 5/16 X 1.63, HITCH, COTTERLESS DETENT, S/S	2	761320
29	CVG761631	NUT, #10-24 GRD 18-8 NM SS NYLOCK	2	761631
30	CVG761632	SCREW, #10-24X1/2" PPH GRD 18-8 SS	2	761632
31*	CVG781739	SCR, 1/4-20 X 0.75, CARR, 18-8, S/S	4	781739
32	CVG781924	SCREW,5/16-18X1-1/2,HHCS,G8,MAG525	8	781924
33	CVG782728	SCR, #10-16 X 0.50, PPH, SMS, TB, 18-8, S/S	2	782728
34	CVG782785	SCREW,1/4-20X1.0,HHCS,18-8SS	2	782785

NOTE: Items with * in tables indicates parts not shown in drawing

BATTERY TRAY EXCHANGE

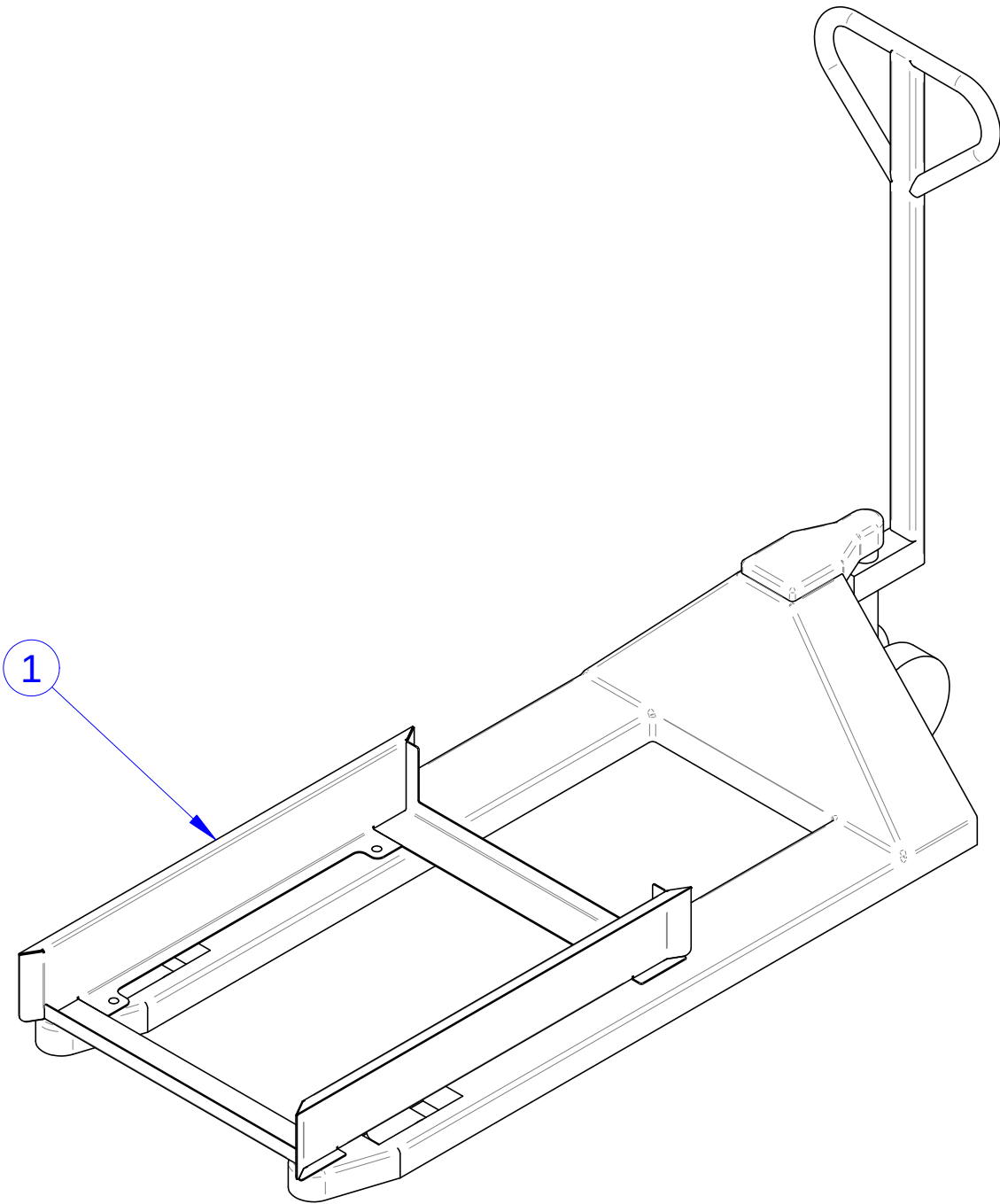


NOTE: Items with * in tables indicates parts not shown in drawing

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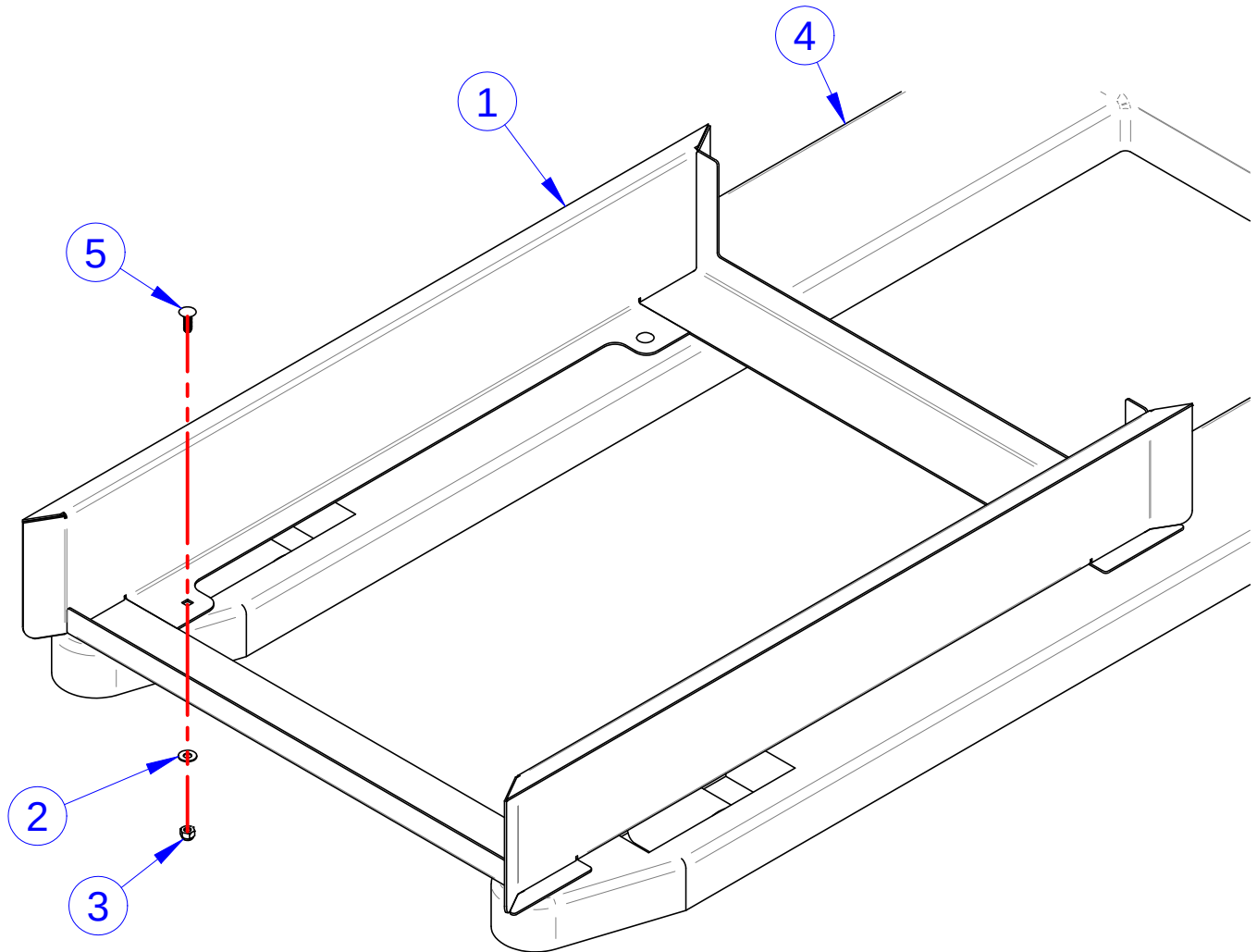
BATTERY TRANSFER STAND



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	NONE	ASM, MVP X-FER STAND	1	467987

NOTE: Items with * in tables indicates parts not shown in drawing

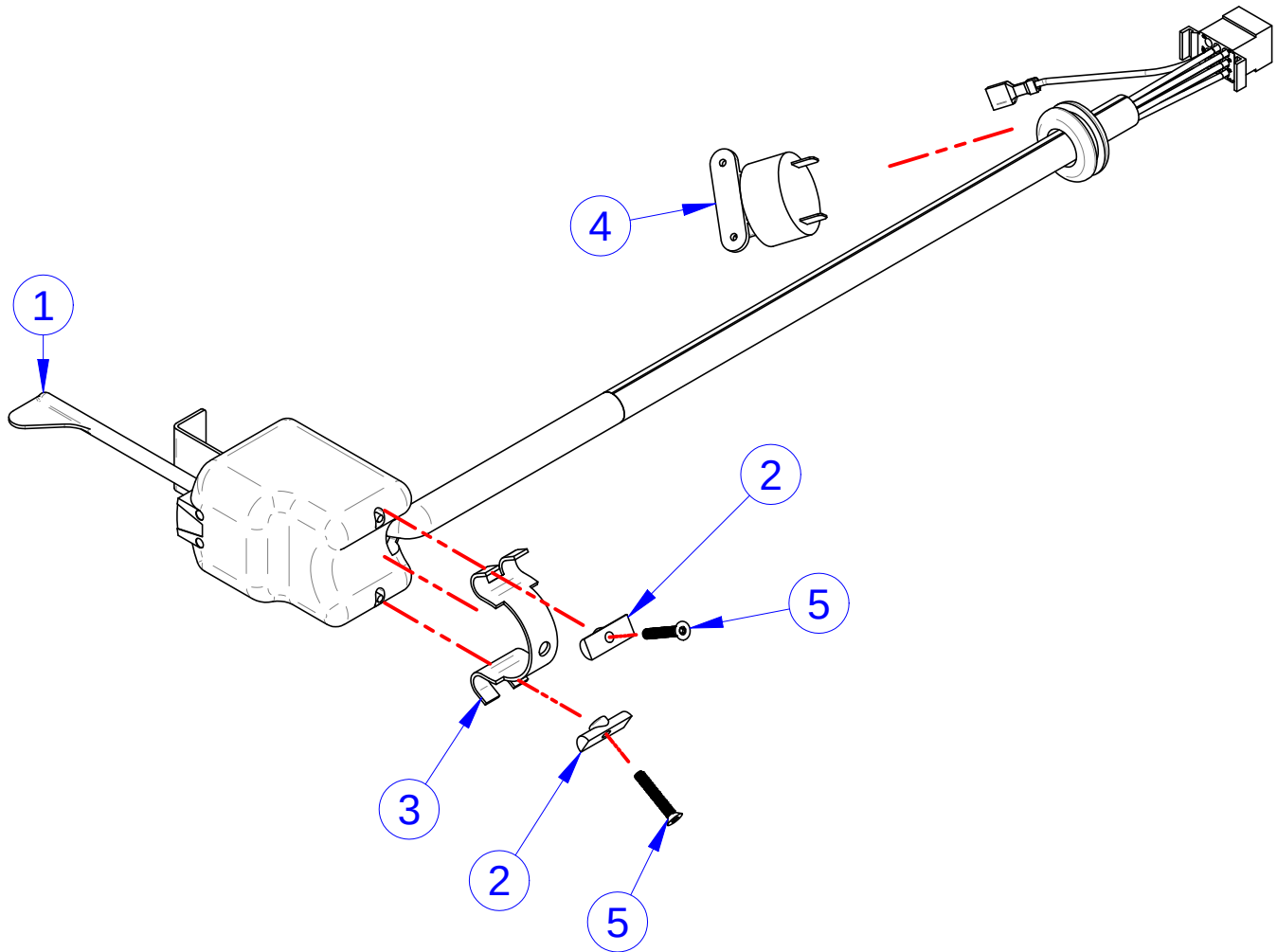
TRANSFER STAND



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	NONE	WLDMT, MVP X-FER STAND	1	311793
2	CVG708511	WASHER, FLAT, 1/4", 18-8SS	4	708511
3	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	4	719876
4	NONE	PALLET JACK	1	759769
5	CVG781739	SCR, 1/4-20 X 0.75, CARR, 18-8, S/S	4	781739

NOTE: Items with * in tables indicates parts not shown in drawing

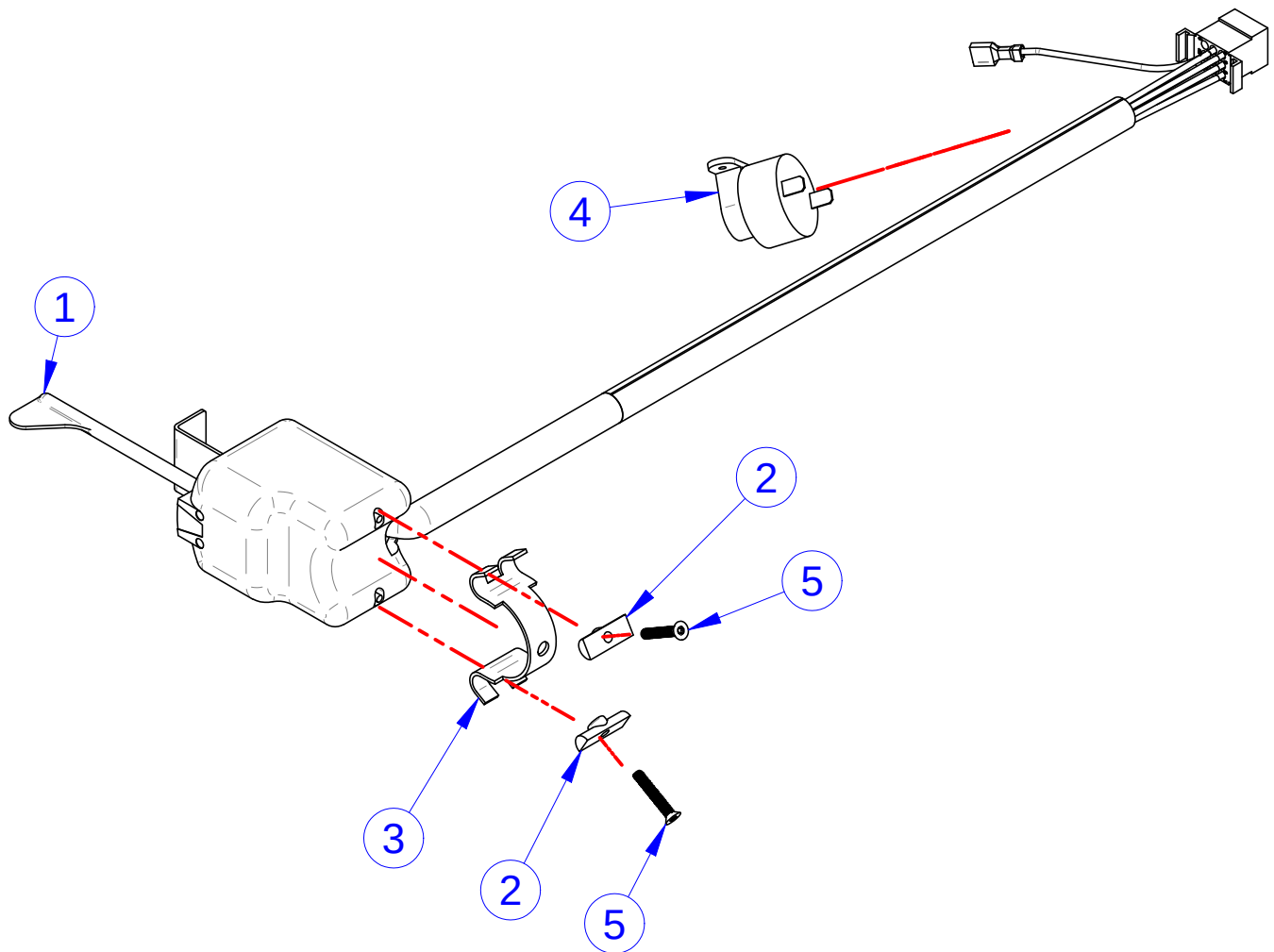
TURN SWITCH W/ BRACKET & GROMMET



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-5	CVG467590	P&A,ASM, TURN SWITCH, W/BRKT & GRMT	KIT	467590
1	CVG464193	ASSY, TURN SWITCH, W/ GROMMET	1	464193
2	CVG467385	PAINTED ROCKER, TURN SWITCH BRACKET	2	467385
3	CVG513705	CVG TURN SWITCH BRACKET	1	513705
4	CVG761720	BUZZER, REVERSE, CONT	1	761720
5	CVG783106	SCR, #8-32 X 1, 6FMS, 18-8, SS	2	783106

NOTE: Items with * in tables indicates parts not shown in drawing

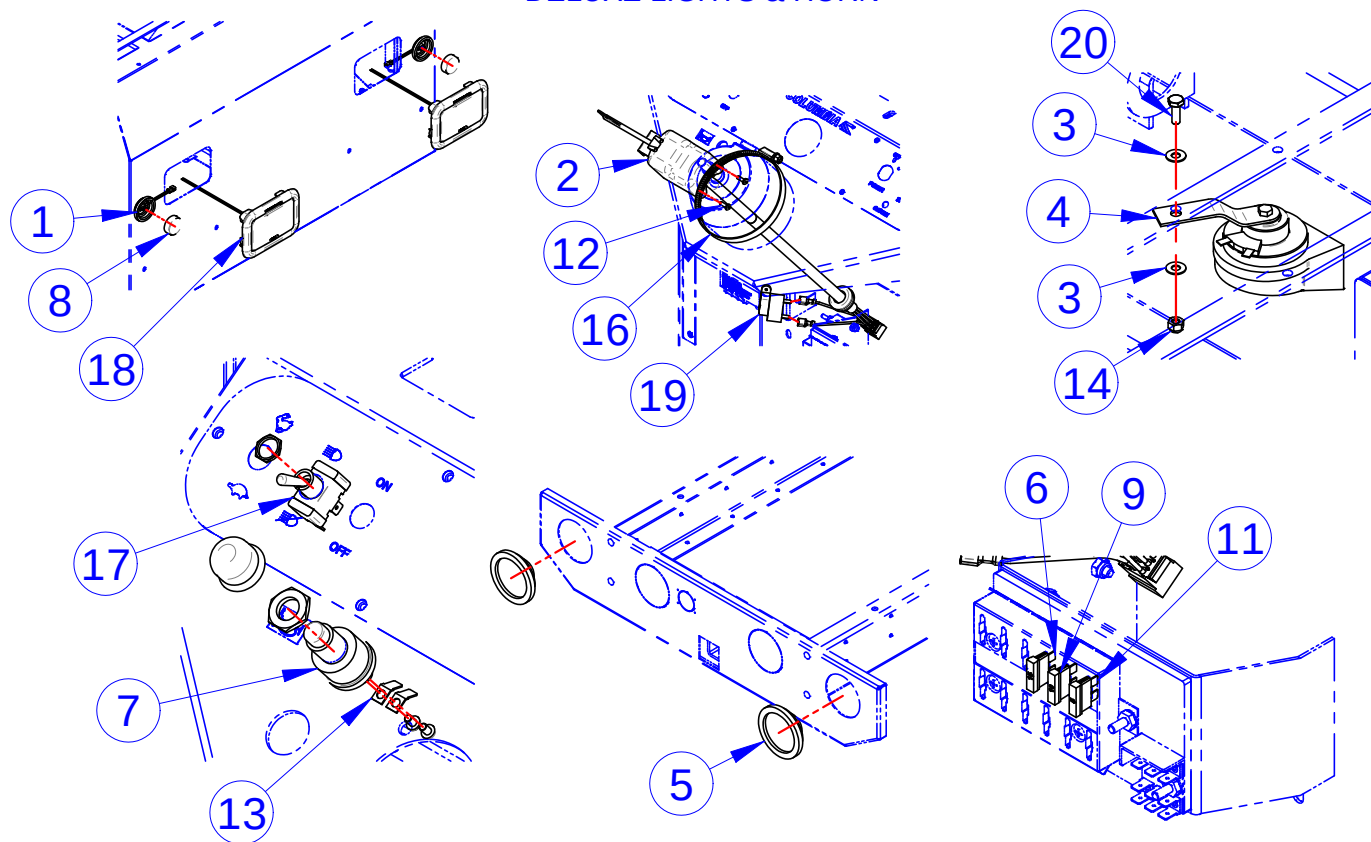
TURN SWITCH WITH BRACKET NO GROMMET



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-5	CVG467591	P&A,ASM, TURN SWITCH W/BRKT NO GRMT	KIT	467591
1	CVG467279	ASSY, TURN SWITCH, NO GROMMET	1	467279
2	CVG467385	PAINTED ROCKER, TURN SWITCH BRACKET	2	467385
3	CVG513705	CVG TURN SWITCH BRACKET	1	513705
4	CVG761720	BUZZER, REVERSE, CONT	1	761720
5	CVG783106	SCR, #8-32 X 1, 6FMS, 18-8, SS	2	783106

NOTE: Items with * in tables indicates parts not shown in drawing

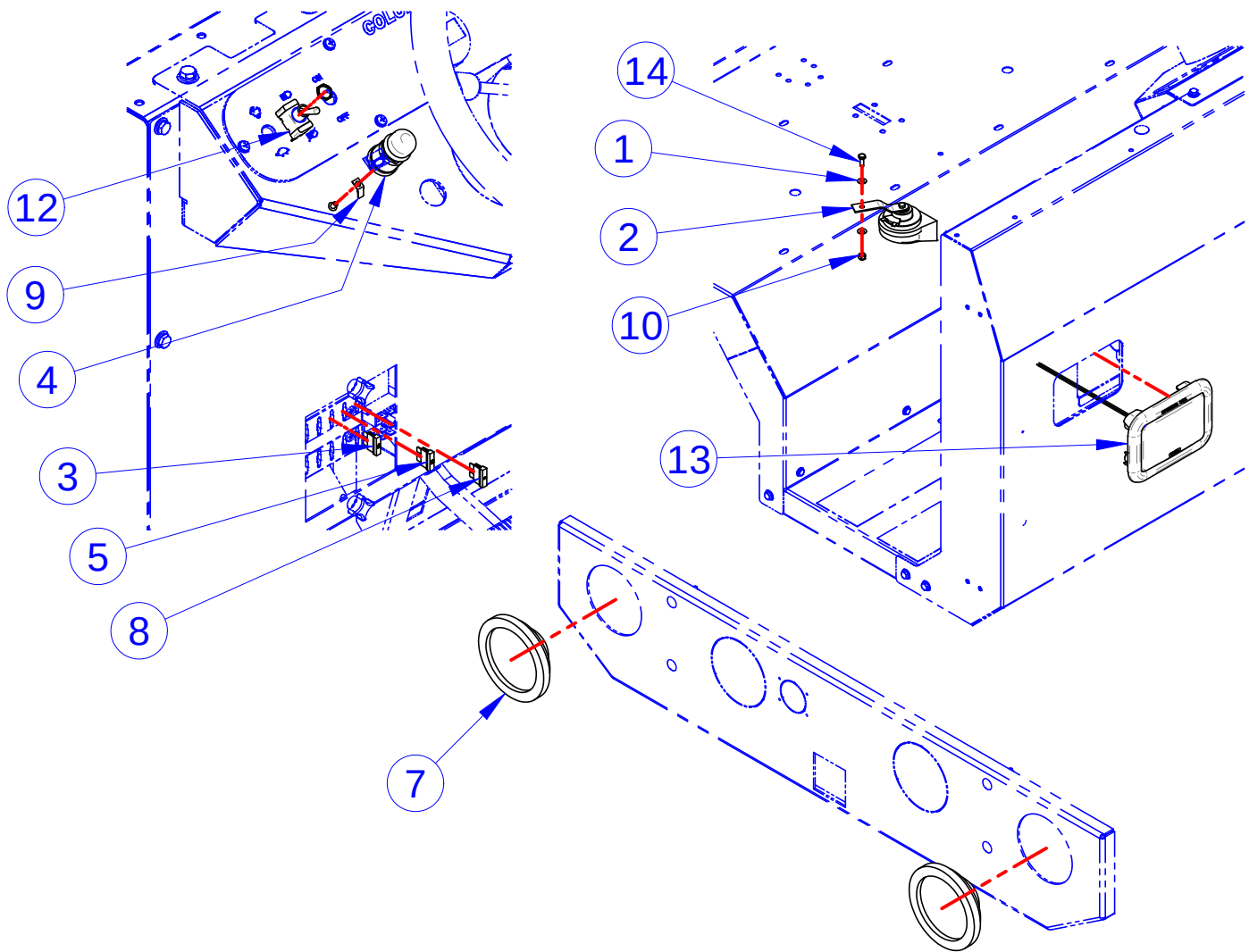
DELUXE LIGHTS & HORN



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG463979	ASM, TRN LT PIGTAIL W/GROMMET	2	463979
2	CVG464193	ASSY, TURN SWITCH, W/ GROMMET	1	464193
3	CVG708511	WASHER, FLAT, 1/4", 18-8SS	2	708511
4	CVG709089	HORN,12V (2 TERMINAL)	1	709089
5	CVG709109	4"RND TAIL LAMP ASSY W/PLUG, SEAL	2	709109
	CVG719368	LIGHT,LED,RED 4"ROUND W/GROMMET STT	2	719368
6	CVG709255	FUSE, 15A ATO/ATC	1	709255
7	CVG709385	HORN SWITCH	1	709385
8	CVG709488	LIGHT, 2.5" AMBER	2	709488
9	CVG709786	FUSE, 10A ATO/ATC	1	709786
10*	CVG719366	FLASHER, LED LIGHTS	1	719366
11	CVG719445	FUSE, 5A ATO/ATC	1	719445
12	CVG719571	SCREW,#8-32X1/2,PPH,M/S,18-8,S/S	2	719571
13	CVG719825	TERMINAL,#10 STUD-TO-1/4 MALE TAB	2	719825
14	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	1	719876
15*	CVG760012	WIRE HARNESS, 12V, ACCESSORY, MVP	1	760012
16	NONE	HOSE CLAMP - 3" TO 5"	1	760524
17	CVG760600	SWITCH, TOGGLE, LIGHTS ON-OFF	1	760600
18	CVG761687	HEADLIGHT,LED,12/24V W/BEZEL	2	761687
19	CVG761720	BUZZER, REVERSE, CONT	1	761720
20	CVG782784	SCREW,1/4-20X3/4,HHCS,18-8SS	1	782784

NOTE: Items with * in tables indicates parts not shown in drawing

LED LIGHTS & HORN



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG708511	WASHER, FLAT, 1/4", 18-8SS	2	708511
2	CVG709089	HORN,12V (2 TERMINAL)	1	709089
3	CVG709255	FUSE, 15A ATO/ATC	1	709255
4	CVG709385	HORN SWITCH	1	709385
5	CVG709786	FUSE, 10A ATO/ATC	1	709786
6*	CVG709861	WIRE HARNESS, TURN SIGNL BYPASS PLUG	1	709861
7	CVG719368	LIGHT, LED, RED 4" RND	2	719368
8	CVG719445	FUSE, 5A ATO/ATC	1	719445
9	CVG719825	TERMINAL,#10 STUD-TO-1/4 MALE TAB	1	719825
10	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	1	719876
11*	CVG760012	WIRE HARNESS, 12V, ACCESSORY, MVP	1	760012
12	CVG760600	SWITCH, TOGGLE, LIGHTS ON-OFF	1	760600
13	CVG761687	HEADLIGHT,LED,12/24V W/BEZEL	2	761687
14	CVG782784	SCREW,1/4-20X3/4,HHCS,18-8SS	1	782784

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COLUMBIA

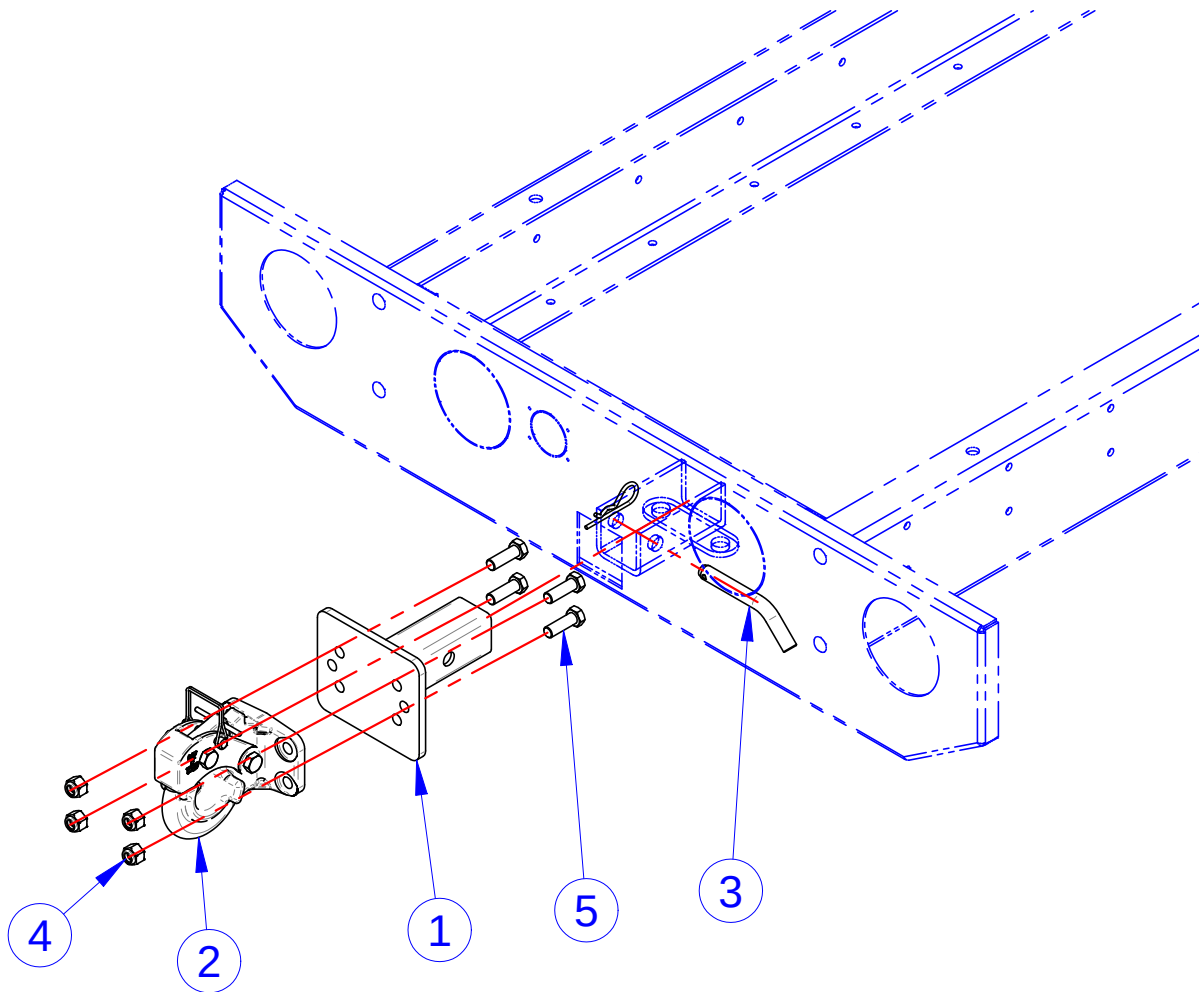
CUSTOM PLATFORM

PARTS MANUAL SECTION 7

ACCESSORIES



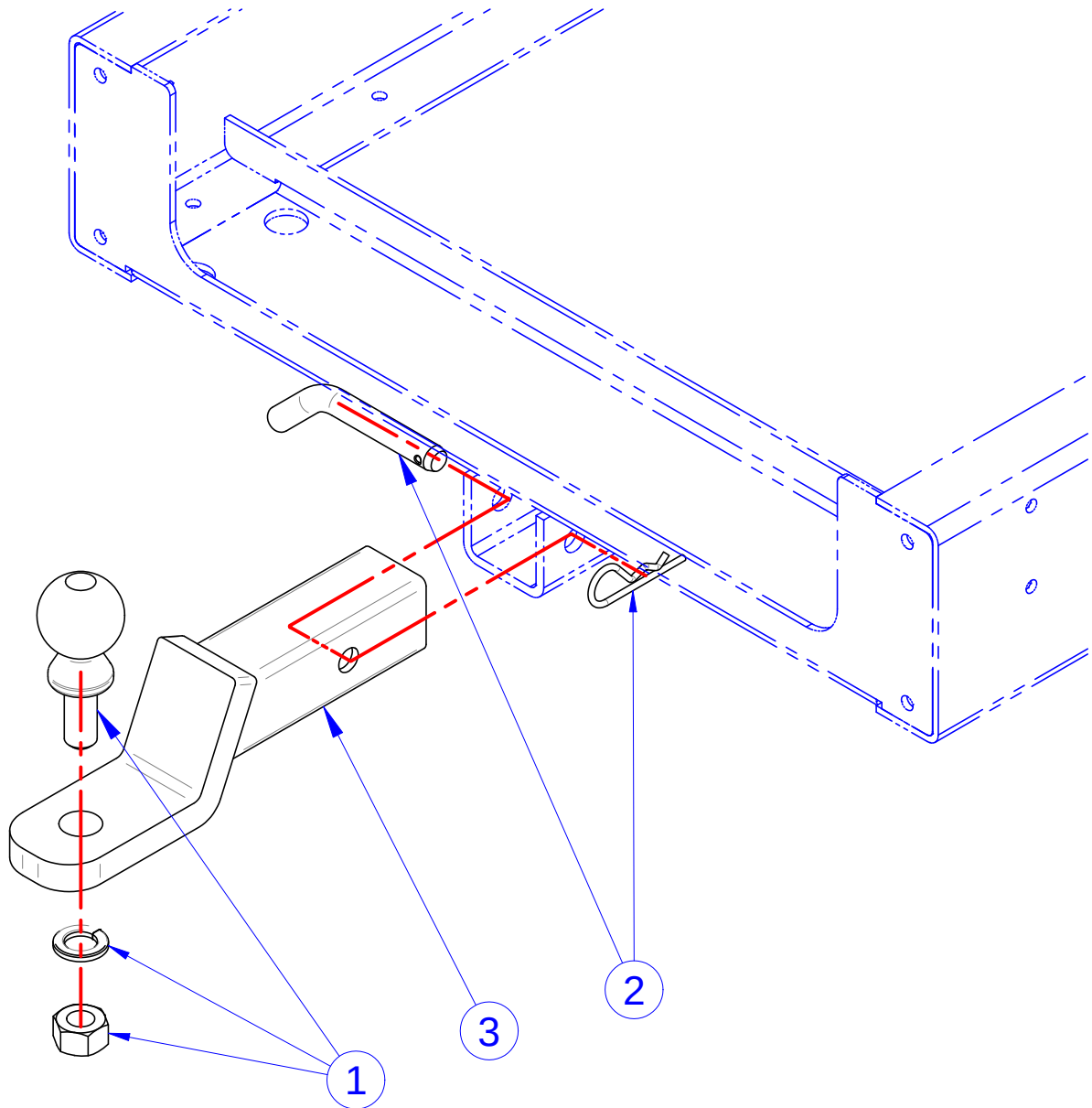
PINTLE HITCH



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG312577	WELDMT, HITCH PLATE, MVP	1	312577
2	CVG709833	HITCH, PINTLE HOOK, RIGID	1	709833
3	CVG719210	PIN, HITCH 5/8" OD W/ CLIP	1	719210
4	CVG782739	NUT, 1/2-13, L/N, NYL, NE, G8, MAGNI 525	4	782739
5	CVG782769	SCREW, 1/2-13 X 1-1/2, HHCS, G8, MAGNI 525	4	782769

NOTE: Items with * in tables indicates parts not shown in drawing

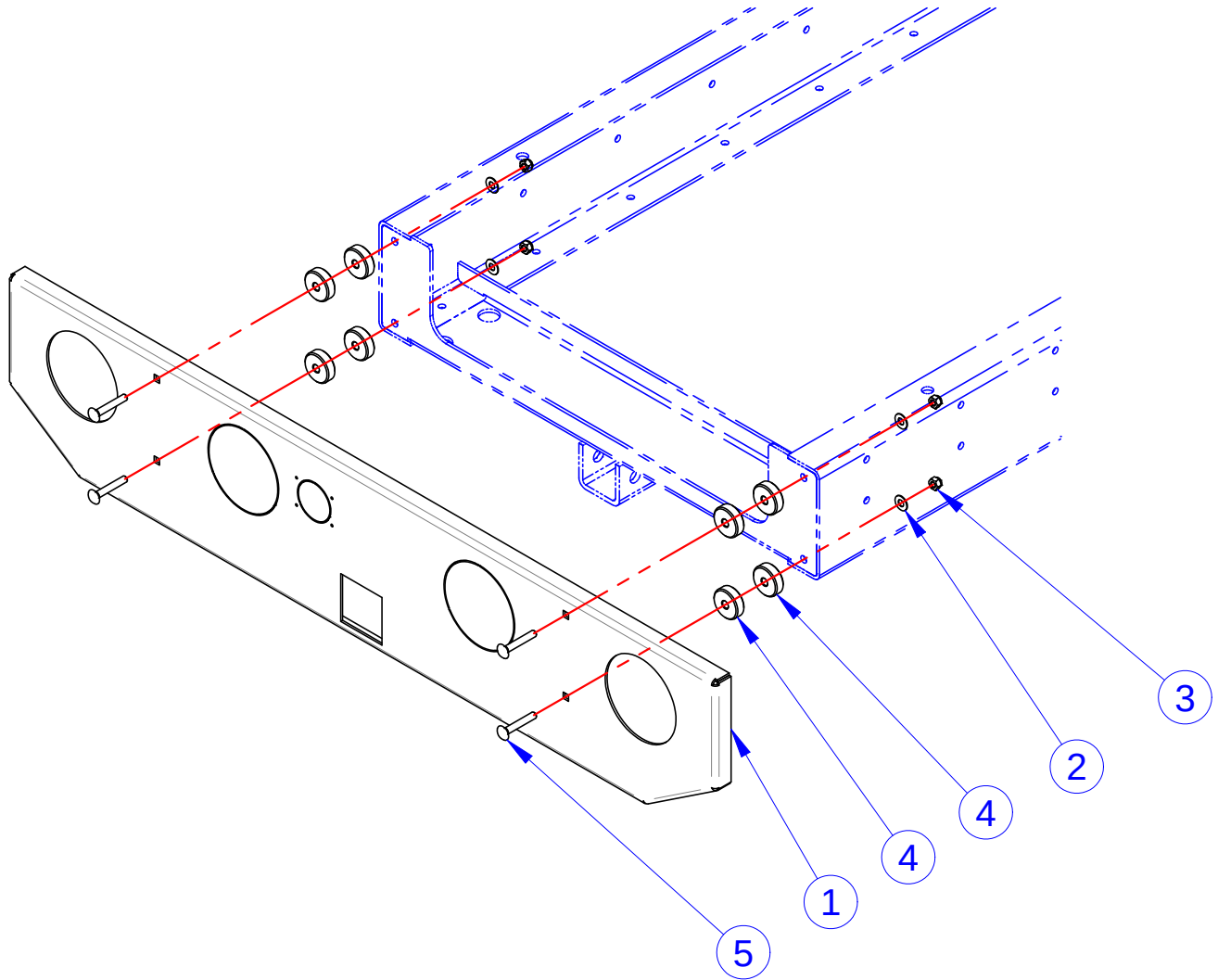
2" BALL HITCH



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG719207	BALL HITCH, 2"	1	719207
2	CVG719210	PIN, HITCH 5/8" OD W/ CLIP	1	719210
3	CVG760530	RECEIVER HITCH BALL MNT	1	760530

NOTE: Items with * in tables indicates parts not shown in drawing

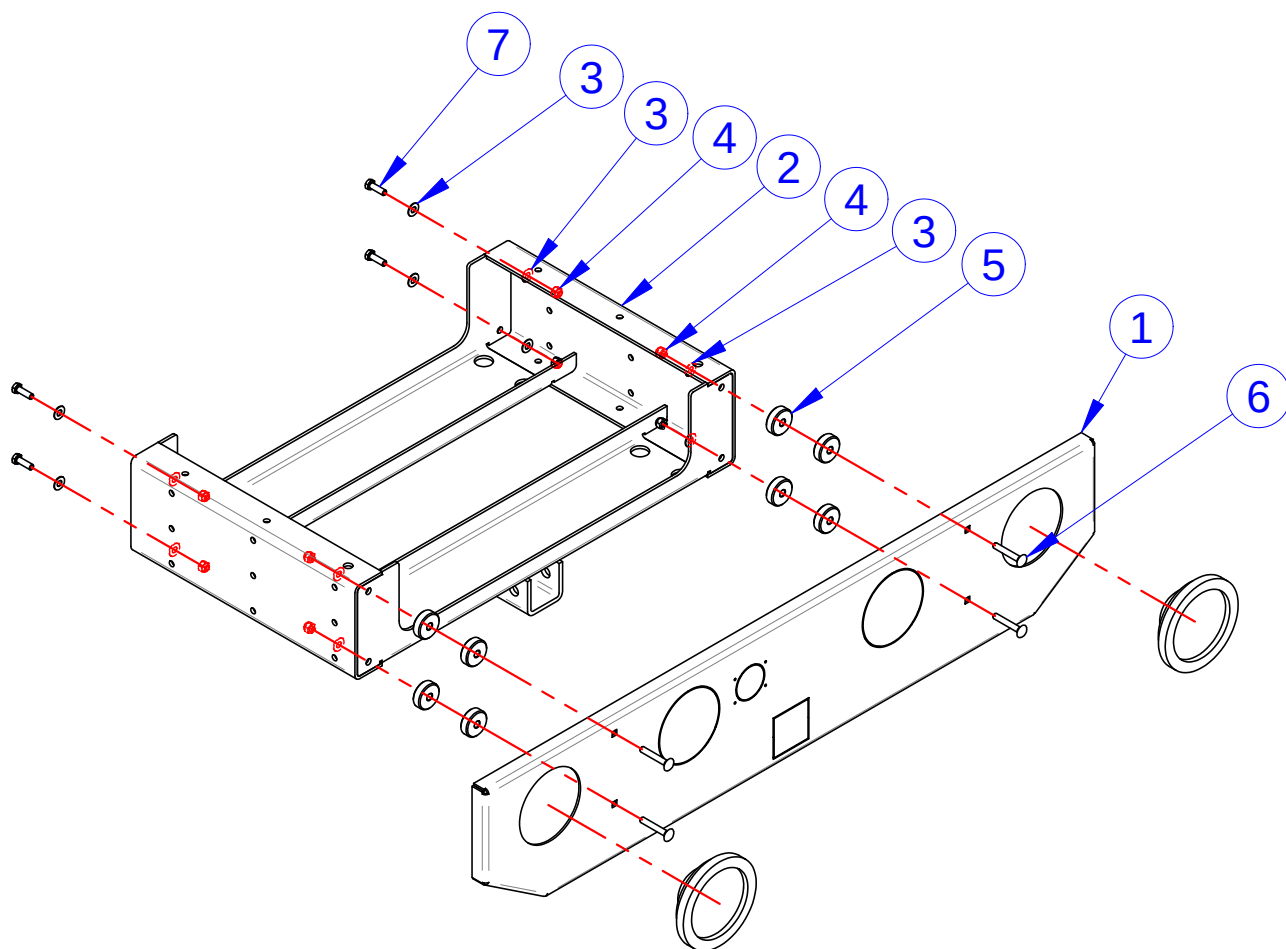
REAR BUMPER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG309103	WLDMT, PLATE, BUMPER - REAR	1	309103
2	CVG719375	WSHR, 5/16X0.750X0.040, F/W, 18-8S/S	4	719375
3	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	4	719377
4	CVG719737	WASHER FLAT BLK DELRIN .375X1.5X.5	8	719737
5	CVG782715	SCR, 5/16-18 X 2, CARR, 18-8, S/S	4	782715

NOTE: Items with * in tables indicates parts not shown in drawing

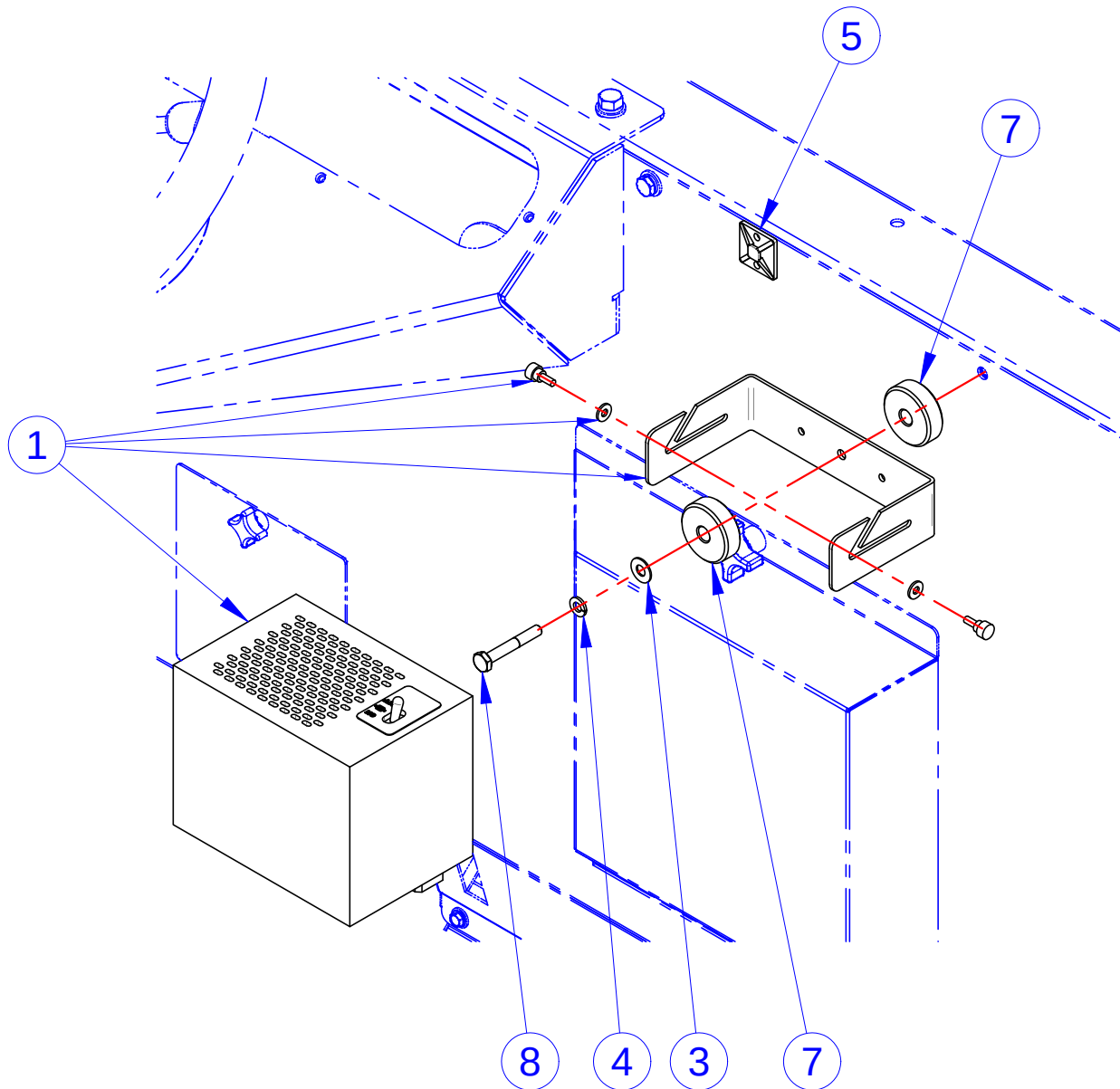
REAR BUMPER EXTENSION



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG309103	WLDM'T, PLATE, BUMPER - REAR	1	309103
2	NONE	WLDM'T, FRAME - 16.50" EXTNDSD, MVP	1	309520
3	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	12	719375
4	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	8	719377
5	CVG719737	WASHER FLAT BLK DELRIN .375X1.5X.5	8	719737
6	CVG782715	SCR, 5/16-18 X 2, CARR, 18-8, S/S	4	782715
7	CVG782720	SCR, 5/16-18 X 1, HHCS, 18-8, S/S	4	782720

NOTE: Items with * in tables indicates parts not shown in drawing

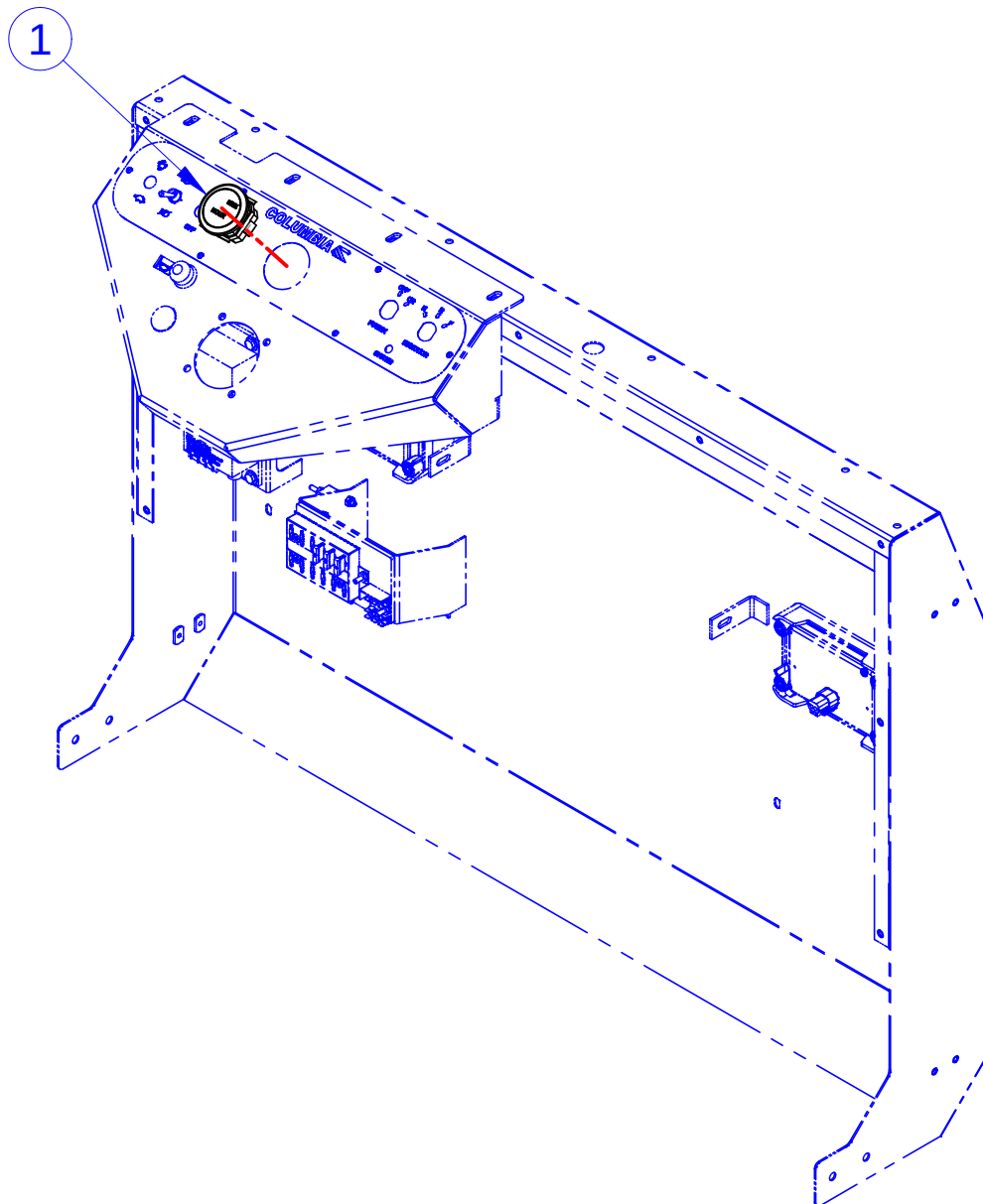
HEATER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG468200	HEATER, 48V, LESS HARNESS	1	467801
2*	CVG468203	HARNESS, SMT HEATER, 48V	1	468203
3	CVG708511	WASHER, FLAT, 1/4", 18-8SS	1	708511
4	CVG719378	WSHR, 1/4 (M6), L/W, SPLIT, 18-8, S/S	1	719378
5	CVG719503	CABLE TIE MNT BRKT BLACK W/3M	1	719503
6*	CVG719504	CABLE TIE,BLACK,.18X11-3/4,STD,50LB	3	719504
7	CVG719737	WASHER FLAT BLK DELRIN .375X1.5X.5	2	719737
8	CVG782786	SCREW,1/4-20X1.75,HHSC,18-8SS	1	782786

NOTE: Items with * in tables indicates parts not shown in drawing

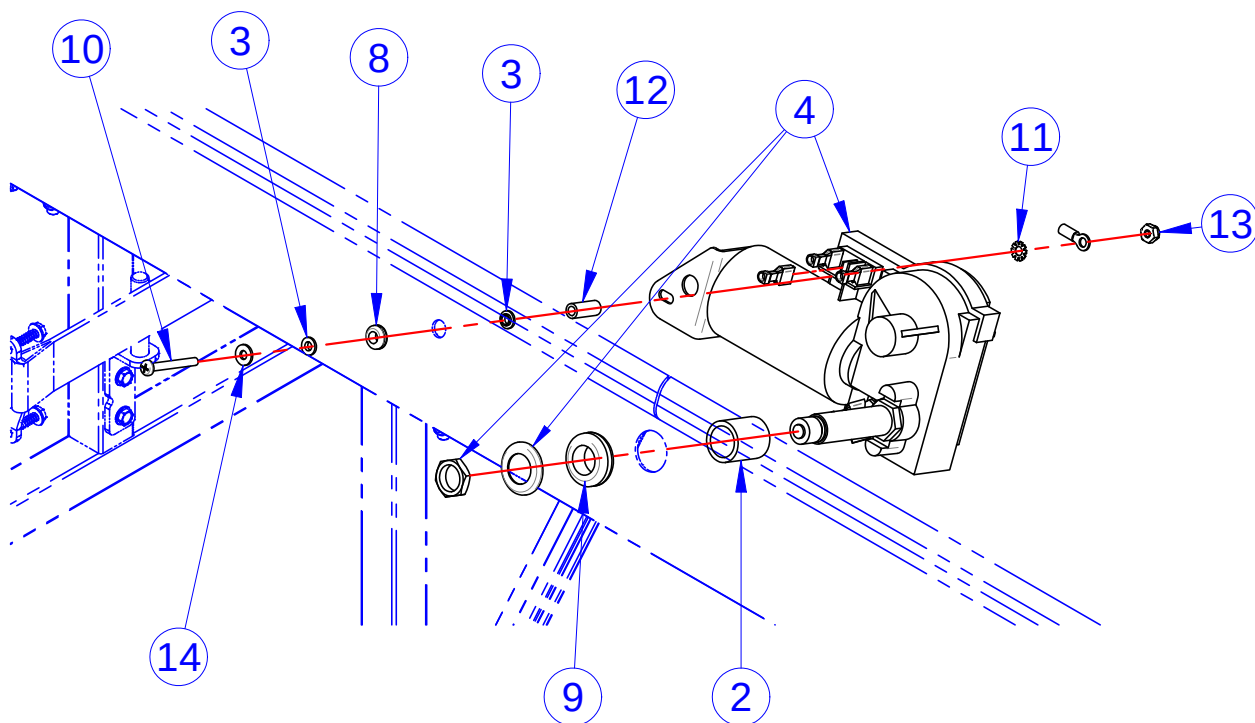
HOUR METER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG709452	HOUR METER 10-80 VOLT DC	1	709452

NOTE: Items with * in tables indicates parts not shown in drawing

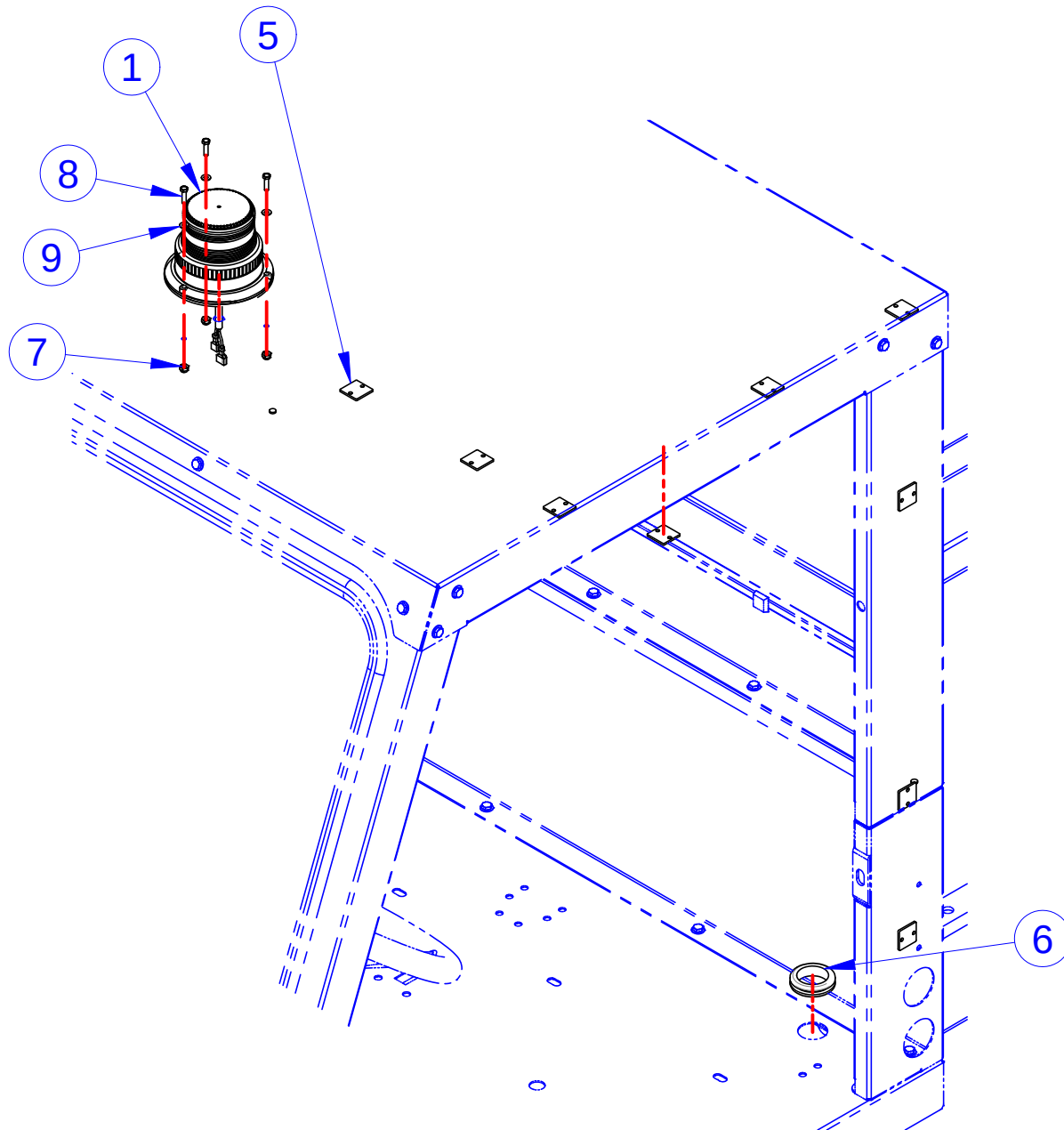
WINDSHIELD WIPER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-14	CVG191686U	P&A KIT, WINDSHIELD WIPER, CP	KIT	191686A
1*	CVG467780	ASM, HARNESS, WIPER MOTOR, UN-F. MVP	1	467780
2	CVG508993	WIPER SPACER	1	508993
3	CVG709362	NYLON BEARING	2	709362
4	CVG709592	MOTOR, WINDSHIELD WIPER	1	709592
5*	CVG709786	FUSE, 10A ATO/ATC	1	709786
6*	CVG719321	ARM, WIPER 14-19" ADJUSTABLE BLACK	1	719321
7*	CVG719322	WIPER, BLADE 18" BLACK FLEXIBLE	1	719322
8	CVG719520	GROMMET, .25ID DELTA FLEX 2902	1	719520
9	CVG719529	GROMMET, 5/8X1-1/8X3/8 1/8GR	1	719529
10	CVG719572	SCREW, #8-32X1-1/2, PPH, M/S, YWZC	1	719572
11	CVG719851	WASHER LOCK #10 EXTERNAL TOOTH YWZC	1	719851
12	CVG759824	.313 OD X .194 ID X .75 LG SPACER - NYLON	1	759824
13	CVG761630	NUT, #8-32, NILN, 18-8, SS	1	761630
14	CVG782820	WASHER, #8X.438OD, SAE F/W, 18-8 SS	1	782820

NOTE: Items with * in tables indicates parts not shown in drawing

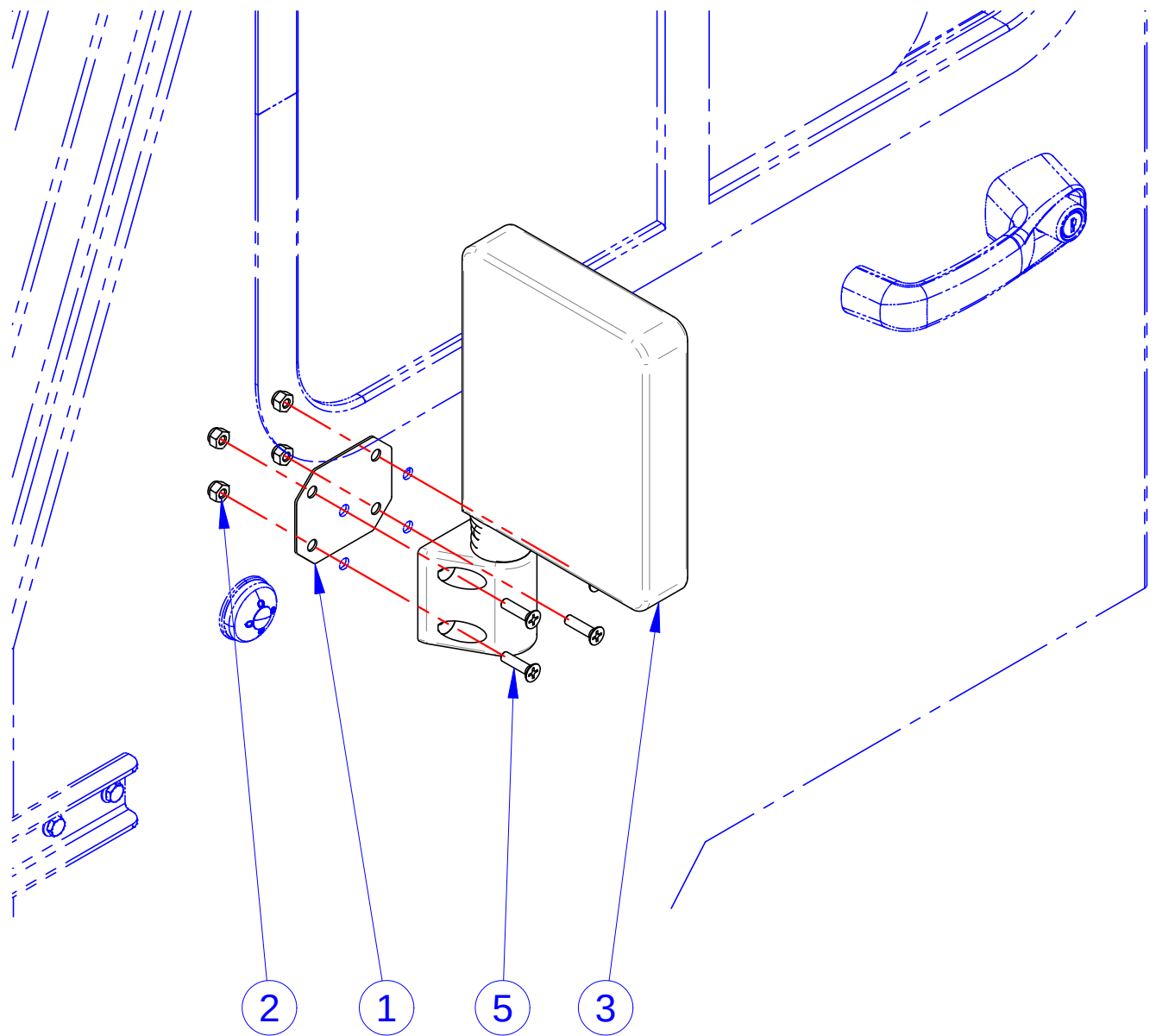
CAB AMBER STROBE



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG467408	ASM, STROBE LIGHT (AMBER)	1	467408
2*	CVG467585	HARNESS, CAB STROBE LIGHT, CP	1	467585
3*	CVG719381	LOOM, .375" ID, SLIT, BLACK	7	719381
4*	CVG719501	CABLE TIE, NATURAL 5 3/4"	9	719501
5	CVG719503	CABLE TIE MNT BRKT BLACK W/3M	9	719503
6	CVG719523	GROMMET, 1-1/2"ID, 3/16"X1-3/4" HOLE	1	719523
7	CVG761631	NUT, #10-24 GRD 18-8 NM SS NYLOCK	3	761631
8	CVG761638	SCREW,10-24X3/4,IHHMS,18-8 SS	3	761638
9	CVG782722	WSHR, #10 X 0.438 X 0.031, F/W, 18-8SS	3	782722

NOTE: Items with * in tables indicates parts not shown in drawing

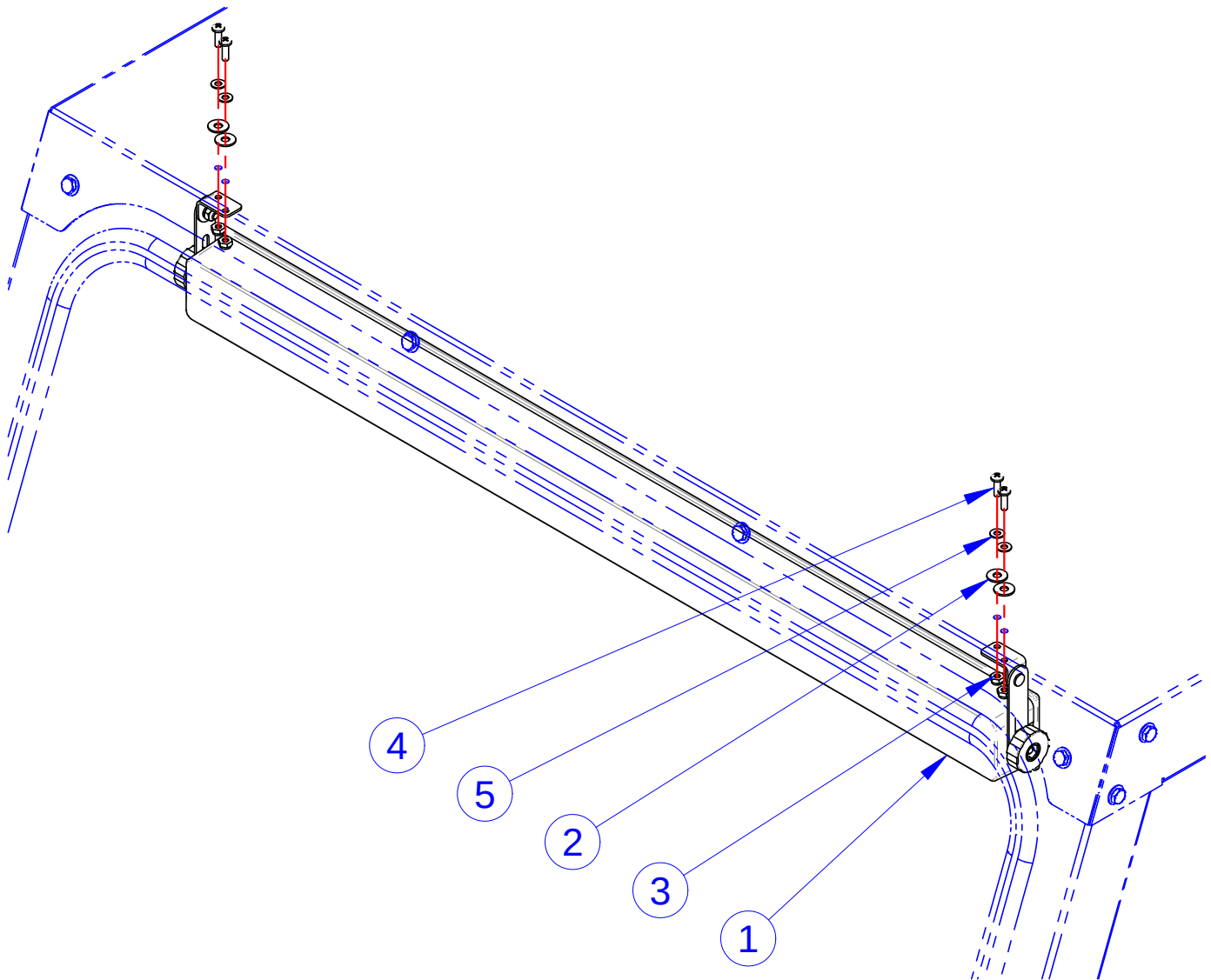
SIDVIEW MIRRORS, CAB



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG513203	MIRROR BACKING PLATE	2	513203
2	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	8	719876
3	CVG760201	MIRROR,REAR VIEW,LH	1	760201
4*	CVG760202	MIRROR,REAR VIEW,RH	1	760202
5	CVG781601	SCREW,1/4-20X1,PFH,M/S,M/S,18-8 S/S	8	781601

NOTE: Items with * in tables indicates parts not shown in drawing

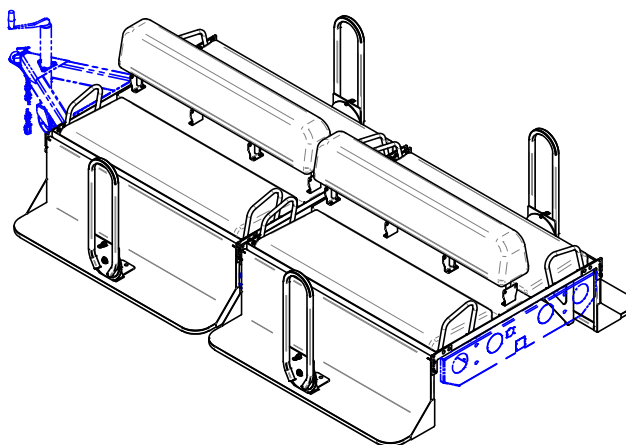
5-PANEL MIRROR



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG709408	5 PANEL MIRROR	1	709408
2	CVG719788	RUBBER WASHER, .25 ID	4	719788
3	CVG761631	NUT, #10-24 GRD 18-8 NM SS NYLOCK	4	761631
4	CVG761633	SCREW, 10-24X5/8, PPHMS, 18-8SS	4	761633
5	CVG782722	WSHR, #10 X 0.438 X 0.031, F/W, 18-8SS	4	782722

NOTE: Items with * in tables indicates parts not shown in drawing

TRAILER TRAM

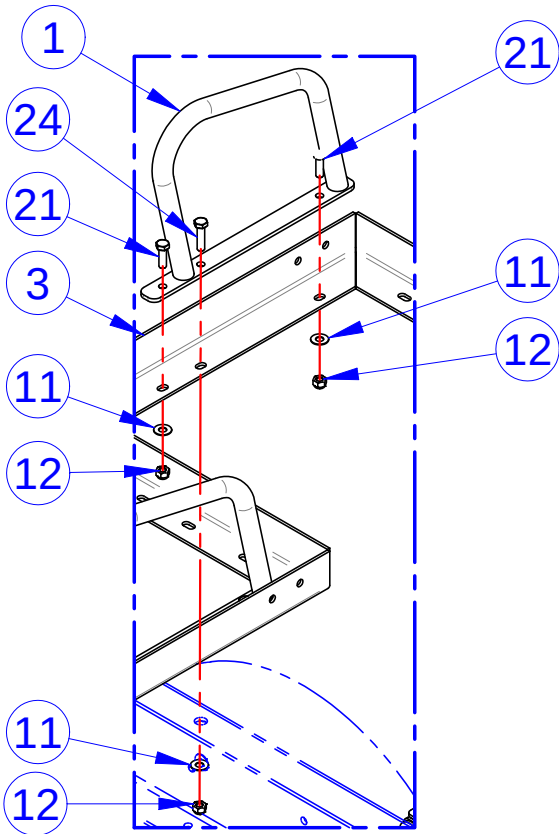
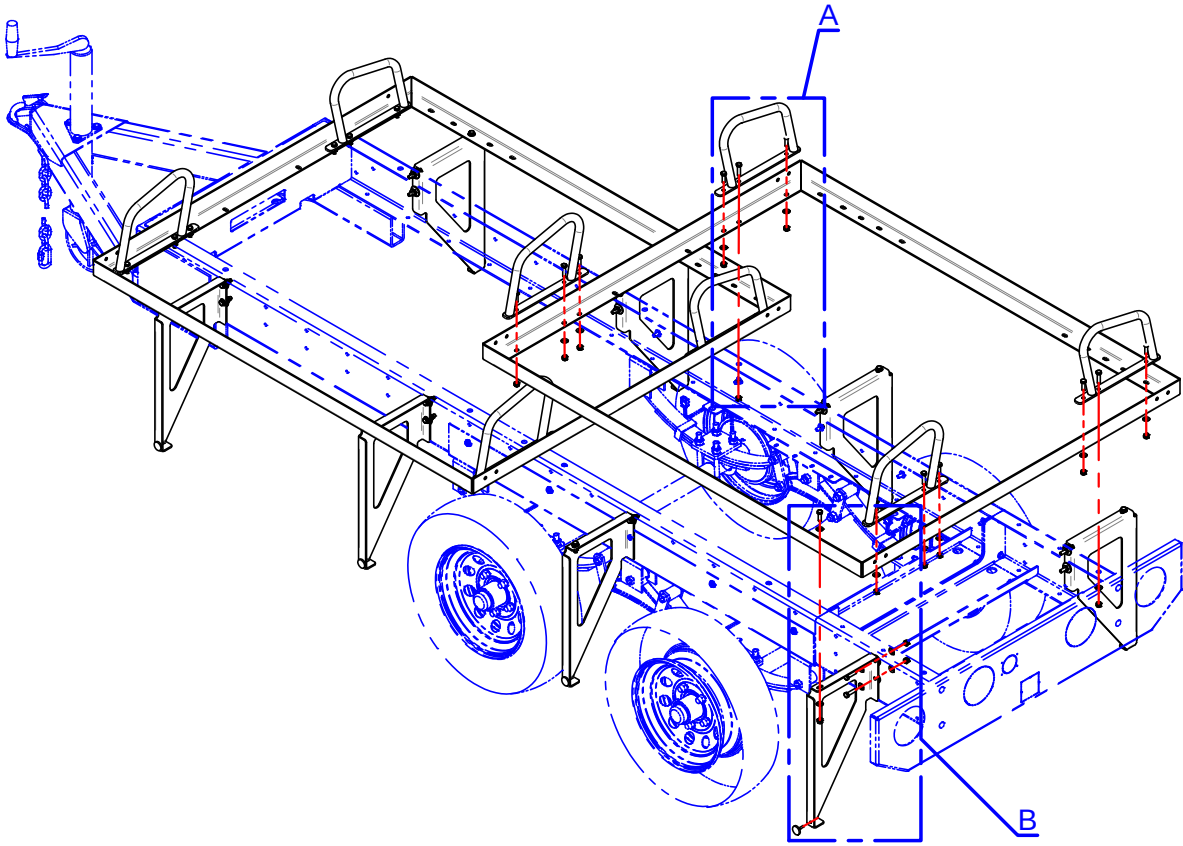


THE FOLLOWING PAGES SHARE THIS BOM.

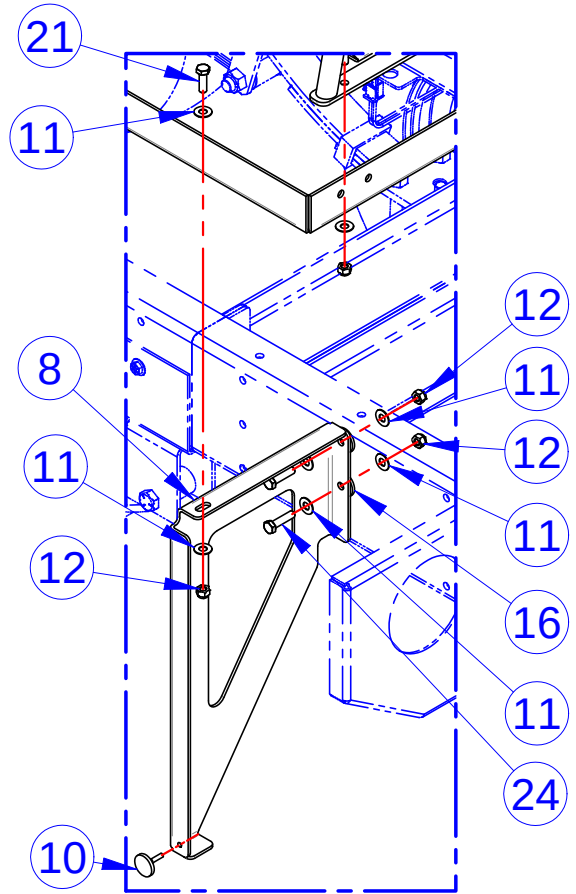
ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG303393TB	CPC WLDMT HANDRAIL UTIL	8	303393
2	CVG309529SL	WELDM'T, FTREST - MVP TRAM	4	309529
3	CVG309628	FRAME, SEAT, MVP TRAM	2	309628
4	CVG313018TB	WLDMT, BRKT, HNDRL, FTRST	4	313018
5	CVG313019TB	WLDMT, HANDRAIL, FOOTREST	4	313019
6	CVG500710	UNI-SWIVEL POLY BEARING	4	500710
7	CVG512864	FRAME, SPRT - BOT CUSH, MVP TRAM	2	512864
8	CVG512952	GUSSET, RUNNING BOARD	8	512952
9	CVG516678TB	PLATE, MTG - FOOTREST	8	516678
10	CVG709011	BOOT, RUBBER BUMPER	8	709011
11	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	136	719375
12	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	90	719377
13	CVG719526	CAPLUG, 7/8 SQ, FP-165	8	719526
14	CVG719580	SCREW,1/2X1/2X3/16-18,SHLDR,18-8SS	4	719580
15	CVG719791	WASHER FLT DELRIN .510X1.403X.03	4	719791
16	CVG719797	WASHER, FLT STL BLK ZNC .391 X 1.125	14	719797
17	CVG760721	NUT,3/8-16,GR G,FLNG CTR LOCK,YWZC	4	760721
18	CVG761292	SCR,5/16-18X1.0,CARR,18-8S/S	28	761292
19	CVG781694	NUT, 5/16-18 HEX, FLANGE, SERR, S/S	8	781694
20	CVG782533	RETRACTABLE PLUNGER	4	782533
21	CVG782720	SCR, 5/16-18 X 1, HHCS, 18-8, S/S	40	782720
22	CVG782721	SCR, 5/16-18 X 0.75, HHCS, 18-8, S/S	8	782721
23	CVG782821	WASHER,1/2X1.375OD,F/W,ECOGUARD	8	782821
24	CVG782841	SCREW,5/16-18X1-1/4,HHCS, 18-8SS	22	782841

NOTE: Items with * in tables indicates parts not shown in drawing

TRAILER TRAM (SEAT FRAME)



DETAIL A



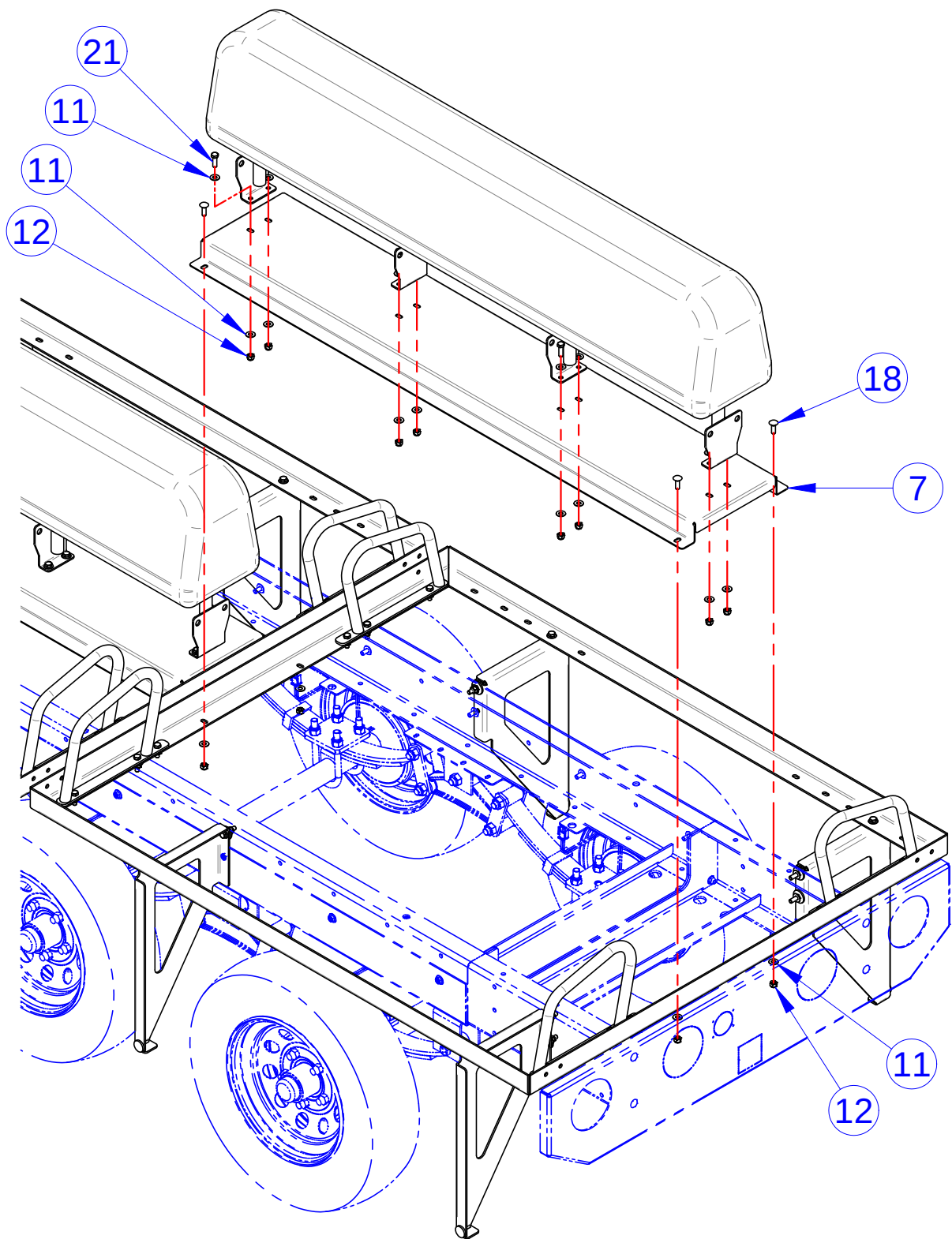
DETAIL B

NOTE: Items with * in tables indicates parts not shown in drawing

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TRAILER TRAM (BACK REST)

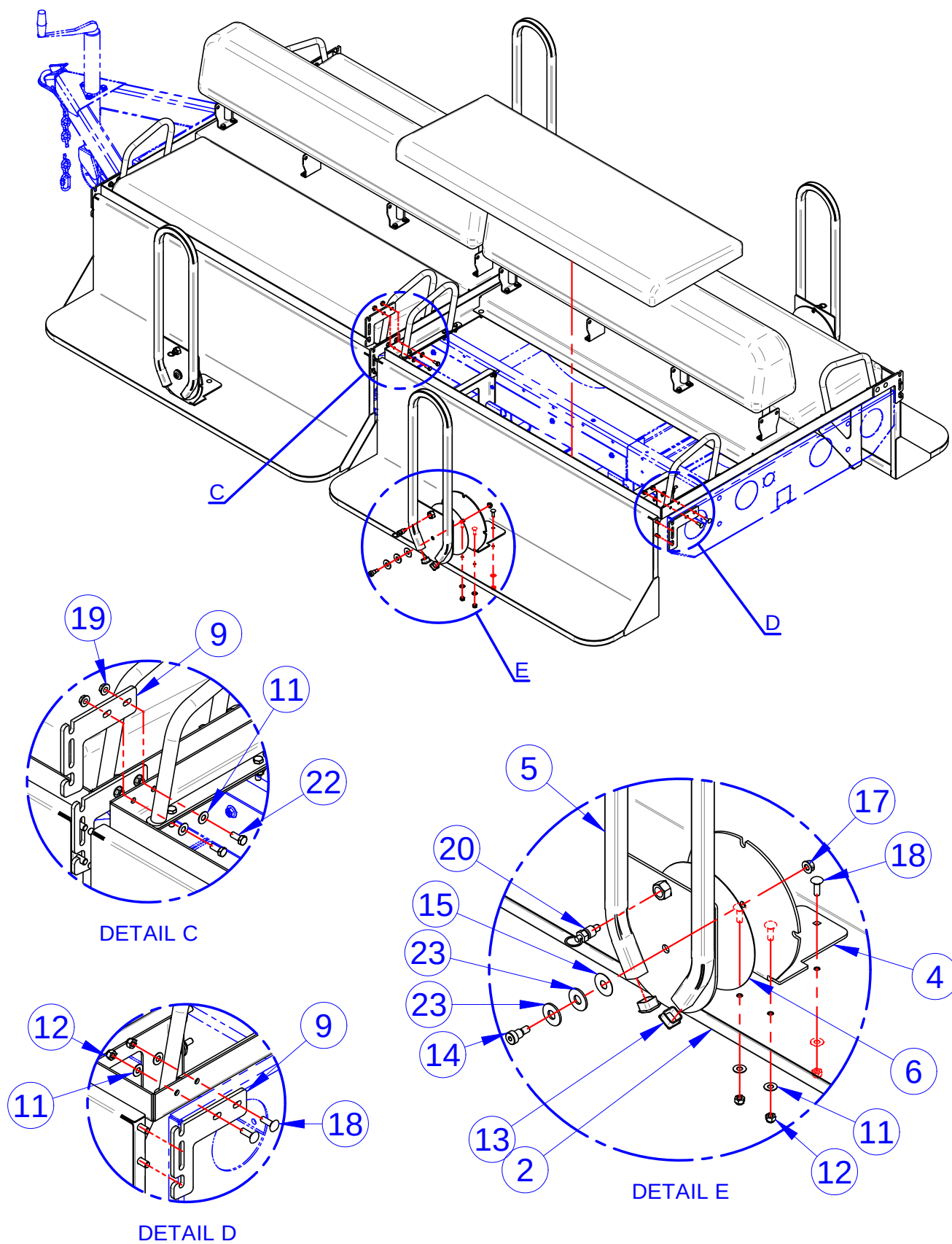


NOTE: Items with * in tables indicates parts not shown in drawing

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TRAILER TRAM (FOOTREST)

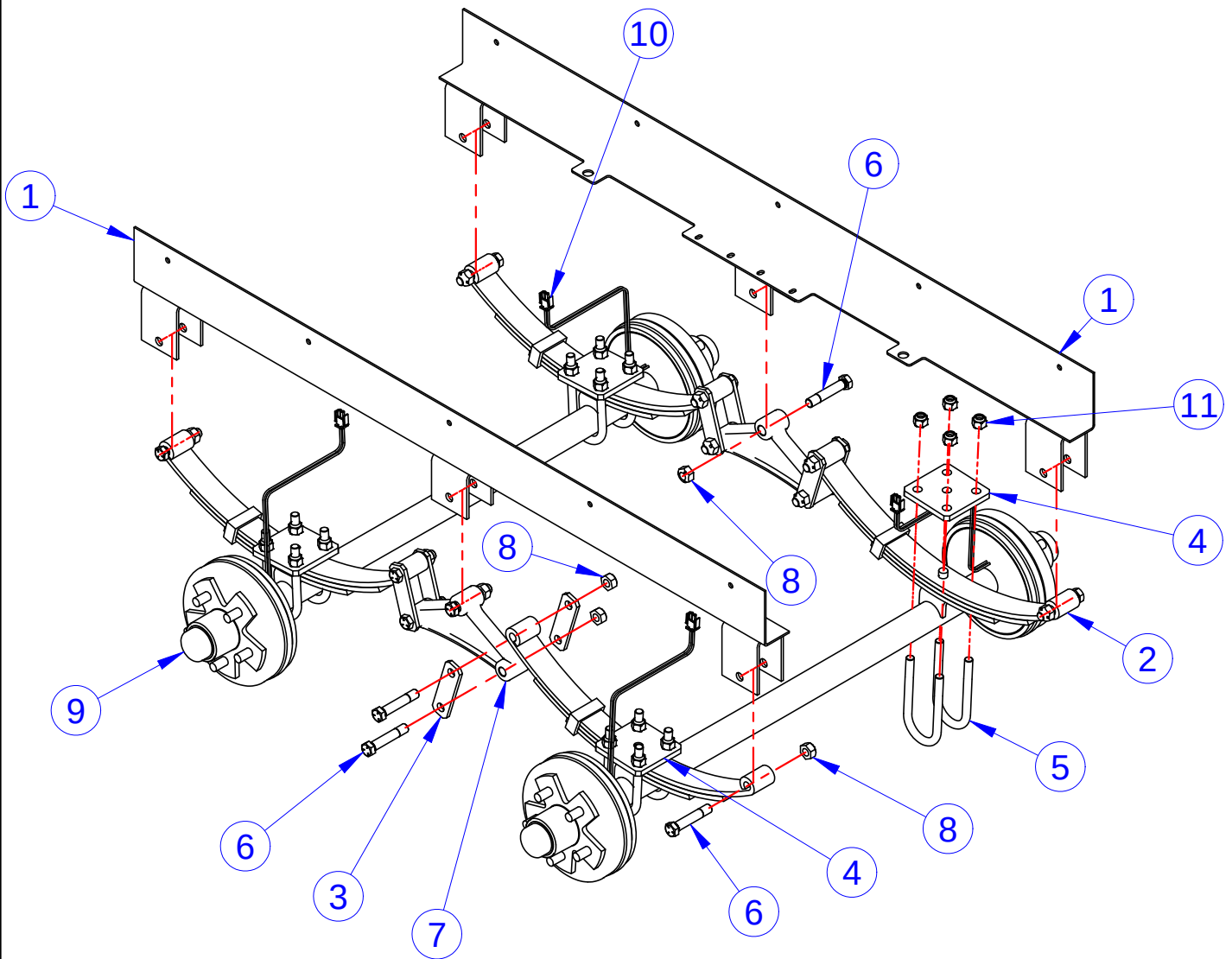


NOTE: Items with * in tables indicates parts not shown in drawing

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REAR TANDEM AXLE



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG309034	WLDMT, REAR SPNSN HGR - MVP	2	309034
2	CVG468300	P&A SET, SPRING,3-LEAF,1500LB	2	468300
3	CVG512245	SHACKLE STRAP	8	512245
4	CVG513980	2.50 REAR SPRING PLATE	4	513980
5	CVG709425	U-BOLT, 1/2-13, 2.50 X 5.25, UNPLTD	8	709425
6	CVG759898	BOLT, 9/16-18 X 3" GR 5- SHACKLE	14	759898
7	CVG759908	EQUALIZER BAR	2	759908
8	CVG759909	HEX LOCKNUT, 9/16-18	14	759909
9	NONE	AXLE ASSY, MVP TRAILER, 2000 LB	2	760532
10	NONE	KIT, PLUG W/ SOCKET - TRLR BRAKE	4	760578
11	CVG782739	NUT, 1/2-13, L/N, NYL, NE, G8, MAGNI 525	16	782739

NOTE: Items with * in tables indicates parts not shown in drawing

NOTE: Items with * in tables indicates parts not shown in drawing

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