



COLUMBIA

EXPEDITER

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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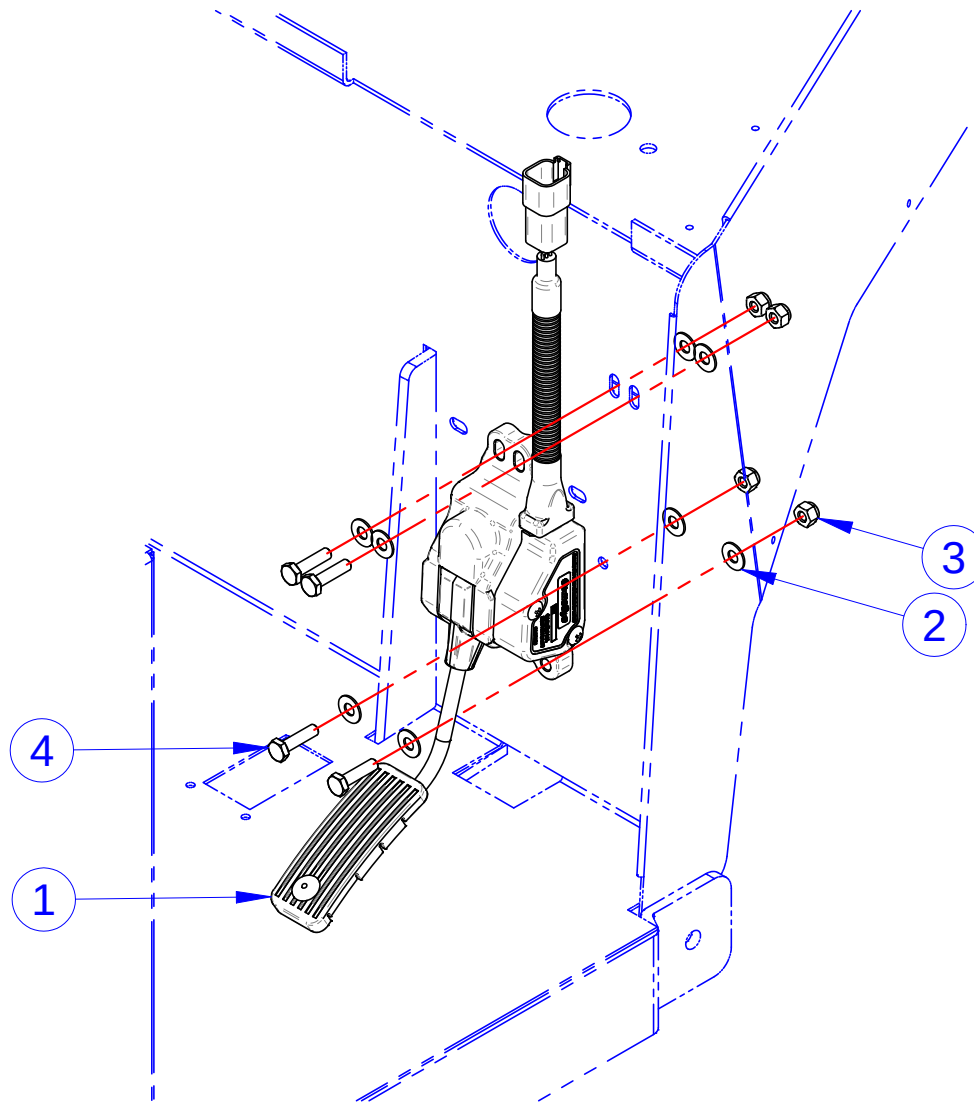
PARTS MANUAL

SECTION 1

BRAKES



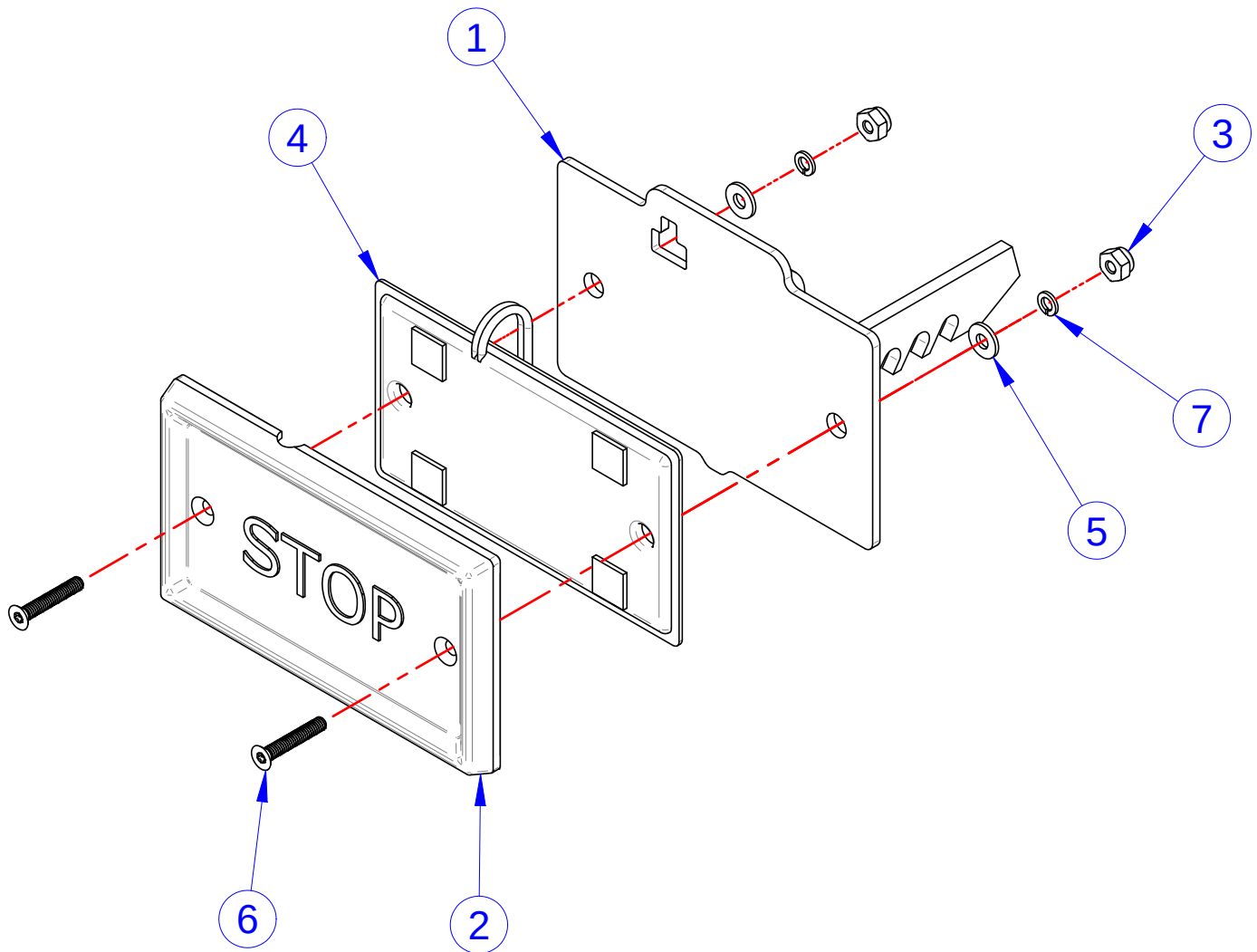
ACCELERATOR PEDAL



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG468031	ASSY, PEDAL ACLTR DEVISE	1	468031
2	CVG708511	WASHER, FLAT, 1/4", 18-8SS	8	708511
3	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	4	719876
4	CVG782785	SCREW, 1/4-20X1.0, HHCS, 18-8SS	4	782785

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

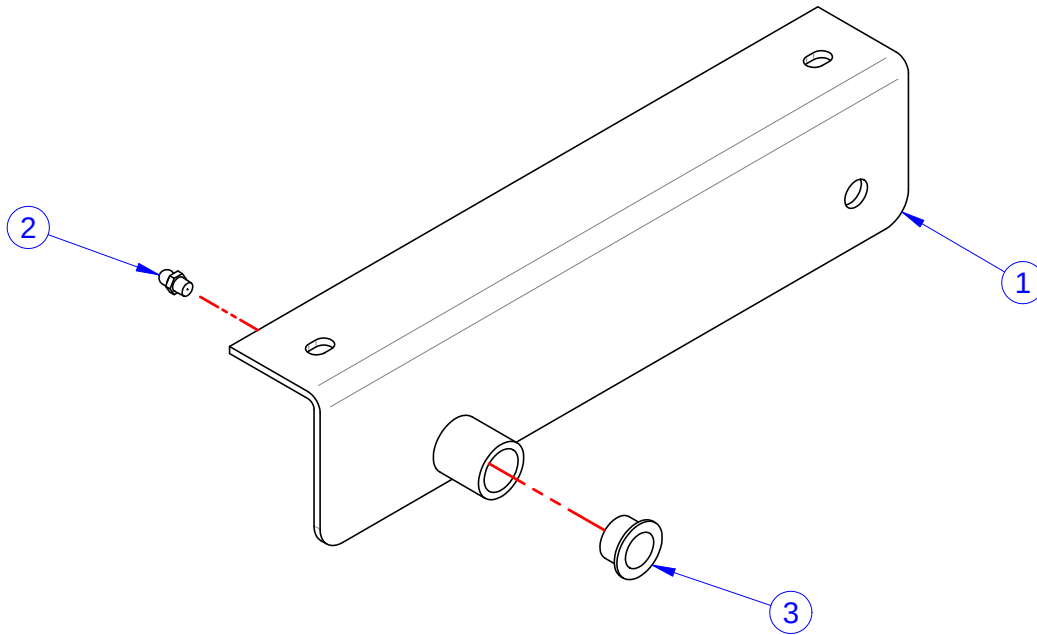
BRAKE PEDAL



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-7	CVG467846	P&A, ASSY, BRAKE PEDAL, EX	KIT	467846
1	NONE	WLDMT, BRAKE PEDAL, EX	1	311029
2	CVG467084	MACH, BRAKE PAD (TAPESWITCH)	1	467084
3	CVG761630	NUT, #8-32, NILN, 18-8, SS	2	761630
4	CVG761776	SWITCH, BRAKE LIGHT, MECH	1	761776
5	CVG782820	WASHER,#8X.438OD,SAE F/W,18-8 SS	2	782820
6	CVG783106	SCR, #8-32 X 1, 6FMS, 18-8, SS	2	783106
7	CVG783110	WSHR, #8 (M4), MSLW, 18-8, SS	2	783110

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

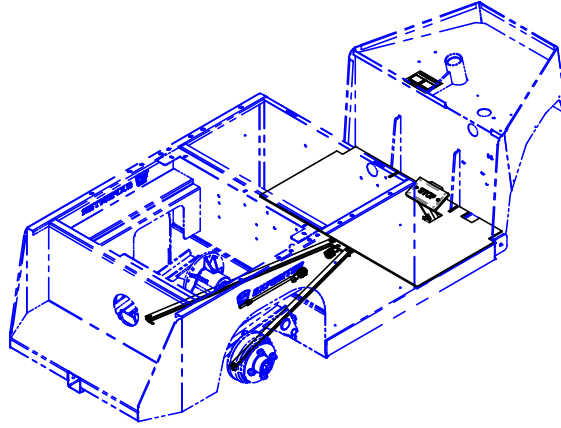
BRAKE PIVOT EX



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG307172	WLDMT, BRAKE PIVOT	1	307172
2	CVG709110	GREASE FITTING, 1/4" DRIVE, STRAIGHT	1	709110
3	CVG719957	BUSHING NYLON FLANGE	1	719957

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

BRAKE HARDWARE - MECHANICAL

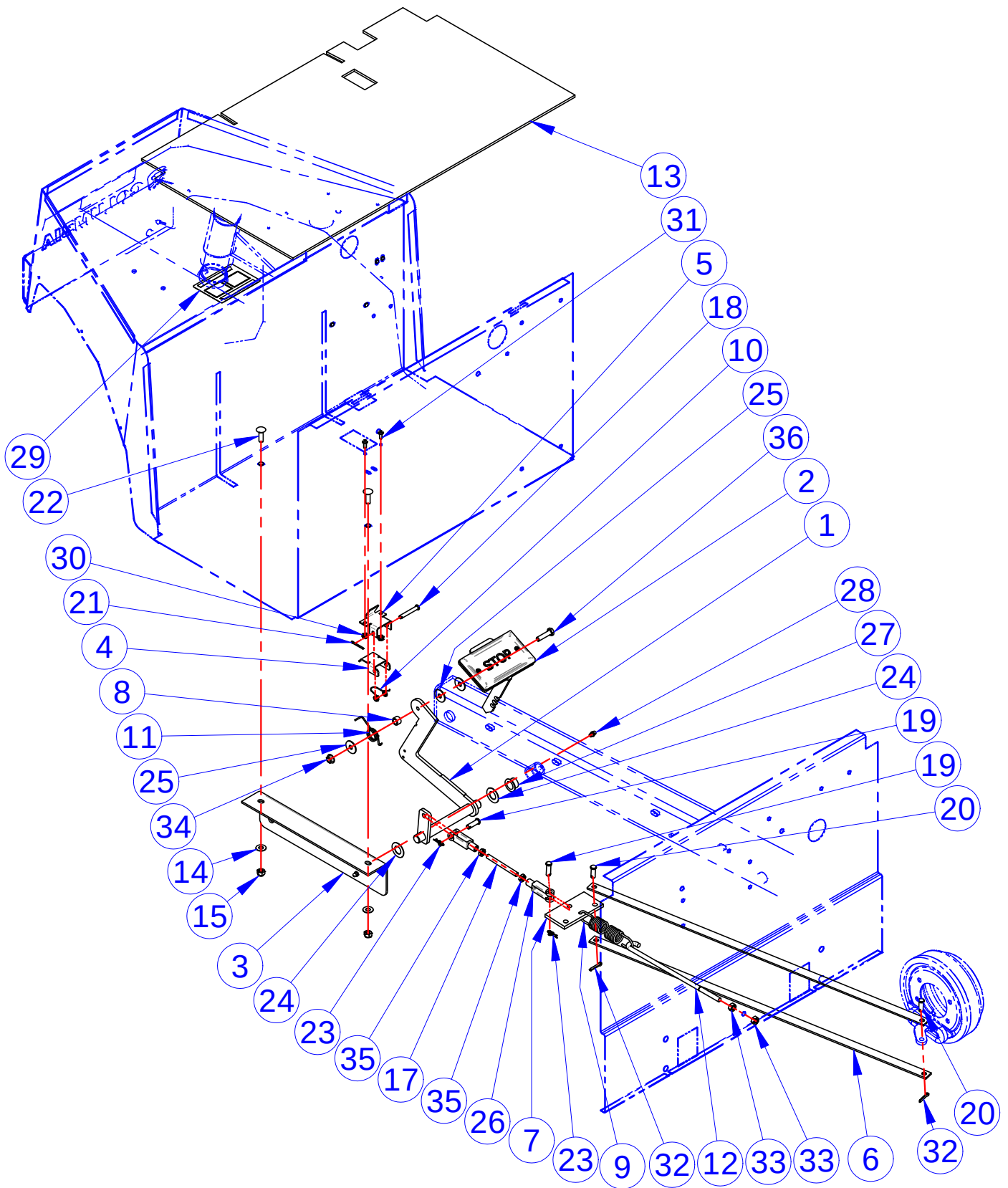


DRAWINGS FOR BILL OF MATERIALS ON THE FOLLOWING PAGE.

ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG307212	WLDMT, BRAKE ARM	1	307212
2	CVG467846	ASSY, BRAKE PEDAL, EX	1	467846
3	CVG468818	ASM, BRAKE PIVOT, EX	1	468818
4	CVG509250	BRAKE LOCK LATCH	1	509250
5	CVG509251	PARKING BRAKE LATCH	1	509251
6	CVG509262	BRAKE STRAP	4	509262
7	CVG510327	BRAKE CROSSMEMBER	1	510327
8	CVG512180PL	BUSHING, BRAKE	1	512180
9	CVG709685	SPRING, EXTENSION	1	709685
10	CVG709686	SPRING, TORSION - DOUBLE	1	709686
11	CVG709687	SPRING, TORSION - 7/8 ID	1	709687
12	CVG709693	ROD, ADJUSTING	1	709693
13	CVG709702	MAT, FLOOR	1	709702
14	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	2	719375
15	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	2	719377
16*	CVG719504	CABLE TIE,BLACK,,18X11-3/4,STD,50LB	1	719504
17	CVG719558	ROD, 5/16-24 X 3" FULLY THDED	1	719558
18	CVG719660	PIN,1/4X1-3/4,CLEVIS,ZC	1	719660
19	CVG719709	PIN,5/16X1,CLEVIS,ZC	2	719709
20	CVG719713	PIN,5/16X7/8,CLEVIS,YWZC150	4	719713
21	CVG719743	PIN,5/64X1,18-8SS,COTTER,BLKZC	1	719743
22	CVG719744	SCREW,5/16-18X1,CARR,G5,MAGNI 525	2	719744
23	CVG719752	COTTER RING,RUE-10 PIVOT POINT,ZC	2	719752
24	CVG719815	WASHER FLT STL .635 X 1.185 X .036 YWZC	2	719815
25	CVG719816	WASHER,5/16X1X.062,F/W,NYL	3	719816
26	CVG719852	CLEVIS,#52,5/16-24,ADJ YOKE END,ZC	2	719852
27	CVG719957	BUSHING NYLON FLANGE	1	719957
28	CVG760967	GREASE FITTING,1/4-28,SELF-TAP	1	760967
29	CVG761046	DECAL, PARKING BRAKE	1	761046
30	CVG761631	NUT, #10-24 GRD 18-8 NM SS NYLOCK	2	761631
31	CVG761632	SCREW, #10-24X1/2" PPH GRD 18-8 SS	2	761632
32	CVG761635	PIN,1/8X1,COTTER,18-8 SS	4	761635
33	CVG781785	NUT, 5/16-18, HN, 18-8, SS	2	781785
34	CVG782543	NUT,5/16-18,FLG,C-L/N,GF,MAGNI575WX	1	782543
35	CVG782790	NUT,5/16-24,JAM,18-8SS	2	782790
36	CVG782841	SCREW,5/16-18X1-1/4,HHCS, 18-8SS	1	782841

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

BRAKE HARDWARE - MECHANICAL

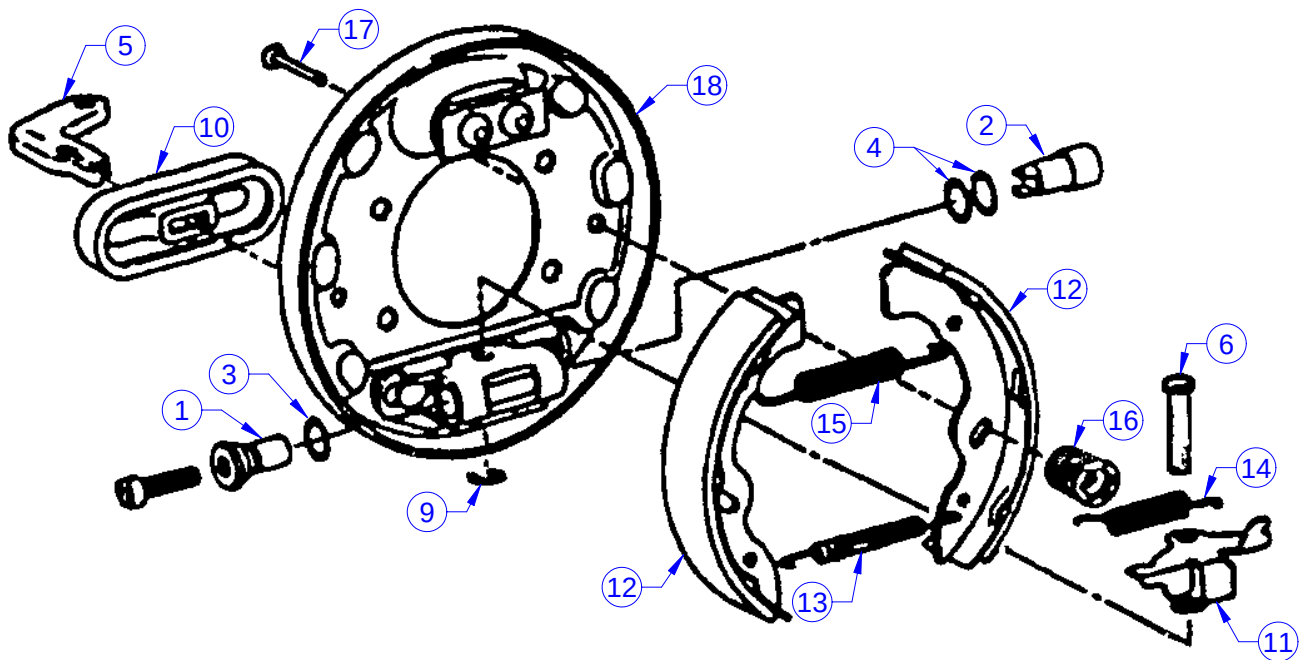


NOTE: Items with * in tables indicates parts not shown in drawing

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HUB BRAKE COMPONENTS



NOTE: REF IMAGE SHOWN IS 709171

ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-19	CVG709171	BACKING PLATE ASSY., LH, ENHANCED FRICTION	KIT	709171
	CVG709170	BACKING PLATE ASSY., RH, ENHANCED FRICTION	KIT	709170
1	NONE	ADJUSTER, LH	1	NONE
	NONE	ADJUSTER, RH	1	NONE
2	NONE	PUSH ROD	1	NONE
3	NONE	WASHER, FLAT	2	NONE
4	NONE	SHIM	A/R	NONE
5	NONE	LEVER, ACTUATOR	1	NONE
6	NONE	PIN, PIVOT	1	NONE
7*	NONE	WASHER, WAVE, ACTUATOR PIVOT	1	NONE
8*	NONE	WASHER, FLAT, ACTUATOR PIVOT	1	NONE
9	NONE	E-CLIP	1	NONE
10	NONE	PROTECTOR BOOT	1	NONE
11	NONE	SELF ADJUSTER, LH	1	NONE
	NONE	SELF ADJUSTER, RH	1	NONE
12	CVG759746	SET, SHOE & LINING ASSY., ENHANCED FRICTION	1	759746
13	NONE	SPRING, RETURN	1	NONE
14	NONE	SPRING, SELF ADJUSTER	1	NONE
15	NONE	SPRING, SHOE RETAINING	1	NONE
16	NONE	SPRING CLIP, SHOE RETAINING	2	NONE
17	NONE	PIN, SHOE RETAINING	2	NONE
18	NONE	SHIELD, DUST	1	NONE
19*	CVG729999	KIT, SPRING (INCLUDES ITEMS 13 - 17)	1	729999

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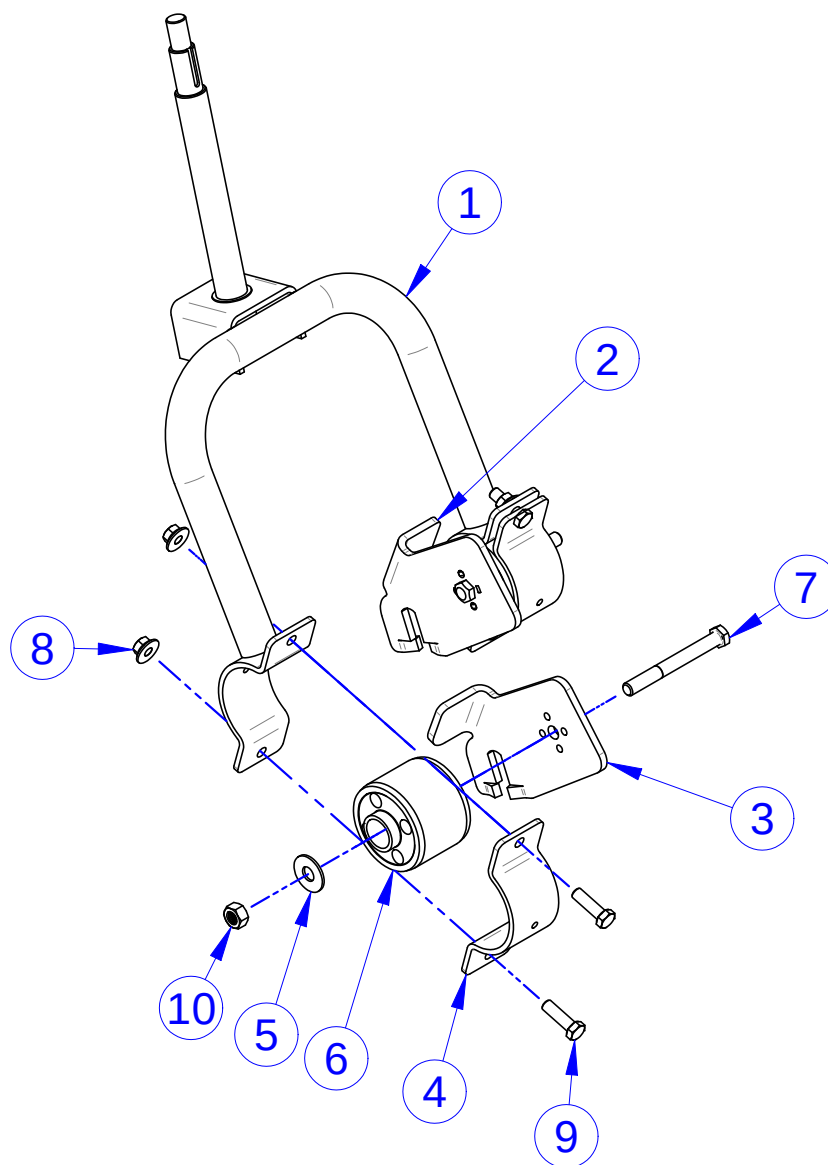
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PARTS MANUAL SECTION 2

FRONT SUSPENSION/ STEERING

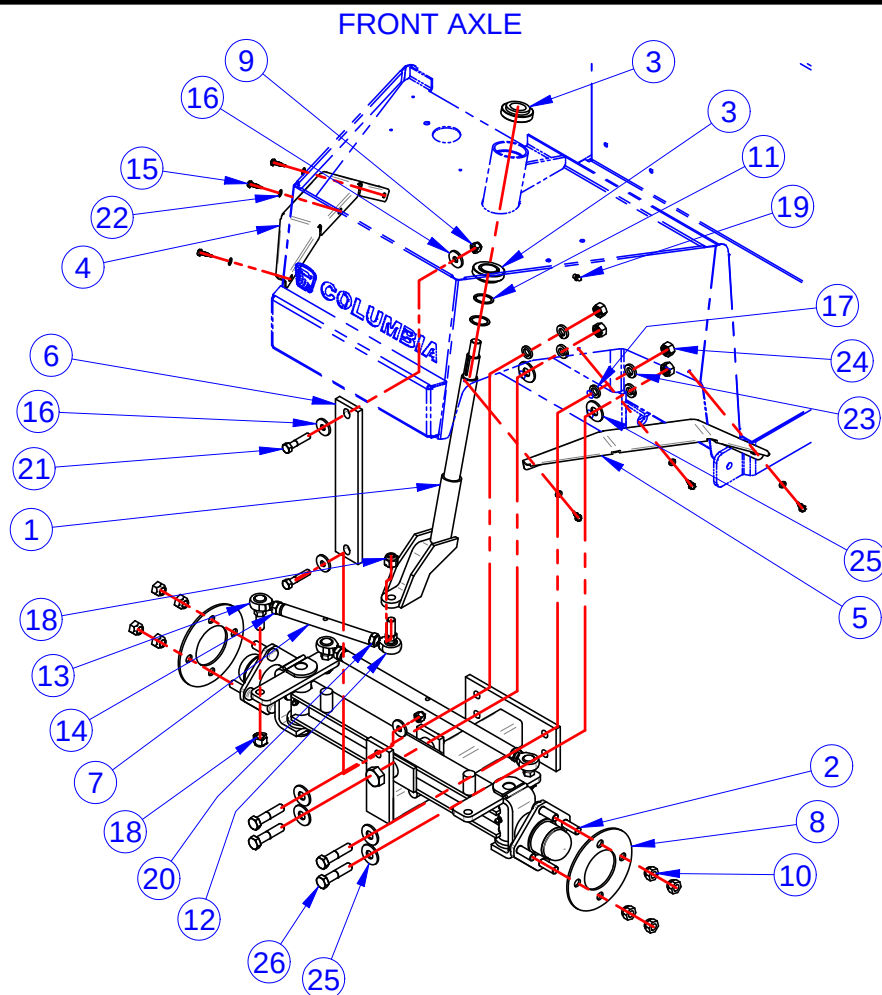


3-WHEELED FRONT END



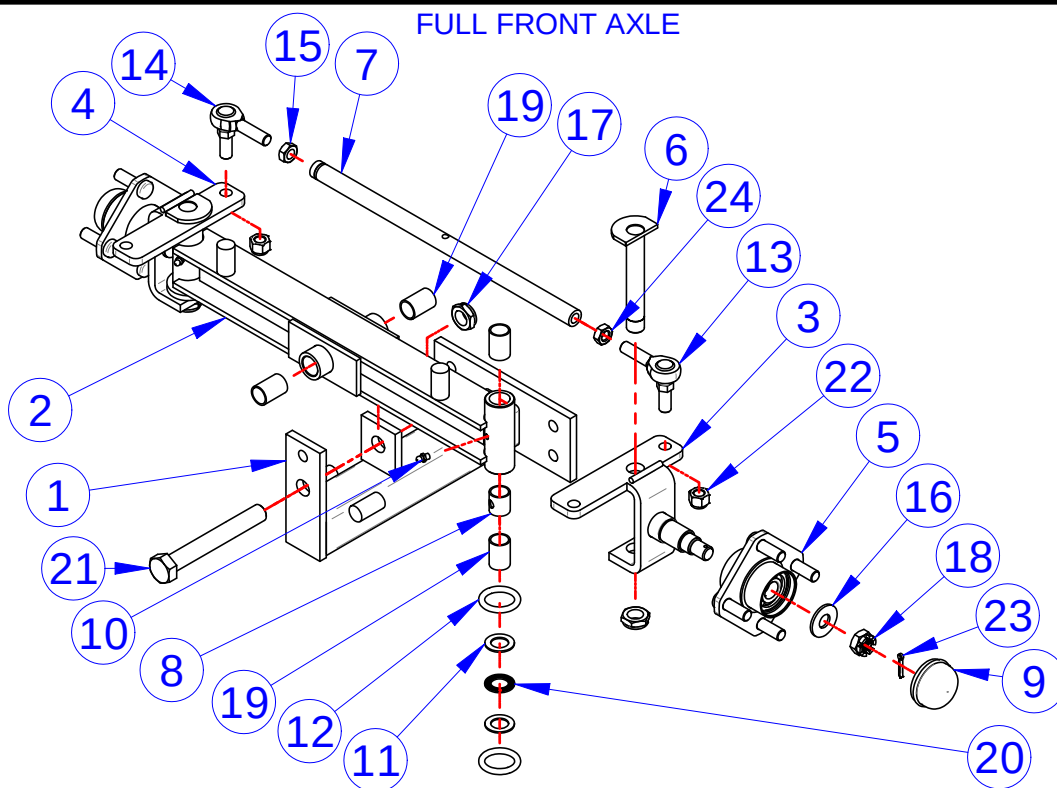
ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG304602	WLDMT, FRONT FORK, EX	1	304602
2	CVG509167	BRACKET, LH	1	509167
3	CVG509168	BRACKET, RH	1	509168
4	CVG509171B	FORK HALF CLAMP, EX	2	509171
5	CVG707374	WASHER,7/16,USS/STD,F/W,ZC	2	707374
6	CVG709401	MOUNT, SUSPENSION	2	709401
7	CVG719666	SCREW,7/16-20X4,HHCS,G5,ZC	2	719666
8	CVG719860	NUT, 3/8-16 GR A SERRATED FLG	4	719860
9	CVG782787	SCREW,3/8-16X1.25,HHCS,18-8SS	4	782787
10	CVG782801	NUT,7/16-20,NYLOCK,NE,SS	2	782801

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



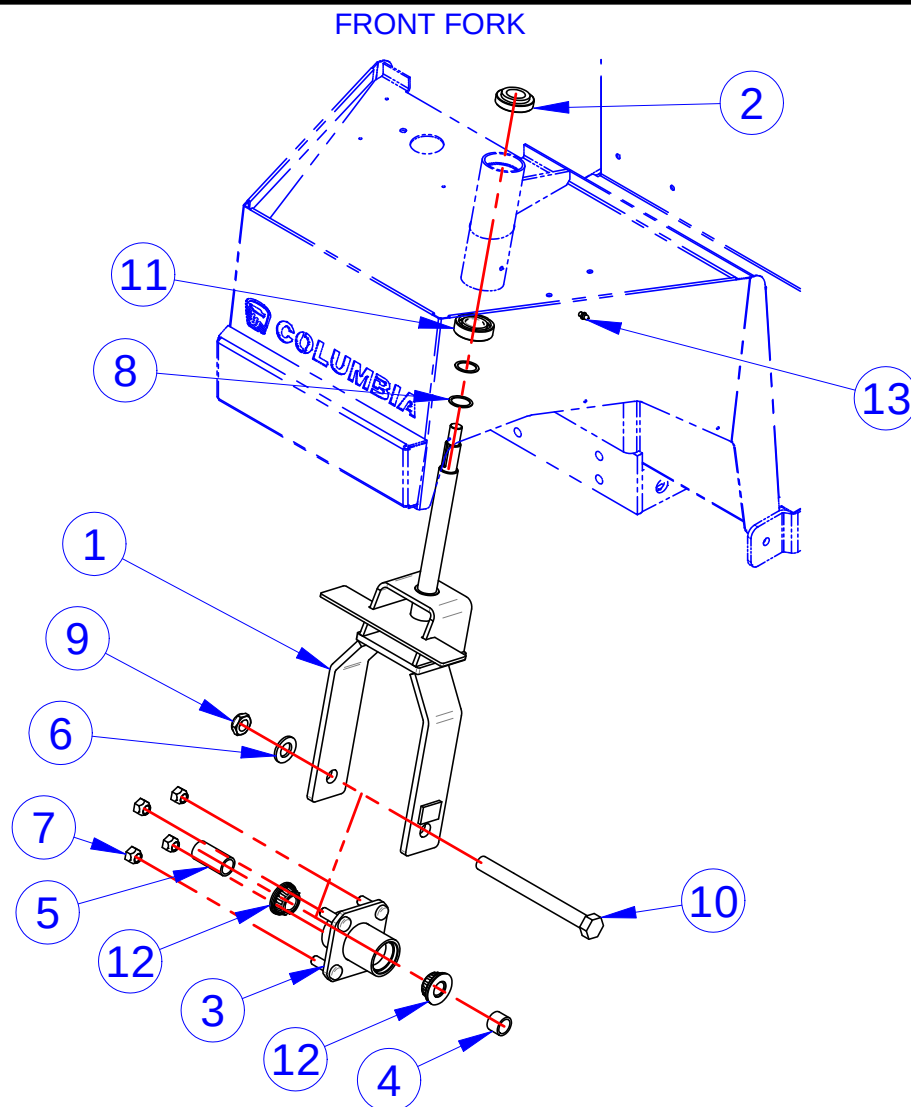
ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG307590	WELDM'T, FORK - FRONT, EX 21	1	307590
2	CVG467203	ASSY, FRONT AXLE, 4-WHEEL, EX	1	467203
3	CVG467529	ASM, NYLON BEARING	2	467529
4	CVG509638TB	FENDER - SMOOTH - RH, EX21	1	509638
5	CVG509639TB	FENDER - SMOOTH - LH, EX21	1	509639
6	CVG509763	PLATE, RETAINER - AXLE	1	509763
7	CVG509769	LINK, TIE ROD - SHORT	1	509769
8	CVG509958PL	SPACER, WHEEL - 4 HOLE, 10 GA THK	2	509958PL
9	CVG708860	NUT, 3/8-16, L/N, NYL, NE, 18-8, S/S	2	708860
10	CVG709002	NUT, 1/2-20, TAPERED WHEEL	8	709002
11	CVG709353	WASHER, 1.25 OD X 1.00 ID X .042 THK	2	709353
12	CVG709761	ASSY, TIE ROD END - 1/2-20 RH THD	1	709761
13	CVG719343	ASSY, TIE ROD END - 1/2-20 LH THD	1	719343
14	CVG719360	NUT, 1/2-20 GR 2 HEX JAM YWZC - LH THD	1	719360
15	CVG719583	SCREW, 10-16X3/4, HWH, TEK, MAG525	6	719583
16	CVG719797	WASHER, FLT STL BLK ZNC .391 X 1.125	4	719797
17	CVG719802	WASHER .515X.812X.134	2	719802
18	CVG760944	NUT, 1/2-20, L/N, NYL, NE, G8, MAGNI 525	2	760944
19	CVG760967	GREASE FITTING, 1/4-28, SELF-TAP	1	760967
20	CVG761657	NUT, 1/2-20, JAM, 18-8 SS	1	761657
21	CVG781788	SCREW, 3/8-16X1-3/4, HHCS, 18-8 SS	2	781788
22	CVG782722	WSHR, #10 X 0.438 X 0.031, FW, 18-8SS	6	782722
23	CVG782762	WSHR, 1/2, (M12), L/W, SPLIT, HEAVY, MAGNI 525	4	782762
24	CVG782802	NUT, 1/2-13, HEX, 18-8 SS	4	782802
25	CVG782821	WASHER, 1/2X1.375OD, FW, ECOGUARD	6	782821
26	CVG783104	SCR, 1/2-13 X 2.25, HCS, G8, ECO	4	783104

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



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-24	CVG467203	P&A, ASM, EX21 4-WHEEL, FRNT AXLE	KIT	467203
1	CVG307585	WELDM'T, AXLE SPRT - EX 21	1	307585
2	CVG307586	WLDMT, EX-21 TRUNNION	1	307586
3	CVG307587WX	WELDM'T, STEERING SPINDLE - LH, EX 21	1	307587
4	CVG307588WX	WELDM'T, STEERING SPINDLE - RH, EX 21	1	307588
5	CVG461830	ASM, HUB, FRONT WHEEL	2	461830
6	CVG467952	PNTD, KING PIN	2	467952
7	CVG509770	LINK, TIE ROD - LONG	1	509770
8	CVG518482	BUSHING, .751 X .878 X .950 W/ HOLE	2	518482
9	CVG709018	HUB GREASE CAP	2	709018
10	CVG709110	GREASE FITTING, 1/4" DRIVE, STRAIGHT	2	709110
11	CVG709217	WASHER, NEEDLE THRUST	4	709217
12	CVG709218	O-RING,#332,1-1/4X1/4	4	709218
13	CVG709761	ASSY, TIE ROD END - 1/2-20 RH THD	1	709761
14	CVG719343	ASSY, TIE ROD END - 1/2-20 LH THD	1	719343
15	CVG719360	NUT, 1/2-20 GR 2 HEX JAM YWZC - LH THD	1	719360
16	CVG719808	WSHR, 9/16 (M14), F/W, USS, G8, MAGNI 525	2	719808
17	CVG719861	NUT, 3/4-16 GR A NTE STYLE JAM NYLON	3	719861
18	CVG719915	NUT, 5/8-18, CASTLE, MAGNI 525	2	719915
19	CVG719961	BUSHING, .751 X .878 X 1.25 OILITE	6	719961
20	CVG719962	BEARING TORRINGTON NEEDLE THRUST	2	719962
21	CVG739586	SCREW,3/4-16X5-1/2,HHCS,G5,ZC	1	739586
22	CVG760944	NUT, 1/2-20, L/N, NYL, NE, G8, MAGNI 525	2	760944
23	CVG761635	PIN,1/8X1,COTTER,18-8 SS	2	761635
24	CVG761657	NUT,1/2-20,JAM,18-8 SS	1	761657

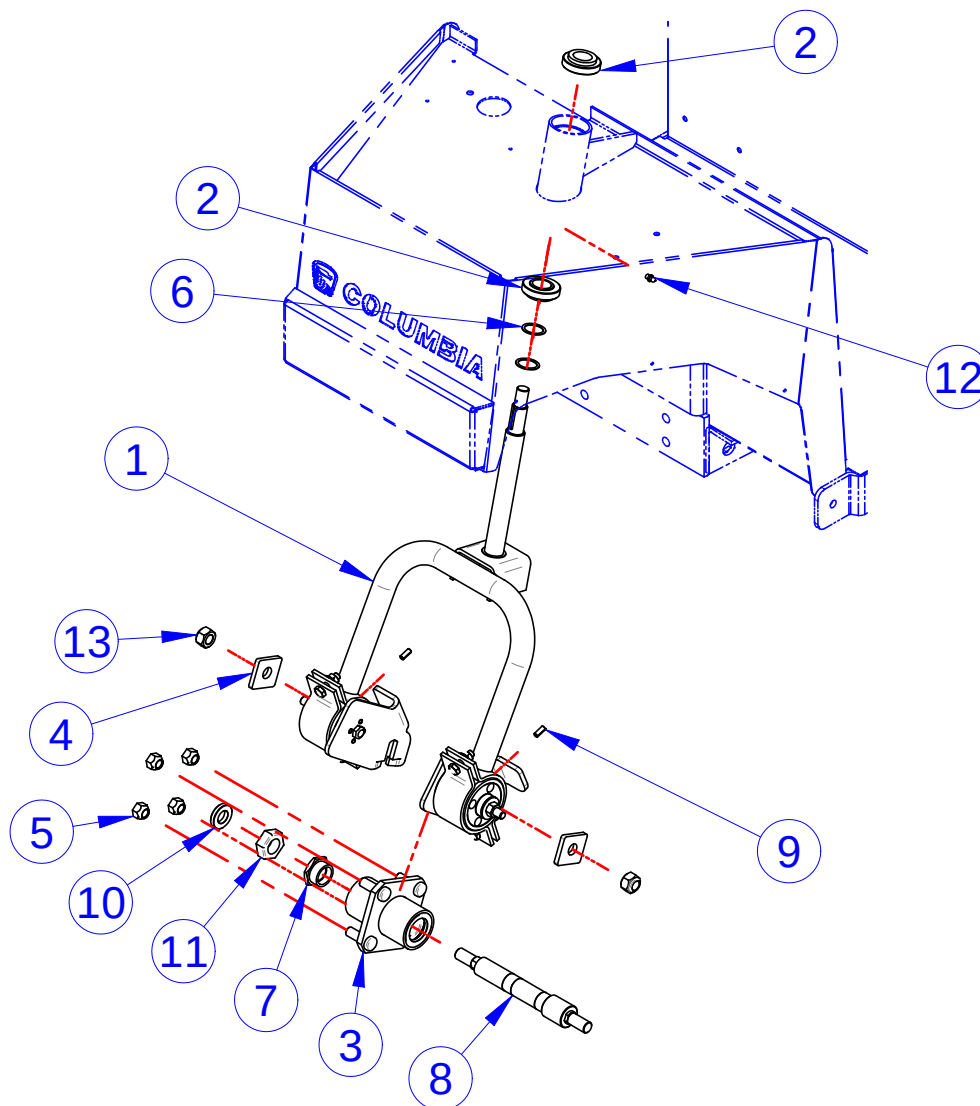
NOTE: Items with * in tables indicates parts not shown in drawing



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-13	CVG192334U	P&A,KIT EX21-T FORK, NO SUSP, RETRO (INCLUDES CVG467529)	KIT	192334
1	CVG310749B	WLDMT, FRONT FORK, EX	1	310749
2	CVG467529	ASM, NYLON BEARING	1	467529
	CVG719958	BEARING 1641-2RS-Q	1	719958
3	CVG467795	ASM, HUB, CR/EX	1	467795
4	CVG510358	SPACER, 0.75", FRONT FORK	1	510358
5	CVG510359	SPACER, 2.125", FRONT FORK	1	510359
6	CVG783130	WSHR, 3/4 (M18), FW, SAE, G8, ECO	1	783130
7	CVG709002	NUT, 1/2-20, TAPERED WHEEL	4	709002
8	CVG709353	WASHER, 1.25 OD X 1.00 ID X .042 THK	2	709353
9	CVG709655	NUT, JAM, 3/4-10 X 1/2 NYLON	1	709655
10	CVG719618	SCREW,3/4-10X8",HHCS,G5,ZC	1	719618
11	CVG719958	BEARING 1641-2RS-Q	1	719958
12	CVG749753	BEARING, TAPERED ROLLER, W/SEAL	2	749753
13	CVG760967	GREASE FITTING,1/4-28,SELF-TAP	1	760967

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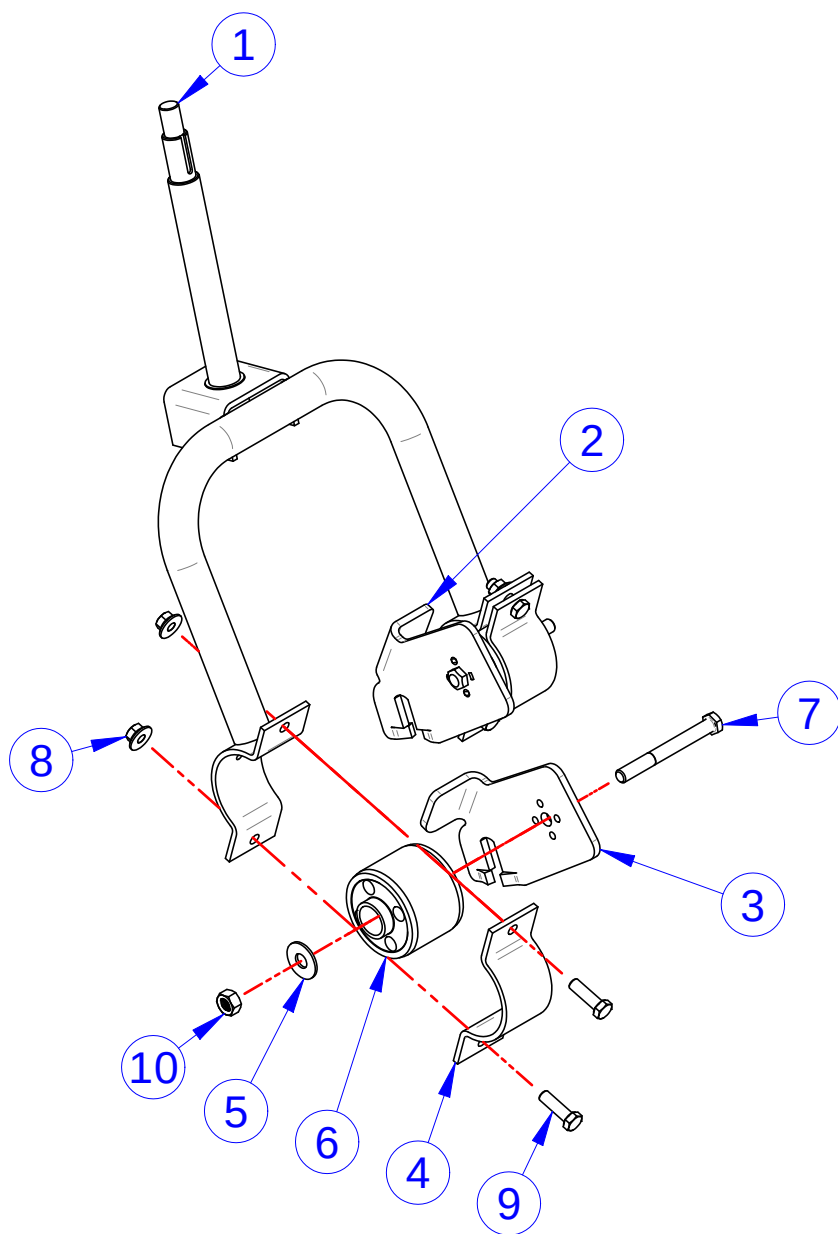
FRONT FORK WITH SUSPENSION



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG467341	ASM, FRONT FORK W/SUSPENSION, EX	1	467341
2	CVG467529	ASM, NYLON BEARING	2	467529
3	CVG467798	ASM, FRONT HUB, EX	1	467798
4	CVG509161	PLATE, AXLE RETAINING	2	509161
5	CVG709002	NUT, 1/2-20, TAPERED WHEEL	4	709002
6	CVG709353	WASHER, 1.25 OD X 1.00 ID X .042 THK	2	709353
7	CVG709443	NUT, BEARING ADJUSTING	1	709443
8	CVG709445	AXLE, FRONT FORK	1	709445
9	CVG719121	PIN, 1/4" X 5/8", ROLL, ZC	2	719121
10	CVG719801	WASHER FLT STL YWZC .734 X 1.375 X.24	1	719801
11	CVG719914	NUT,1-8, HEX,JAM,G2,ZC	1	719914
12	CVG760967	GREASE FITTING,1/4-28,SELF-TAP	1	760967
13	CVG781140	LOCKNUT, 5/8-11 NYLON INSERT, ZINC	2	781140

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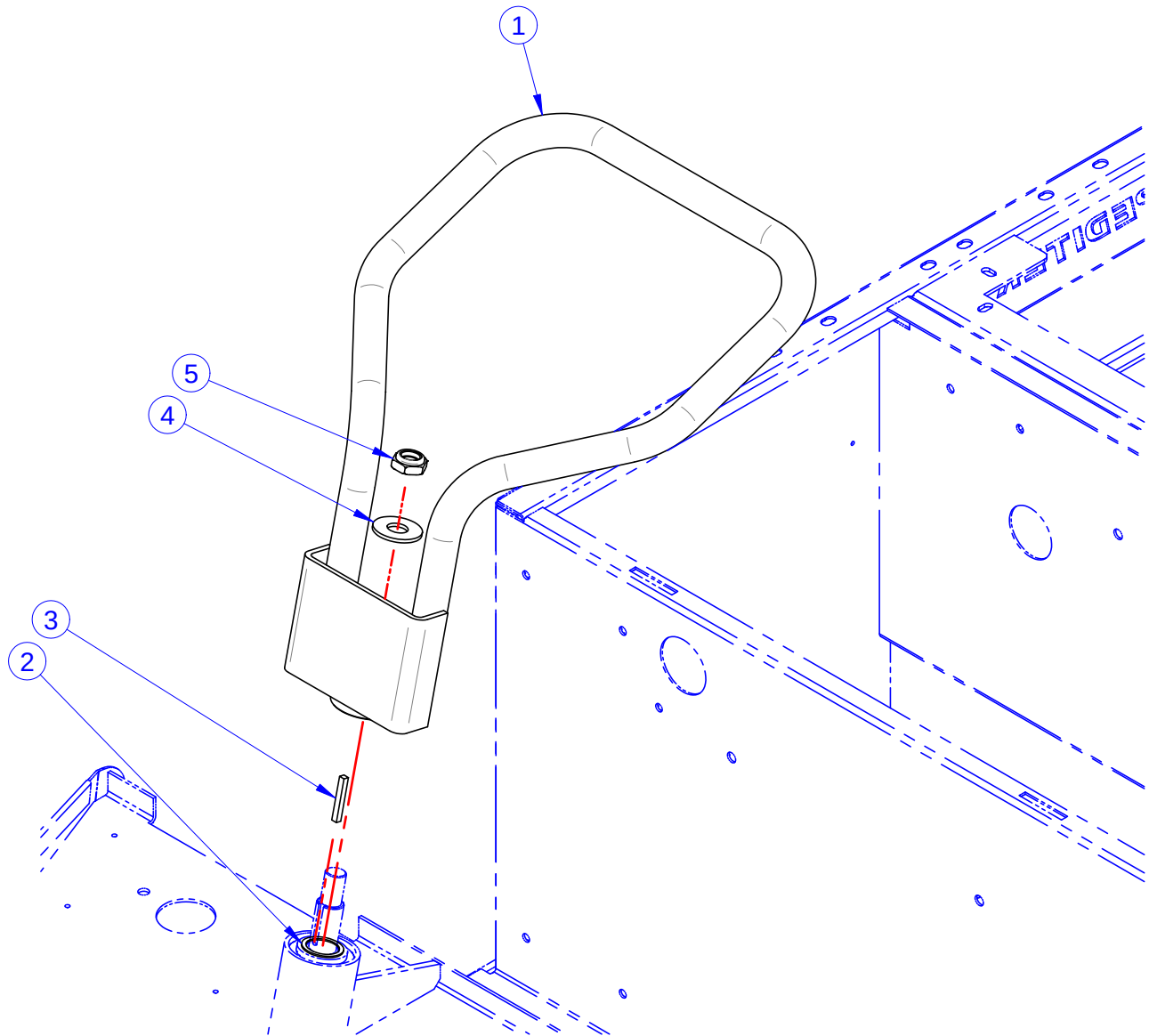
FRONT FORK WITH SUSPENSION



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-10	CVG467341	ASM, FRONT FORK W/SUSPENSION, EX	KIT	467341
1	CVG304602	WLDMT, FRONT FORK, EX	1	304602
2	CVG509167	BRACKET, LH	1	509167
3	CVG509168	BRACKET, RH	1	509168
4	CVG510194	FORK HALF CLAMP, EX	2	510194
5	CVG707374	WASHER, 7/16, USS/STD, F/W, ZC	2	707374
6	CVG709401	MOUNT, SUSPENSION	2	709401
7	CVG719666	SCREW, 7/16-20X4, HHCS, G5, ZC	2	719666
8	CVG719860	NUT, 3/8-16 GR A SERRATED FLG	4	719860
9	CVG782787	SCREW, 3/8-16X1.25, HHCS, 18-8SS	4	782787
10	CVG782801	NUT, 7/16-20, NYLOCK, NE, SS	2	782801

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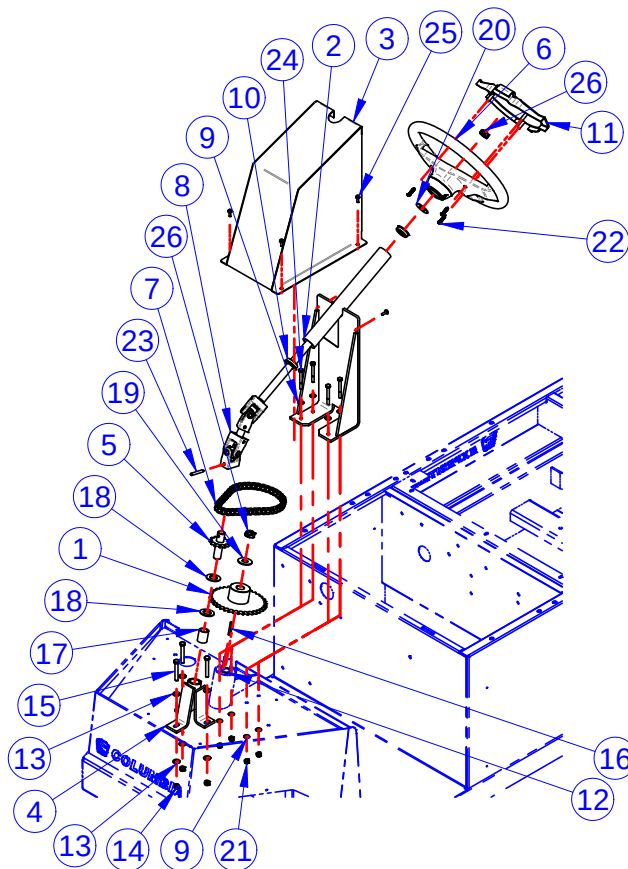
TILLER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG304581TB	WLDMT, TILLER BAR, EX	1	304581
2	CVG709353	WASHER, 1.25 OD X 1.00 ID X .042 THK	2	709353
3	CVG719656	KEY, SQUARE PL, 3/16 X 1-7/16	1	719656
4	CVG719808	WSHR, 9/16 (M14), F/W, USS, G8, MAGNI 525	1	719808
5	CVG782766	NUT, 5/8-18, L/N, JAM, NYL, NTE, 18-8, S/S	1	782766

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

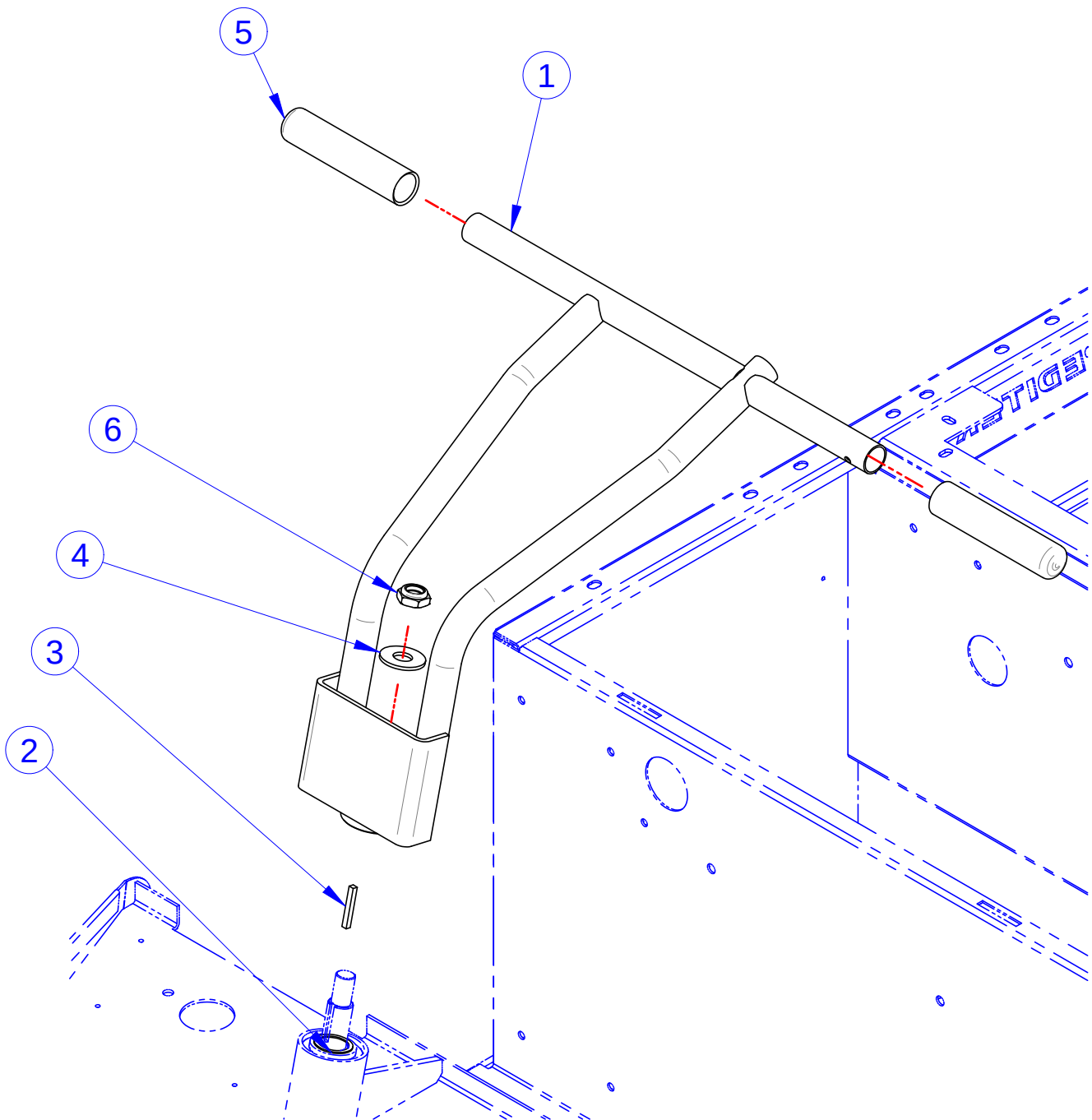
STEERING WHEEL



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-26	CVG190451U	P&A KIT, EX21 STEERING WHEEL	KIT	190451
1	CVG306438	SPROCKET, STEERING	1	306438
2	CVG307288TB	WLDMT, STEERING COLUMN, EX	1	307288
3	CVG307292TB	WLDMT, STEERING COLUMN GUARD, EX	1	307292
4	CVG309113	WLDMT, TRIPOD, EX21	1	309113
5	CVG193048U	EX 21 STEERING PINION WELDMENT	1	313001
6	CVG463399	ASM, STEERING WHEEL, SPORT	1	463399
7	CVG463497	ASM, CHAIN, STEERING EX21 22 LINK	1	463497
8	CVG468212	STEERING SHAFT, ASSY, EX21	1	468212
9	CVG708511	WASHER, FLAT, 1/4", 18-8SS	8	708511
10	CVG709023	BALL BEARING, 0.75" ID - STEERING COL	2	709023
11	CVG709043	SCORECARD HOLDER	1	709043
12	CVG709353	WASHER, 1.25 OD X 1.00 ID X .042 THK	2	709353
13	CVG719375	WSHR, 5/16X0.750X0.040, F/W, 18-8S/S	6	719375
14	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	3	719377
15	CVG719616	SCREW, 5/16-18X2-1/4, HHCS, G5, YWZC150	3	719616
16	CVG719656	KEY, SQUARE PL, 3/16 X 1-7/16	1	719656
17	CVG719765	BUSHING NYLON NN1216-20	1	719765
18	CVG719767	WASHER, .76X1.42X.1, F/W, NYLON	2	719767
19	CVG719808	WSHR, 9/16 (M14), F/W, USS, G8, MAGNI 525	1	719808
20	CVG719809	BUSHING 3/4 X 1-1/2 X 14GA WIDE RIM YWZ	1	719809
21	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	4	719876
22	CVG729263	SCREW #10X1, PPH, T/S, TA, MAGNI 525	3	729263
23	CVG760010	ROLL PIN, 1/4 X 1 3/4"	1	760010
24	CVG761650	SCREW, 1/4-20X2-1/4, HHCS, G8, SS	4	761650
25	CVG761652	SCREW, 10-24X5/8, HWHTR, SS	6	761652
26	CVG782766	NUT, 5/8-18, L/N, JAM, NYL, NTE, 18-8, S/S	2	782766

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

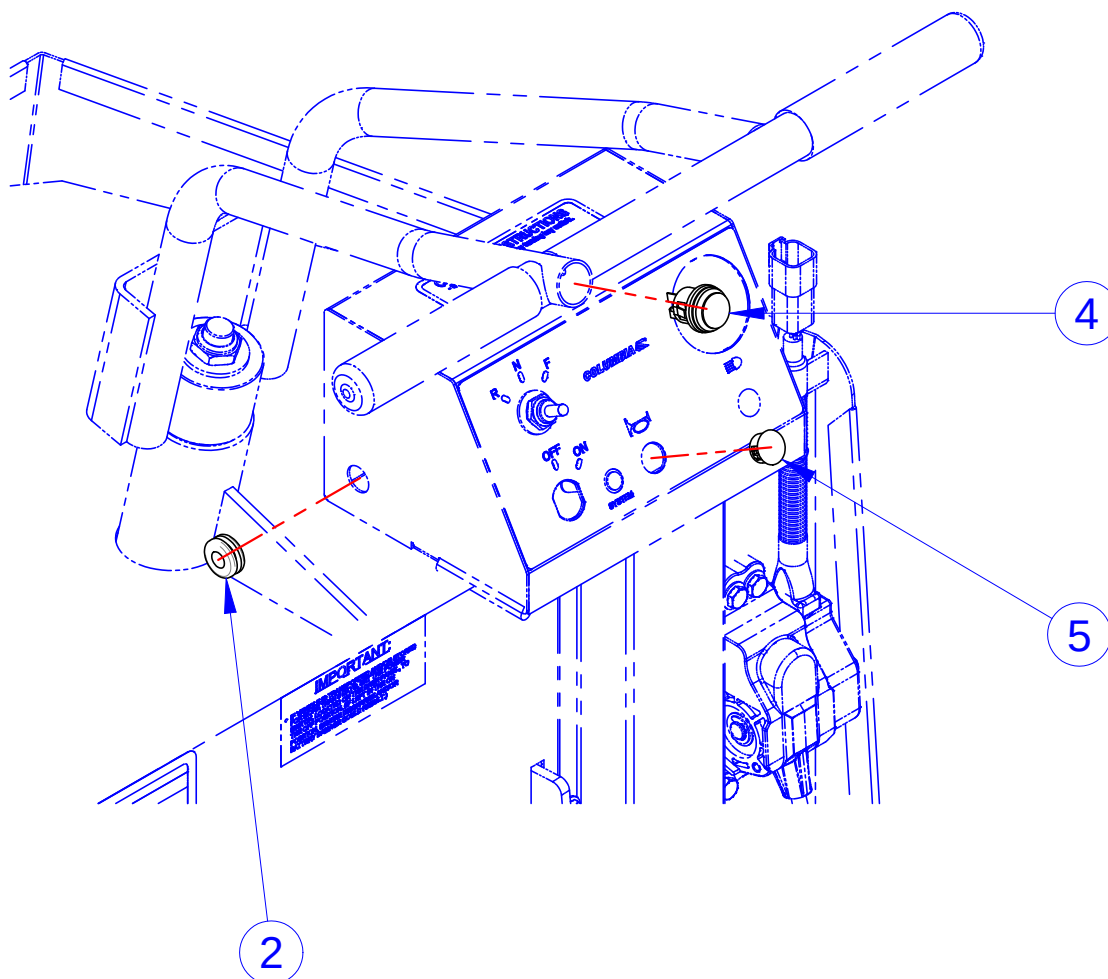
HANDLEBARS



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG193421U	WLDMT, HANDLEBAR, EX	1	314293
2	CVG709353	WASHER, 1.25 OD X 1.00 ID X .042 THK	2	709353
3	CVG719656	KEY, SQUARE PL, 3/16 X 1-7/16	1	719656
4	CVG719808	WSHR, 9/16 (M14), F/W, USS, G8, MAGNI 525	1	719808
5	CVG761788	GRIP,FLEXFIT,1"IDX5"	2	761788
6	CVG782766	NUT, 5/8-18, L/N, JAM, NYL, NTE, 18-8, S/S	1	782766

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

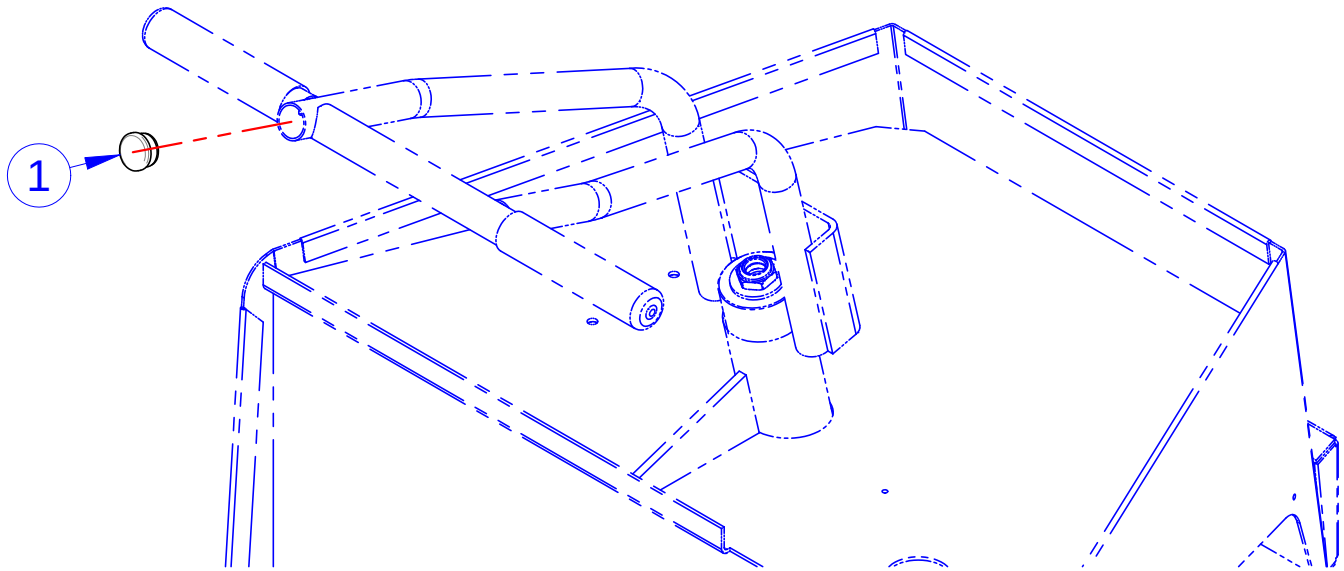
HANDLE HORN SWITCH



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1*	CVG468321	HARNESS, HORN SW, HANDLE BAR, EX	1	468321
2	CVG719522	GROMMET, 3/8 X 7/8	1	719522
3*	CVG739272	FOAM TAPE, 1/8 X 1/2	1	739272
4	CVG761141	SWITCH, PUSH BUTTON	1	761141
5	CVG782140	PLUG, .625 DOME, BLACK NYLON	1	782140

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

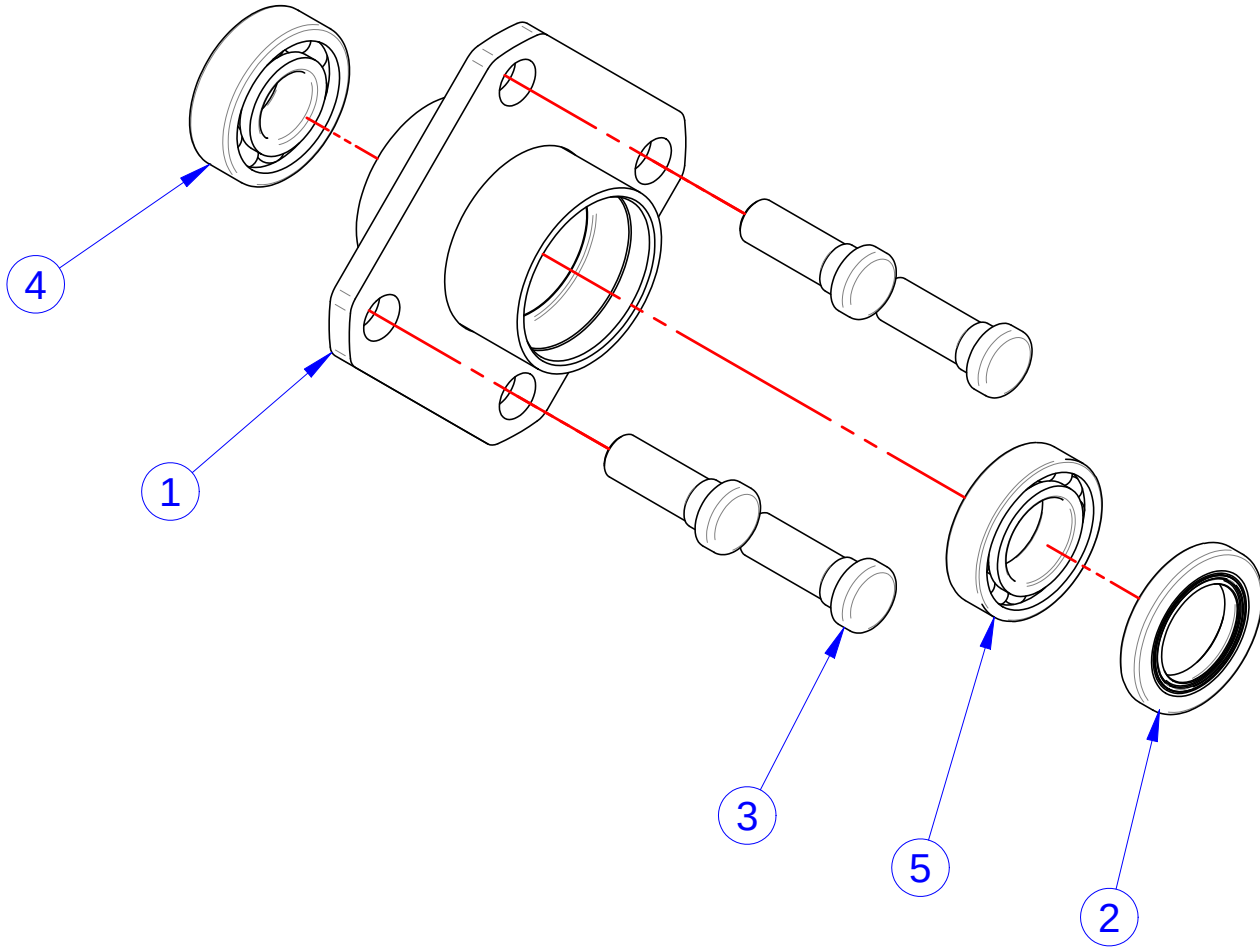
HANDLEBAR PLUG



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG707043	PLUG,ROUND TUBE,1.00"ODX14/16GA	1	707043

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

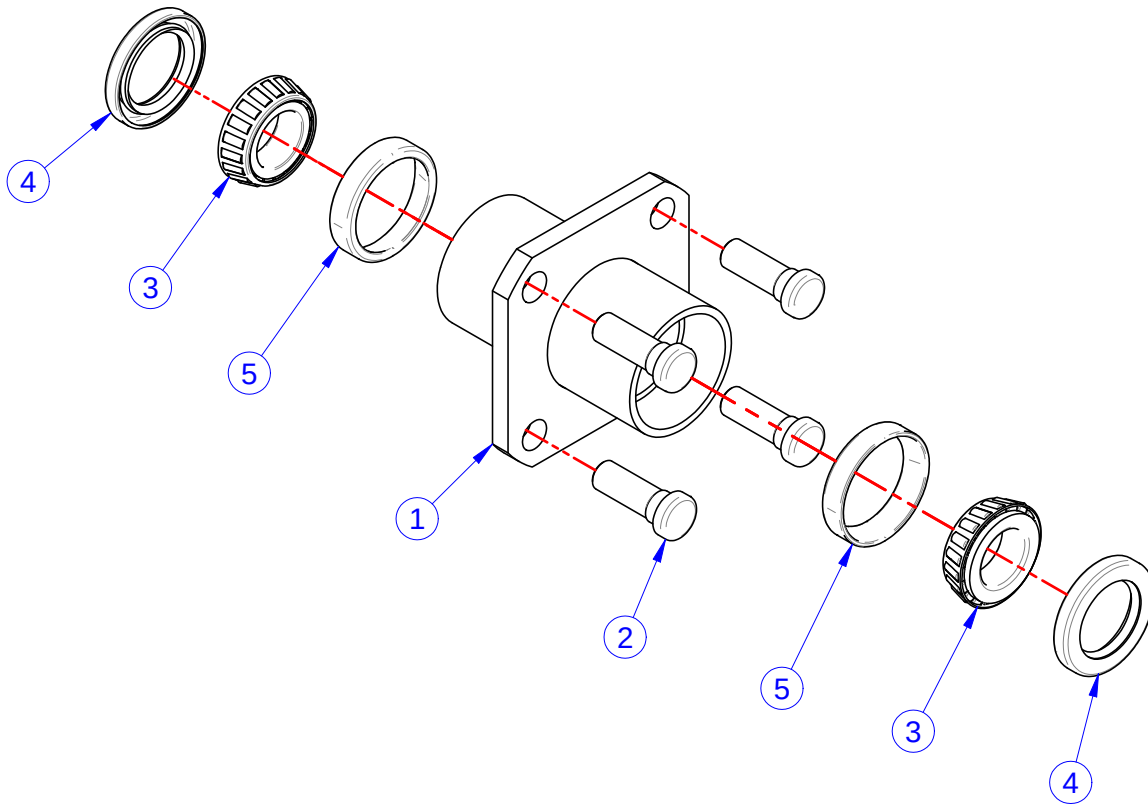
FRONT WHEEL HUB



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-5	CVG461830	ASM, HUB, FRONT WHEEL	KIT	461830
1	NONE	WLDMT, HUB, FRONT WHEEL	1	303069
2	CVG709017	SEAL, OIL	1	709017
3	CVG719655	WHEEL BOLT, 1/2-20 X 1-1/2 G5 YELLOW	4	719655
4	CVG719953	BEARING 6204	1	719953
5	CVG719954	BEARING 6005	1	719954

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

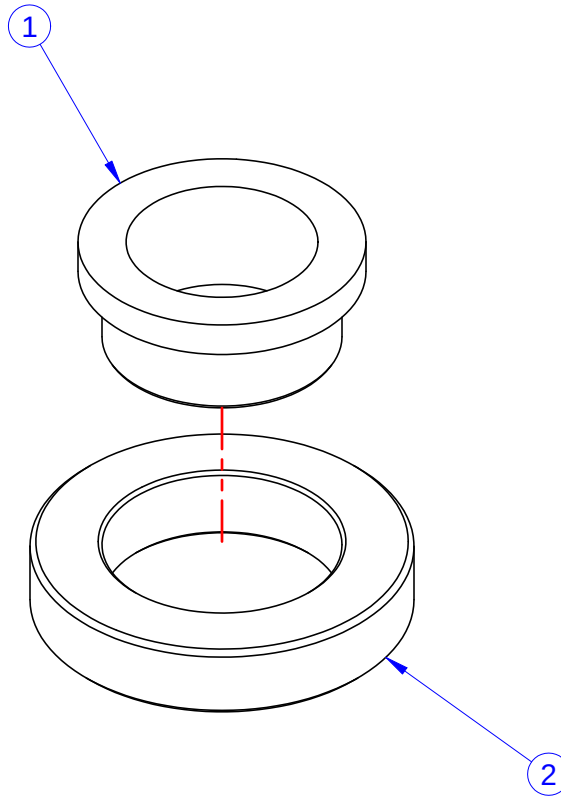
FRONT WHEEL HUB



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-5	CVG467798	ASM, FRONT HUB, EX		467798
1	NONE	WLDMT, HUB, EX	1	310594
2	CVG719655	WHEEL BOLT, 1/2-20 X 1-1/2 G5 YELLOW	4	719655
3	CVG719684	ROLLER BEARING, L44643	2	719684
4	CVG719685	OIL SEAL	2	719685
5	CVG719686	RACE BEARING, L44610	2	719686

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

NYLON BEARING



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-2	CVG467529	ASM, NYLON BEARING	KIT	467529
1	CVG759893	IGUS HIGH IMPACT FLNG BRNG	1	759893
2	CVG759894	BEARING REDUCER, 2.00 X 1.25 X 0.40	1	759894

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





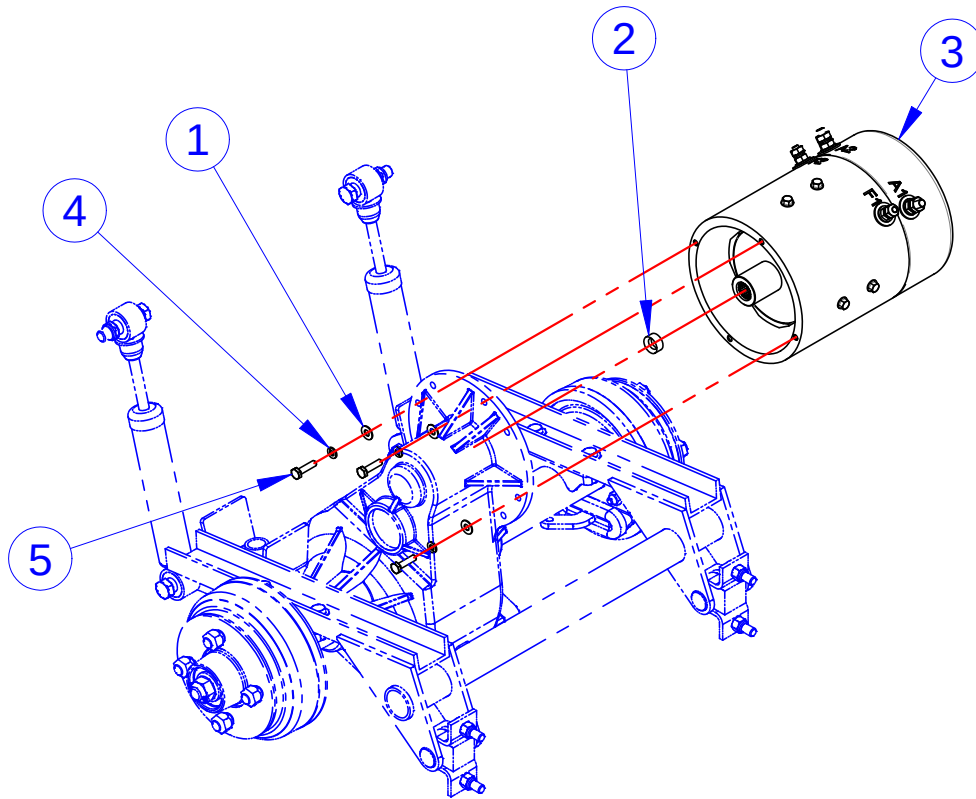
COLUMBIA

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PARTS MANUAL SECTION 3

REAR SUSPENSION/ DRIVE TRAIN

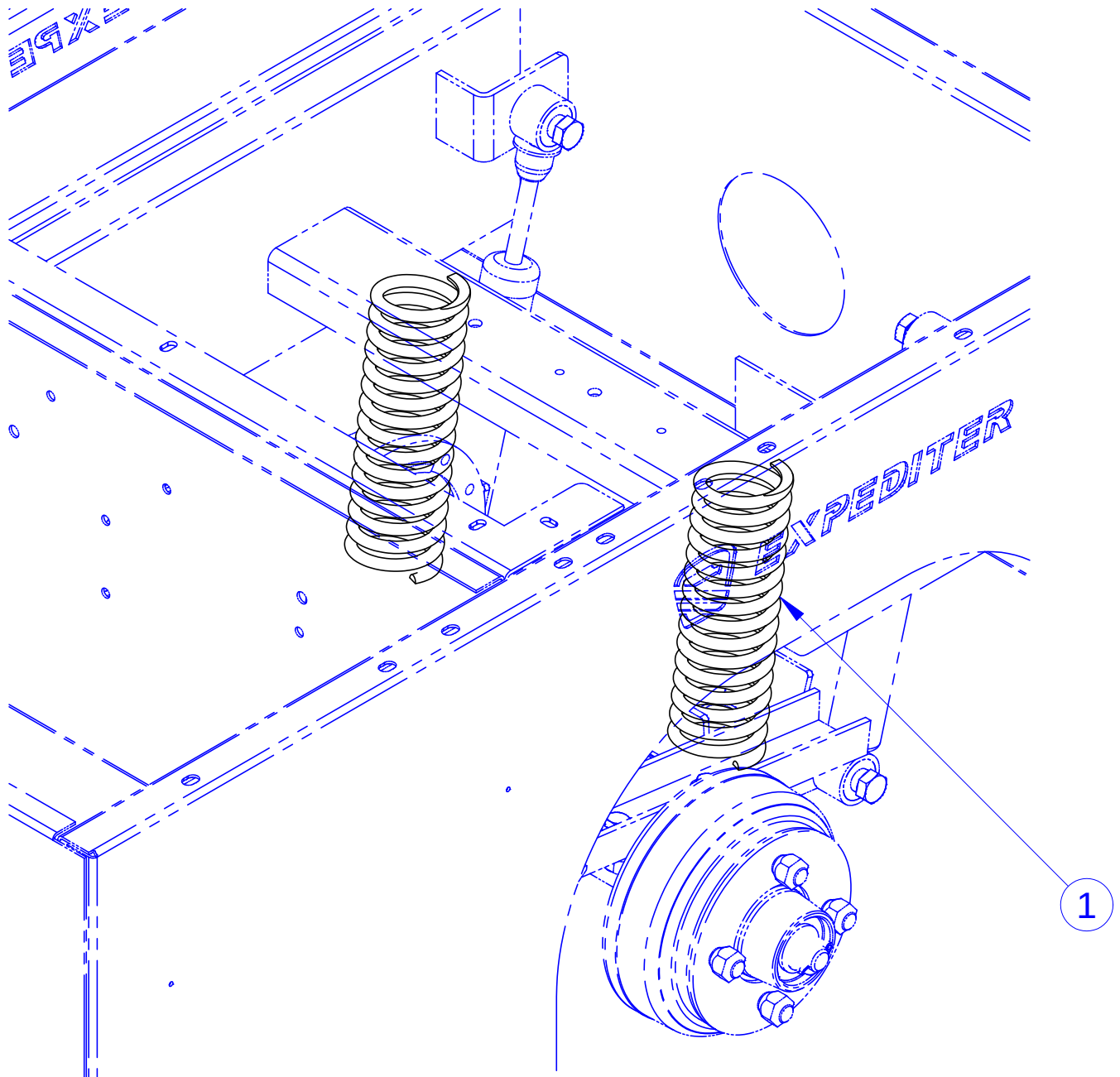
MOTOR HARDWARE



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG708511	WASHER, FLAT, 1/4", 18-8SS	3	708511
2	CVG709050	RESILIENT BUMPER-ELEC MOTOR	1	709050
3	CVG719135	MOTOR, ELECT., 48V, SEPARATELY EXCITED	1	719135
4	CVG719378	WSHR, 1/4 (M6), L/W, SPLIT, 18-8, S/S	3	719378
5	CVG782785	SCREW, 1/4-20X1.0, HHCS, 18-8SS	3	782785

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

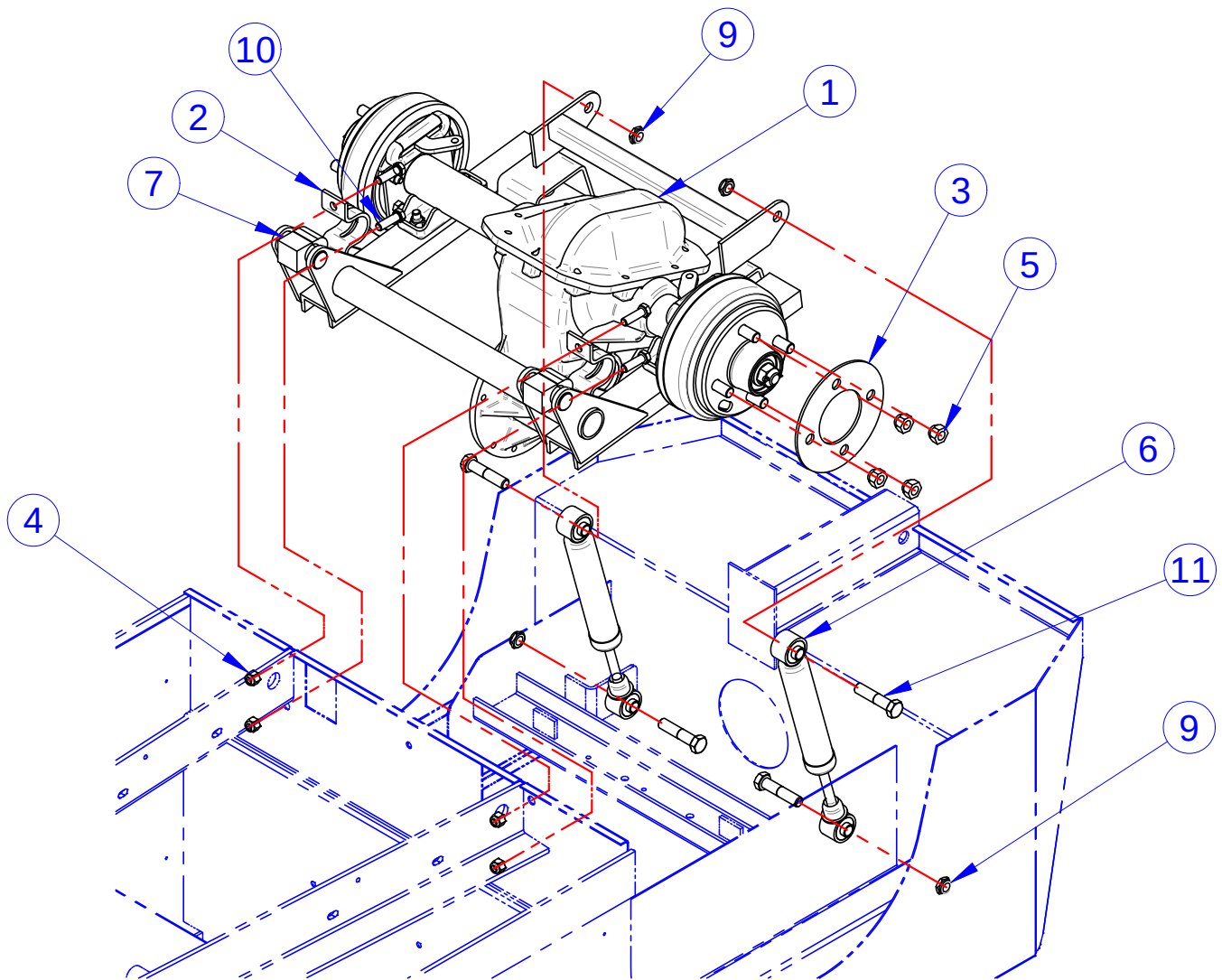
REAR SPRINGS



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG709403	SPRING, COMPRESSION (STANDARD)	2	709403
	CVG719167	SPRING, COMPRESSION, 2.5"OD X 10"(HEAVY DUTY)	2	719167

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

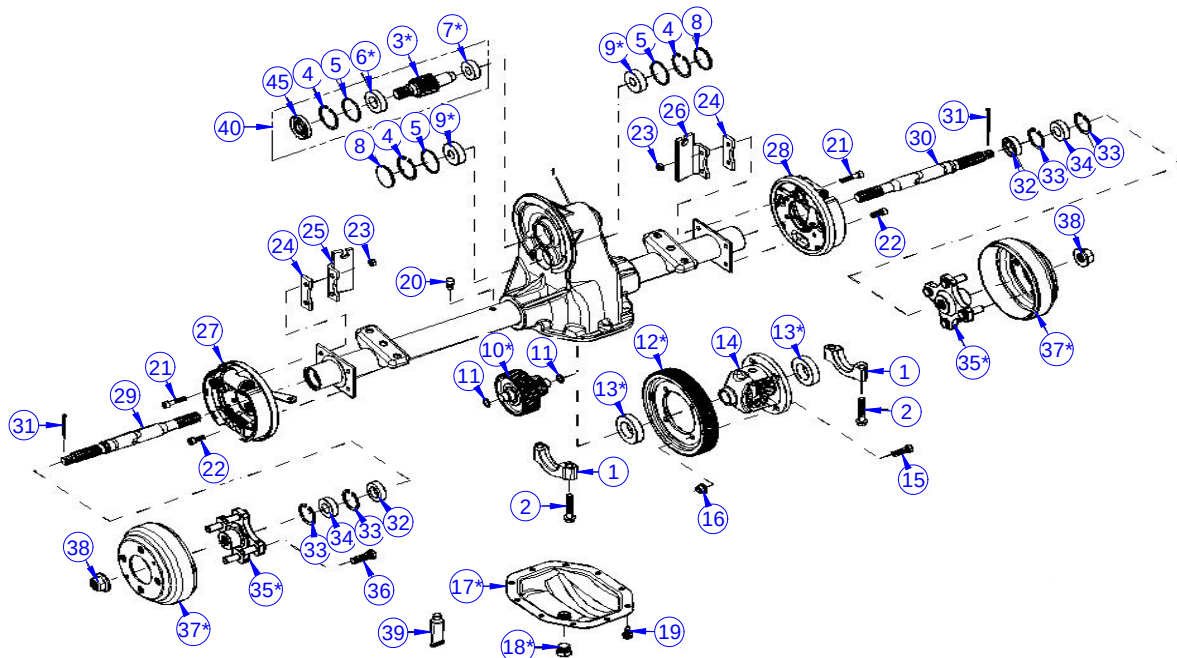
REAR AXLE



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	NONE	ASSY, 12.44 AXLE, EX	1	467787
	NONE	ASSY, 16.99 AXLE, EX	1	467789
2	CVG509190	STABILIZER RETAINER	2	509190
3	CVG509958PL	SPACER, WHEEL - 4 HOLE, 10 GA THK	2	509958PL
4	CVG708860	NUT, 3/8-16, L/N, NYL, NE, 18-8, S/S	4	708860
5	CVG709002	NUT, 1/2-20, TAPERED WHEEL	8	709002
6	CVG709006	SHOCK ABSORBER	2	709006
7	CVG709405	BLOCK, STABILIZER	2	709405
8*	NONE	OIL, 30W GEAR, HELICAL AXLE	1	709417
9	CVG719878	NUT 1/2-13, GR A, NYLON LOCK JAM	4	719878
10	CVG782787	SCREW, 3/8-16X1.25, HHCS, 18-8SS	4	782787
11	CVG783104	SCR, 1/2-13 X 2.25, HCS, G8, ECO	4	783104

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

AXLE COMPONENTS



ITEM	CVG PN	DESCRIPTION	QTY	REF #
3	NONE	Shaft, Input (see 760376 for input gear info)	1	NONE
4	CVG749701	Ring, Snap	3	CVG749701
5	CVG729030	O-Ring	3	729030
6	CVG760375	Bearing, Ball	1	760375
7	CVG749699	Bearing, Ball	1	749699
9	CVG749419	Bearing, Ball	2	749419
10	NONE	Shaft, Intermediate Gear (see 760376 for gear info)	1	NONE
11	CVG719132	O-Ring	2	719132
12	NONE	Gear, Final Drive (see 760367 for final gear info)	1	NONE
13	CVG749700	Bearing, Ball	2	749700
14	CVG749575	Differential Case Assembly	1	749575
17	CVG749702	Plate, Cover	1	749702
18	CVG749704	Plug, Drain/Fill	1	749704
23	CVG782543	Nut, Lock	8	782543
24	NONE	Spacer, Bracket	2	NONE
25	CVG510210	Bracket, Brake Cable (Mechanical Brakes)	1	503969
26	CVG510209	Bracket, Brake Cable (Mechanical Brakes)	1	503970
27	CVG709171	Assembly, Brake, LH (Mechanical)	1	709171
28	CVG709170	Assembly, Brake, RH (Mechanical)	1	709170
29	CVG749696	Shaft, Axle, LH (Long)	1	749696
30	CVG749698	Shaft, Axle, RH (Short)	1	749698
31	NONE	Pin, Cotter	2	707337
32	CVG749367	Seal, Oil	2	749367
33	CVG749370	Ring, Retaining	4	749370
34	CVG749369	Bearing, Ball	2	749369
35	NONE	Assembly, Hub, Wheel	2	NONE
36	CVG719463	Bolt, Wheel (1.68" Long)	8	719463
37	NONE	Drum, Brake	2	NONE
38	NONE	Nut, 5/8-18, Hex, Flange, Locking	2	NONE
42*	NONE	Kit, Bearing	1	NONE
43*	NONE	Kit, Cover Plate	1	NONE
44*	CVG719281	Kit, Hub/Drum	2	719281
45	CVG760371	Oil Seal - Input Shaft	1	760371
46*	CVG191697U	Kit, Input Bearing & O-Ring (refer to 760376 for kit info)	1	191697U
47*	NONE	Hub	2	NONE

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





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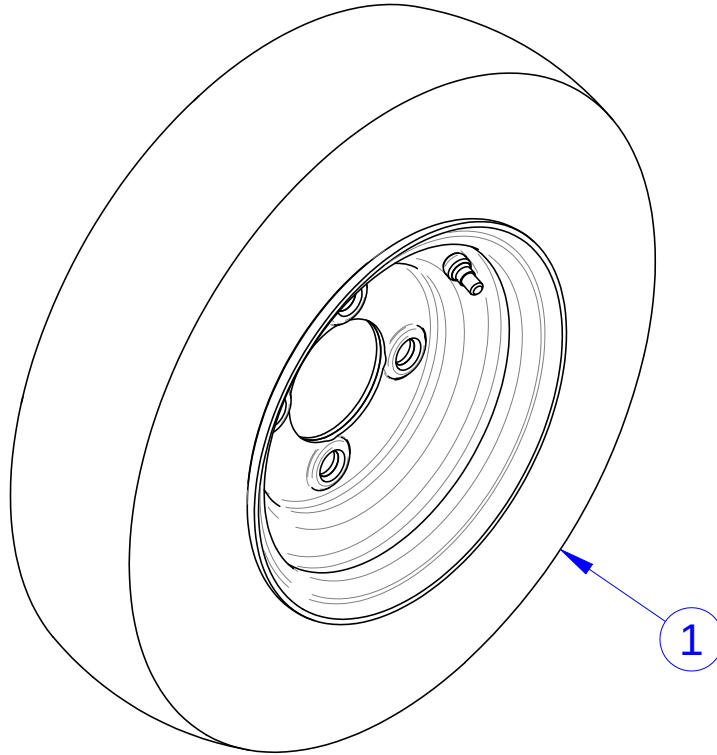
PARTS MANUAL

SECTION 4

WHEELS



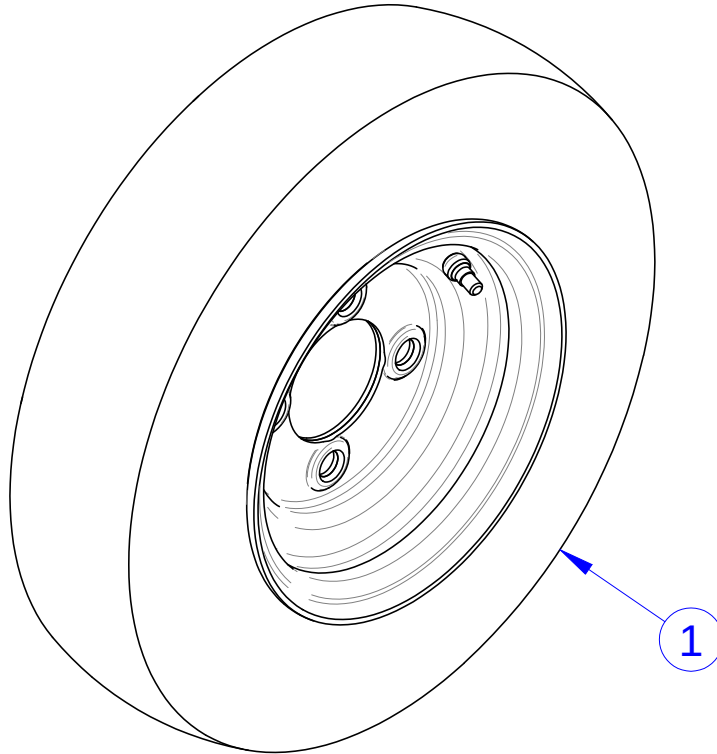
3 WHEEL OPTIONS



3-WHEELED VEHICLE OPTIONS				
ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG709107	RIM & TIRE, 4.80 X 8.00 LRB (STANDARD)	3	709107
	CVG709930	TIRE/WHEEL ASSY, 4.0X8 SLD NONMARK		709930
	CVG760323	TIRE/WHEEL ASSY,4-H ,4.8X8NM,LRC		760323
	CVG761742	TIRE/WHEEL ASSY,4.8X8,FLEX FOAM		761742

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

4 WHEEL OPTIONS



4-WHEELED VEHICLE OPTIONS				
ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG709107	RIM & TIRE, 4.80 X 8.00 LRB (STANDARD)	4	709107
	CVG709930	TIRE/WHEEL ASSY, 4.0X8 SLD NONMARK		709930
	CVG760323	TIRE/WHEEL ASSY,4-H ,4.8X8NM,LRC		760323
	CVG761742	TIRE/WHEEL ASSY,4.8X8,FLEX FOAM		761742

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





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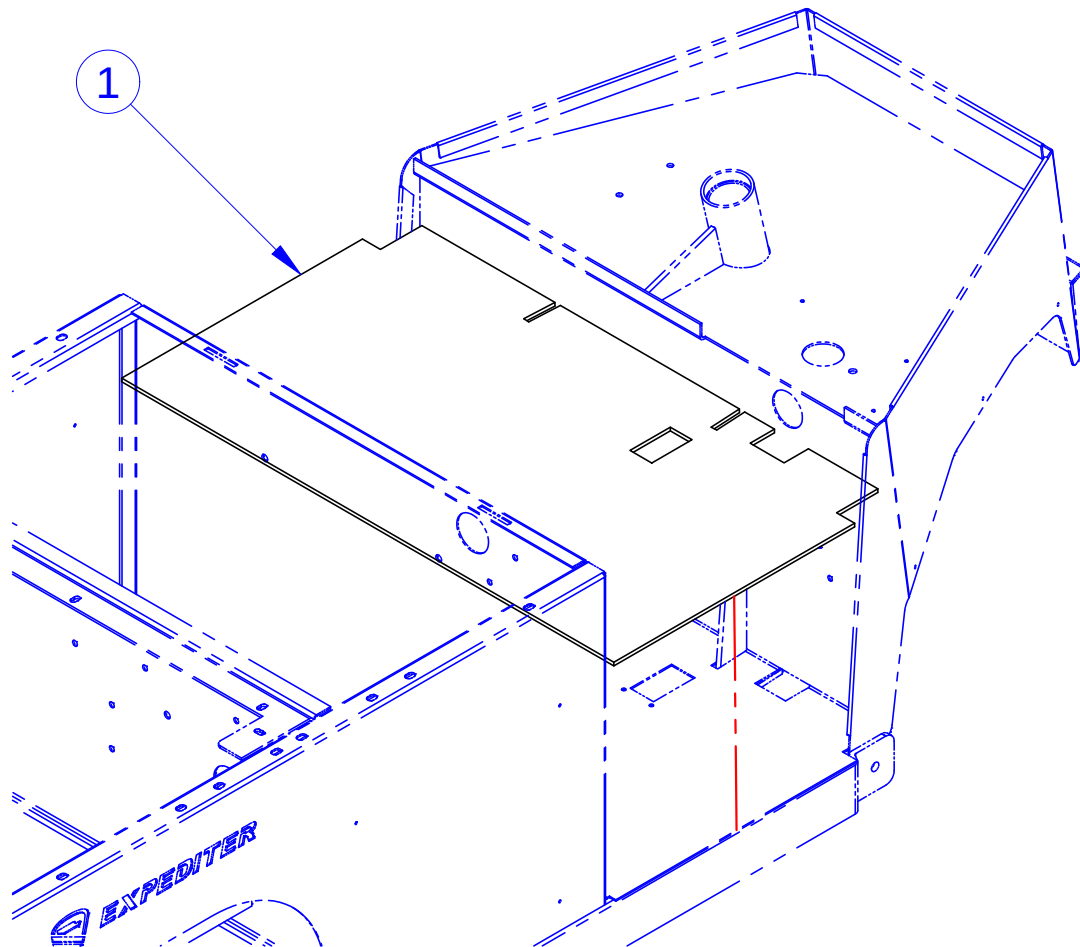
PARTS MANUAL

SECTION 5

BODY



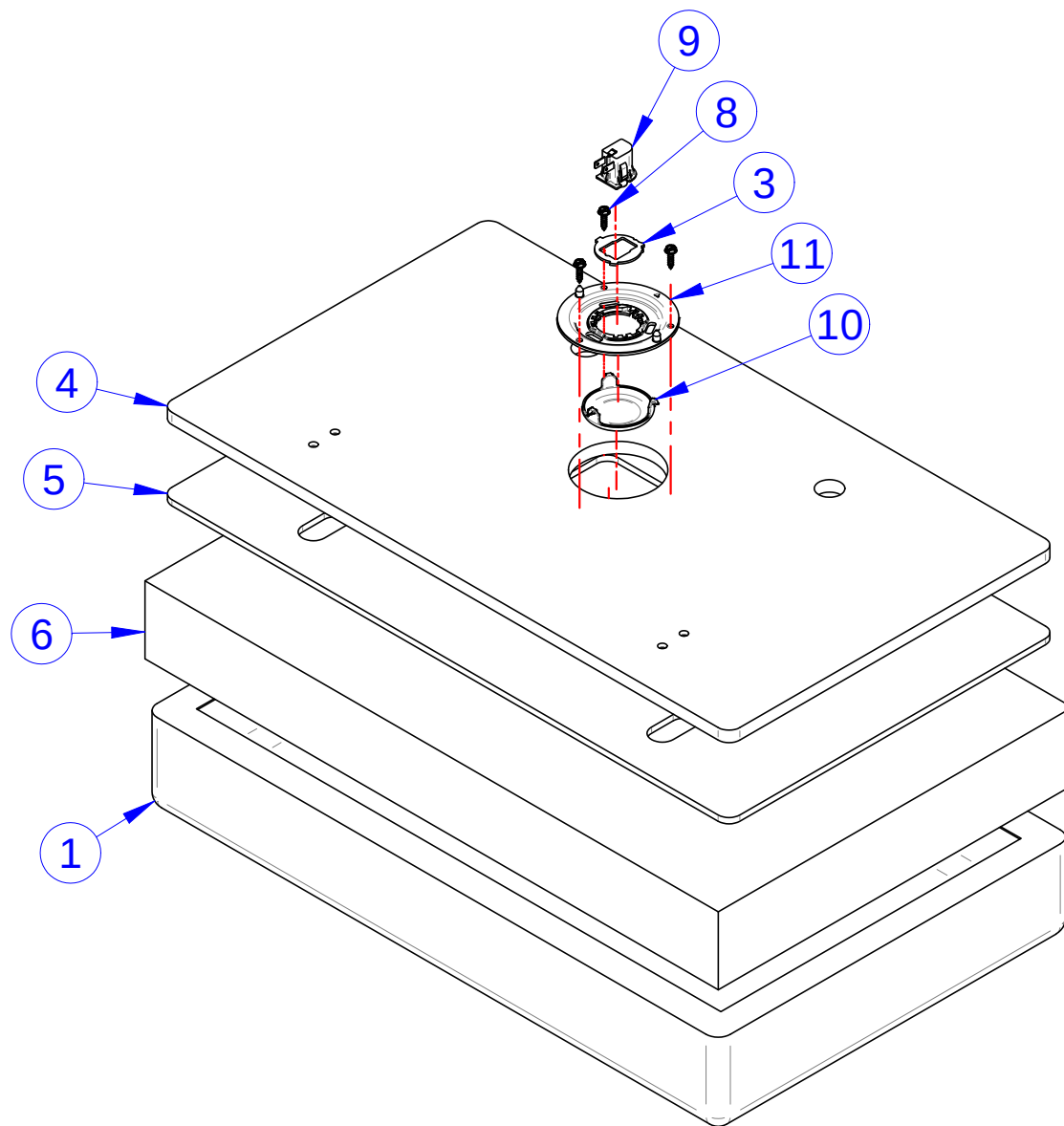
FLOORMAT



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG709702	MAT, FLOOR	1	709702

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

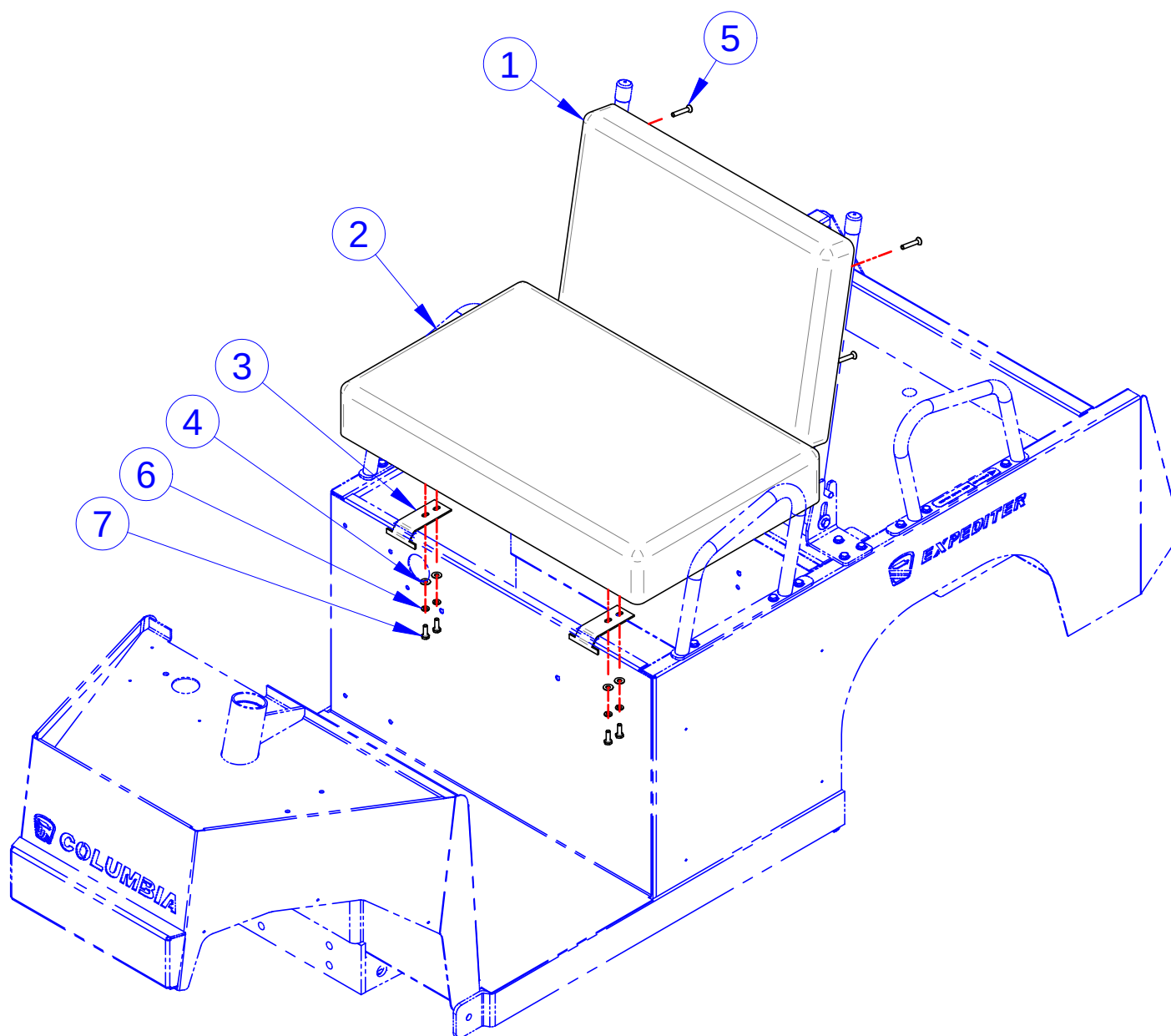
BOTTOM CUSHION



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	NONE	COVER, CUSHION, EX	1	304518%
2*	CVG468059	HARNESS, BC HANDBRAKE SWITCH	1	468059
3	CVG517350PL	DELTA SWITCH REMOVABLE BRACKET	1	517350
4	NONE	BOARD, CUSH, EX, DELTA SW	1	518258
5	NONE	SPACER, CUSH, EX, DELTA SW	1	518259
6	NONE	FOAM, CUSHION - EX 21	1	703387
7*	NONE	STAPLE, 3/8",J.K.680-10	40	708095
8	CVG719563	SCREW,#10X3/4,SHWH,T/S,TA,ZC	3	719563
9	CVG781173	SWITCH,PLUNGER,DELTA,NO,#6440-04	1	781173
10	CVG782865	SWITCH ACTUATOR CAP	1	782865
11	CVG782880	DELTA SWITCH HOLDER	1	782880

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

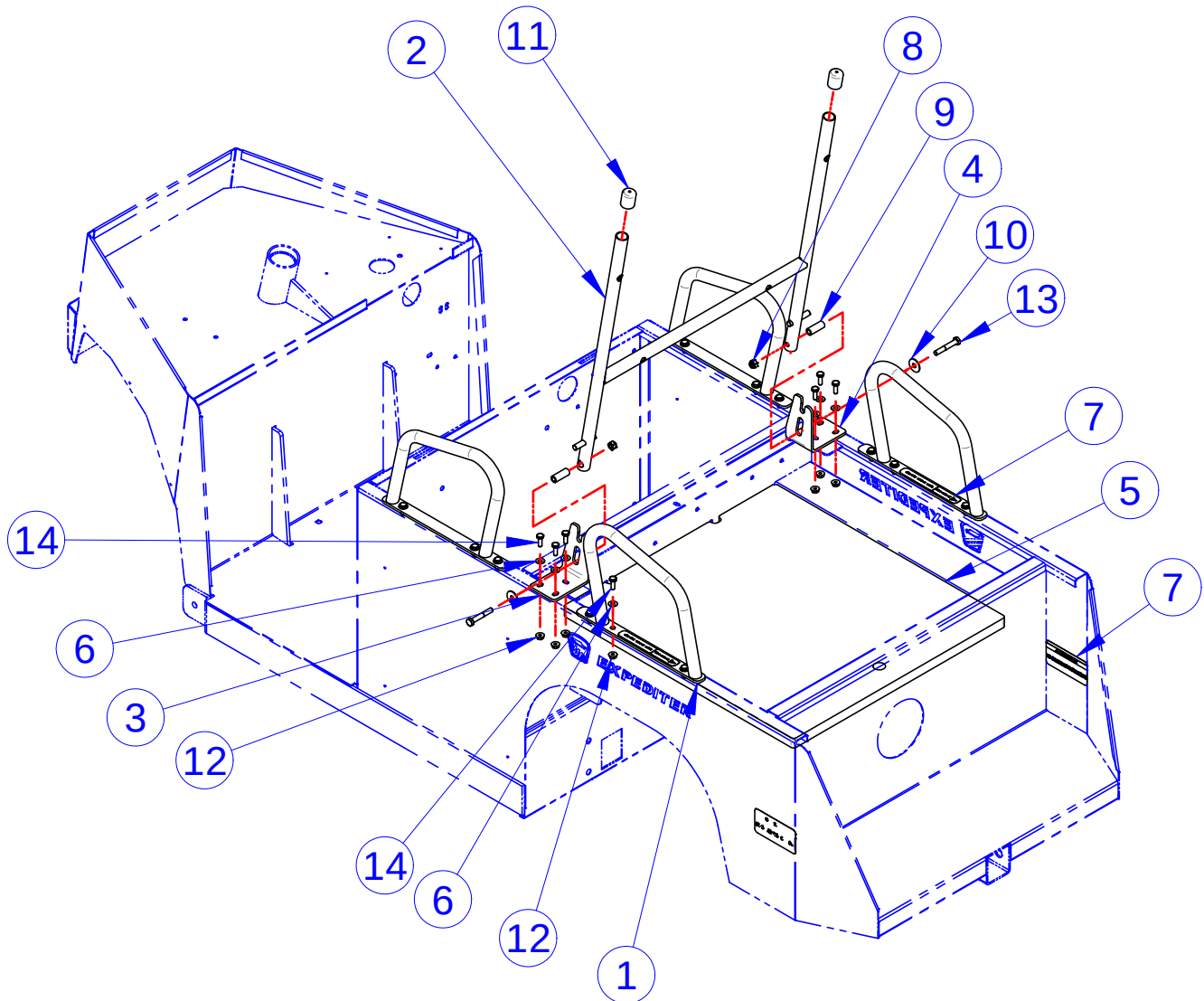
FRONT CUSHIONS



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG104517	CUSHION, BACK - EX 21	1	104517%
2	CVG314703	CUSHION W/DELTA SW, EX	1	314703%
3	CVG510033	TAB, SEAT - FOLDING, W/ LOCK	2	510033
4	CVG708511	WASHER, FLAT, 1/4", 18-8SS	4	708511
5	CVG708590	SCREW, 1/4-20X1-1/2, POH, M/S, MAG525	4	708590
6	CVG719378	WSHR, 1/4 (M6), LW, SPLIT, 18-8, S/S	4	719378
7	CVG782784	SCREW, 1/4-20X3/4, HHCS, 18-8SS	4	782784

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

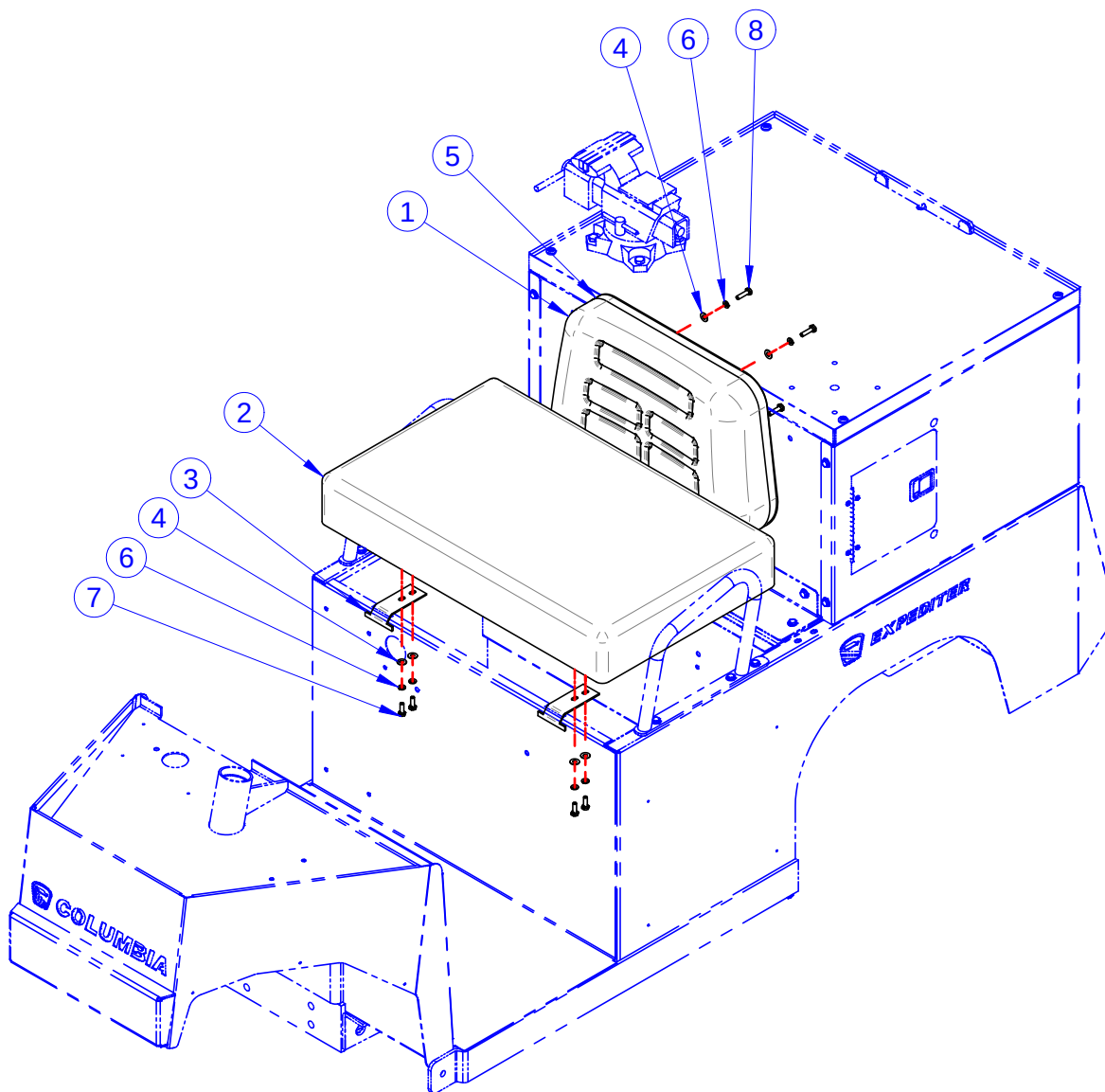
FOLDING SEATBACK



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG303393TB	CPC WLDMT HANDRAIL UTIL	4	303393
2	CVG304516TB	FRAME, BACK - EX 21	1	304516
3	CVG509634	PLATE, MTG - SEATBACK, LH	1	509634
4	CVG509635	PLATE, MTG - SEATBACK, RH	1	509635
5	CVG513689	DECK, EX21 MEZZTREAD	1	513689
6	CVG708511	WASHER, FLAT, 1/4", 18-8SS	18	708511
7	CVG709703	LABEL, SET - EX-21/TE-31	1	709703
8	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	2	719377
9	CVG719742	SPACER, .50ODX.313IDX1.31"L,BLK NYL	2	719742
10	CVG719816	WASHER, 5/16X1X.062,F/W,NYL	2	719816
11	CVG729161	END CAP PLUG, SEATBACK - EX 21	2	729161
12	CVG761637	NUT, 1/4-20, SERRATED FLANGE, 18-8 SS	18	761637
13	CVG782298	SCR, 5/16-18 X 2, HHCS, 18-8, S/S	2	782298
14	CVG782784	SCREW, 1/4-20X3/4, HHCS, 18-8SS	18	782784

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

TOOL EXPRESS CUSHIONS



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG304216	CPC BACK ASSY, COVER PER ORDER	1	304216%
2	CVG314703	CUSHION W/DELTA SW, EX	1	314703%
3	CVG510033	TAB, SEAT - FOLDING, W/ LOCK	2	510033
4	CVG708511	WASHER, FLAT, 1/4", 18-8SS	7	708511
5	CVG709025	COVER - SEAT, BACK	1	709025
6	CVG719378	WSHR, 1/4 (M6), L/W, SPLIT, 18-8, S/S	7	719378
7	CVG782784	SCREW, 1/4-20X3/4, HHCS, 18-8SS	4	782784
8	CVG782785	SCREW, 1/4-20X1.0, HHCS, 18-8SS	3	782785

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

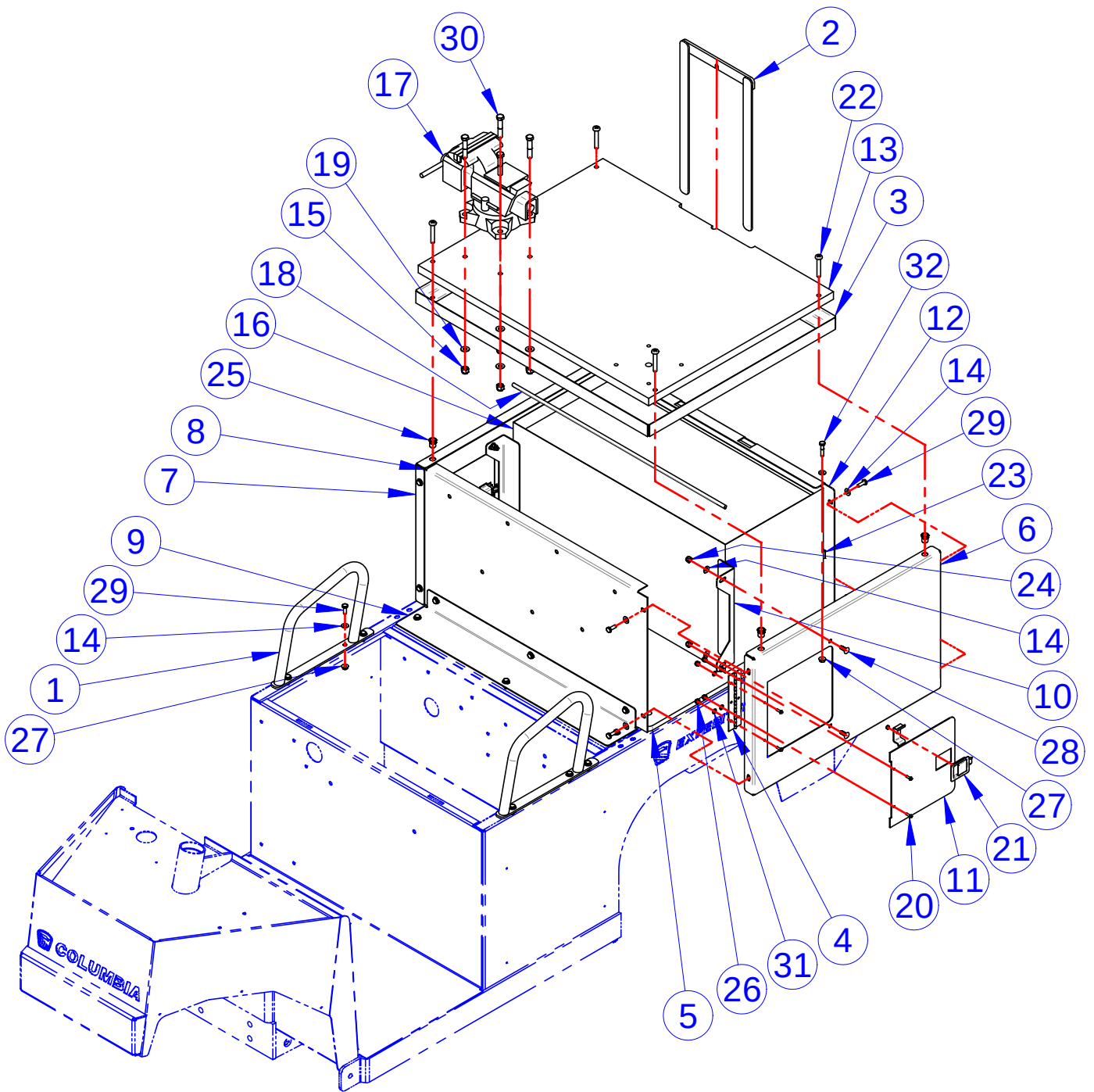
TOOL EXPRESS UNIT

DRAWINGS FOR BILL OF MATERIALS ON THE FOLLOWING PAGE.

ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-32	CVG190436U	KIT, TOOL EXPRESS, EX	KIT	190436A
1	CVG303393TB	CPC WLDMT HANDRAIL UTIL	2	303393
2	CVG305435	LOCKING BAR, TE31	1	305435
3	CVG305437	TOOL EXPRESS FRAME	1	305437
4	CVG309105B	HINGE SEAT - EXPEDITER	2	309105
5	CVG509992B	DECK, TOOL EXPRESS, LOWER	1	509992
6	CVG509993	SIDE PANEL, LH - TOOL EXPRESS	1	509993
7	CVG509994	SIDE PANEL, RH - TOOL EXPRESS	1	509994
8	CVG509995	BACK PANEL - TOOL EXPRESS	1	509995
9	CVG509996	BRKT, SPRT - TOOL EXPRESS	1	509996
10	CVG509998	BRKT - DOOR STOP / BX RESTRAINT	2	509998
11	CVG509999	DOOR - TOOL EXPRESS	2	509999
12	CVG510034	FRONT PANEL - TOOL EXPRESS	1	510034
13	CVG513017	DECK, TE UPPER MEZZTREAD	1	513017
14	CVG708511	WASHER, FLAT, 1/4", 18-8SS	27	708511
15	CVG708860	NUT, 3/8-16, L/N, NYL, NE, 18-8, S/S	4	708860
16	CVG709947	TOOL BOX, TOOL EXPRESS	1	709947
17	CVG709950	WISE, 4", TOOL EXPRESS	1	709950
18	CVG719355	MOLDING, BLACK, 26.00" LONG	1	719355
19	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	4	719375
20	CVG719571	SCREW,#8-32X1/2,PPH,M/S,18-8,S/S	8	719571
21	CVG719724	LATCH BLK PADDLE SOUTHCO	2	719724
22	CVG719730	SCREW,5/16-18X2.00",PPH,M/S,BLKMAX	4	719730
23	CVG719738	BUMPER BLACK 3M#SJ5023	2	719738
24	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	4	719876
25	CVG719929	NUT,5/16-18,RIV,KNRLD,0.027-0.150,YWZC	4	719929
26	CVG761630	NUT, #8-32, NILN, 18-8, SS	8	761630
27	CVG761637	NUT,1/4-20,SERRATED FLANGE, 18-8 SS	23	761637
28	CVG781739	SCR, 1/4-20 X 0.75, CARR, 18-8, S/S	4	781739
29	CVG782784	SCREW,1/4-20X3/4,HHCS,18-8SS	20	782784
30	CVG782796	SCR, 3/8-16 X 2, HHCS, 18-8, S/S	4	782796
31	CVG782820	WASHER,#8X.438OD,SAE F/W,18-8 SS	8	782820
32	CVG783108	SCR, 1/4-20 X 1.25, HCS, 18-8, SS	3	783108

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

TOOL EXPRESS UNIT

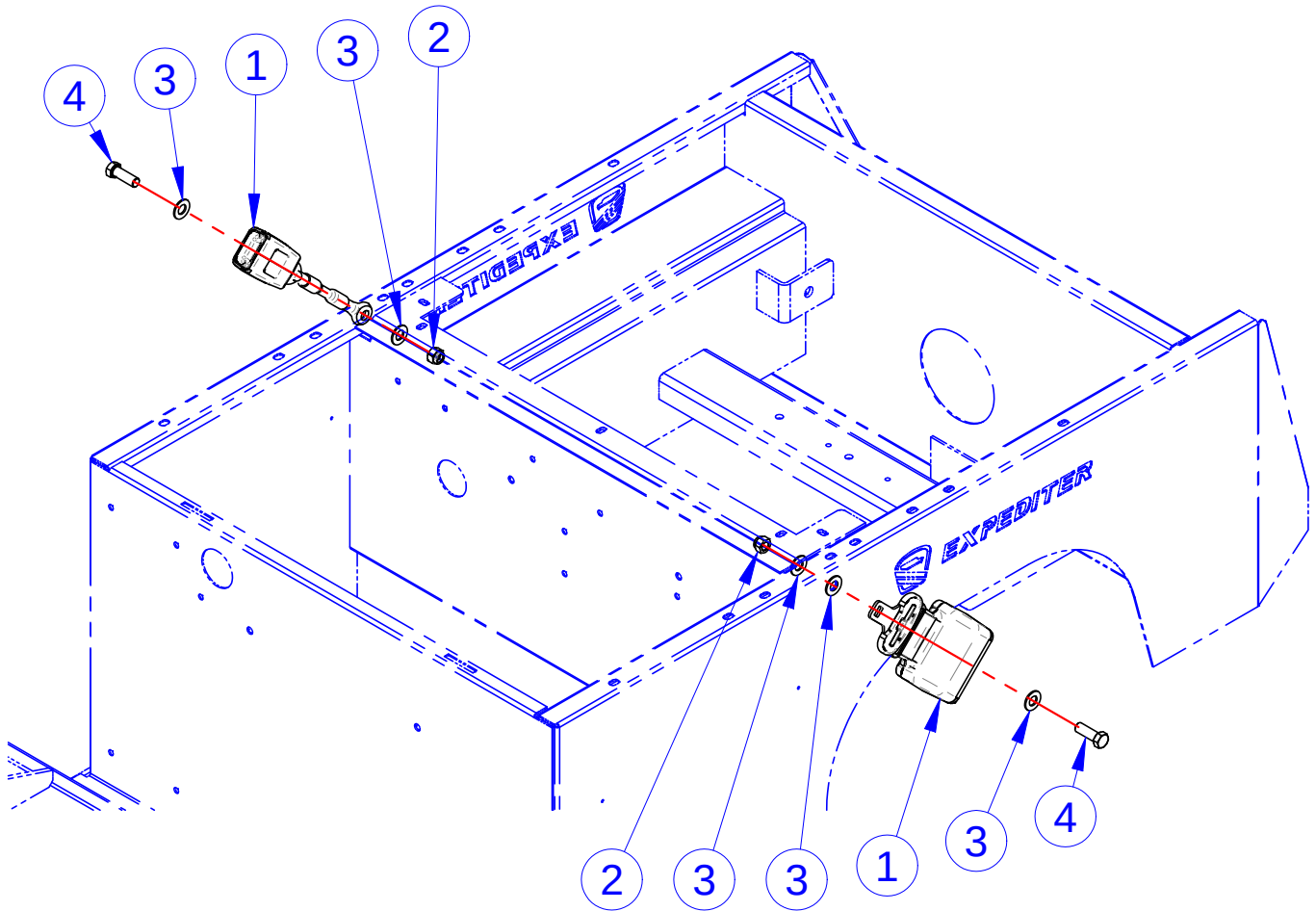


NOTE: Items with * in tables indicates parts not shown in drawing

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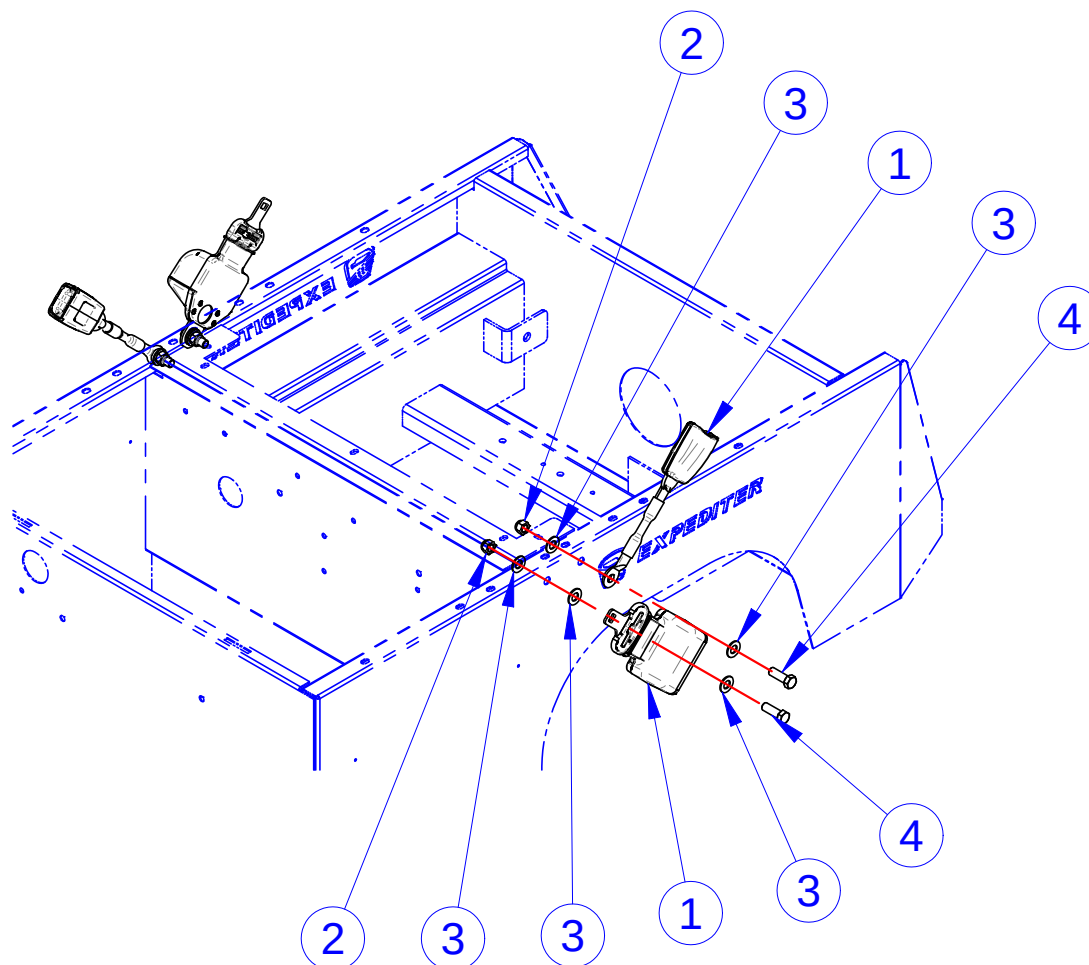
FRONT 2-PT SEAT BELT



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG781923	SEAT BELT,2X48,2-TTH ALR,H2, CABLE	1	781923
2	CVG782751	NUT, 7/16-20, L/N, NYL, NE, G8, MAGNI 525	2	782751
3	CVG782752	WSHR, 7/16 (M11), SAE, F/W, G8, MAGNI 525	5	782752
4	CVG782755	SCR, 7/16-20 X 1.25, HHCS, G8, MAGNI 525	2	782755

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

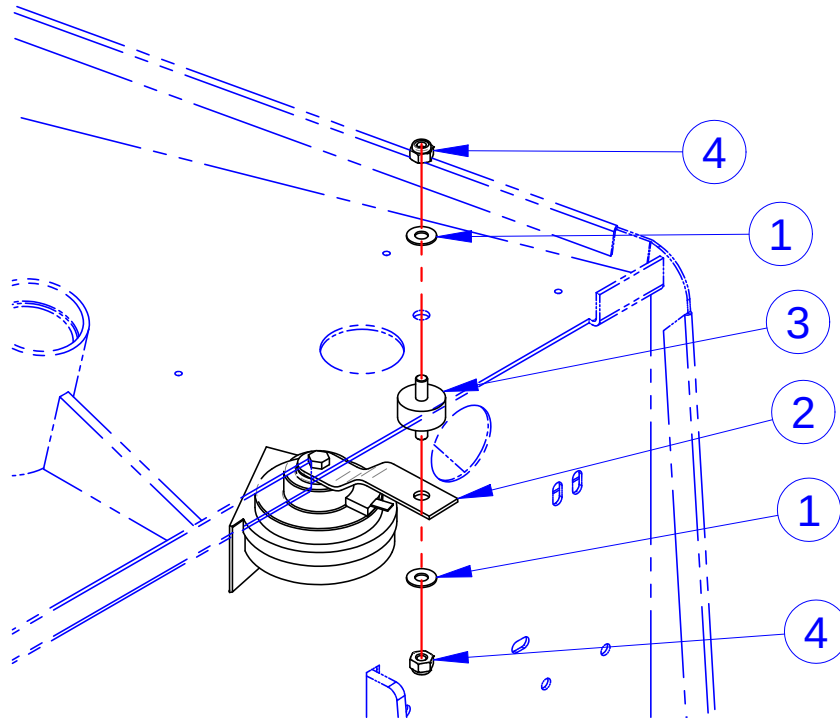
SEAT BELT, REAR-FACING SEAT



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG781923	SEAT BELT, 2X48, 2-TTH ALR, H2, CABLE	2	781923
2	CVG782751	NUT, 7/16-20, L/N, NYL, NE, G8, MAGNI 525	4	782751
3	CVG782752	WSHR, 7/16 (M11), SAE, F/W, G8, MAGNI 525	10	782752
4	CVG782755	SCR, 7/16-20 X 1.25, HHCS, G8, MAGNI 525	4	782755

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

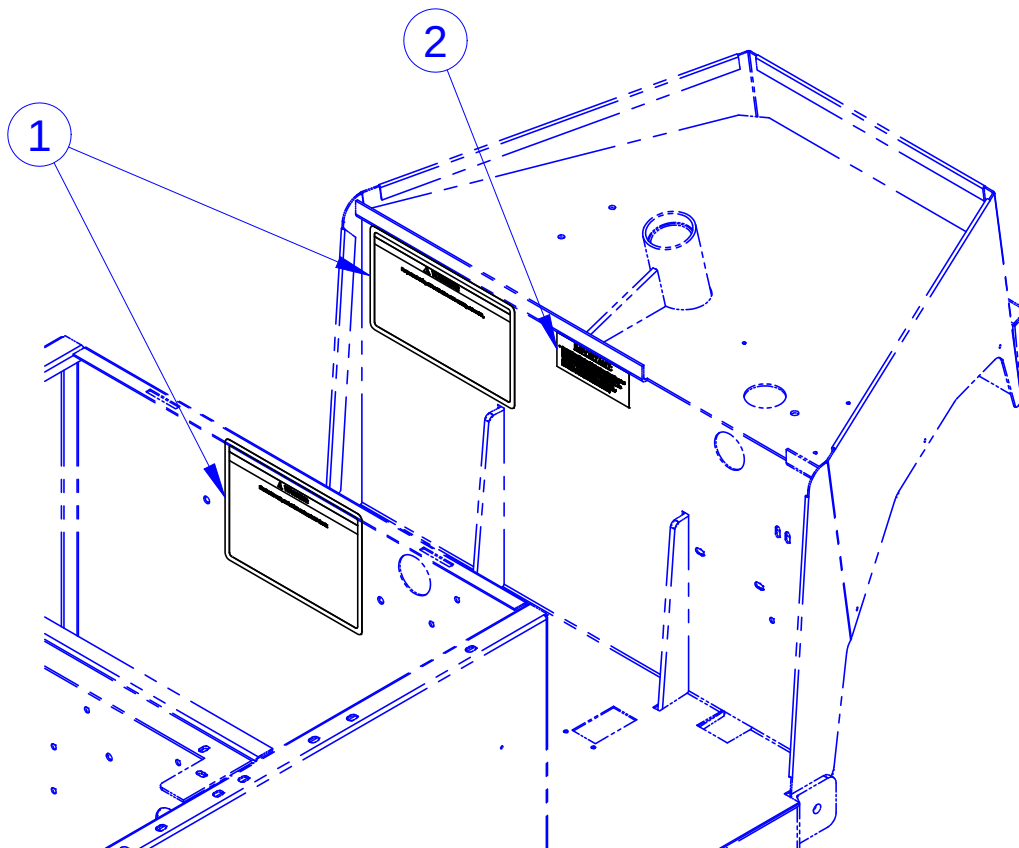
HORN



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	CVG709204	BUMPER, STUD, RUBBER	1	709204
4	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	2	719876

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

LABELS



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG709703	LABEL, SET - EX-21/TE-31	1	709703
2	CVG719426	DECAL, SWITCH SET POSITION	1	719426

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





COLUMBIA

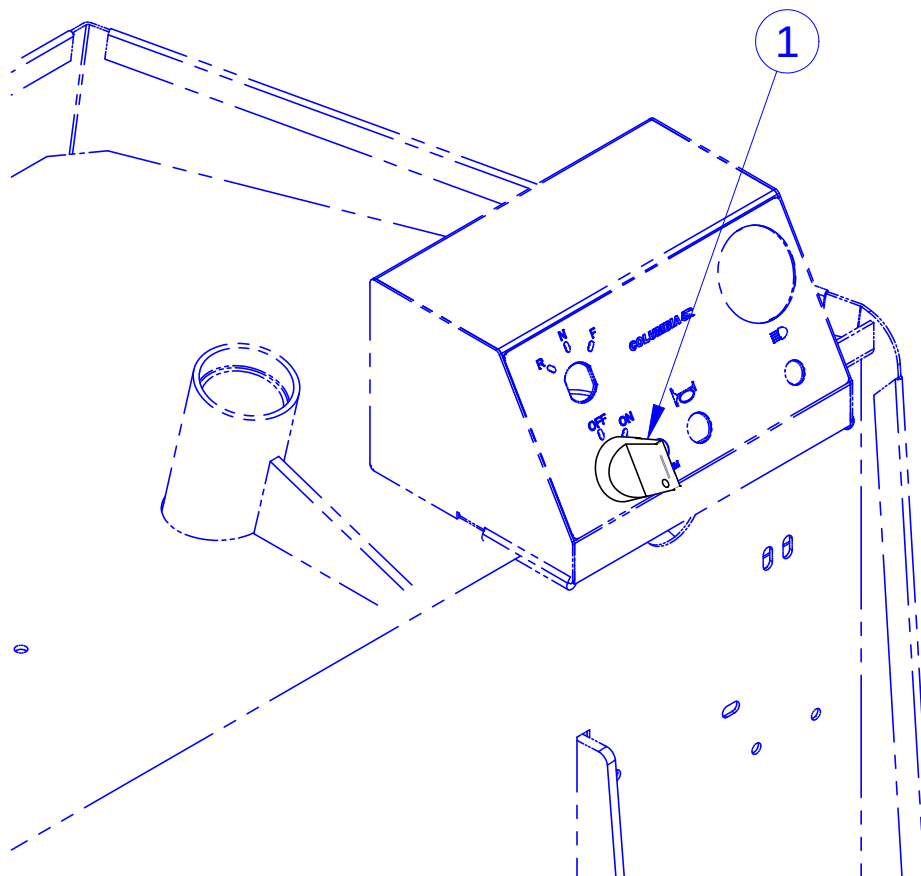
EXPEDITER

PARTS MANUAL SECTION 6

ELECTRICAL

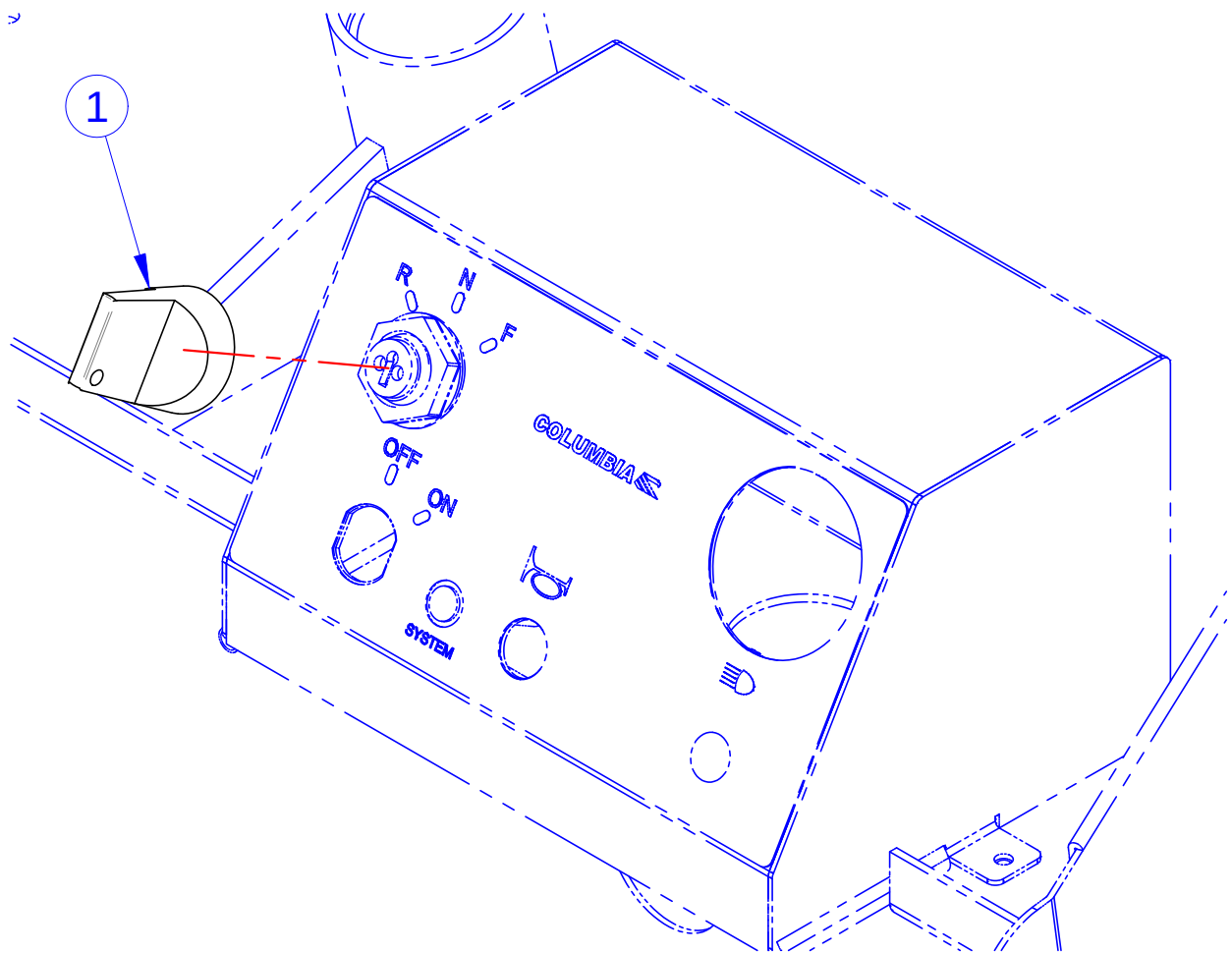


NON-REMOVABLE KEY, POWER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG719432	ASSY, KEY, NON-REMOVABLE, W/COVER	1	719432

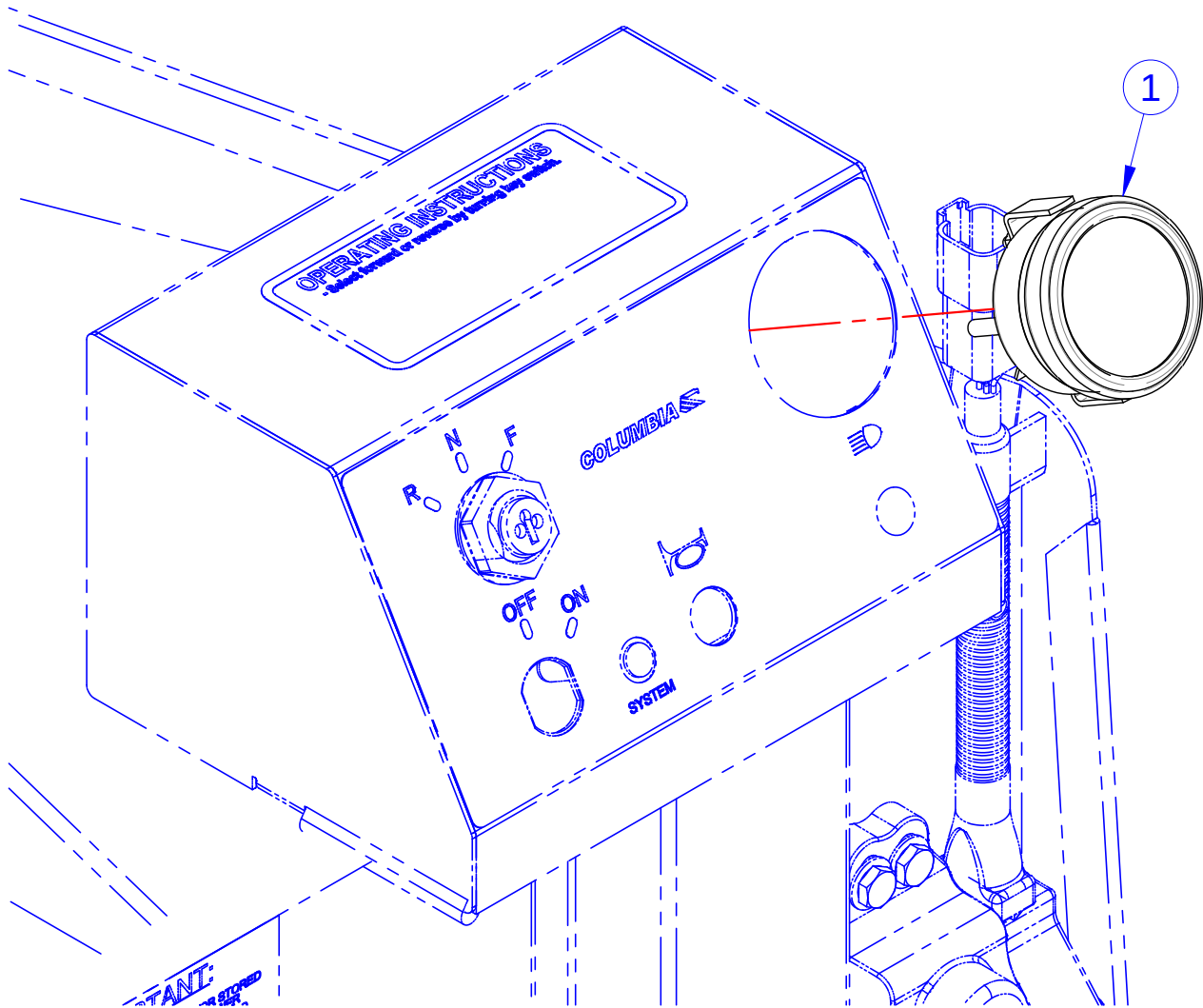
NOTE: Items with * in tables indicates parts not shown in drawing



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG719432	ASSY, KEY, NON-REMOVABLE, W/COVER	1	719432

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

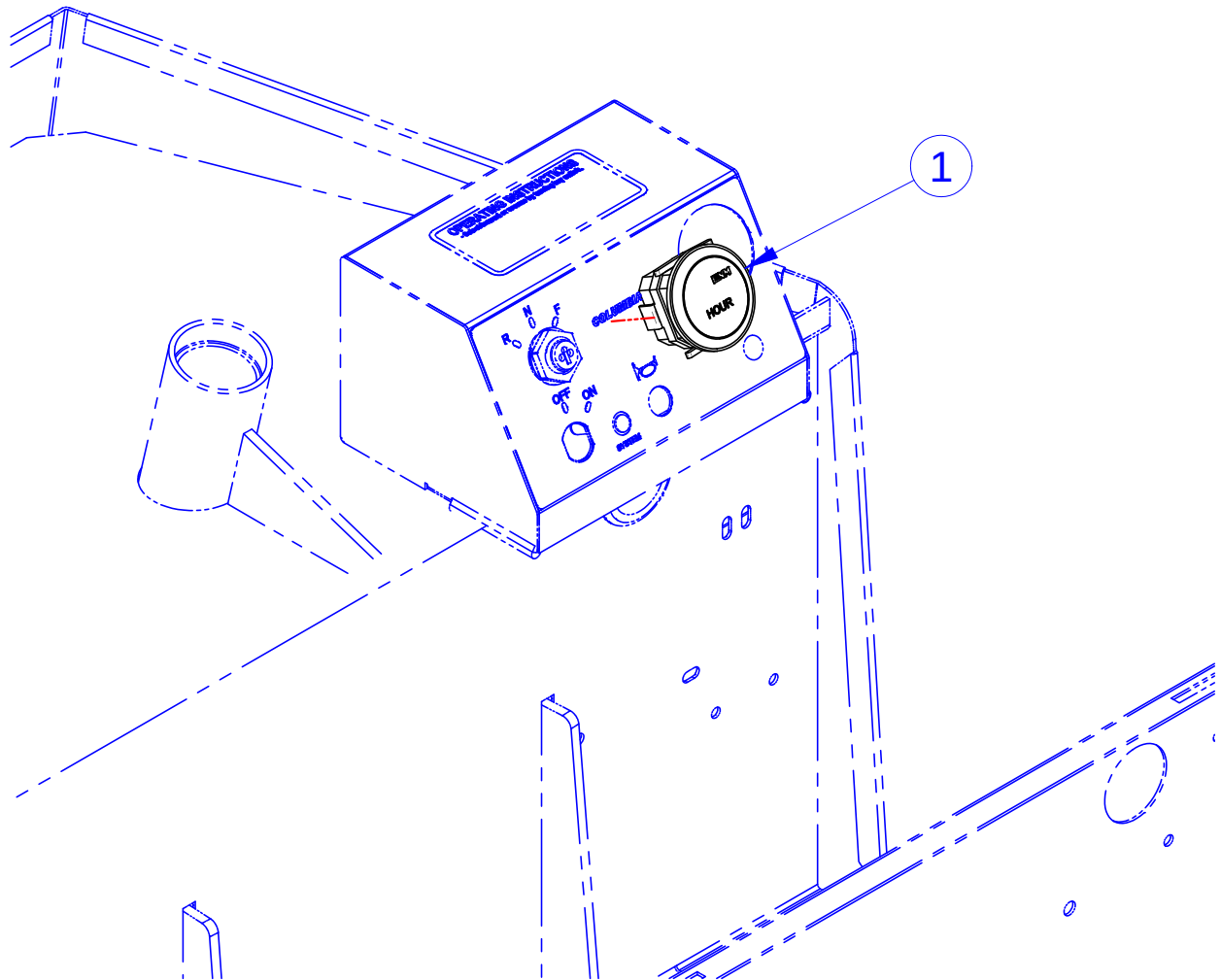
24V BDI METER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG759873	BDI, 24V - VOLTMETER STYLE	1	759873

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

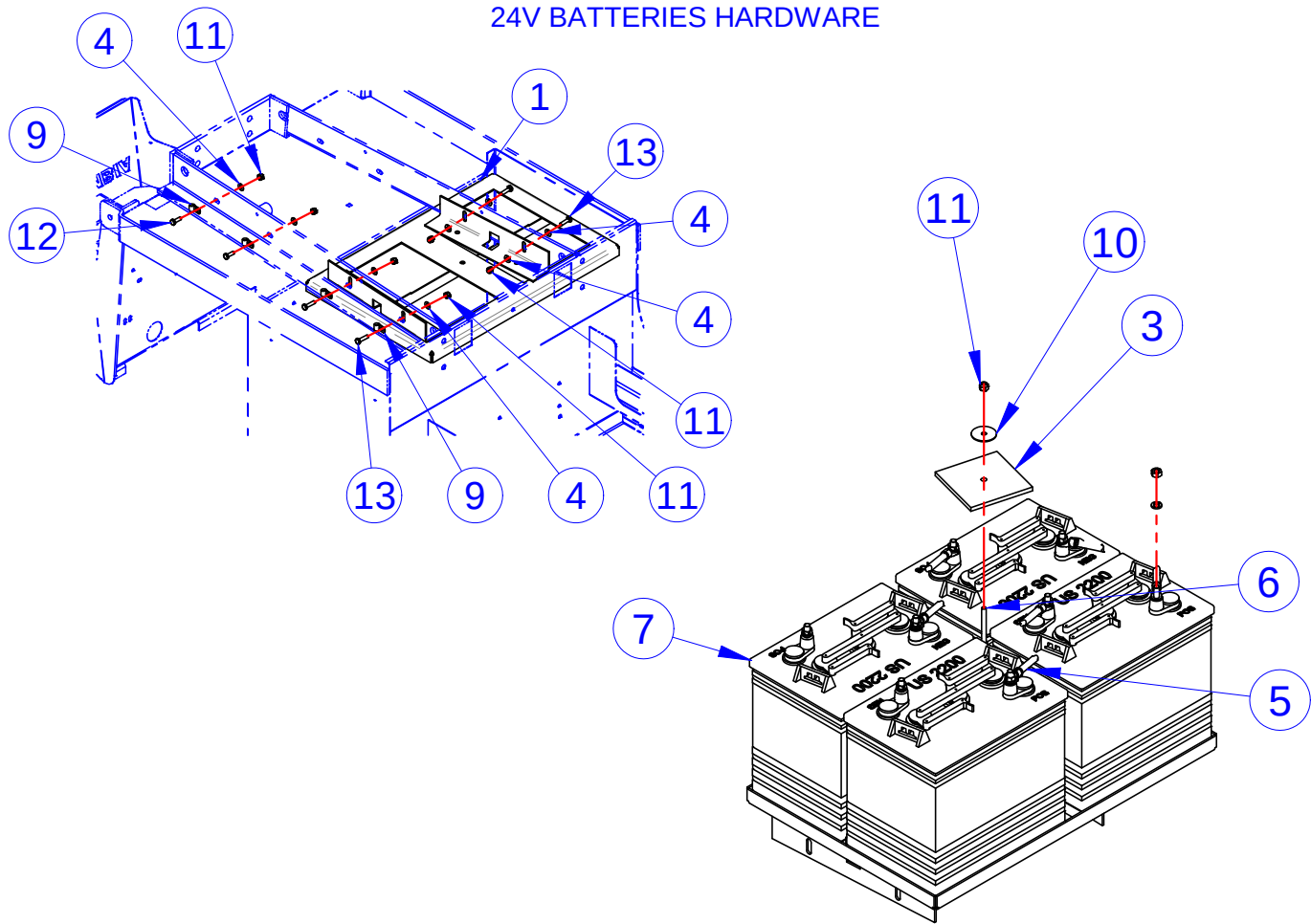
HOUR METER



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

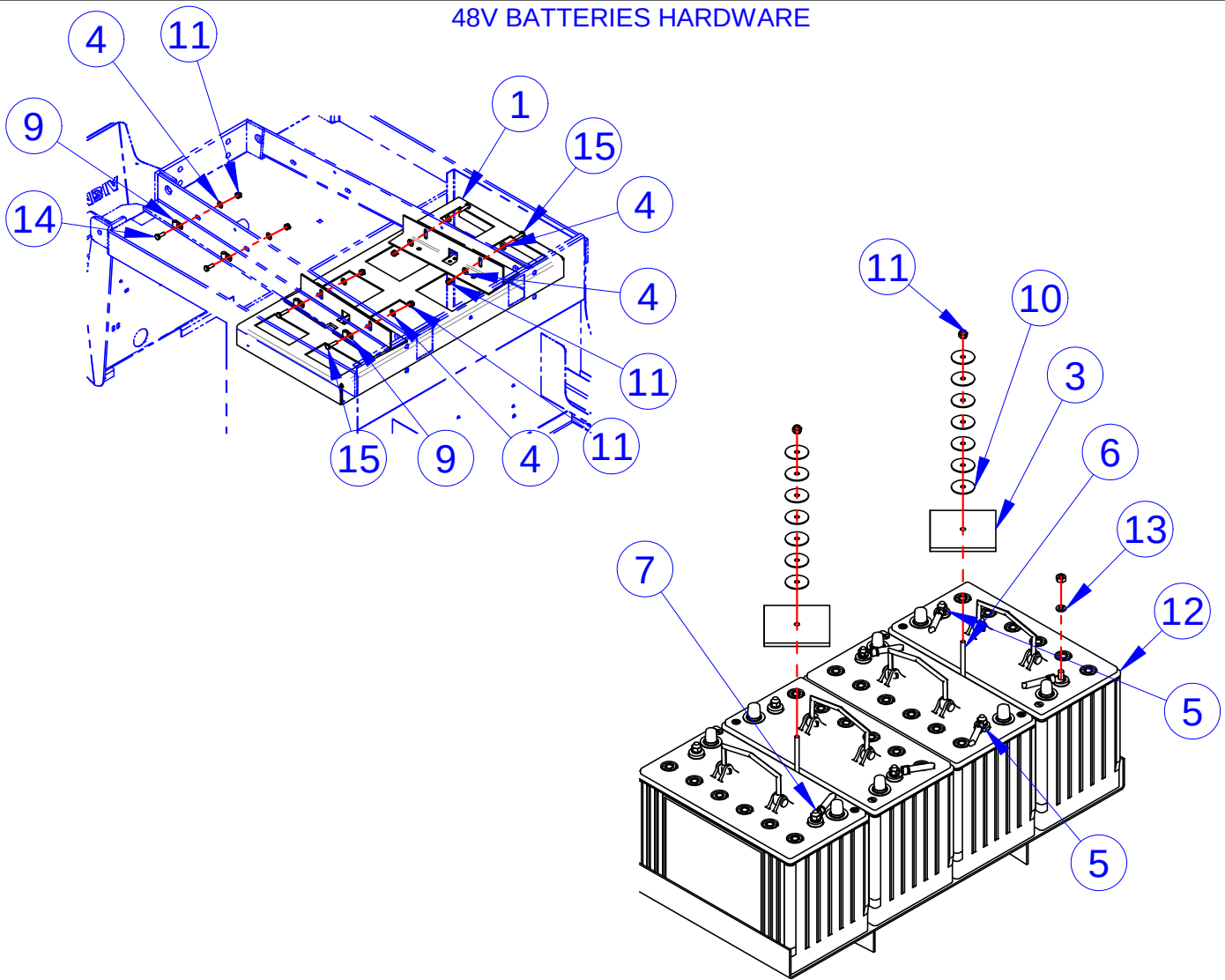
24V BATTERIES HARDWARE



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG307500	WELDM'T, BTRY TRAY - 4 X 6V, EX 21	1	307500
2*	CVG468229	LABEL, SMALL VIN	4	512059
3	CVG513002	PLATE, BATTERY HOLD DOWN	1	513002
4	CVG708511	WASHER, FLAT, 1/4", 18-8SS	8	708511
5	CVG709004	CABLE, 4 GA X 8.75, 5/16 TERMINALS	3	709004
6	CVG709059	ROD, BATTERY HOLD DOWN	1	709059
7	NA*	BATTERY, 6V, T-105	4	NA*
	NA*	BATTERY, 6V, DEEP CYCLE, (US-2200)	4	NA*
	NA*	BATTERY, 6V, DEEP CYCLE, (US-145)	4	NA*
	NA*	BATTERY, 6V DC, AGM, CG2, SEALED	4	NA*
	NA*	BATTERY, 6V, 105 MIN, TROJAN T605	4	NA*
	NA*	BATTERY, 6V, 240AH T125	4	NA*
8*	NONE	TAG, XP+,W/WIRE,#8,13-PT,YELLOW	1	719236
9	CVG719756	CLAMP,1/4",STL TUBE,VINYL CUSHION	4	719756
10	CVG719786	WASHER FLT STAINLESS .28X1.375X.06	1	719786
11	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	7	719876
12	CVG782784	SCREW,1/4-20X3/4,HHCS,18-8SS	2	782784
13	CVG782785	SCREW,1/4-20X1.0,HHCS,18-8SS	4	782785

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

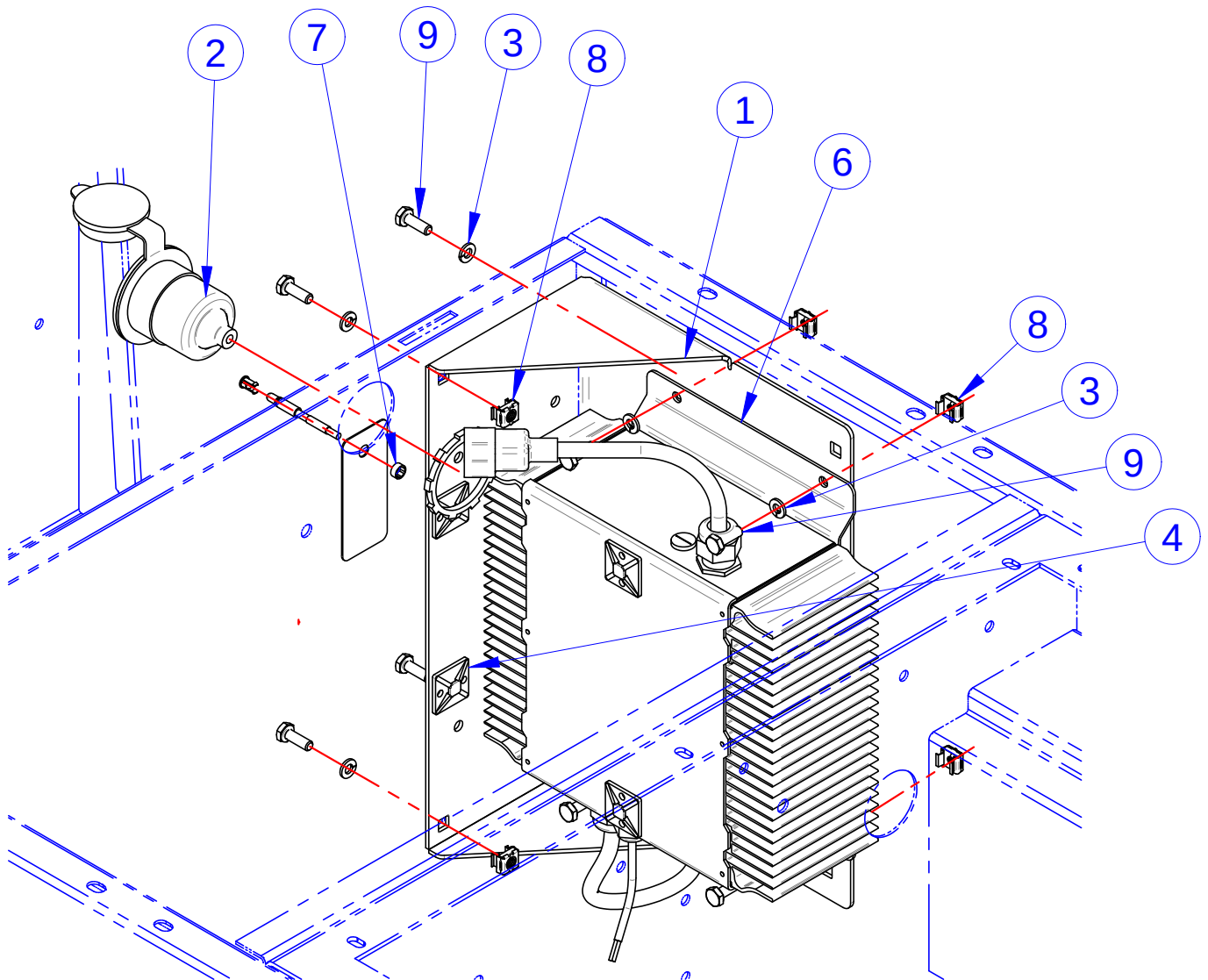
48V BATTERIES HARDWARE



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG307602	WELDM'T, BTRY TRAY - 4 X 12 V, EX 21	1	307602
2*	CVG468229	LABEL, SMALL VIN	4	512059
3	CVG513002	PLATE, BATTERY HOLD DOWN	2	513002
4	CVG708511	WASHER, FLAT, 1/4", 18-8SS	8	708511
5	CVG709004	CABLE, 4 GA X 8.75, 5/16 TERMINALS	2	709004
6	CVG709059	ROD, BATTERY HOLD DOWN	2	709059
7	CVG709732	CABLE, 4GA X 25.50", 5/16" TERM	1	709732
8*	NONE	TAG, XP+, W/WIRE, #8, 13-PT, YELLOW	1	719236
9	CVG719756	CLAMP, 1/4", STL TUBE, VINYL CUSHION	4	719756
10	CVG719786	WASHER FLT STAINLESS .28X1.375X.06	14	719786
11	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	8	719876
12	NA*	BATTERY, 12VDC, AGM SEALED	4	NA*
13	CVG781621	WSHR, 5/16, L/W, SPLIT, 18-8, S/S	8	781621
14	CVG782784	SCREW, 1/4-20X3/4, HHCS, 18-8SS	2	782784
15	CVG782785	SCREW, 1/4-20X1.0, HHCS, 18-8SS	4	782785

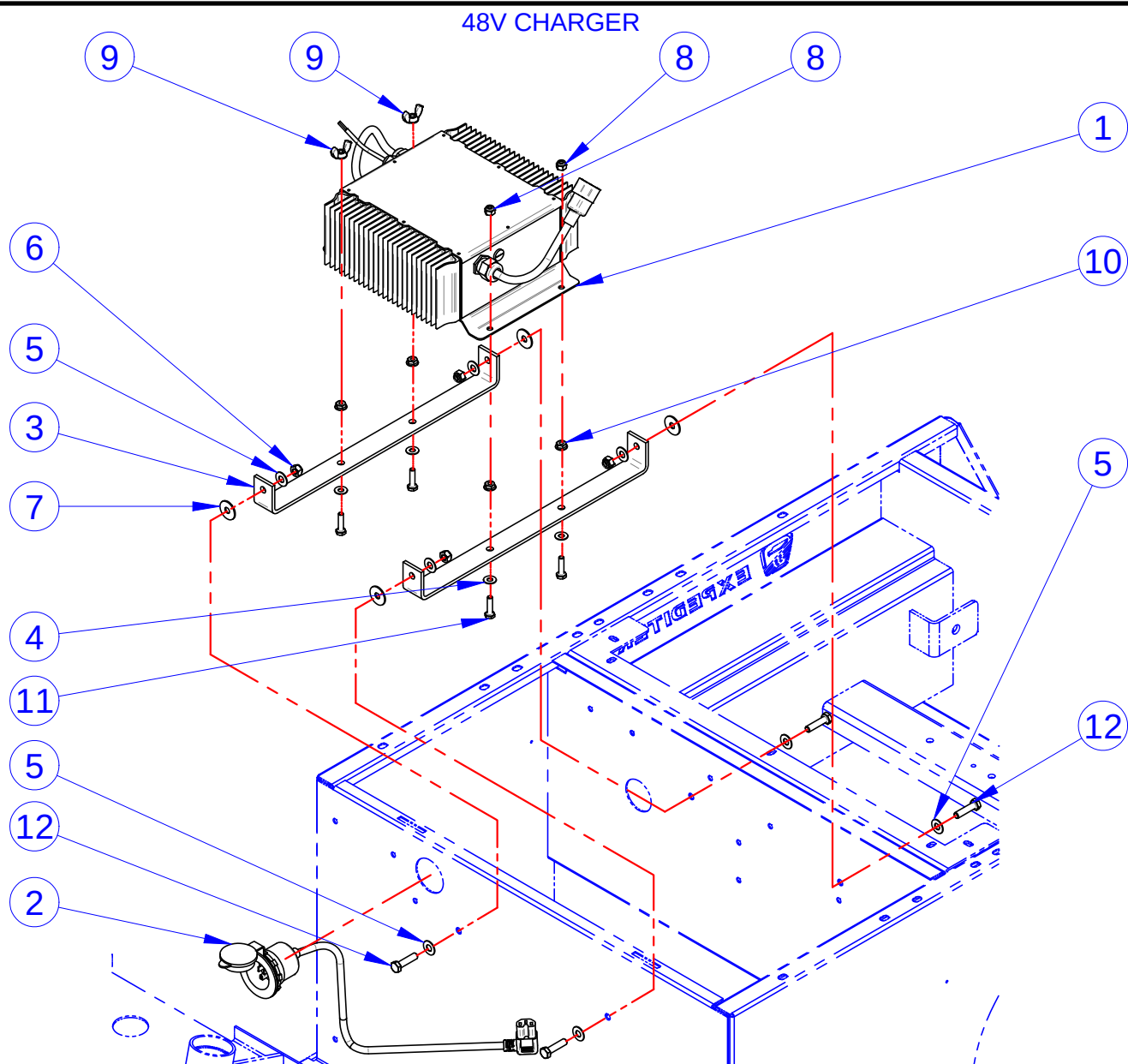
NOTE: Items with * in tables indicates parts not shown in drawing

24V CHARGER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG307471	WLDMT, CHARGER MT, DELTA-Q, EX	1	307471
2	CVG468176	ASM, CHARGER CORD, 90 DEG PLUG	1	468176
3	CVG719378	WSHR, 1/4 (M6), L/W, SPLIT, 18-8, S/S	8	719378
4	CVG719503	CABLE TIE MNT BRKT BLACK W/3M	4	719503
5*	CVG719504	CABLE TIE,BLACK, .18X11-3/4,STD,50LB	6	719504
6	CVG467842	PROG ALG42 24V CHARGER, 8AGC2	1	467842
	CVG468276	PROG ALG 1, 24V DELTA Q CHARGER	1	468276
	CVG760744	CHARGER, DELTA Q - 24V SEALED, W/LED	1	760744
7	CVG781989	CLIP & RING, LED LIGHT	1	781989
8	CVG782339	NUT, 1/4-20, CAGE, 0.093-0.126, MAGNI 525	8	782339
9	CVG782784	SCREW,1/4-20X3/4,HHCS,18-8SS	8	782784

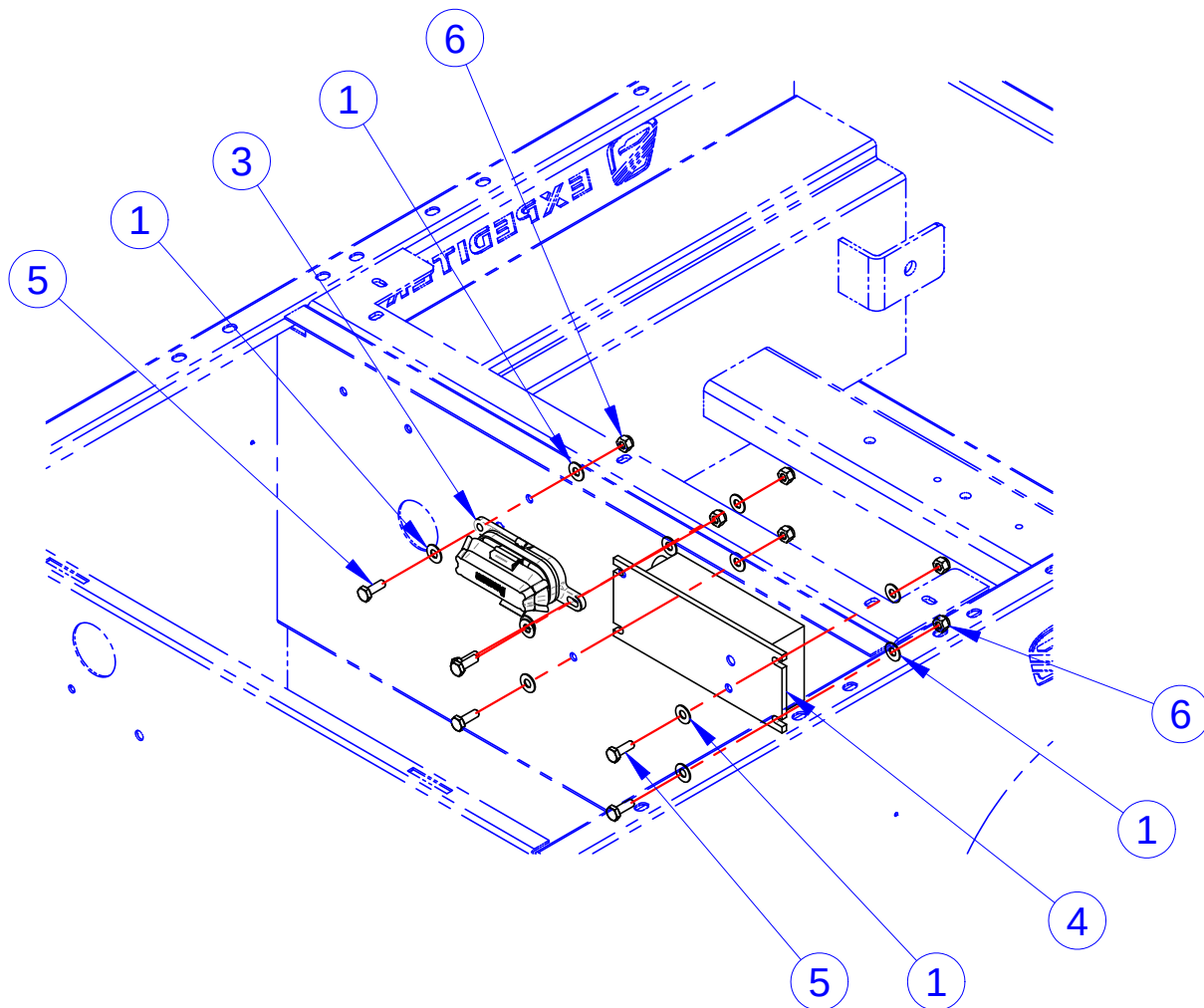
NOTE: Items with * in tables indicates parts not shown in drawing



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG467839	PROG ALG42, 48V DELTA-Q CHARGER	1	467839
2	CVG468176	ASM, CHARGER CORD, 90 DEG PLUG	1	468176
3	CVG509783	MOUNT, DELTA-Q CHARGER - EX 21	2	509783
4	CVG708511	WASHER, FLAT, 1/4", 18-8SS	4	708511
5	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	8	719375
6	CVG719377	NUT, 5/16-18, L/N, NYL, NE, 18-8SS	4	719377
7	CVG719816	WASHER,5/16X1X.062,F/W,NYL	4	719816
8	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	2	719876
9	CVG719921	WING NUT, 1/4-20 UNC TYPE A NYLOK	2	719921
10	CVG761637	NUT,1/4-20,SERRATED FLANGE, 18-8 SS	4	761637
11	CVG782785	SCREW,1/4-20X1.0,HHCS,18-8SS	4	782785
12	CVG782841	SCREW,5/16-18X1-1/4,HHCS, 18-8SS	4	782841

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

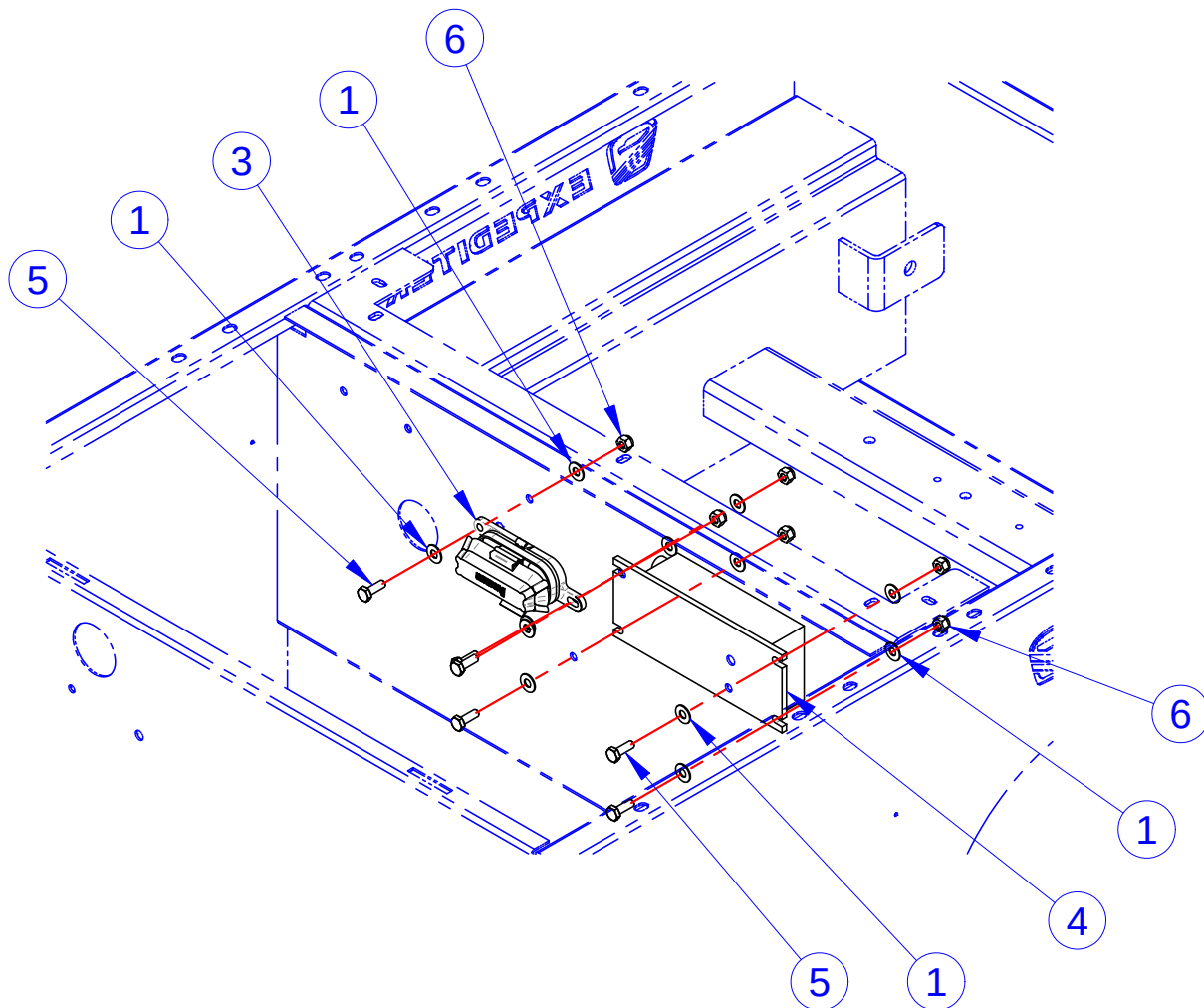
24V DC CONVERTER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG708511	WASHER, FLAT, 1/4", 18-8SS	12	708511
2*	CVG759778	WIRE HARNESS, DC CONVERTER, SMT	1	759778
3	CVG759792	BLOCK, POWER DISTRIBUTION	1	759792
4	CVG759700	CONVERTER, DC/DC 24V-12V	1	759700
5	CVG782784	SCREW, 1/4-20X3/4, HHCS, 18-8SS	6	782784
6	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	6	719876

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

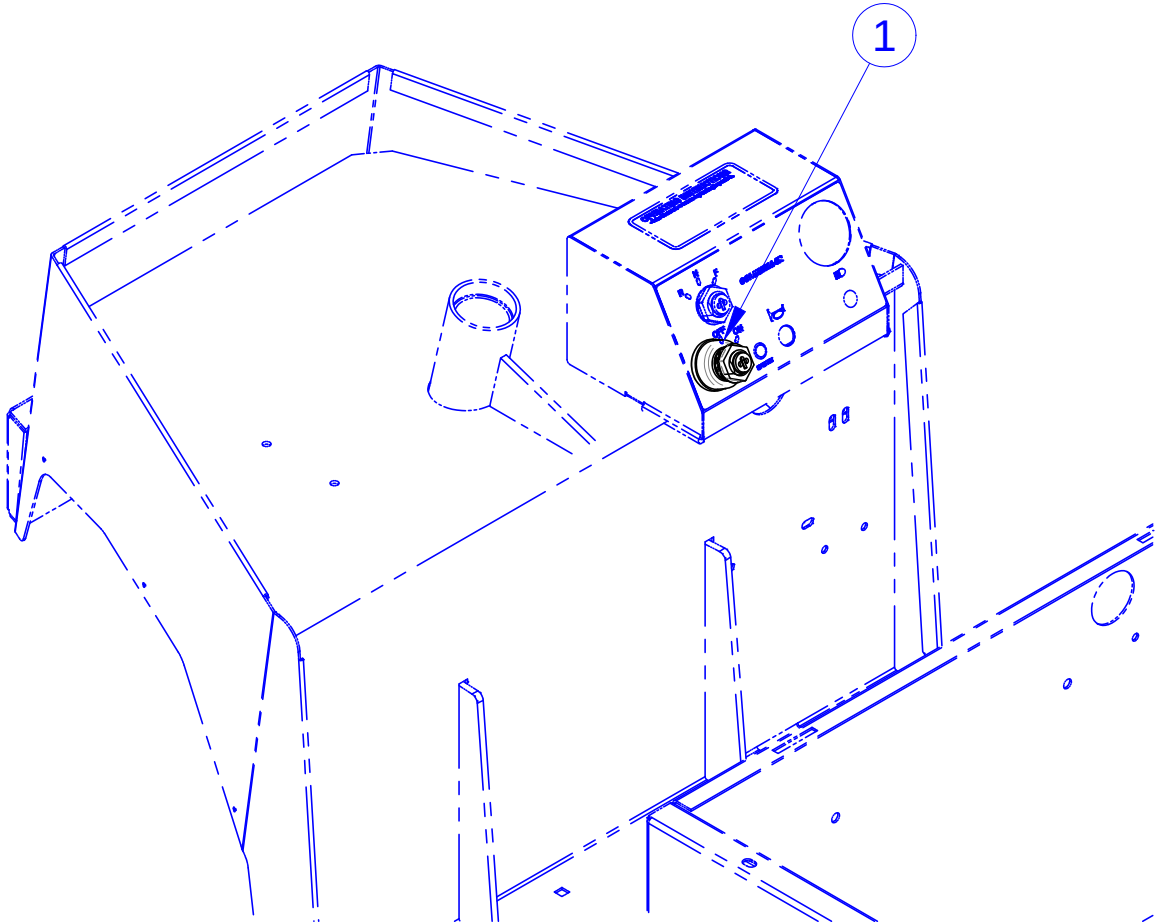
48V DC CONVERTER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG708511	WASHER, FLAT, 1/4", 18-8SS	12	708511
2*	CVG759778	WIRE HARNESS, DC CONVERTER, SMT	1	759778
3	CVG759792	BLOCK, POWER DISTRIBUTION	1	759792
4	CVG760378	CONVERTER,DC-DC,36/V48V,13.4V,FUSED	1	760378
5	CVG782784	SCREW,1/4-20X3/4,HHCS,18-8SS	6	782784
6	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	6	719876

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

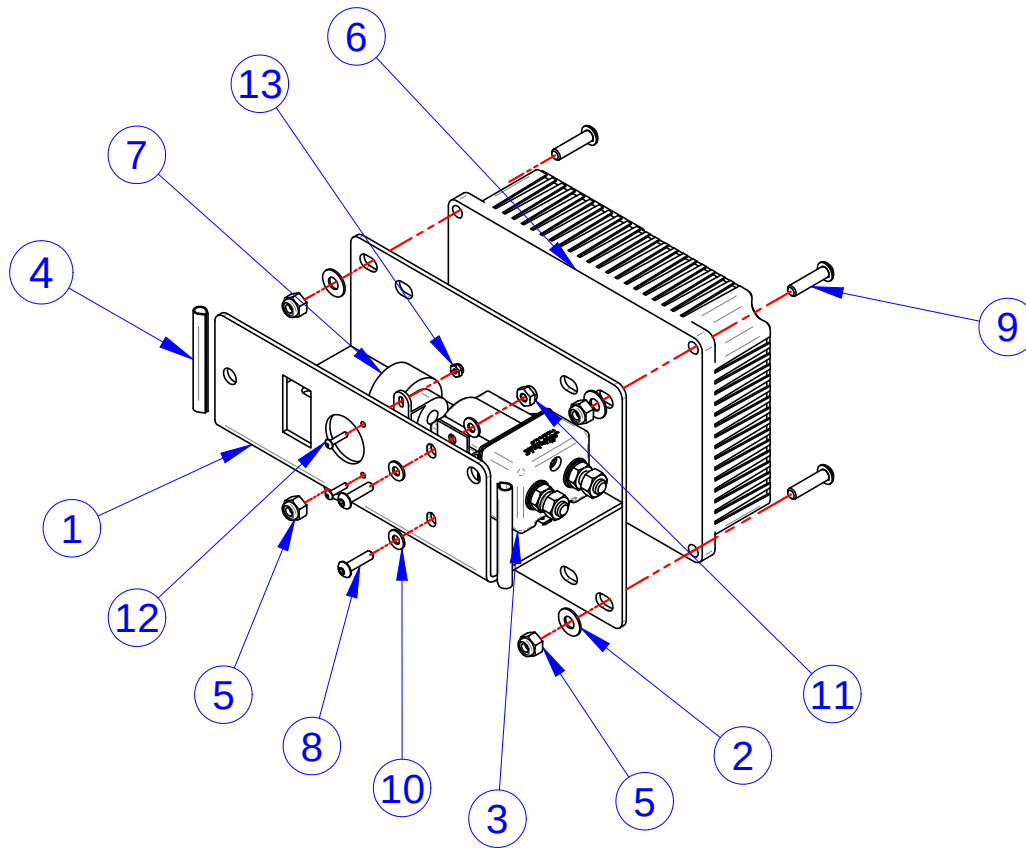
POWER SWITCH'S



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG759706	KEYSWITCH, PWR, 2-POS, "A" W/HRDWR	1	759706
	CVG759722	KEYSWITCH, PWR, 2-POS, "B" W/HRDWR	1	759722
	CVG759723	KEYSWITCH, PWR, 2-POS, "C" W/HRDWR	1	759723
	CVG759724	KEYSWITCH, PWR, 2-POS, "D" W/HRDWR	1	759724
	CVG759721	KEYSWITCH, PWR, 2-POS, "E" W/HRDWR	1	759721

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

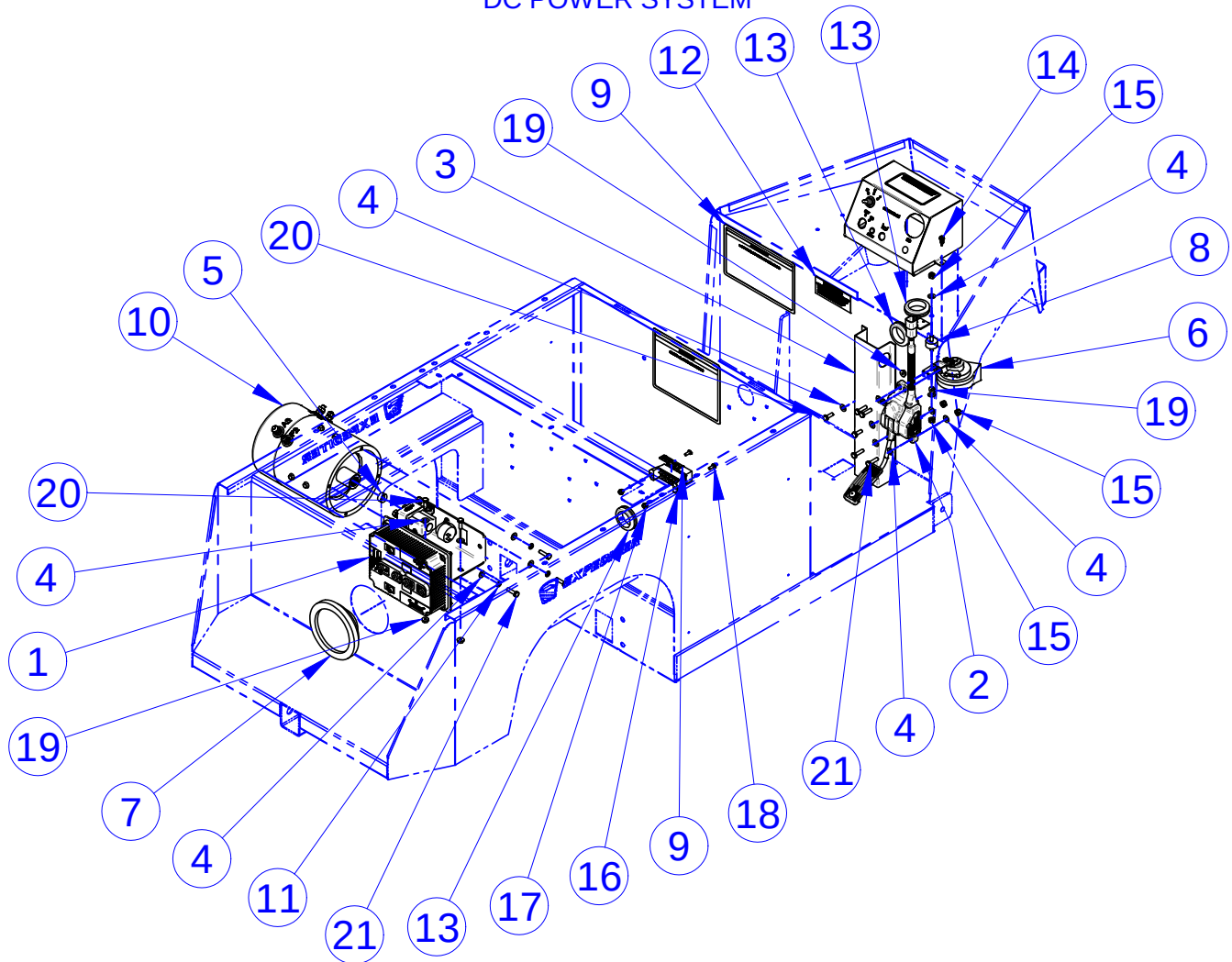
DC CONTROL



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG307685	WLDMT, CNTRL MT, EXPEDITER	1	307685
2	CVG708511	WASHER, FLAT, 1/4", 18-8SS	4	708511
3	CVG709166	CONTACTOR W. MTG BRKT - 24 V COIL	1	709166
4	CVG719355	MOLDING, BLACK	0.42	719355
5	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	4	719876
6	CVG467696	CNTRL, SEVCON REGEN, B, HP, 24-48V	1	760576
7	CVG761678	BUZZER, REVERSE	1	761678
8	CVG782708	SCR, #10-32 X 0.75, BSHCS, 18-8, S/S	2	782708
9	CVG782719	SCR, 1/4-20 X 1, BSHCS, 18-8, S/S	4	782719
10	CVG782722	WSHR, #10 X 0.438 X 0.031, F/W, 18-8SS	4	782722
11	CVG782723	NUT, #10-32, L/N, NYL, NM, 18-8, S/S	2	782723
12	CVG782883	SCR, #4-40 X 0.5, BSHCS, 18-8, S/S	2	782883
13	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

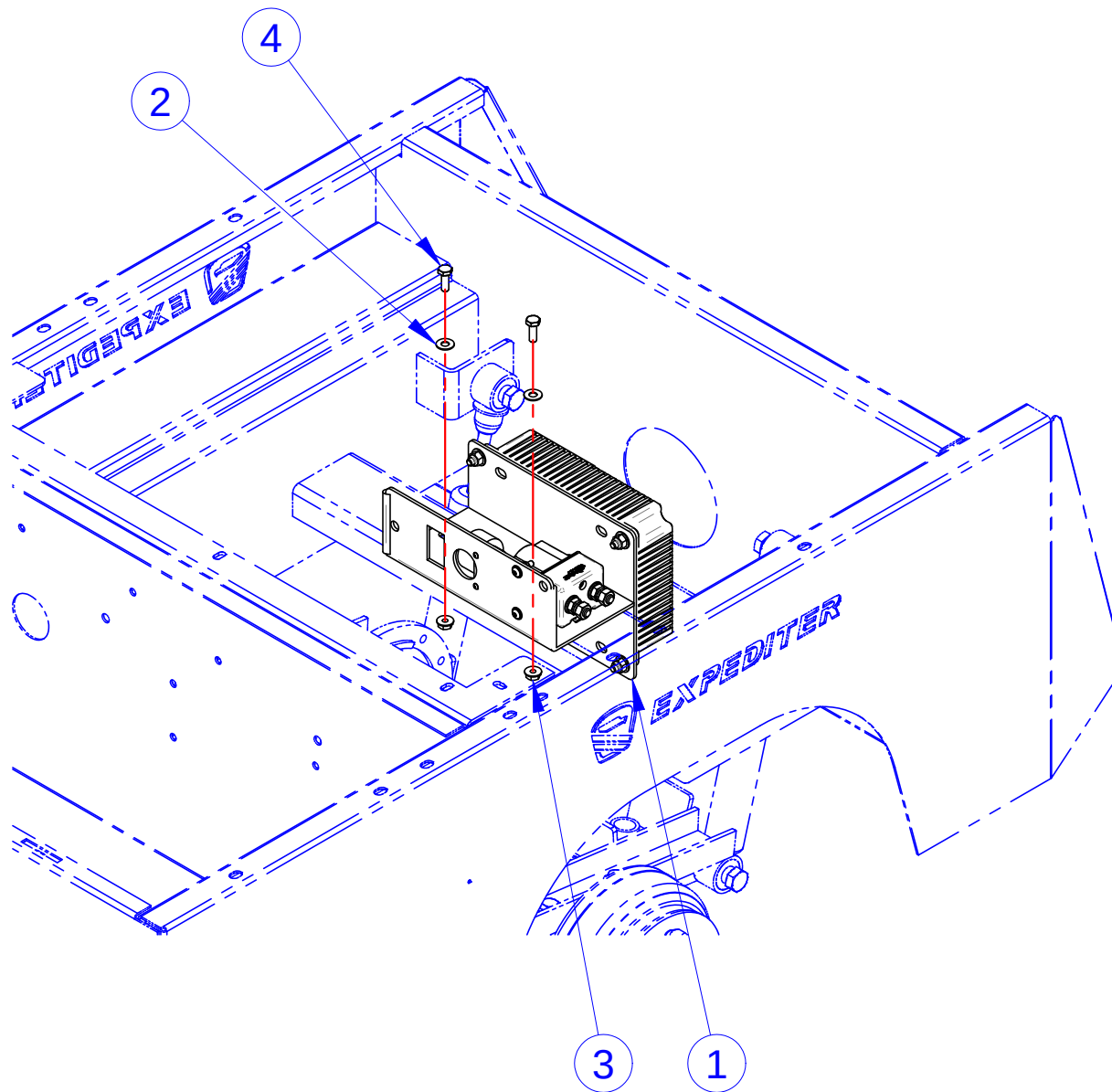
DC POWER SYSTEM



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG467939	ASSY, DC CNTRL, EXPEDITER	1	467939
2	CVG468031	ASSY, PEDAL ACLTR DEVISE	1	468031
3	CVG509633	COVER - COWL WIRING	1	509633
4	CVG708511	WASHER, FLAT, 1/4", 18-8SS	6	708511
5	CVG709050	RESILIENT BUMPER-ELEC MOTOR	1	709050
6	CVG709089	HORN,12V (2 TERMINAL)	1	709089
7	CVG709109	4"RND TAIL LAMP ASSY W/PLUG, SEAL	1	709109
8	CVG709204	BUMPER, STUD, RUBBER	1	709204
9	CVG709703	LABEL, SET - EX-21/TE-31	1	709703
10	CVG719135	MOTOR, ELECT., 48V, SEPARATELY EXCITED	1	719135
11	CVG719378	WSHR, 1/4 (M6), L/W, SPLIT, 18-8, S/S	1	719378
12	CVG719426	DECAL, SWITCH SET POSITION	1	719426
13	CVG719523	GROMMET, 1-1/2"ID, 3/16"X1-3/4" HOLE	3	719523
14	CVG719583	SCREW,10-16X3/4,HWH,TEK,MAG525	1	719583
15	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	3	719876
16	CVG760764	FUSE BLOCK, 6-WAY	1	760764
17	CVG761631	NUT, #10-24 GRD 18-8 NM SS NYLOCK	1	761631
18	CVG761632	SCREW, #10-24X1/2" PPH GRD 18-8 SS	1	761632
19	CVG761637	NUT,1/4-20,SERRATED FLANGE, 18-8 SS	3	761637
20	CVG782784	SCREW,1/4-20X3/4,HHCS,18-8SS	2	782784
21	CVG782785	SCREW,1/4-20X1.0,HHCS,18-8SS	2	782785

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

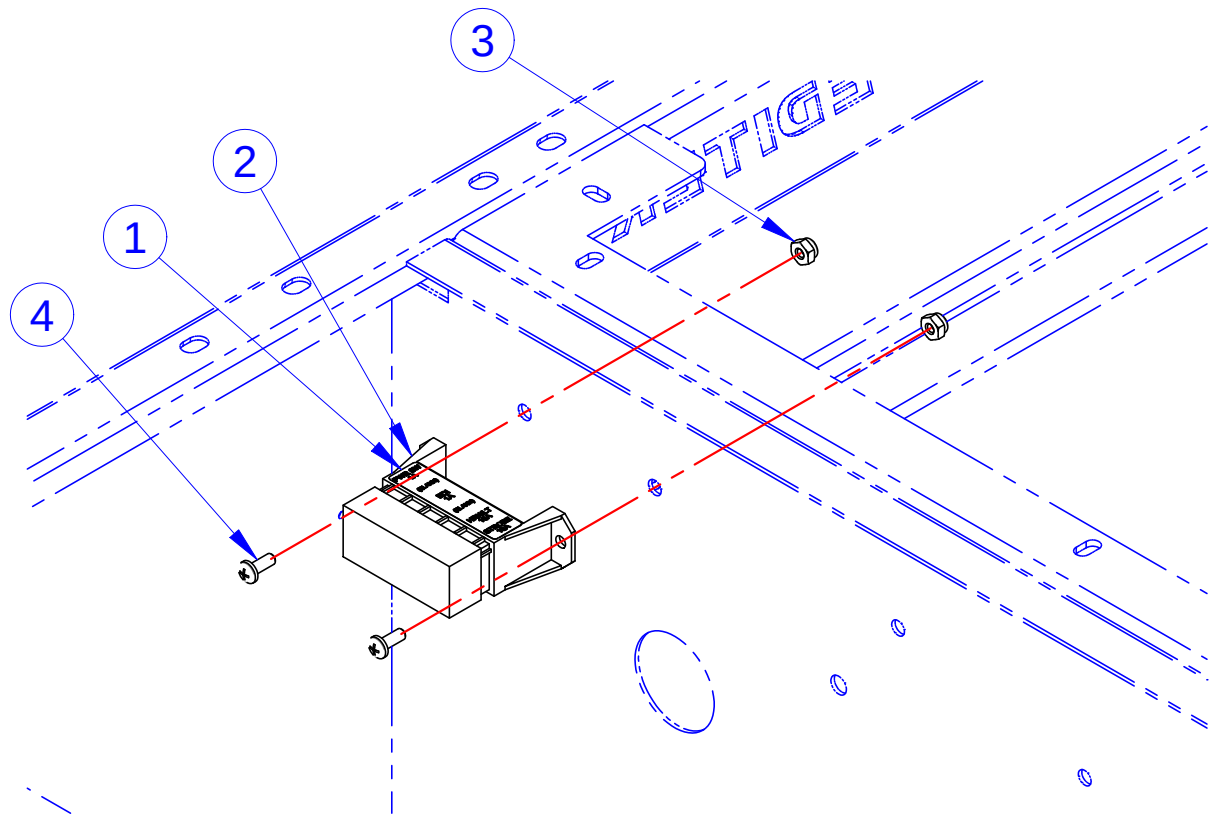
DC CONTROL MOUNT



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG467939	ASSY, DC CNTRL, EXPEDITER	1	467939
2	CVG708511	WASHER, FLAT, 1/4", 18-8SS	2	708511
3	CVG761637	NUT,1/4-20,SERRATED FLANGE, 18-8 SS	2	761637
4	CVG782784	SCREW,1/4-20X3/4,HHCS,18-8SS	2	782784

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

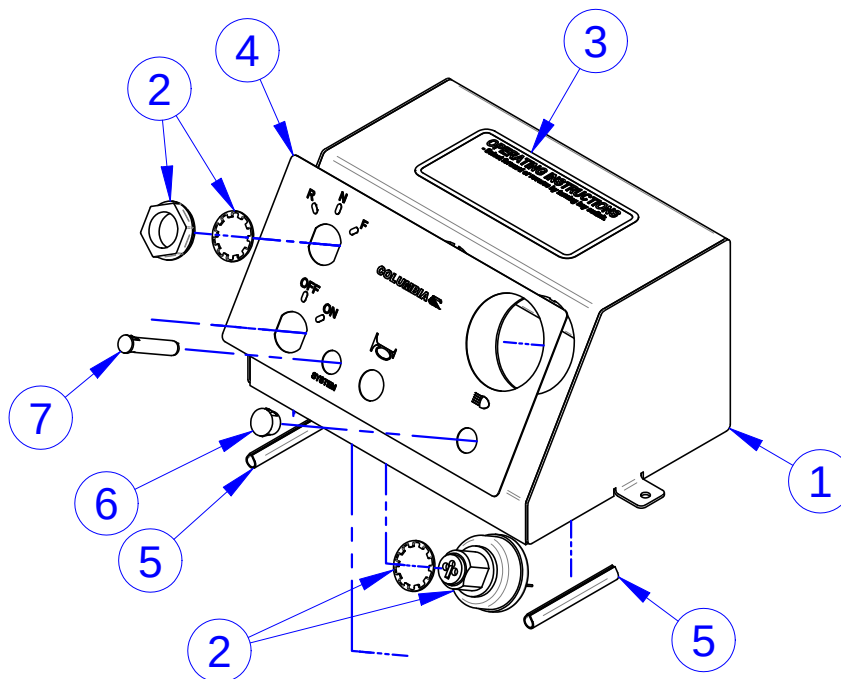
POWER SYSTEM FUSE BOX



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG709703	LABEL, SET - EX-21/TE-31	1	709703
2	CVG760764	FUSE BLOCK, 6-WAY	1	760764
3	CVG761631	NUT, #10-24 GRD 18-8 NM SS NYLOCK	2	761631
4	CVG761632	SCREW, #10-24X1/2" PPH GRD 18-8 SS	2	761632

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

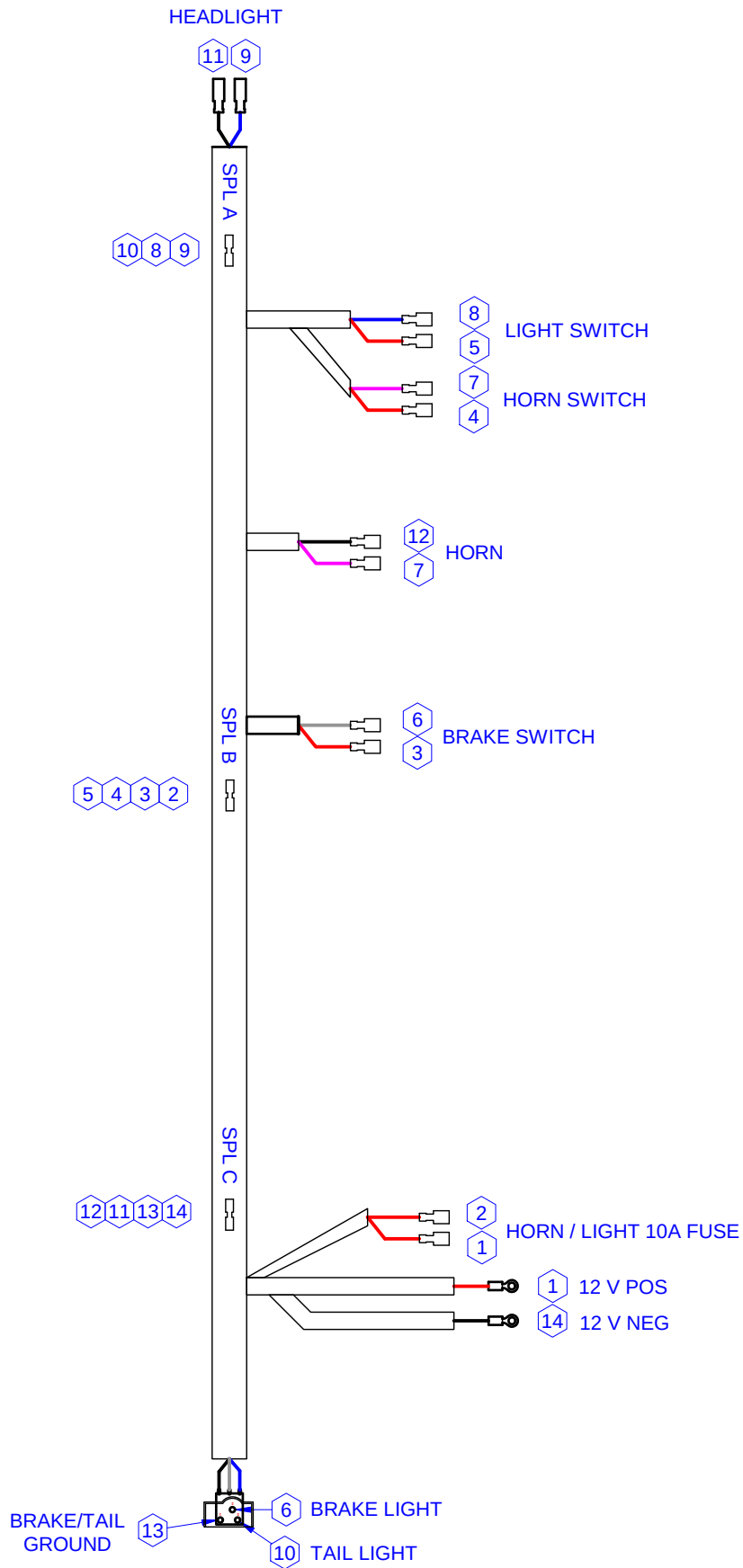
POWER SYSTEM CONSOLE



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG307501TB	WELDM'T, CONSOLE - EX 21	1	307501
2	CVG709040	KEYSWITCH, UNIVERSAL "A" W/HRDWR	1	709040
3	CVG709703	LABEL, SET - EX-21/TE-31	1	709703
4	CVG712083	DECAL, DASH, EX21 W/STAT INDCTR LT	1	712083
5	CVG719355	MOLDING, BLACK	0.42	719355
6	CVG719798	PLUG 1/2 HOLE BLACK HEYCO #2643	1	719798
7	CVG759932	INDICATOR, LED, SERIES 22	1	759932

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

HARNESS, 12V ACC



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

HARNESS, 12V ACC

CIRCUIT NO	DESCRIPTION	FIRST TERMINAL	SECOND TERMINAL	WIRE LENGTH*	WIRE COLOR	WIRE GAGE
1	12 V POS TO FUSE	14-16 GA 5/16"RING TERM	14-16 GA 1/4" I.F. BLADE TERM (1)	27.50	RED	16
2	FUSE TO SPLICE B	14-16 GA 1/4" I.F. BLADE TERM (1)	SPLICE	57.50	RED	16
3	SPLICE B TO BRAKE SWITCH	SPLICE	14-16 GA 1/4" F.I.F. BLADE TERM	10.50	RED	16
4	SPLICE B TO HORN SWITCH	SPLICE	14-16 GA 1/4" F.I.F. BLADE TERM	26.50	RED	16
5	SPLICE B TO LIGHT SWITCH	SPLICE	14-16 GA 1/4" F.I.F. BLADE TERM	26.50	RED	16
6	BRAKE SWITCH TO BRAKE LIGHT	14-16 GA 1/4" F.I.F. BLADE TERM	UNLIMITED # 832 - STOP/TURN	94.50	GRY	16
7	HORN SWITCH TO HORN	14-16 GA 1/4" F.I.F. BLADE TERM	14-16 GA 1/4" H.S. F.I.F. BLADE TERM (2)	16.50	WHT	16
8	LIGHT SWITCH TO SPLICE A	14-16 GA 1/4" F.I.F. BLADE TERM	SPLICE	12.50	BLU	16
9	SPLICE A TO HEADLIGHT	SPLICE	14-16 GA .156 F.I.F. BULLET	22.50	BLU	16
10	SPLICE A TO TAIL LIGHT	SPLICE	UNLIMITED # 832 - TAIL	106.50	BLU	16
11	HEADLIGHT TO SPLICE C	14-16 GA .156 F.I.F. BULLET	SPLICE	85.50	BLK	16
12	SPLICE C TO HORN	SPLICE	14-16 GA 1/4" H.S. F.I.F. BLADE TERM (2)	63.50	BLK	16
13	SPLICE C TO BRAKE/TAIL GROUND	SPLICE	UNLIMITED # 832 - GRND	43.50	BLK	16
14	SPLICE C TO 12V NEG	SPLICE	14-16 GA 5/16"RING TERM	19.50	BLK	16

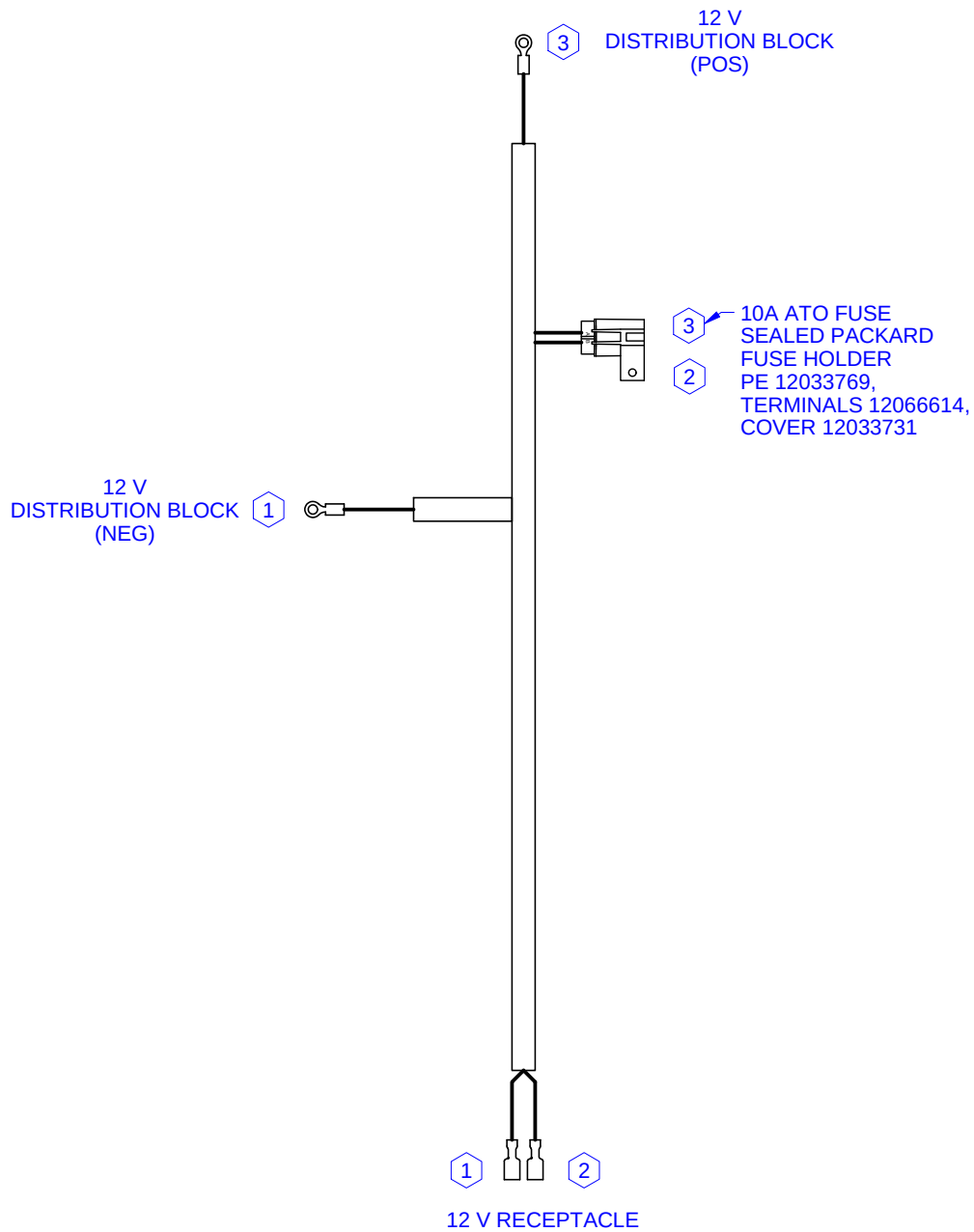
* WIRE LENGTH FOR REFERENCE USE ONLY
FIF = FULLY INSULATED FEMALE QUICK CONNECT
FIM = FULLY INSULATED MALE QUICK CONNECT
(1) = WIRE, 16/2 CABLE

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

ACCESSORIES WIRE HARNESS, 12V OUTLET

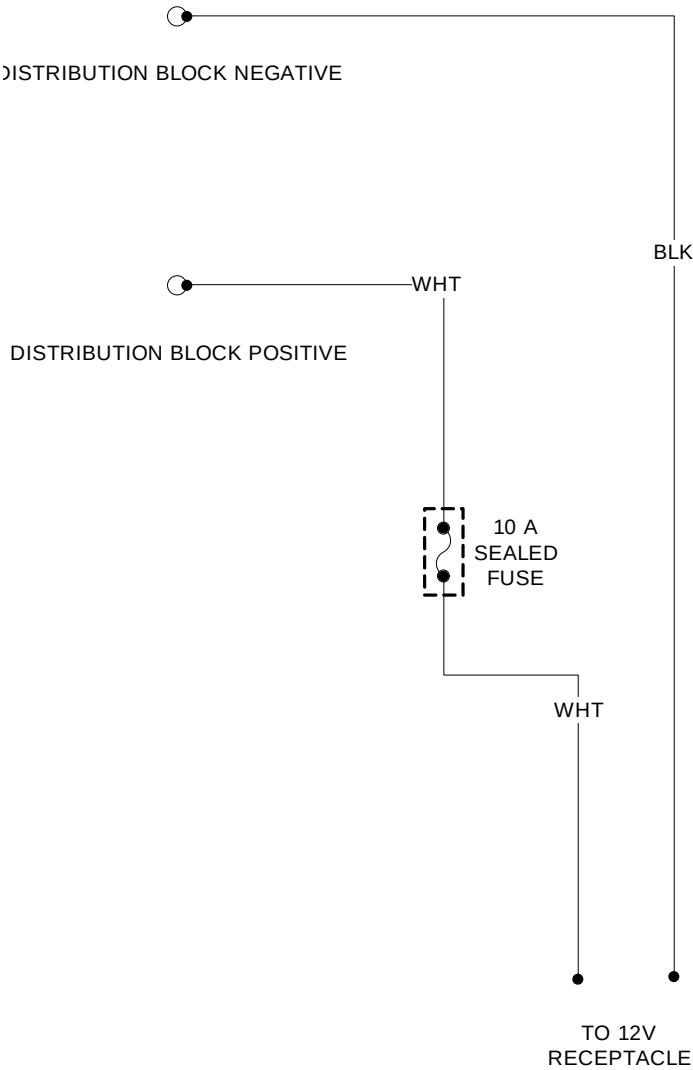
CIRCUIT NO	DESCRIPTION	FIRST TERMINAL	SECOND TERMINAL	WIRE LENGTH*	WIRE COLOR	WIRE GAGE
1	12 V RECEPTACLE (-VE) TO 12 V BATTERY (-VE)	14-16 GA 1/4" F.I.F.	14-16 GA 3/8" RING TERM	100.00	BLK	16
2	12 V RECEPTACLE (+VE) TO FUSE 10A	14-16 GA 1/4" F.I.F.	PACKARD 12066614	91.00	WHT	16
3	FUSE 10 A TO 12 V BATTERY (+VE)	PACKARD 12066614	14-16 GA 3/8" RING TERM	11.00	WHT	16

* WIRE LENGTH FOR REFERENCE USE ONLY
FIF = FULLY INSULATED FEMALE QUICK CONNECT
FIM = FULLY INSULATED MALE QUICK CONNECT
(1) = WIRE, 16/2 CABLE



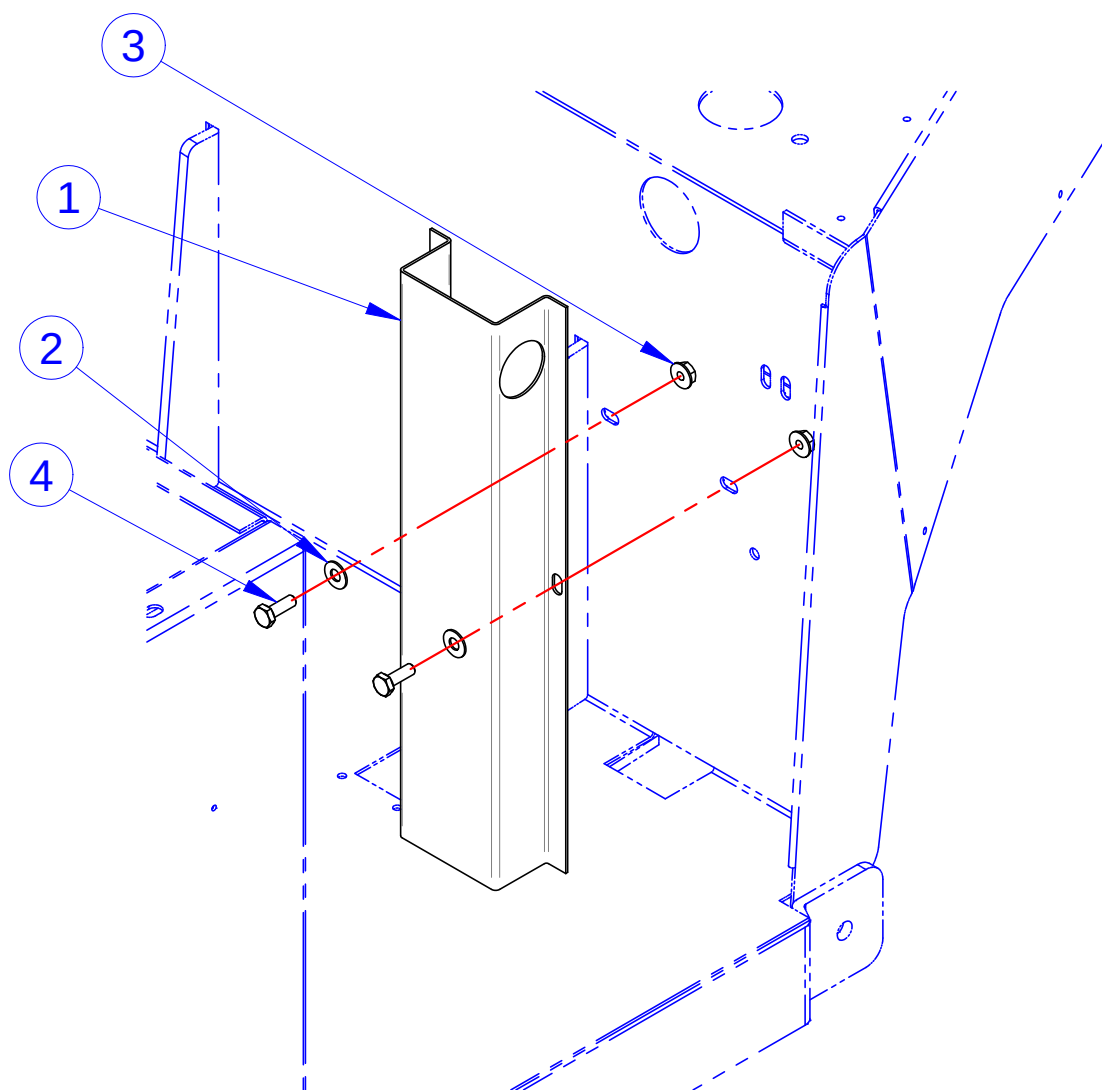
NOTE: Items with * in tables indicates parts not shown in drawing

12V RECEPTACLE OUTLET
SCHEMATIC



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

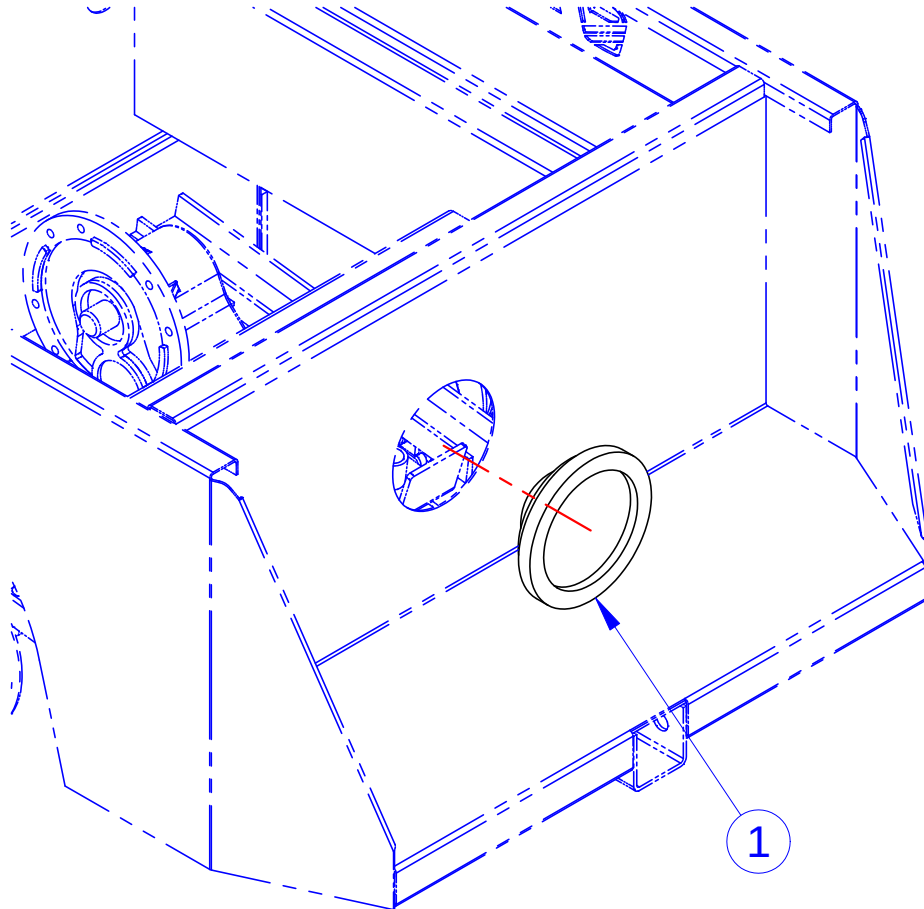
WIRING COVER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG509633	COVER - COWL WIRING	1	509633
2	CVG708511	WASHER, FLAT, 1/4", 18-8SS	2	708511
3	CVG761637	NUT,1/4-20,SERRATED FLANGE, 18-8 SS	2	761637
4	CVG782784	SCREW,1/4-20X3/4,HHCS,18-8SS	2	782784

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

4" ROUND BRAKE LIGHT



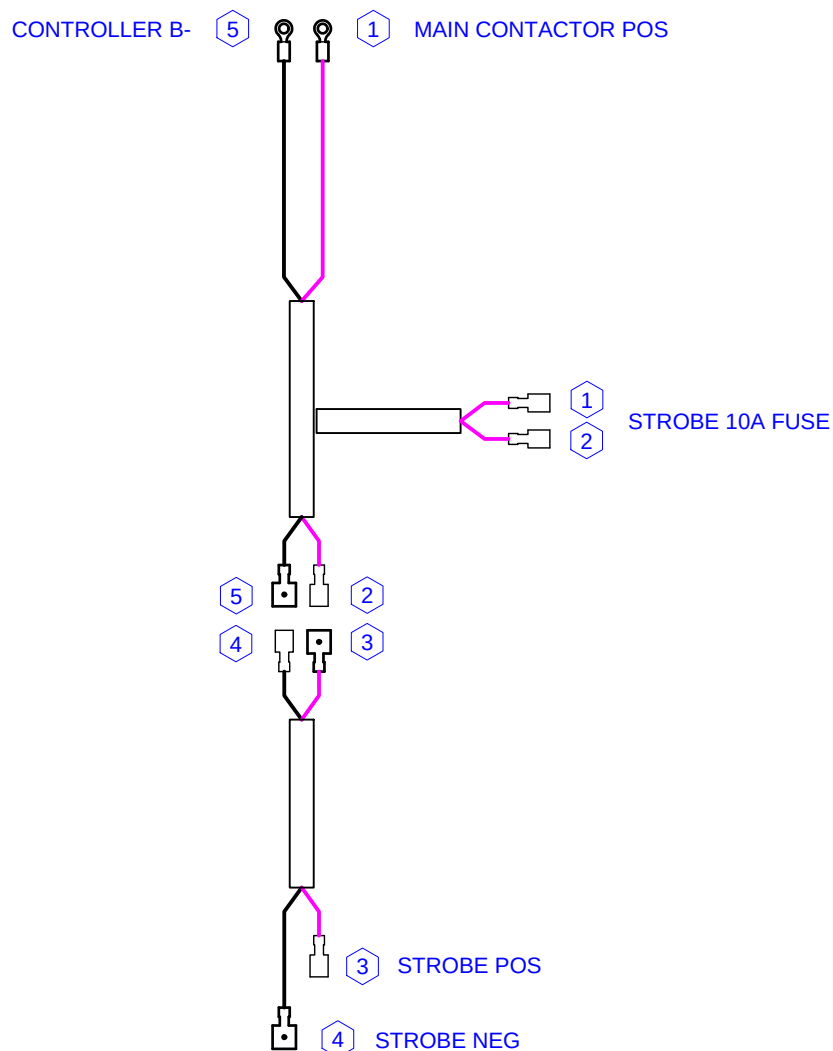
ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG709109	4"RND TAIL LAMP ASSY W/PLUG, SEAL	1	709109

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

STROBE POLE HARNESS

CIRCUIT NO	DESCRIPTION	FIRST TERMINAL	SECOND TERMINAL	WIRE LENGTH*	WIRE COLOR	WIRE GAGE
1	MAIN CONTACTOR POS TO FUSE	14-16 GA 5/16" RING	14-16 GA 1/4" FEM TAB	36.50	WHT	16
2	FUSE TO JUNCTION POS	14-16 GA 1/4" FEM TAB	14-16 GA 1/4" F.I.F.	38.50	WHT	16
3	JUNCTION POS TO STROBE POS	14-16 GA 1/4" F.I.M.	14-16 GA 1/4" F.I.F.	54.50 (1)	WHT	16
4	STROBE NEG TO JUNCTION NEG	14-16 GA 1/4" F.I.M.	14-16 GA 1/4" F.I.F.	56.00 (1)	BLK	16
5	JUNCTION NEG TO CONTROLLER B-	14-16 GA 1/4" F.I.M.	14-16 GA 5/16" RING	58.50	BLK	16

* WIRE LENGTH FOR REFERENCE USE ONLY
 FIF = FULLY INSULATED FEMALE QUICK CONNECT
 FIM = FULLY INSULATED MALE QUICK CONNECT
 (1) = WIRE, 16/2 CABLE

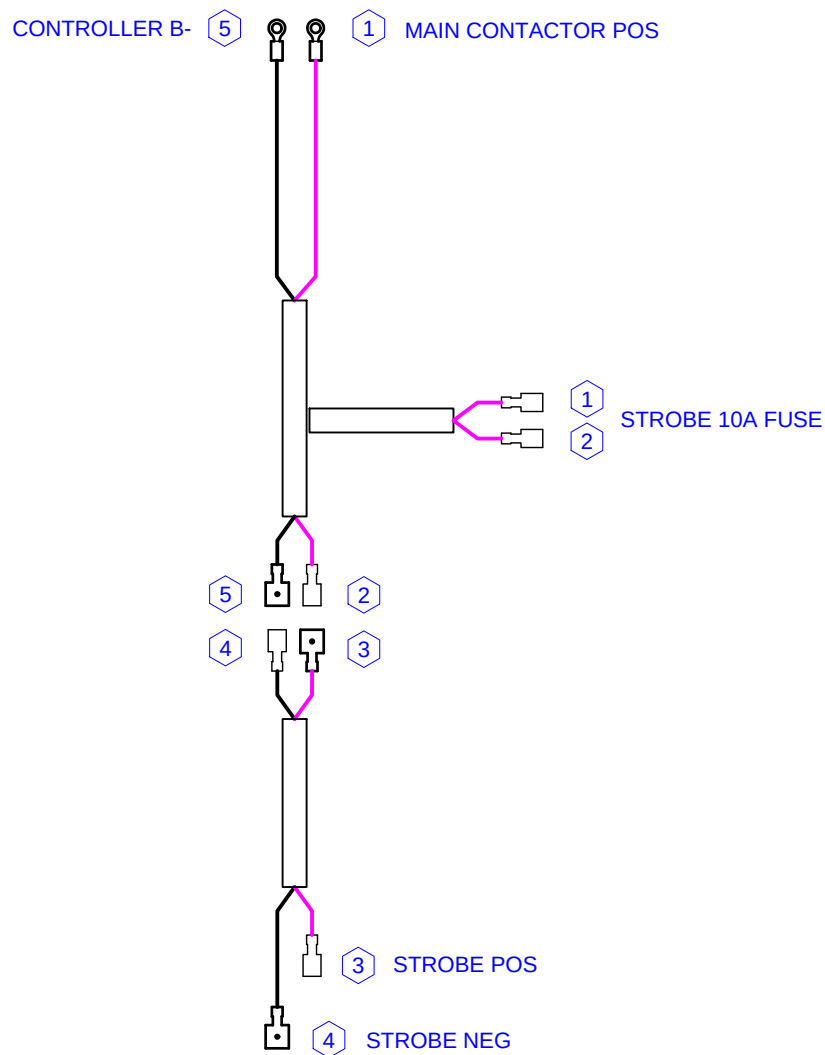


NOTE: Items with * in tables indicates parts not shown in drawing

TOOL EXPRESS STROBE POLE HARNESS

CIRCUIT NO	DESCRIPTION	FIRST TERMINAL	SECOND TERMINAL	WIRE LENGTH*	WIRE COLOR	WIRE GAGE
1	MAIN CONTACTOR POS TO FUSE	14-16 GA 5/16" RING	14-16 GA 1/4" FEM TAB	36.50	WHT	16
2	FUSE TO JUNCTION POS	14-16 GA 1/4" FEM TAB	14-16 GA 1/4" F.I.F.	60.50	WHT	16
3	JUNCTION POS TO STROBE POS	14-16 GA 1/4" F.I.M.	14-16 GA 1/4" F.I.F.	39.50 (1)	WHT	16
4	STROBE NEG TO JUNCTION NEG	14-16 GA 1/4" F.I.M.	14-16 GA 1/4" F.I.F.	41.00 (1)	BLK	16
5	JUNCTION NEG TO CONTROLLER B-	14-16 GA 1/4" F.I.M.	14-16 GA 5/16" RING	80.50	BLK	16

* WIRE LENGTH FOR REFERENCE USE ONLY
 FIF = FULLY INSULATED FEMALE QUICK CONNECT
 FIM = FULLY INSULATED MALE QUICK CONNECT
 (1) = WIRE, 16/2 CABLE



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





COLUMBIA

EXPEDITER

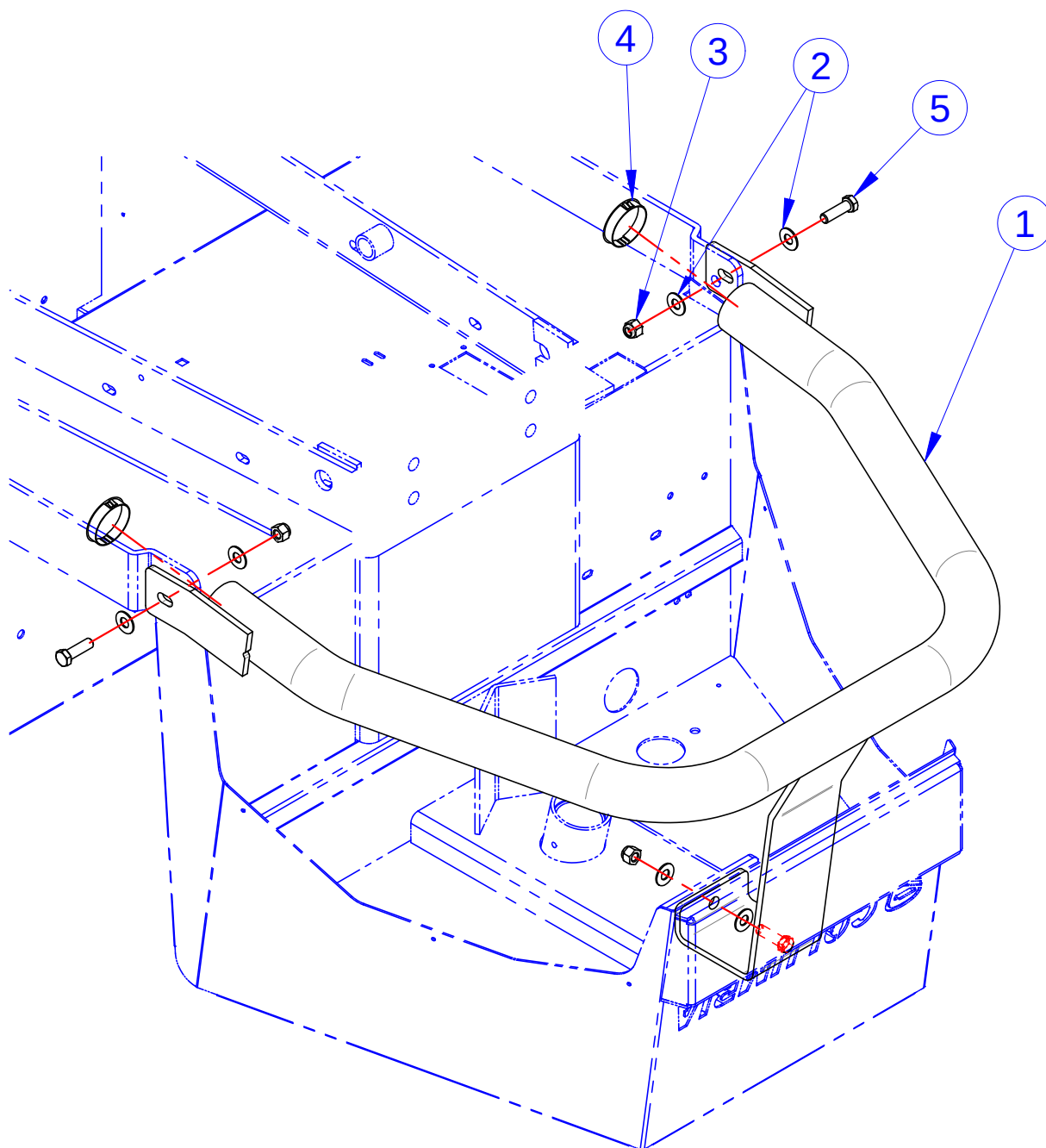
PARTS MANUAL

SECTION 7

ACCESSORIES



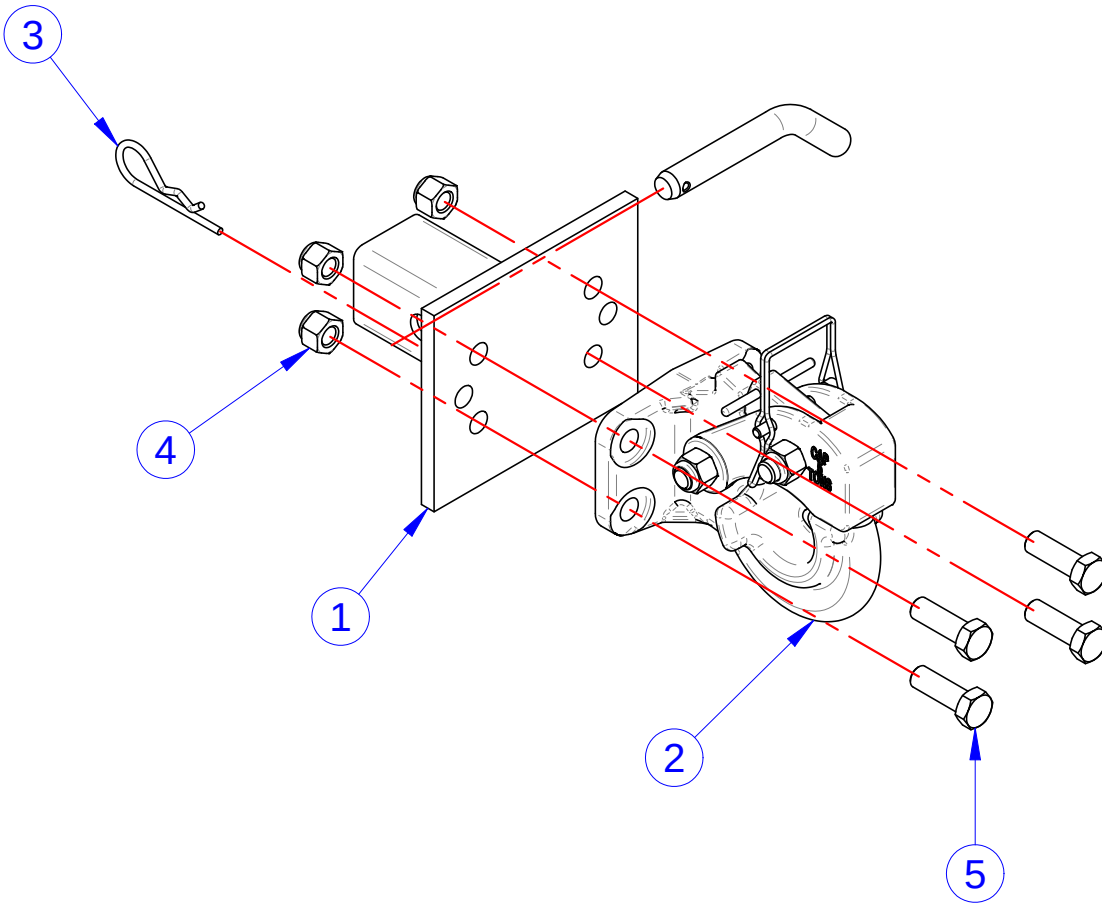
FRONT BUMPER (3-WHEELED)



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-5	CVG190467U	P&A KIT, EX21 FRONT BUMPER (3WHL)	KIT	190467
1	CVG307830TB	BUMPER, FRONT - EX 21, 3 WHL	1	307830
2	CVG708859	WASHER, 3/8, STD, FW, 18-8SS	6	708859
3	CVG708860	NUT, 3/8-16, L/N, NYL, NE, 18-8, S/S	3	708860
4	CVG719530	PLUG, 1.75" BLACK PLASTIC	2	719530
5	CVG782787	SCREW, 3/8-16X1.25, HHCS, 18-8SS	3	782787

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

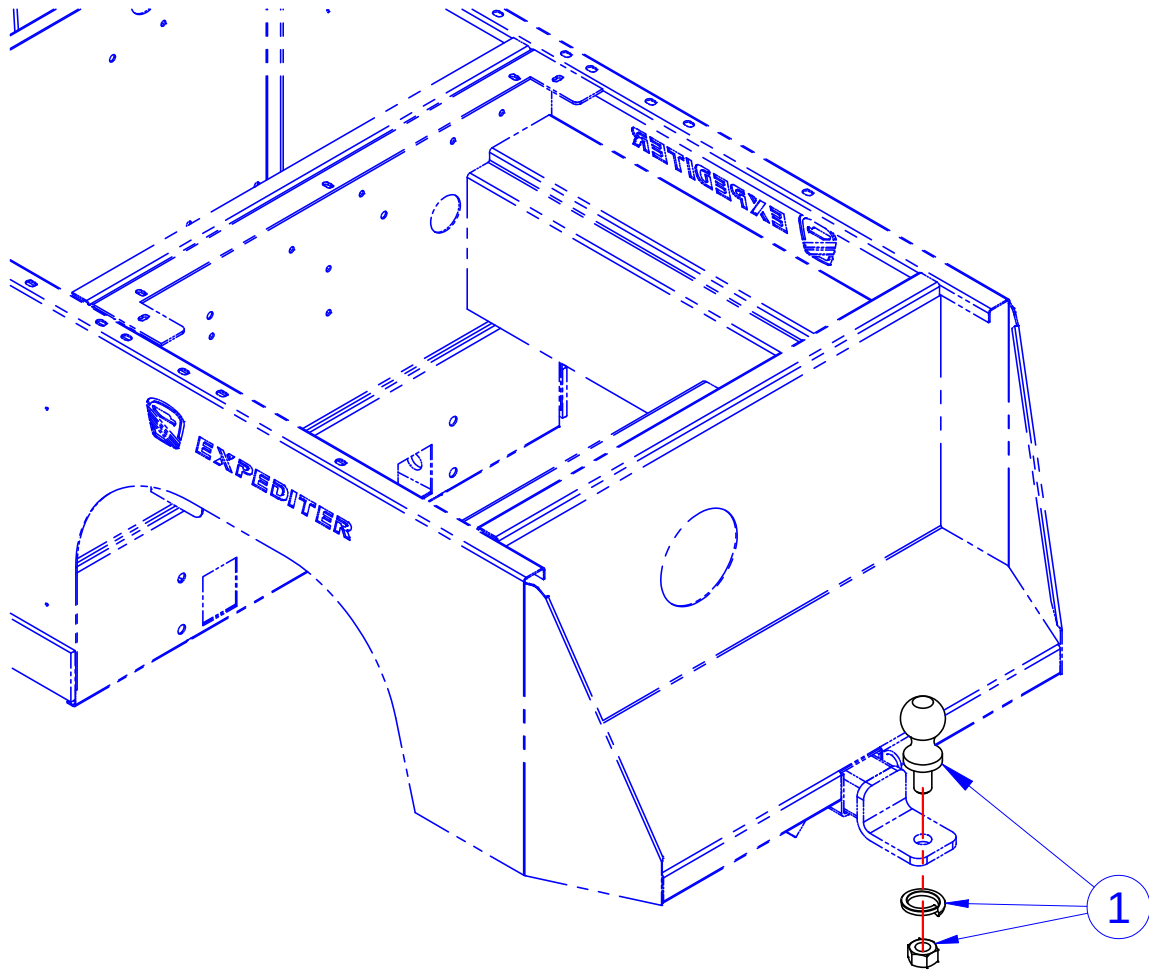
PINTLE HITCH



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-5	CVG190468U	P&A KIT, PINTLE HITCH - 2" RECIEVER	KIT	190468
1	CVG307716	WELDM'T, HITCH PLATE - EX 21	1	307716
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

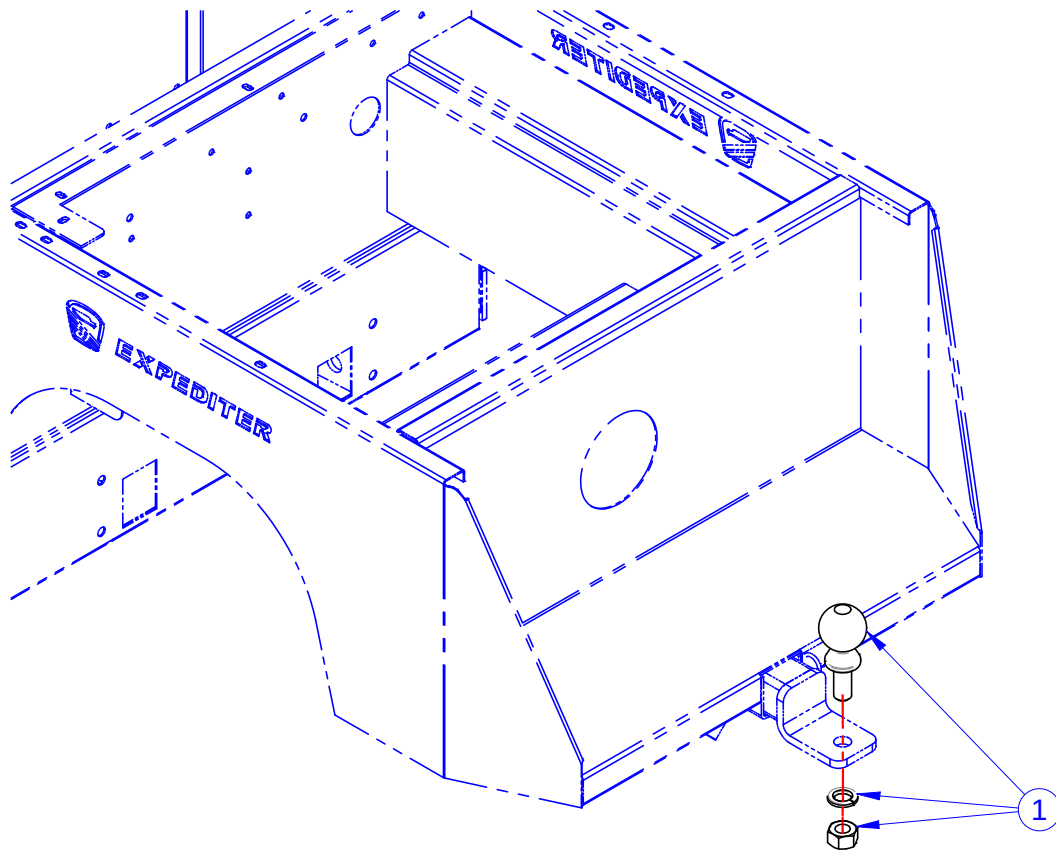
1-7/8" BALL HITCH



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG719008	TRAILER HITCH BALL - CHROME	1	719008

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

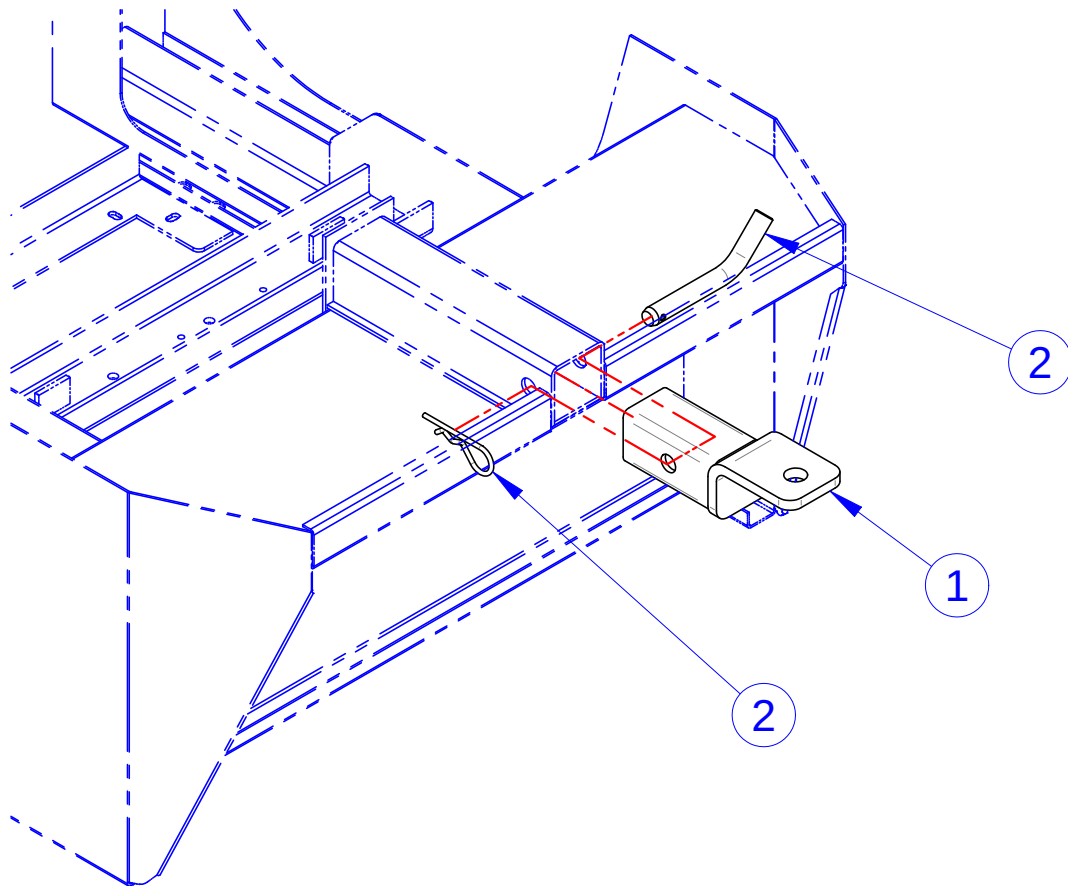
2" BALL HITCH



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG719207	BALL HITCH, 2"	1	719207

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

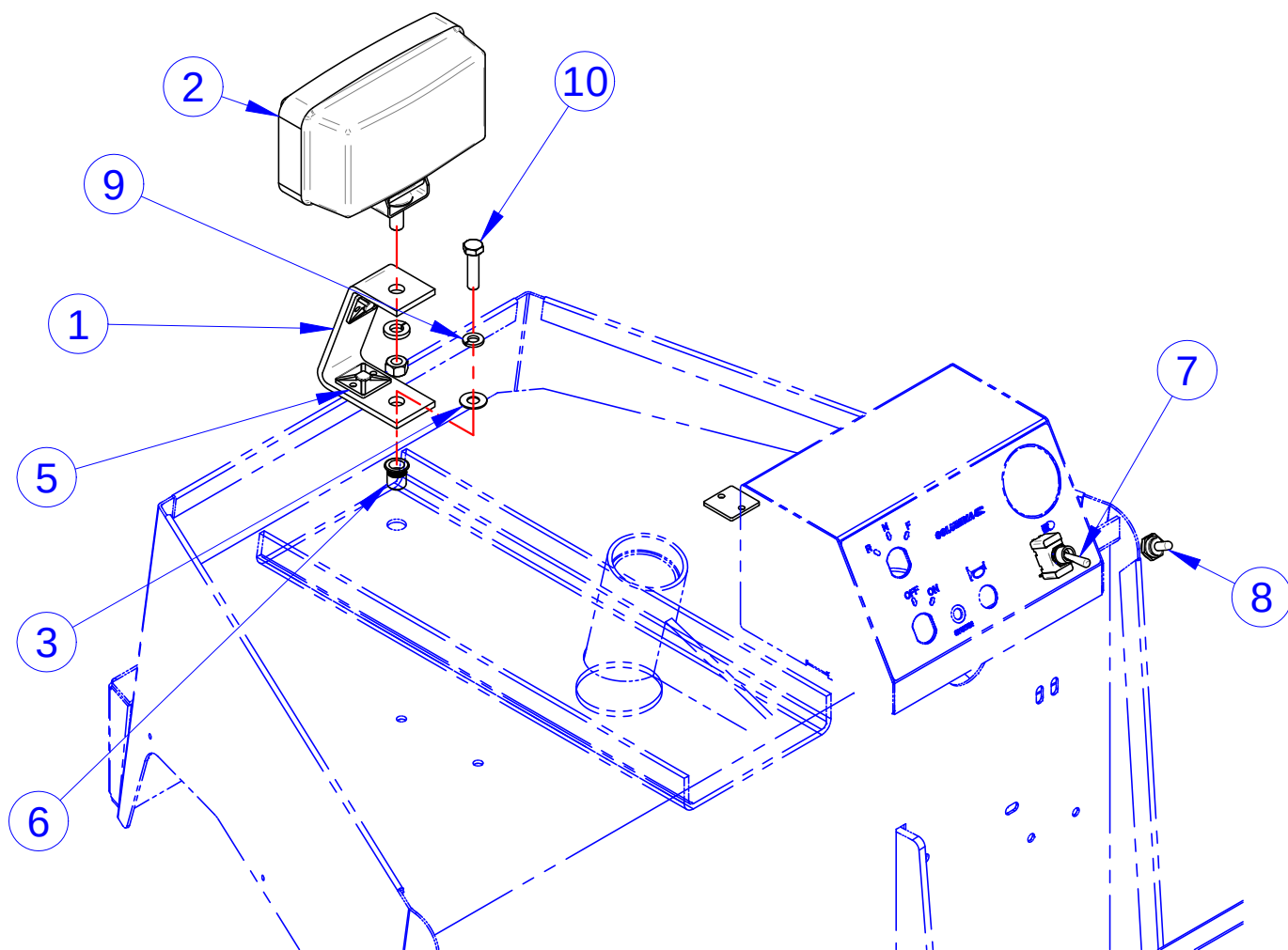
BALL MOUNT



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-2	CVG190469U	GROUP, BALL MOUNT, EX	KIT	190469
1	CVG306922	BALLMOUNT, 2" RECEIVER	1	306922
2	CVG719210	PIN, HITCH 5/8" OD W/ CLIP	1	719210

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

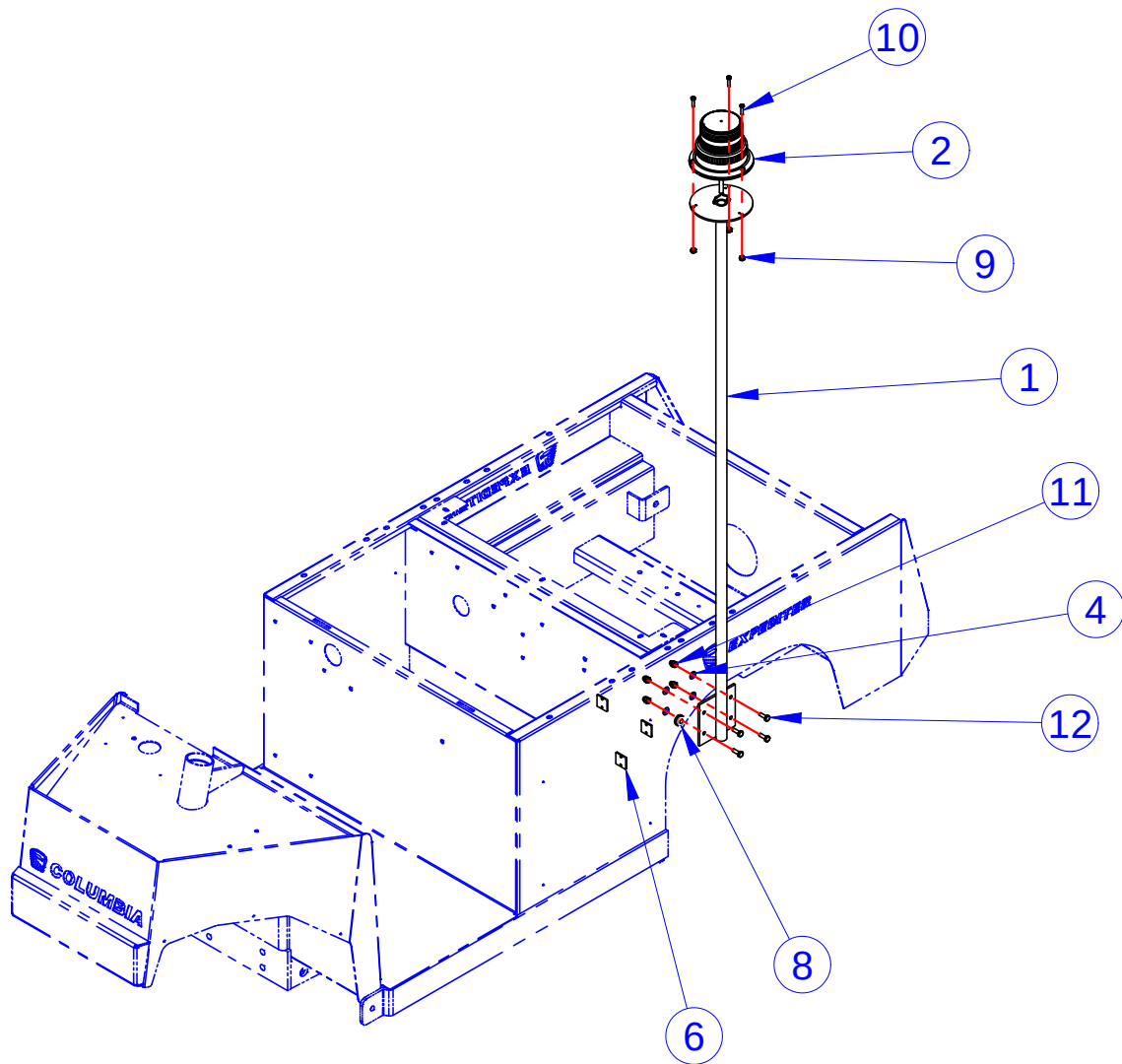
HEADLIGHT



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-10	CVG190473U	P&A KIT, EX21 HEADLIGHT ACE+	KIT	190473
1	CVG509203	LIGHT MTG. BRKT.	1	509203
2	CVG709389	HEADLIGHT	1	709389
3	CVG719375	WSHR,5/16X0.750X0.040,F/W,18-8S/S	1	719375
4*	CVG719501	CABLE TIE, NATURAL 5 3/4"	3	719501
5	CVG719503	CABLE TIE MNT BRKT BLACK W/3M	3	719503
6	CVG719929	NUT,5/16-18,RIV,KNRLD,0.027-0.150,YWZC	1	719929
7	CVG760600	SWITCH, TOGGLE, LIGHTS ON-OFF	1	760600
8	CVG761787	BOOT,TOGGLE SWITCH	1	761787
9	CVG781621	WSHR, 5/16, L/W, SPLIT, 18-8, S/S	1	781621
10	CVG782841	SCREW,5/16-18X1-1/4,HHCS, 18-8SS	1	782841

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

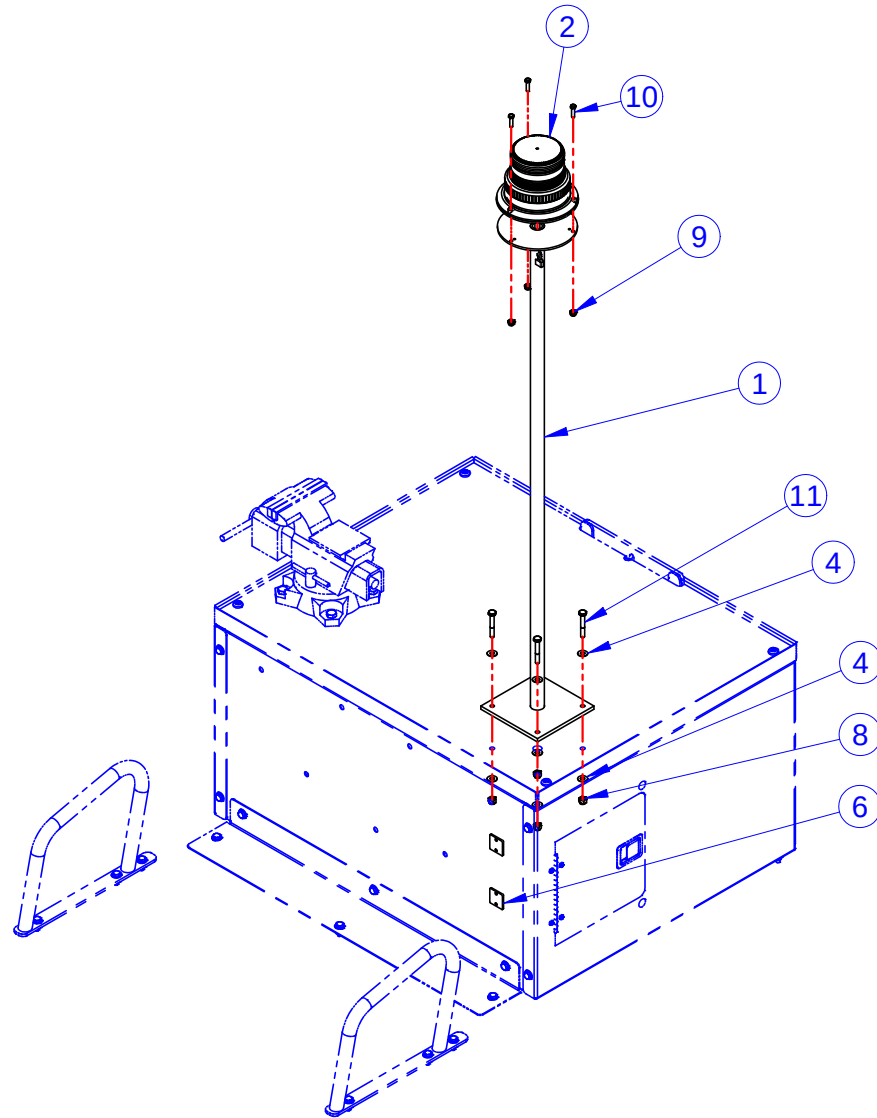
AMBER STROBE POLE



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1-12	CVG192600U	KIT, EX21 POLE AMBER STROBE	KIT	192600
1	CVG306164TB	WLDMT, BC STROBE POLE	1	306164
2	CVG467408	ASM, STROBE LIGHT (AMBER)	1	467408
3*	NONE	HARNESS, STROBE, POLE, EX	1	467956
4	CVG708511	WASHER, FLAT, 1/4", 18-8SS	4	708511
5*	CVG709786	FUSE, 10A ATO/ATC	1	709786
6	CVG719503	CABLE TIE MNT BRKT BLACK W/3M	3	719503
7*	CVG719504	CABLE TIE,BLACK,,18X11-3/4,STD,50LB	5	719504
8	CVG719522	GROMMET, 3/8 X 7/8	1	719522
9	CVG761631	NUT, #10-24 GRD 18-8 NM SS NYLOCK	3	761631
10	CVG761638	SCREW,10-24X3/4,IHHMS,18-8 SS	3	761638
11	CVG761641	NUT, 1/4-20, L/N, CAP, NYL, NKE, 18-8, S/S	4	761641
12	CVG782784	SCREW,1/4-20X3/4,HHCS,18-8SS	4	782784

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

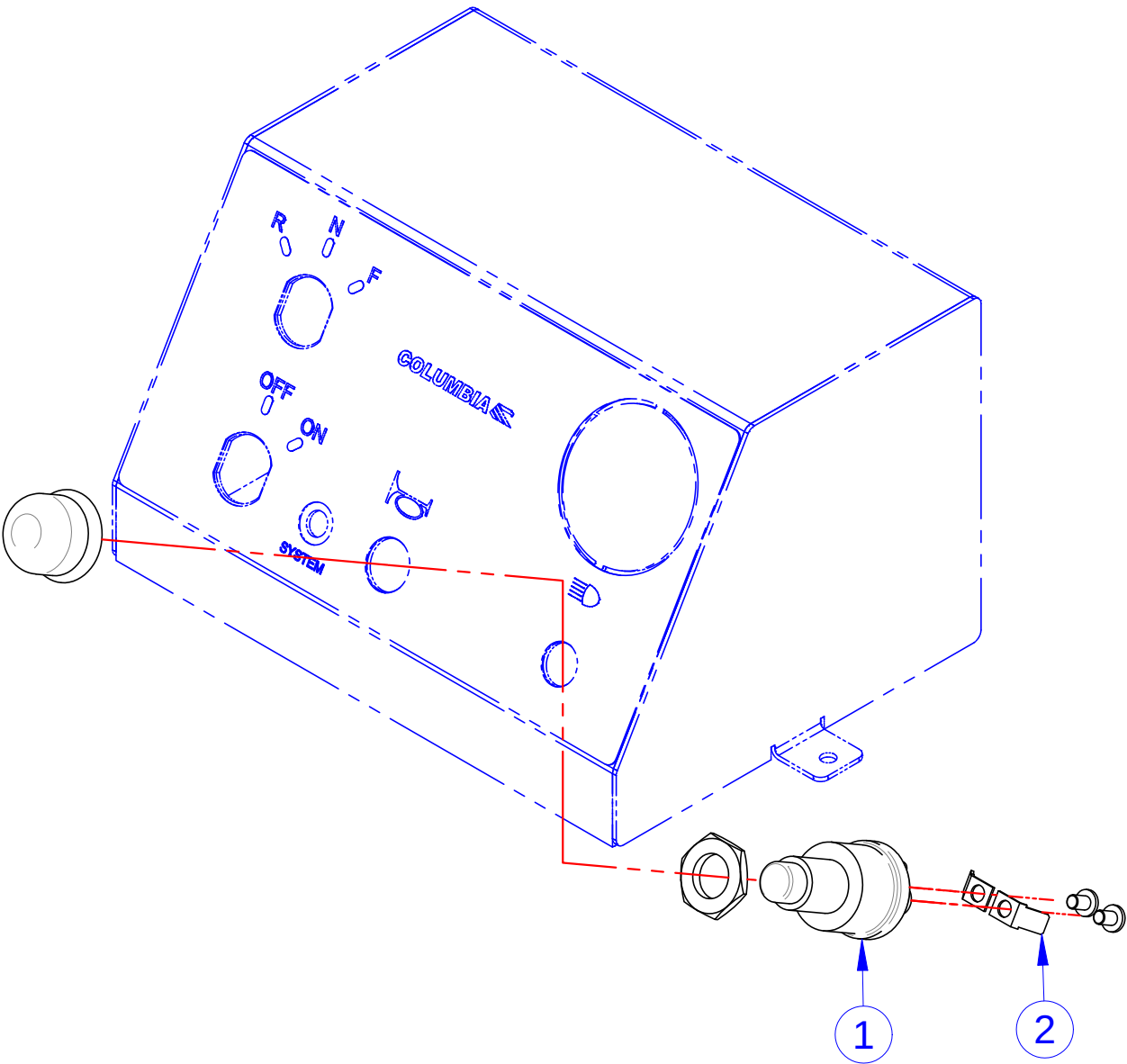
TOOL EXPRESS AMBER STROBE POLE



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG304767TB	WLDMT, LIGHT POLE, ERV	1	304767
2	CVG467408	ASM, STROBE LIGHT (AMBER)	1	467408
3*	CVG467957	HARNESS, STROBE, POLE, EX-TE	1	467957
4	CVG708511	WASHER, FLAT, 1/4", 18-8SS	8	708511
5*	CVG709786	FUSE, 10A ATO/ATC	1	709786
6	CVG719503	CABLE TIE MNT BRKT BLACK W/3M	3	719503
7*	CVG719504	CABLE TIE,BLACK,.18X11-3/4,STD,50LB	4	719504
8	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	4	719876
9	CVG761631	NUT, #10-24 GRD 18-8 NM SS NYLOCK	3	761631
10	CVG761638	SCREW,10-24X3/4,IHMS,18-8 SS	3	761638
11	CVG782786	SCREW,1/4-20X1.75,HHSC,18-8SS	4	782786

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

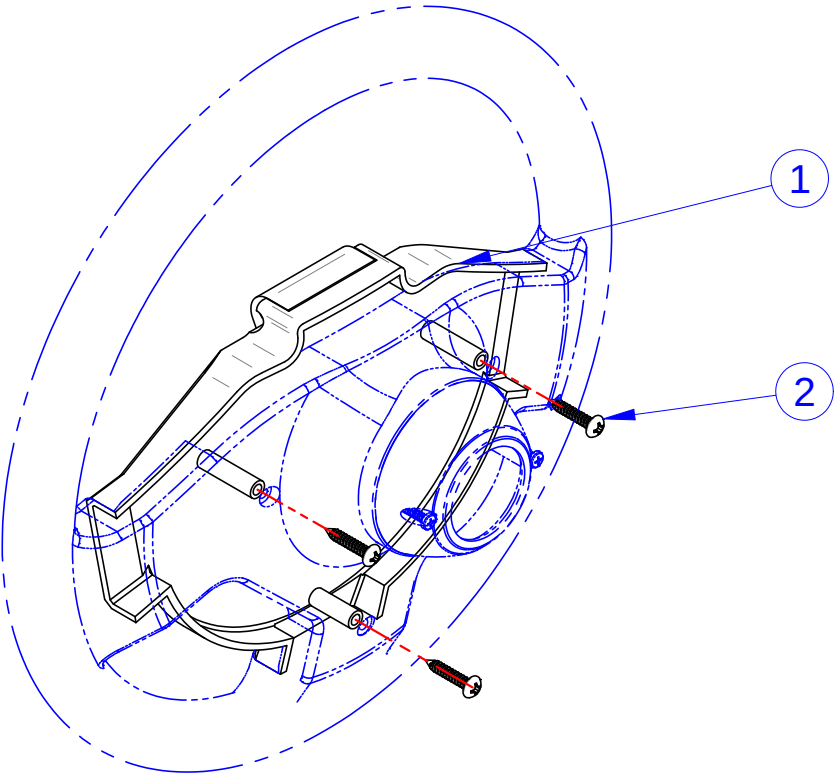
HORN



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG709385	HORN SWITCH	1	709385
2	CVG719825	TERMINAL,#10 STUD-TO-1/4 MALE TAB	2	719825

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

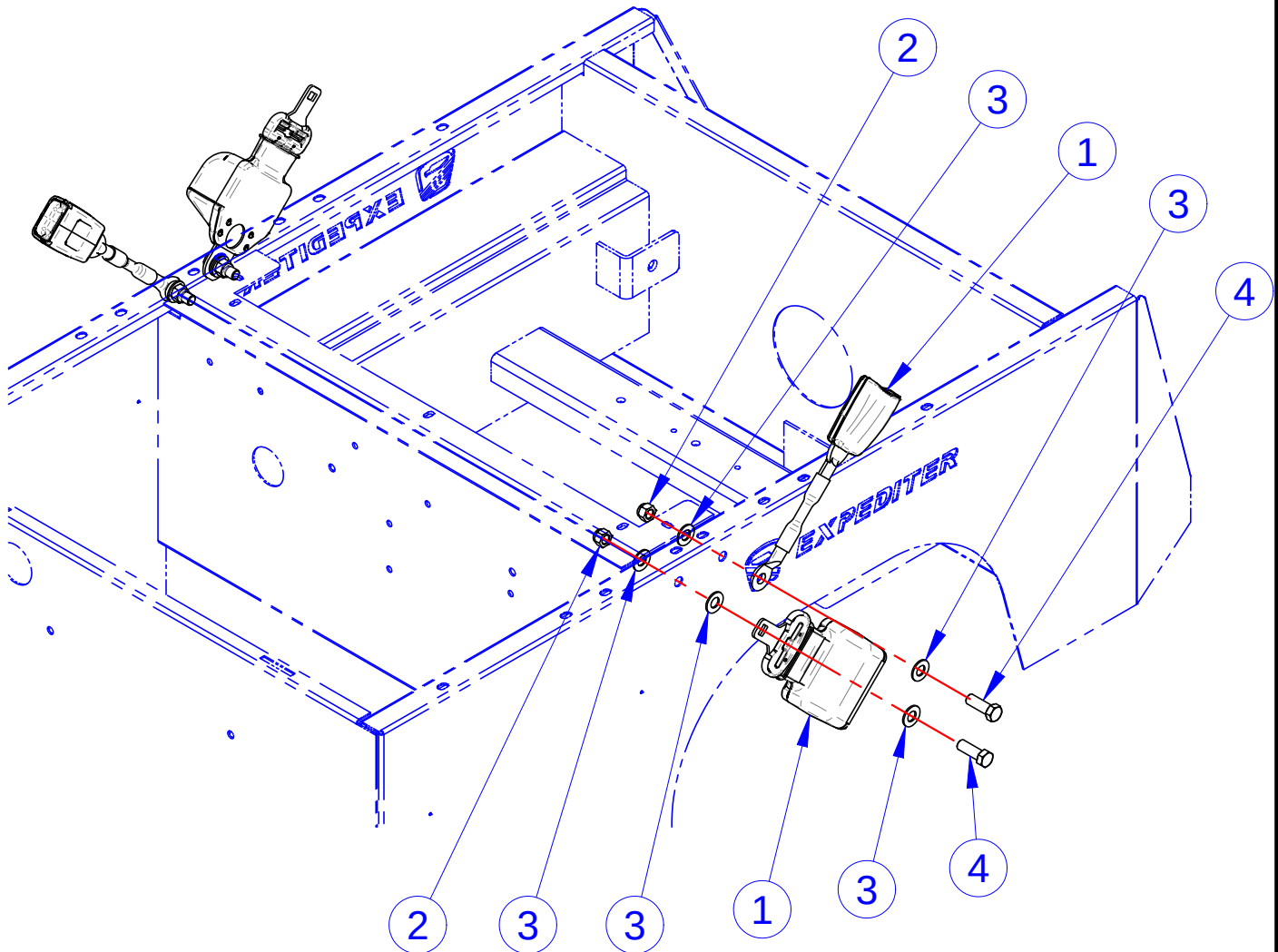
STEERING COVER, SCORECARD HOLDER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG709043	SCORECARD HOLDER	1	709043
2	CVG729263	SCREW #10X1,PPH,T/S,TA, MAGNI 525	3	729263

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

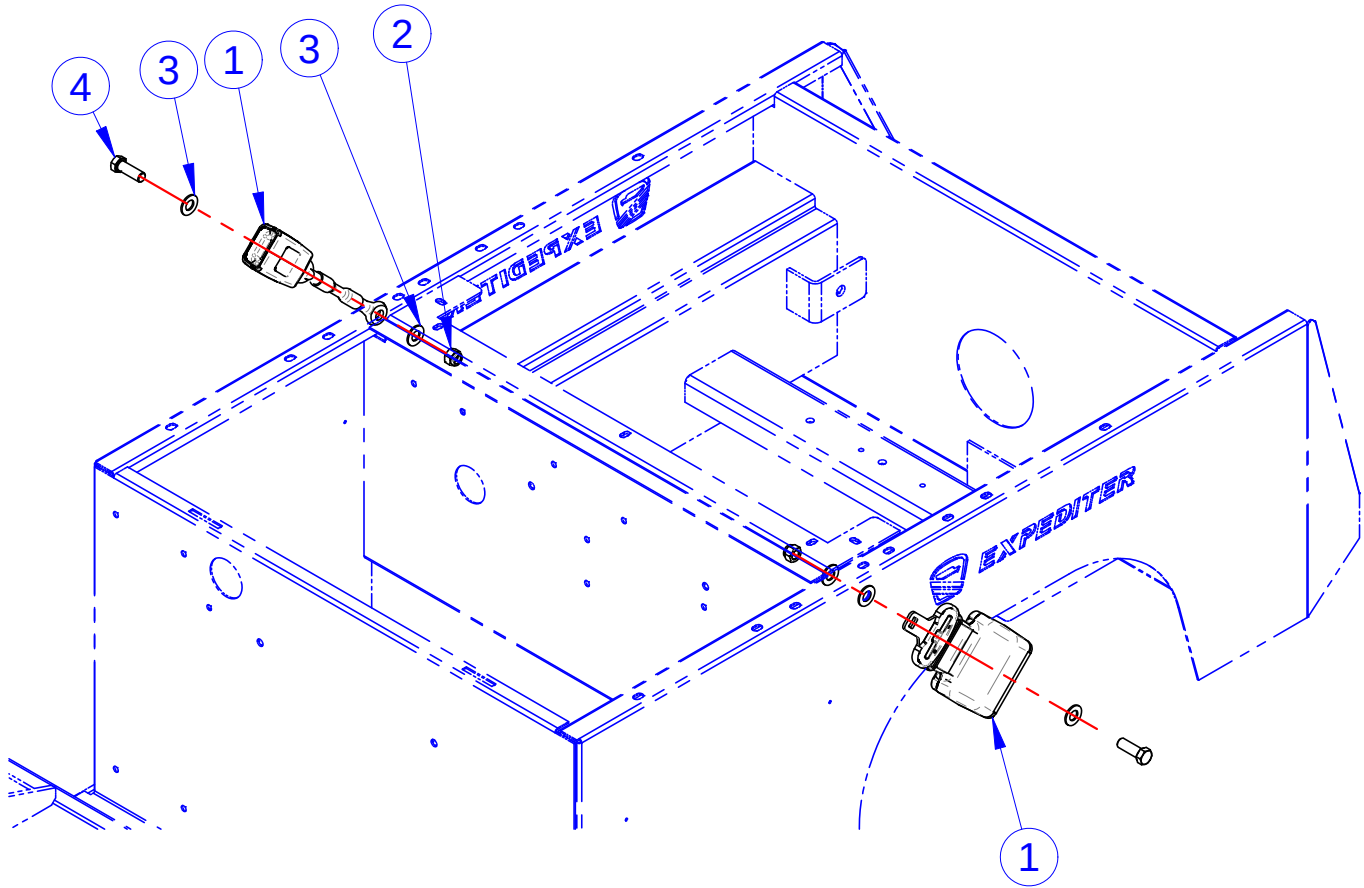
FRONT & REAR SEAT BELTS



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG781923	SEAT BELT,2X48,2-TTH ALR,H2, CABLE	2	781923
2	CVG782751	NUT, 7/16-20, L/N, NYL, NE, G8, MAGNI 525	4	782751
3	CVG782752	WSHR, 7/16 (M11), SAE, F/W, G8, MAGNI 525	10	782752
4	CVG782755	SCR, 7/6-20 X 1.25, HHCS, G8, MAGNI 525	4	782755

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

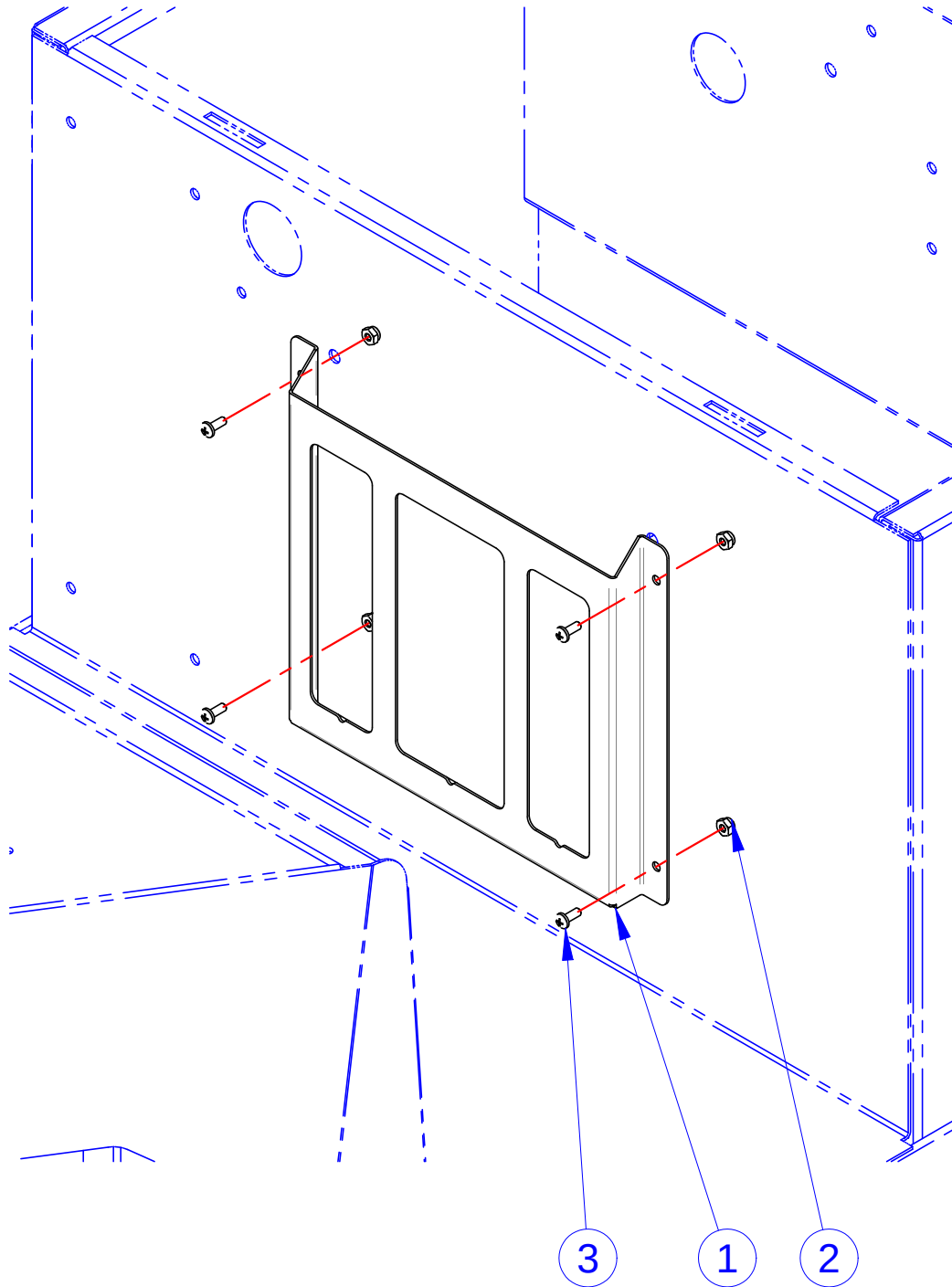
FRONT SEAT BELTS



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG781923	SEAT BELT ,2X48,2-TTH ALR,H2, CABLE	1	781923
2	CVG782751	NUT, 7/16-20, L/N, NYL, NE, G8, MAGNI 525	2	782751
3	CVG782752	WSHR, 7/16 (M11), SAE, F/W, G8, MAGNI 525	5	782752
4	CVG782755	SCR, 7/16-20 X 1.25, HHCS, G8, MAGNI 525	2	782755

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

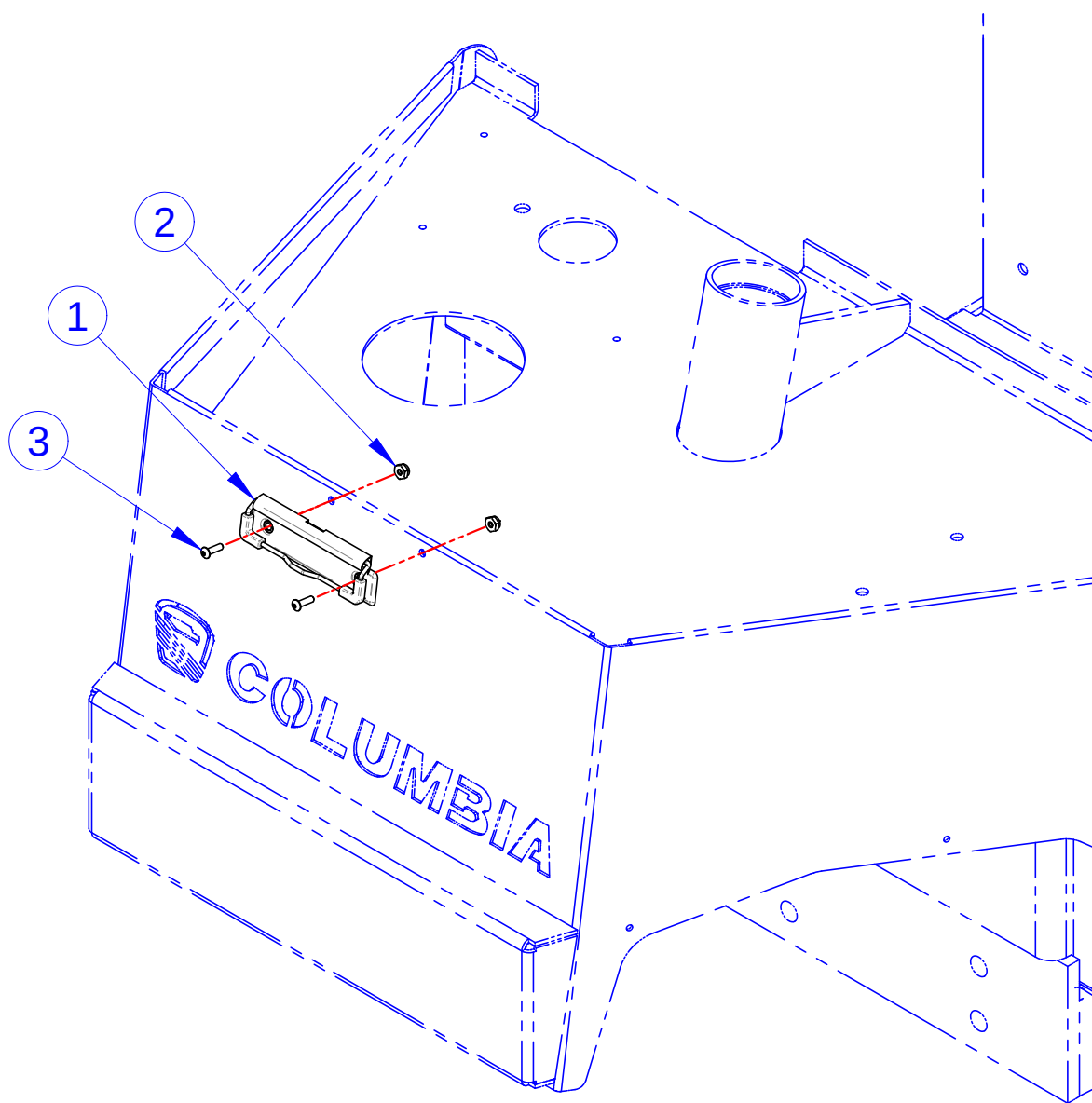
FOLDER HOLDER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG517906TXO	BRKT, FOLDER HOLDER	1	517906
2	CVG761631	NUT, #10-24 GRD 18-8 NM SS NYLOCK	4	761631
3	CVG761632	SCREW, #10-24X1/2" PPH GRD 18-8 SS	4	761632

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

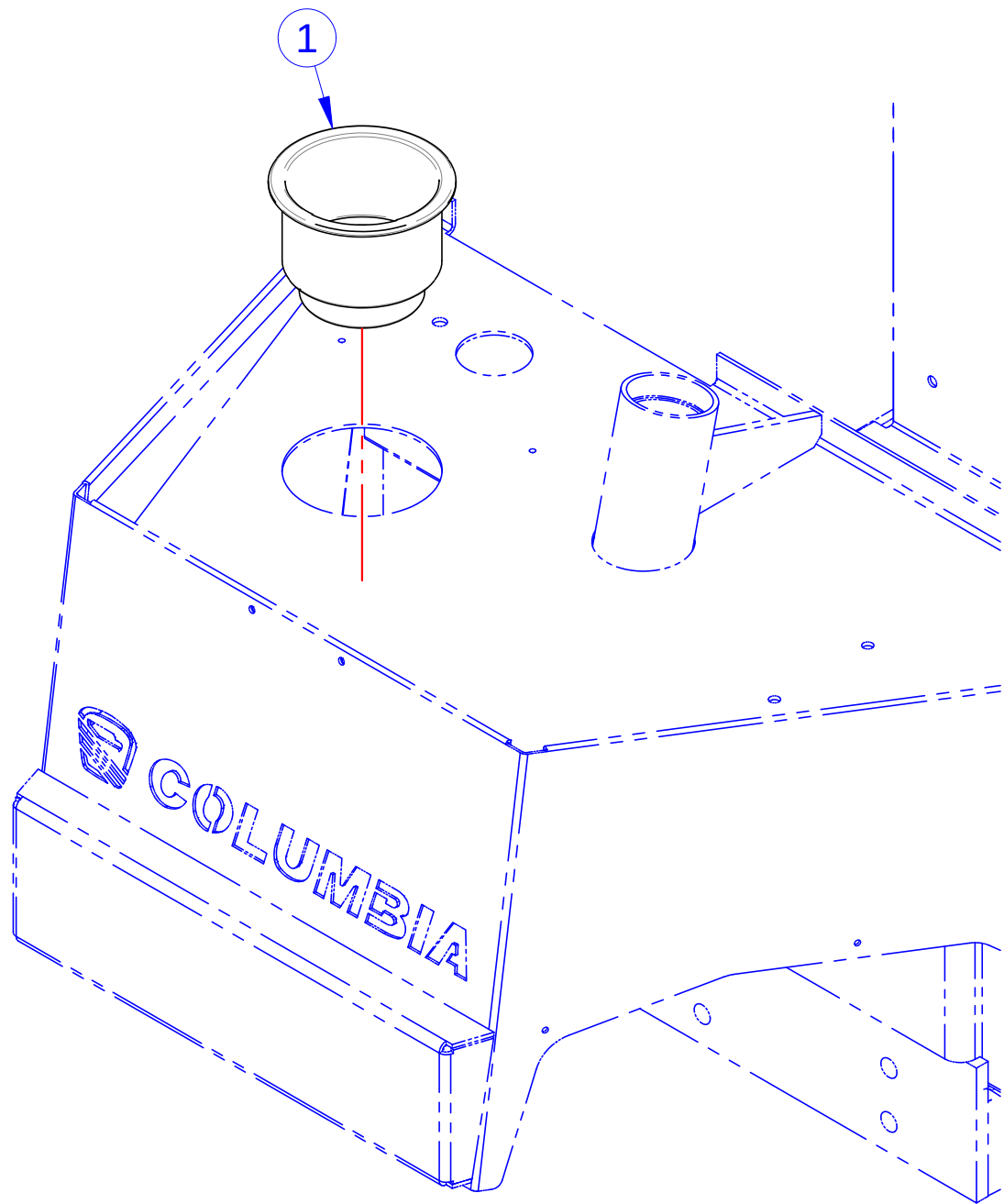
FRONT SPRING CLIP



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG761749	CLIPBOARD CLIP	1	761749
2	CVG782738	NUT, #6-32, L/N, NYL, NM, 18-8, S/S	2	782738
3	CVG782744	SCR, #6-32 X 0.5, BSHCS, 18-8, S/S	2	782744

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

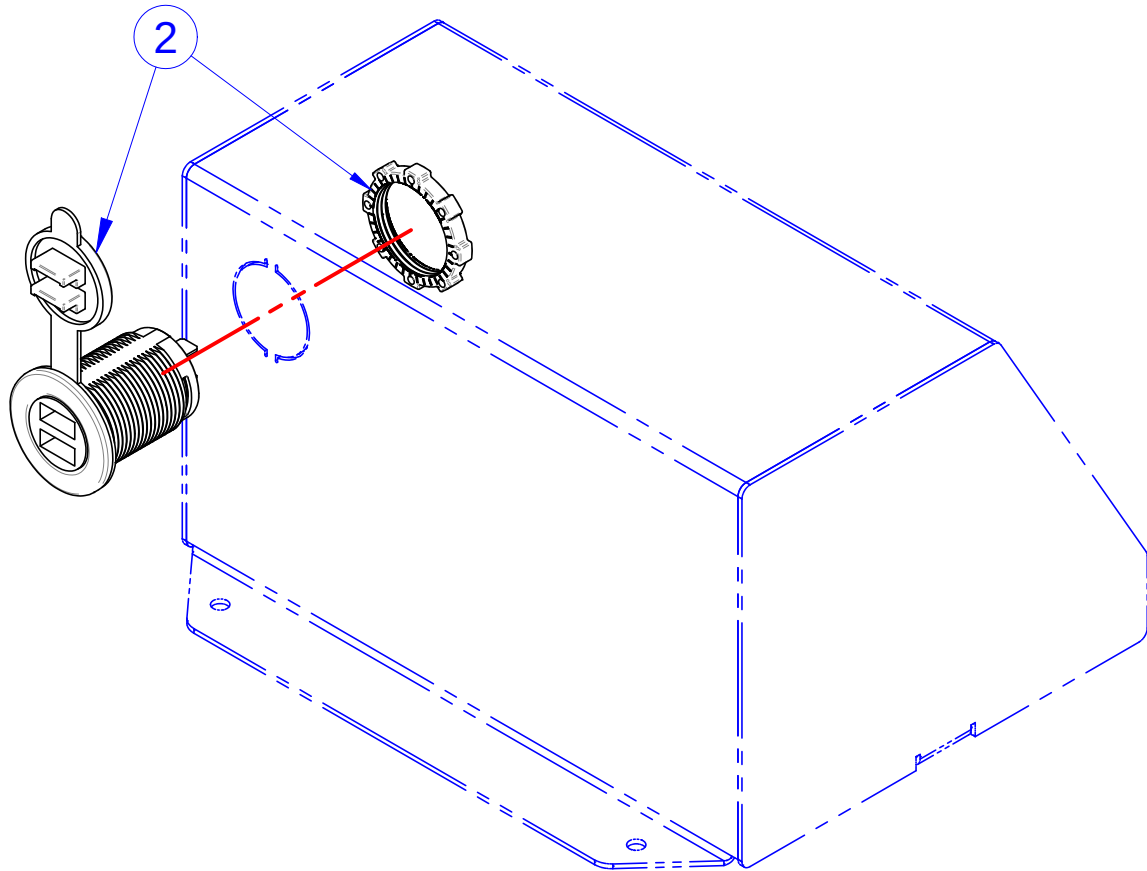
CUP HOLDER



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG729533	CUP HOLDER	1	729553

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

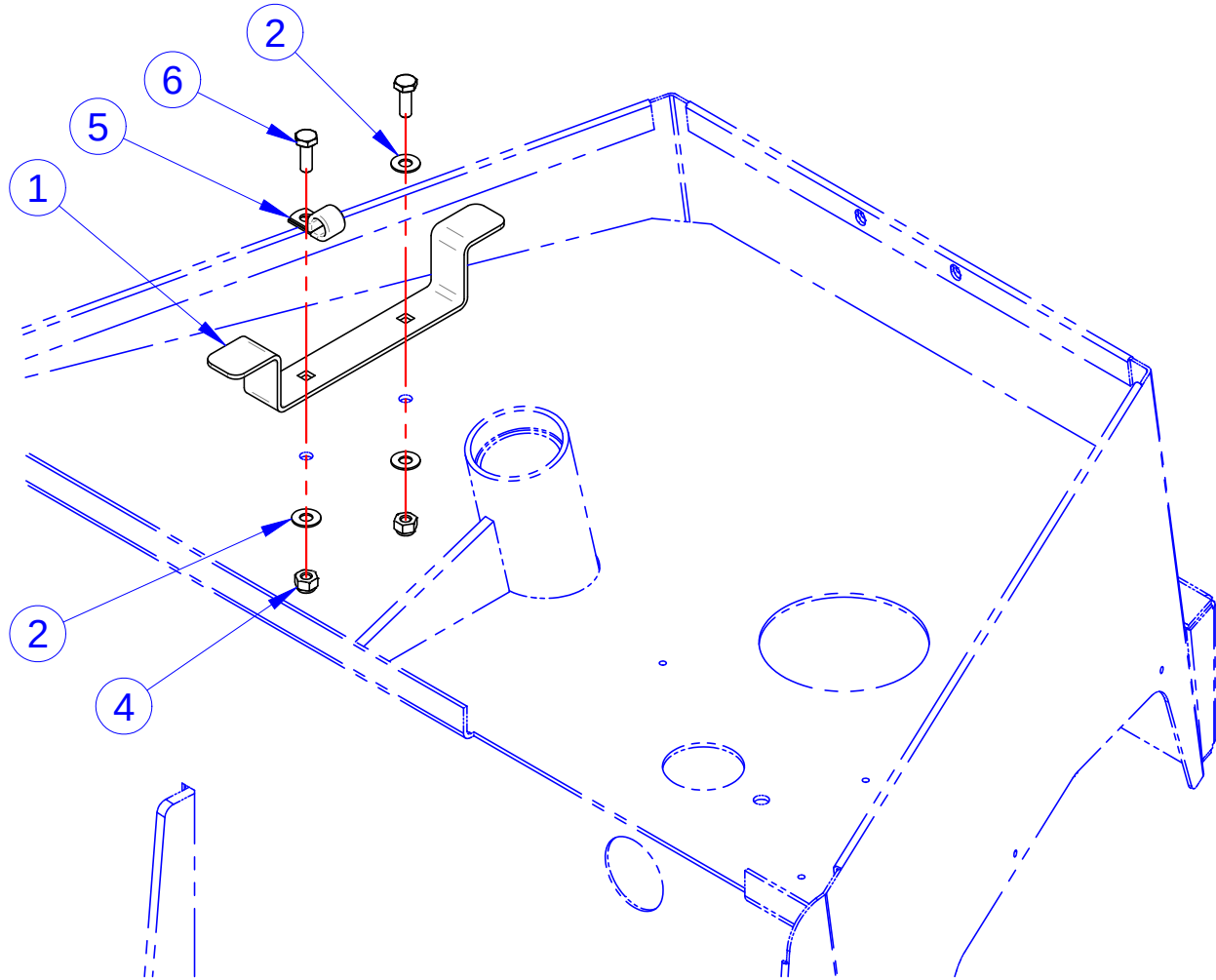
USB CHARGER PORT



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1*	CVG759748	WIRE HARNESS,12V,OUTLET	1	759748
2	CVG761729	RECEPTACLE, USB CHARGING PORT	1	761729

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

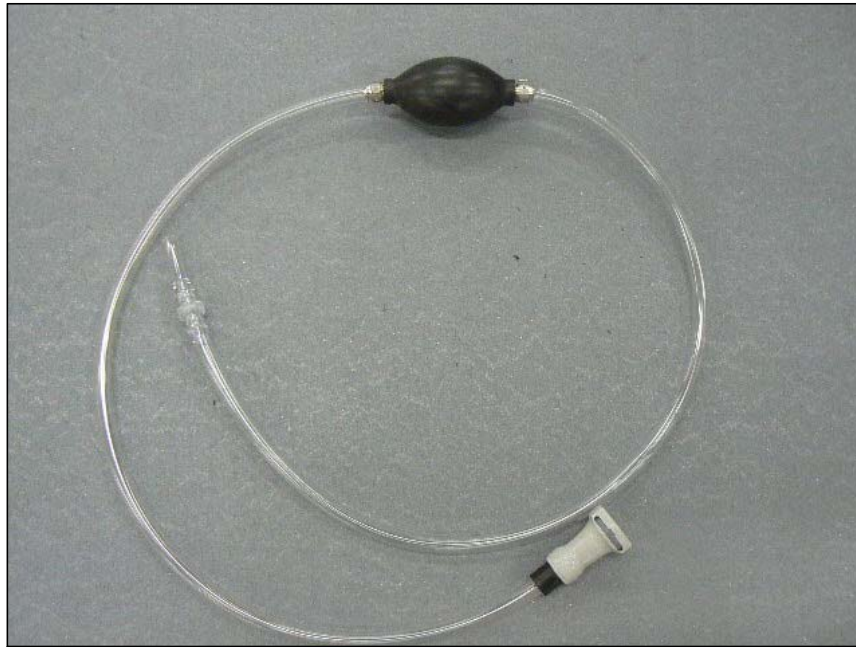
CHARGER CORD WITH CLEAT



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG511253	CORD CLEAT - EX 21	1	511253
2	CVG708511	WASHER, FLAT, 1/4", 18-8SS	3	708511
3*	CVG709890	CORD, EXTENSION, CHARGER	1	709890
4	CVG719876	NUT, 1/4-20, L/N, NYL, NE, 316, S/S	2	719876
5	CVG761186	CLAMP, 7/16", STEEL TUBE, VINYL CUSH	1	761186
6	CVG782784	SCREW, 1/4-20X3/4, HHCS, 18-8SS	2	782784

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

BATTERY WATERING SYSTEM



What is a Pro-Fill Battery Watering System?

The Pro-Fill Watering System is a new vehicle accessory that makes the difficult task of watering Golf Car and Utility Vehicle batteries elementary. The system consists of automatic shut-off valves mounted in each battery cell and interconnected with tubing. The valves replace standard vent caps. A quick coupling allows the end of the tubing to be connected to a water supply. When connected, water flows into each cell until the correct level has been reached. A flow indicator tells the operator when all the cells have been topped. The entire filling process takes just 30 seconds or less per vehicle. Pro-Fill users enjoy many benefits including the following:

- Cost Savings**
Calculate your cost savings using the Cost Justification Worksheet on the back.
- Safety**
Fill batteries without opening the vent ports. Avoid battery acid burns, ruined clothing and noxious fumes. Each Pro-Fill valve includes a built-in flame arrester to prevent spark ignition of flammable battery cell gases.
- Extend Battery Life & Performance**
A properly watered battery lasts longer and performs better. Repeated charging with low electrolyte level will result in permanent loss of battery capacity and life expectancy.
- Time saving convenience**
Snap on/off water connections and fast filling turn the often ignored task of maintaining electrolyte level into a simple, enjoyable task—one more likely to get done on a regular basis.

Available Water Supplies



"It saves us time, and time means money!"
— Ron L. Johnson, 1st Vice President
— Henry Hill Country Club

COST JUSTIFICATION

This cost analysis is typical for properly maintained golf car batteries. Installing a Flow-Rite system will produce even greater savings through longer battery life and improved battery capacity. Cost savings is just one of many benefits provided by the Pro-III Battery Watering System. See page 2 for a comprehensive listing of the features and benefits.



Number of cars in fleet =	(50 used in sample below)
Hourly Labor Rate =	(\$8.00 used in sample below)
Cost for one car:	
A. Weekly watering time, minutes	25.0
B. Labor Cost per Watering (min./60 x \$/hour)	\$3.33
C. 52 Weeks per Year (line B x 52)	\$173.16
D. Annual Cleaning of Batteries	\$6.00
E. Subtotal	\$179.16
F. List Price of Flow-Rite System	\$175.00
G. Five Year Cost Comparison for ONE Car	\$895.80
H. Cost Savings for Typical Fleet of 50 Cars = 50 x (\$895.80 - 209.65)	= 34,307.50 Five Year Fleet Savings!



Flow-Rite Controls Ltd.
960 74th Street S.W.
Byron Center, MI 49315
Phone: (616) 583-1700
Fax: (616) 878-5151
Email: sales@flow-rite.com
Web: www.flow-rite.com

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Distributed By:



ITEM	CVG PN	DESCRIPTION	QTY	REF #
1	CVG759857	BATTERY WATERING SYSTEM CAPS,48V	1	759857
2	CVG759858	BATTERY WATERING SYSTEM HAND PUMP	1	759858

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

Columbia Vehicle Group, Inc.
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