

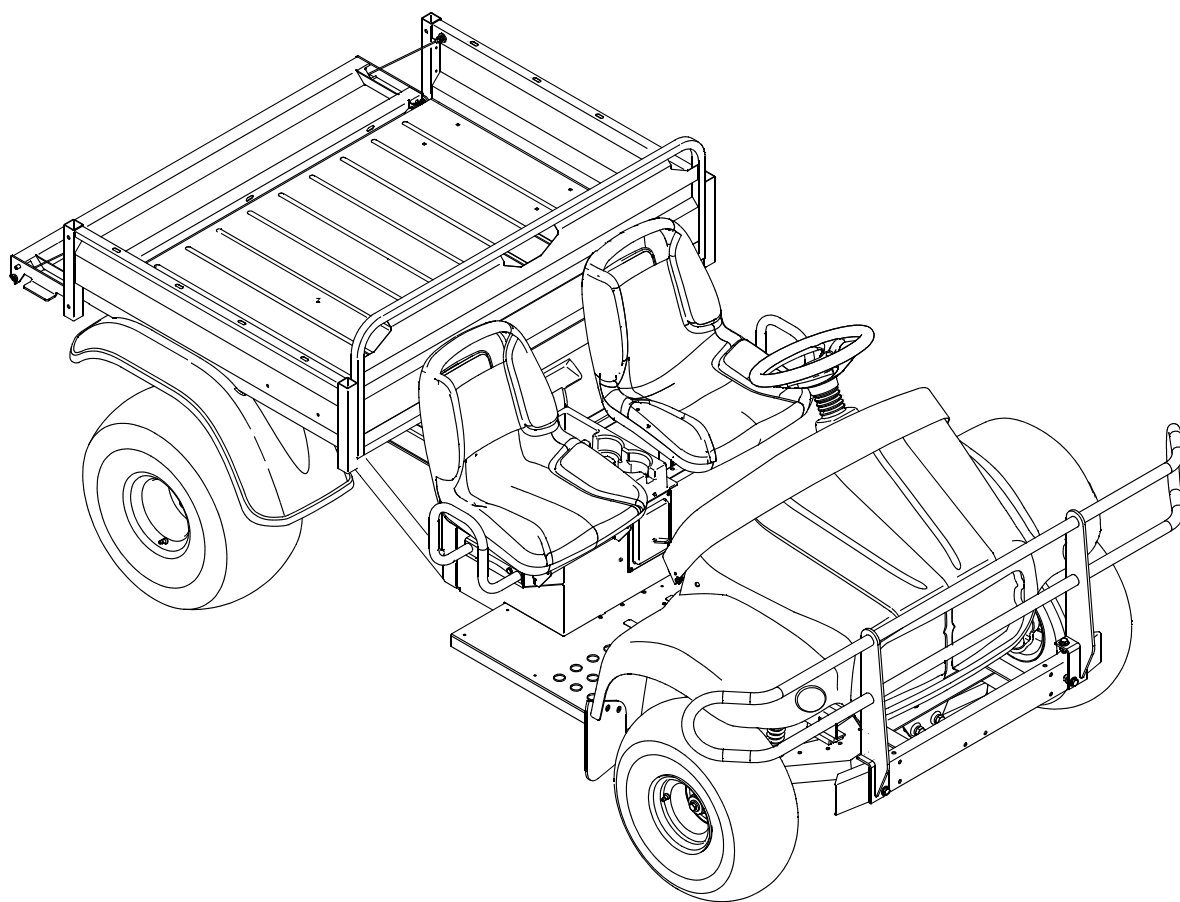
Cub Cadet

PART'S MANUAL

BIG COUNTRY 

4x2 Utility Vehicle

Model 431D

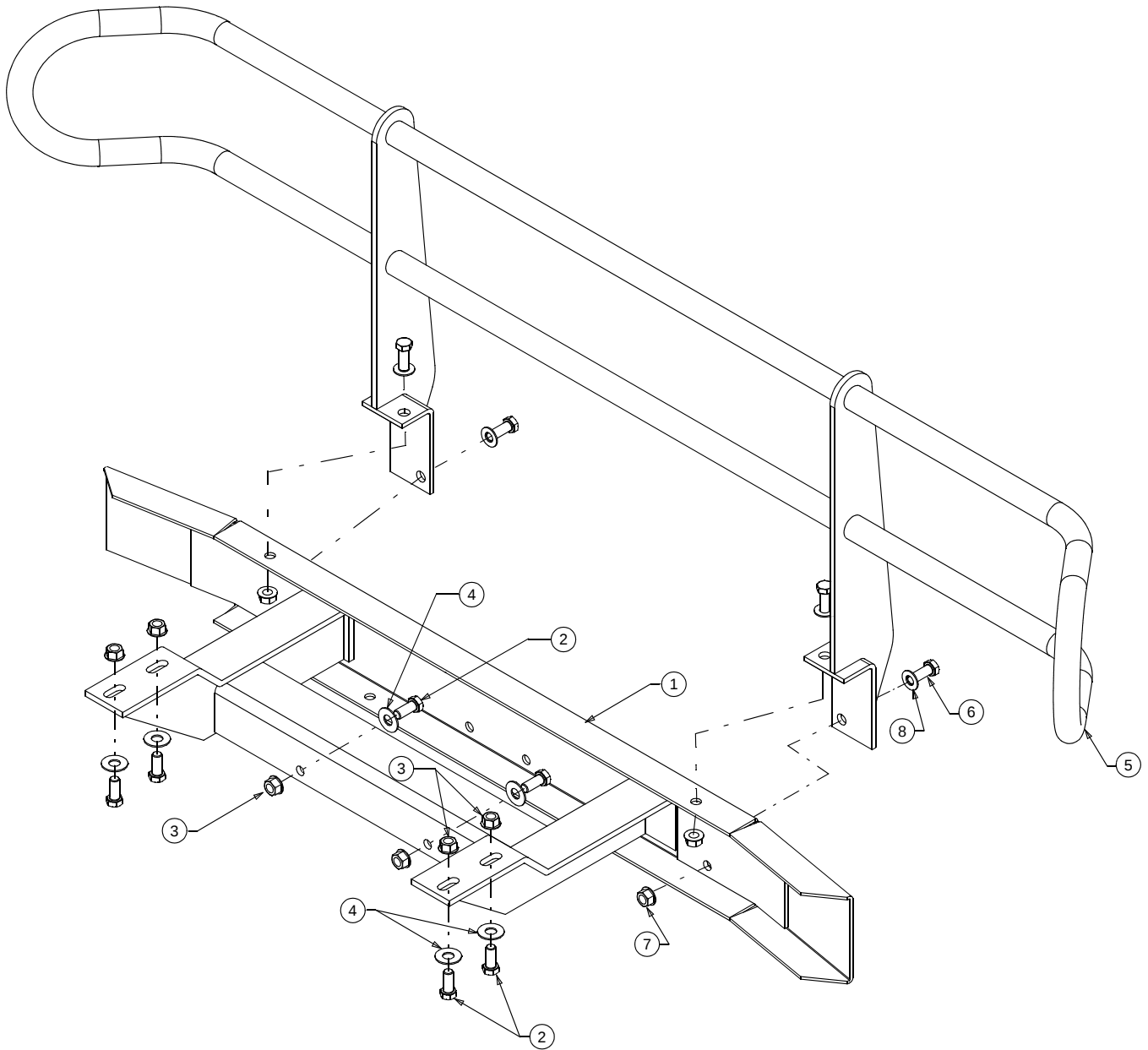


MODEL 431

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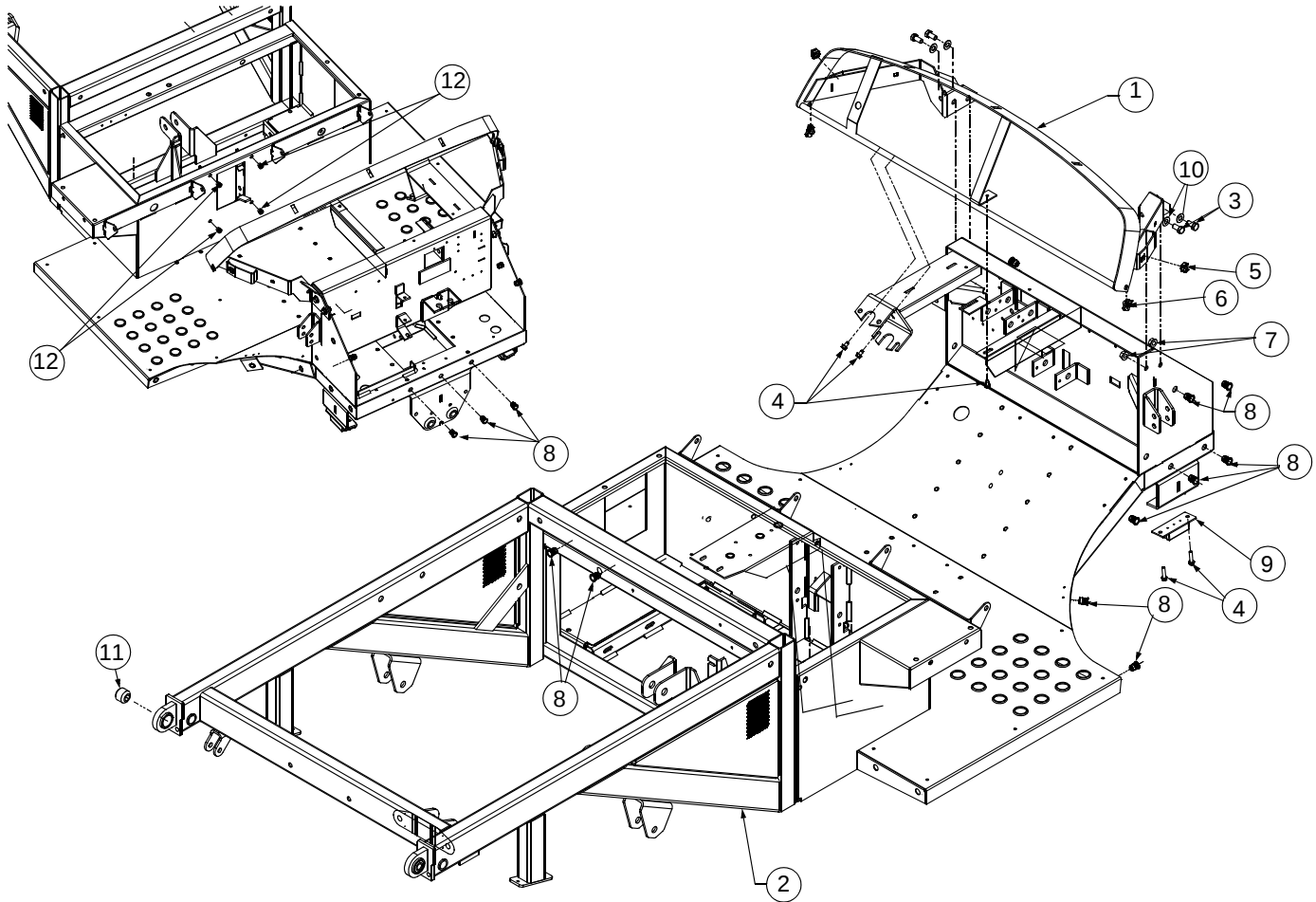
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Engine, <i>Honda</i> Model GX18K1		Transmission, <i>Tuff Torq</i> Model KT35	
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BUMPER & BRUSH GUARD



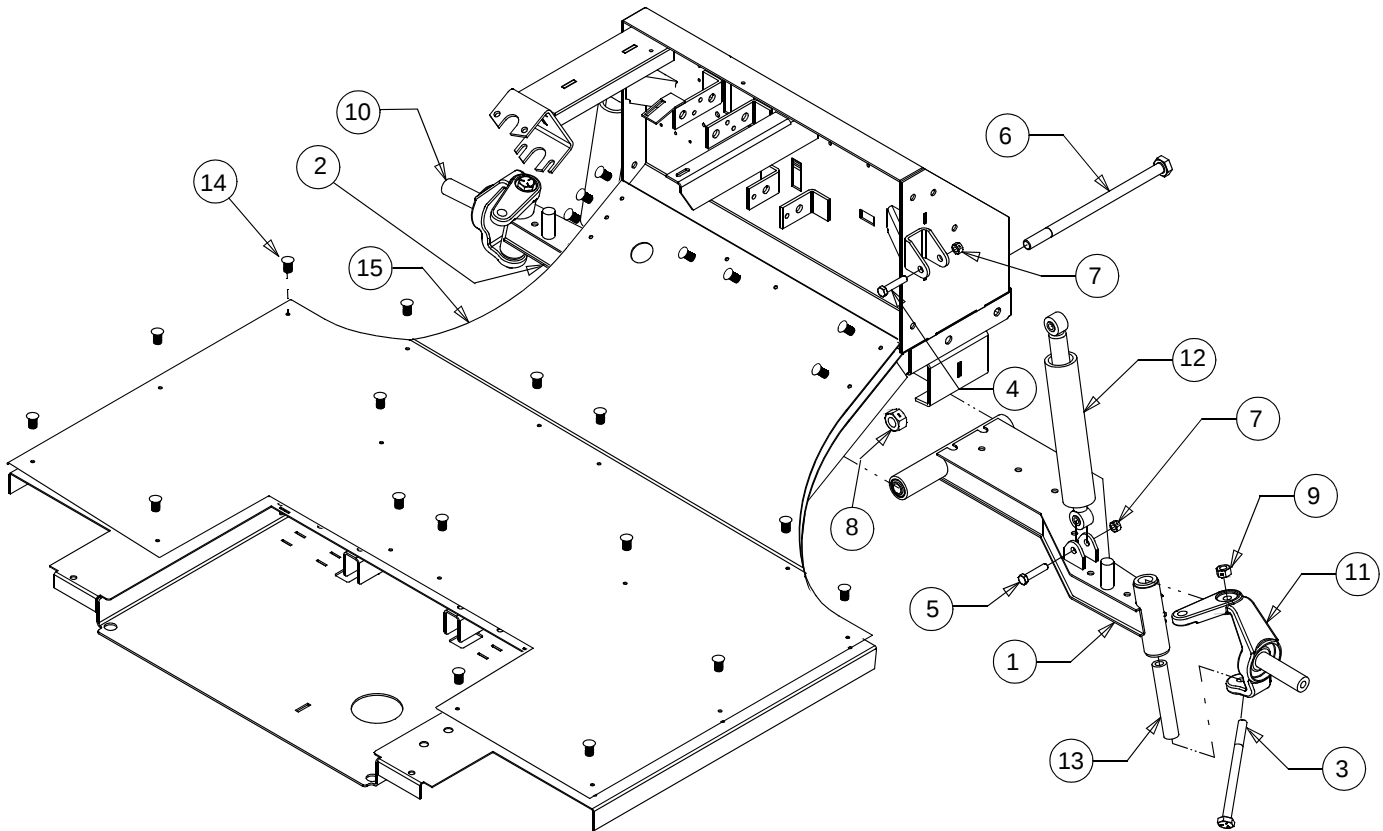
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	607-0037	Front Bumper Assembly	1
2	710-3001	Screw, Hex, 3/8-16 x .88	6
3	712-0431	Nut, Flange Lock, 3/8-16	6
4	736-04006	Washer, Flat, .444 x 1.0 x .057	6
5	607-04010	Guard, Brush	1
6	710-0514	Screw, Hex 3/8-16 x 1.00 GR 5	4
7	712-0431	Nut, Flangelock 3/8-16	4
8	736-3050	Flat Washer, .406 ID x 810 OD x .051	4

FRAME



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	607-04007A	Frame Assembly, Upper Dash	1
2	607-04026	Frame Assembly, Complete	1
3	710-0216	Screw, Hex, 3/8-16 x .75	4
4	710-0599	Screw, Self-tapping, 1/4-20 x 0.500	3
5	712-04004	Nut, Retainer, 5/16-18	2
6	712-04005	U-Nut, 1/4-20	2
7	712-0431	Nut, Flange Lock, 3/8-16	4
8	712-0703A	Nut, Insert, 5/16-18	19
9	731-04016	Bumper, Compression Extension	2
10	736-3050	Washer, Flat, .406 x 812 x .51	4
11	741-0761	Rubber Bushing, Bed Pivot	2
12	750-1261	Insert 1/4-20`	4

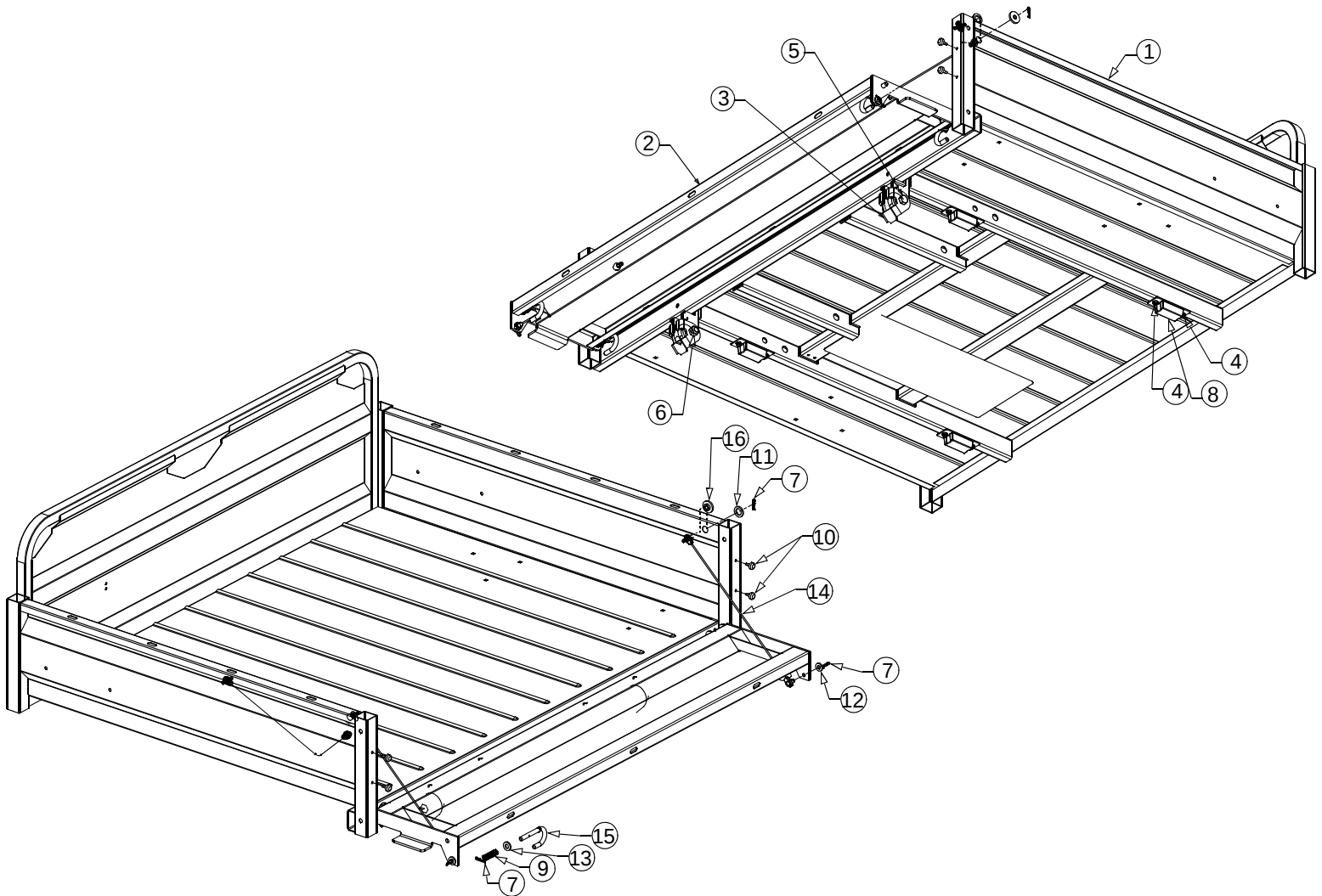
AXLE (FRONT SUSPENSION)



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	607-04004	Axle Assembly, Right-front	1
	737-04006	Grease Fitting	1
	741-0758	Bearing, .63 ID x 1.19 OD	2
	741-0762	Bushing, Steering	2
	750-1357	Spacer, .645 ID x 1.063 OD	1
2	607-04005	Axle Assembly, Left-front	1
	737-04006	Grease Fitting	1
	741-0758	Bearing, .63 ID x 1.19 OD	2
	741-0762	Bushing, Steering	2
	750-1357	Spacer, .645 ID x 1.063 OD	1
3	710-04012	Hex Screw, 1/2-13 x 6.50, Gr5	2
4	710-04023	Hex Screw, M10-1.25 x 65mm	2
5	710-04024	Hex Screw, M10-1.25 x 50mm	2
6	710-04120	Hex Screw, 5/8-11 x 11.13, Gr5	2
7	712-04006	Nut, Hex Lock, Nylon, M10 -1.25	4
8	712-3016	Nut, Hex Lock, Nylon, 5/8-11, Gr5	2
9	712-3022	Nut, Hex Lock, 1/2-13	2
10	723-0618	Steering Control Knuckle, RH	1
11	723-0619	Steering Control Knuckle, LH	1
12	732-04069	Shock Absorber, 2.9 Stroke	2
13	750-1388	Tube, .875 x .50 x 4.75	2
—	737-0168	Grease, Alvania, EP Lead-Free	*
14	726-0465	Clip, Retainer	23
15	735-04001	Floor Mat	2

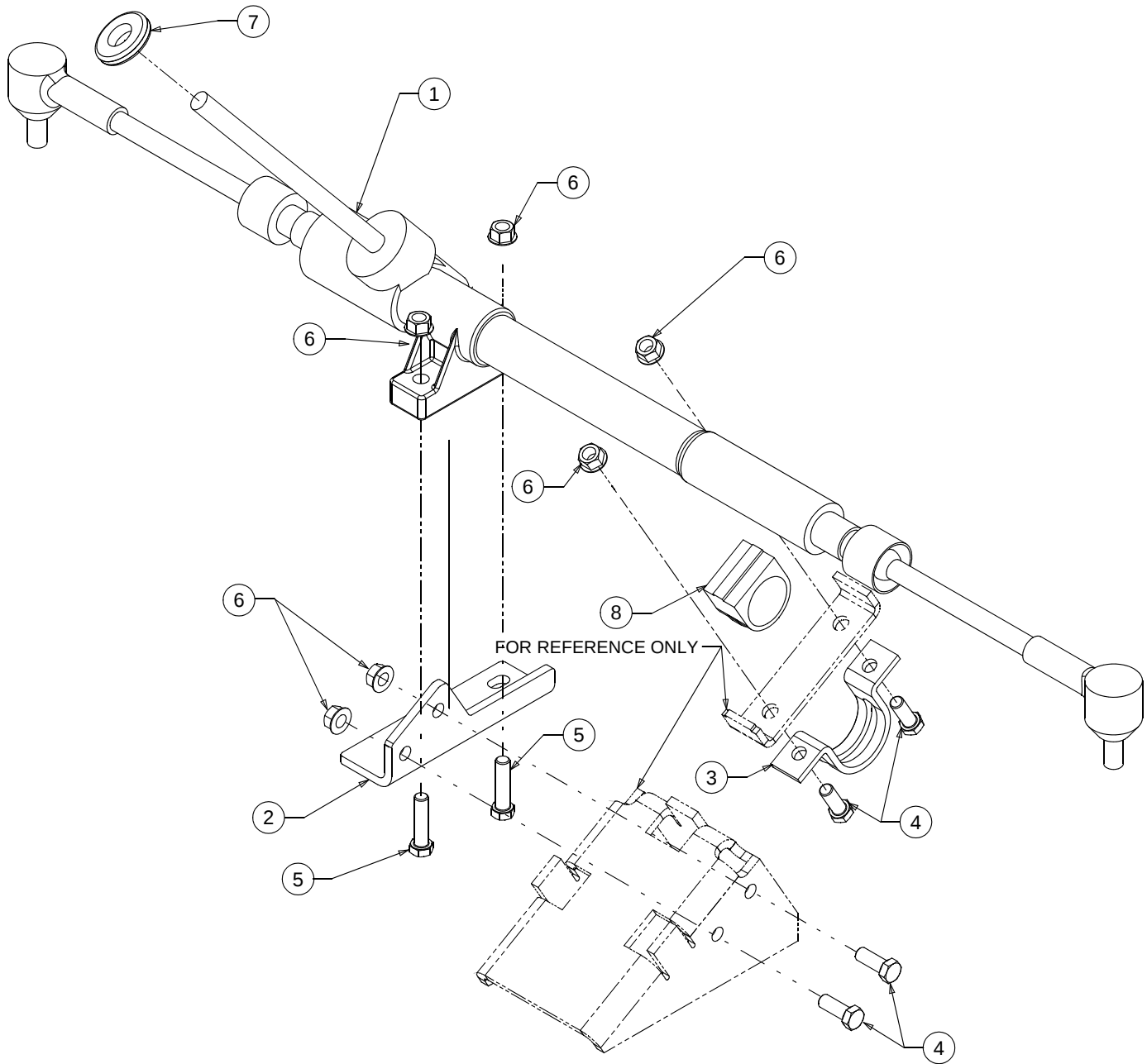
* .5 oz. per pivot arm

BED



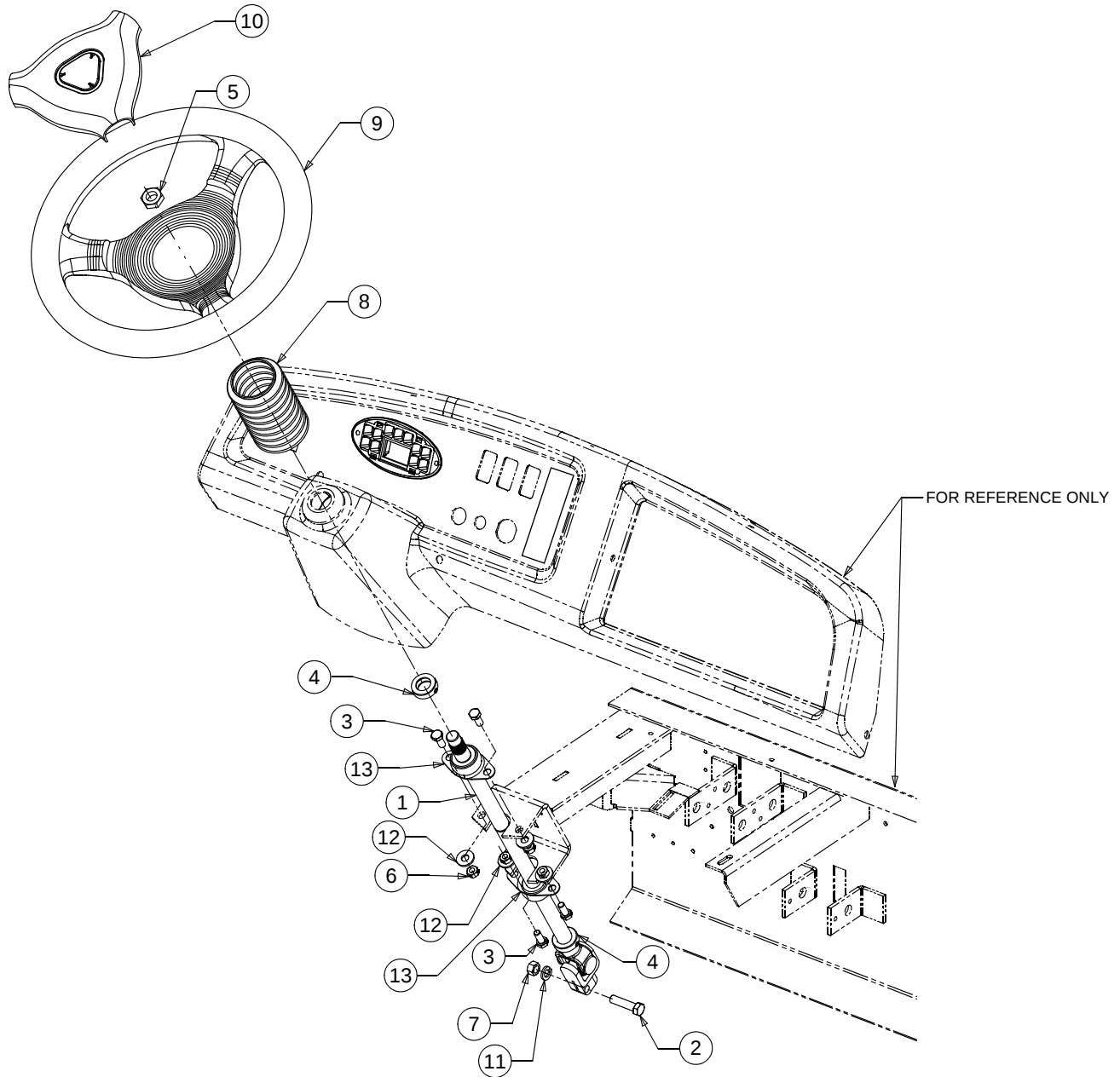
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	607-04021	Bed Assembly, Utility	1
2	607-04028	Tailgate Assembly	1
3	707-04216	Bracket, Stop	2
4	710-0599	Screw, Self-tapping, 1/4-20 x 0.500	8
5	710-3233	Screw, Hex 1/2-13 x 2.50 GR5	2
6	712-3022	Nut, Hex Lock, 1/2-13	2
7	714-0104	Cotter Pin, .072Dia x 1.13LG	8
8	731-04016	Bumper, Extension Suspension	4
9	732-0306	Compression Spring, .406 x .531 x 1.75 LG	4
10	735-0271	Bumper, .62Dia x .3	4
11	736-0162	Washer, Flat, .64 ID x 1.0 x .12	2
12	736-3008	Washer, Flat, .344 x .750 x .120	2
13	736-3010	Washer, Flat, .407 x .812 x .135 HDN	4
14	746-0968	Cable, Lift 16.16 LG	2
15	747-1116	Handle, Deck Release	4
16	748-0331	Spacer, Shoulder .625 Dia x .324 Dia	2

STEERING (LOWER)



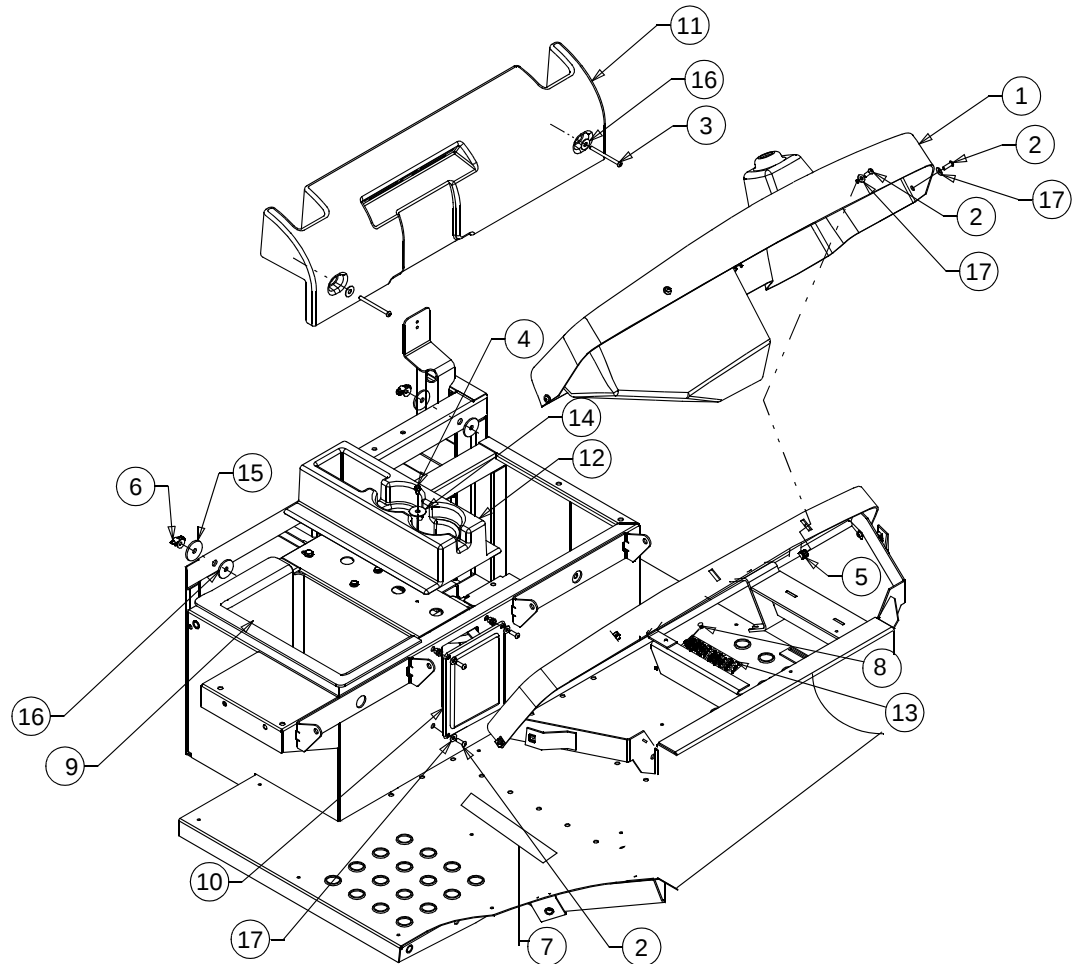
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	617-0075A	Gear Assembly, Steering	1
2	707-04074	Steering Bracket, Sector Clamp	1
3	707-0417	Bracket, Steering Mounting	1
4	710-0514	Hex Screw, 3/8-16, 1.00, Gr5	4
5	710-0520	Hex Screw, 3/8-16, 1.50, Gr5	2
6	712-0431	Nut, Flange Lock, 3/8-16	6
7	735-0801	Grommet, Steering Shaft	1
8	741-0763	Bushing, Rubber	1

STEERING (UPPER)



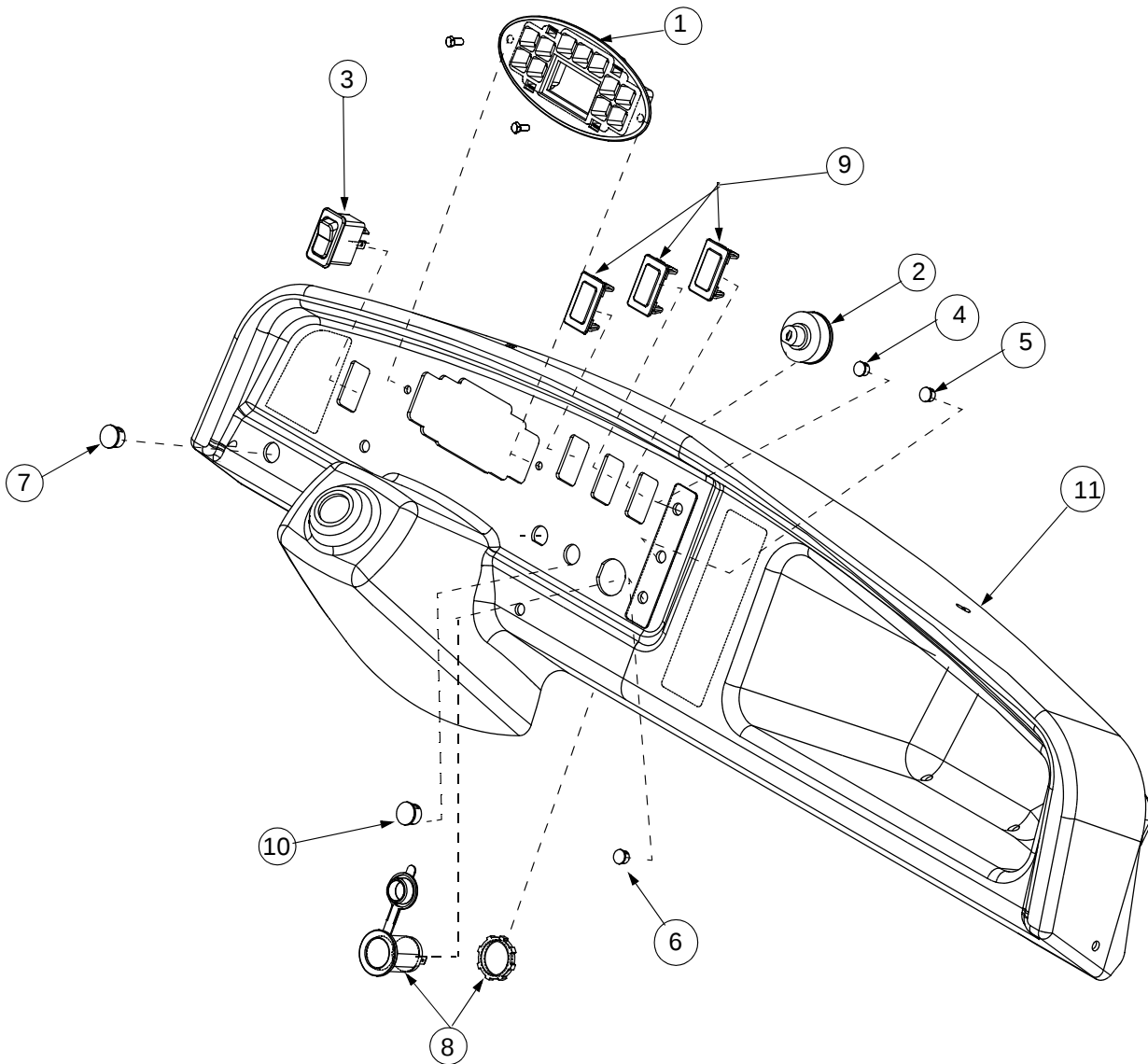
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	623-0027	Shaft Assembly, Steering	1
2	710-0520	Hex Screw, 3/8-16, 1.50, Gr5	1
3	710-3008	Hex Screw, 5/16-18, .75, Gr5	4
4	711-1774	Collar, .75	2
5	712-04001	Nut, Hex, M16-2, Class 8	1
6	712-3009	Nut, Hex Lock, 5/16-18	4
7	712-3017	Nut, Hex, 3/8-16, Gr8	1
8	731-0954	Bellow, Steering, 4.75 Lg	1
9	731-2848	Steering Wheel, Three-spoke	1
10	731-3210	Cover, Steering Wheel	1
11	736-0169	Washer, Lock, 3/8, Regular Duty	1
12	736-0262	Washer, Flat, .385 ID x .870 OD x .092	4
13	741-04000	Bearing, Flange, .75 ID, Self-Aligning	2

TRIM PANELS



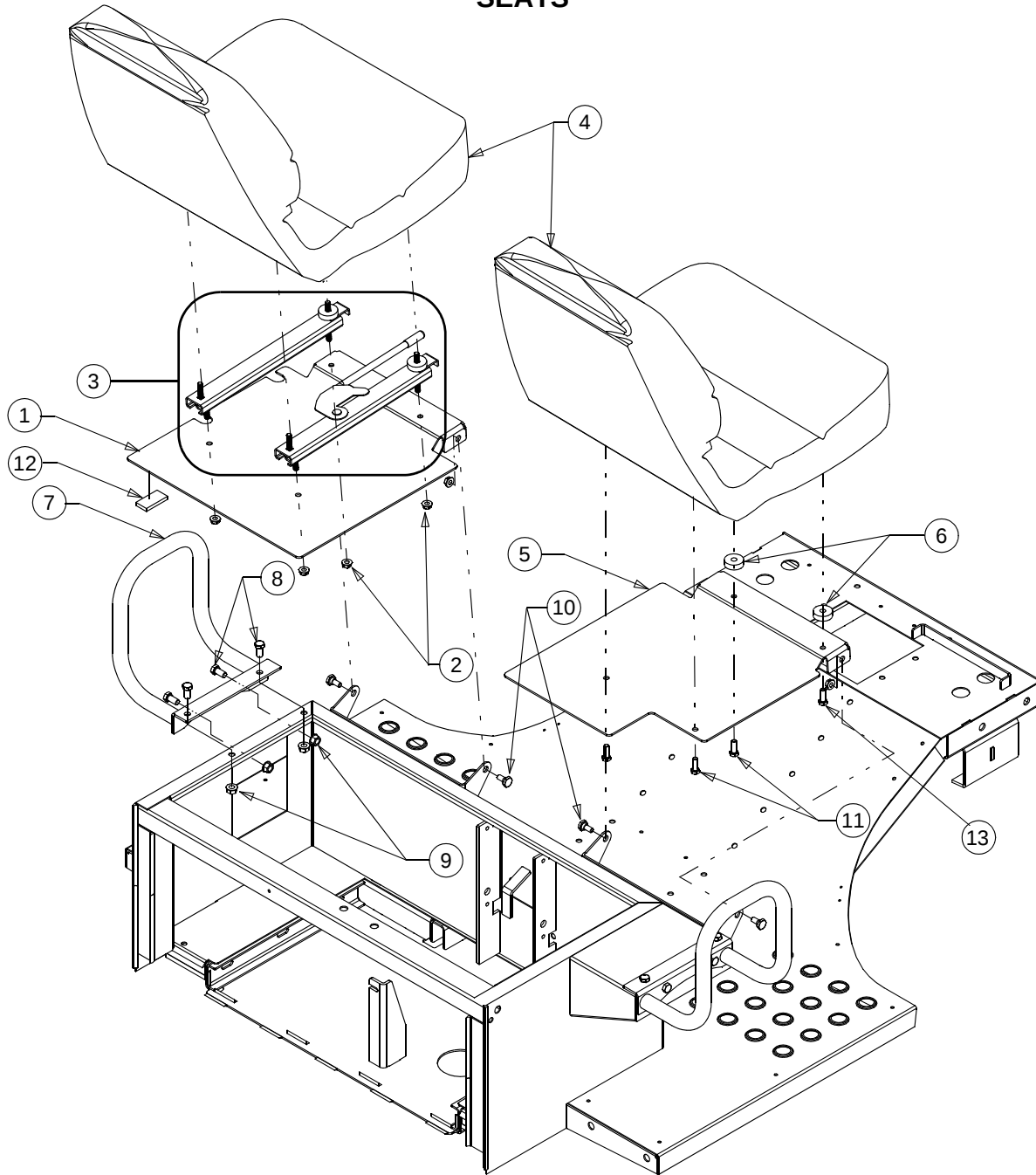
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	631-04043	Dash Assembly, Differential Lock	1
2	710-04064	Screw, 1/4-20 x .75	8
3	710-04066	Screw, 1/4-20 x 3.0	2
4	710-0599	Screw, Self-tapping, 1/4-20 x 0.500	1
5	712-04013	Nut, Retainer, 1/4-20	2
6	712-0397	Wing Nut, 1/4-20 (w/ Bell Washer)	2
7	723-04014	Anti SkidFoot Pad	4
8	726-0465	Retainer Clip .250 x .267	4
9	731-04033A	Tool Box	1
10	731-04225	Panel, Shift Cover	1
11	731-04317	Panel, Airbox Cover	1
12	731-2648	Console, Cup Holder	1
13	735-04029	Pad, Foot	1
14	736-04004	Flat Washer, .350 x 1.25 x .06	1
15	736-04017	Washer, Rubber, .375 x 1.5 x 1.25	2
16	736-0195	Washer, Flat, .3125 x .875 x .04	2
17	736-3020	Washer, Flat, .271 x .630 x .065	8

DASH PANEL



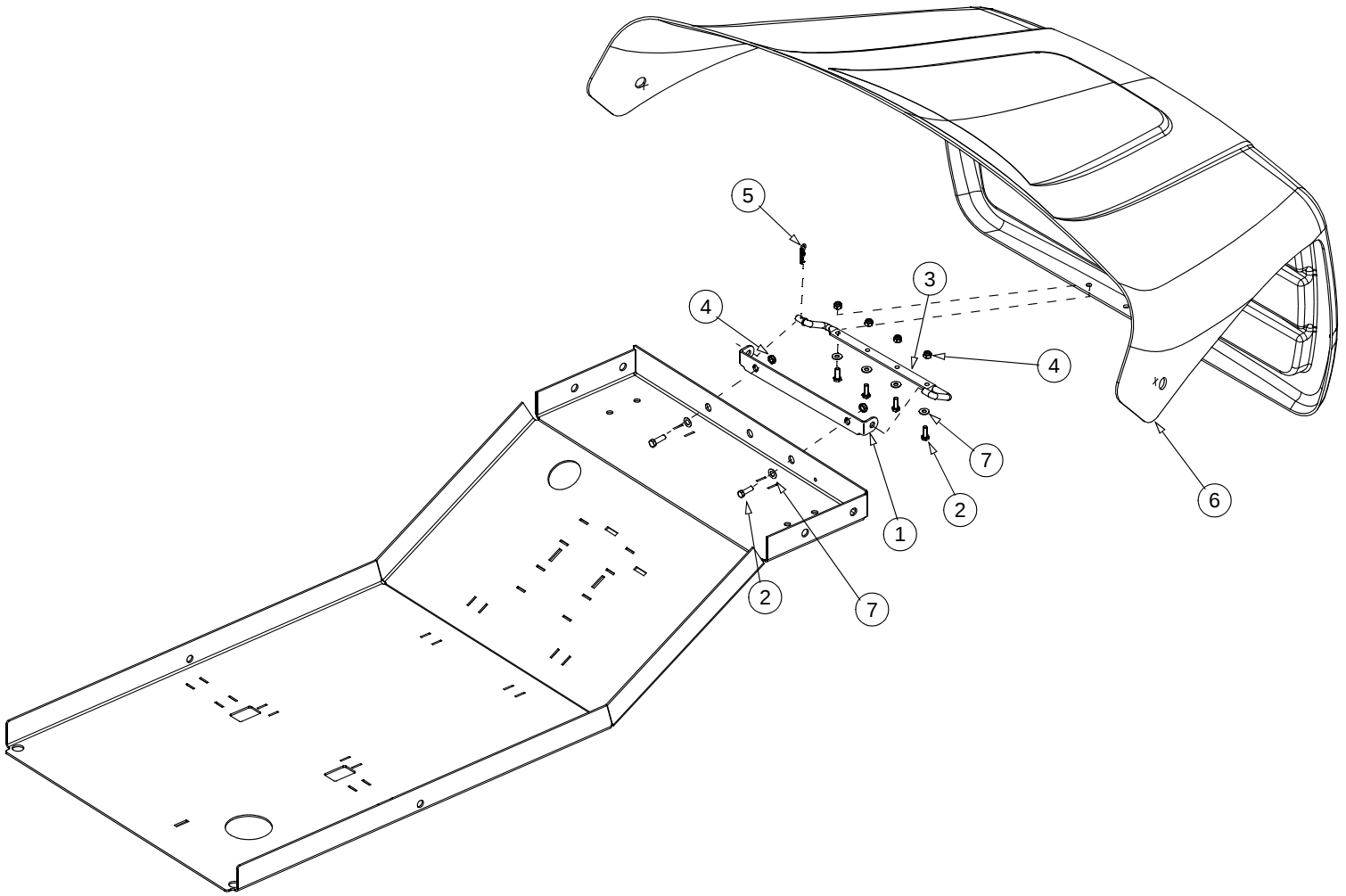
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	625-04006	Instrument Panel	1
2	725-04000	Switch, Key	1
3	725-04006	Rocker Switch, Headlight	1
4	725-04060	Switch, Green	1
5	725-04061	Switch, Yellow	1
6	725-04062	Switch, Red	1
7	725-04071	Switch, Diff-Lock	1
8	725-2003	Receptacle, Power, 12v	1
9	731-04010	Switch	3
10	731-04023	Plug, Horn Switch	2
11	731-04270	Dash Panel	1

SEATS



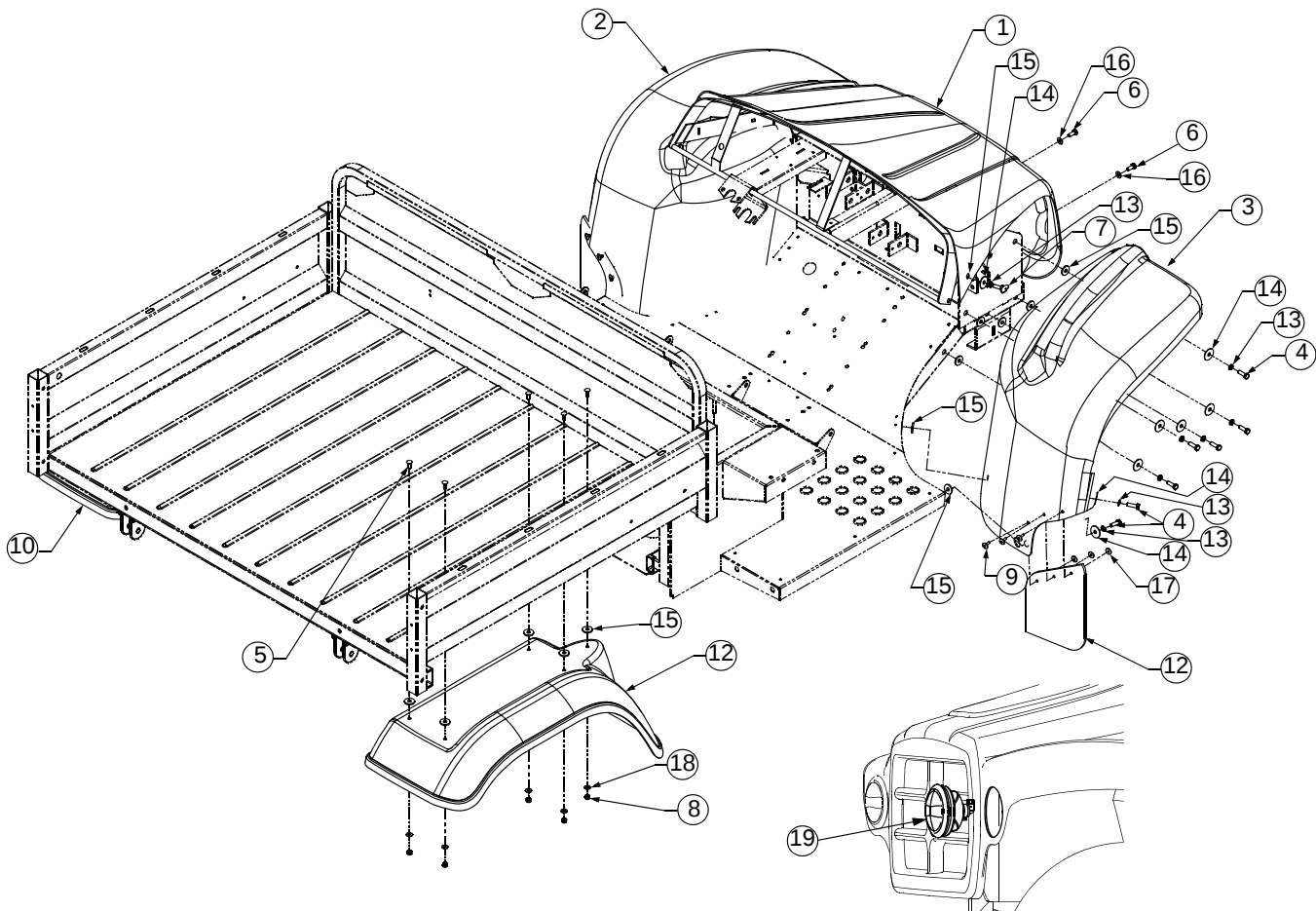
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	607-0023	Plate, Seat, LH	1
2	712-3004A	Nut, Flange Lock, 5/16-18, Gr5	8
3	757-0389	Track Assembly, Seat	1
4	757-04008	Seat	2
5	607-0022	Plate, Seat, RH	1
6	750-04023	Spacer, Seat	4
7	649-04002	Tube Assembly, Grab Handle	2
8	710-0216	Hex Screw, 3/8-16 x .75, Gr5	8
9	712-0431	Nut, Flange Lock, 3/8-16	12
10	738-0140	Shoulder Screw, .435 x .178-5/16 x .56	4
11	710-3025	Hex Screw, 5/16-18 x .625, Gr5	2
12	735-0271	Bumper .62 Dia x .3	3
13	710-0376	Hex Screw 5/16-18 x 1.00 Gr 5	2

HOOD



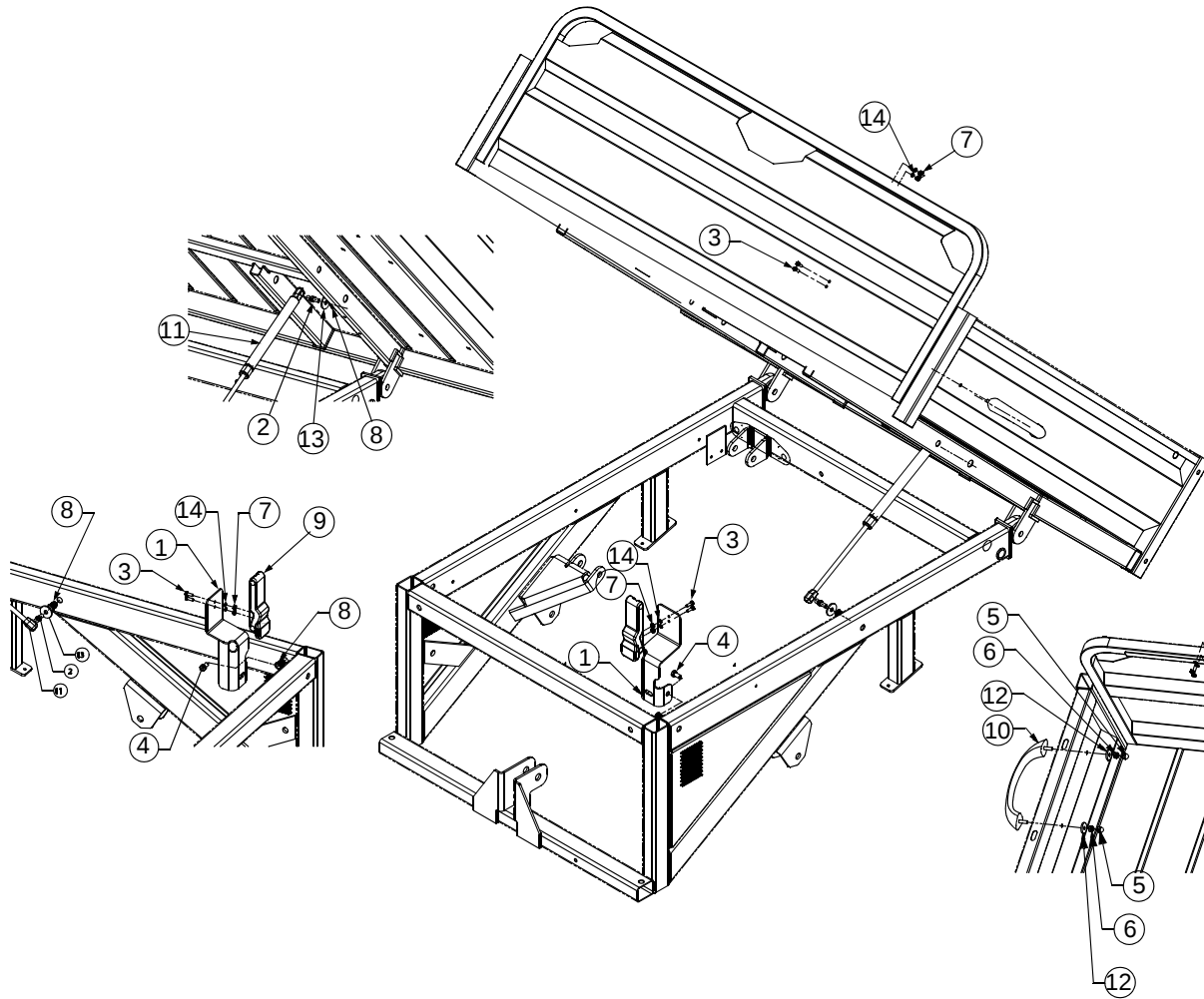
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	707-04165	Mounting Bracket, Hood	1
2	710-3015	Hex Screw, 1/4-20, .75, Gr5	4
3	711-04139	Rod Mounting Hood	1
4	712-0324	Nut, Nylon Hex Lock, 1/4-20, Gr8	4
5	714-0101	Cotter Pin	1
6	731-04374	Panel, Hood	1
7	736-3020	Washer, Flat, .271 x .630 x .065	4
—	631-04039	Panel Assembly, Hood	—

FENDERS



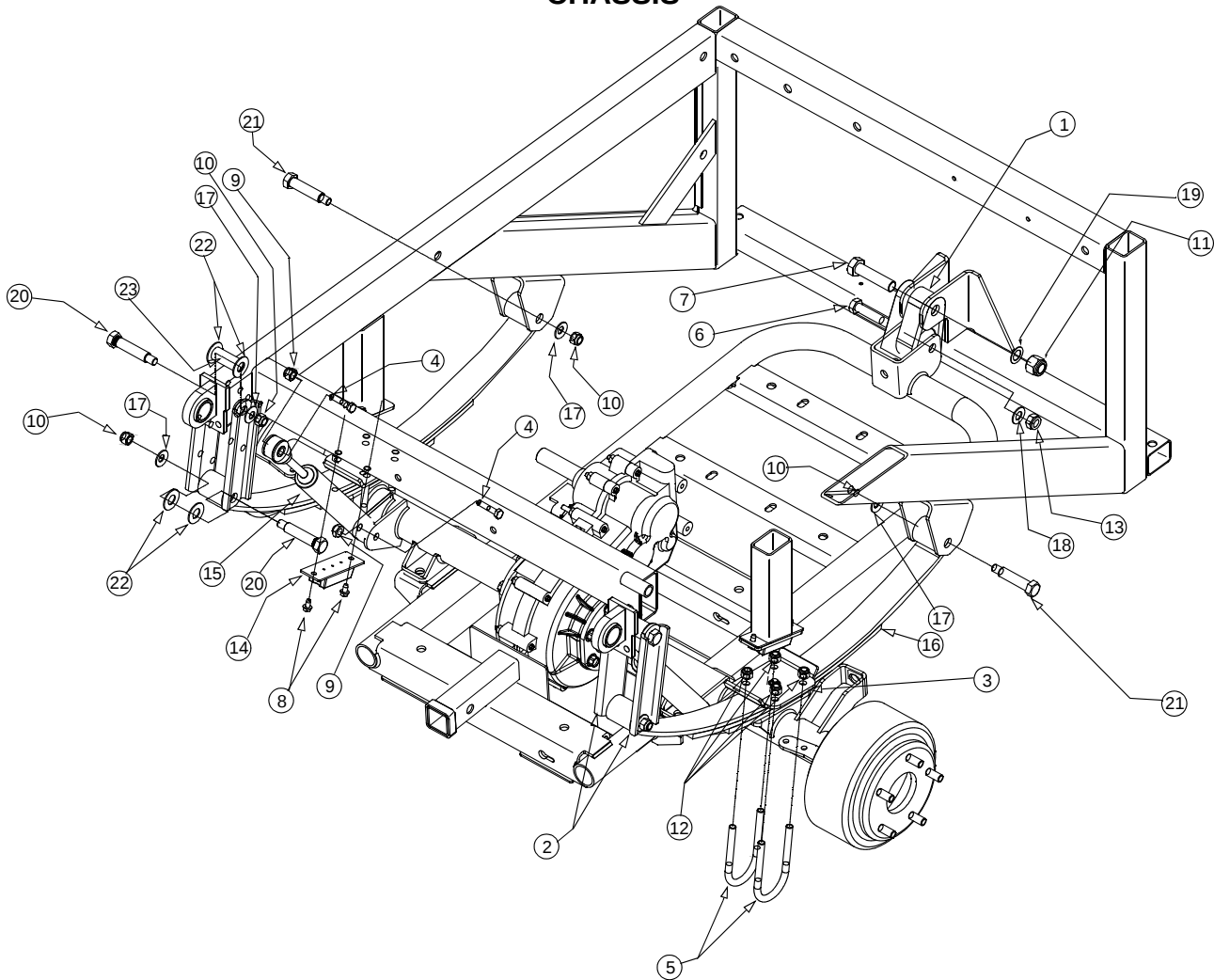
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	731-04524	Panel, Hood	1
2	731-04517	Panel, Front Fender, LH	1
3	731-04516	Panel, Front Fender, RH	1
4	710-0376	Hex Screw, 5/16-18 x 1.0 Gr5	14
5	710-0703	Hex Screw, 1/4-20 x .75	10
6	710-3008	Hex Screw, 5/16-18 x .75 Gr5	2
7	710-3232	Screw, Thumb 5/16-18	2
8	712-0324	Hex Lock Nut, Nylon, 1/4-20	10
9	728-04004	Rivet, Pop	6
10	731-04521	Panel, Rear Fender, LH	1
11	731-04520	Panel, Rear Fender, RH	1
12	736-04003	Flap, Mud	2
13	736-0119	Lock Washer, 5/16	16
14	736-04004	Flat Washer, .350 x 1.25 x .06	16
15	736-04008	Washer, Rubber, .310 x 1.0 x .125	26
16	736-0275	Flat Washer, .44 x .688 x .65	2
17	736-0400	Flat Washer, .194 x .62 x .063	6
18	736-3020	Flat Washer, .271 x .630 x .065	10
19	625-04017	Headlight Assembly	2

BED LIFT



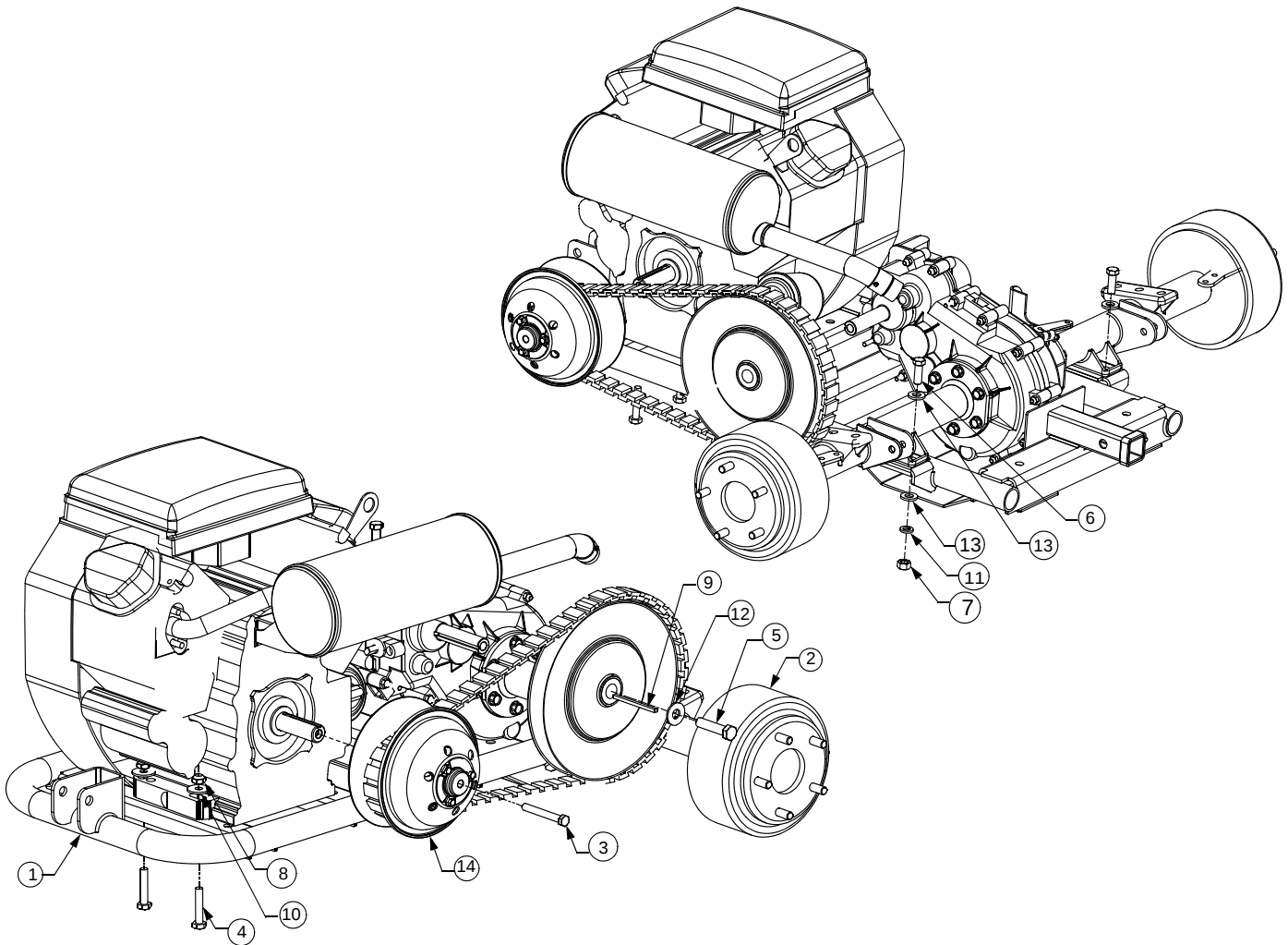
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	707-04060	Bracket, Bed Latch Base	1
2	710-04166	Stud, Ball 5/16-18	2
3	710-0899A	Screw, Hex Sems, #10-32 x .62, Gr5	4
4	710-3025	Hex Screw, 5/16-18 x .625, Gr5	1
5	712-0264	Nut, Acorn 1/4-20 w/o Lock	2
6	712-0324	Nut, Hexlock, 1/4-20	2
7	712-0349	Hex Nut, 10-32	4
8	712-0703A	Nut, Insert 5/16-18	3
9	726-04005	Latch	1
10	731-04174	Handle, Bag w/Screw	1
11	732-04109	Spring, Gas .91 Stroke	1
12	736-0176	Washer, Flat .265 x .938 x .120	2
13	731-0231	Washer, Flat .34 ID X1.125 OD x .12	2
14	736-0722	Washer, Lock, #10	4

CHASSIS



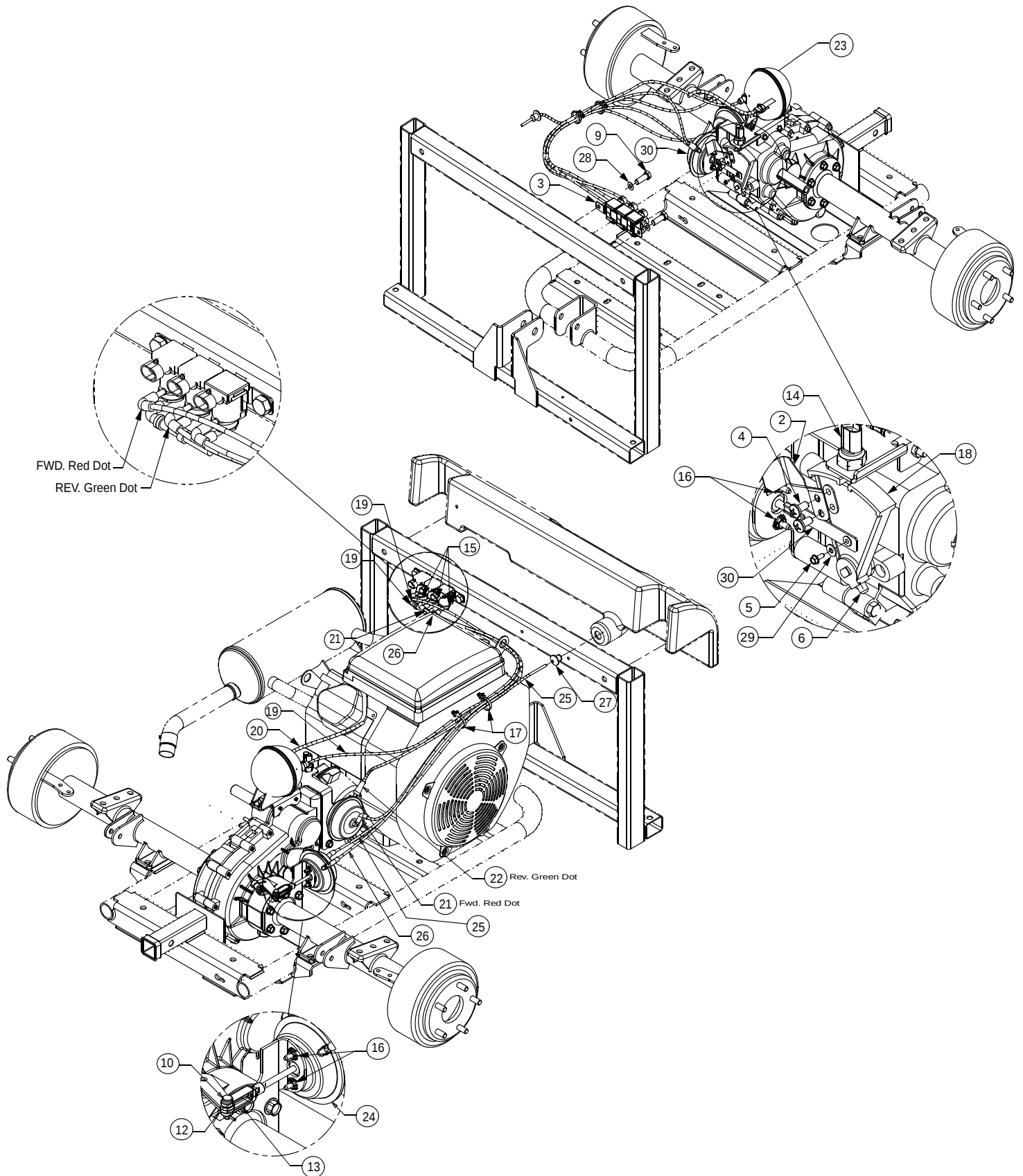
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	607-04025	Link Assembly	1
2	707-04119	Plate, Shackle	1
3	707-04120A	Bracket, Spring Leaf	2
4	710-04024	Hex Screw, M10-1.25	4
5	710-04119	U-Bolt 3/8-16	4
6	710-04128	Hex Screw, M12-1.75	1
7	710-04129	Hex Screw, 5/8-11 x 2.5	1
8	710-0599	Screw, Self Tapping 1/4-20	4
9	712-04006	Locknut, M10 x 1.25	4
10	712-04049	Hexlock Nut	6
11	713-3016	Hexlock Nut, 5/8 - 11	1
12	712-0130	Hexlock Nut, 3/8-16	8
13	712-3103	Hexlock Nut, M12 x 1.75	1
14	731-04016	Bumper, Suspension	2
15	732-04043	Shock Absorber, 2.50 Stroke	2
16	732-04055	Spring, Leaf 4 x 2	2
17	736-0407	Bell Washer, .45 x 1.00 x .062	6
18	736-0272	Flat Washer, .510 x 1.00 x .060	1
19	736-0494	Flat Washer, .632 x 1.00 x .035	1
20	738-04035	Shoulder Screw, .550 x 2.290	4
21	738-04042	Shoulder Screw, .550 x 2.13	2
22	741-0405	Bearing, .56 ID x 1.25 OD x .06	8
23	750-4137	Bushing, .75 OD x .562 ID x 1.75 LG	2

ENGINE & TRANSMISSION CRADLE

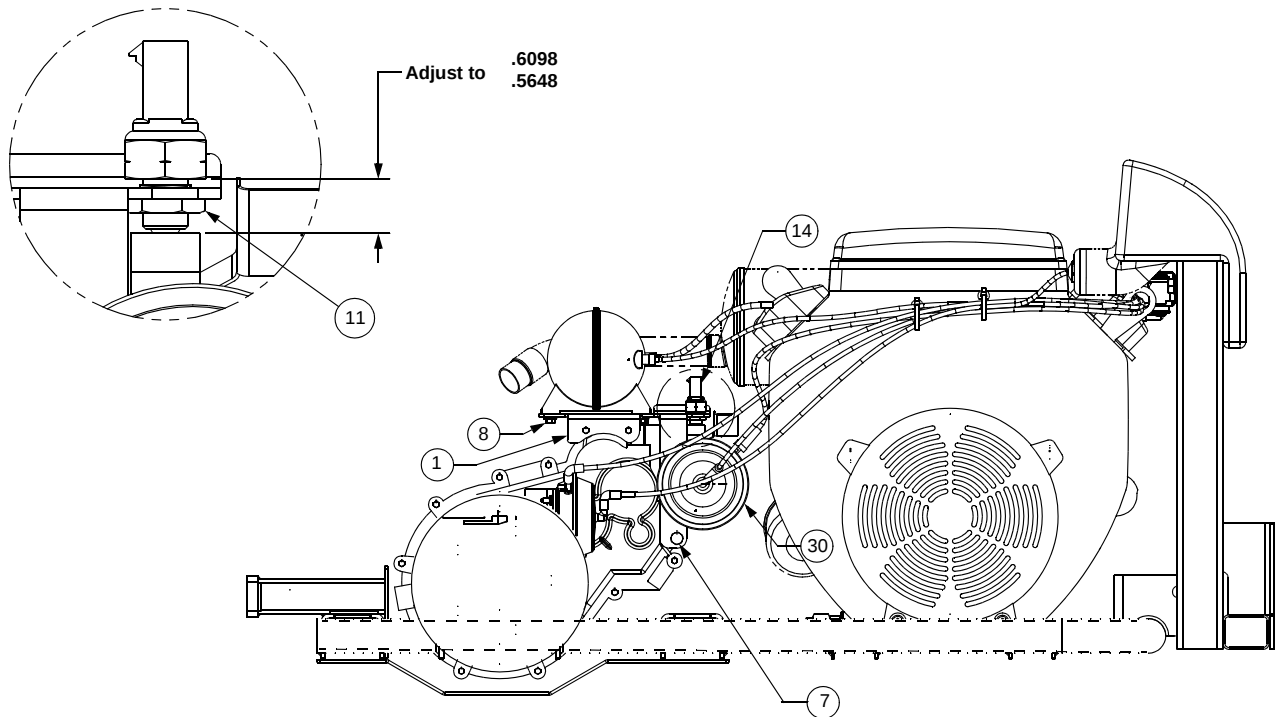


REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	607-04022	Engine/Trans. Cradle	1
2	618-04080	Transmission Ass'y, Diff-Lock	1
3	710-04019	Hex Screw, 3/8-24 x 3.00	1
4	710-04024	Hex Screw, M10-1.25	4
5	710-04167	Hex Screw, 1/2-20 x 2.25	1
6	710-3029	Hex Screw, 7/16-20 x 1.25	4
7	712-0378	Nut, Hex 7/16-20	4
8	712-04006	Nut, Nylon Lock, M10-1.25	4
9	714-04030	Key, Square 1875 x 3.25	1
10	736-0133	Washer, Flat, .510 x 1.00 x .125	8
11	736-0171	Washer, Lock 7/16	4
12	736-04019	Washer, Flat, .531ID x 1.25 OD x .181	1
13	736-0326	Washer, Flat, .510 x 1.00 x .125	8
14	618-04062	Clutch Assembly, Engine	1

SHIFTER ASSEMBLY

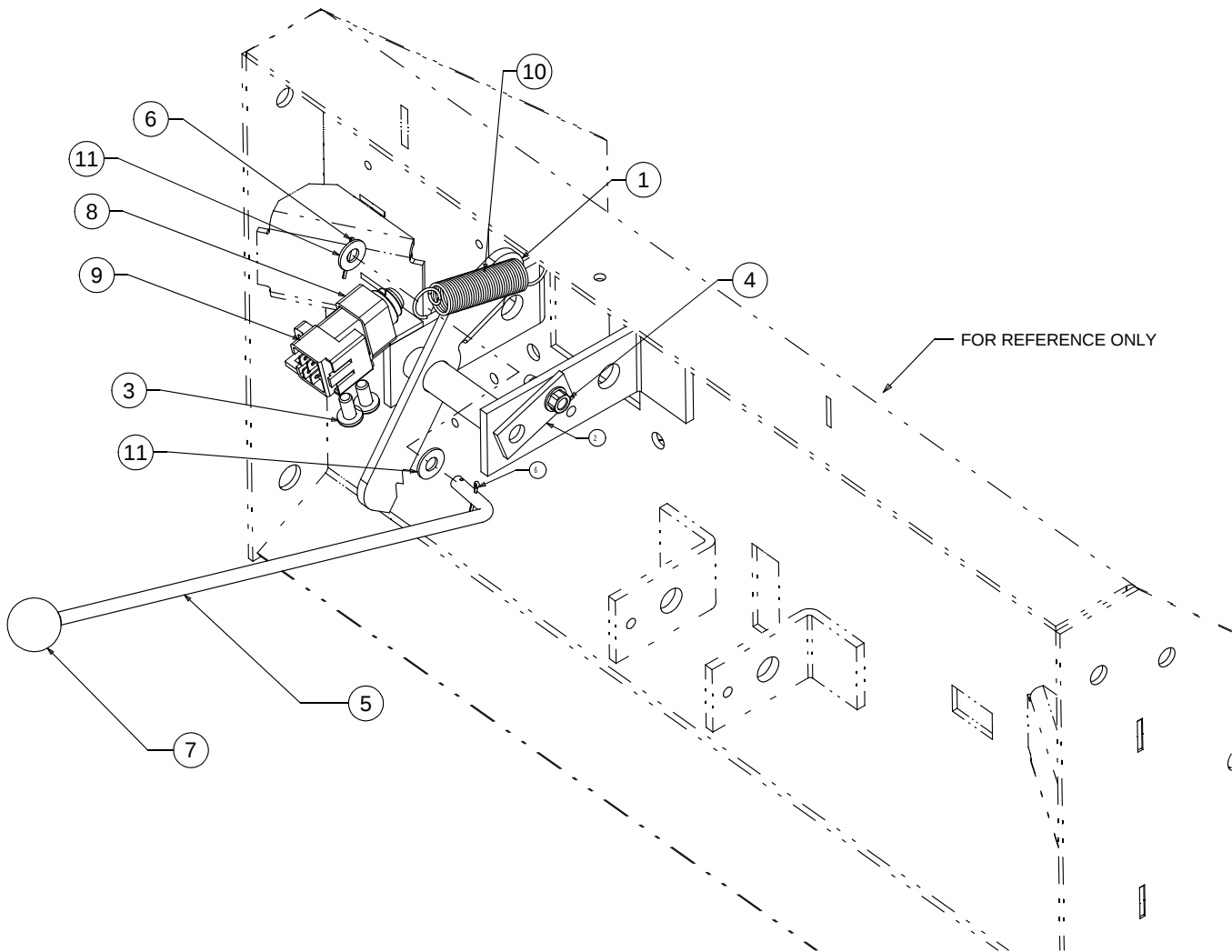


SHIFTER ASSEMBLY



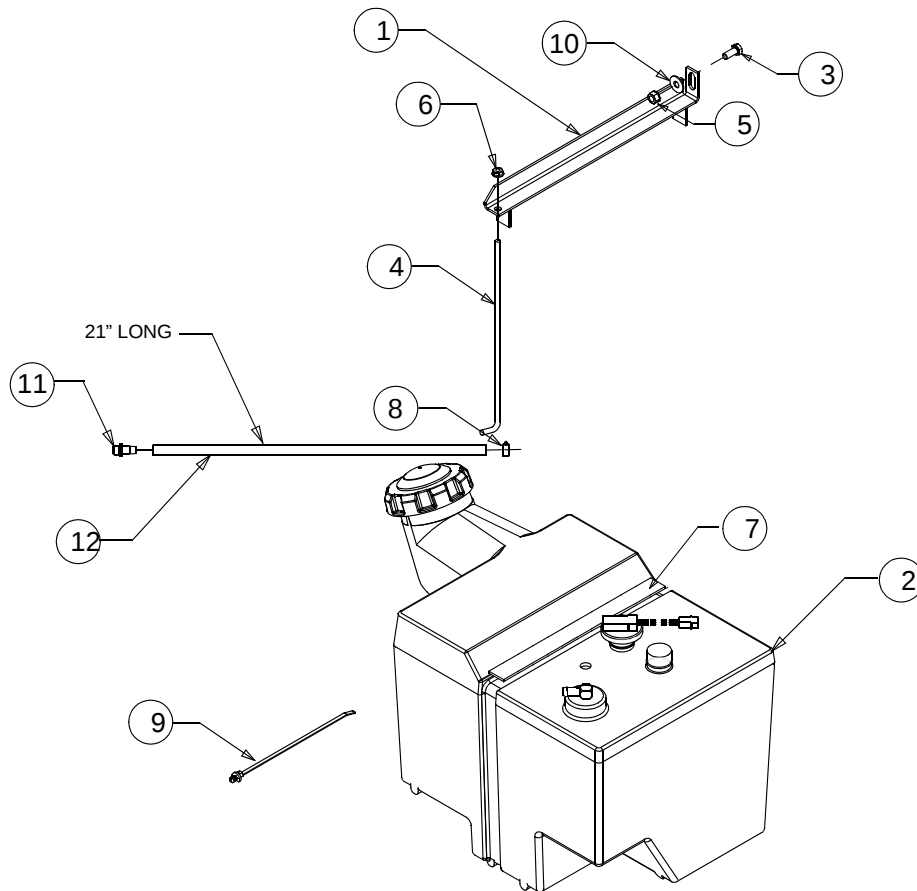
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	707-04133	Mounting Bracket, Vacuum Actuator	1
2	707-04140	Bracket, Shift	1
3	707-04146	Bracket, Vac Relay	1
4	710-04030	Screw, 1/4-20 x.5	2
5	710-04164	Screw, Hex. #8 - 18 .375	1
6	710-04169	Screw, Set, 5/16-24 x .50 LG	1
7	710-0607	Screw, 5/16-18	1
8	710-0896	Screw, 1/4-14	2
9	710-3029	Screw, 1/4-14 x .625 Hex	2
10	711-0653	Pin, Clevis .312 OD x 1.0	1
11	712-04048	Nut, Hex 9/16-18	1
12	714-0507	Pin, Cotter 3/32x.750	1
13	719-04065	Yoke, 1/4-28	1
14	725-04049	Switch, Neutral	1
15	725-3278	Solenoid, Actuator Vacuum	3
16	726-04024	Self Threading Nut	4
17	726-0470	Cable Tie	2
18	731-04289	Arm, Shift	1
19	731-04295	Hose	1
20	731-04296	Hose, Manifold Vacuum	1
21	731-04297	Hose, Actuator Vacuum	1
22	731-04298	Hose, Actuator Vacuum	1
23	731-04310	Reservoir, Air	1
24	731-04333	Actuator, Vac Differential Lock	1
25	731-04334	Hose, Vac Differential Lock, Vent	1
26	731-04335	Hose, Vac Differential Lock Supply	1
27	735-04030	Grommet, .58 x .25	1
28	736-0278	Flat Washer, .330 x .687 x .030	2
29	736-3067	Flat, Washer, .188 x .437 x .042	1
30	751-0876	Actuator, Vacuum Shift	1

PARKING BRAKE



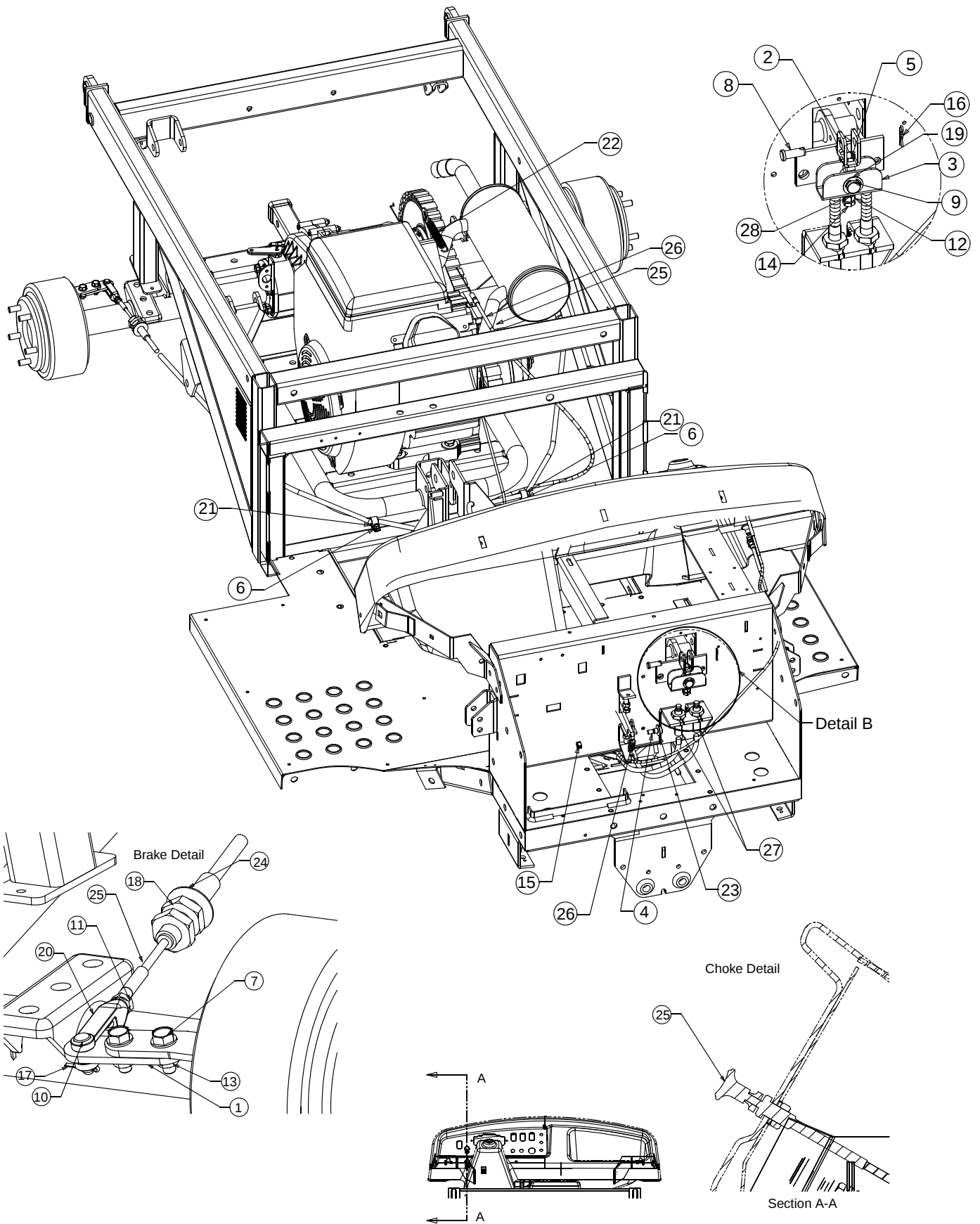
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	607-0021	Lever Assembly, Parking Brake	1
2	611-0157	Shaft Assembly, Pedal Pivot	1
3	710-04030	Screw, Hi-Lo, 1/4-20 x .5	2
4	710-0875	Screw, Self-tapping, 1/4-20, .75	1
5	711-1765	Rod, Brake Lock	1
6	714-0127	Pin, Cotter 1/16 x .75	2
7	720-04001	Knob, Ball	1
8	721-3049	Cover, Protective	1
9	725-1657A	Snap Mount Switch, Interlock	1
10	732-1187	Spring, Extension, .637 x 2.972	1
11	736-0463	Washer, Flat .25 x .630 x .0515	2

FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	607-0034	Bracket Assembly, Fuel Tank	1
2	631-0223	Tank Assembly, Fuel (Incl. Refs 12-19)	1
3	710-3008	Hex Screw, 5/16-18 x .75	4
4	711-1768	Hold-down Rod, Fuel Tank	1
5	712-0265	Sems Nut, 5/16-18	1
6	712-3027	Nut, Flange Lock, 1/4-20	1
7	721-04006	Gasket, Fuel Tank, 11.5	2
8	726-0205	Clamp, Hose	6
9	726-0470	Cable Tie, 19 x 8.39	1
10	736-0159	Washer, .349 x .879 x .063	1
11	737-0296	Vent, 3/8 Dia.	1
12	751-0535	Hose, Fuel Line	5

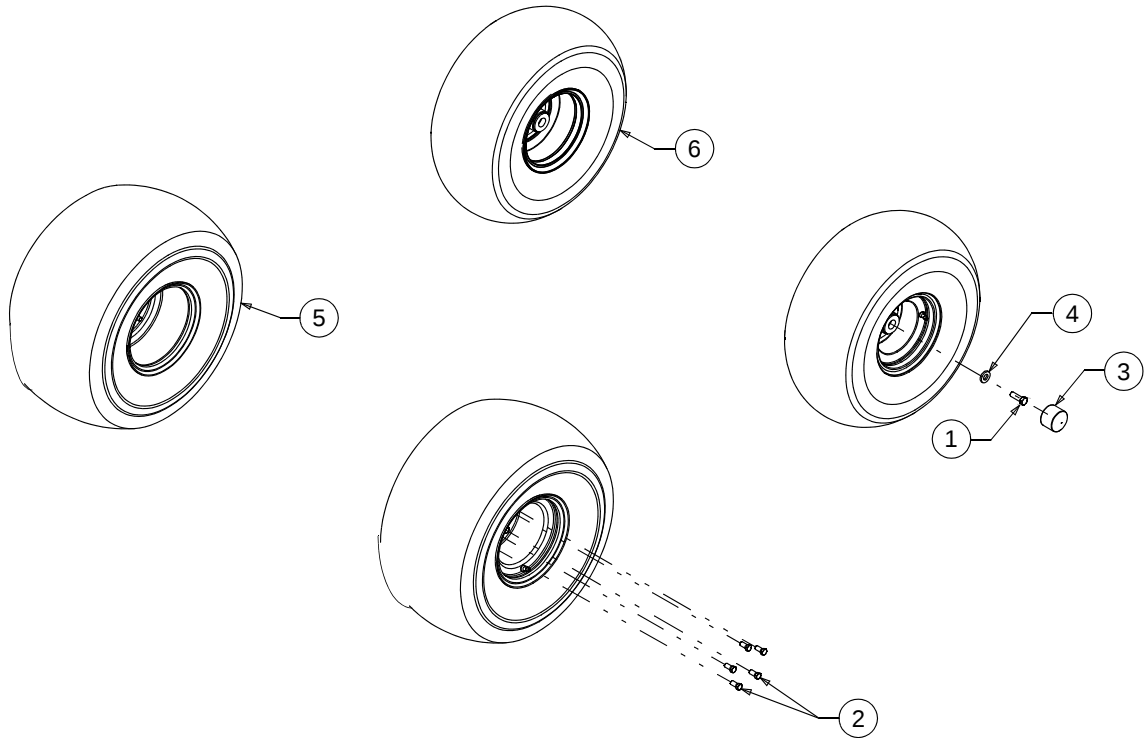
CABLES



CABLES

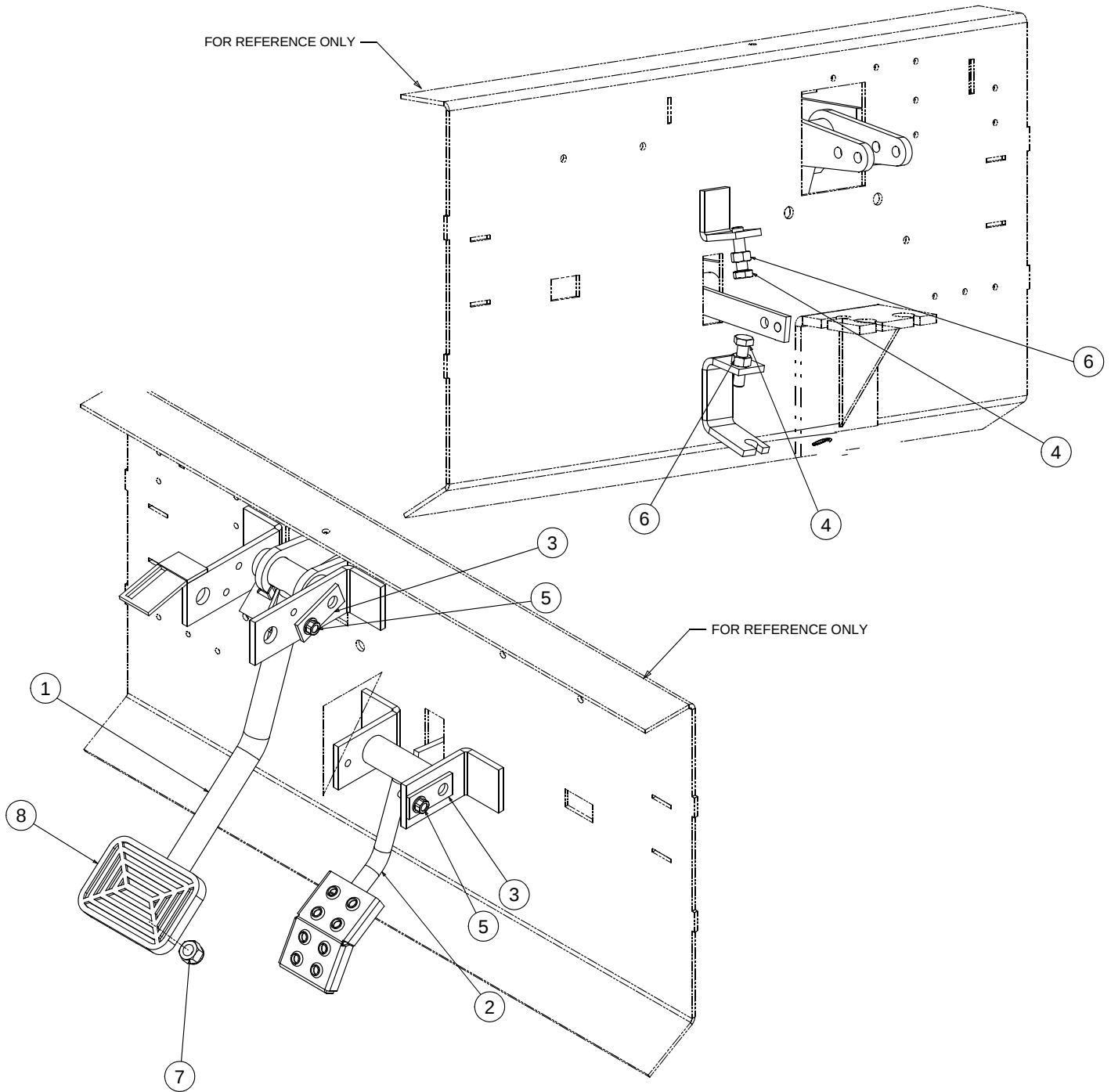
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	707-04196	Plate, Arm Brake	2
2	707-04199	Mount,Cable	1
3	707-04200	Bracket, Equalizer	1
4	710-04027	Screw, Shoulder, .375 x .375	1
5	710-0378	Screw, 5/16-18 x 2.5	1
6	710-0599	Screw, Self-Tapping	2
7	710-1238	Washer, 5/16-18 x .875	4
8	711-0173	Pin, Clevis 375 x .969	1
9	711-04024	Pin, Clevis .625 OD x 1.37	1
10	711-0653	Pin, Clevis .312 OD x 1.0	2
11	712-0256	Nut, Jam 5/16-24	2
12	712-0267	Nut, Hex 5/16-18	1
13	712-3004A	Nut, FlangeLock 5/16-18	4
14	712-3007	Nut, Jam 5/16-18	1
15	712-3009	Hexlock Nut, 5/16-18	1
16	714-0104	Pin, Cotter, .072 x 1.13	1
17	714-0507	Pin, Cotter 3-32 x .750	2
18	716-0104	E-Ring for .500 Dia Shaft	2
19	716-0106	E-Ring.625 Shaft	2
20	719-3018	Yoke, 5/16-24	2
21	726-04000	Clamp	2
22	732-0470A	Extension Spring	1
23	736-0159	Washer, .349 x .879 x .063	1
24	736-0355	Flat Washer, 1.0 OD x .56 ID x .040	2
25	746-04002	Cable, Control, Choke	1
26	746-04042	Cable, Control, Throttle	1
27	746-04072A	Cable, Control, Brake	1
28	750-04194	Spacer, .466 OD x .443	1

WHEELS



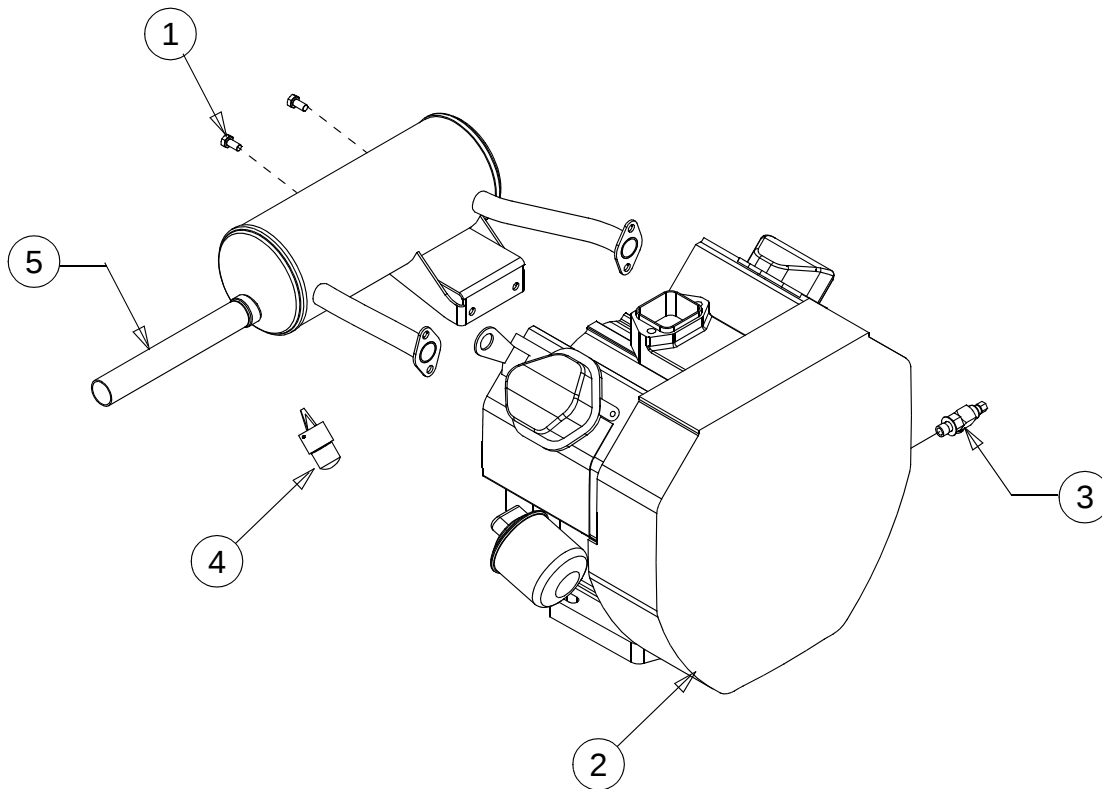
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	710-3181	Hex Screw, 1/2-13 x 1.5, Gr5	2
2	712-0378	Nut, Hex 7/16-20	10
3	736-04019	Washer, Flat, .531 x 1.25 x .181	2
4	731-04029	Dust Cover	2
5	634-04039	Wheel Assembly, 22 x 11 x 10 RH (AT)	1
5	634-04040	Wheel Assembly, 22 x 11 x 10 LH (AT)	1
6	634-04043	Wheel Assembly, 25 x 11 x 10 LH (AT)	1
6	634-04044	Wheel Assembly, 25 x 11 x 10 RH (AT)	1

PEDALS



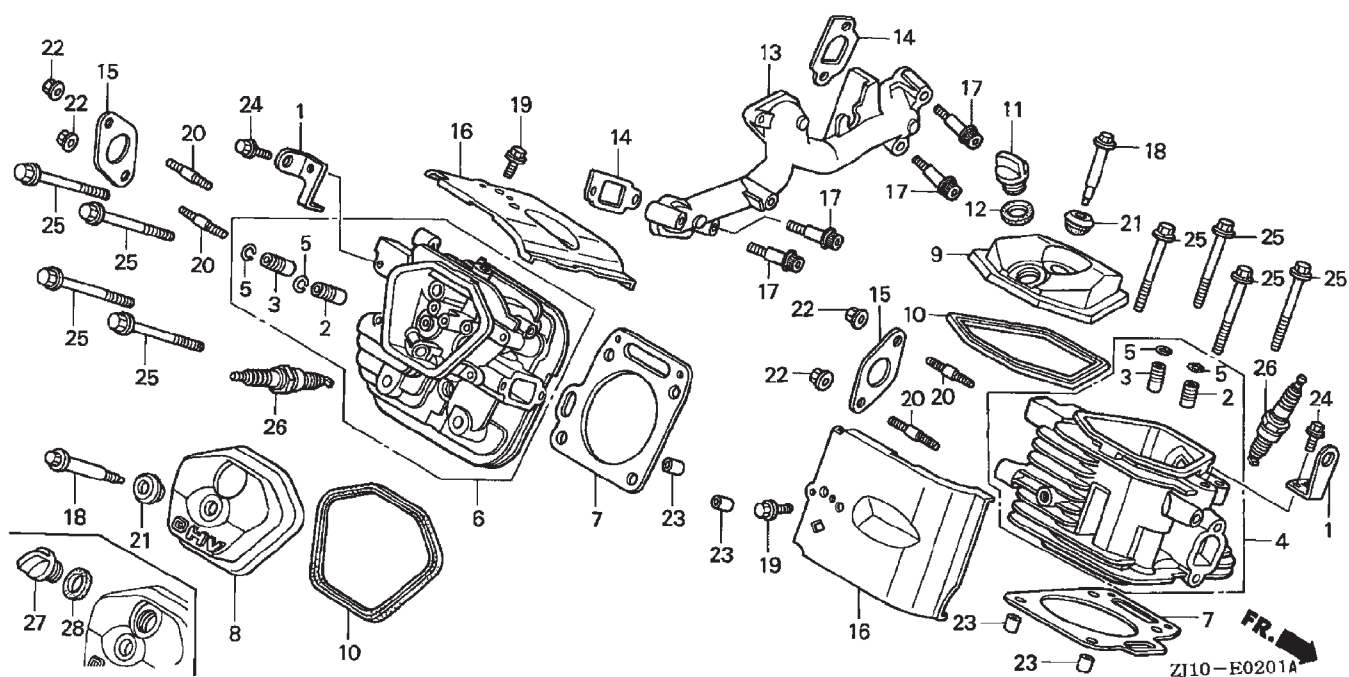
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	607-0038	Pedal Assembly, Brake	1
2	607-0039	Pedal Assembly, Throttle	1
3	611-0157	Shaft Assembly, Pedal Pivot	2
4	710-0528	Hex Screw, 5/16-18, 1.25, Gr5	2
5	710-0875	Screw, Self-tapping, 1/4-20 x .75	2
6	712-3010	Nut, Hex Lock, 5/16-18, Gr5	2
7	712-3061	Lock Nut, Nylon, 3/8-24	1
8	735-04000	Pad, Pedal Brake	1

ENGINE ACCESSORIES



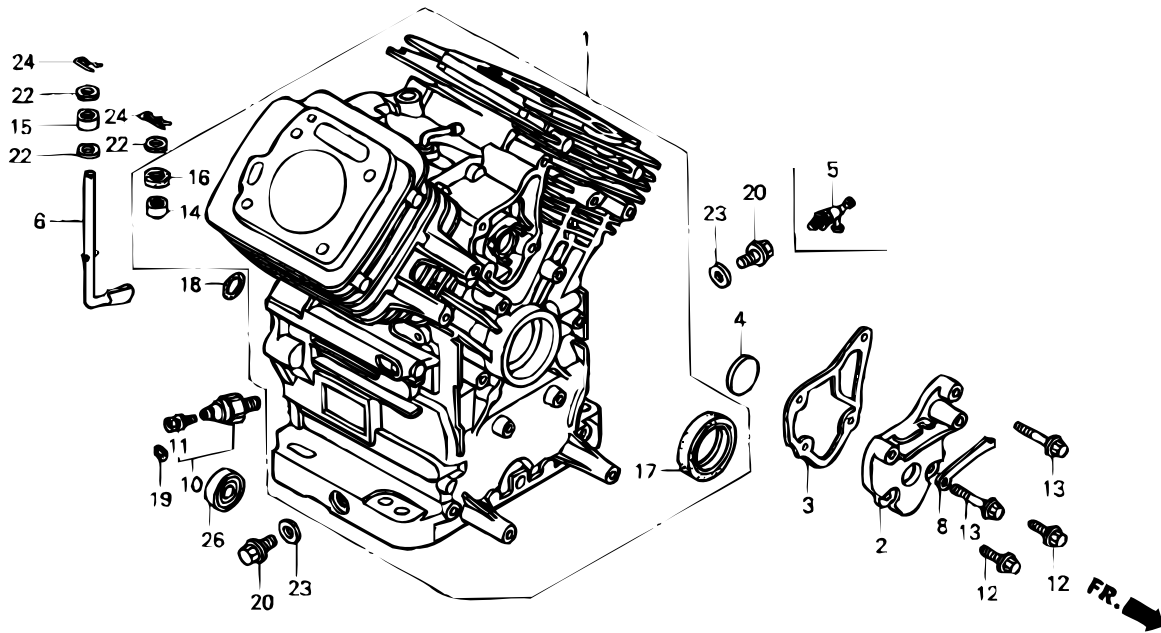
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	710-04022	Screw, M8	2
2	752H638700	Engine, <i>Honda</i> GX618K1	1
3	737-04013	Valve, Oil Drain	1
4	751-0544	Spark Arrestor	1
5	751-0854A	Muffler, <i>Honda</i> GX620	1

ENGINE — CYLINDER HEAD



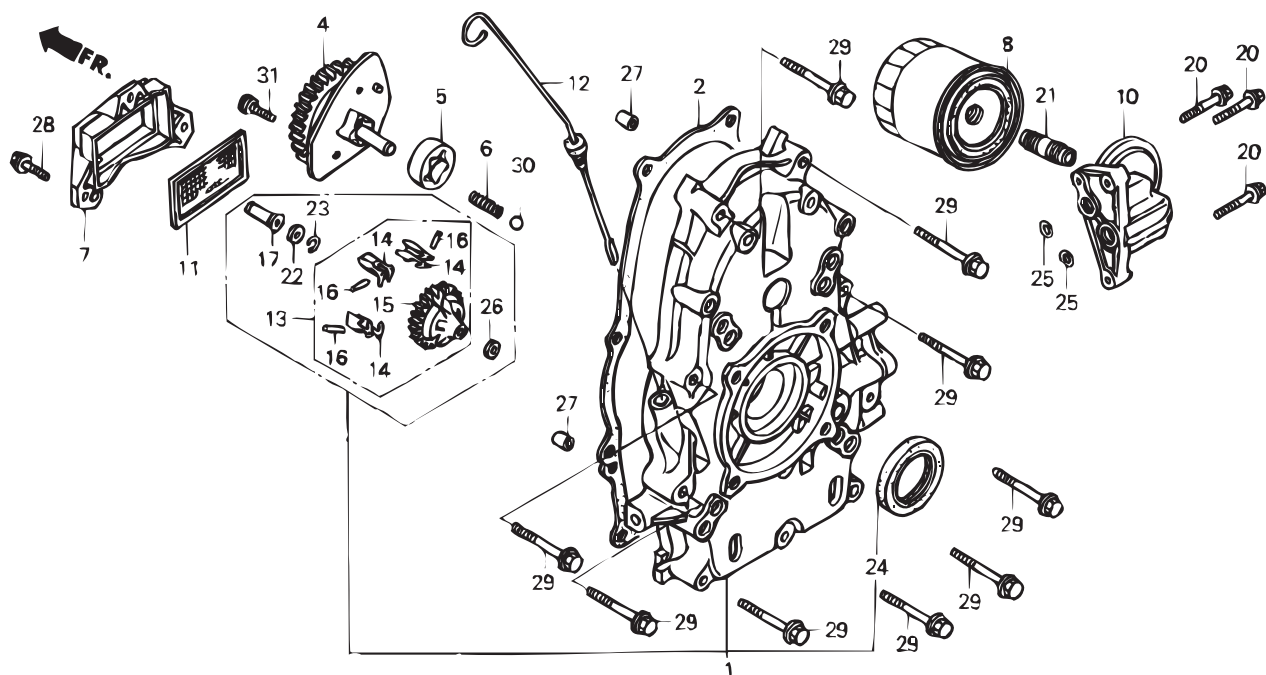
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	11911-ZJ1-840	Hanger, Engine	2
2	12204-ZE2-306	Guide, Valve (OS)	2
3	12205-ZJ1-405	Guide, Ex. Valve (OS)	2
4	12210-ZJ1-840	Cylinder Head (#1)	1
5	12216-ZE2-300	Clip, Valve Guide	4
6	12220-ZJ1-840	Cylinder Head (#2)	1
7	12251-ZJ1-841	Gasket, Cylinder Head	2
8	12311-ZJ1-840	Cover, Head	1
9	12314-ZJ1-840	Cover, Head Filler	1
10	12391-ZE2-020	Gasket, Cylinder Head Cover	2
11	15611-MB0-000	Cap, Oil Filler	1
12	15625-ZJ1-840	Gasket, Oil Filler Cap	1
13	17101-ZJ1-840	Manifold, In	1
14	17151-ZJ1-841	Gasket, In. Manifold	2
15	18333-ZE3-800	Gasket, Ex. Pipe	2
16	19682-ZJ1-840	Shroud, Head	2
17	90011-ZJ1-841	Bolt, Socket (8x45)	4
18	90014-ZE2-000	Bolt, Head Cover	2
19	90014-952-000	Bolt, Flange (6x14)	2
20	90018-ZJ1-840	Bolt, Stud (8x22)	4
21	90441-ZE2-010	Washer, Head Cover	2
22	94050-08000	Nut, Flange (8mm)	4
23	94301-12200	Pin A, Dowel (12x20)	4
24	95701-08020-00	Bolt, Flange (8x20)	2
25	95701-10080-00	Bolt, Flange (10x80)	8
26	98079-52876	Spark Plug (BPR2ES) (NGK)	2

ENGINE — CYLINDER BARREL



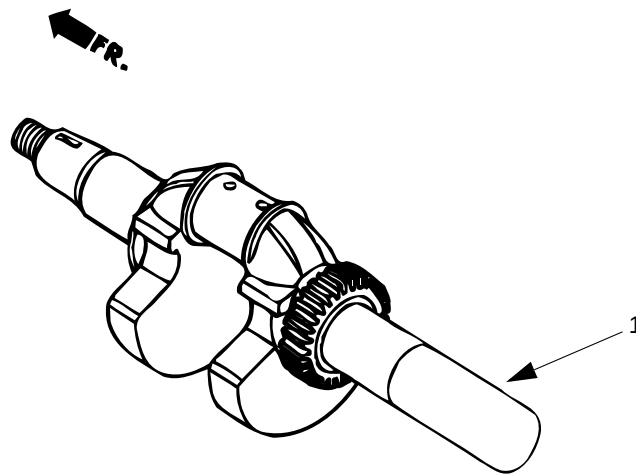
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	12000-ZJ1-841	Cylinder Assembly	1
2	12356-ZJ1-000	Cover, Breather	1
3	12358-ZJ1-000	Gasket, Breather Cover	1
4	12372-ZE2-300	Valve, Breather	1
5	15558-ZJ1-010AH	Valve, Drain (14x1.5)	1
6	16541-ZJ1-840	Shaft, Governor Arm	1
8	31511-ZJ1-000	Clamp, Wire	1
10	37240-ZG3-E01	Switch, Oil Pressure	1
11	90002-ZG5-004	Screw-washer (4x8)	1
12	90029-888-000	Bolt, Flange (6x16)	2
13	90031-ZE1-000	Bolt, Flange (6x32)	2
14	91001-ZJ1-841	Bearing, Needle (8x12.7x11.1)	1
15	91002-ZJ1-841	Bearing, Needle (8x12x10)	1
16	91201-ZE9-003	Oil Seal (8x14x5)	1
17	91201-ZJ1-841	Oil Seal (38x58x9)	1
18	91302-MB6-830	O-ring (13x3.0)	1
20	92800-14000	Bolt, Drain Plug (14mm)	2
22	94102-08800	Washer, Plain (8mm)	3
23	94109-14000	Washer, Drain Plug (14mm)	2
24	94251-08000	Pin, Lock (8mm)	2
26	96140-60030-10	Bearing, Radial Ball (6003)	1

ENGINE — CRANKCASE COVER



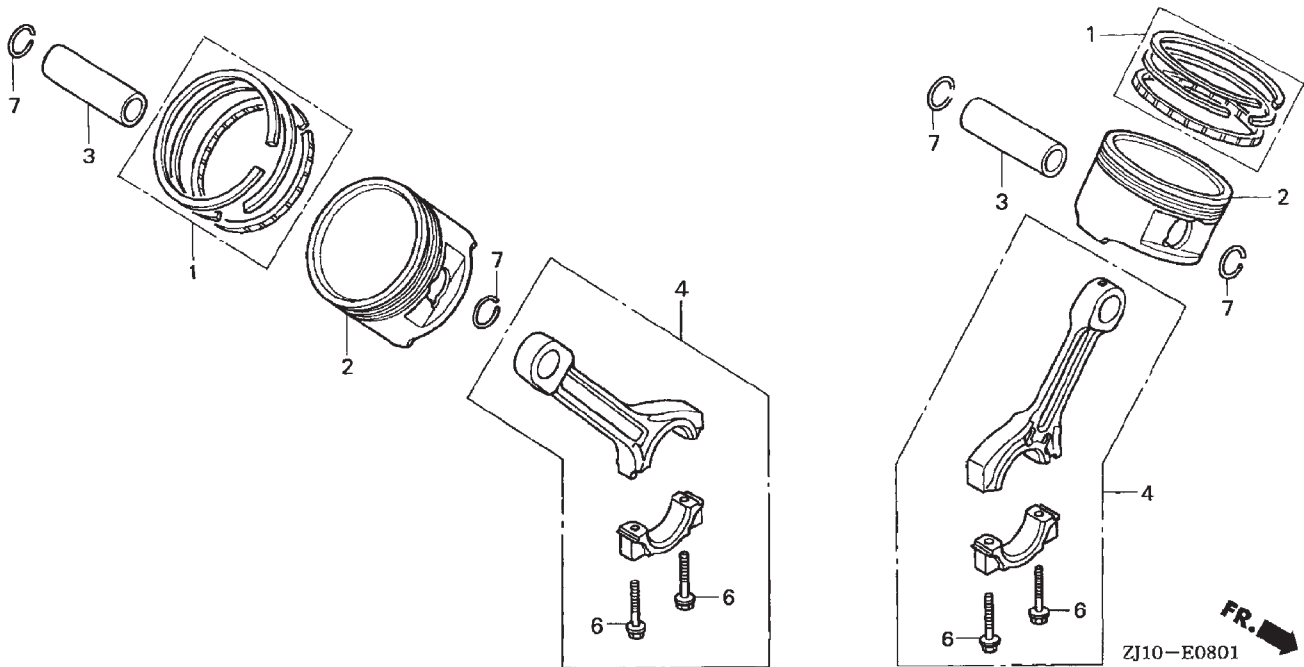
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	11300-ZJ1-840	Cover Assembly, Crankcase (Q-type)	1
2	11381-ZJ1-840	Gasket, Case Cover	1
4	15120-ZJ1-000	Cover Assembly, Oil Pump	1
5	15124-ZJ1-003	Rotor, Oil Pump (Outer)	1
6	15232-ZJ1-000	Spring, Relief Valve	1
7	15348-ZJ1-840	Cover, Oil Filter	1
8	15400-POH-305PE	Filter, Oil	1
10	15411-ZJ1-840	Base, Oil Filter	1
11	15427-ZJ1-000	Screen, Oil Filter	1
12	15655-ZJ1-840	Dipstick, Oil	1
13	16510-ZJ1-840	Governor Assembly	1
14	16511-ZJ1-840	Weight, Governor	3
15	16512-ZJ1-840	Holder, Governor Weight	1
16	16513-ZE2-000	Pin, Governor Weight	3
17	16531-ZE2-000	Slider, Governor	1
20	90015-883-000	Bolt, Flange (6x28)	3
21	90018-PN3-000	Holder, Oil Filter	1
22	90473-147-000	Washer (6x16)	1
23	90602-ZE1-000	Clip, Governor Holder	1
24	91202-ZJ1-841	Oil Seal (38x58x9)	1
25	91320-MJ6-003	O-ring (11.8x2.4)	2
26	94101-06800	Washer, Plain (6mm)	1
27	94301-08140	Pin A, Dowel (8x14)	2
28	95701-06020-00	Bolt, Flange (6x20)	3
29	95701-08050-00	Bolt, Flange (8x50)	9
30	96211-12000	Ball, Steel (#12) (3/8)	1
31	96600-06016-00	Bolt, Socket (6x16)	2

ENGINE — CRANKSHAFT



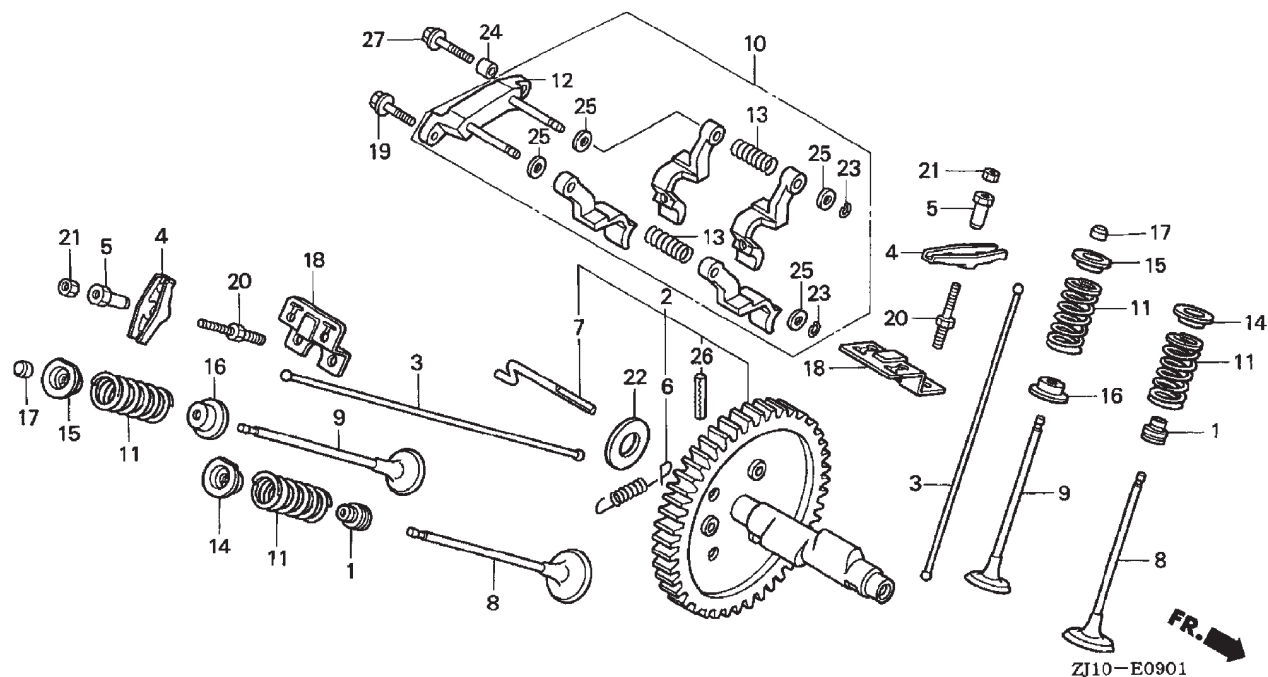
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	13310-ZJ1-840	Crankshaft	1

ENGINE — PISTON



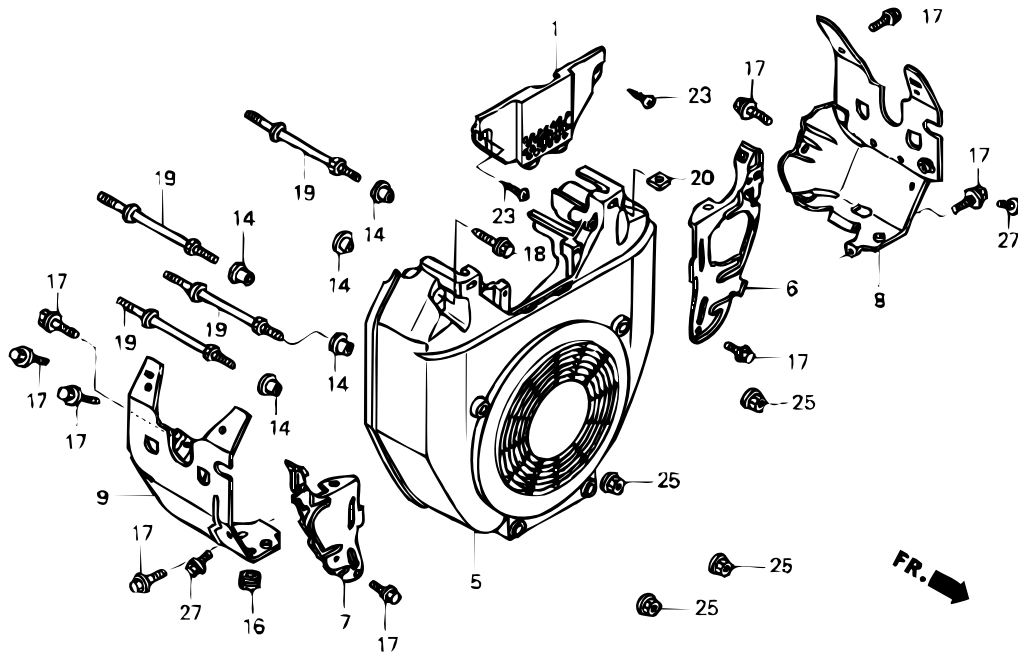
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	13010-ZJ1-841	Ring Set, Piston (Std)	2
	13011-ZJ1-841	Ring Set, Piston (OS 0.25)	2
	13012-ZJ1-841	Ring Set, Piston (OS 0.50)	2
	13013-ZJ1-841	Ring Set, Piston (0.75)	2
2	13101-ZJ1-840	Piston (Std)	2
	13102-ZJ1-840	Piston (OS 0.25)	2
	13103-ZJ1-840	Piston (OS 0.50)	2
	13104-ZJ1-840	Piston (0.75)	2
3	13111-ZJ1-840	Pin, Piston	2
4	13200-ZJ1-841	Rod Assembly, Connecting	2
6	90001-ZN1-000	Bolt, Connecting Rod (6x37)	4
7	94601-18000	Clip, Piston Pin (18mm)	4

ENGINE — CAMSHAFT



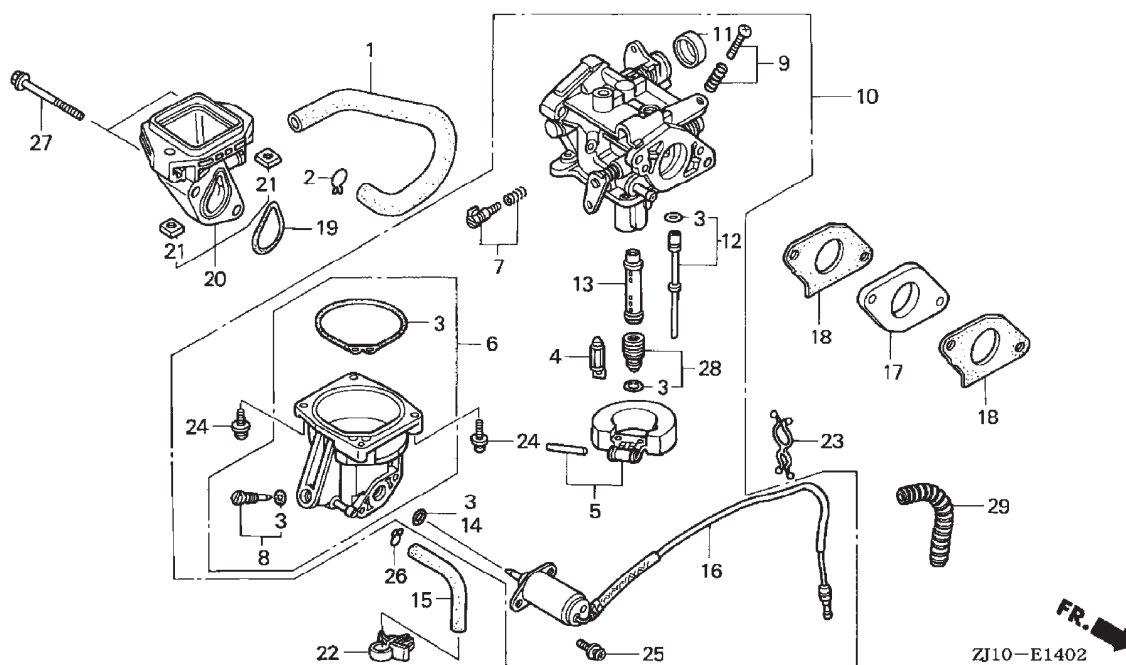
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	12209-ZE8-003	Seal, Valve Stem	2
2	14100-ZJ1-842	Camshaft Assembly	1
3	14410-ZJ1-840	Rod, Push	4
4	14431-ZE2-010	Arm, Valve Rocker	4
5	14451-ZE1-013	Pivot, Rocker Arm	4
6	14568-ZJ1-841	Spring, Weight Return	1
7	14576-ZJ1-840	Pin, Decompression	1
8	14711-ZE3-000	Valve, In	2
9	14721-ZE3-000	Valve, Ex	2
10	14730-ZJ1-840	Lifter Ass'y., Valve	1
11	14751-ZE2-003	Spring, Valve	4
12	14760-ZJ1-840	Shaft, Valve Lifter	1
13	14764-ZJ1-840	Spring, Valve Lifter	2
14	14771-ZE2-000	Retainer, In. Valve Spring	2
15	14773-ZE2-000	Retainer, Ex. Valve Spring	2
16	14775-ZE2-010	Seat, Valve Spring	2
17	14781-ZE2-000	Rotator, Valve	2
18	14791-ZE2-010	Plate, Push Rod Guide	2
19	90005-896-000	Bolt, Flange (5x16)	1
20	90012-ZE0-010	Bolt, Pivot (8mm)	4
21	90206-ZE1-000	Nut, Pivot Adj	4
22	90446-357-000	Washer, Thrust (17.2mm)	1
23	90602-ZE1-000	Clip, Governor Holder	2
24	94301-08120	Pin A, Dowel (8x12)	1
25	94101-06800	Washer, Plain (6mm)	4
26	94305-60282	Pin, Spring (6x28)	1
27	95701-06025-00	Bolt, Flange (6x25)	1

ENGINE — FAN COVER



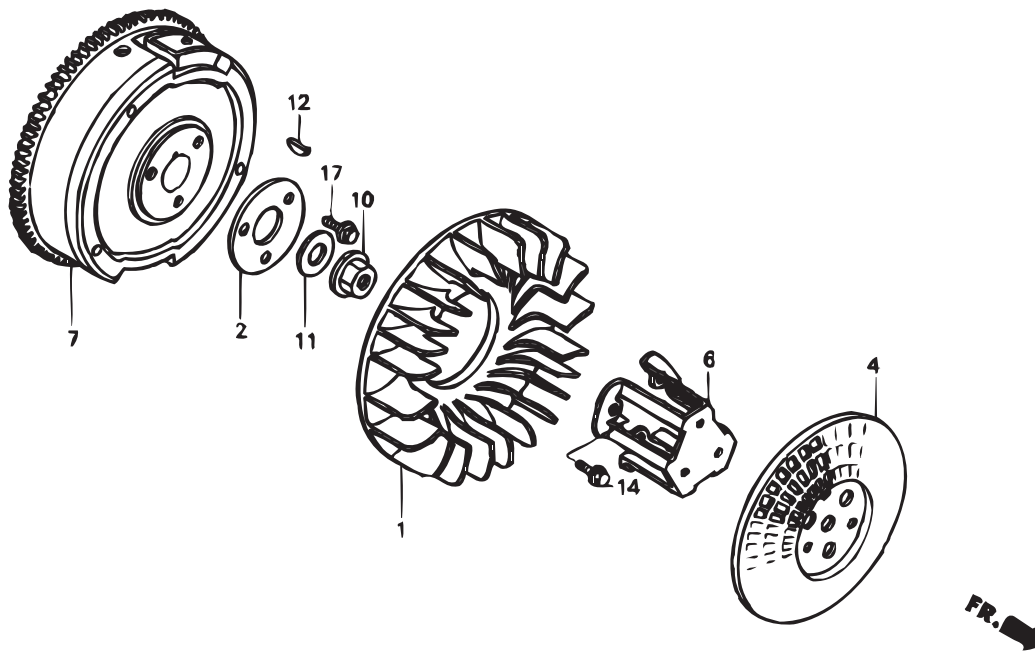
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	16715-ZJ1-840	Cover, Fuel Pump	1
5	19611-ZJ1-860ZB	Cover, Fan (Bright Red)	1
6	19612-ZJ1-840	Plate, R. Side	1
7	19614-ZJ1-840	Plate, L. Side	1
8	19631-ZJ1-840	Shroud, R	1
9	19632-ZJ1-840	Shroud, L	1
14	33713-GC2-000	Collar B, Taillight	6
16	80101-310-000	Rubber, Rr. Fender Cushion	1
17	90013-883-000	Bolt, Flange (6x12) (Ct200)	10
18	90018-ZE1-000	Bolt, Flange (6x23)	2
19	90042-ZJ1-840	Bolt, Stud (6x71)	4
20	90313-ZJ1-840	Nut, Square (5mm)	2
23	93913-25580	Screw, Tapping (5x20)	2
25	94050-06000	Nut, Flange (6mm)	4
27	95701-06008-00	Bolt, Flange (6x8)	2

ENGINE — CARBURETOR



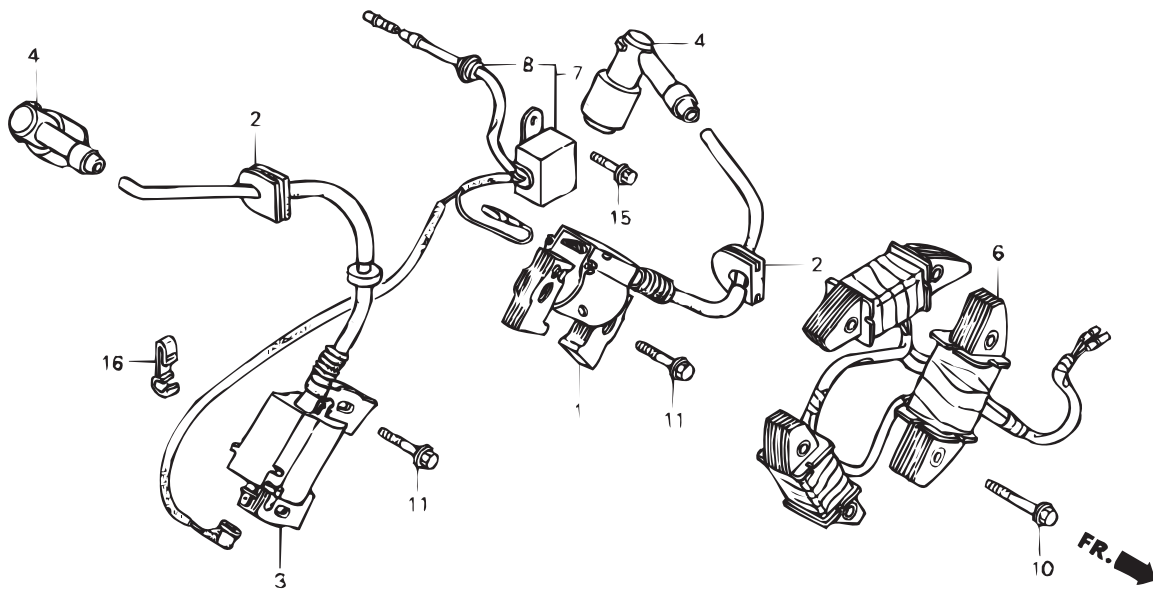
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	12357-ZJ1-840	Tube, Breather	1
2	15772-551-000	Clip, Breather Tube	1
3	16010-ZG8-000	Gasket Set	1
4	16011-KCK-910	Valve Set, Float	1
5	16013-ZV4-005	Float Set	1
6	16015-ZJ1-841	Chamber Set, Float	1
7	16016-ZJ1-010	Screw Set	1
8	16024-124-760	Screw Set, Drain	1
9	16028-ZG8-000	Screw Set	1
10	16100-ZJ1-841	Carburetor Assembly. (Bg22g A)	1
11	16148-141-881	Cap, Choke Lever Dust	1
12	16150-ZJ1-841	Jet Set (#52)	1
13	16166-ZJ0-000	Nozzle, Main	1
14	16178-548-004	O-ring (5.8x1.9)	1
15	16198-ZJ1-840	Tube, Drain	1
16	16200-ZJ1-841	Valve Assembly., Solenoid	1
17	16211-ZJ0-830	Insulator, Carburetor	1
18	16221-ZJ1-840	Gasket, Carburetor	2
19	17228-ZG8-003	Gasket, Air Cleaner	1
20	17410-ZJ1-840	Elbow, Air Cleaner	1
21	90314-ZJ1-840	Nut, Insert (6mm)	2
22	90682-959-661	Clip B, Cable	1
23	91402-ZJ1-841	Clip, Purse Lock	1
24	93892-04014-08	Screw-washer (4x14)	4
	93892-04014-18	Screw-washer (4x14)	4
25	93892-05012-08	Screw-washer (5x12)	2
26	95002-02080	Clip, Tube (B8)	1
27	95801-06120-00	Bolt, Flange (6x120)	2
28	99201-ZG8-1100	Jet Set, Main (#110)	1

ENGINE — FLYWHEEL



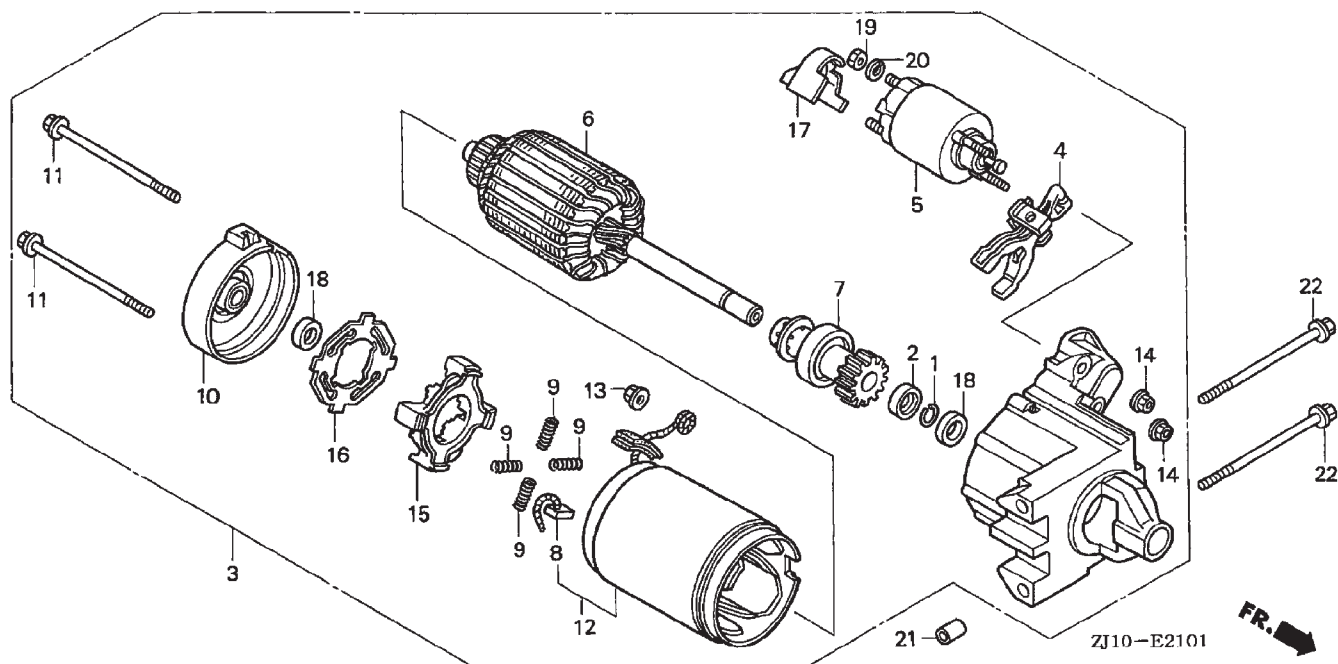
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	19511-ZJ1-000	Fan, Cooling	1
2	19513-ZJ1-000	Plate, Cooling Fan Setting	1
4	28452-ZJ1-811	Grid, Screen	1
6	28454-ZJ1-801	Holder, Screen Grid	1
7	31110-ZJ1-840	Flywheel	1
10	90201-ZG3-000	Nut, Flange (20mm)	1
11	90401-ZG3-000	Washer (20mm)	1
12	90741-ZE2-000	Key, Special Woodruff (25x18)	1
14	95701-08016-00	Bolt, Flange (8x16)	1
17	95701-08016-00	Bolt, Flange (8x16)	1

ENGINE — IGNITION COIL



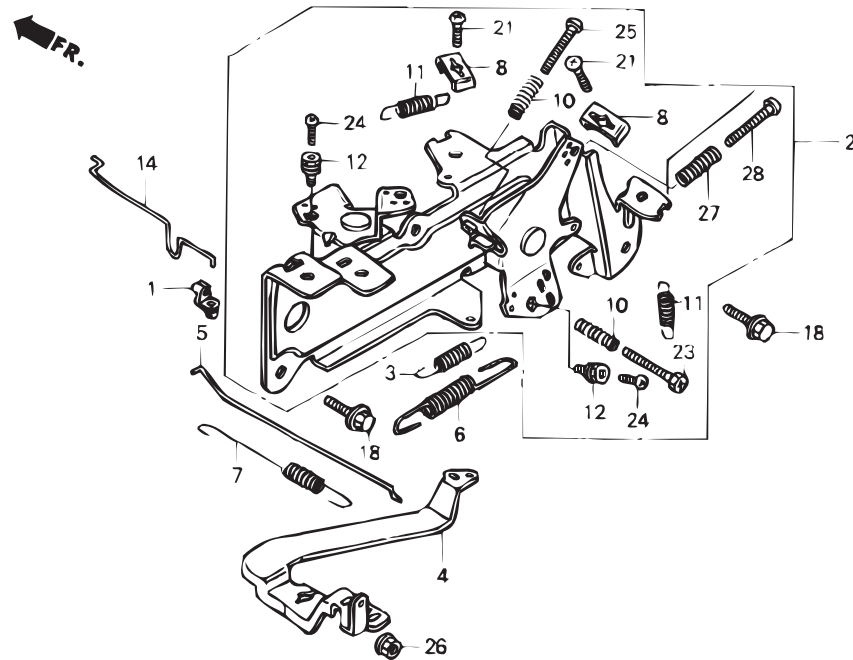
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	30500-ZJ1-841	Coil Assembly., R. Ignition	1
2	30518-ZJ1-000	Grommet, Ignition Wire	2
3	30550-ZJ1-841	Coil Assembly., L. Ignition	1
4	30700-ZJ1-841	Cap Assembly., Noise Suppressor	2
6	31630-ZJ1-801	Coil Assembly., Charge (12V/20A)	1
7	31740-ZJ1-841	Diode Assembly., Engine Stop	1
8	63312-ZA7-000	Grommet, Tool	1
10	90031-ZE1-000	Bolt, Flange (6x32)	6
11	90031-ZE1-000	Bolt, Flange (6x32)	2
15	95701-06008-00	Bolt, Flange (6x8)	1
16	32763-PA0-000	Clamp, Wire	1

ENGINE — STARTER MOTOR



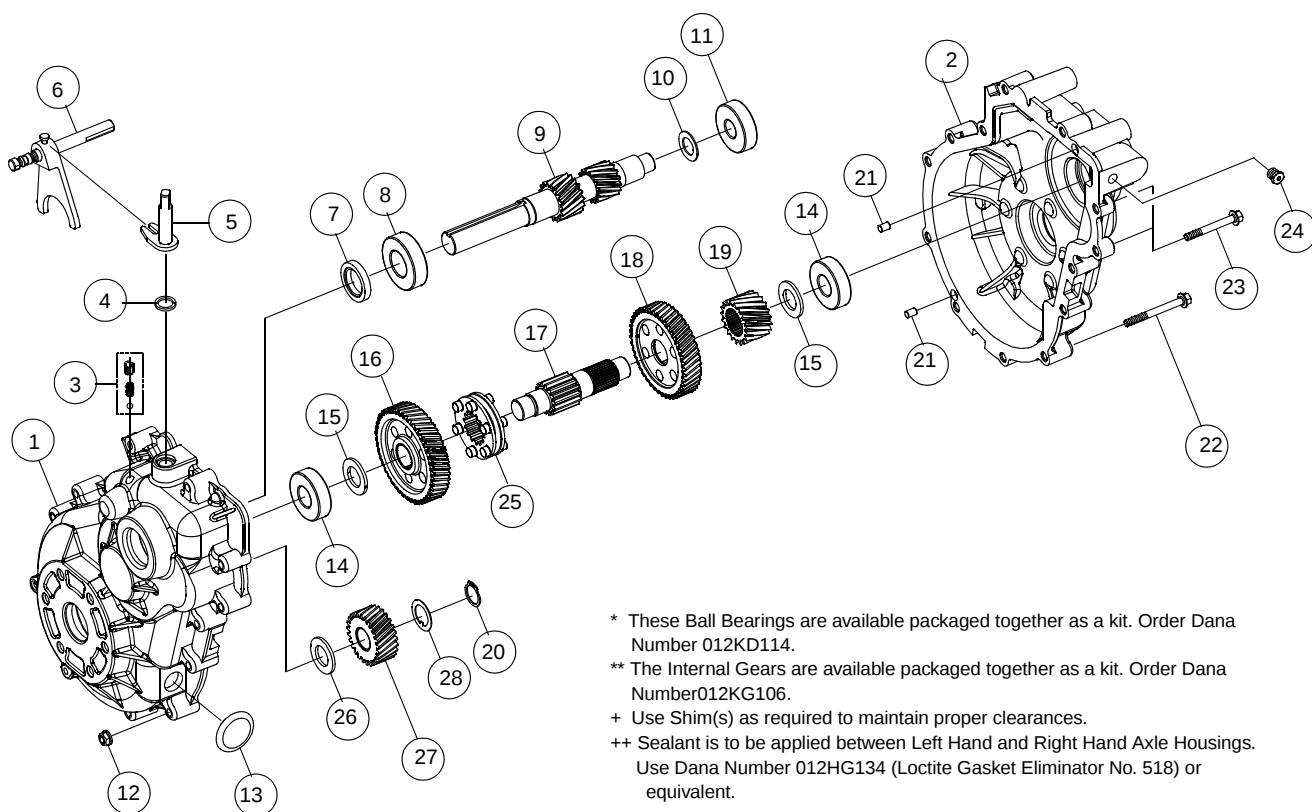
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	30201-PH9-004	Ring, Snap (Denso)	1
2	30202-PZ1-003	Collar Set, Clutch Stop	1
3	31200-ZJ1-841	Motor Assembly., Starter	1
4	31203-PH9-004	Lever, Pinion Drive	1
5	31204-ZJ1-H01	Switch Assembly., Magnet	1
6	31206-ZG4-801	Armature	1
7	31207-ZJ1-H01	Clutch, Overrunning	1
8	31211-PH9-004	Brush	4
9	31212-PH9-004	Spring, Brush	4
10	31213-P64-N01	Cover	1
11	31214-PH9-004	Bolt, Through	2
12	31216-ZJ1-H01	Yoke	1
13	31220-PH9-004	Nut, Hex. (8mm)	1
14	31223-PA0-006	Nut, Flange (5mm)	2
15	31231-PH9-004	Holder, Brush	1
16	31233-PH9-004	Insulator, Brush Holder	1
17	31234-ZJ1-H01	Cover, Terminal	1
18	91002-ZG4-801	Bearing A	2
19	94001-08000-0S	Nut, Hex. (8mm)	1
20	94111-08000	Washer, Spring (8mm)	1
21	94301-10120	Pin, Dowel (10x12)	2
22	95701-08110-00	Bolt, Flange (8x110)	2

ENGINE — CONTROL



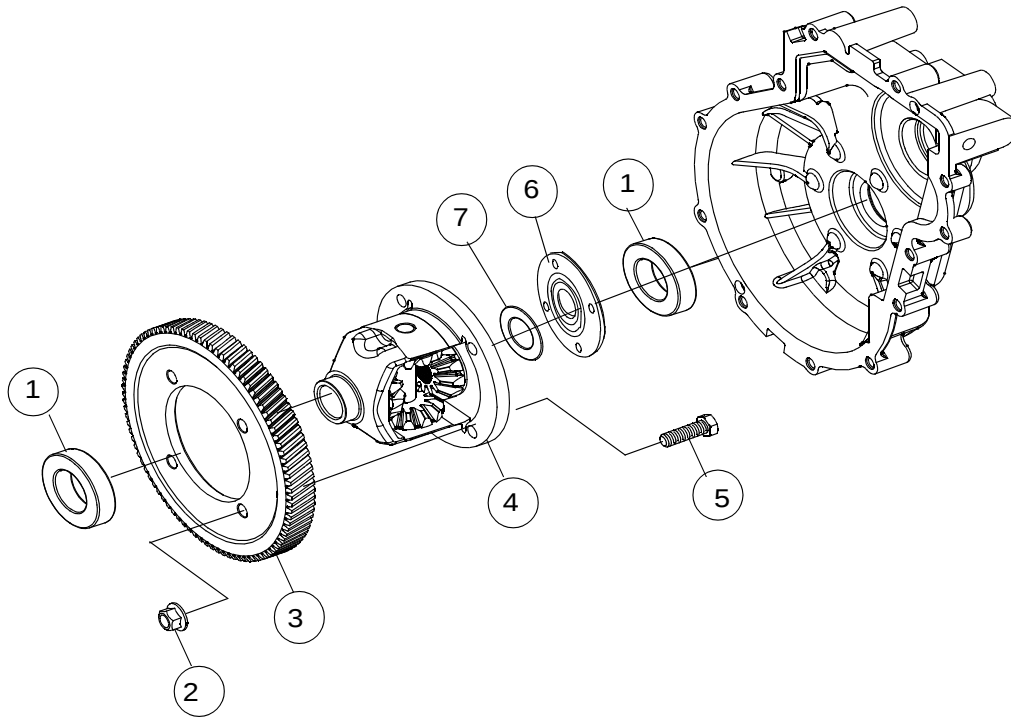
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	16263-883-W10	Joint, Rod	1
2	16500-ZJ1-861	Control Assembly	1
3	16534-ZJ1-840	Spring, Starter	1
4	16551-ZJ1-840	Arm, Governor	1
5	16555-ZJ1-840	Rod, Governor	1
6	16561-ZJ4-830	Spring, Governor	1
7	16562-ZJ1-840	Spring, Throttle Return	1
8	16576-891-000	Holder, Cable	2
10	16584-883-300	Spring, Control Adjusting	2
11	16592-ZJ1-000	Spring, Cable Return	2
12	16617-ZJ1-840	Holder, Cable	2
14	16611-ZJ1-840	Rod, Choke Control	1
18	90014-952-000	Bolt, Flange (6x14)	2
21	92301-05016-0A	Bolt, Slot (5x16)	2
23	92301-05025-0A	Bolt, Slot (5x25)	1
24	92301-04006-0H	Bolt, Recessed (4x6)	2
25	93500-05025-0A	Screw, Pan (5x25)	1
26	94050-06000	Nut, Flange (6mm)	1

TRANSMISSION — INPUT SHAFT ASSEMBLY



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1++	012CH254-3	Housing, Axle, w/Idler Shaft	1
2++	012CH240	Housing, Axle, Finished	1
3	012LK133	Kit, Detent	1
4	012HH122	Seal, Oil	1
5	012GV164X	Assembly, Actuator	1
6	012SV112X	Assembly, Shift Rod	1
7	012HH128	Seal, Oil	3
8*	585965	Bearing, Ball	1
9**	012GS307	Shaft, Input	1
10+	012LK134	Kit, Shim	2
11*	012HD111	Bearing, Ball	1
12	012HN120	Nut, Lock	13
13	41356	Plug, Rubber	1
14*	012HD129	Bearing, Ball	2
15	012HS121	Spacer, Flat,	2
16**	012GS202X	Gear Assembly, Forward	1
17	012GS200	Shaft, Intermediate	1
18**	012GS204X	Gear Assembly, Reverse	1
19**	012GS215	Gear, Helical (Pinion)	1
20	012HR128	Ring Retaining	1
21	012HP120	Pin, Dowel	2
22	012HM110-1	Screw, Flange Head	11
23	012HM110-2	Screw, Flange Head	2
24	012HN140	Vent	1
25	012GS302	Gear, Clutch	1
26	012HS126	Washer, Thrust	1
27**	012GS207X	Gear, Assembly, Idler	1
28	012HS125	Washer, Thrust	1

TRANSMISSION — DIFFERENTIAL ASS'Y

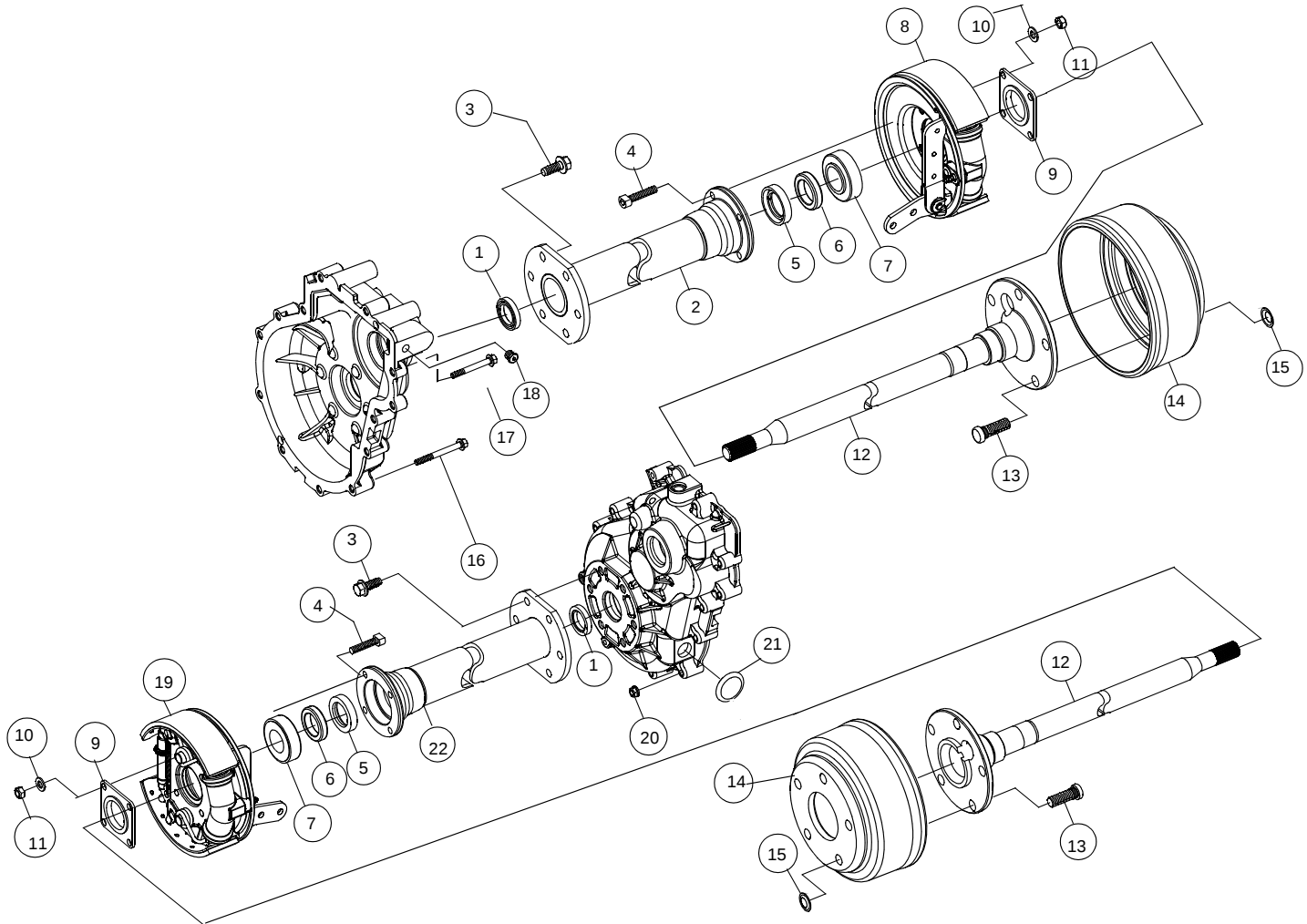


* These Ball Bearings are available packaged together as a kit. Order Dana Number 012KD114.

** The Internal Gears are available packaged together as a kit. Order Dana Number 012KG106.

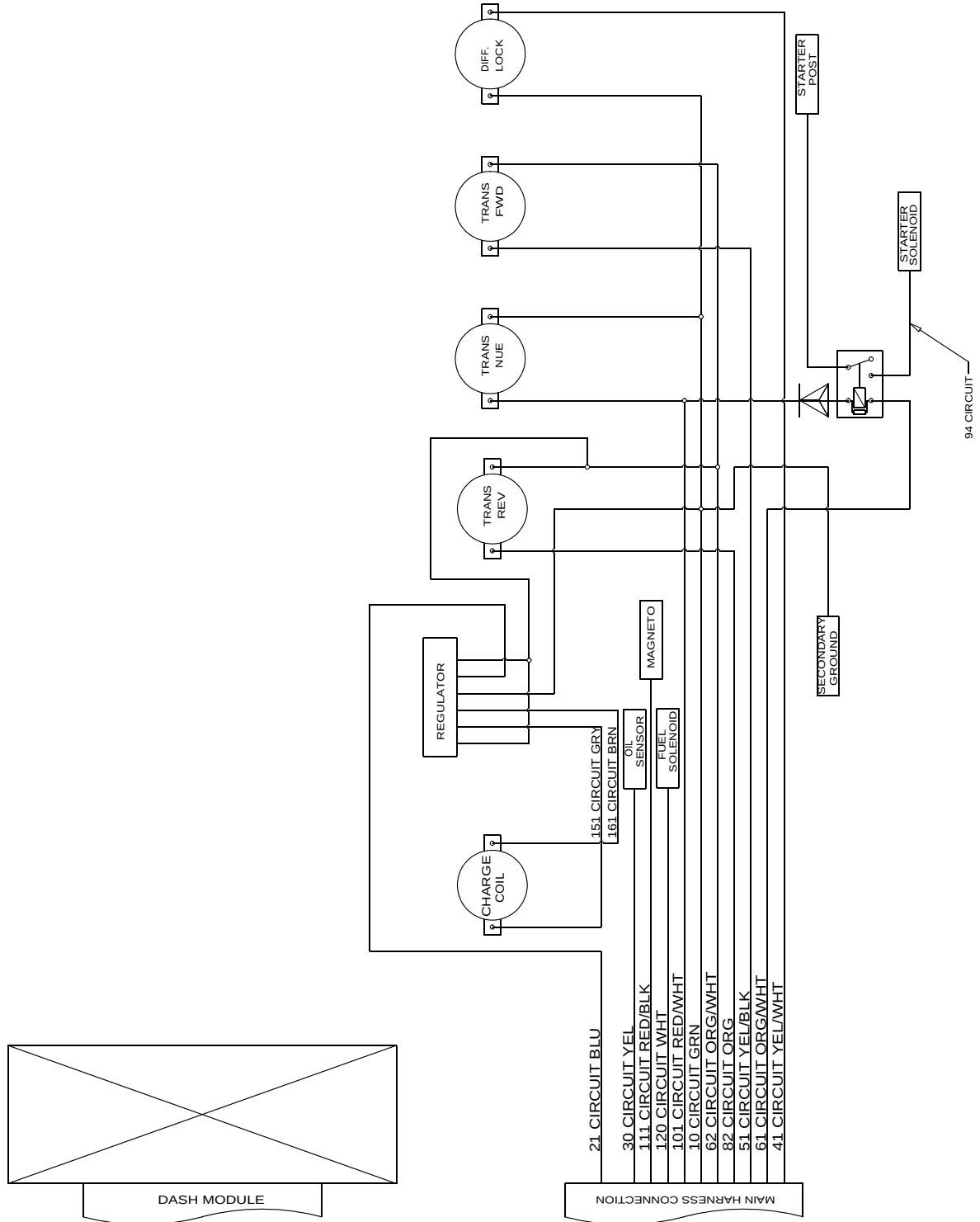
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1*	585994	Bearing, Ball	2
2	012HN138	Nut, Lock	4
3**	012GS216	Gear, Helical (Ring)	1
4	012DA119X	Assembly, Differential	1
5	012HM129	Bolt, Hex	4
6	012DC122	Flange Half, Diff Case	1
7	026HN103	Wahser, Thrust	1

TRANSMISSION — BRAKE ASSEMBLY

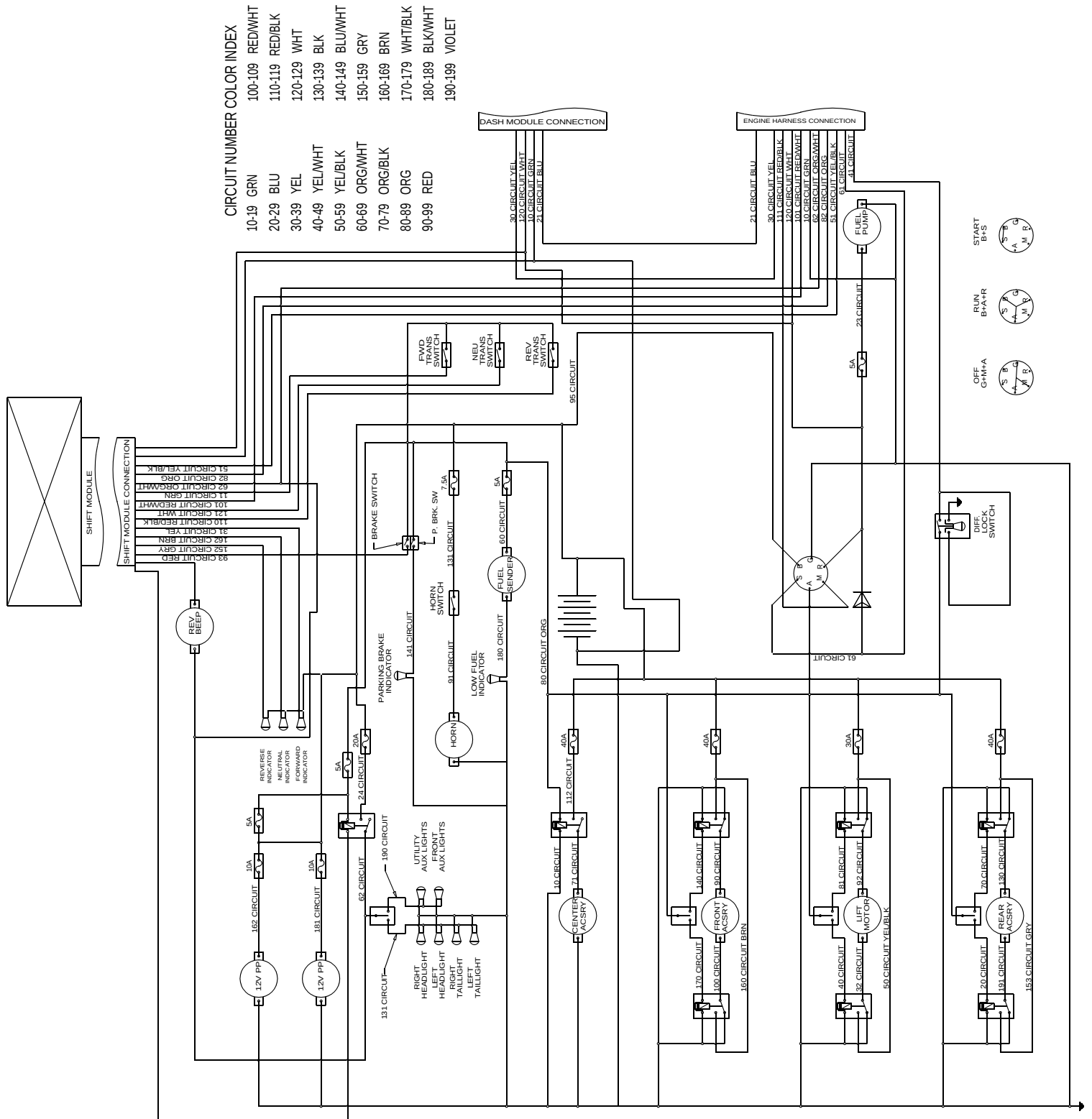


REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	012HH128	Seal, Oil	1
2	012TA350-1	Assembly, Tube	1
3	070HM282	Screw, Flange Head	12
4	A20HM102	Screw, Socket Head	8
5	A20HH101	Seal, Oil	2
6	536A1	Ring, Retainer	2
7	585907	Ass'y, Bearing, Tapered Roller	2
8	018WD119	Assembly, Brake	1
9	515A7	Seal, Oil	2
10	012HN126	Washer, Flat	8
11	012HN125	Nut, Lock	8
12	012SR149-4	Shaft, Axel	2
13	012HM138-1	Bolt, Wheel	10
14	012WA127	Drum, Brake	2
15	34391-2	Nut, Spring	2
16	012HM110-1	Screw, Flange Head	11
17	012HM110-2	Screw, Flange Head	2
18	012HN140	Vent	1
19	018WD118	Assembly, Brake	1
20	012HN120	Nut, Lock	13
21	41356	Plug, Rubber	1
22	012TA349-1	Assembly, Tube	1

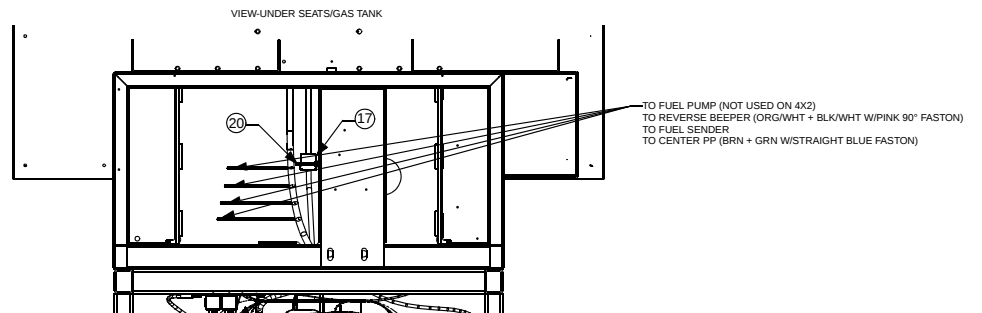
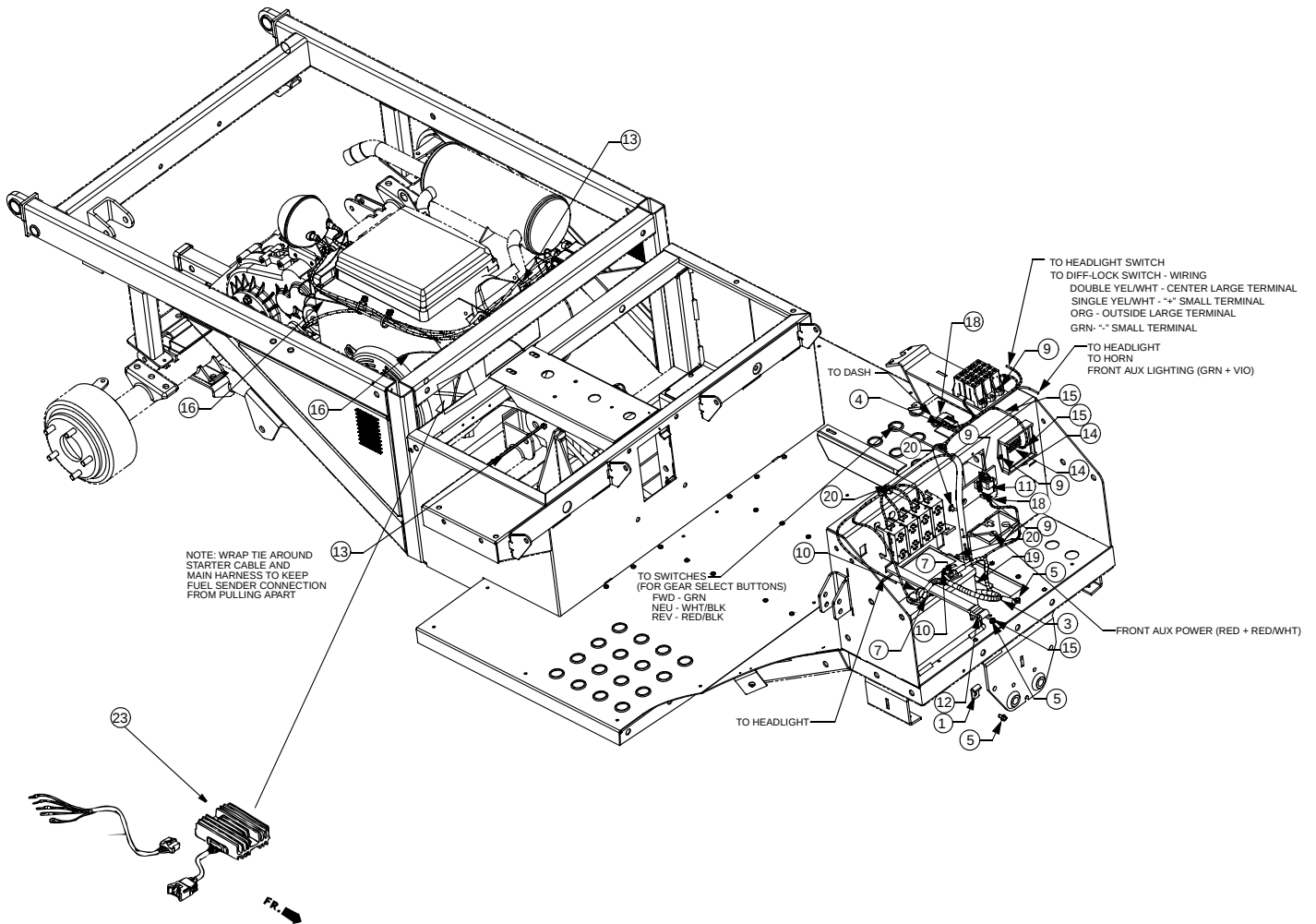
ELECTRICAL SCHEMATIC



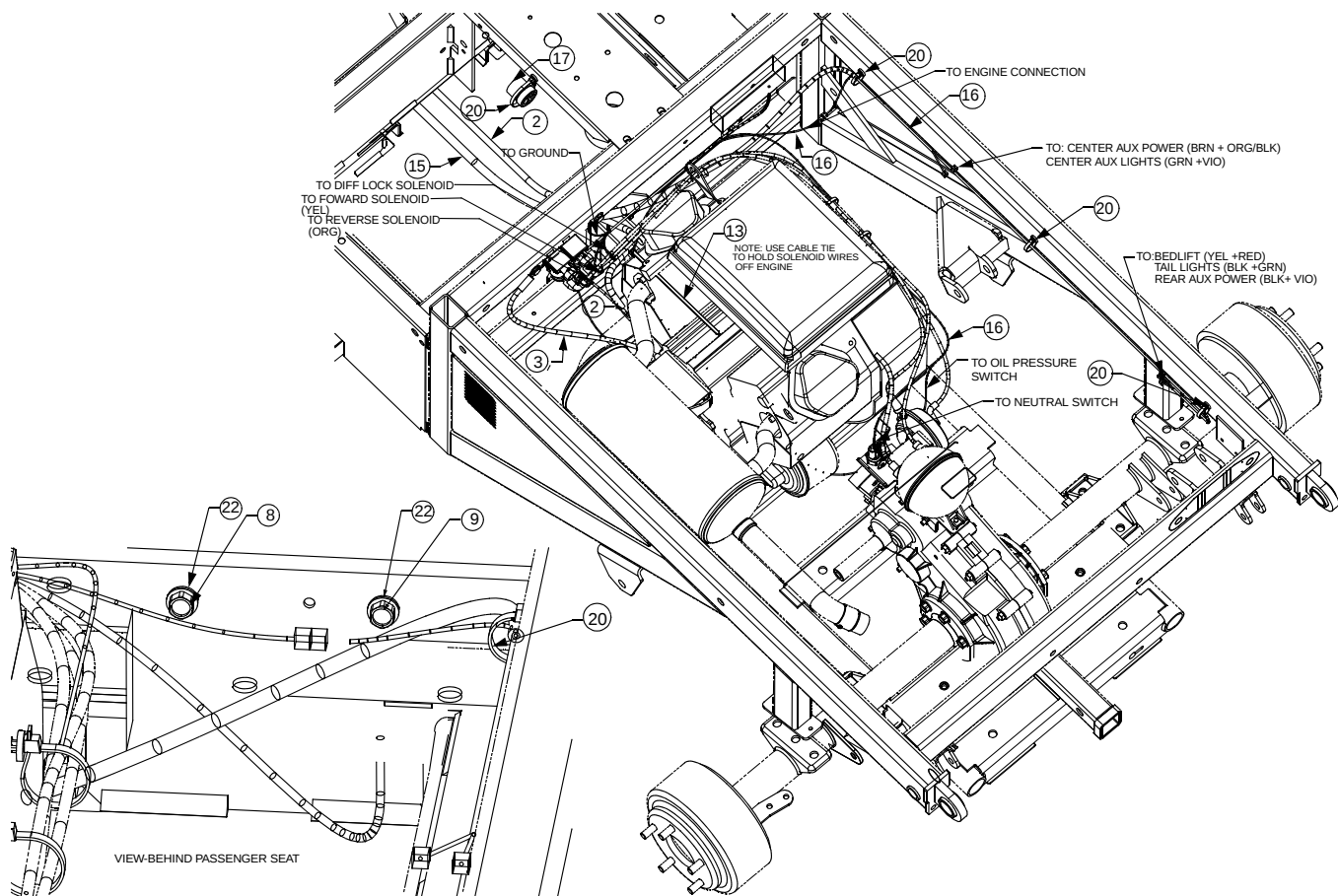
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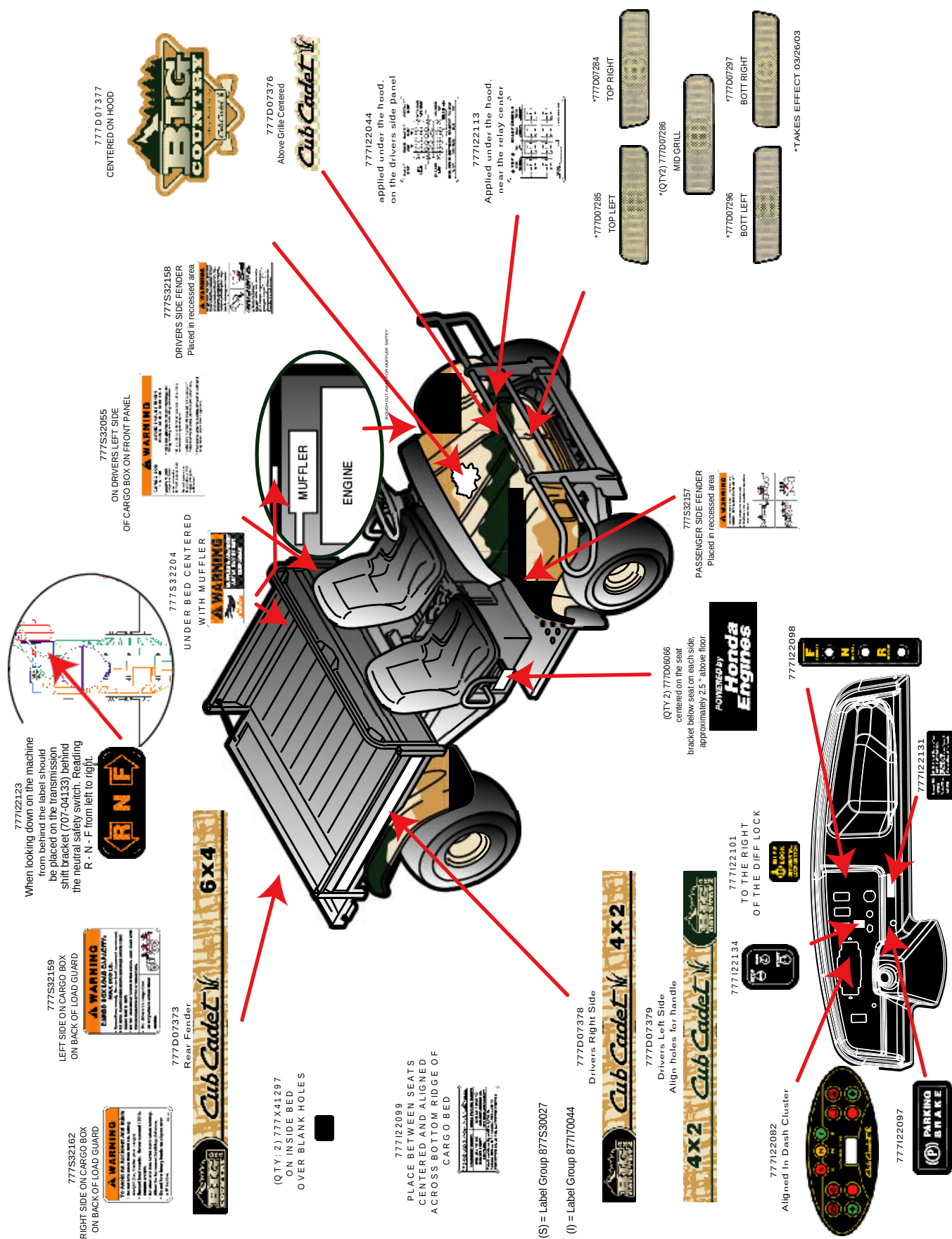
ELECTRICAL SYSTEM



ELECTRICAL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	16606	Bracket, Retainer Hook	1
2	629-04054	Harness Assembly, Starter	1
3	629-04060	Harness Assembly, Motor Ground	2
4	710-04030	Screw, 1/4-20 x .50	2
5	710-0599	Screw, Self-tapping, 1/4-20 x 0.500	3
6	710-0607	Screw, Self-tapping, 5/16-18 x .50	1
7	710-0703	Screw, Hex Carriage, 1/4-20 x .75	2
8	710-0788	Screw, Self-tapping, 1/4-20 x 1.000	2
9	710-3009	Screw, #10-24 x 0.75	8
10	712-0271	Nut, Hex Sems, 1/4-20	2
11	721-3049	Cover, Protective	1
12	723-3064	Strap, Battery	1
13	725-0157	Cable Tie, 3/16 x .05 x 7.4	2
14	725-04059	Control, Shaft	1
15	725-04065	Harness, Utility Main	1
16	725-04066	Harness, Motor	1
17	725-04069	Control, Reverse	1
18	725-1657A	Switch	2
19	725-1738	Battery	1
20	726-0470	Cable Tie, .19 x 8.39 Tree Mount	8
21	726-3046	Clip .250 Dia.	2
22	736-0329	Lock Washer, 1/4	2
23	31620-ZG500-3	Rectifier Assembly, Regulator (20A)	1



NOTES

NOTES

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