

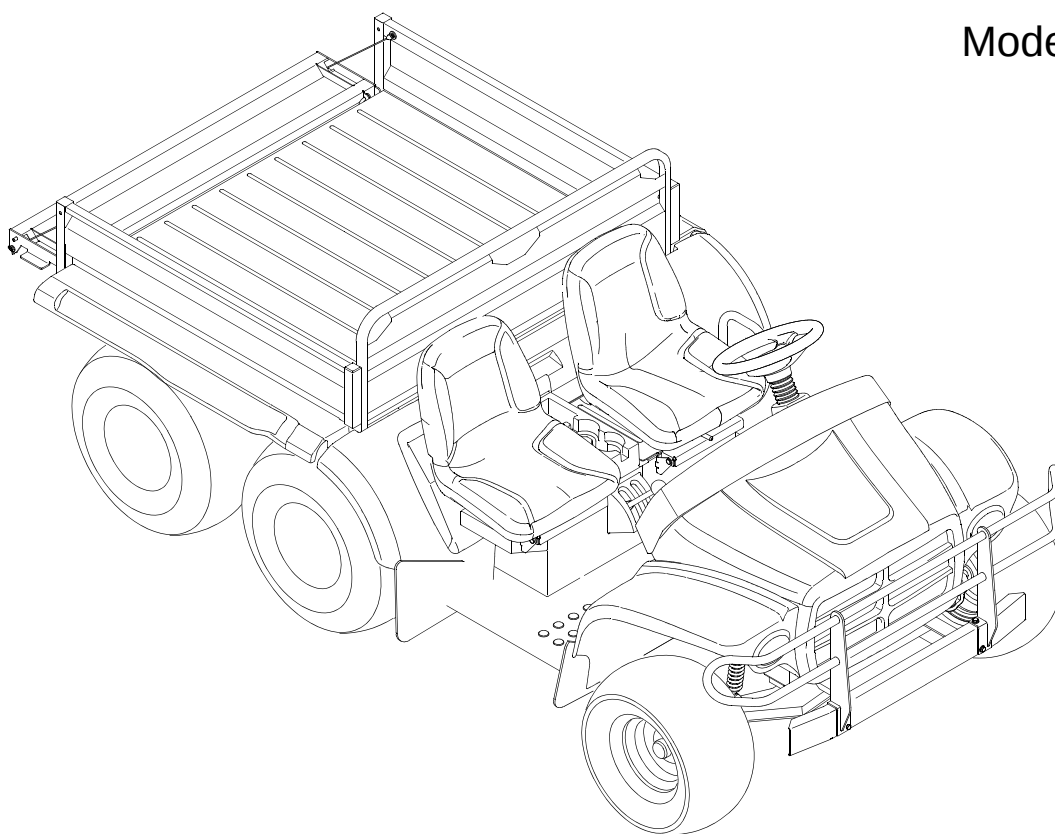


Part's Manual



6x4 Utility Vehicle

Model 642



CUB CADET LLC P.O. BOX 361131 CLEVELAND, OHIO 44136-0019

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1/04

MODEL 642

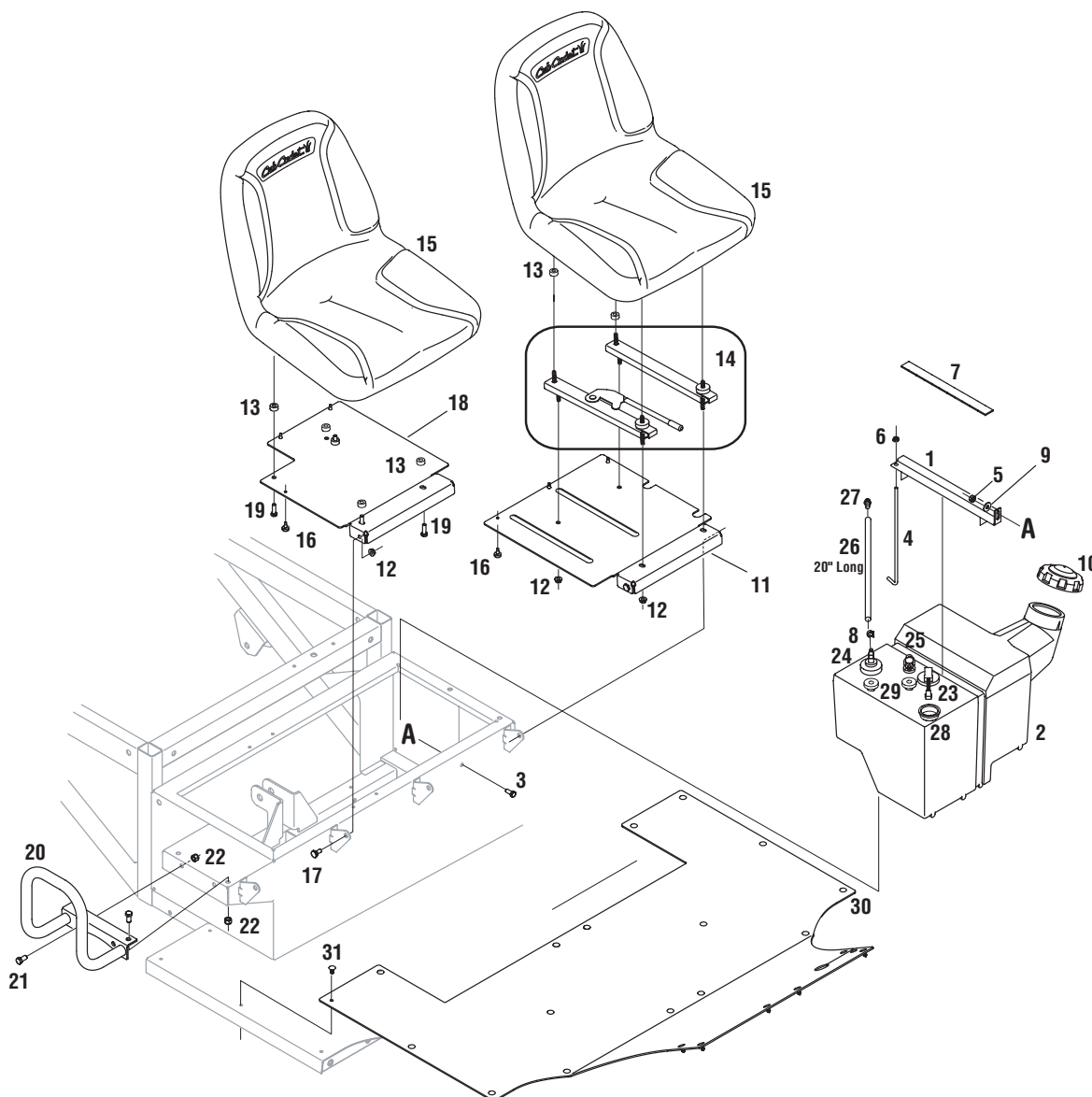
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NOTE: For **painted parts**, please refer to the list of color codes below. Please add the applicable color code, wherever needed, to the part number to order a replacement part. For instance, if a part, numbered 700-xxxx, is painted Cub Yellow, the part number to order would be 700-xxxx-0498.

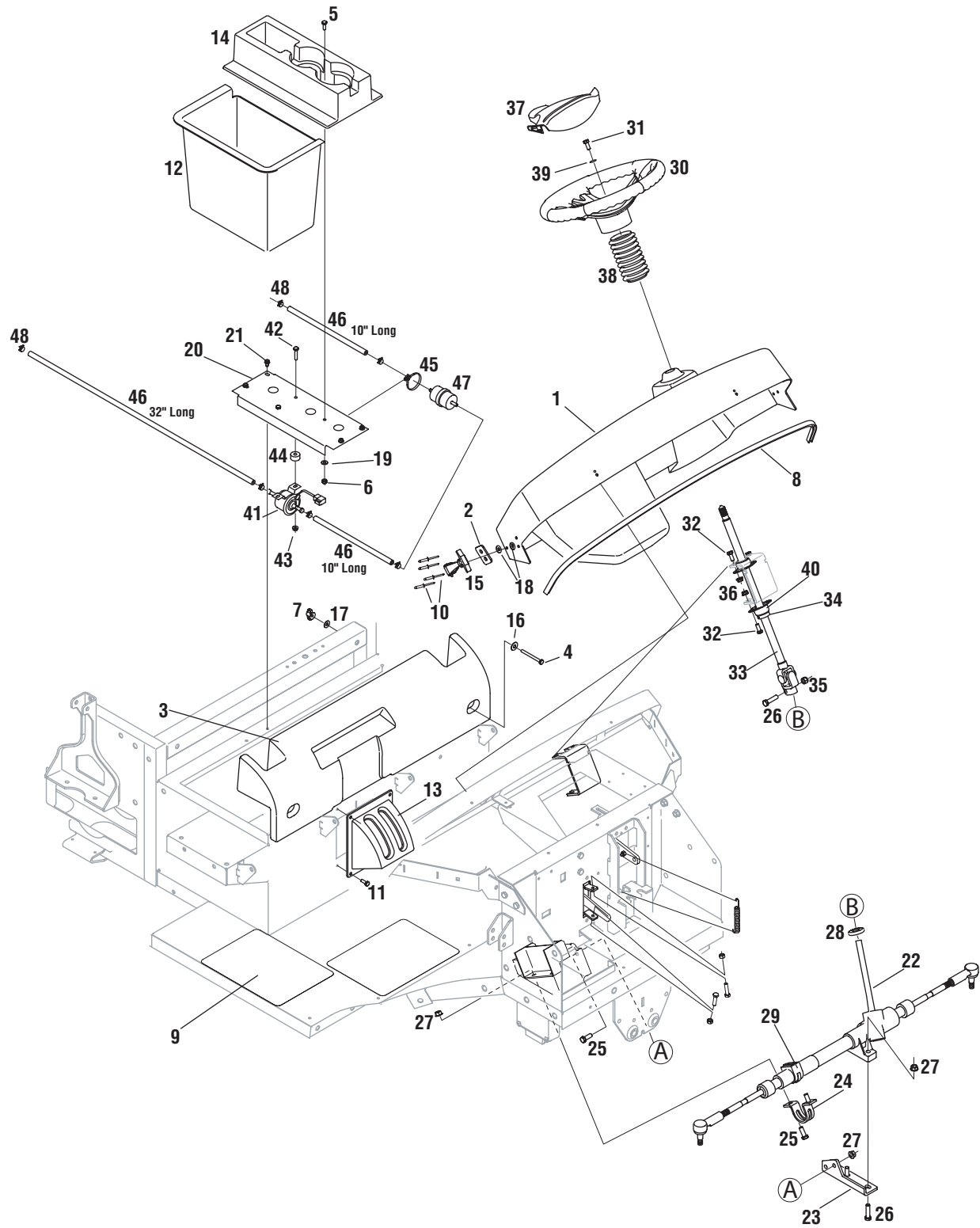
Cub Yellow: 0498
Cub Beige: 0499
Powder Black: 0637

SEATS AND FUEL TANK



REF. NO.	PART NUMBER	DESCRIPTION	QTY	REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	607-0034	Bracket Assembly, Fuel Tank	1	16	735-0271	Bumper	6
2	631-04097	Tank Assembly, Fuel (Incl. valve, grommets, cap. switch & fitting)	1	17	738-0140	Shoulder Screw, .435 x.178-5/16 x.56	4
	751-10064	Fuel Tank Only		18	707-04062A	Plate, Seat, RH	1
3	710-3008	Hex Screw, 5/16-18 x .75	1	19	710-0376	Hex Screw, 5/16-18 x 1.0	4
4	711-1768	Hold-down Rod, Fuel Tank	1	20	649-04002	Tube, Grab Handle	2
5	712-0265	Sems Nut, 5/16-18	1	21	710-0216	Hex Screw, 3/8-16 x.75	8
6	712-3027	Nut, Flange Lock, 1/4-20	1	22	712-0130	Nut, Hex Lock Nylon, 3/8-16	8
7	721-04006	Gasket, Fuel Tank (11")	1	23	725-2068	Low Fuel Sensor	1
8	726-0205	Clamp, Hose	1	24	751-3174	Fuel Return Fitting	1
9	736-0159	Washer, .349 x .879 x .063	1	25	737-04010	Fuel Tank Shut Off Valve	1
10	751-0852	Cap, Fuel	1	26	751-0535	Fuel Line Hose	20
11	707-04061A	Plate, Seat, LH	1	27	737-0296	Vent	1
12	712-3004A	Nut, Flange Lock, 5/16-18, Gr5	8	28	735-0699	Grommet	1
13	750-0258	Spacer, Seat	6	29	741-04006	Fuel Tank Grommet	2
14	757-0389	Track Assembly, Seat	1	30	735-04001	Floor Mat	1
15	757-04008A	Seat	2	31	726-0465	Retainer Clip	17

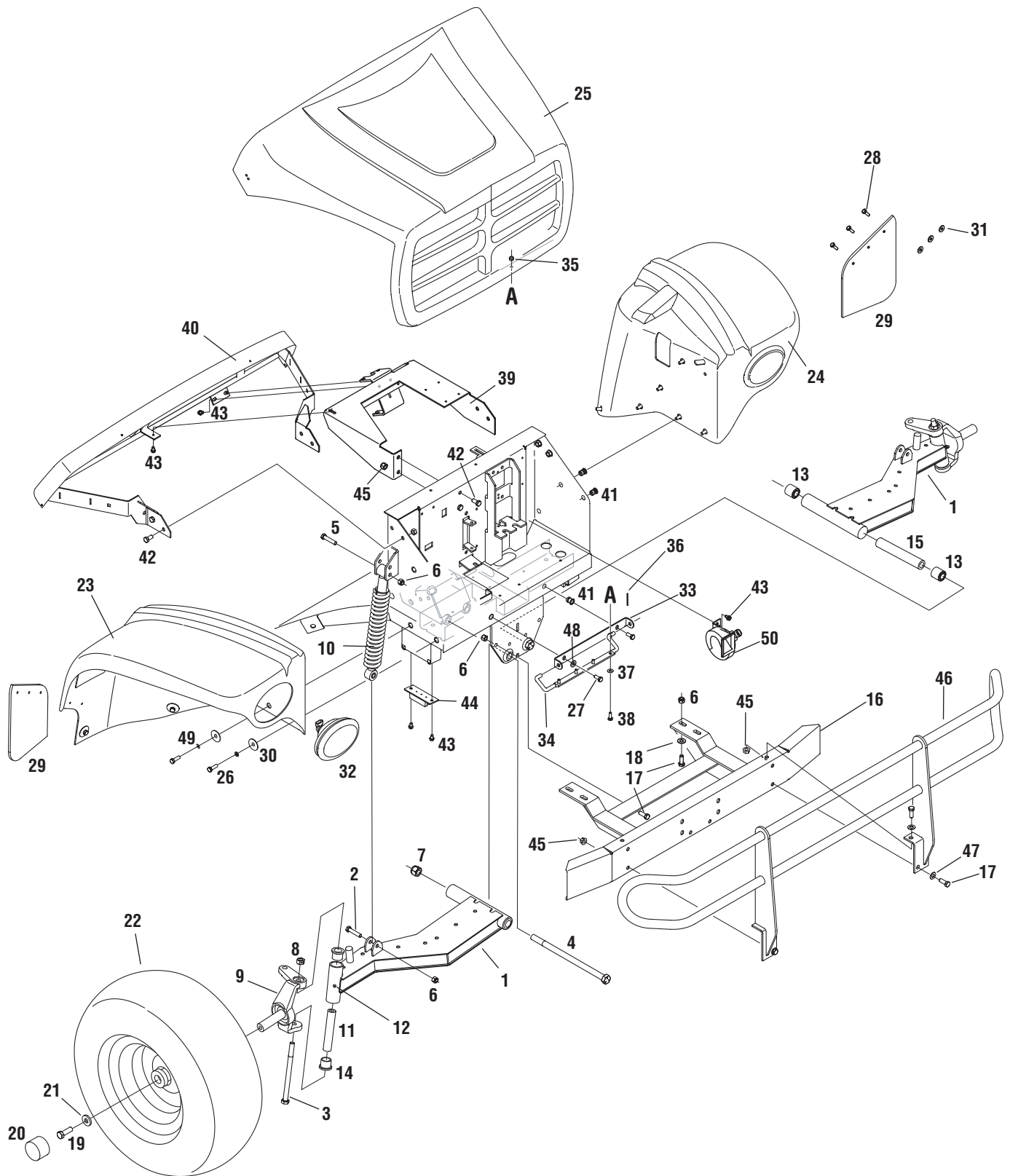
STEERING



STEERING

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	631-04105	Dash Assembly	1
2	707-04252	Hood Mounting Plate	2
3	731-2952	Panel, Airbox Cover	1
4	710-0564	Hex Screw, 1/4-20 x 2.75	2
5	710-3015	Hex Screw, 1/4-20 x .75, Gr5	1
6	712-0324	Hex Lock Nut, Nylon, 1/4-20	1
7	712-0397	Wing Nut, 1/4-20	2
8	721-04070	Trim, Bulb Seal, 1/4	1
9	723-3069	Foot Pad, Abrasive	4
10	728-0173	Rivet, Pop,.187	10
11	728-04004	Rivet, Pop,.188	4
12	731-04033A	Container, Bulkhead	1
13	731-2953A	Panel, Shift Cover	1
14	731-2648	Console, Cup Holder	1
15	735-04038	Handle, Latch	2
16	736-0195	Flat Washer, 349 x.875 x.04	2
17	736-0173	Washer, Flat,.28 x.74 x.063	2
18	736-0400	Washer, Flat,.194 x.62 x.063	4
19	736-0463	Washer, Flat,.25 x.630 x.0515	1
20	707-04278	Plate, Console Support	1
21	710-0599	Screw, Self-tapping, 1/4-20 x.5	4
22	617-0075A	Gear Assembly, Steering	1
23	707-04074	Steering Bracket, Sector Clamp	1
24	707-0417	Bracket, Steering Mounting	1
25	710-0514	Hex Screw, 3/8-16, 1.00, Gr5	4
26	710-0520	Hex Screw, 3/8-16, 1.50, Gr5	3
27	712-0431	Nut, Flange Lock, 3/8-16	6
28	735-0801	Grommet, Steering Shaft	1
29	741-0763	Bushing, Rubber	1
30	631-04008	Wheel, Steering	1
31	710-1880	Hex Screw, 5/16-18,.75, Gr5, Patch	1
32	710-3008	Hex Screw, 5/16-18, .75, Gr5	4
33	711-04231	Shaft, Steering, 5/8 Spline	1
34	711-1774	Collar, .75	2
35	712-0130	Nut, Hex Lock Nylon, 3/8-16	1
36	712-3004A	Nut, Flange Lock, 5/16-18	4
37	731-04532	Cover, Steering Wheel	1
38	731-0954	Bellow, Steering, 4.75 Lg	1
39	736-0275	Washer, Flat,.344 x.688 x.065	1
40	741-04000	Bearing, Flange,.75 ID, Self-Aligning	2
41	651-04003	Pump Assembly, Fuel	1
42	710-0106	Hex Screw, 1/4-20 x 1.25	2
43	712-3027	Flange Lock Nut, 1/4-20	2
44	722-0160	Bushing,.96OD x.50	2
45	726-0470	Cable Tie	1
46	751-0535	Fuel Line Hose	52
47	793-00003	Fuel Filter	1
48	726-0205	Clamp, Hose	6

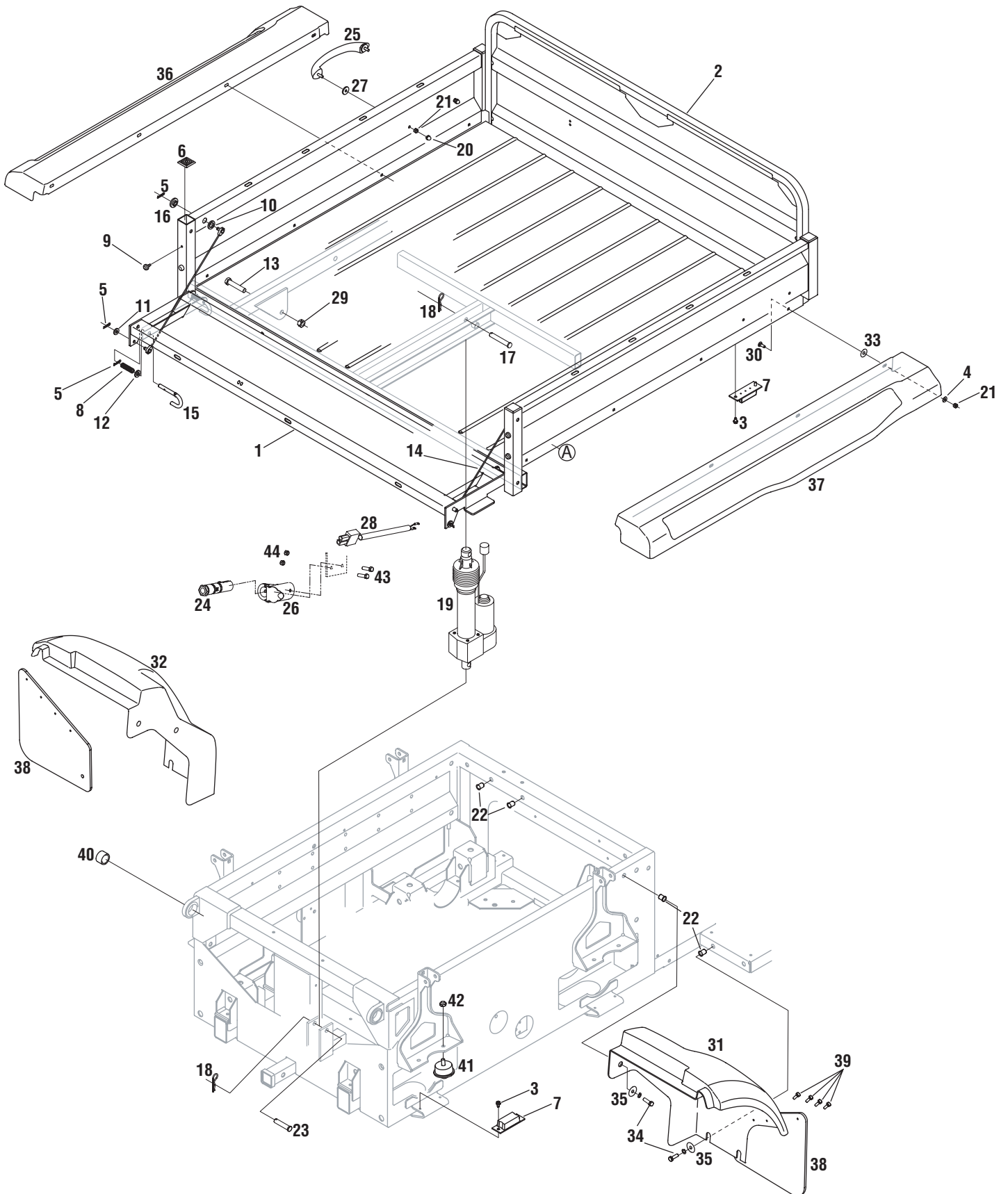
FRONT END



FRONT END

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	607-04004	Axle Assembly, Right-front (Incl. Ref 12 - 15)	1
—	607-04005	Axle Assembly, Left-front (Incl. Ref 12 - 15)	1
2	710-0347	Hex Screw, 3/8-16 x 1.75	2
3	710-04012	Hex Screw, 1/2-13 x 7.0, Gr5	2
4	710-04120	Hex Screw, 5/8-11 x 11.13, Gr5	2
5	710-3011	Hex Screw, 3/8-16 x 2.25	2
6	712-0130	Nut, Hex Lock, Nylon, 3/8-16, Gr5	10
7	712-3016	Nut, Hex Lock, Nylon, 5/8-11, Gr5	2
8	712-3022	Nut, Hex Lock, 1/2-13	2
9	723-0618	Steering Control Knuckle, RH	1
—	723-0619	Steering Control Knuckle, LH	1
10	732-04176	Shock Absorber, 2.9 Stroke	2
11	750-1388	Tube, .875 x .50 x 4.75	2
12	737-04006	Grease Fitting	2
13	741-0758	Bearing, .63 ID x 1.19 OD	4
14	741-0762	Bushing, Steering	4
15	750-1357	Spacer, .645 ID x 1.063 OD	2
16	607-0037	Front Bumper Assembly	1
17	710-0514	Hex Screw, 3/8-16 x 1.0	10
18	736-0300	Flat Washer, .406 x .875 x .059	4
19	710-3181	Hex Screw, 1/2-13 x 1.50, Gr5	2
20	731-04029	Dust Cap	2
21	736-04019	Flat Washer, .531 x 1.25 x .181	2
22	634-04035A	Wheel Ass'y, 22 x 11 x 10, RH, All Terr.	1
	634-04036A	Wheel Ass'y, 22 x 11 x 10, LH, All Terr.	1
23	731-04556	Panel, Right Fender, Red	1
24	731-04557	Panel, Left Fender, Red	1
25	731-04552	Panel, Hood, Red	1
26	710-0376	Hex Screw 5/16-18 x 1.00 Gr 5	14
27	710-3008	Hex Screw, 5/16-18 x .75	2
28	728-04004	Pop Rivet	6
29	735-04003	Mud Flap	2
30	736-04004	Washer, Flat, .350 x 1.25 x .06	14
31	736-0400	Flat Washer, .194 x .62 x .063	6
32	625-04017	Head lamp Assembly	2
33	707-04165	Bracket, Hood Mounting	1
34	711-04139	Rod, Hood Mounting	1
35	712-0324	Nut, Hex Lock, 1/4-20	4
36	714-0101	Cotter Pin, Internal, 1.42	1
37	736-3020	Washer, Flat, .271 x .63 x .065	4
38	710-3015	Hex Screw, 1/4-20 x .75	4
39	607-04062	Dash Support Frame Assembly	1
40	607-04065	Upper Dash Frame Assembly	1
41	712-0703A	Insert Nut, 5/16-18	12
42	710-0216	Hex Screw, 3/8-16 x .75	6
43	710-0599	Screw, Self-tapping, 1/4-20 x .5	7
44	731-04016	Suspension Bumper	2
45	712-0431	Flange Lock Nut, 3/8-16	10
46	607-04010	Brush Guard	1
47	736-3050	Flat Washer, .406ID x .810OD x .051	4
48	736-0275	Flat Washer, .344 x .688 x .065	2
49	736-0119	Lock Washer, 5/16	22
50	725-04015	Horn	1

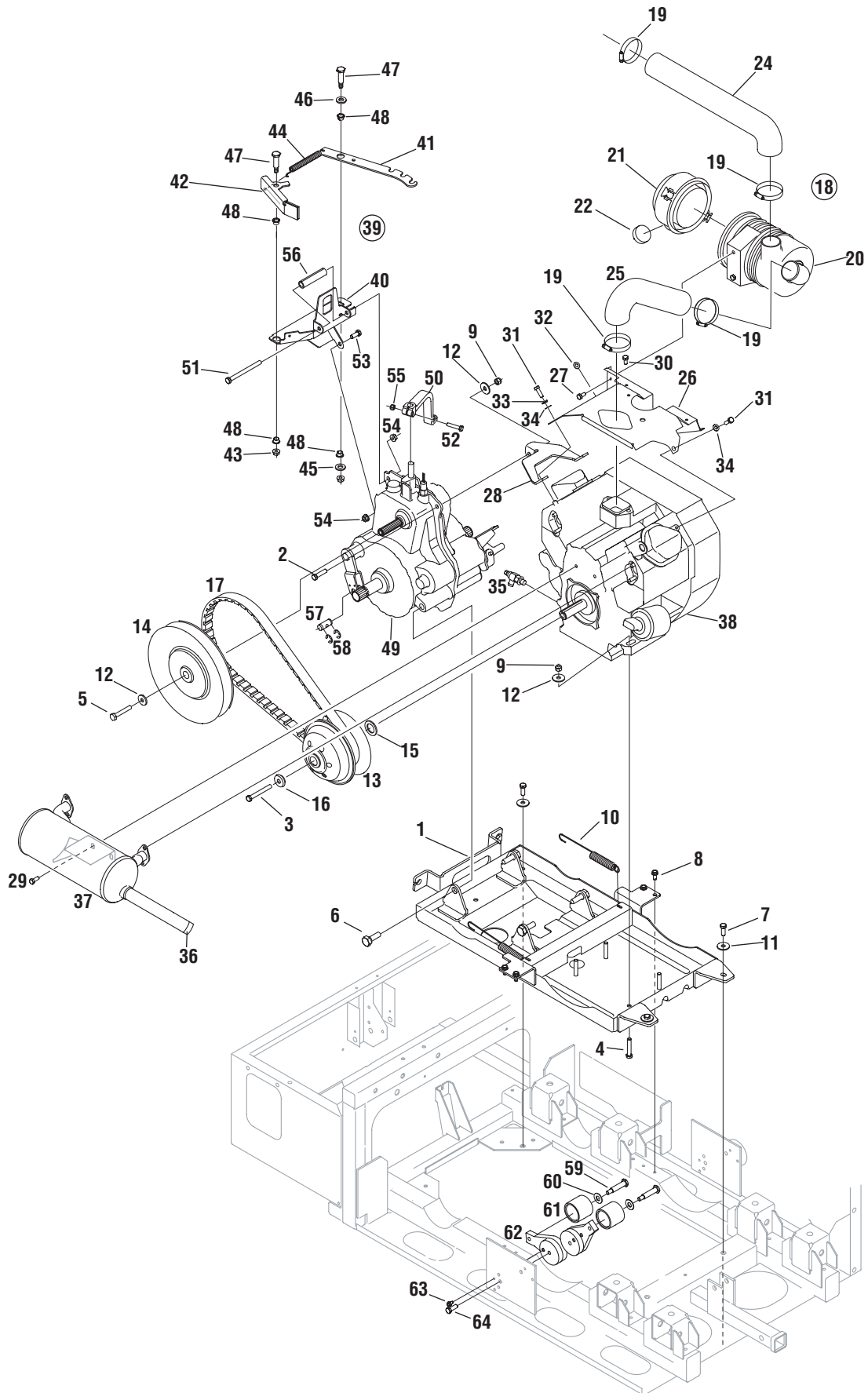
REAR FENDERS AND CARGO BED



REAR FENDERS AND CARGO BED

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	607-04028	Tailgate Assembly	1
2	607-04035	Bed Assembly	1
3	710-0599	Screw, Self-tapping, 1/4-20 x 0.500	12
4	736-3020	Flat Washer,.271 x.630 x.065	8
5	714-0104	Cotter Pin,.072 Dia x 1.13	8
6	720-04036	Plug Cap	4
7	731-04016	Bumper, Extension Suspension	6
8	732-0306	Compression Spring, .406 x .531 x	4
9	735-0271	Bumper, .62Dia x .3	4
10	736-0162	Washer, Flat, .64 ID x 1.0 x .12	2
11	736-3008	Washer, Flat, .344 x .750 x .120	2
12	736-3010	Washer, Flat,.407 x.812 x.135	4
13	710-3233	Screw, Hex, 1/2-13 x 2.5	2
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
17	711-04006	Clevis Pin,.5 x 3.0 Lng.	1
18	714-04003	Cotter Pin	2
19	725-04077	Electric Actuator, 6" Stroke	1
20	712-0264	Nut, Acorn 1/4-20 w/o Lock	2
21	712-0324	Nut, Hex Lock, 1/4-20	10
22	712-0703A	Nut, Insert 5/16-18	16
23	711-04007	Clevis Pin,.5 x 2.25 Lng.	1
24	725-04018	Plug Receptacle, 12V/15A	1
25	731-04174	Handle, Bag w/Screw	1
26	725-04017	Power Receptacle, 12V/15A	1
27	736-0176	Washer, Flat .265 x .938 x .120	2
28	725-04157	Harness Jumper	1
29	712-3022	Hex Lock Nut, 1/2-13	2
30	710-0703	Hex Screw, 1/4-20 x.75	8
31	731-04558	Fender, Rear RH, Red	1
32	731-04559	Fender, Rear LH, Red	1
33	736-04008	Rubber Washer,.310 x 1.0 x.125	8
34	710-0376	Hex Screw, 5/16-18 x 1.0	8
35	736-0356	Bell Washer,.39 x 1.38 x.062	8
36	731-04553	Bed Skirt Panel, LH, Red	1
37	731-04555	Bed Skirt Panel, RH, Red	1
38	735-04035	Rear Mud Flap	2
39	728-04004	Pop Rivet,.188	8
40	741-0761	Rubber Bushing, Bed Pivot	2
41	731-04011	Bumper, Compression Suspension	8
42	712-04006	Hex Lock Nut, M10-1.25	8
43	710-0473	Screw, #10-24 x.500	2
44	712-0272	Hex Nut, 10-24	2

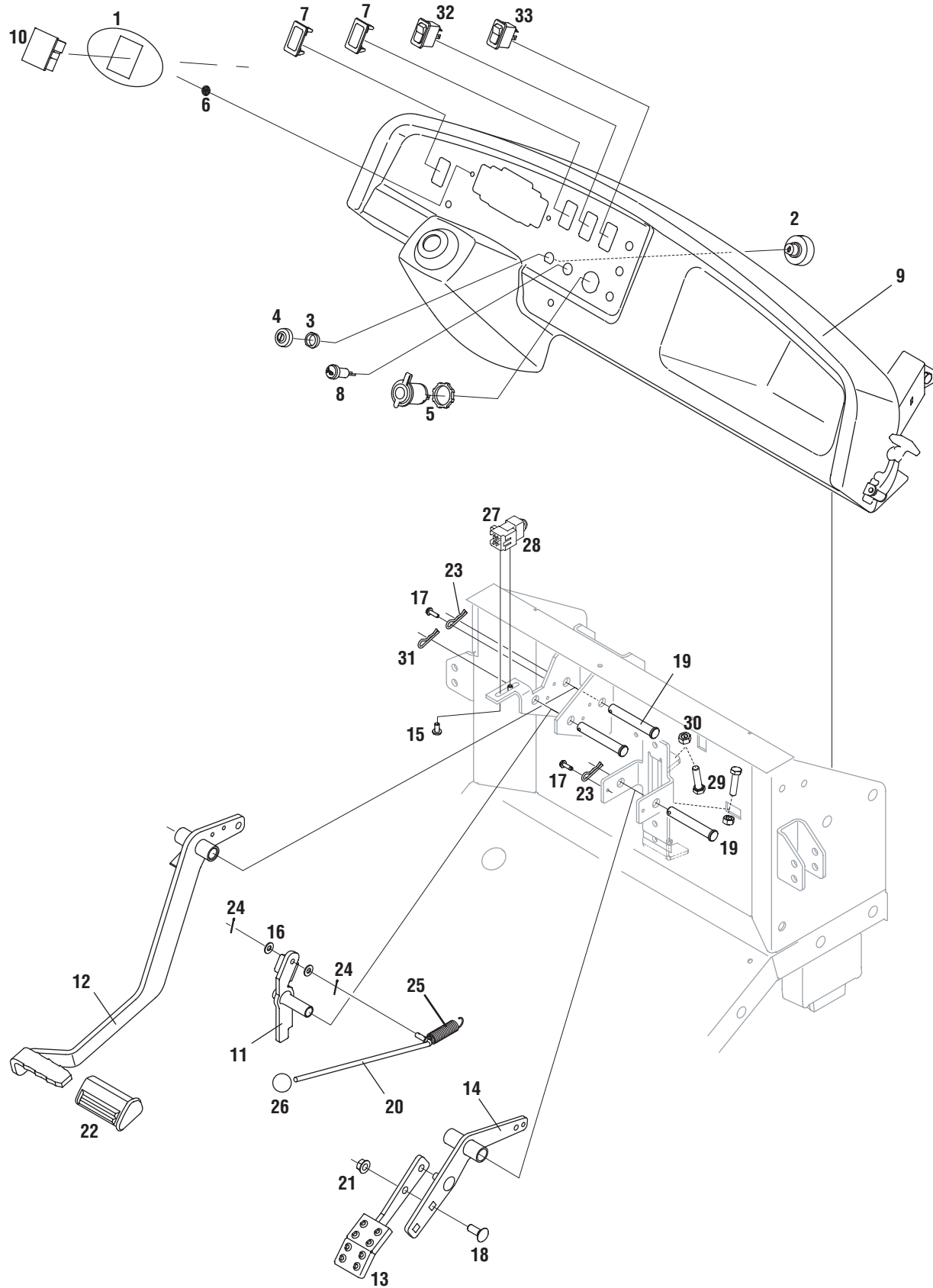
ENGINE AND TRANSMISSION



ENGINE AND TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	QTY	REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	607-0029A	Frame Ass'y, Engine/Trans. Support	1	34	736-0278	Washer, Flat, .33 x .678 x .030	3
2	710-0344	Hex Screw, 3/8-16 x 1.5, Gr5	1	35	737-04013	Valve, Oil Drain	1
3	710-04019	Hex Screw, 3/8-24 x 3, Gr5	1	36	751-0544	Arrestor, Spark 1-1/4	1
4	710-3144	Hex Screw, 3/8-16 x 2.00	4	37	751-0854A	Muffler, Honda GXV	1
5	710-04025	Hex Screw, M10-1.5 x 60mm, Gr8	1	38	852H636740	Engine, <i>Honda</i> GX620K1	1
6	710-04028	Hex Screw, M16-2 x 40mm	4	39	607-04016	Shift Ass'y, Interlock (Incl. 40-48)	1
7	710-0514	Hex Screw, 3/8-16 x 2.25, Gr5	4	40	607-04018	Interlock Shift Bracket	1
8	710-1260A	Hex Screw, 5/16-18 x .75	4	41	607-04017	Interlock Shift Plate	1
9	712-0130	Nut, Hex Lock, 3/8-16	5	42	607-04015	Brake Clutch Lever	1
10	732-1186	Spring, Extension, .795 x 5.42	2	43	712-3005	Hex Flange Lock Nut, 3/8-16	2
11	736-0133	Washer, Flat, .411 x 1.25 x .10	9	44	732-0814	Extension Spring	1
12	736-04005	Washer, Flat, .395 x 1.12 x .14	1	45	736-0105	Bell Washer, .375 x .870 x .063	1
13	618-0686A	Clutch Assembly, Engine	1	46	736-0326	Flat Washer, .510 x 1.0 x .125	1
14	618-0687	Clutch Assembly, Transmission	1	47	738-0213	Shoulder Screw	2
15	736-04009	Washer, 1.03 x 1.625 x .12	1	48	741-0491	Flange Bearing	4
16	738-04002A	Spacer, Drive, .39 ID x 1.00 OD	1	49	618-0685	Transmission, <i>Tuff Torq</i> Model KT 35	1
17	754-0646	V-type Belt, Cogged, 1.19	1	50	707-0369	Lever, Transmission	1
18	651-04000A	Filter Ass'y, Air Cleaner (Incl. 19-27)	1	51	710-0693	Hex Screw, 3/8-16 x 4.50, Gr5	1
19	726-0476	Hose Clamp	4	52	710-0805	Hex Screw, 5/16-18 x 1.50, Gr5	1
20	751-3206	Air Cleaner Canister	1	53	710-3001	Hex Screw, 3/8-16 x .880, Gr5	1
21	751-3208	Air Cleaner Cap	1	54	712-3005	Lock Nut, Hex Flange 3/8-16	2
22	751-3197	Dust Ejector Valve	1	55	712-0429	Nut, Hex Lock, 5/16-18	1
23	751-3207	Air Cleaner Element (Not Shown)	1	56	750-3235	Spacer, .505 x .75 x 3.31	1
24	751-0856	Air Intake Hose	1	57	711-04024	Pin, .625 x 1.37	2
25	751-0851	Air Filter Hose	1	58	716-0106A	E-Ring, .625	4
26	707-04067A	Air Intake Bracket	1	59	738-0509	Shoulder Screw, .50 x 1.825	1
27	710-1376	Hex Screw, M8-1.25	2	60	736-3084	Flat Washer, .510 x 1.12 x .060	1
28	707-0375	Support, Upper Transmission	1	61	731-04078A	Chain Roller	1
29	710-04022	Hex Screw, M8-1.25	2	62	718-04033	Rotary Adjuster	1
30	710-0473	Screw, Machine #10-24 x .50	2	63	710-0599	Self Tapping Screw, 1/4-20 x .50	1
31	710-3206A	Hex Screw, M8-1.25 x 25, Gr8	3	64	710-3118	Hex Screw, 3/8-16 x 1.00	1
32	735-0226	Grommet, Rubber.66 ID x 1.25 OD	1	-	737-3119	Oil, Shell TTF-SB	*
33	736-0119	Washer, Lock, 5/16	2				

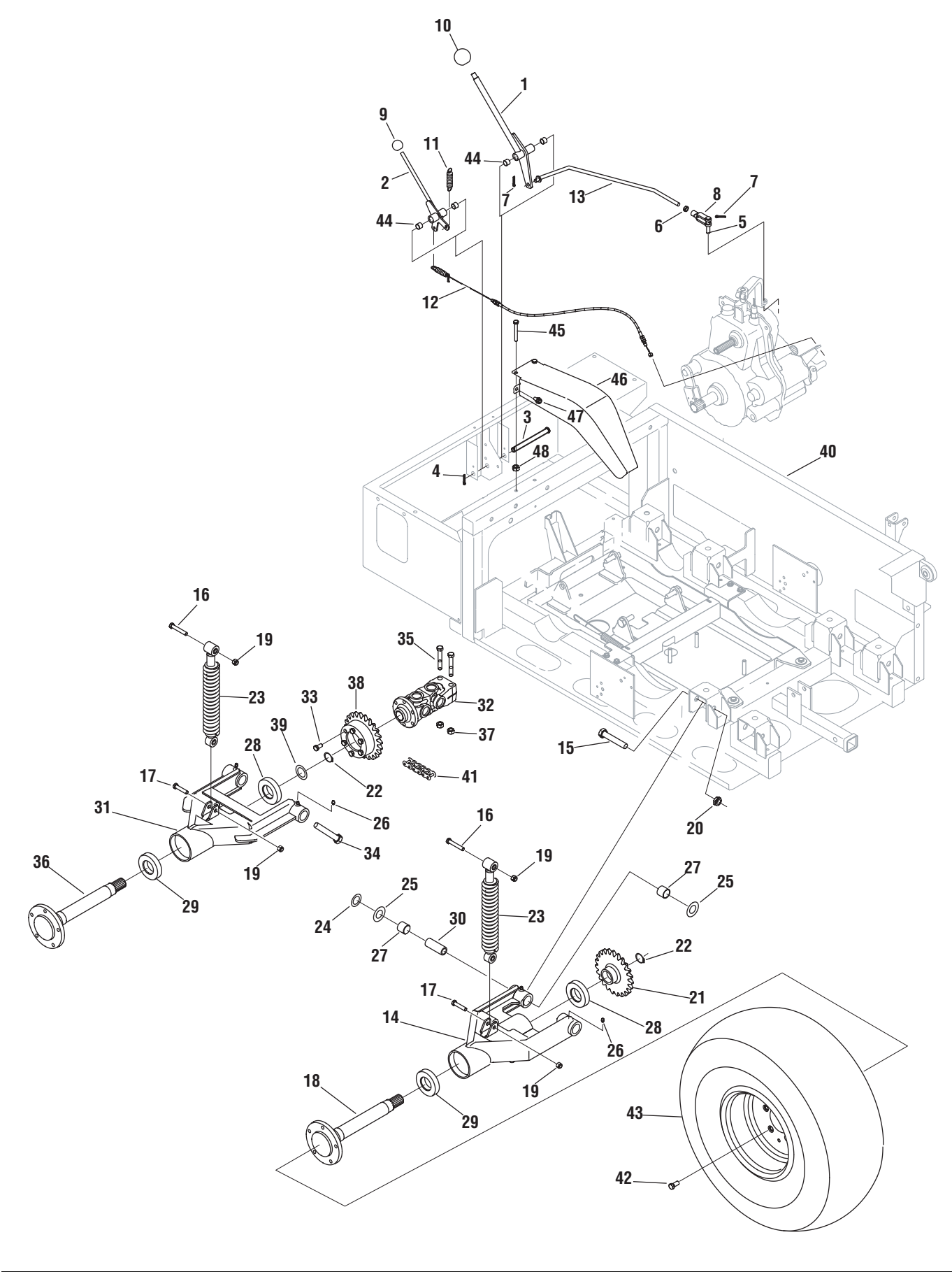
PEDALS AND DASH



PEDALS AND DASH

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	731-04755	Instrument Dash Cover	1
2	725-3284	Key Switch	1
3	731-1346	Nut, Ignition Switch, 5/8-32	1
4	731-1347	Cap, Ignition Switch	1
5	725-2003	Power Receptacle, 12V	1
6	726-0293	Nut, Retainer, 1/8	2
7	731-04010	Switch Plug Panel	2
8	731-04014	Horn Switch	1
9	731-04676	Dash Panel	1
10	725-04022	Hour Indicator Meter	1
11	607-0021	Lever, Parking Brake	1
12	607-04077	Pedal Assembly, Brake	1
13	607-04082	Pedal Assembly, Throttle	1
14	607-04083	Pedal Arm Assembly, Throttle	1
15	710-04030	Screw, Hi-Lo, 1/4-20 x .5	2
16	736-0463	Washer, Flat .25 x .630 x .0515	2
17	710-1237	Screw, Self-tapping, #10-32 x .625	2
18	710-3168	Bolt, Carriage, 3/8-16 x 1.0	2
19	711-04067	Pin, Clevis.50 x 3.25	3
20	711-1765	Rod, Brake Lock	1
21	712-0431	Nut, Flange Lock, 3/8-16	2
22	735-3049	Pad, Brake Pedal	1
23	714-0147	Pin, Cotter,.125 x 1.75	2
24	714-0127	Pin, Cotter, 1/16	2
25	732-1187	Spring, Extension, .637 x 2.972	1
26	720-04001	Knob, Ball	1
27	721-3049	Cover, Protective	1
28	725-1657A	Snap Mount Switch, Interlock	1
29	710-0528	Hex Screw, 5/16-18 x 1.25	2
30	712-3010	Hex Nut, 5/16-18	2
31	714-0101	Cotter Pin	1
32	725-04012	Bed Lift Switch	1
33	725-04016	Power Receptacle Switch	1

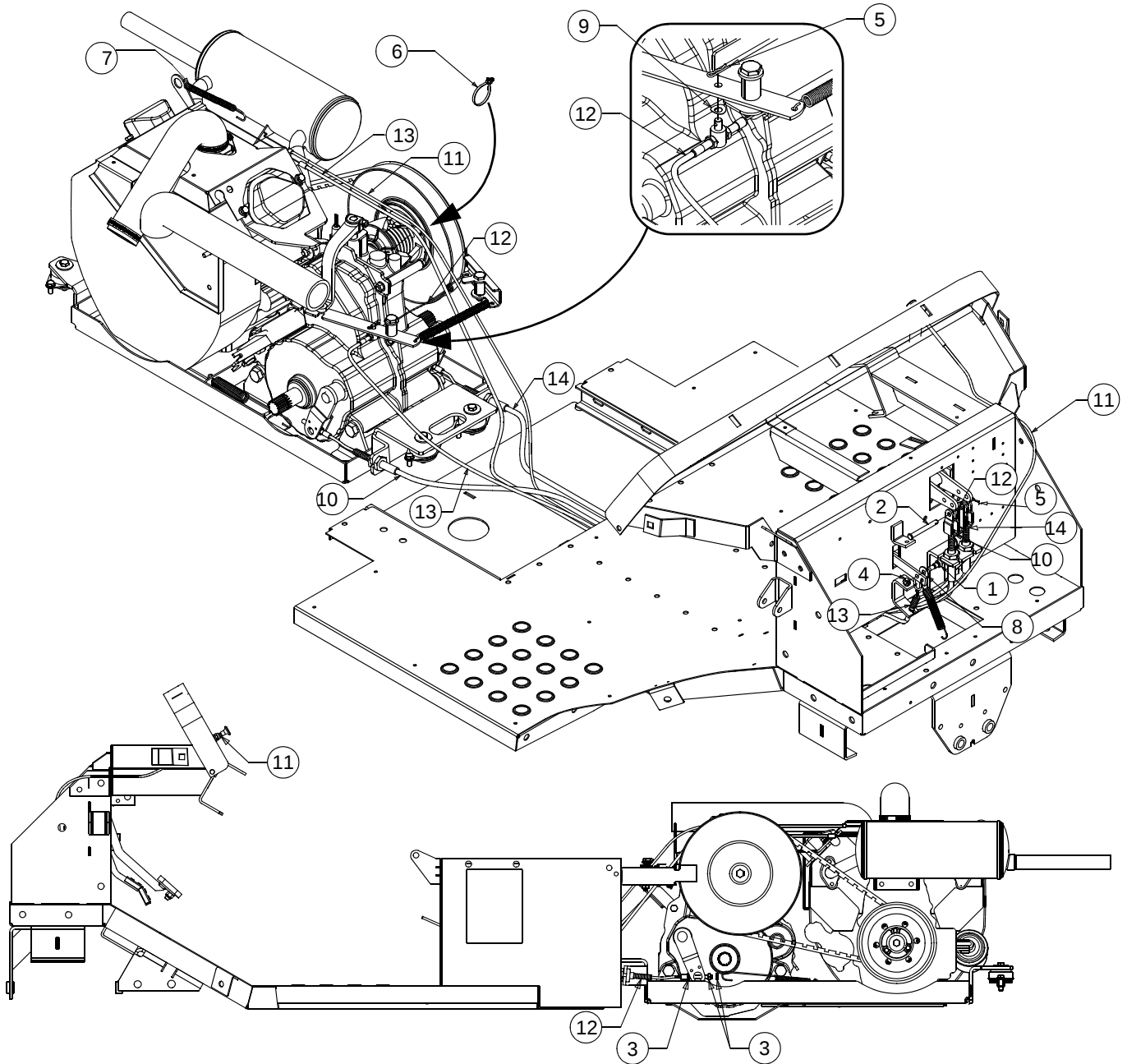
SHIFTER ASSEMBLY AND REAR/CENTER SUSPENSION



SHIFTER ASSEMBLY AND REAR/CENTER SUSPENSION

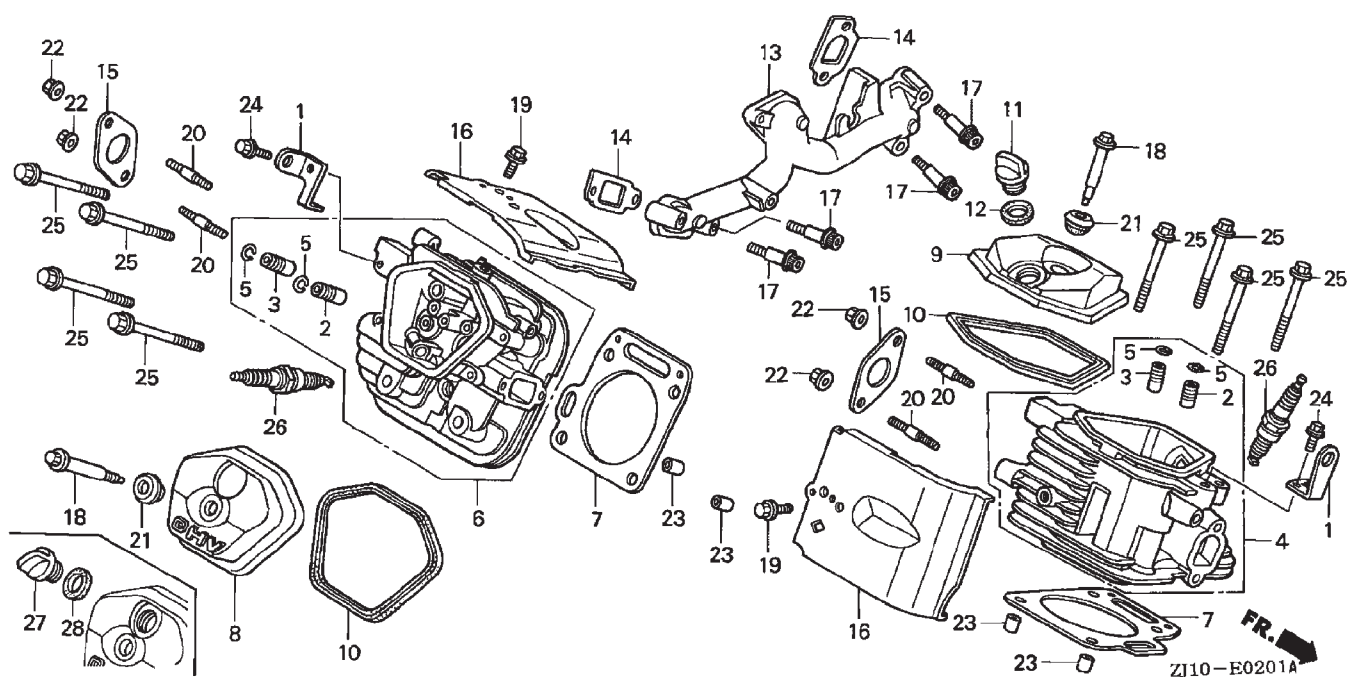
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	647-0069B	Lever Assembly, Transmission	1
2	647-0071A	Shifter Assembly, Differential Lock	1
3	711-04068	Pin, Clevis,.50 x 5.375	1
4	714-0115	Pin, Cotter	1
5	711-04017	Pin, Clevis, .375 x 2.0	1
6	712-0711	Nut, Jam, 3/8-24	1
7	714-0104	Pin, Cotter, .072 x 1.13	2
8	719-3013	Clevis, Adjustment	1
9	720-04002	Knob, Ball	1
10	720-0434	Knob, Ball	1
11	732-1187	Spring, Extension, .637 x 2.972	1
12	746-04004	Control Cable, Differential Lock	1
13	747-04010A	Shifter Rod, Transmission	1
14	607-0042A	Axle Support Assembly, Rear Weld	1
15	710-0298	Screw, Hex, 5/8-18 x 3.5, Gr5	2
16	710-3011	Screw, 3/8-16 x 2.25	4
17	710-0347	Screw, 3/8-16 x 1.75	4
18	711-1764	Axle Shaft, Rear Drive	1
19	712-0130	Nut, Hex Lock, 3/8-16	8
20	712-0413	Jam Nut, Lock, 5/8-18	4
21	713-04007	Sprocket	1
22	716-0401	Retaining Ring, External, 1.14	4
23	732-04176	Shock Absorber, 2.9Stroke	4
24	736-0424	Washer, Flat, 1.06 x 1.56 x .020	8
25	736-3046A	Washer, Flat, 1.010 x 1.86 x .060	16
26	737-3000	Lube Fitting, 3/16	8
27	741-04030	Bearing Flange, 1.0 x 1.125 x 1.0	16
28	741-0759	Ball Bearing, Internal Axle	4
29	741-0760	Ball Bearing, External Axle	4
30	750-04004	Spacer, .63 x 1.0 x 2.594	8
31	607-0043A	Axle Support Assembly, Center Weld	2
32	623-0026A	Weld Coupling Assembly	2
33	710-3119	Screw, Hex, 3/8-16 x .75, Gr5	12
34	710-0298	Screw, Hex, 5/8-18 x 3.5, Gr5	4
35	710-3229	Screw, Hex, 7/16-14 x 2.75, Gr5	4
36	711-1763	Axle Shaft, Drive Center	2
37	712-0290	Nut, Hex Lock, 7/16-14	4
38	713-04005	Sprocket, Hub, 1.75 - 23T	2
39	750-1389	Spacer, 1.78 x 1.88	2
40	607-04084	Frame Assembly, Complete	1
41	713-0605	Chain, 60-97 Pitch	2
42	710-04009	Hex Screw, 7/16-20 x 1.5, Gr5	20
43	634-04108	Wheel Ass'y, 25 x 11 x 10, RH, All Terr.	2
	634-04109	Wheel Ass'y, 25 x 11 x 10 LH, All Terr.	2
44	741-04002	Bushing,.504 x.628 x.50	4
45	710-0378	Hex Screw, 5/16-18 x 2.50	2
46	707-04006	Belt Guard	1
47	710-0759	Screw, 5/16-18 x.625	2
48	712-3009	Hex Lock Nut, 5/16-18	2

CABLES



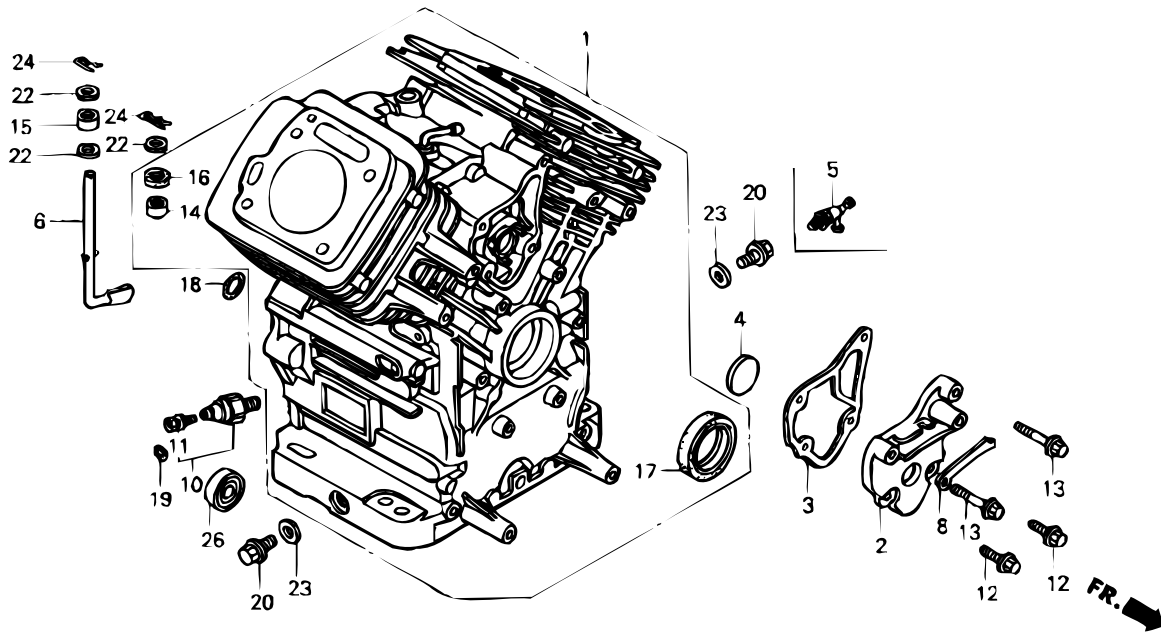
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	710-04027	Screw, Shoulder, .375 x .375	1
2	711-0813	Pin, Clevis, 5/16 x 2.5	1
3	712-3025	Nut, Jam, 5/16-24, Gr5	6
4	712-3009	Nut, Hex Lock, 5/16-18	1
5	714-0104	Pin, Cotter, .072 x 1.13	2
6	726-0470	Cable Tie, Tree Mount	1
7	732-0470A	Extension Spring	1
8	736-0159	Washer, .349 x .879 x .063	1
9	736-0271	Washer, Spring, .317 x .879 x .063	1
10	746-04000	Cable, Control, Brake	1
11	746-04002	Cable, Control, Choke	1
12	746-04006	Cable, Control, Clutch Brake	1
13	746-04042	Cable, Control, Throttle	1
14	746-04125	Cable, Control, Brake	1

ENGINE — CYLINDER HEAD



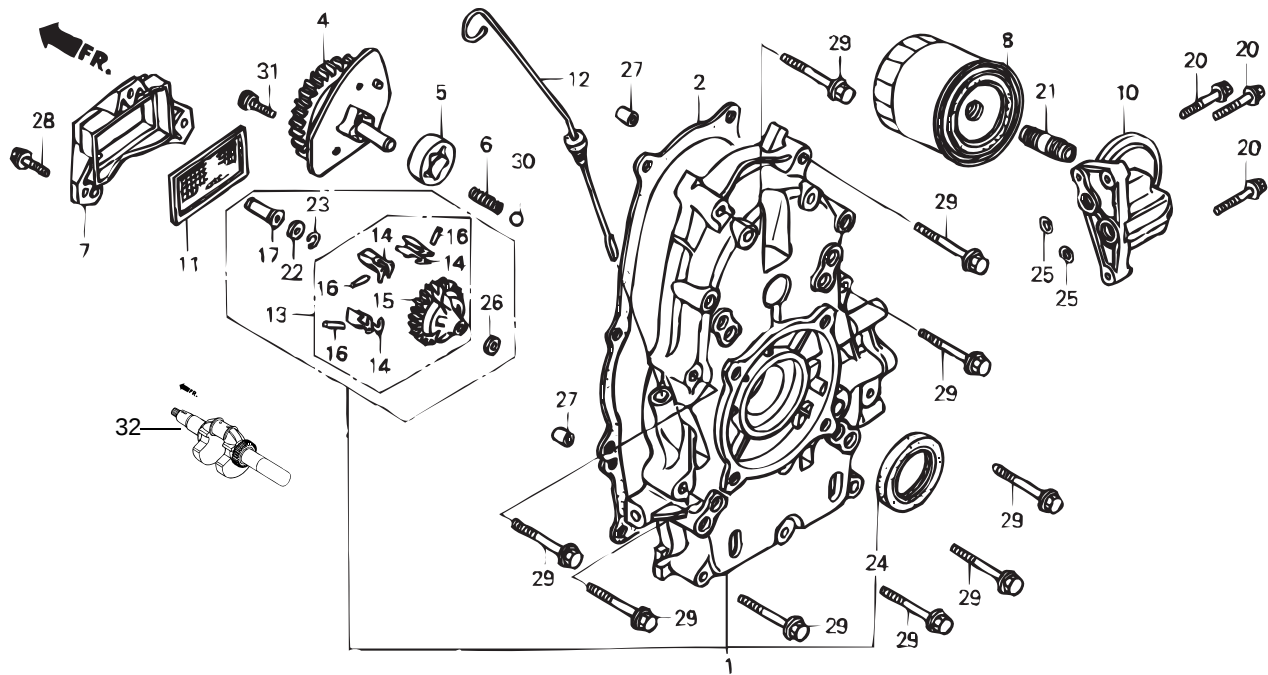
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	11911-ZJ1-840	Hanger, Engine	2
2	12204-ZE2-306	Guide, Valve (OS)	2
3	12205-ZJ1-405	Guide, Ex. Valve (OS)	2
4	12210-ZJ1-840	Cylinder Head (#1)	1
5	12216-ZE2-300	Clip, Valve Guide	4
6	12220-ZJ1-840	Cylinder Head (#2)	1
7	12251-ZJ1-841	Gasket, Cylinder Head	2
8	12311-ZJ1-840	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



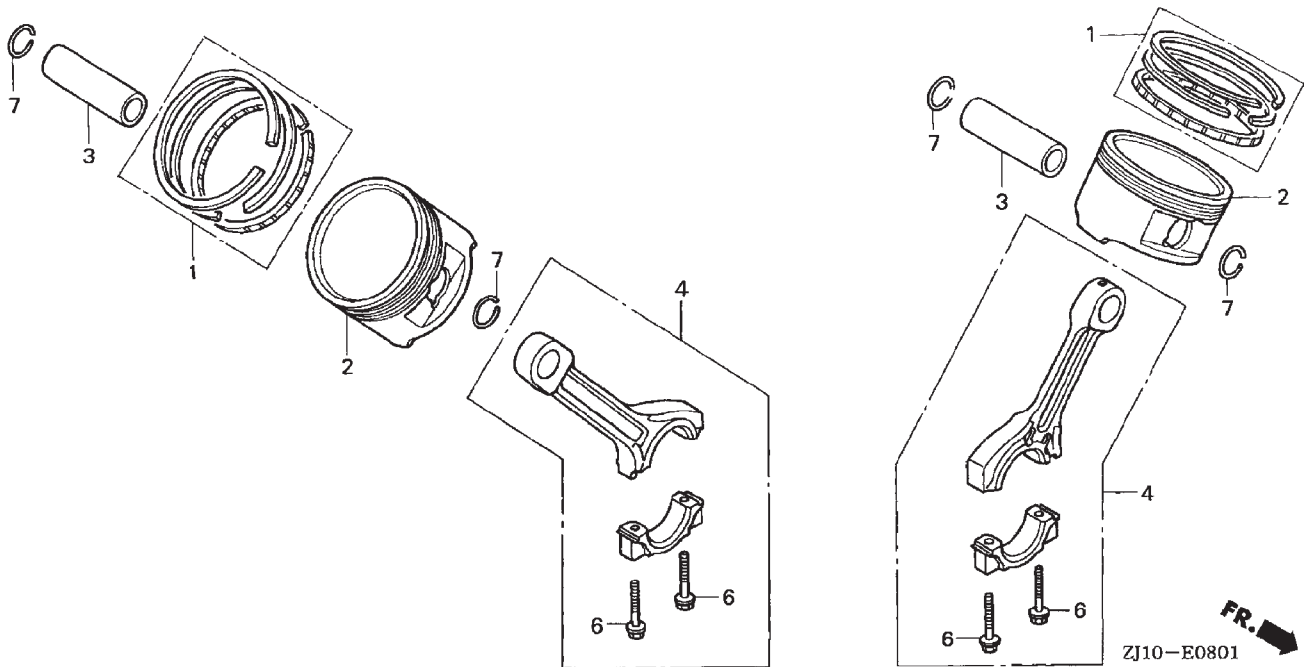
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	12000-ZJ1-841	Cylinder Assembly	1
2	12356-ZJ1-000	Cover, Breather	1
3	12358-ZJ1-000	Gasket, Breather Cover	1
4	12372-ZE2-300	Valve, Breather	1
5	15558-ZJ1-010AH	Valve, Drain (14x1.5)	1
6	16541-ZJ1-840	Shaft, Governor Arm	1
8	31511-ZJ1-000	Clamp, Wire	1
10	37240-ZG3-E01	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



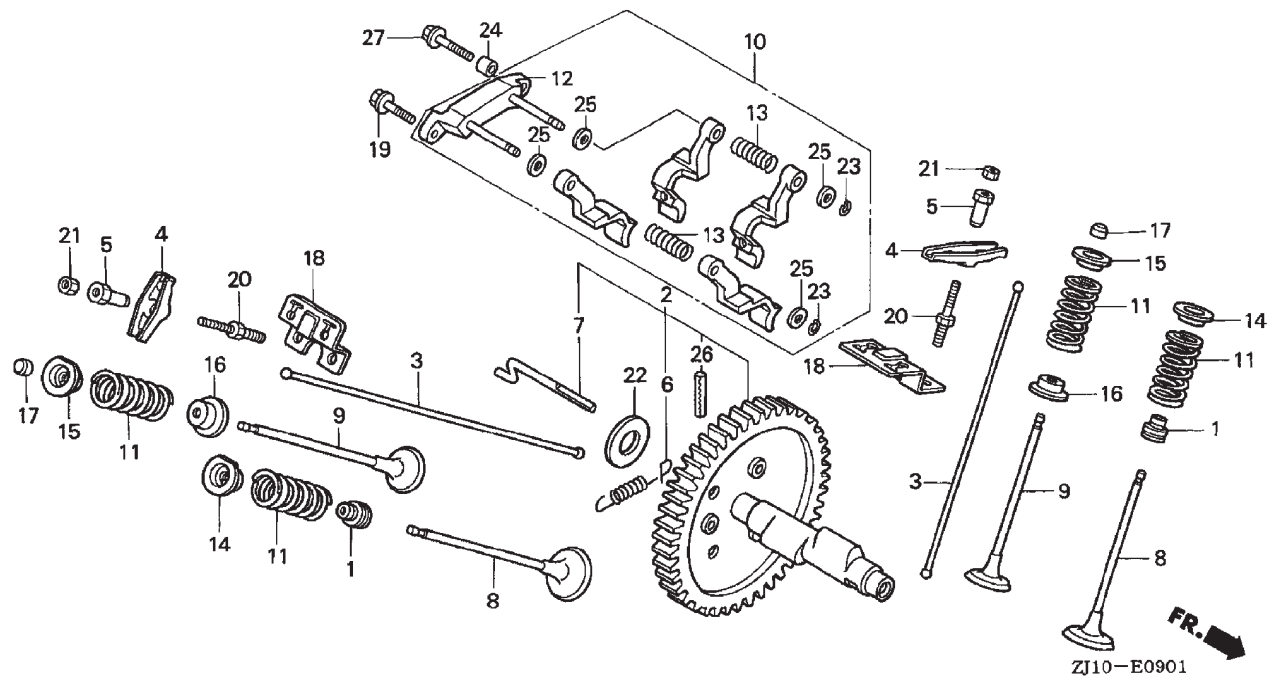
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	11300-ZJ1-840	Cover Assembly, Crankcase (Q-type)	1
2	11381-ZJ1-840	Gasket, Case Cover	1
4	15120-ZJ1-000	Cover Assembly, Oil Pump	1
5	15124-ZJ1-003	Rotor, Oil Pump (Outer)	1
6	15232-ZJ1-000	Spring, Relief Valve	1
7	15348-ZJ1-840	Cover, Oil Filter	1
8	15400-POH-305PE	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
32	13310-ZJ1-840	Crankshaft	1

ENGINE — PISTON



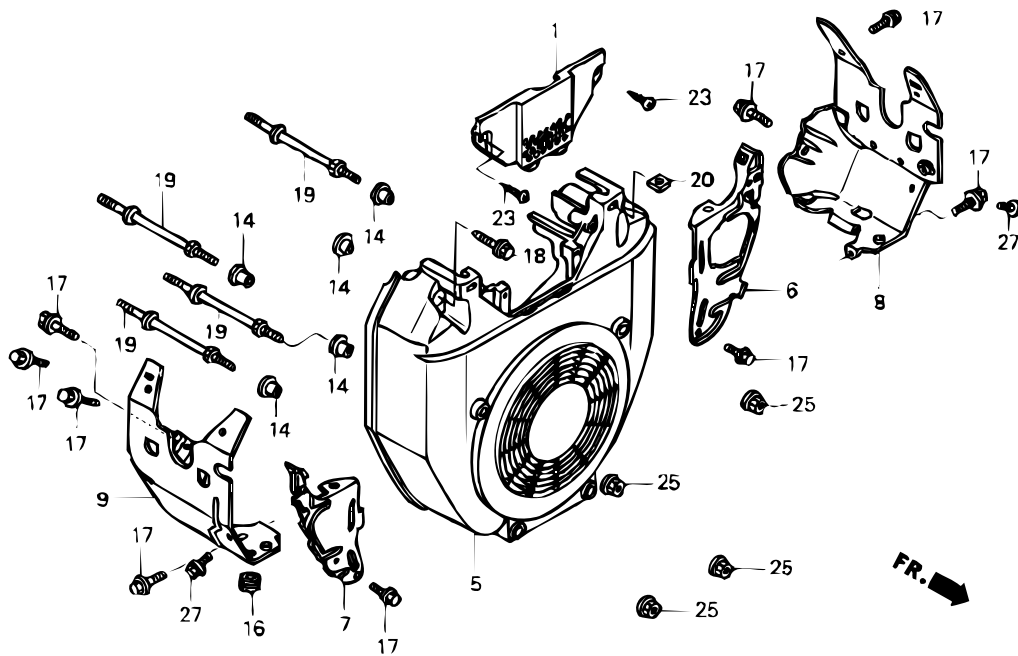
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	13010-ZJ1-841	Ring Set, Piston (Std)	2
	13011-ZJ1-841	Ring Set, Piston (OS 0.25)	2
	13012-ZJ1-841	Ring Set, Piston (OS 0.50)	2
	13013-ZJ1-841	Ring Set, Piston (0.75)	2
2	13101-ZJ1-840	Piston (Std)	2
	13102-ZJ1-840	Piston (OS 0.25)	2
	13103-ZJ1-840	Piston (OS 0.50)	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



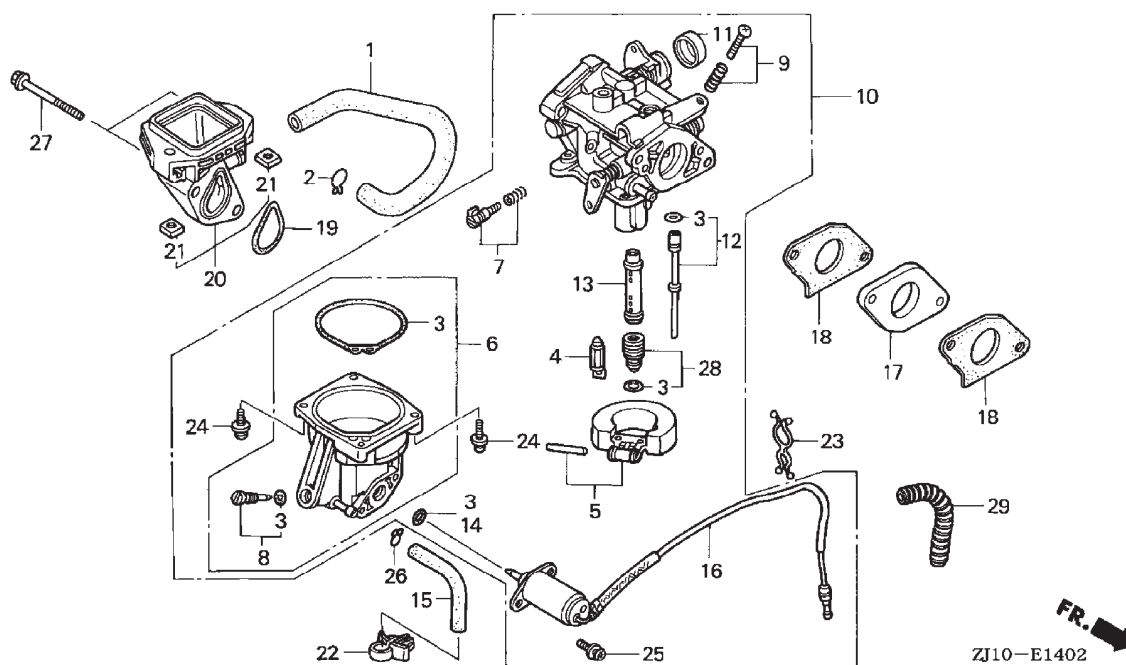
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	12209-ZE8-003	Seal, Valve Stem	2
2	14100-ZJ1-842	Camshaft Assembly	1
3	14410-ZJ1-840	Rod, Push	4
4	14431-ZE2-010	Arm, Valve Rocker	4
5	14451-ZE1-013	Pivot, Rocker Arm	4
6	14568-ZJ1-841	Spring, Weight Return	1
7	14576-ZJ1-840	Pin, Decompression	1
8	14711-ZE3-000	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



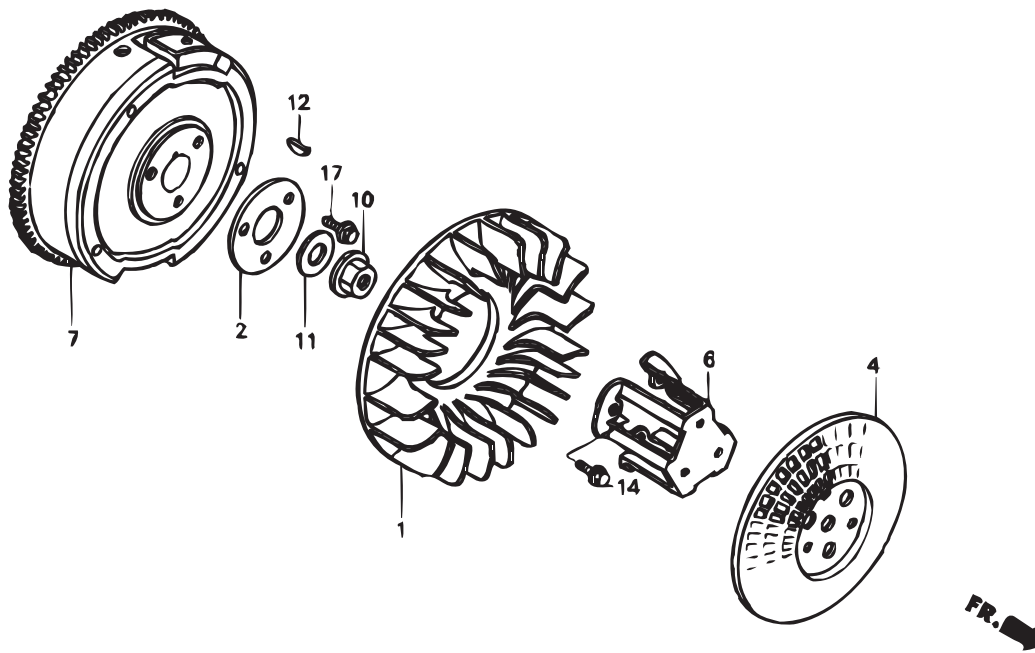
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	16715-ZJ1-840	Cover, Fuel Pump	1
5	19611-ZJ1-860ZB	Cover, Fan (Bright Red)	1
6	19612-ZJ1-840	Plate, R. Side	1
7	19614-ZJ1-840	Plate, L. Side	1
8	19631-ZJ1-840	Shroud, R	1
9	19632-ZJ1-840	Shroud, L	1
14	33713-GC2-000	Collar B, Taillight	6
16	80101-310-000	Rubber, 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



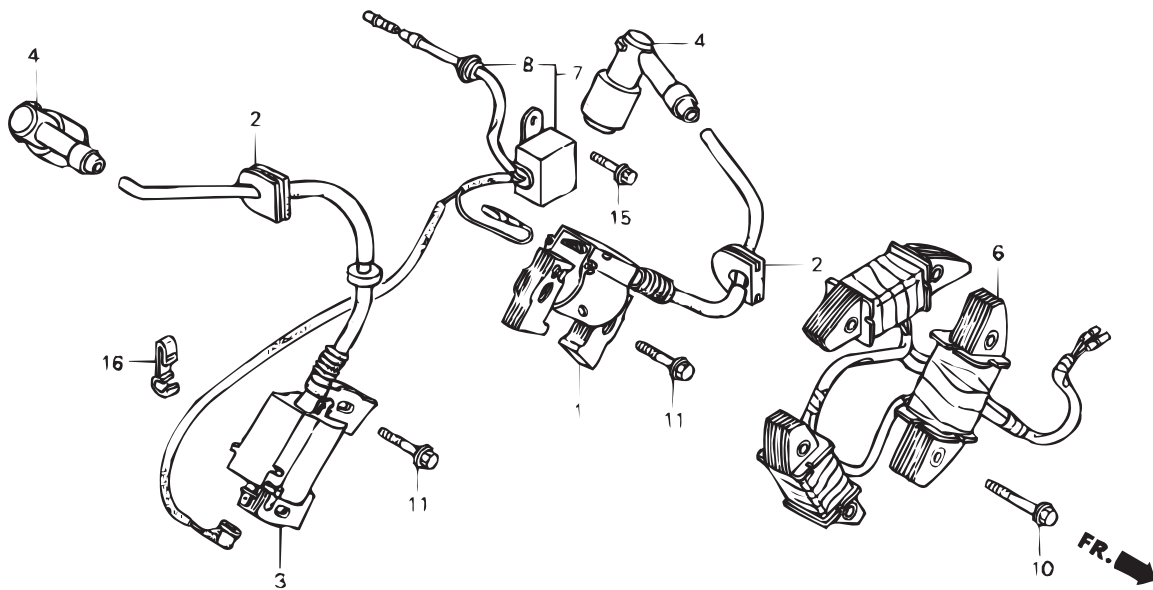
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	12357-ZJ1-840	Tube, Breather	1
2	15772-551-000	Clip, Breather Tube	1
3	16010-ZG8-000	Gasket Set	1
4	16011-KCK-910	Valve Set, Float	1
5	16013-ZV4-005	Float Set	1
6	16015-ZJ1-841	Chamber Set, Float	1
7	16016-ZJ1-010	Screw Set	1
8	16024-124-760	Screw Set, Drain	1
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



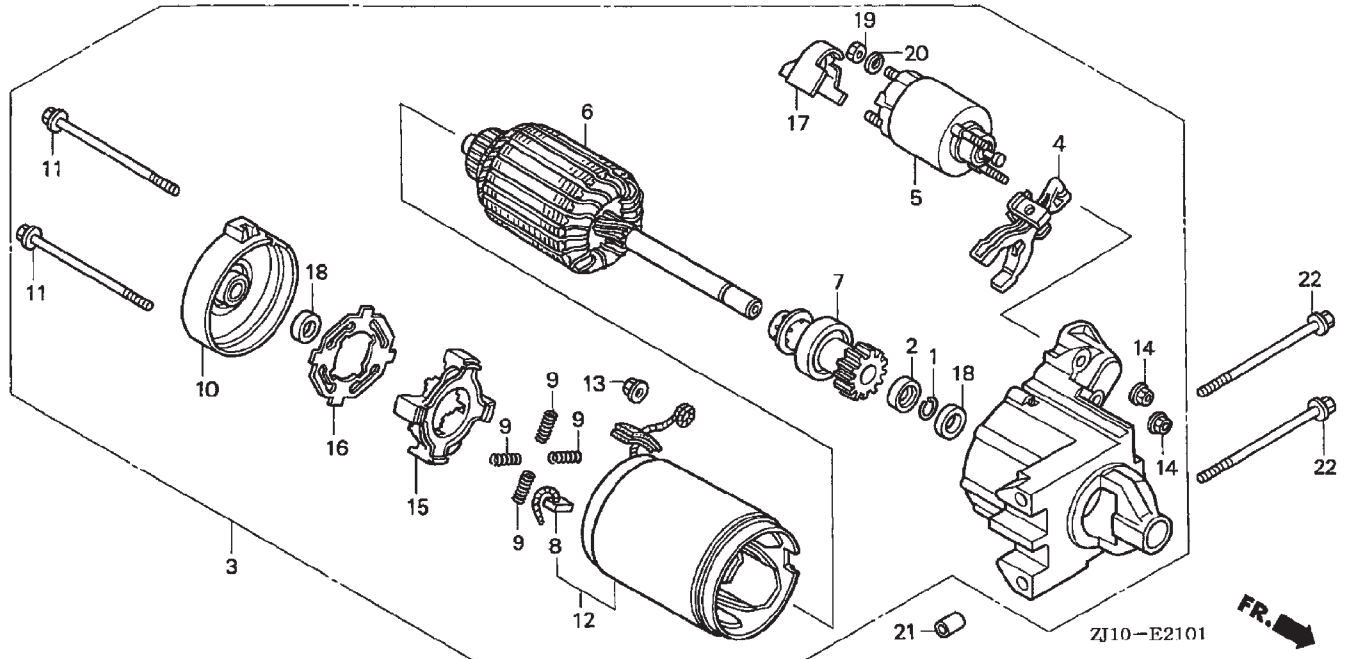
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	19511-ZJ1-000	Fan, Cooling	1
2	19513-ZJ1-000	Plate, Cooling Fan Setting	1
4	28452-ZJ1-811	Grid, Screen	1
6	28454-ZJ1-801	Holder, Screen Grid	1
7	31110-ZJ1-840	Flywheel	1
10	90201-ZG3-000	Nut, Flange (20mm)	1
11	90401-ZG3-000	Washer (20mm)	1
12	90741-ZE2-000	Key,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

ENGINE — IGNITION COIL



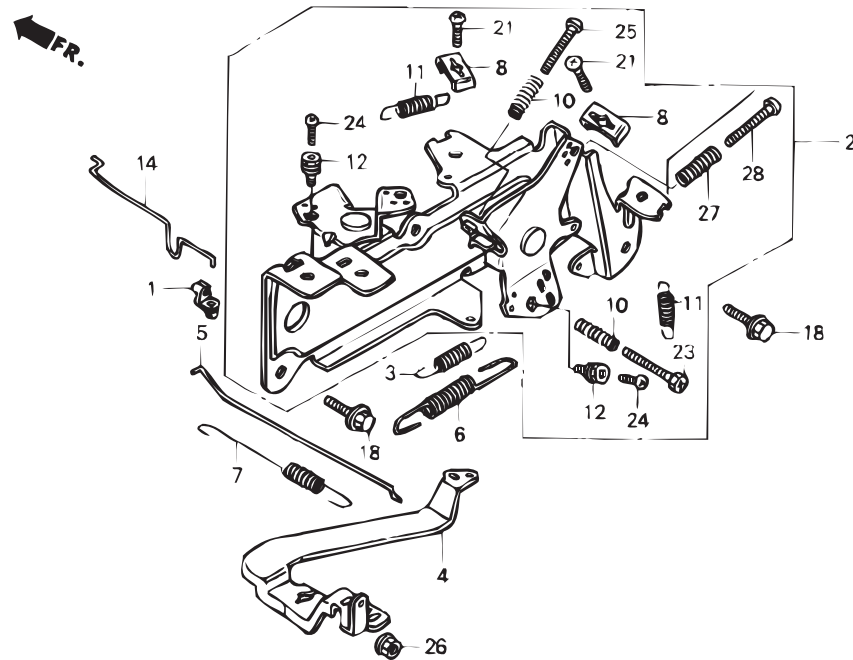
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	30500-ZJ1-841	Coil Assembly., R. Ignition	1
2	30518-ZJ1-000	Grommet, Ignition Wire	2
3	30550-ZJ1-841	Coil Assembly., L. Ignition	1
4	30700-ZJ1-841	Cap Assembly., Noise Suppressor	2
6	31630-ZJ1-801	Coil Assembly., Charge (12V/20A)	1
7	31740-ZJ1-841	Diode Assembly., 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



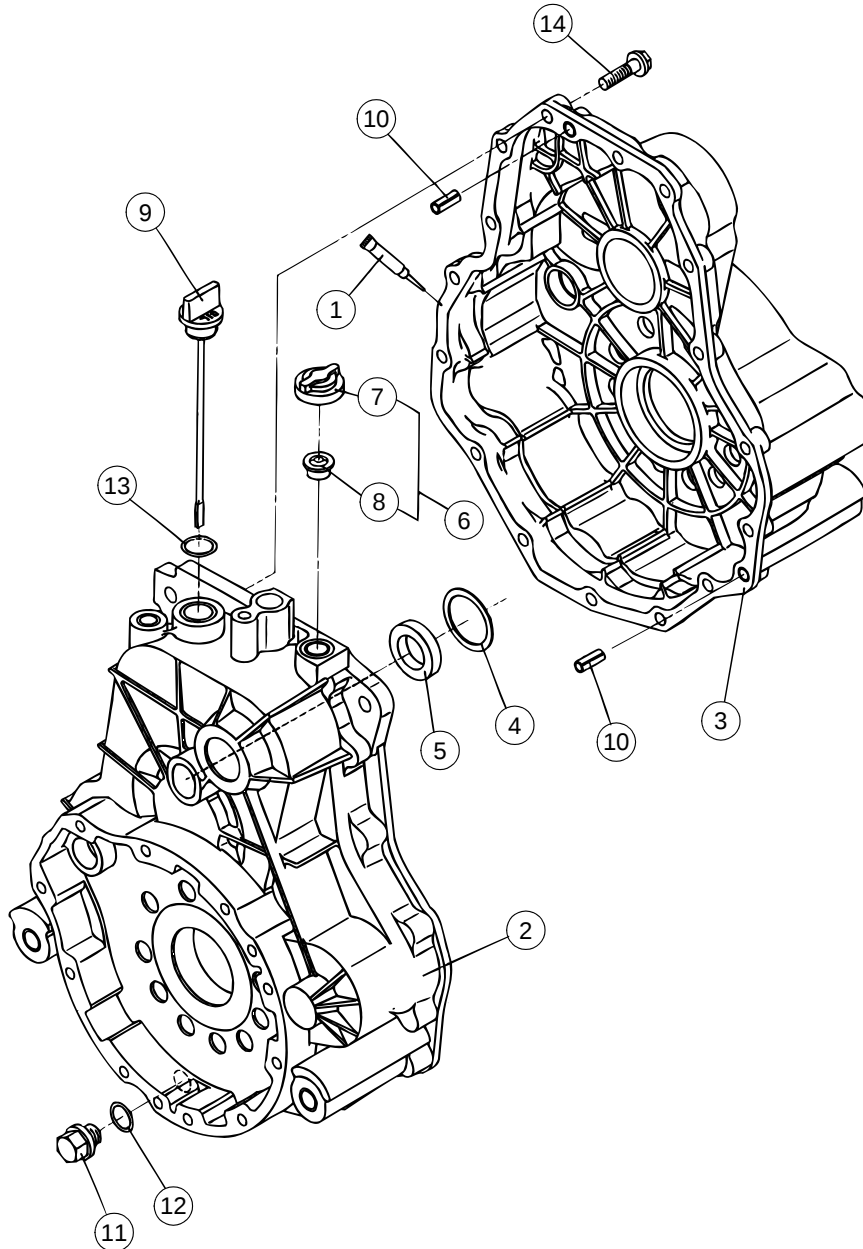
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	30201-PH9-004	Ring, Snap (Denso)	1
2	30202-PZ1-003	Collar Set, Clutch Stop	1
3	31200-ZJ1-841	Motor Assembly., Starter	1
4	31203-PH9-004	Lever, Pinion Drive	1
5	31204-ZJ1-H01	Switch Assembly., Magnet	1
6	31206-ZG4-801	Armature	1
7	31207-ZJ1-H01	Clutch, Overrunning	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



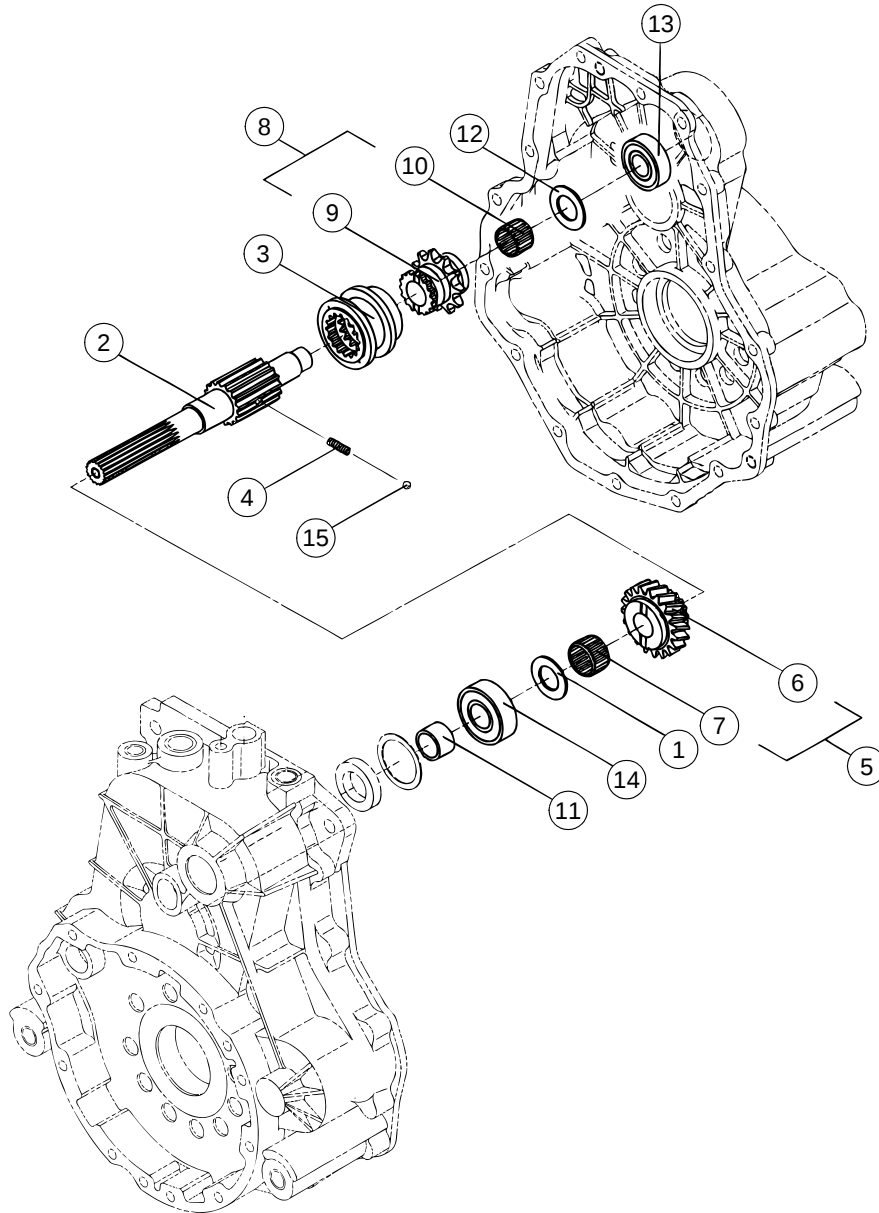
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	16263-883-W10	Joint, Rod	1
2	16500-ZJ1-861	Control Assembly	1
3	16534-ZJ1-840	Spring, Starter	1
4	16551-ZJ1-840	Arm, Governor	1
5	16555-ZJ1-840	Rod, Governor	1
6	16561-ZJ4-830	Spring, Governor	1
7	16562-ZJ1-840	Spring, Throttle Return	1
8	16576-891-000	Holder, 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 — TRANSAXLE CASE ASSEMBLY



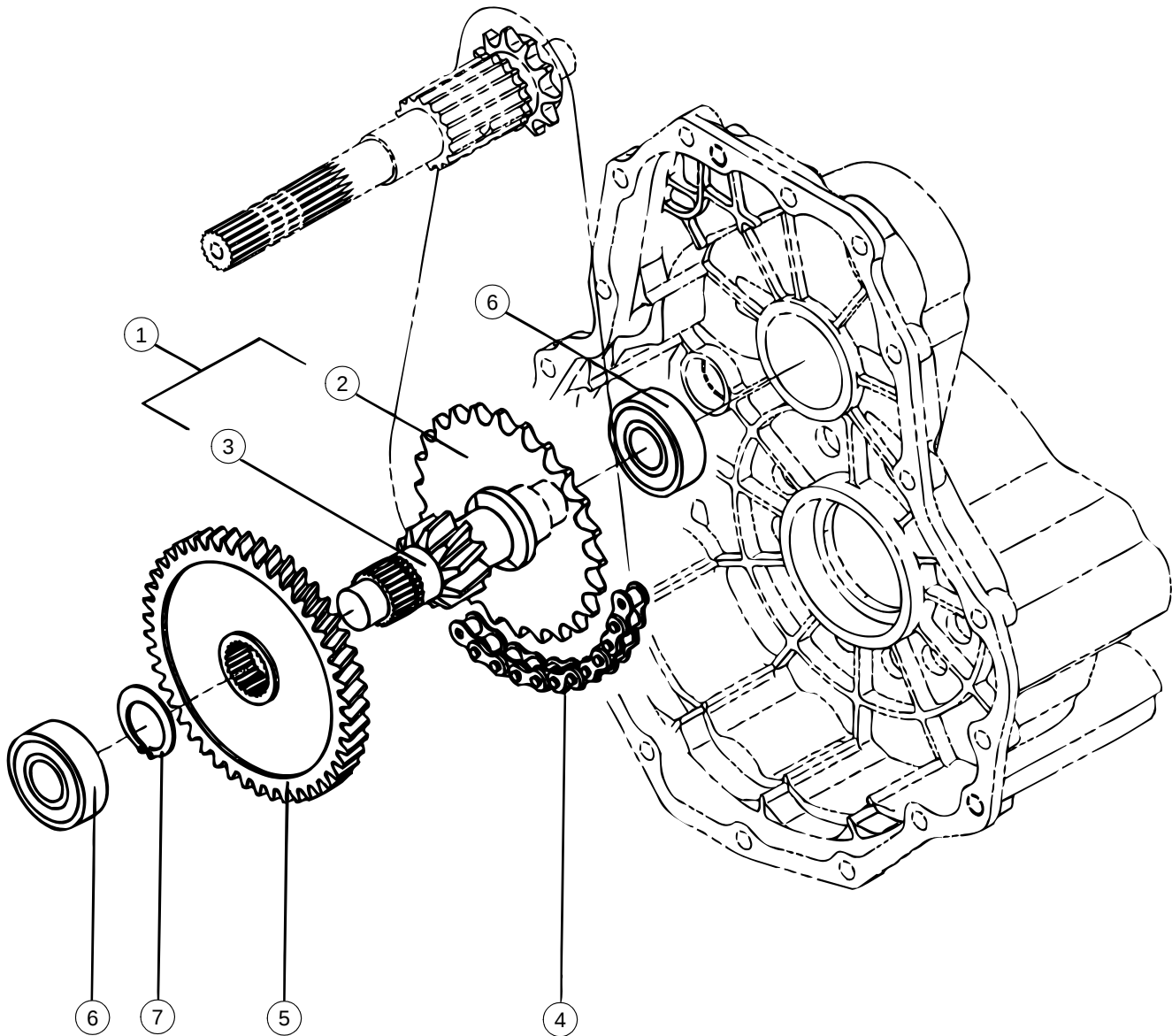
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-194855-24020	Sealant	1
2	TT-192162-24111	Housing, Transaxle, Left	1
3	TT-192162-24121	Housing, Transaxle, Right	1
4	TT-194855-24150	Washer, 36 x 45.5 x 1.2	1
5	TT-192162-24190	Seal, TC 30 40 8	1
6	TT-194859-24252	Vent Valve	1
7	TT-194859-24262	Cap, Vent Valve	1
8	TT-194859-24270	Body, Vent Valve	1
9	TT-192162-24291	Cap, Oil	1
10	TT-22351-080020	Pin, 8 x 20	2
11	TT-23491-140002	Plug, 14	1
12	TT-24311-000160	Packing, P 16	1
13	TT-24311-000180	Packing, P 18	1
14	TT-192162-24160	Bolt, 28 x 10 x 9	16

TRANSMISSION — INPUT SHAFT ASSEMBLY



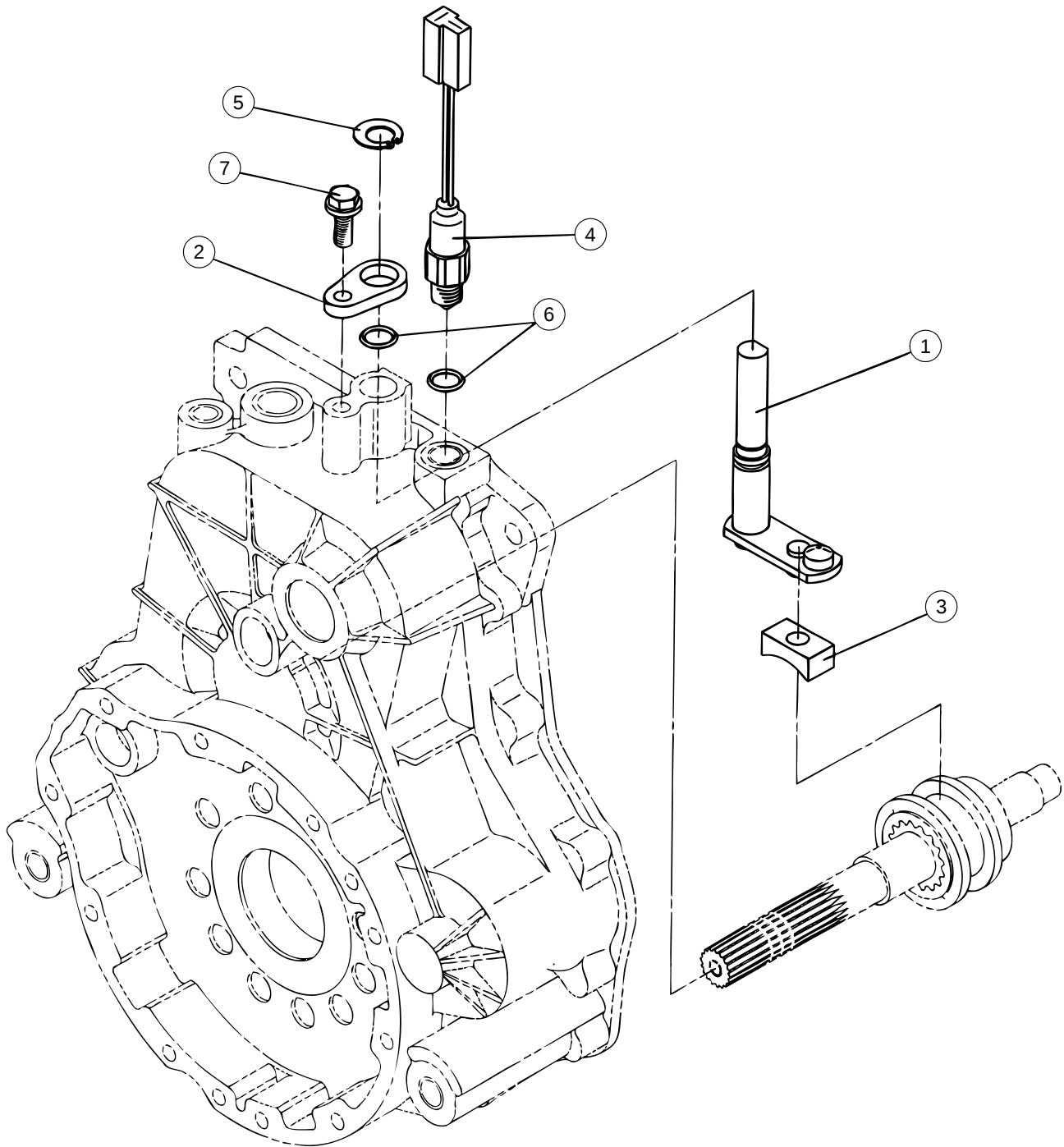
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-192162-24680	Washer 20 x 35 x 1.6	1
2	TT-192162-25212	Input Shaft	1
3	TT-192162-25340	Shifter	1
4	TT-192162-25250	Spring 29.5	1
5	TT-192162-25370	Gear 19H Kit	1
6	TT-192162-25360	Gear 19H, Input	1
7	TT-192162-25260	Needle 24 x 28 x 17	1
8	TT-192162-25280	Sprocket 11 Kit	1
9	TT-192162-25230	Sprocket 11, Input	1
10	TT-24161-202417	Needle 20 x 24 x 17	1
11	TT-192162-25290	Sleeve 20 x 30 x 13	1
12	TT-1E6190-54160	Washer 17.2 x 30 x 1.5	1
13	TT-24101-062034	Bearing 6203	1
14	TT-192159-31410	Bearing 6204R SH2	1
15	TT-24190-080001	Ball, 1/4	2

TRANSMISSION — REDUCTION ASSEMBLY



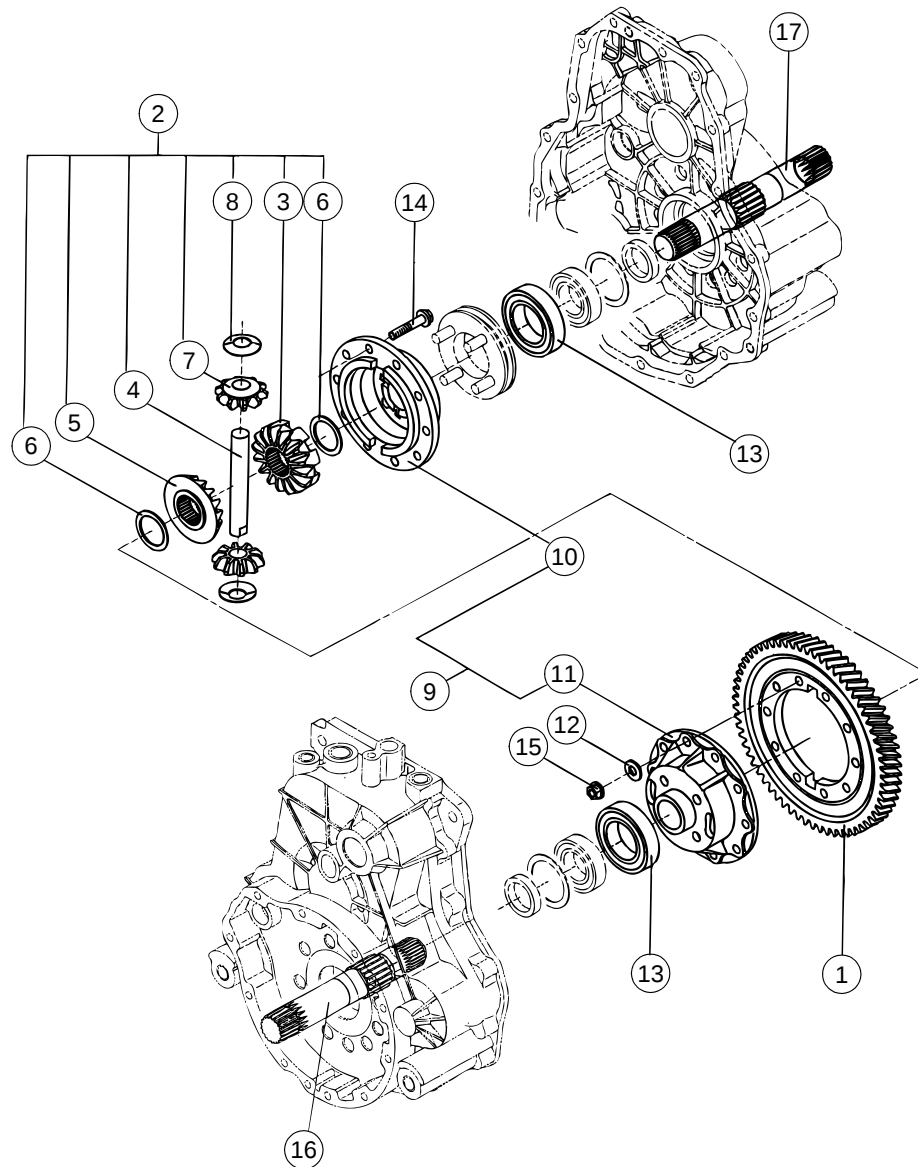
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-192162-25460	Reduction Shaft Assembly	1
2	TT-192162-25420	Sprocket, 27	1
3	TT-192162-25480	Shaft, Reduction	1
4	TT-194855-25460	Chain, 40 x 34	1
5	TT-192162-24190	Gear, 46H, Reduction	1
6	TT-192159-31410	Bearing, 6204R, SH2	2
7	TT-22242-000260	Ring, 26	1

TRANSMISSION — RANGE SHIFT ASSEMBLY



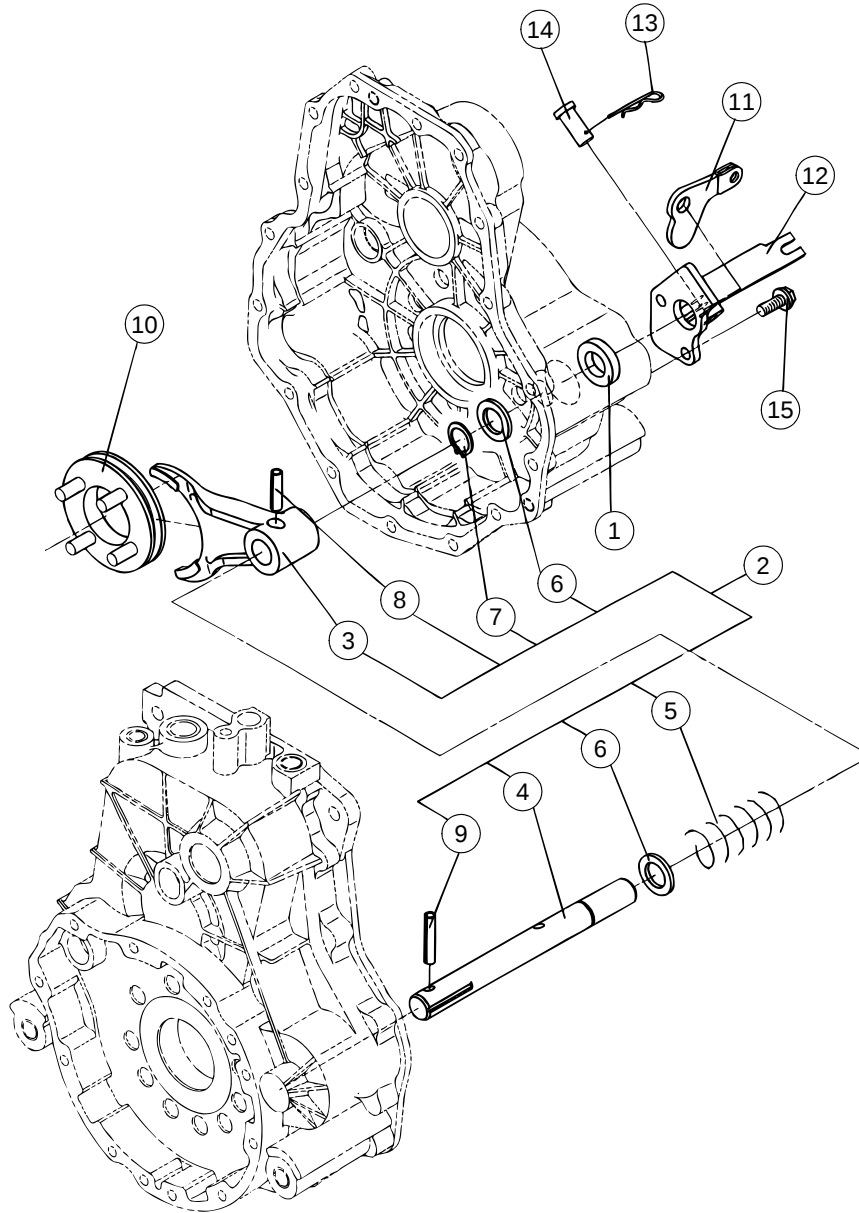
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-192162-27111	Arm, Shift	1
2	TT-192162-27680	Plate	1
3	TT-192162-28300	Block, Shift	1
4	TT-194855-52111	Switch	1
5	TT-22242-000140	Ring, 14	1
6	TT-24311-000125	Packing, P 12.5	2
7	TT-26476-080202	Tapping Screw, 8 x 20	1

TRANSMISSION — DIFFERENTIAL GEAR ASSEMBLY



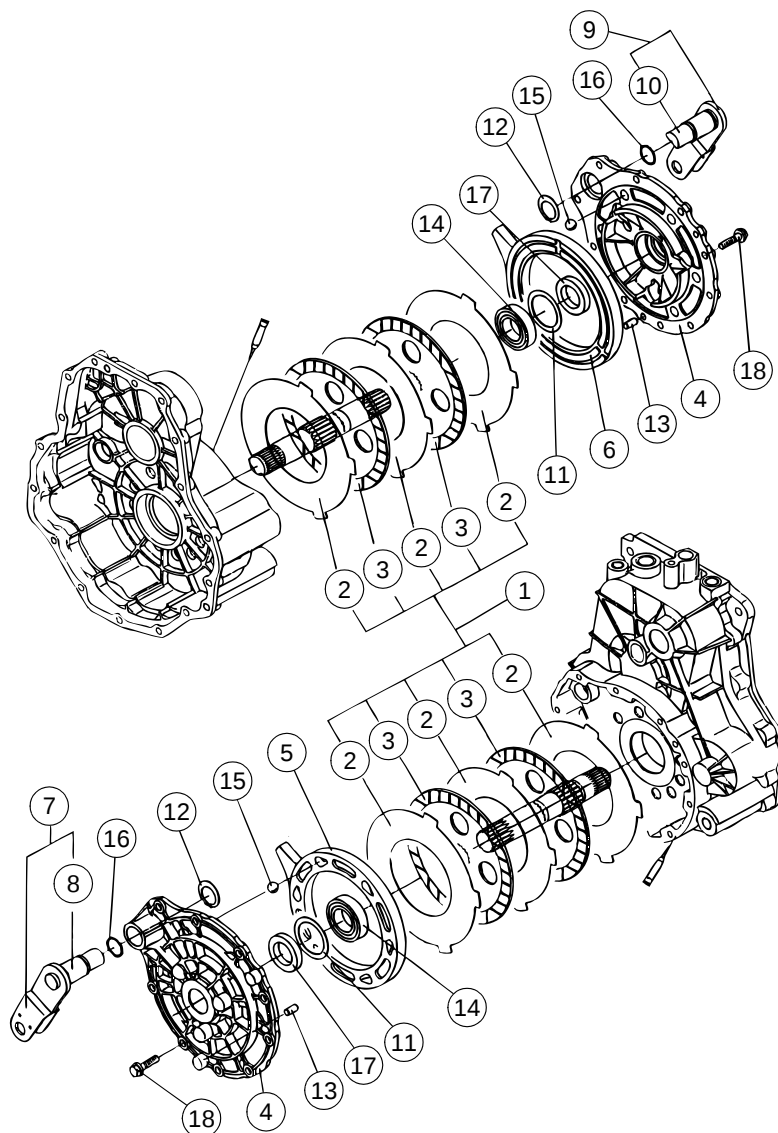
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-192162-31460	Gear, 63H, Final	1
2	TT-192162-31510	Differential, Gear Kit	1
3	TT-192162-31520	Gear (RR, Differential)	1
4	TT-194855-31550	Shaft, Differential Pinion	1
5	TT-192157-31580	Differential Side Gear, RH	1
6	TT-192162-31610	Washer, Differential Gear	2
7	TT-194525-31810	Pinion, Differential	2
8	TT-194515-31850	Washer, Differential Pinion	2
9	TT-192162-32100	Differential, Case Kit	1
10	TT-192162-32110	Case (R, Differential)	1
11	TT-192162-32120	Case (L, Differential)	1
12	TT-22117-080000	Washer, 8	10
13	TT-24101-060084	Bearing, 6008	2
14	TT-26106-080402	Bolt, 8 x 40	10
15	TT-26716-080002	Nut, 8	10
16	TT-192162-33612	Shaft, LH	1
17	TT-192162-33622	Shaft, RH	1

TRANSMISSION — DIFFERENTIAL LOCK ASSEMBLY



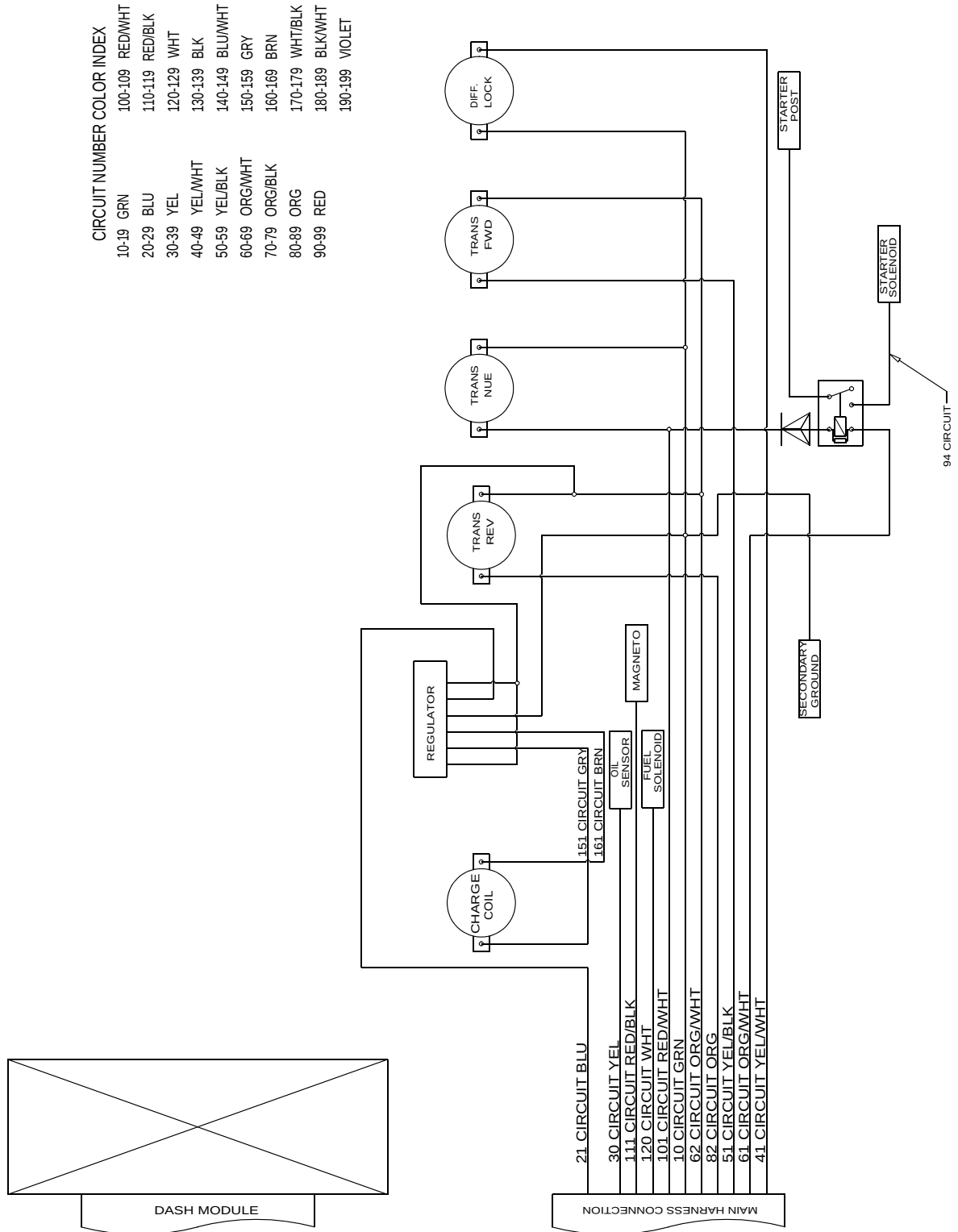
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-194235-27270	Seal, TC4 20 35 7	1
2	TT-192162-33100	Differential Lock Kit	1
3	TT-192162-33120	Fork, Differential Lock	1
4	TT-192162-33131	Shaft, Differential Lock	1
5	TT-194300-33160	Spring, Differential Lock	1
6	TT-194300-33200	Spacer, 20 x 32 x 3.2	2
7	TT-22242-000200	Ring, 20	1
8	TT-22351-080032	Pin, 8.0A x 32	1
9	TT-22351-080040	Pin, 8.0A x 40	1
10	TT-194854-33110	Slider, Differential Lock	1
11	TT-192162-33140	Arm, Differential Lock	1
12	TT-192162-33150	Bracket, Differential Lock	1
13	TT-22360-120000	Pin, 12	1
14	TT-22487-120200	Pin, 12 x 20	1
15	TT-26476-080202	Tapping Screw, 8 x 20	2

TRANSMISSION — BRAKE ASSEMBLY

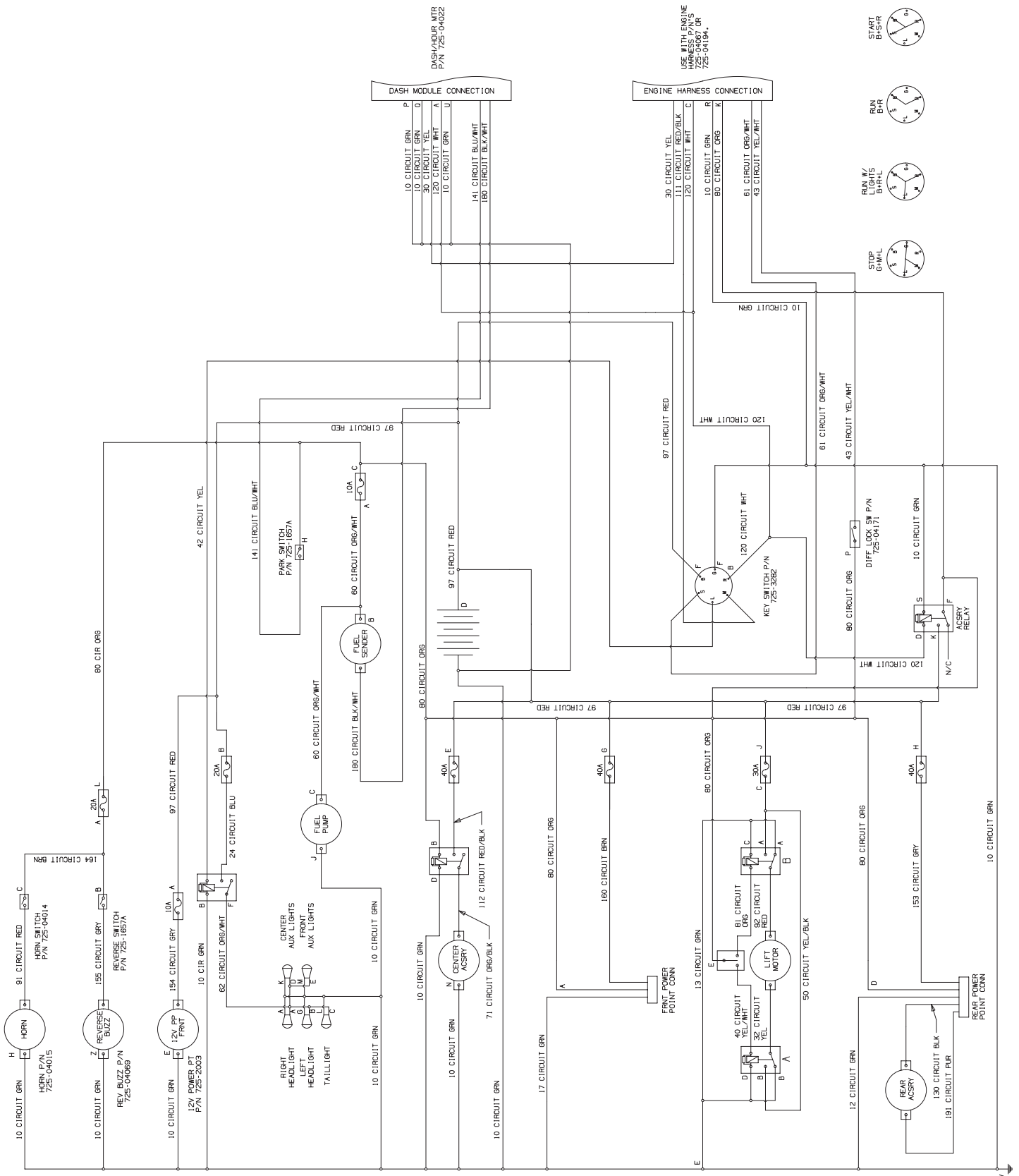


REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-192162-36300	Plate Kit	1
2	TT-192162-36320	Steel Plate	6
3	TT-194555-36511	Friction Plate, 175	4
4	TT-192162-36310	Cover, Brake	2
5	TT-192162-36330	Actuator, LH	1
6	TT-192162-36340	Actuator, RH	1
7	TT-192162-36400	Cam Lever Complete, LH	1
8	TT-192162-36360	Cam Lever Shaft	1
9	TT-192162-36410	Cam Lever, Complete, RH	1
10	TT-192162-36360	Cam Lever Shaft	1
11	TT-192162-36390	Washer, 42 x 54.6 x 1	2
12	TT-22242-000250	Ring, 25	2
13	TT-22312-080160	Pin, 8 x 16	4
14	TT-24101-060064	Bearing, 6006	2
15	TT-24190-160001	Ball, 1/2	12
16	TT-24311-000210	Packing, P 21	2
17	TT-24421-304708	Seal, TC304708	2
18	TT-26476-080302	Tapping Screw, 8 x 30	20

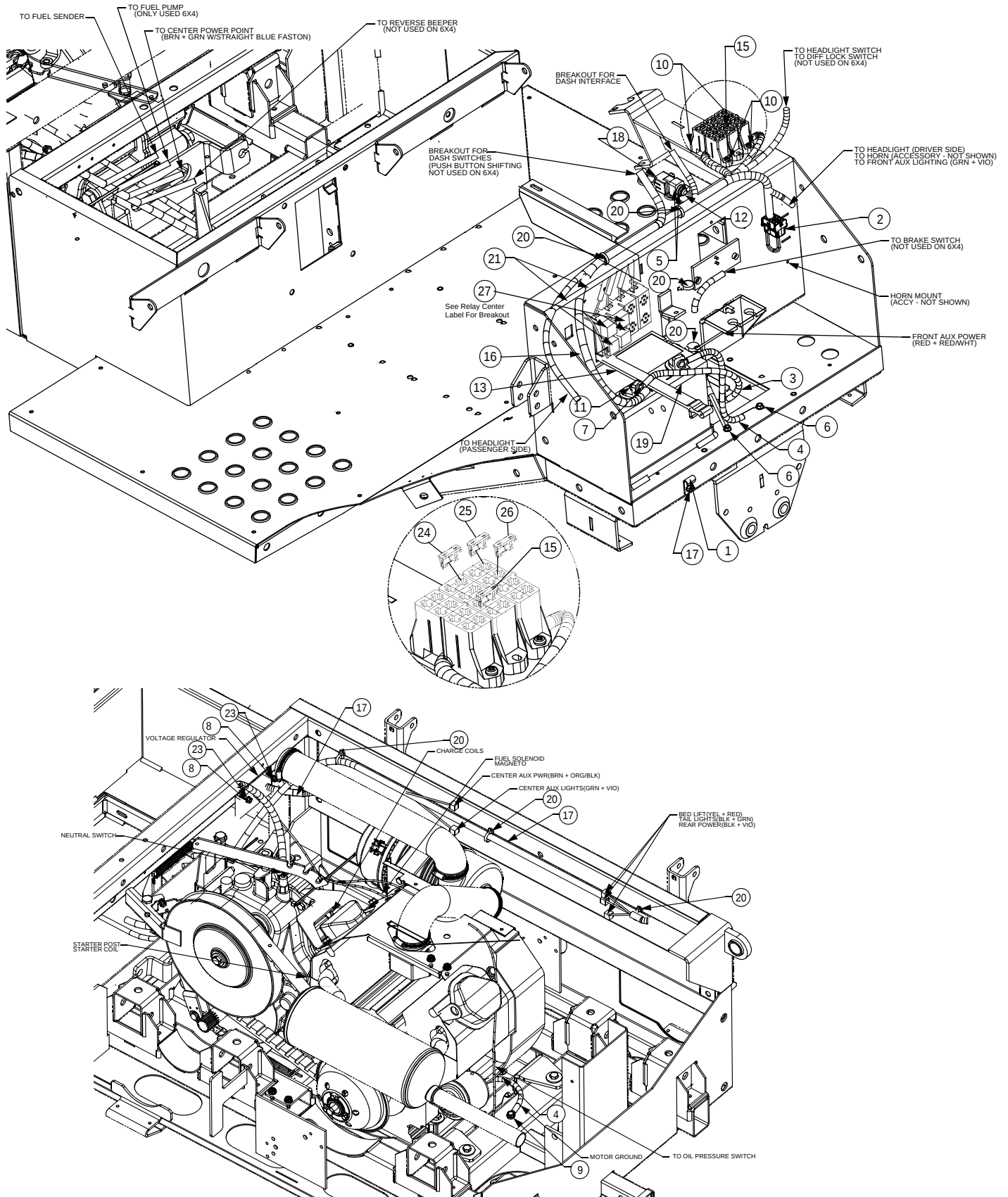
ELECTRICAL SCHEMATIC



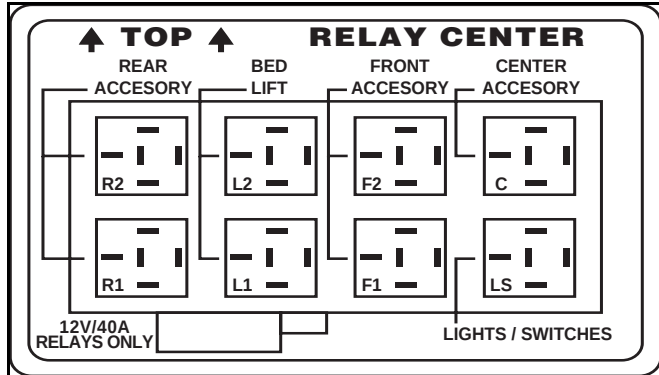
ELECTRICAL SCHEMATIC



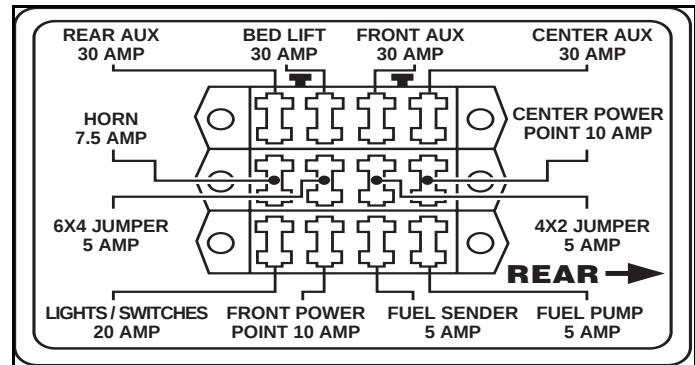
ELECTRICAL SYSTEM



ELECTRICAL SYSTEM



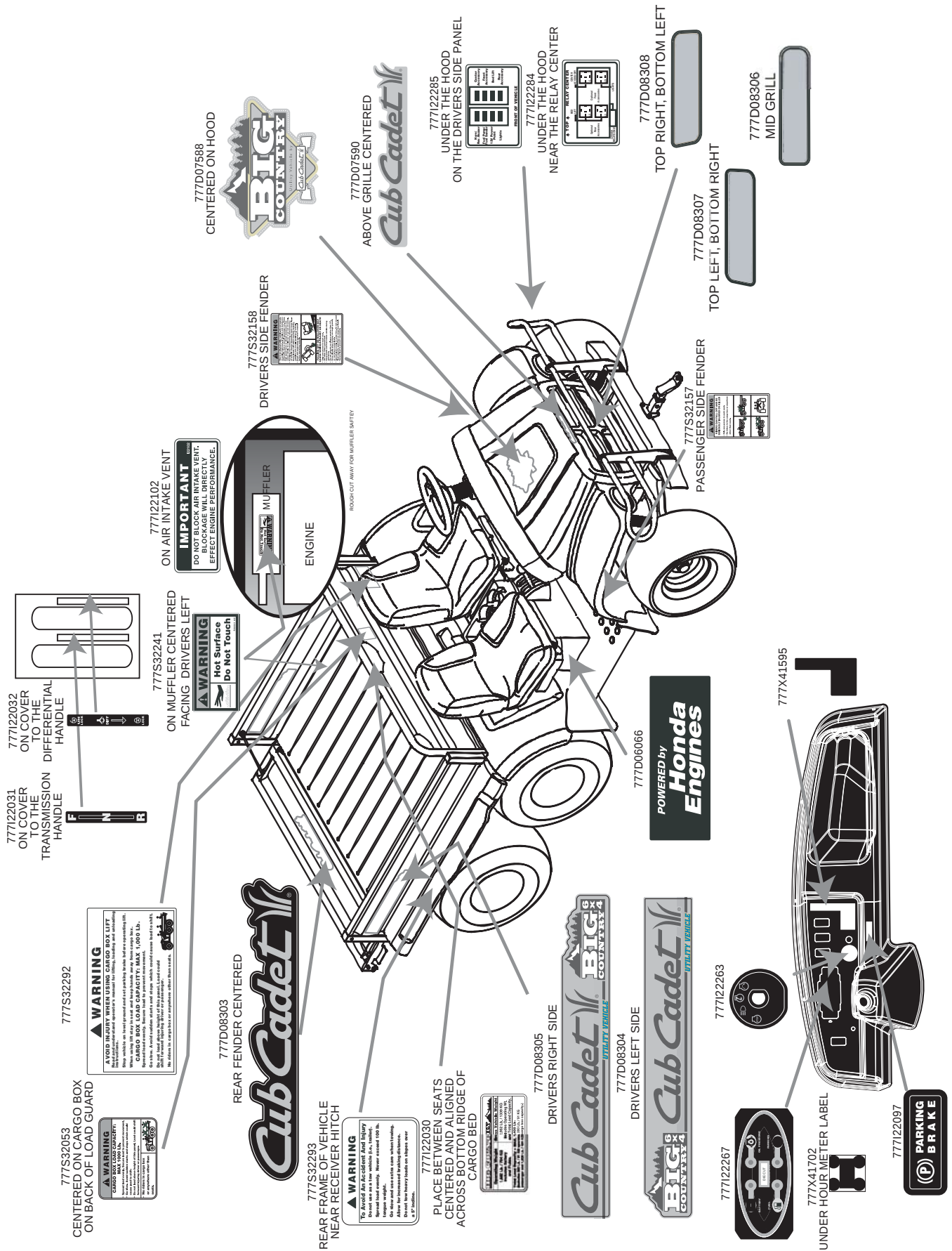
Relay Center



Fuse Box

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	16606	Bracket, Retainer Hook	1
2	629-04008	Connection Assembly	1
3	629-04001	Harness Assembly, Utility Starter	1
4	629-04060	Harness Assembly, Ground	2
5	710-04030	Screw, Self-tapping 1/4-20	2
6	710-0599	Screw, Self-tapping, 1/4-20 x 0.500	3
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	710-1260A	Screw, 5/16-18 x .75	1
10	710-3009	Screw, #10-24 x 0.75	4
11	712-0271	Nut, Hex Sems, 1/4-20	2
12	721-3049	Cover, Protection	1
13	723-3064	Strap, Battery	1
14	725-0157†	Cable, Tie 3/16 x .05 x 7.4	2
15	725-04008	Fuse, 5 Amp	1
16	725-04172	Harness, Utility Wire, Main	1
17	725-04067	Harness, Motor Wire	1
18	725-1657A	Switch, Interlock	1
19	725-1738	Battery, 300 CCA	1
20	726-0470	Cable Tie, 19" x 8.39"	7
21	726-0465	Clip, Retainer, Panel	2
22	726-04002†	Double Tube Clamp	1
23	736-0329	Lock Washer, 1/4	2
24	725-1625	Fuse, 7.5 Amp (Horn)	1
25	725-04009	Fuse, 15 Amp (Rear Outlet)	1
26	725-1543	Fuse, 30 Amp (Electric Bed Lift)	1
27	725-1718	Relay, 12V/40A	4

†Not Shown



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