

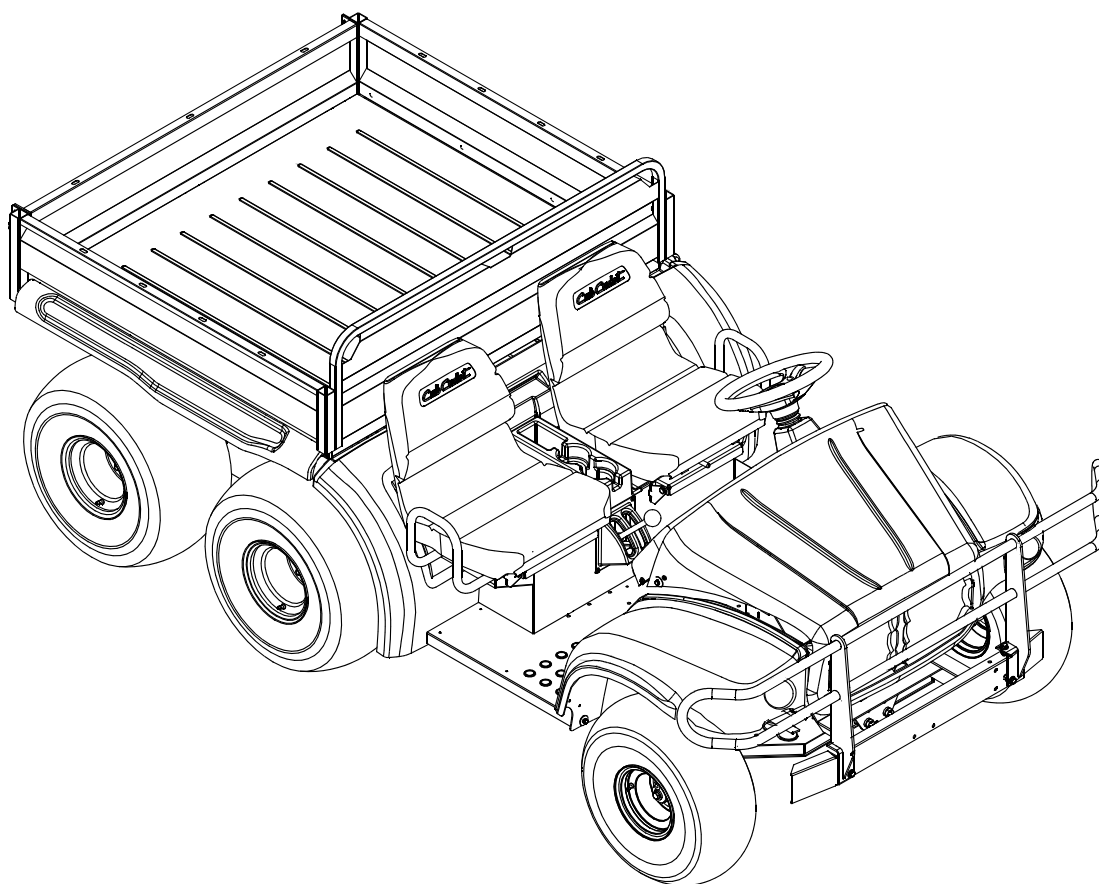
Cub Cadet®

Part's Manual



6x4 Utility Vehicle

Model 642



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

PRINTED IN U.S.A.

FORM NO. 769-00897C

1/06

MODEL 642

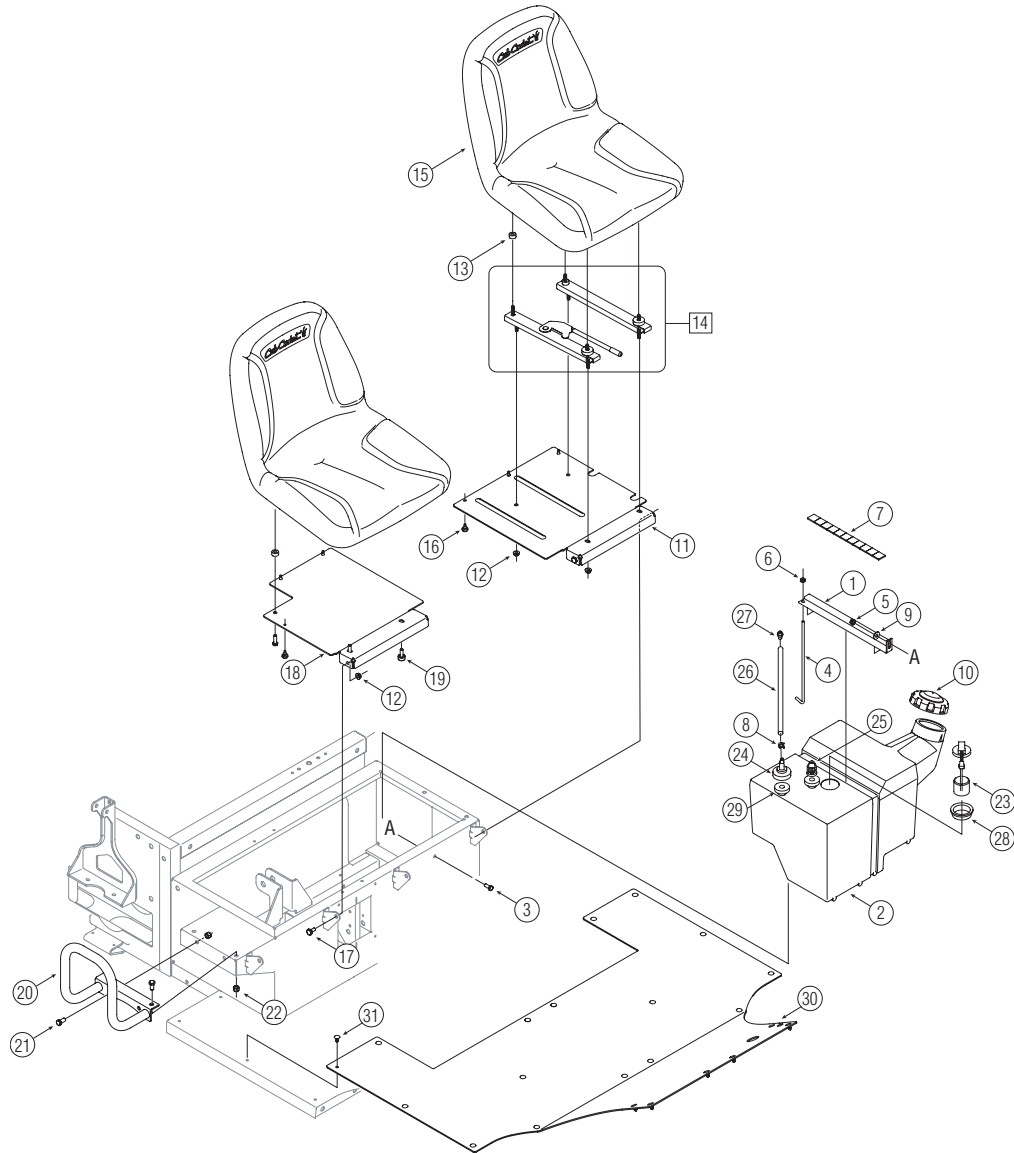
TABLE OF CONTENTS

DESCRIPTION	PAGE	DESCRIPTION	PAGE
Alternator	38	Fenders	5, 7
Axle, Front Suspension	5	Fuel System	2, 3
Axle, Center Suspension	13	Hood	5
Axle, Rear Suspension	13	Labels.....	39
Bed	7	Pedal, Brake	11
Electric Bed Lift	7	Pedal, Throttle	11
Brake, Parking	11	Schematic, Electrical	34, 35
Bumper	5	Rear Outlet	7
Cables	15	Seats	2
Chain Guide	9	Shifter Assembly	13
Clutch, Main	9	Steering (Lower).....	3
Dash Panel	11	Steering (Upper).....	3
Electrical System	36	Transmission Accessories.....	9
Engine & Transmission Cradle	9	Transmission, <i>Tuff Torq</i> Model KT35	
Engine Accessories	9	Transaxle Case Assembly	27
Engine, <i>Kohler 20 H.P. 64728</i>		Input Shaft Assembly	28
Air Intake	24	Reduction Assembly	29
Blower Housing & Baffles.....	20	Range Shift Assembly	30
Carburetor.....	22	Differential Gear Assembly	31
Control.....	26	Differential lock Assembly	32
Crankcase	16	Brake Assembly	33
Crankshaft.....	16	Trim Panels	3
Exhaust	24	Wheels, Front & Rear	5, 13
Filtration.....	24		
Fuel System	22		
Head, Valve & Breather.....	18		
Ignition & Electrical.....	20		
Oil Pan & Lubrication.....	18		
Starter Motor	22		

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.

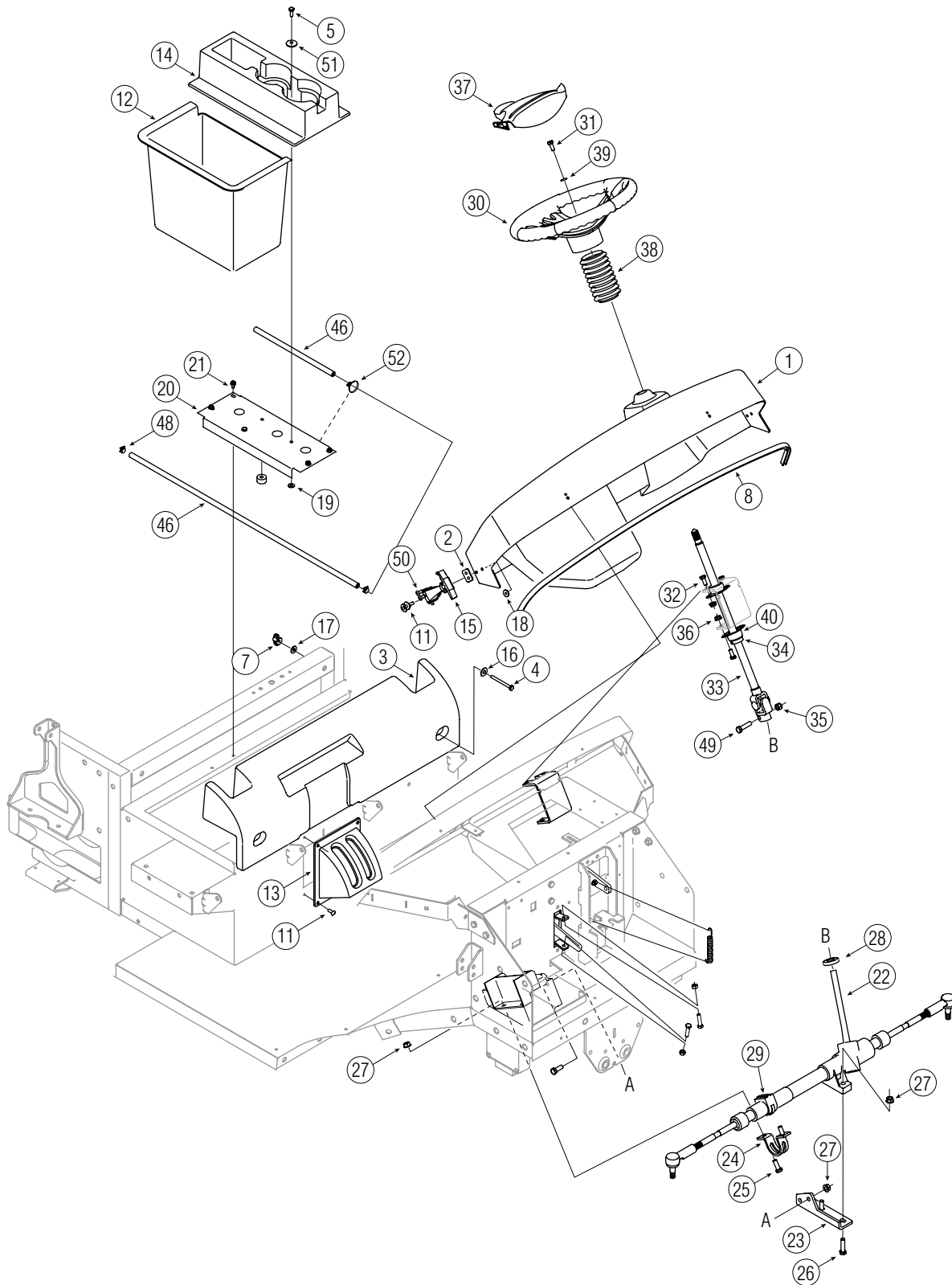
Cub Yellow: 0498
Cub Beige: 0499
Powder Black: 0637

SEATS AND FUEL TANK



REF. NO.	PART NUMBER	DESCRIPTION	QTY	REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	707-04640	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-inch	1
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	8	29	741-04006	Fuel Tank Grommet	2
14	757-04033	Track Assembly, Seat	1	30	735-04001	Floor Mat	1
15	757-04008A	Seat	2	31	726-0465	Retainer Clip	17

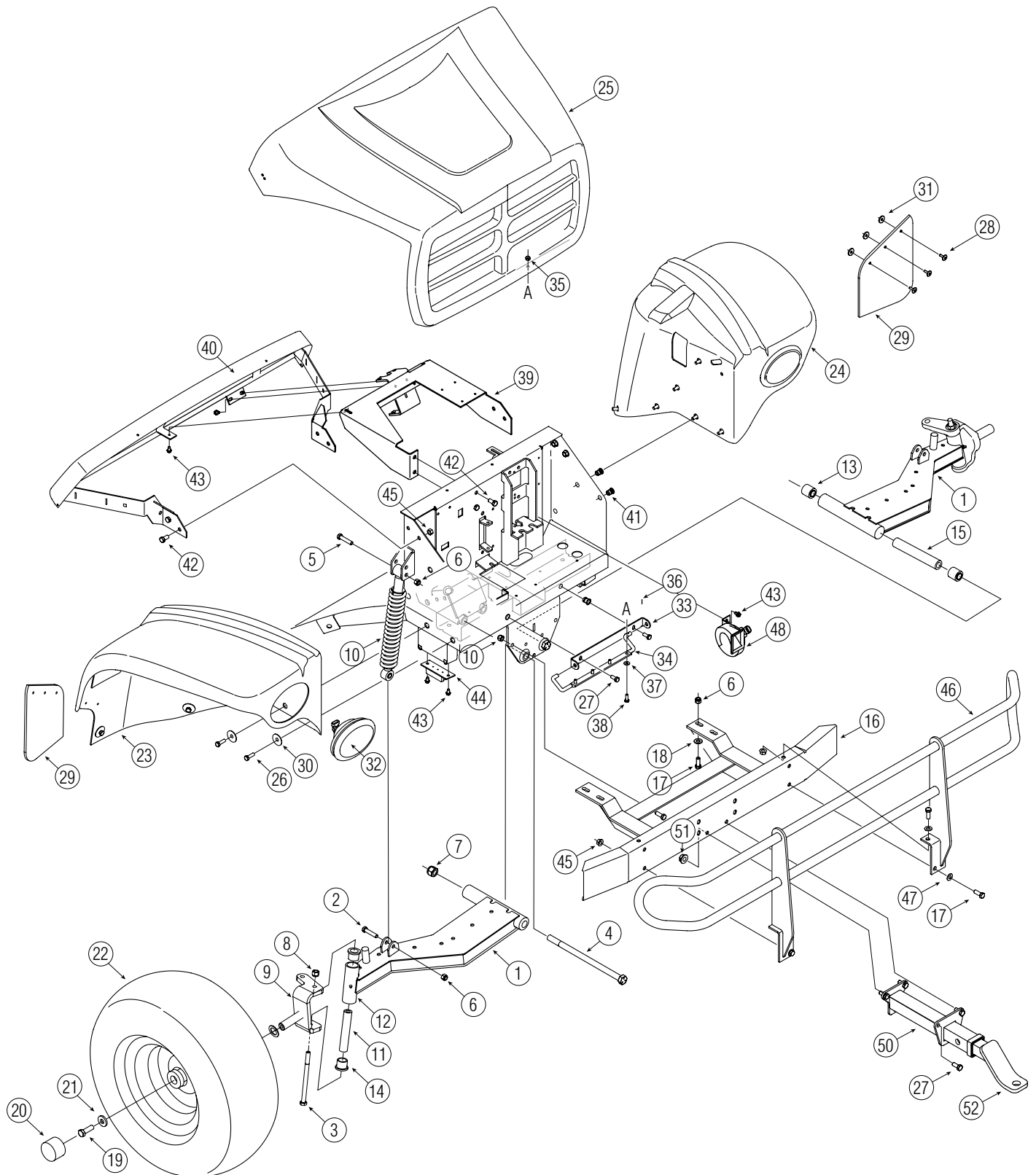
STEERING



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	710-0607	Hex Screw, 5/16-18 x0.5, Gr5	1
7	712-0397	Wing Nut, 1/4-20	2
8	721-04070A	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	10
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	707-04386	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	710-3094A	Hex Screw, 3/8-16, 1.00, Gr8	4
26	710-04321	Hex Screw, 3/8-16, 1.50, Gr5	2
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	1
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	736-0242	Washer, Bell,.340 x.872 x.060	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	73
47	793-00003	Fuel Filter	1
48	726-0205	Clamp, Hose	6
49	710-0347	Hex Screw, 3/8-16 x 1.75, Gr5	1
50	728-0123	Rivet. Pop, .450	4
51	736-0356	Washer, Bell .39 x 1.38 x .062	1
52	726-0154	Push Mount Cable Tie	1

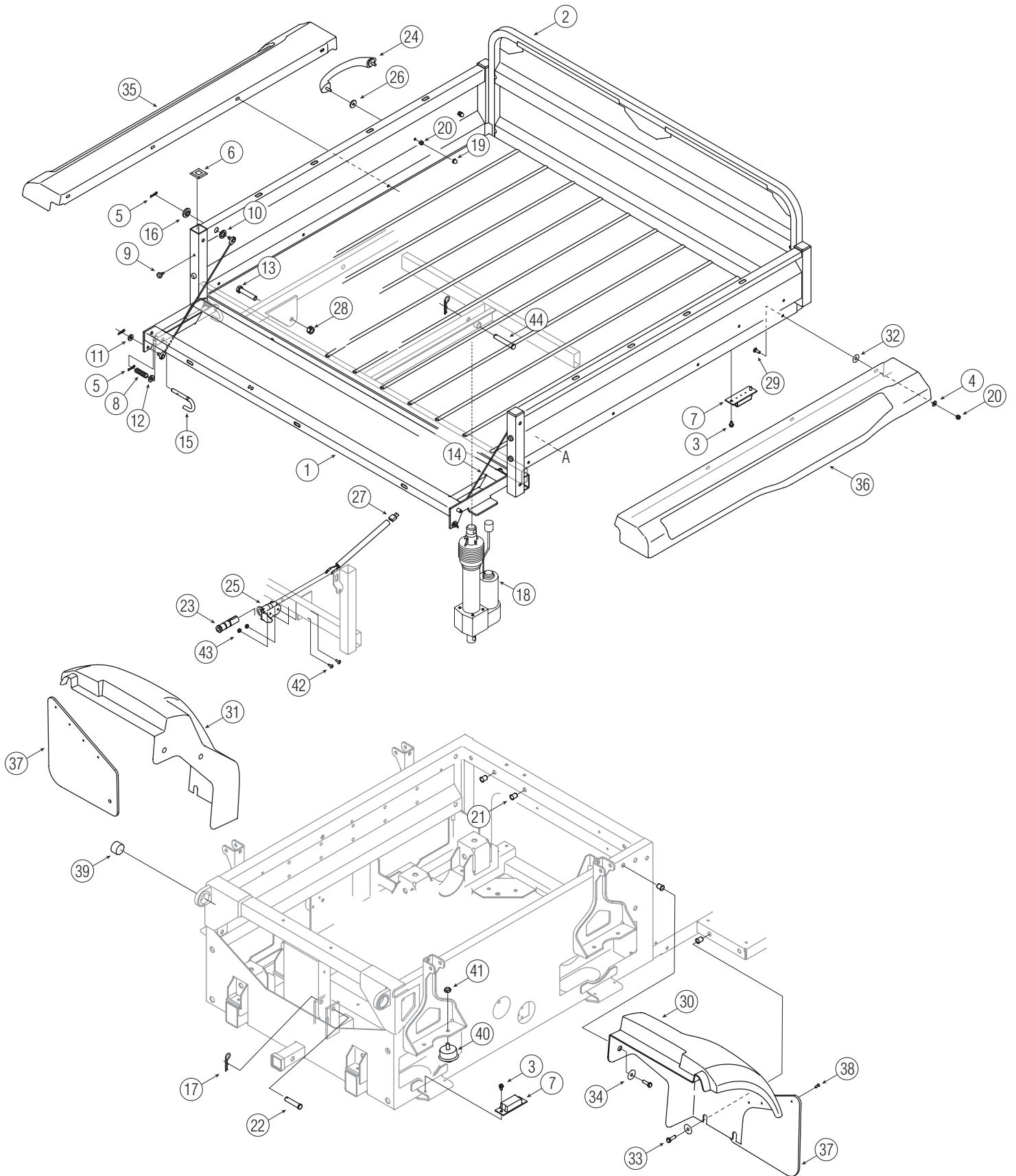
FRONT END



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	712-3083	Nut, Hex Lock, 1/2-13	2
9	607-04106	Steering Control Knuckle, RH	1
—	607-04105	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	710-04186	Hex Screw, 1/2-13 x 1.25, 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	735-04046	Mud Flap	2
30	736-0356	Washer, Bell, .39 x 1.38 x .062	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	Washer, Flat, 406 x .810 x .051	4
48	725-04015	Horn	1
49	736-0259	Flat Washer .030 .625 x .090	2
50	607-0024	Front Hitch Assembly	1
51	712-3004A	Flange Lock Nut	5
52	837-10048	Hitch Accessory	1

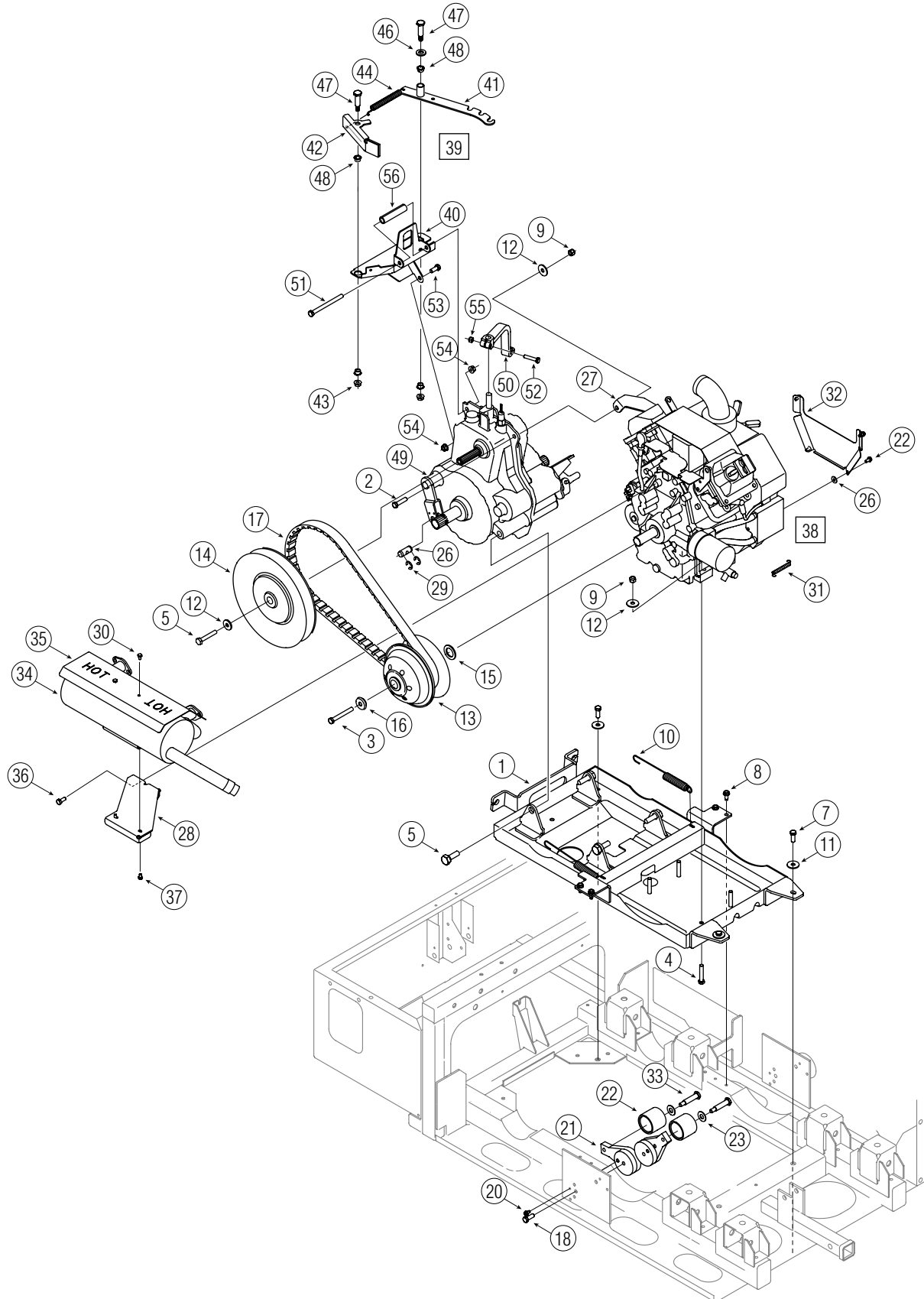
REAR FENDERS AND CARGO BED



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 1.75 LG	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	714-04003	Cotter Pin	2
18	725-04077	Electric Actuator, 6" stroke	1
19	712-0264	Nut, Acorn 1/4-20 w/o Lock	2
20	712-0324	Nut, Hex Lock, 1/4-20	10
21	712-0703A	Nut, Insert 5/16-18	19
22	711-04007	Clevis Pin, .5" dia. x 2.25" long	1
23	725-04018	Plug Receptacle, 12V/15A	4
24	731-04174	Handle, Bag w/Screw	1
25	725-04017	Power Receptacle, 12V/15A	1
26	736-0176	Washer, Flat .265 x .938 x .120	2
27	725-04157	Harness Jumper	1
28	712-3022	Hex Lock Nut, 1/2-13	2
29	710-0703	Hex Screw, 1/4-20 x.75	8
30	731-04558	Fender, Rear RH, Red	1
31	731-04559	Fender, Rear LH, Red	1
32	736-04008	Rubber Washer,.310 x 1.0 x.125	8
33	710-0376	Hex Screw, 5/16-18 x 1.0	8
34	736-0356	Bell Washer,.39 x 1.38 x.062	8
35	731-04553	Bed Skirt Panel, LH, Red	1
36	731-04555	Bed Skirt Panel, RH, Red	1
37	735-04053	Rear Mud Flap	2
38	728-04004	Pop Rivet,.188	8
39	741-0761	Rubber Bushing, Bed Pivot	2
40	731-04011	Bumper, Compression Suspension	8
41	712-04006	Hex Lock Nut, M10-1.25	8
42	710-0473	Screw, #10-24 x .500	2
43	712-0272	Hex Nut, 10-24	2
44	711-04006	Clevis Pin, .5" dia. x 3" long	1

ENGINE AND TRANSMISSION



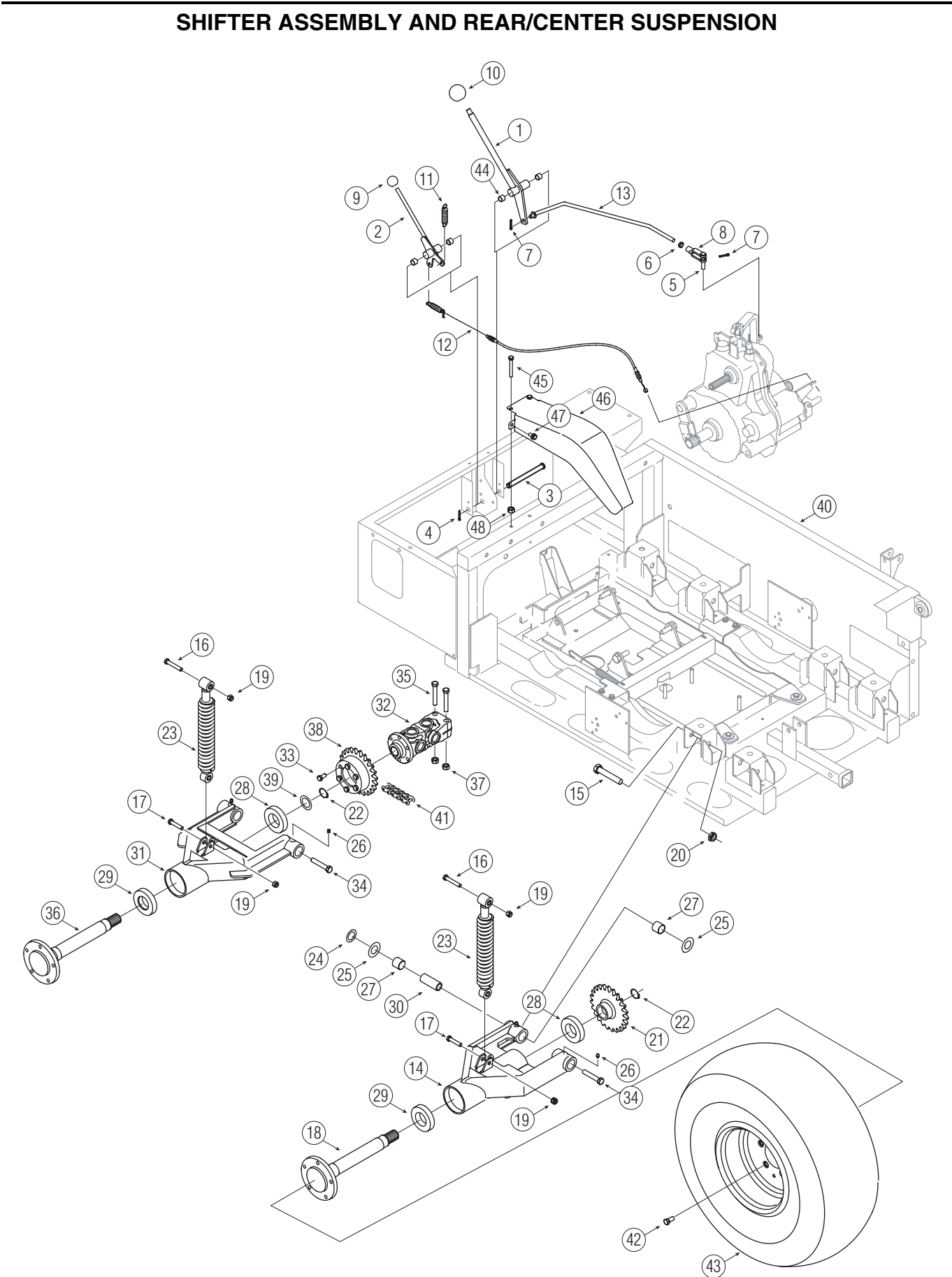
ENGINE AND TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	QTY	REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	607-04149	Frame Ass'y, Engine/Trans. Support	1	29	716-0106A	E-Ring, .625	4
2	710-0344	Hex Screw, 3/8-16 x 1.5, Gr5	1	30	710-3209	Screw, Machine M6 x 1.0 x 10 mm	4
3	710-04019	Hex Screw, 3/8-24 x 3, Gr5	1	31	732-0303	Extension Spring .375 x 3.18 LG	1
4	710-3144	Hex Screw, 3/8-16 x 2.00	4	32	707-04610	Engine Shield Bracket	1
5	710-04025	Hex Screw, M10-1.5 x 60mm, Gr8	1	33	738-0509	Shoulder Screw,.50 x 1.825	1
6	710-04028A	Hex Screw, M16-2 x 40mm	4	34	751-10188	Muffler, Kohler	1
7	710-0514	Hex Screw, 3/8-16 x 2.25, Gr5	4	35	751-10202	Kohler Heat Shield	1
8	710-1260A	Hex Screw, 5/16-18 x.75	4	36	710-04022	Hex Head Screw M8 - 1.25 x 20	2
9	712-0130	Nut, Hex Lock, 3/8-16	5	37	710-3209	Hex Head Screw M6 1.0 x 10	2
10	732-1186	Spring, Extension, .795 x 5.42	2	38	752K064728	Engine, <i>Kohler 64728</i>	1
11	736-0133	Washer, Flat, .411 x 1.25 x .10	9	39	607-04016	Shift Ass'y, Interlock (Incl. 40-48)	1
12	736-04005	Washer, Flat, .395 x 1.12 x .14	1	40	607-04018	Interlock Shift Bracket	1
13	618-0686A	Clutch Assembly, Engine	1	41	607-04017	Interlock Shift Plate	1
14	618-0687	Clutch Assembly, Transmission	1	42	607-04015	Brake Clutch Lever	1
15	736-04009	Washer, 1.03 x 1.625 x .12	1	43	712-3005	Hex Flange Lock Nut, 3/8-16	2
16	738-04002A	Spacer, Drive, .39 ID x 1.00 OD	1	44	732-0814	Extension Spring	1
17	754-0646	V-type Belt, Cogged, 1.19	1	45	736-0105	Bell Washer,.375 x.870 x.063	1
18	710-3118	Hex Screw, 3/8-16 x 1.00	1	46	736-0326	Flat Washer,.510 x 1.0 x.125	1
19	726-0476	Hose Clamp	4	47	738-0213	Shoulder Screw	2
20	710-0599	Self Tapping Screw, 1/4-20 x.50	1	48	741-0491	Flange Bearing	4
21	718-04033	Rotary Adjuster	1	49	618-0685	Transmission, <i>Tuff Torq</i> Model KT 35	1
22	731-04078A	Chain Roller	1	50	707-0369	Lever, Transmission	1
23	736-3084	Flat Washer,.510 x 1.12 x.060	1	51	710-0693	Hex Screw, 3/8-16 x 4.50, Gr5	1
24	751-10217	Air Intake Hose	1	52	710-0805	Hex Screw, 5/16-18 x 1.50, Gr5	1
25	751-10216	Air Filter Hose	1	53	710-3001	Hex Screw, 3/8-16 x .880, Gr5	1
26	711-04024	Pin, .625 x 1.37	2	54	712-3005	Lock Nut, Hex Flange 3/8-16	2
27	707-04593	Upper Transmission Support Bracket	1	55	712-0429	Nut, Hex Lock, 5/16-18	1
28	607-04165	Muffler Assembly Bracket	1	56	750-3235	Spacer, .505 x .75 x 3.31	1

PEDALS AND DASH

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	731-04755	Instrument Dash Cover	1
2	725-3284A	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	4
8	731-04014	Plug, 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	714-0121	Pin, Cotter, 5/32 x 1.00	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	759-3476A*	Ignition Keys	2
32	725-04012	Bed Lift Switch	1
33	725-04016	Power Receptacle Switch	1
34	714-0101	Cotter Pin	1

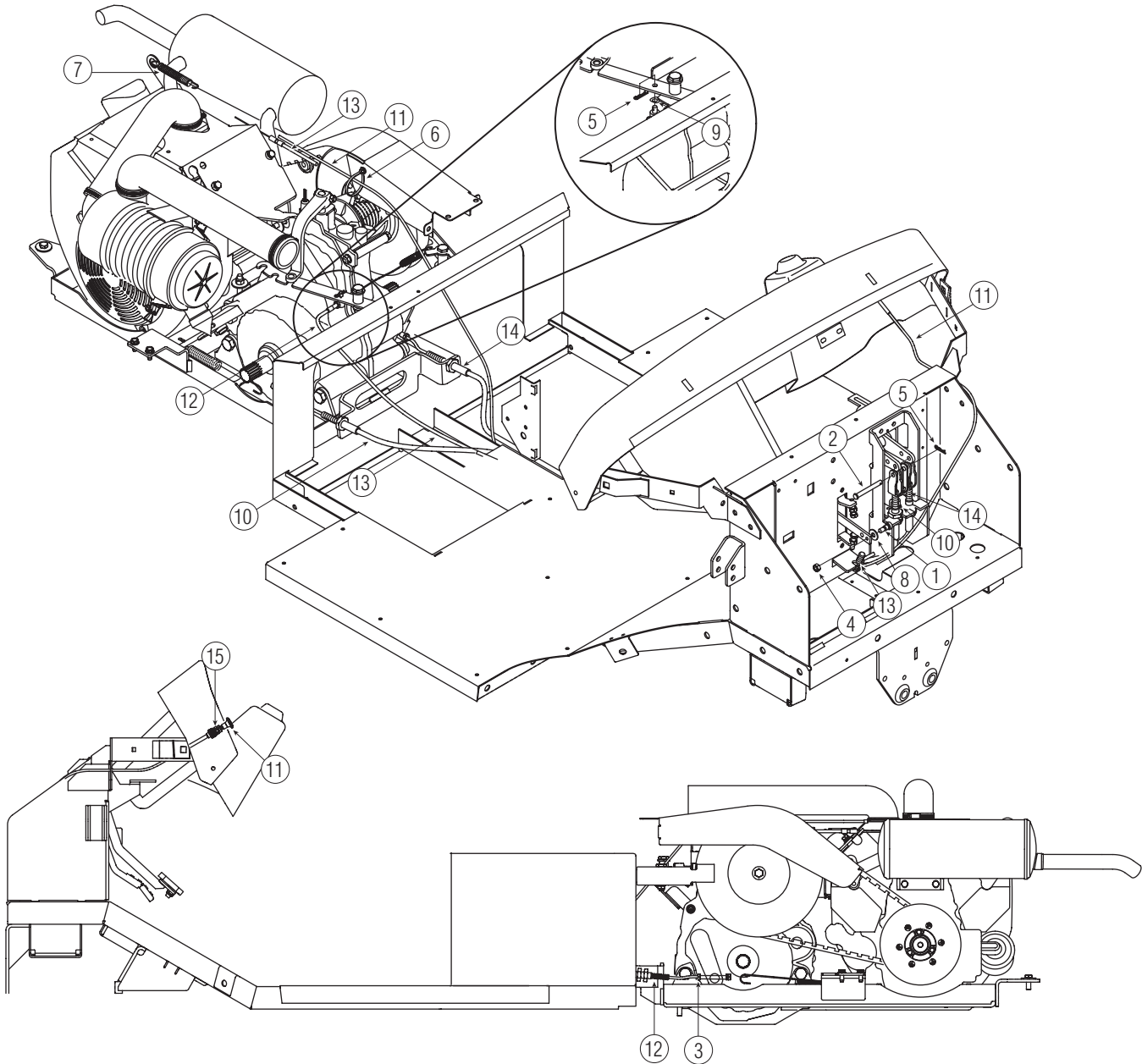
* Not Shown



SHIFTER ASSEMBLY AND REAR/CENTER SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	647-0069B	Lever Assembly, Transmission	1
2	647-0071B	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, 2.9 Stroke	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

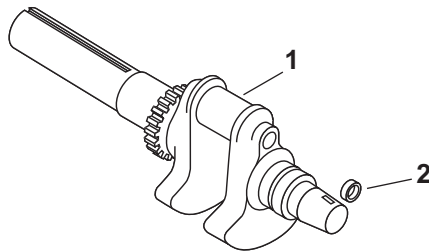
CABLES



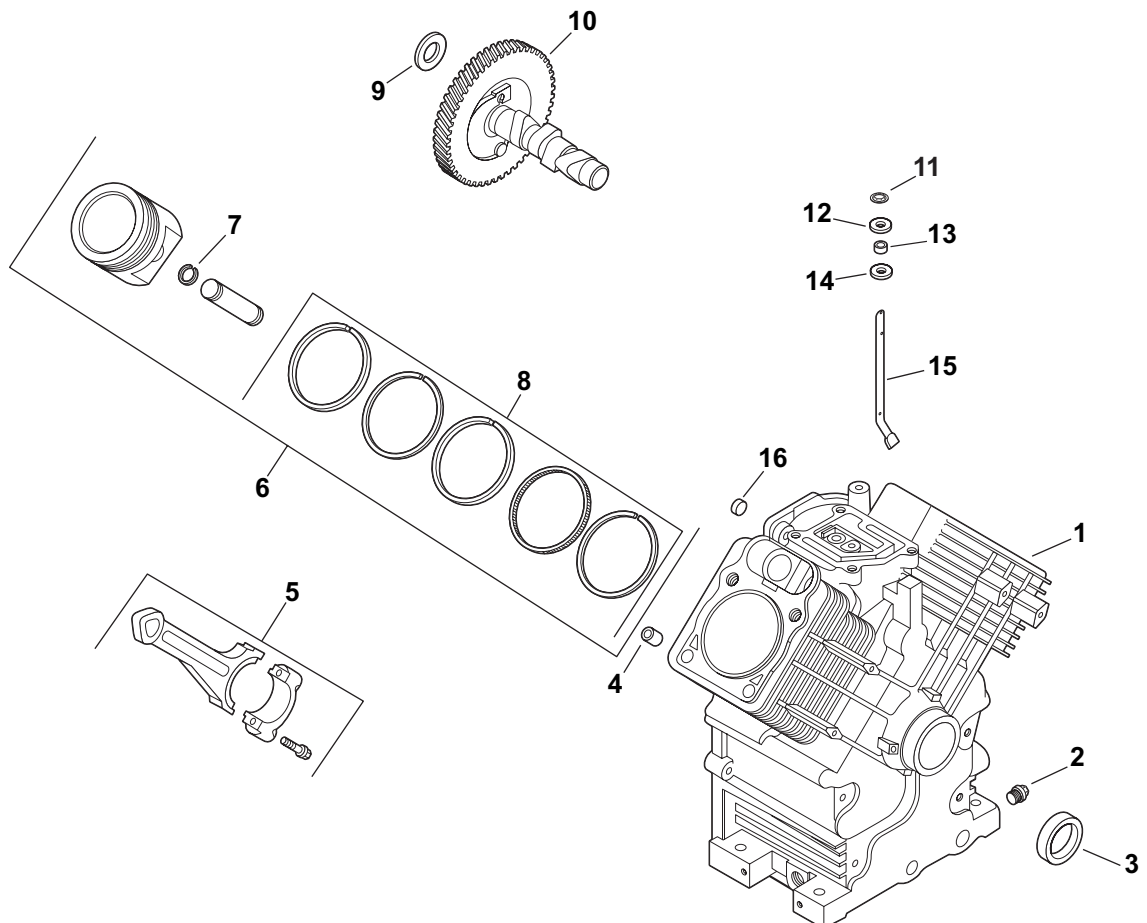
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	710-04027	Screw, Shoulder, .375 x .375	1
2	711-0813	Pin, Clevis, 5/16 x 2.5	1
3	712-3025	Nut, Jam, 5/16-24, Gr5	6
4	712-3009	Nut, Hex Lock, 5/16-18	1
5	714-0104	Pin, Cotter, .072 x 1.13	2
6	726-0154	Cable Tie, Tree Mount	1
7	732-0470A	Extension Spring	1
8	736-0159	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	746-04194	Cable, Control, Throttle	1
14	746-04125	Cable, Control, Brake	1
15	712-0181	Nut, Jam Lock 3/16-16, Gr5	1

ENGINE — CRANK SHAFT & CRANK CASE

Crankshaft



Crankcase



ENGINE — CRANK SHAFT & CRANK CASE

CRANKSHAFT

1. Crankshaft (Includes 2) KH-24-014-82-S
2. Plug, cup..... KH-52-139-09

CRANKCASE

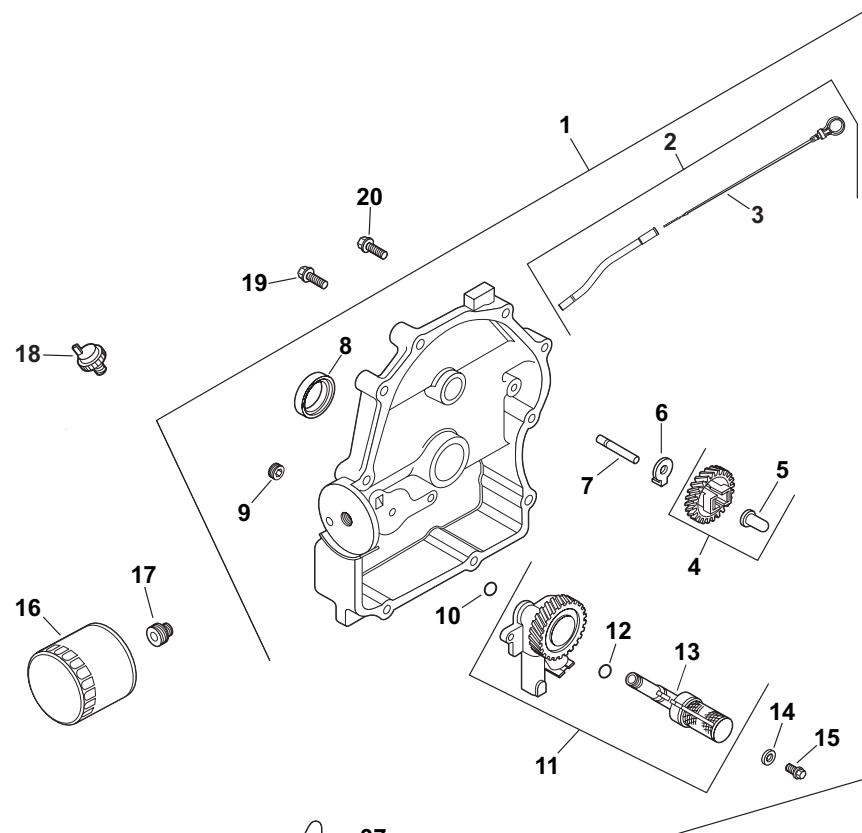
1. Crankcase (Use Miniblock KH-24-782-15)
2. Plug, hex. head 3/8" (2)..... KH-25-139-57-S
3. Seal, front oil..... KH-24-032-01-S
4. Pin, locating (6)..... KH-24-380-13-S
5. Connecting Rod (Std.) (2) KH-24-067-13-S
- Connecting Rod (.25) (2)..... KH-24-067-14
6. Piston w/Ring Set (Std.) (2) (Includes 7,8)..... KH-24-874-17-S
- Piston w/Ring Set (.08) (2) KH-24-874-14-S
- Piston w/Ring Set (.25) (2) KH-24-874-18-S
- Piston w/Ring Set (.50) (2) KH-24-874-19-S
7. Retainer, piston pin (4)..... KH-24-018-01
8. Ring Set (Std. & .08) (2) KH-24-108-11-S
- Ring Set (.25) (2) KH-24-108-12-S
- Ring Set (.50) (2) KH-24-108-13-S
9. Shim, camshaft (A.R.) red..... KH-12-422-09
- Shim, camshaft (A.R.) black..... KH-12-422-13
- Shim, camshaft (A.R.) white..... KH-12-422-07
- Shim, camshaft (A.R.) blue KH-12-422-08
- Shim, camshaft - yellow..... KH-12-422-10
- Shim, camshaft (A.R.) green..... KH-12-422-11
- Shim, camshaft (A.R.) gray..... KH-12-422-12
10. Camshaft KH-24-012-10-S
11. Retainer, ring KH-24-018-09-S
12. Washer, plain 9 mm..... KH-M-931010-S
13. Seal, governor cross shaft..... KH-28-032-09-S
14. Washer, plain 1/4"..... KH-24-468-15-S
15. Shaft, governor cross..... KH-24-144-38-S
16. Plug, cup..... KH-52-139-09

NOT ILLUSTRATED

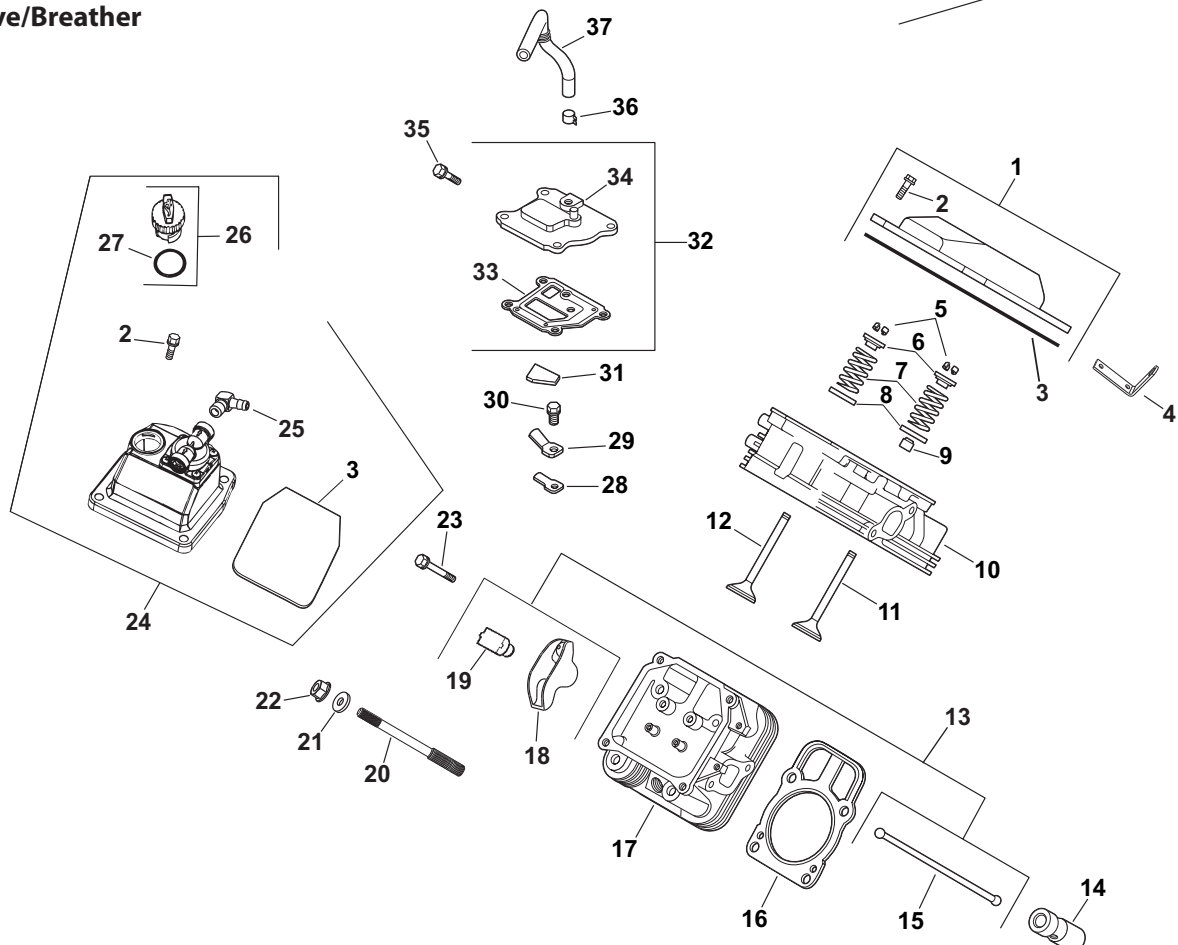
- Valve, oil drain (goes in the 2 o'clock position) KH-25 462-12-S
-

ENGINE — OIL PAN/LUBRICATION & HEAD/VALVE/BREATHER

Oil Pan/Lubrication



Head/Valve/Breather



ENGINE — OIL PAN/LUBRICATION & HEAD/VALVE/BREATHER

OIL PAN/LUBRICATION

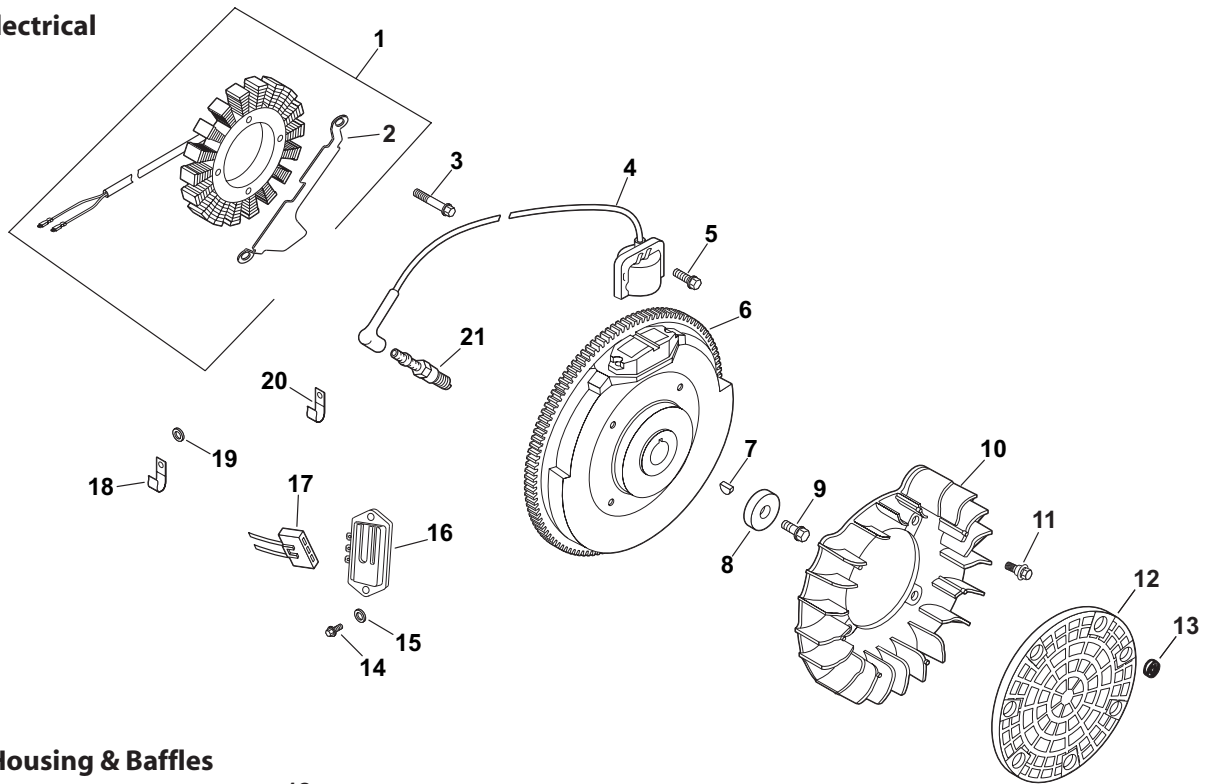
1. Plate, closure assembly (Includes 2-15).....	KH-24-009-83-S
2. Kit, tube w/dipstick (Includes 3).....	KH-24-755-121-S
3. Dipstick.....	KH-24-038-10-S
4. Kit, governor gear (Includes 5).....	KH-24-043-12
5. Pin, governor regulating.....	KH-12-380-01
6. Tab, locking.....	KH-24-448-02-S
7. Shaft, governor gear.....	KH-12-144-02
8. Seal, oil (PTO end).....	KH-52-032-08-S
9. Plug, pipe 1/8" (2).....	KH-25-139-60-S
10. O-Ring.....	KH-24-153-08
11. Oil pump assembly (Includes 12,13).....	KH-24-393-37-S
12. O-Ring, oil pick-up.....	KH-24-153-01
13. Pick-up, oil.....	KH-24-381-04
14. Washer, plain 6 mm (2).....	KH-M-631005
15. Screw, hex. flange M6x1.0x25 (2).....	KH-M-645025-S
16. Filter, oil.....	KH-12-050-01
17. Nipple, oil filter.....	KH-24-136-01
18. Switch, pressure.....	KH-25-099-24-S
19. Screw, hex. flange M8x1.25x45 (9).....	KH-24-086-16-S
20. Screw, hex. flange M8x1.25x45.....	KH-24-086-17-S
Decal, oil sentry (not illustrated).....	KH-25-113-05

HEAD/VALVE/BREATHER

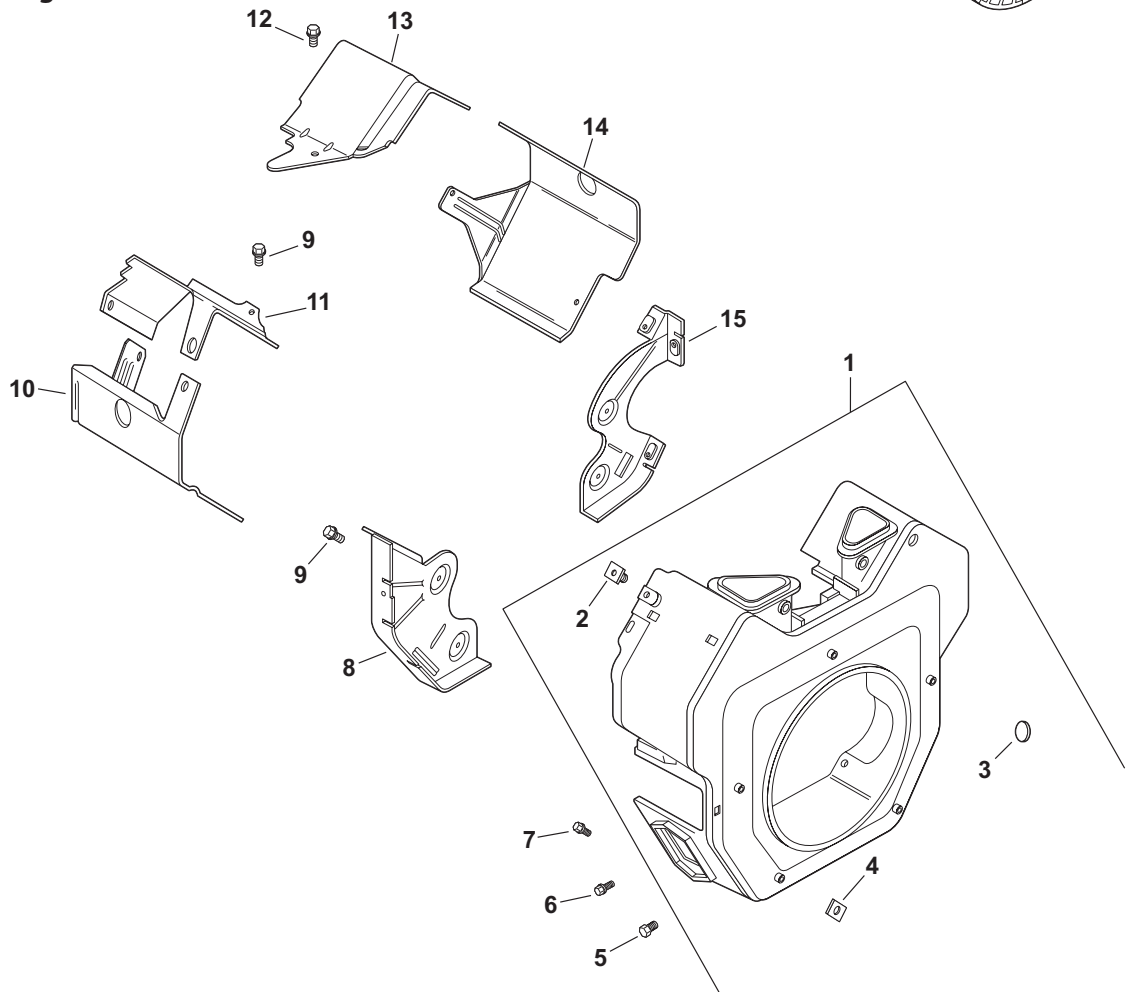
1. Kit, valve cover - plain (Includes 2,3).....	KH-24-755-141-S
2. Screw, hex. flange M6x1.0x30 (4).....	KH-M-651030-S
3. O-Ring, valve cover.....	KH-24-153-28-S
4. Strap, lifting.....	KH-24-445-01
5. Kit, retainer (4).....	KH-12-755-03
6. Cap, valve spring (4).....	KH-12-173-01
7. Spring, valve (4).....	KH-24-089-02
8. Retainer, spring (4).....	KH-235011-S
9. Seal, valve stem (2).....	KH-66-032-05-S
10. Head assembly, #1 cylinder.....	KH-24-318-68-S
11. Valve, intake (Std.) (2).....	KH-24-017-01
Valve, intake (.25) (2).....	KH-24-017-02
12. Valve, exhaust (Std.) (2).....	KH-24-016-01
Valve, exhaust (.25) (2).....	KH-24-016-02
13. Kit, valve train (Includes 15,18,19).....	KH-24-755-66
14. Lifter, valve (4).....	KH-25-351-01
15. Rod, push (4).....	KH-24-411-05
16. Kit, cylinder head gasket (Includes 21,22) (2).....	KH-24-841-01-S
17. Head assembly, #2 cylinder.....	KH-24-318-71-S
18. Arm, rocker (4).....	KH-25-186-01
19. Pivot, rocker arm (4).....	KH-24-599-01
20. Stud, cylinder head (8).....	KH-24-072-09-S
21. Washer, plain (8).....	KH-24-468-16-S
22. Nut (8).....	KH-24-100-10-S
23. Screw, hex. flange M6x1.0x34 (4).....	KH-66-086-07-S
24. Kit, fuel pump valve (Includes 2,3,25-27).....	KH-24-559-08-S
25. Fitting, 90° (2).....	KH-25-294-11-S
26. Cap assembly, oil fill (Includes 27).....	KH-24-227-02-S
27. O-Ring.....	KH-24-153-09
28. Reed, breather.....	KH-24-402-03
29. Retainer, breather reed.....	KH-66-018-04-S
30. Screw, hex. flange M5x0.8x10.....	KH-M-545010
31. Filter, breather.....	KH-24-050-01
32. Kit, breather (Includes 33,34).....	KH-24-033-01
33. Gasket, breather.....	KH-24-041-51-S
34. Cover, breather.....	KH-24-096-86-S
35. Screw, hex. flange M6x1.0x20 (4).....	KH-M-645020-S
36. Clamp, breather.....	KH-25-237-08-S
37. Hose, breather.....	KH-24-326-31-S
Kit, cylinder head hardware (Includes 5-9,11,12,15,18-20) (not illustrated).....	KH-24-755-147-S

ENGINE — IGNITION/ELECTRICAL & BLOWER HOUSING/BAFFLES

Ignition/Electrical



Blower Housing & Baffles



ENGINE — IGNITION/ELECTRICAL & BLOWER HOUSING/BAFFLES

IGNITION/ELECTRICAL

1. Kit, 15 amp stator (Includes 2).....	KH-54-755-09-S
2. Bracket, stator wire	KH-24-126-139-S
3. Screw, hex. cap M5x0.8x25 (2)	KH-M-548025-S
4. Module, ignition (2)	KH-24-584-01
5. Screw, hex. flange M5x0.8x20 (4)	KH-M-545020-S
6. Flywheel	KH-24-025-04
7. Key	KH-X-42-15
8. Washer, plain 3/8".....	KH-12-468-03
9. Screw, hex. flange M10x1.5x46	KH-12-086-14
10. Fan	KH-24-157-01
11. Bolt, shoulder (4).....	KH-25-086-47
12. Screen, grass.....	KH-24-162-02
13. Retainer, grass screen (3)	KH-24-018-03-S
14. Screw, phillips hd. 11-16x7/8" (2)	KH-24-086-18
15. Washer, plain 3/16" (2)	KH-X-25-92
16. Rectifier-regulator 15 amp.....	KH-41-403-09
17. Connector (3 contact).....	KH-236602-S
18. Clip, cable	KH-235173
19. Washer, plain 1/4".....	KH-X-25-63
20. Clip, cable.....	KH-48-154-02
21. Spark Plug (2).....	KH-12-132-02

NOT ILLUSTRATED

Screw, tapping (2).....	KH-25-086-91-S
Bracket, ground strap	KH-24-126-137-S
Washer, flat	KH-25-468-07-S
Harness, wiring	KH-24-176-08
Tie, wire (2).....	KH-25-454-03-S

BLOWER HOUSING & BAFFLES

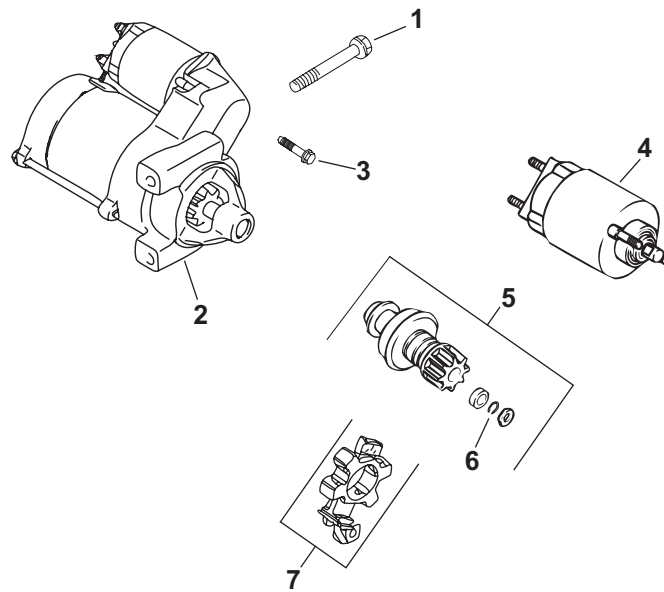
1. Housing, blower (Includes 2-4)	KH-24-027-175-S
2. Nut, plastic (3).....	KH-24-100-01
3. Plug, button.....	KH-25-139-16
4. Nut, plastic (2).....	KH-24-100-02
5. Screw, hex. flange M5x0.8x16	KH-M-551016-S
6. Screw, hex. flange M5x0.8x16 (3)	KH-M-545016-S
7. Screw, hex. flange M5x0.8x20 (4)	KH-M-545020-S
8. Plate, backing - #2 side.....	KH-24-146-16-S
9. Screw, hex. flange M6x1.0x16 (6)	KH-M-645016-S
10. Baffle, cylinder barrel - #2 side.....	KH-24-063-20
11. Baffle, valley - #2 side.....	KH-24-063-70-S
12. Screw, hex. flange M5x0.8x10 (2)	KH-M-545010
13. Baffle, valley - #1 side.....	KH-24-063-59-S
14. Baffle, cylinder barrel - #1 side.....	KH-24-063-58-S
15. Plate, backing - #1 side.....	KH-24-146-20-S

NOT ILLUSTRATED

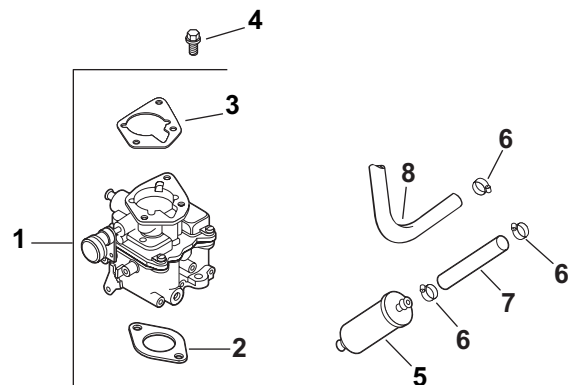
Decal, 20 HP.....	KH-24-113-95-S
Decal, clear lamination.....	KH-25-113-39-S

ENGINE — STARTING & FUEL SYSTEMS

Starting System



Fuel System



ENGINE — STARTING & FUEL SYSTEMS

STARTING SYSTEM

- | | |
|--|-----------------|
| 1. Screw, hex. flange M8x1.25x80 (2) | KH-M-839080 |
| 2. Starter, solenoid assembly (Includes 3-7) | KH-25-098-09-S |
| 3. Screw, external torx hd. (3) | KH-25-086-113-S |
| 4. Kit, solenoid (Includes 4) | KH-25-435-05-S |
| 5. Kit, starter pinion (Includes 6) | KH-25-755-33-S |
| 6. Pinion | KH-25-141-05-S |
| 7. Kit, brush | KH-25-221-01-S |

FUEL SYSTEM

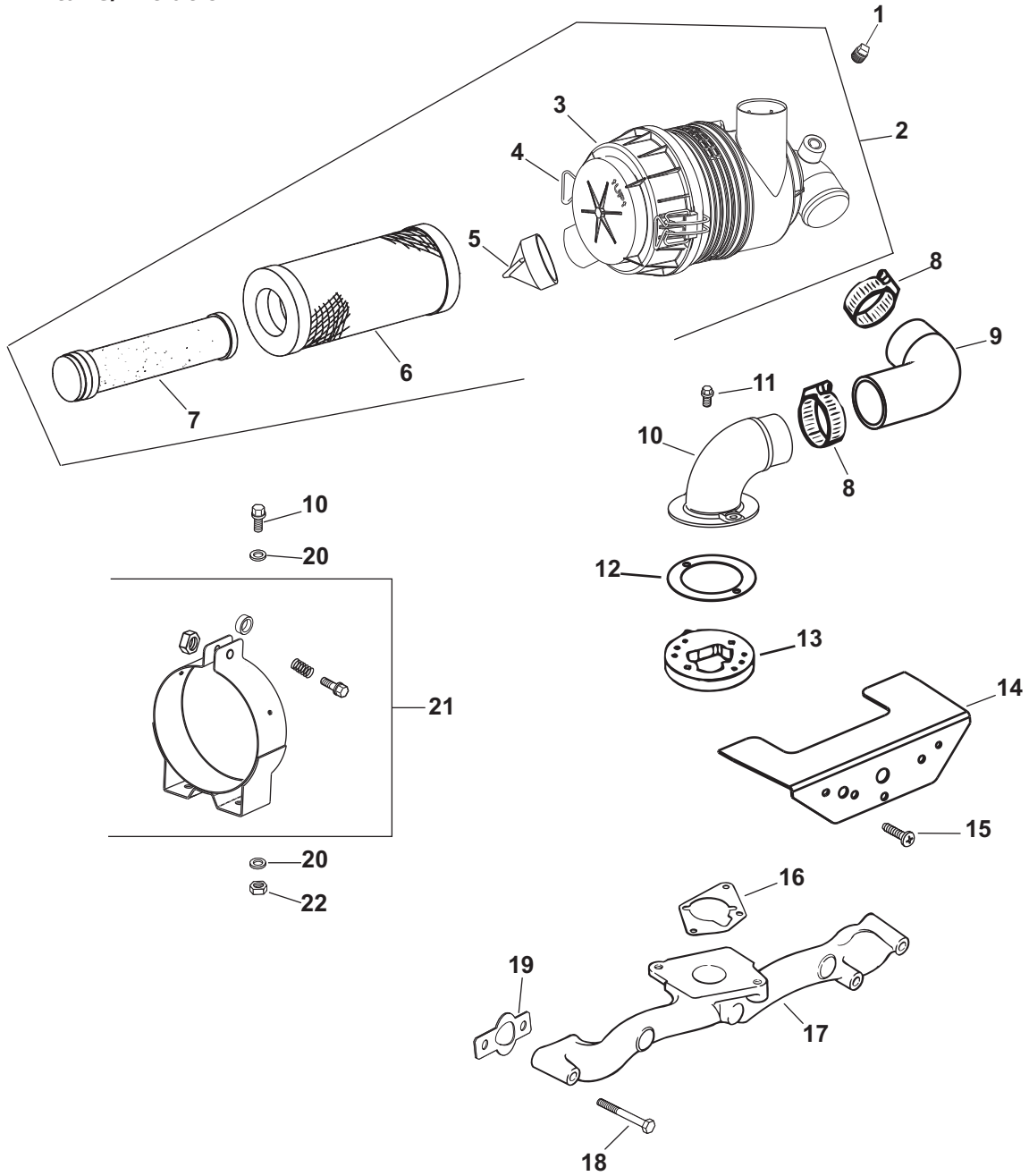
- | | |
|--|----------------|
| 1. Kit, carburetor w/gasket (Includes 2,3) | KH-24-853-43-S |
| 2. Gasket, air cleaner base | KH-24-041-06 |
| 3. Gasket, carburetor | KH-24-041-17 |
| 4. Screw, hex. flange M6x1.0x30 (2) | KH-M-651030-S |
| 5. Filter, fuel | KH-24-050-10-S |
| 6. Clamp, hose (4) | KH-25-237-14-S |
| 7. Line, fuel 21" (carb to filter) | KH-52-353-20 |
| 8. Line, fuel 11" (carb to pump) | KH-24-353-12 |

NOT ILLUSTRATED

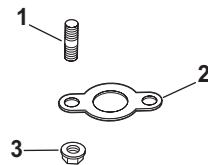
- | | |
|--|-----------------|
| Lead, ground (solenoid to carb mounting screw) | KH-24-518-24-S |
| Kit, high altitude | KH-24-755-125-S |
| Kit, solenoid | KH-24-757-01 |
| Kit, float repair | KH-24-757-02-S |
| Kit, carburetor repair | KH-24-757-03-S |
| Kit, choke repair | KH-24-757-07 |
-

ENGINE — AIR INTAKE/FILTRATION & EXHAUST

Air Intake/Filtration



Exhaust



ENGINE — AIR INTAKE/FILTRATION & EXHAUST

AIR INTAKE/FILTRATION

1. Plug, pipe.....	KH-25-139-20-S
2. Air cleaner assembly 5-1/4" (Includes 3-8)	KH-25-048-08-S
3. Cover assembly, plastic air cleaner (Includes 4).....	KH-25-096-06-S
4. Clip.....	KH-25-154-05-S
5. Valve, dust ejector	KH-24-462-07-S
6. Element, air cleaner - primary	KH-25-083-01-S
7. Element, safety	KH-25-083-04-S
8. Clamp, hose (2)	KH-24-237-02-S
9. Hose, air cleaner.....	KH-24-326-32-S
10. Adapter, remote air cleaner.....	KH-24-029-21-S
11. Screw, hex. flange M6x1.0x16 (6).....	KH-M-639016-S
12. Gasket, adapter	KH-24-041-34-S
13. Adapter assembly	KH-24-029-26-S
14. Shield, debris.....	KH-24-314-25-S
15. Screw, phillips hd. 11-16x3/4" (2).....	KH-24-086-06
16. Gasket, air cleaner base	KH-24-041-06
17. Manifold, intake	KH-24-164-14
18. Screw, hex. flange M6x1.0x55 (4).....	KH-25-086-84-S
19. Gasket, intake manifold (2)	KH-24-041-01
20. Washer, plain (4)	KH-X-25-73-S
21. Bracket, air cleaner	KH-25-126-02-S
22. Nut, hex. lock (2).....	KH-M-647060

NOT ILLUSTRATED

Decal, air cleaner	KH-25-113-27-S
--------------------------	----------------

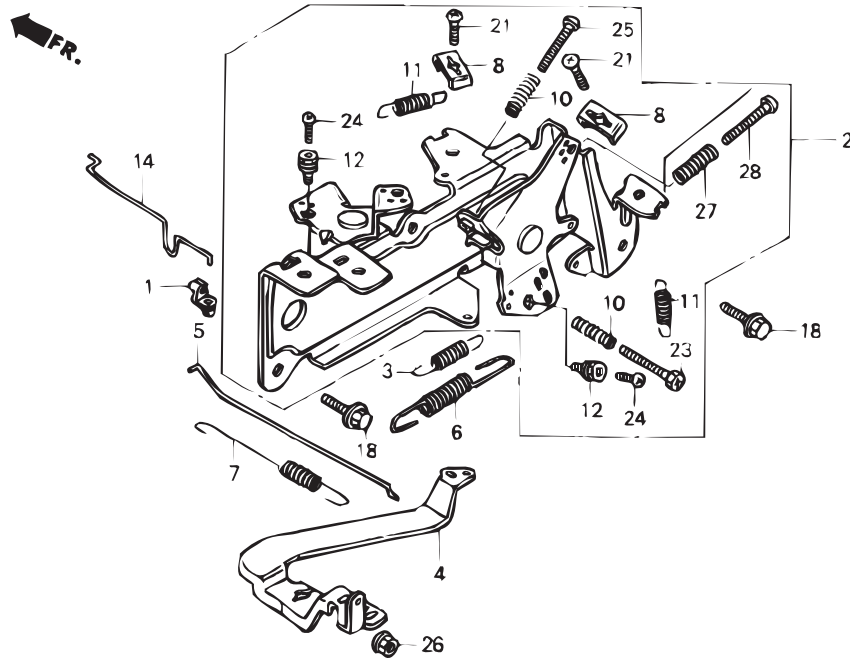
EXHAUST

1. Stud M8x1.25x33 (4).....	KH-25-072-04
2. Gasket, exhaust manifold (2)	KH-24-041-49-S
3. Nut, hex. flange M8x1.25 (5).....	KH-M-841080

NOT ILLUSTRATED

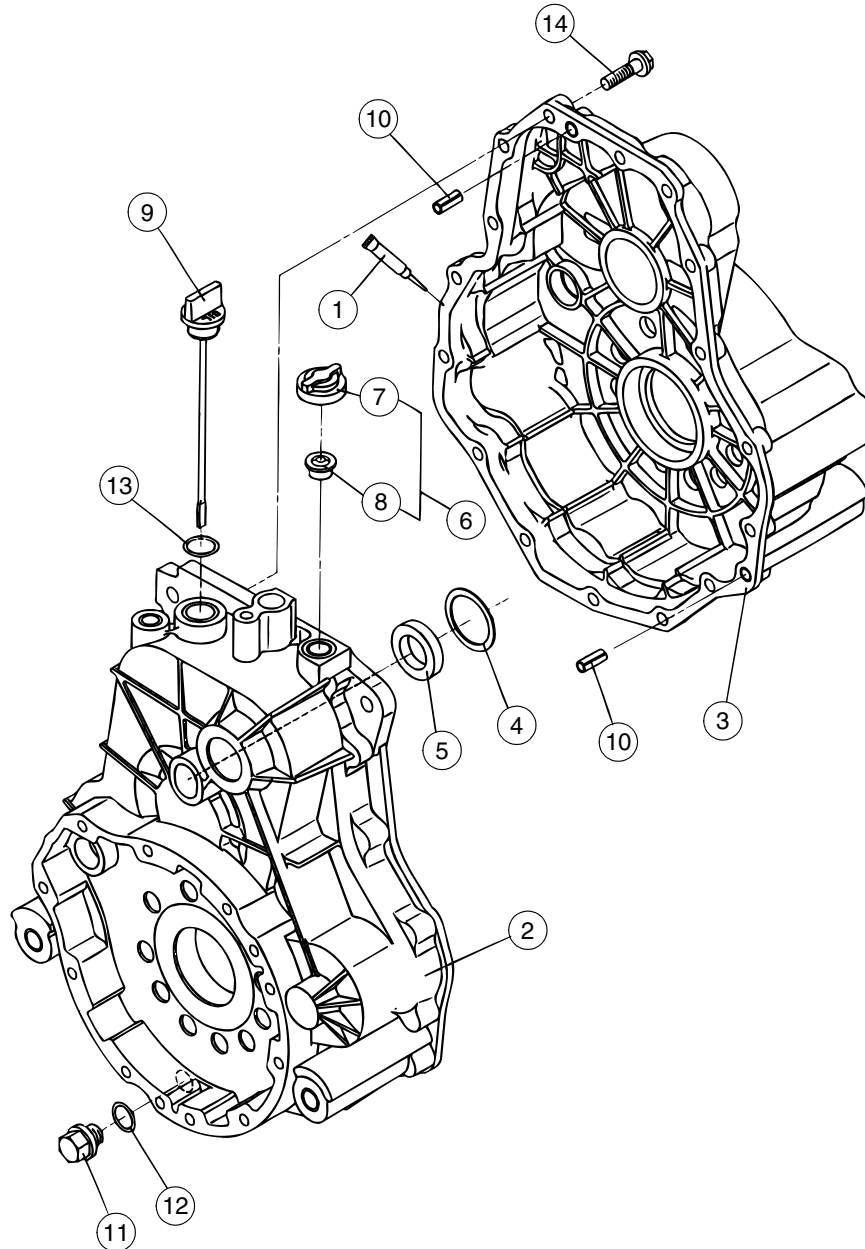
Short Block.....	KH-24-522-180
Miniblock.....	KH-24-782-15
Gasket Set	KH-24-755-107-S

ENGINE — CONTROL



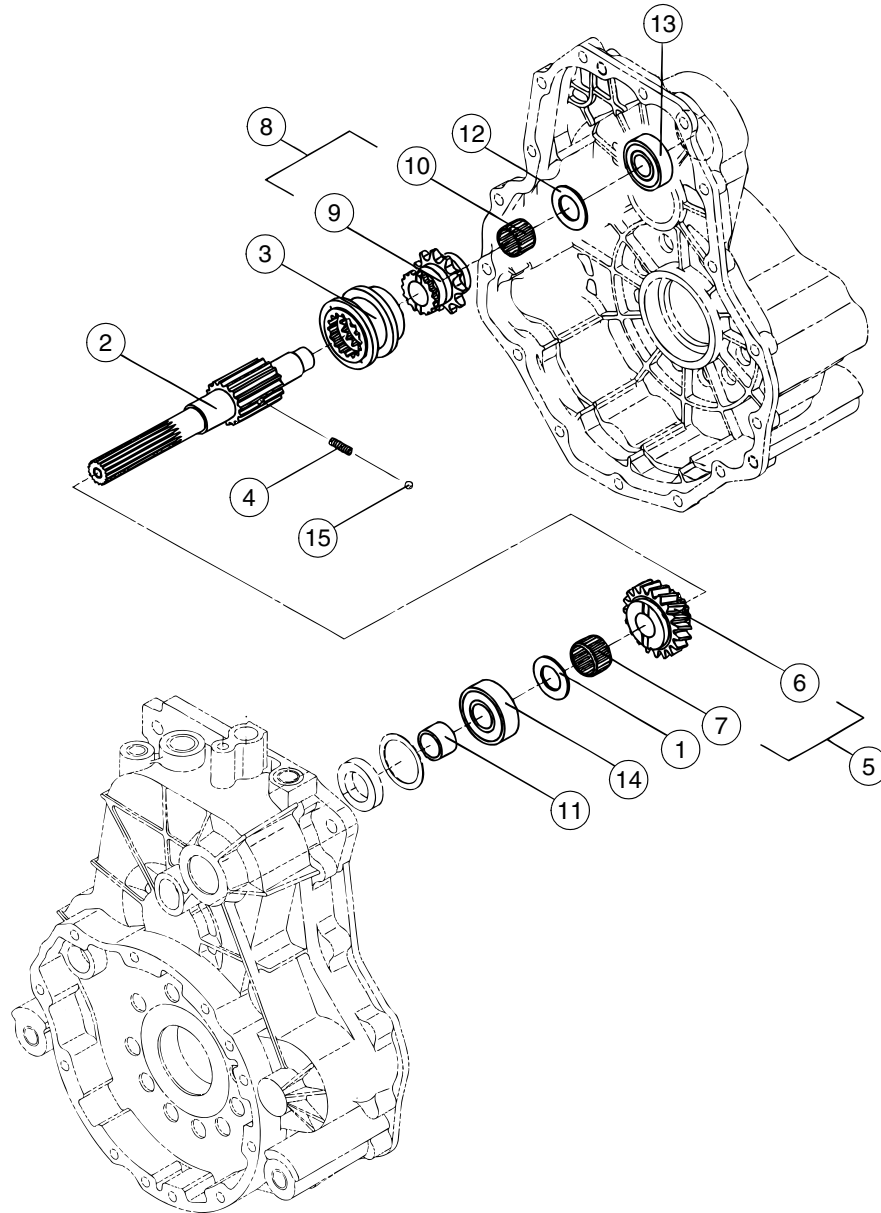
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	16263-883-W10	Joint, Rod	1
2	16500-ZJ1-861	Control Assembly	1
3	16534-ZJ1-840	Spring, Starter	1
4	16551-ZJ1-840	Arm, Governor	1
5	16555-ZJ1-840	Rod, Governor	1
6	16561-ZJ4-830	Spring, Governor	1
7	16562-ZJ1-840	Spring, Throttle Return	1
8	16576-891-000	Holder,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



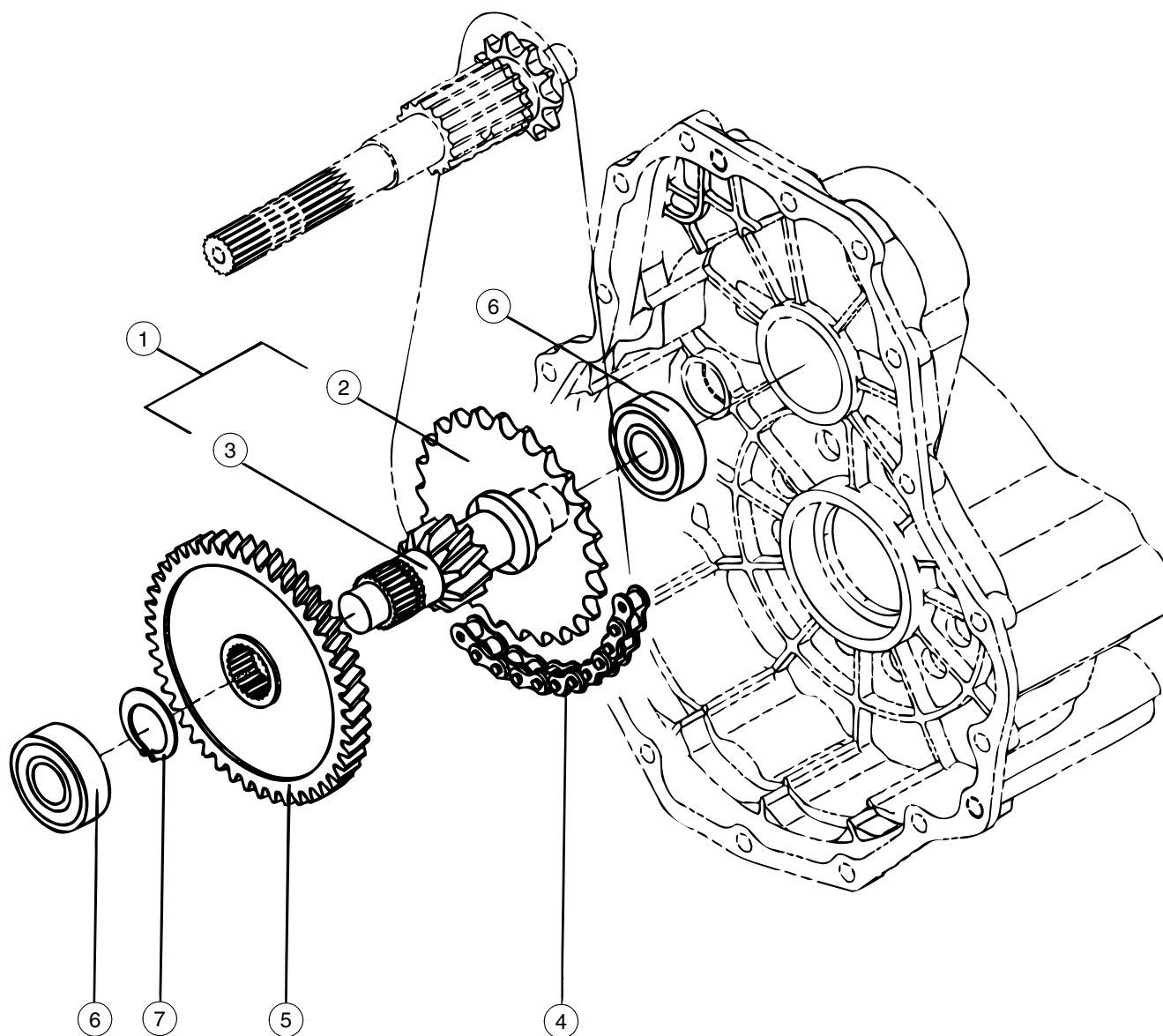
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-19485524020	Sealant	1
2	TT-19216224111	Housing, Transaxle, Left	1
3	TT-19216224121	Housing, Transaxle, Right	1
4	TT-19485524150	Washer, 36 x 45.5 x 1.2	1
5	TT-19216224190	Seal, TC 30 40 8	1
6	TT-19485924252	Vent Valve	1
7	TT-19485924262	Cap, Vent Valve	1
8	TT-19485924270	Body, Vent Valve	1
9	TT-19216224291	Cap, Oil	1
10	TT-22351080020	Pin, 8 x 20	2
11	TT-23491140002	Plug, 14	1
12	TT-24311000160	Packing, P 16	1
13	TT-24311000180	Packing, P 18	1
14	TT-19216224160	Bolt, 28 x 10 x 9	16

TRANSMISSION — INPUT SHAFT ASSEMBLY



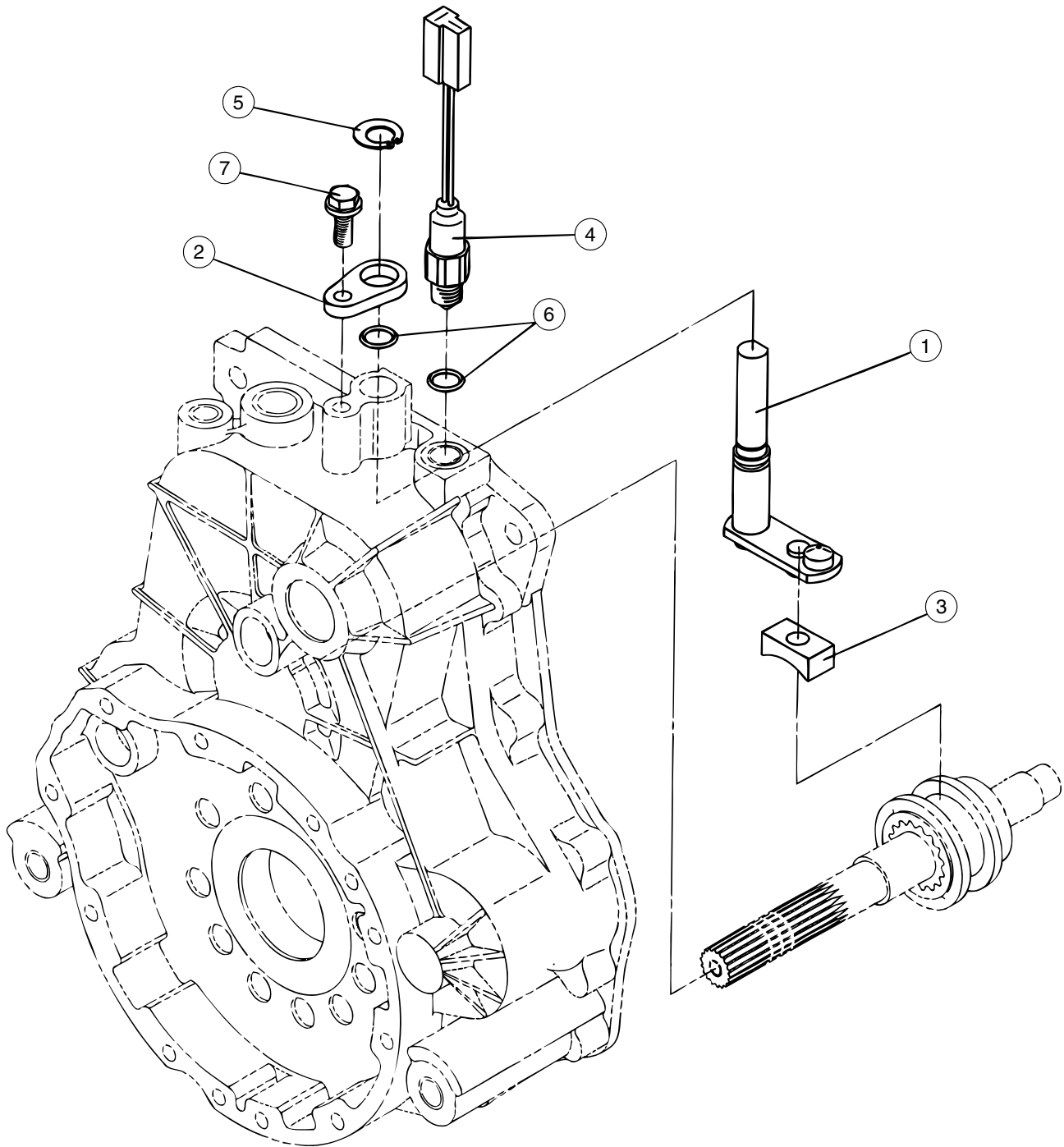
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-19216224680	Washer 20 x 35 x 1.6	1
2	TT-19216225212	Input Shaft	1
3	TT-19216225340	Shifter	1
4	TT-19216225250	Spring 29.5	1
5	TT-19216225370	Gear 19H Kit	1
6	TT-19216225360	Gear 19H, Input	1
7	TT-19216225260	Needle 24 x 28 x 17	1
8	TT-19216225280	Sprocket 11 Kit	1
9	TT-19216225230	Sprocket 11, Input	1
10	TT-24161202417	Needle 20 x 24 x 17	1
11	TT-19216225290	Sleeve 20 x 30 x 13	1
12	TT-1E619054160	Washer 17.2 x 30 x 1.5	1
13	TT-24101062034	Bearing 6203	1
14	TT-19215931410	Bearing 6204R SH2	1
15	TT-24190080001	Ball, 1/4	2

TRANSMISSION — REDUCTION ASSEMBLY



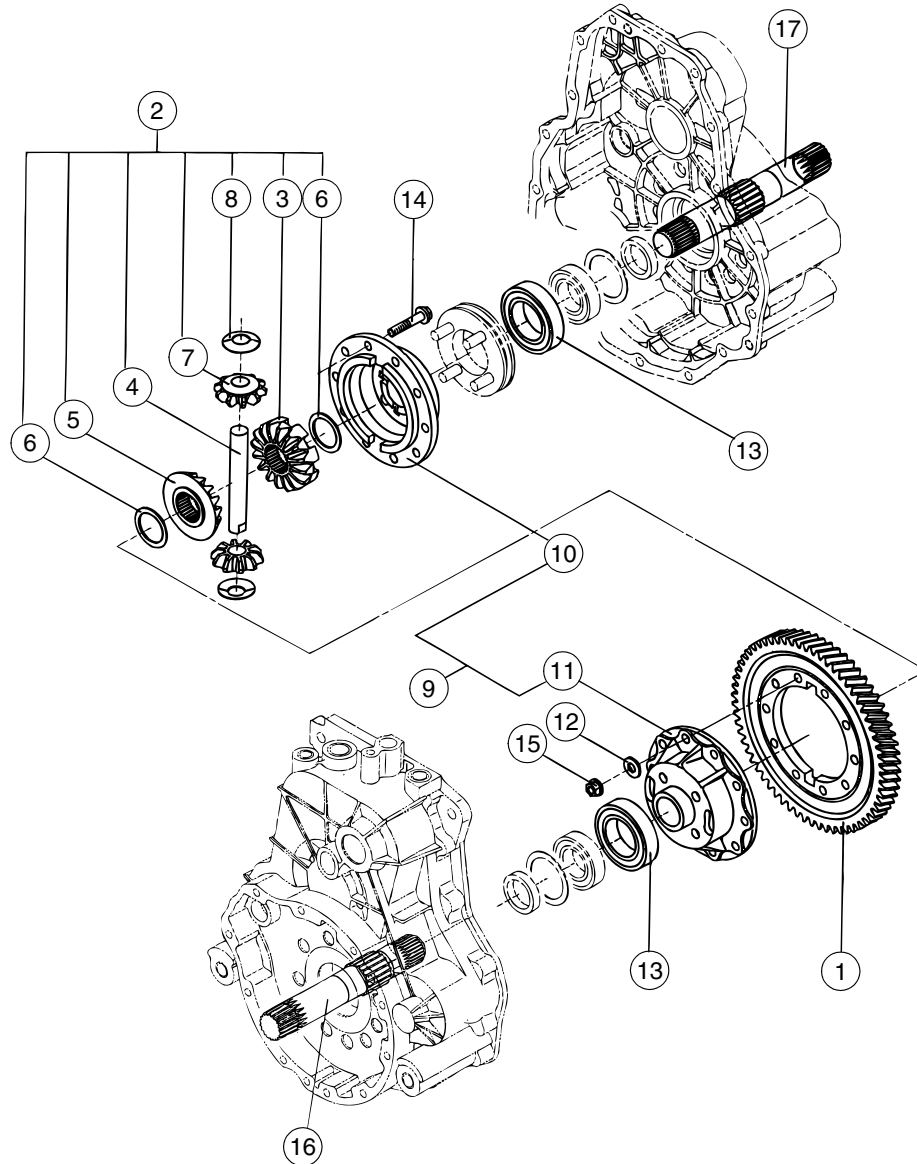
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-19216225460	Reduction Shaft Assembly	1
2	TT-19216225420	Sprocket, 27	1
3	TT-19216225480	Shaft, Reduction	1
4	TT-19485525460	Chain, 40 x 34	1
5	TT-19216224190	Gear, 46H, Reduction	1
6	TT-19215931410	Bearing, 6204R, SH2	2
7	TT-22242000260	Ring, 26	1

TRANSMISSION — RANGE SHIFT ASSEMBLY



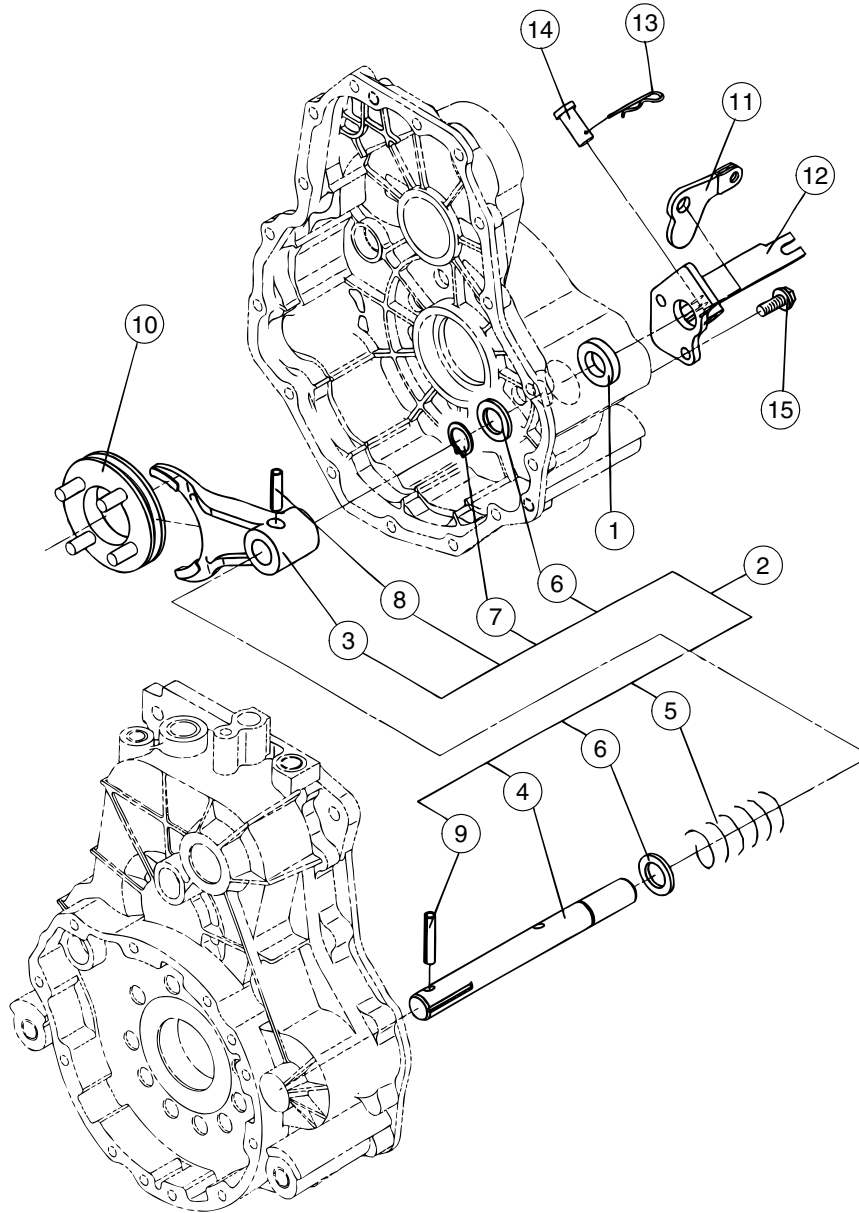
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-19216227111	Arm, Shift	1
2	TT-19216227680	Plate	1
3	TT-19216228300	Block, Shift	1
4	TT-19485552111	Switch	1
5	TT-22242000140	Ring, 14	1
6	TT-24311000125	Packing, P 12.5	2
7	TT-26476080202	Tapping Screw, 8 x 20	1

TRANSMISSION — DIFFERENTIAL GEAR ASSEMBLY



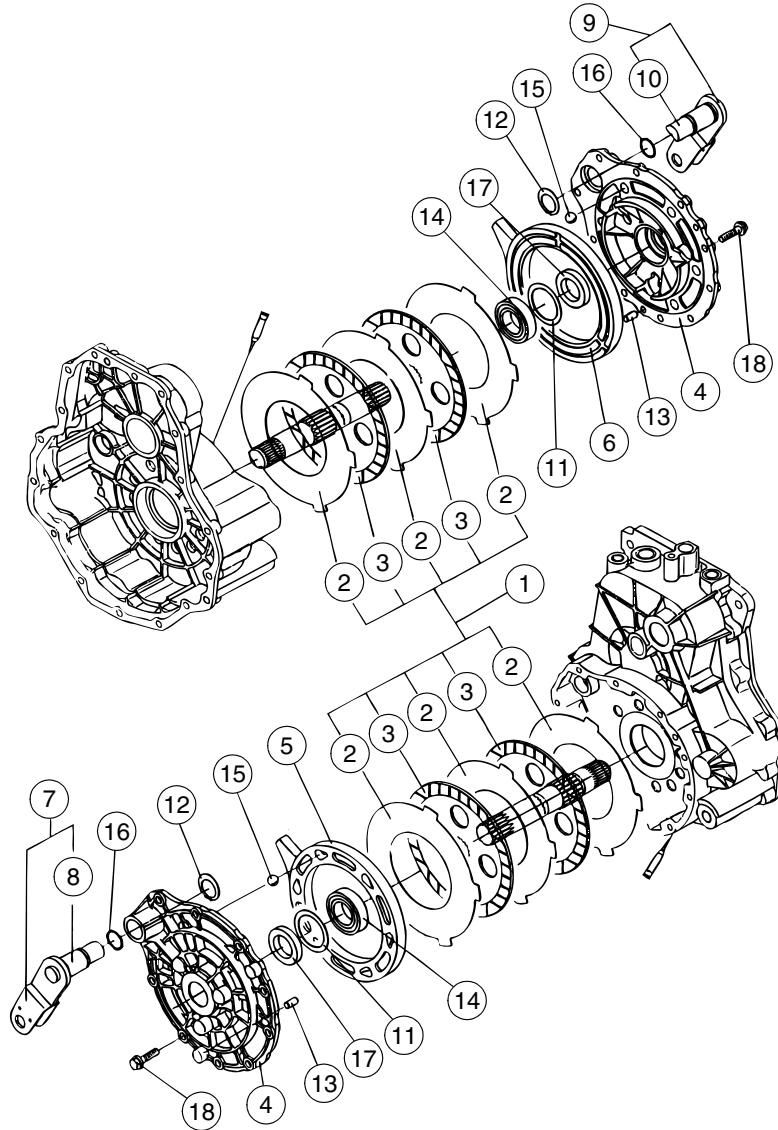
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-19216231460	Gear, 63H, Final	1
2	TT-19216231510	Differential, Gear Kit	1
3	TT-19216231520	Gear (RR, Differential)	1
4	TT-19485531550	Shaft, Differential Pinion	1
5	TT-19215731580	Differential Side Gear, RH	1
6	TT-19216231610	Washer, Differential Gear	2
7	TT-19452531810	Pinion, Differential	2
8	TT-19451531850	Washer, Differential Pinion	2
9	TT-19216232100	Differential, Case Kit	1
10	TT-19216232110	Case (R, Differential)	1
11	TT-19216232120	Case (L, Differential)	1
12	TT-22117080000	Washer, 8	10
13	TT-24101060084	Bearing, 6008	2
14	TT-26106080402	Bolt, 8 x 40	10
15	TT-26716080002	Nut, 8	10
16	TT-19216233612	Shaft, LH	1
17	TT-19216233622	Shaft, RH	1

TRANSMISSION — DIFFERENTIAL LOCK ASSEMBLY



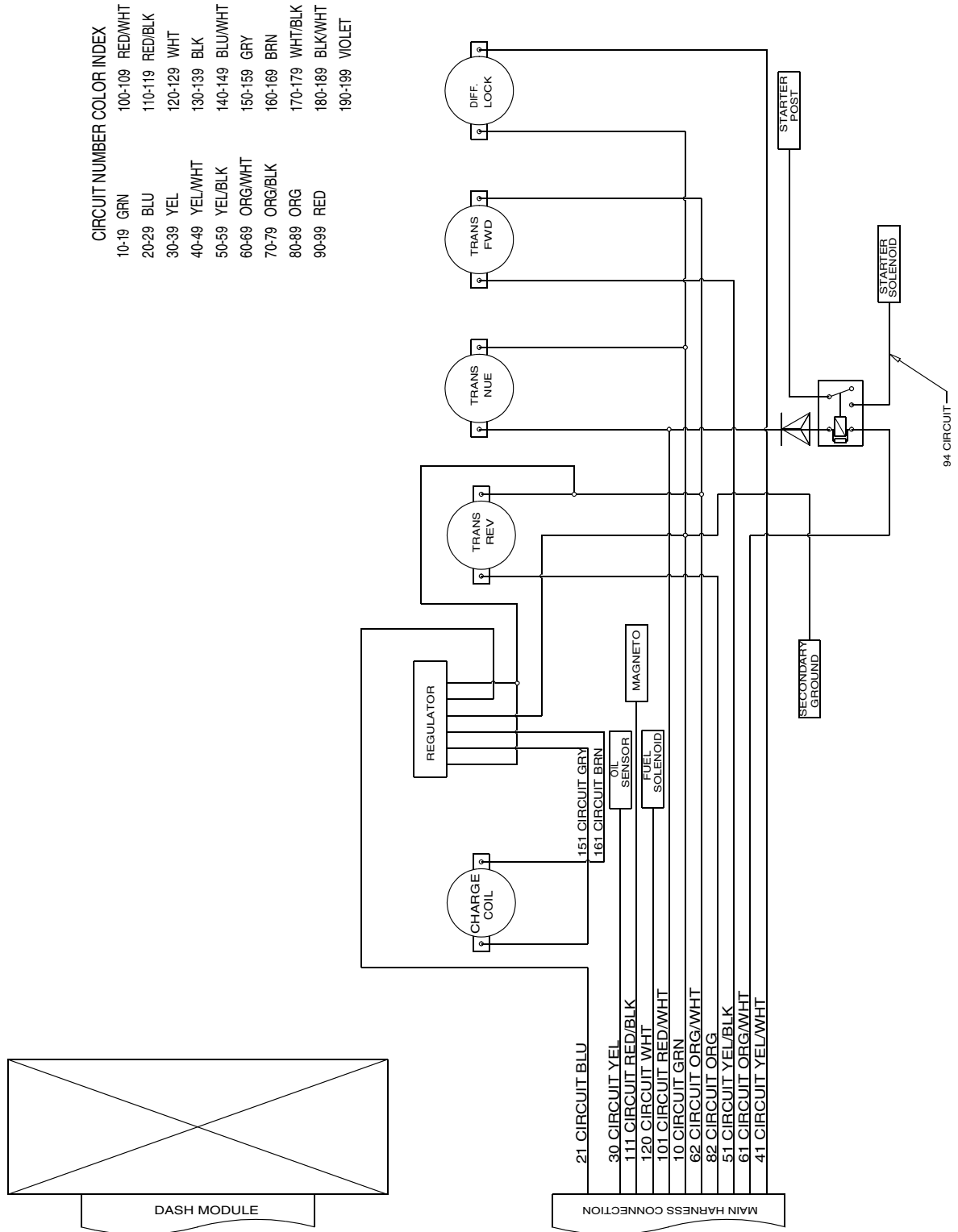
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-19423527270	Seal, TC4 20 35 7	1
2	TT-19216233100	Differential Lock Kit	1
3	TT-19216233120	Fork, Differential Lock	1
4	TT-19216233131	Shaft, Differential Lock	1
5	TT-19430033160	Spring, Differential Lock	1
6	TT-19430033200	Spacer, 20 x 32 x 3.2	2
7	TT-22242000200	Ring, 20	1
8	TT-22351080032	Pin, 8.0A x 32	1
9	TT-22351080040	Pin, 8.0A x 40	1
10	TT-19485433110	Slider, Differential Lock	1
11	TT-19216233140	Arm, Differential Lock	1
12	TT-19216233150	Bracket, Differential Lock	1
13	TT-22360120000	Pin, 12	1
14	TT-22487120200	Pin, 12 x 20	1
15	TT-26476080202	Tapping Screw, 8 x 20	2

TRANSMISSION — BRAKE ASSEMBLY

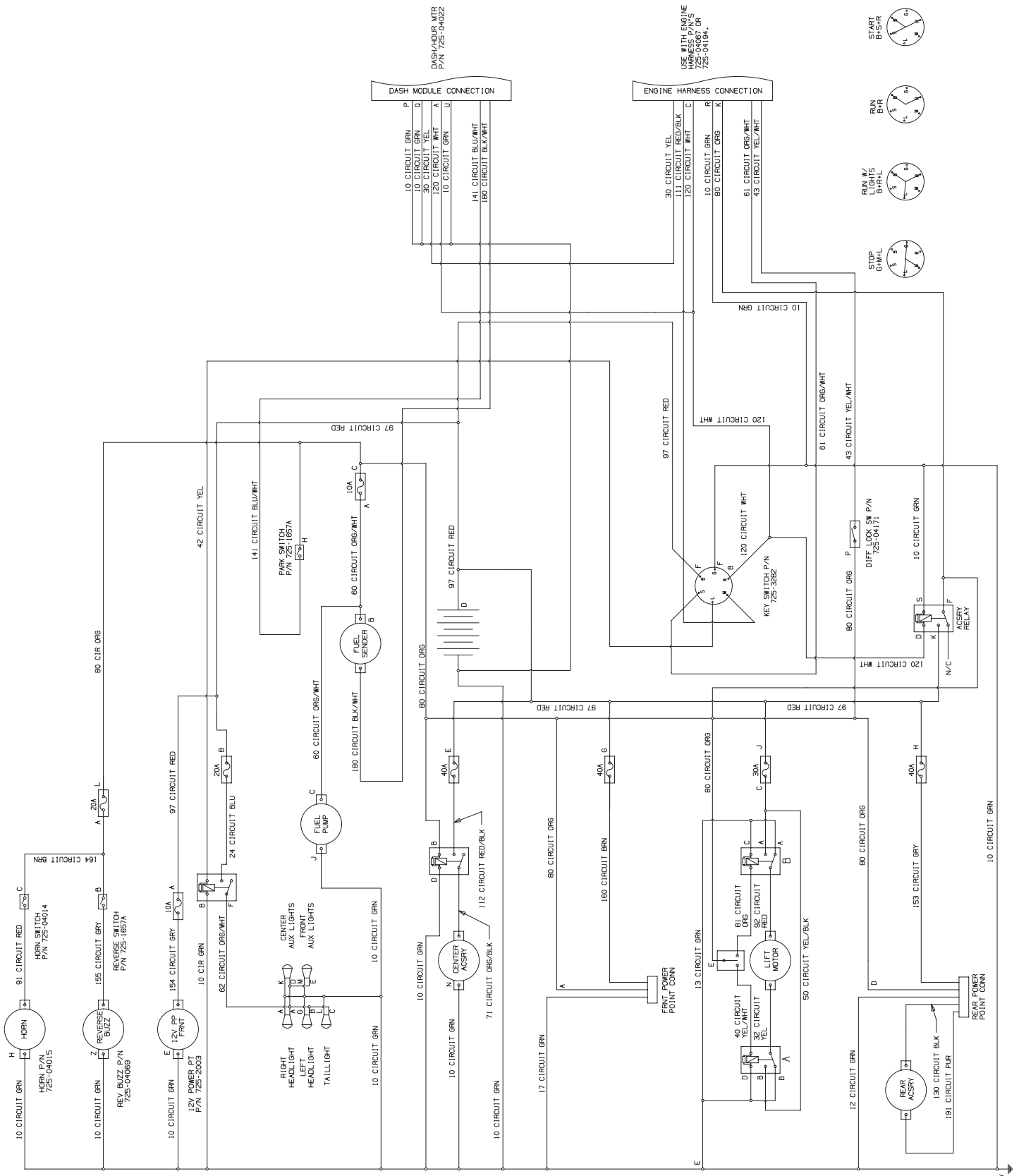


REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	TT-19216236300	Plate Kit	1
2	TT-19216236320	Steel Plate	6
3	TT-19455536511	Friction Plate, 175	4
4	TT-19216236310	Cover, Brake	2
5	TT-19216236330	Actuator, LH	1
6	TT-19216236340	Actuator, RH	1
7	TT-19216236400	Cam Lever Complete, LH	1
8	TT-19216236360	Cam Lever Shaft	1
9	TT-19216236410	Cam Lever, Complete, RH	1
10	TT-19216236360	Cam Lever Shaft	1
11	TT-19216236390	Washer, 42 x 54.6 x 1	2
12	TT-22242000250	Ring, 25	2
13	TT-22312080160	Pin, 8 x 16	4
14	TT-24101060064	Bearing, 6006	2
15	TT-24190160001	Ball, 1/2	12
16	TT-24311000210	Packing, P 21	2
17	TT-24421304708	Seal, TC304708	2
18	TT-26476080302	Tapping Screw, 8 x 30	20

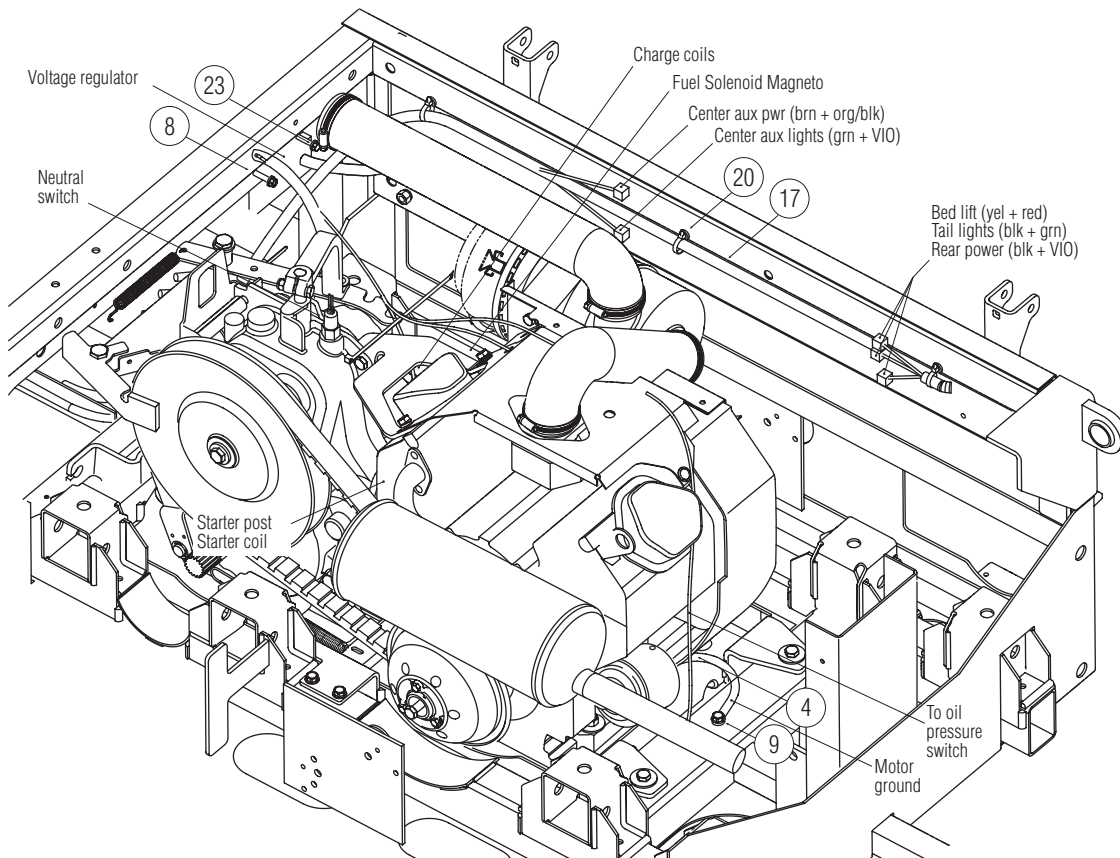
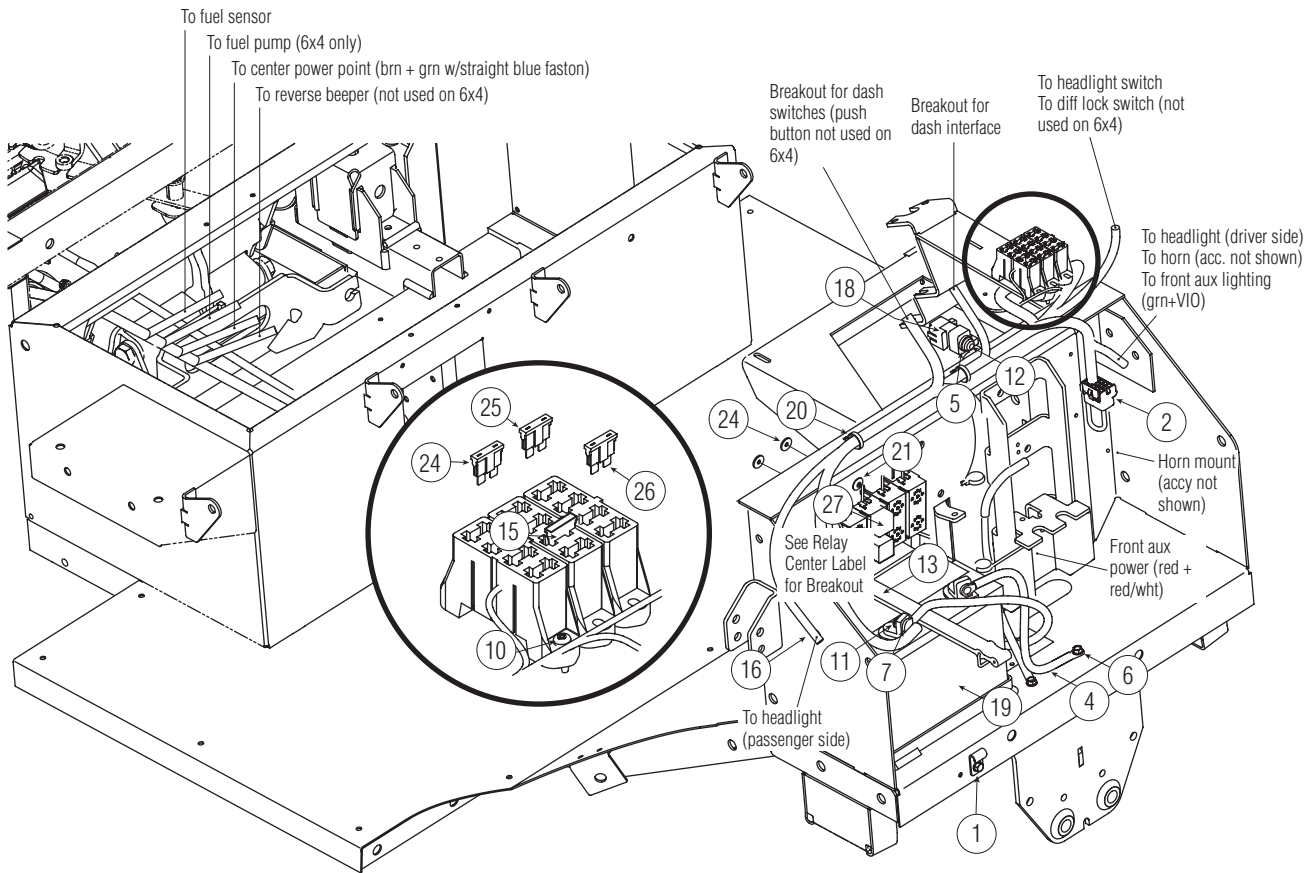
ELECTRICAL SCHEMATIC



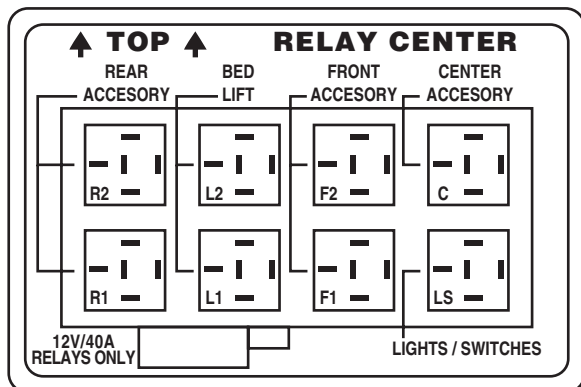
ELECTRICAL SCHEMATIC



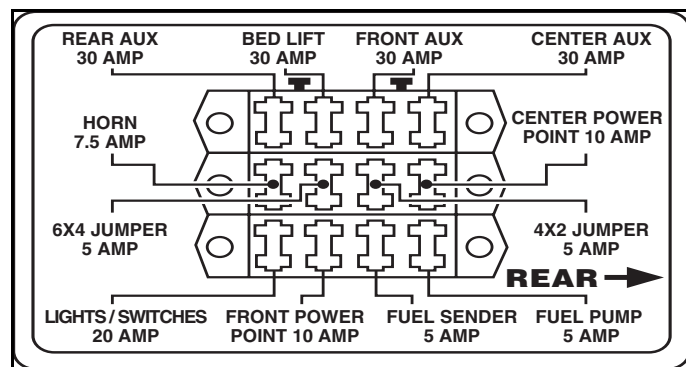
ELECTRICAL SYSTEM



ELECTRICAL SYSTEM



Relay Center

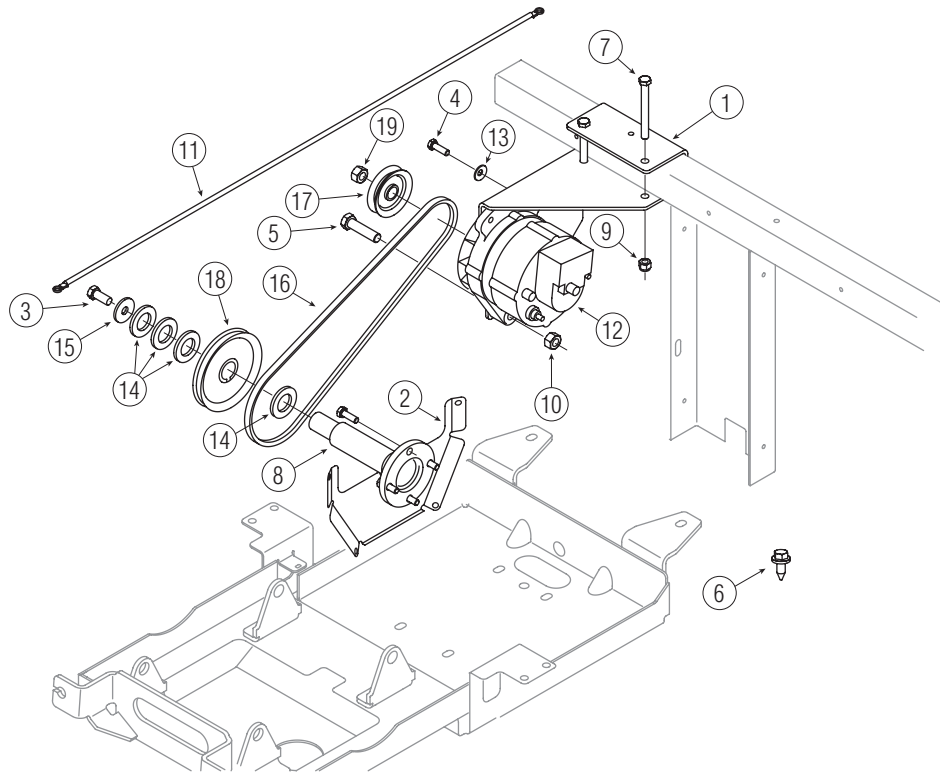


Fuse Box

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	629-04141	Harness, Kohler Motor Wire	1
18	725-1657A	Switch, Interlock	1
19	725-1738A	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
28	725-04182	Rear Power Accessory Harness	1

* Not Shown

ALTERNATOR



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	707-04619	Front Mounting Bracket	1
2	707-04637	Engine Shield Bracket	1
3	710-0314	Hex Head Screw 7/16-20 x 1.00	1
4	710-0376	Screw, Hex, 5/16-18 x 1 .00 GR5 STD	1
5	710-0489	Screw, Hex, 1/2-13 x 2.00 GR5 STD	1
6	710-0896	Screw, Hex, 1/4-14 x .625 Hex Ind. Washer	1
7	710-3198	Screw, Hex, 3/8-16 x 3.50 GR5 Spec.	2
8	711-04461	Kohler Front Drive Shaft	1
9	712-0130	Nut, Flange Lock, 3/8-16	2
10	712-3022	Nut, Hex Lock, 1/2-13	1
11	725-04148	Alternator Harness, Aux.	1
12	725-04161	Alternator, 65 AMP	1
13	736-0242	Washer, Bell, .340 x .872 x .060	1
14	736-0274	Washer, Flat, 1.01 x 1.75 x .172	4
15	736-0319	Washer, Flat, .450 x 1.380 x .134	1
16	754-0465	V Belt, 3/8 x 35.68 long	1
17	756-04097	Pulley, 2.65 OD x 3L	1
18	756-04197	Pulley, 4.5 OD x 1" Hub	1
19	712-3056	Jam Nut 5/8-16	1
20	725-04299*	Kohler Alternator Accessory Harness	1
21	725-04300*	Kohler Alternator Accessory Ground	1

* Not Shown

LABELS

