



Workman[®] e2050 Utility Vehicle

Model No. 07280TC - 250000001 and up.

Parts Catalog

Ordering Replacement Parts

To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

Understanding Reference Numbers

Each Identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustrations and in part lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

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Part Description Abbreviations

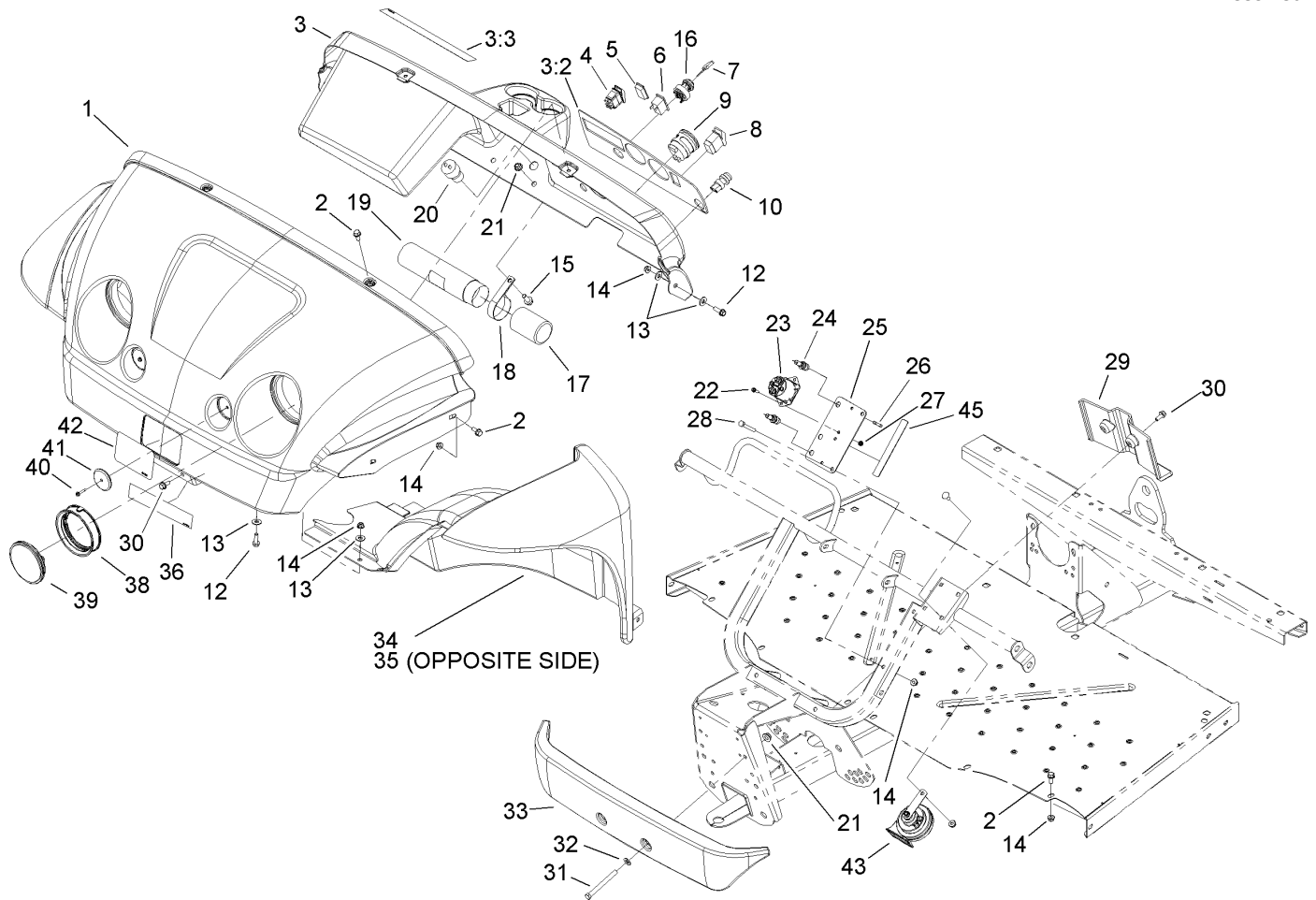
Part descriptions in this catalog may include the following abbreviations.

AR. as required	INC. incorporated
ASM. assembly	LH. left hand
CARR. carriage	NI. nylon insert
DEG. degrees	PPH. phillips pan head
FH. flat head	PTH. phillips truss head
GA. gauge	PTO. power take off
HF. hex flange	RH. right hand
HH. hex head	SFH. slotted fillister head
HHF. hex head flange	SHH. slotted hex head
HHFTF. hex head flange thread forming	SHWH. slotted hex washer head
HJ. hex jam	SPH. slotted pan head
HLH. hex lag head	SQH. square head
HOC. height-of-cut	SRH. slotted round head
HS. hex	STD. standard
HSBH. hex socket button head	TAP. self tapping
HSFH. hex socket flat head	TTH. torx truss head
HS. hex socket head	WH. wing head
HWH. hex washer head	
HWHTF. hex washer head thread forming	
HYD. hydraulic	

Footnotes

❶ Not illustrated

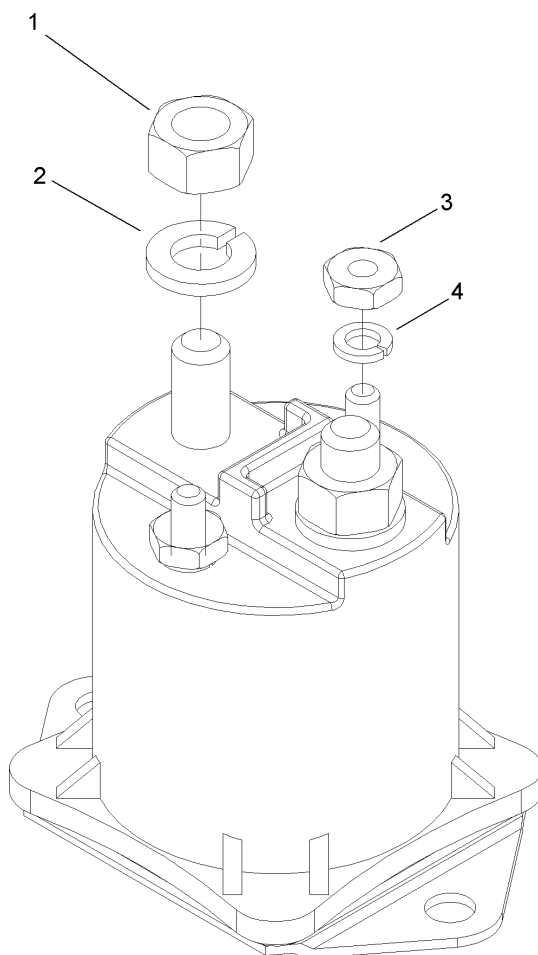
❷ Not serviced separately



Hood and Fender Assembly

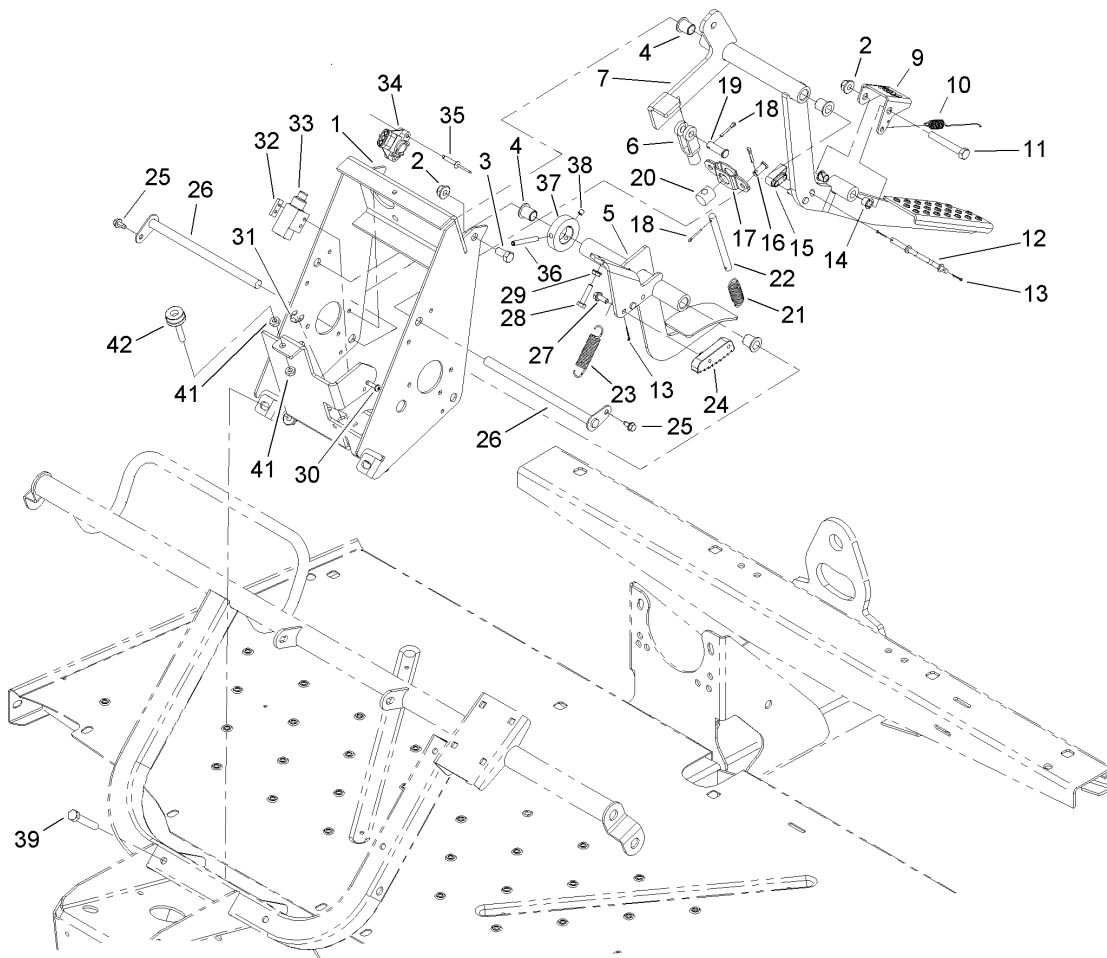
Ref	Part No.	Qty.	Description
1	104-7003	1	Hood
2	3234-5	14	Screw
3	104-7216	1	Electric Dash ASM
3:2	104-7214	1	Decal-Dash, Electric
3:3	104-7215	1	Decal-Danger, Electric Vehicle
4	107-0255	1	Switch
5	99-7420	2	Plug-Hole
6	104-7129	1	Light-Indicator
7	99-7418	1	Key-Ignition
8	107-0747	1	Switch-Rocker
9	107-0260	1	Gauge-Hour/battery Level, 48 Volt
10	18-2830	1	Button-Horn
12	3234-17	4	Screw-HHF
13	3256-3	8	Washer-Flat
14	104-8300	16	Nut-Flange, NI
15	3234-11	2	Screw-HHF
16	107-0348	1	Switch-Key, 48v
17	104-7048	1	Cap-Housing
18	2412-133	2	R-Clamp
19	104-7050	1	Housing-Manual
20	94-5245	1	Switch-Key
21	104-8301	4	Nut-Flange, NI
22	32105-13	2	Screw-SHH
23	104-7135	1	Solenoid

Ref	Part No.	Qty.	Description
24	218-489	2	Holder-Fuse
25	104-7252	1	Mount-Solenoid
26	98-8876	2	Fuse-10 Amp
27	32149-7	2	Nut-Keps
28	322-11	2	Screw-HH
29	104-7075	1	Cover-Channel
30	104-7206	4	Screw HHF
31	323-42	2	Screw-HH
32	3256-24	2	Washer-Flat
33	99-7733	1	Bumper-Plastic
34	104-7076	1	LH Fender ASM
35	104-7077	1	RH Fender ASM
36	104-7120	1	Decal-Electric
38	99-7311	2	Mount-Headlight
39	104-7312	2	Headlight
40	32144-89	2	Screw-Forming, Thread
41	99-7312	2	Reflector
42	99-7339	1	Decal
43	107-0358	1	Horn
45	107-0287	1	Decal-Fuse



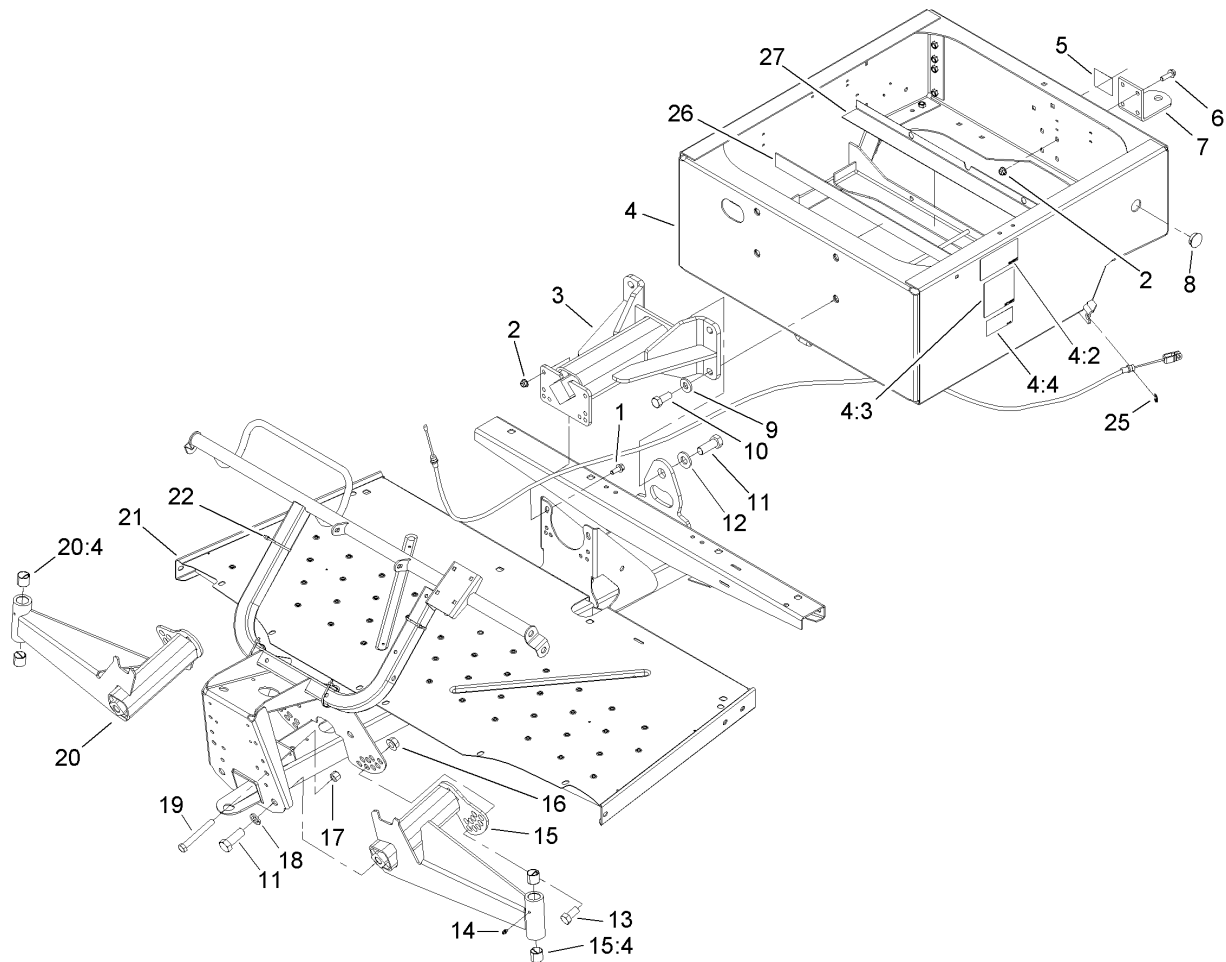
Solenoid Assembly No. 104-7135

Ref	Part No.	Qty.	Description
1	3217-6	2	Nut-Hex
2	3253-4	2	Washer-Lock
3	3219-14	2	Nut-Hex
4	3253-17	2	Washer-Lock / Sp



Pedal Assembly

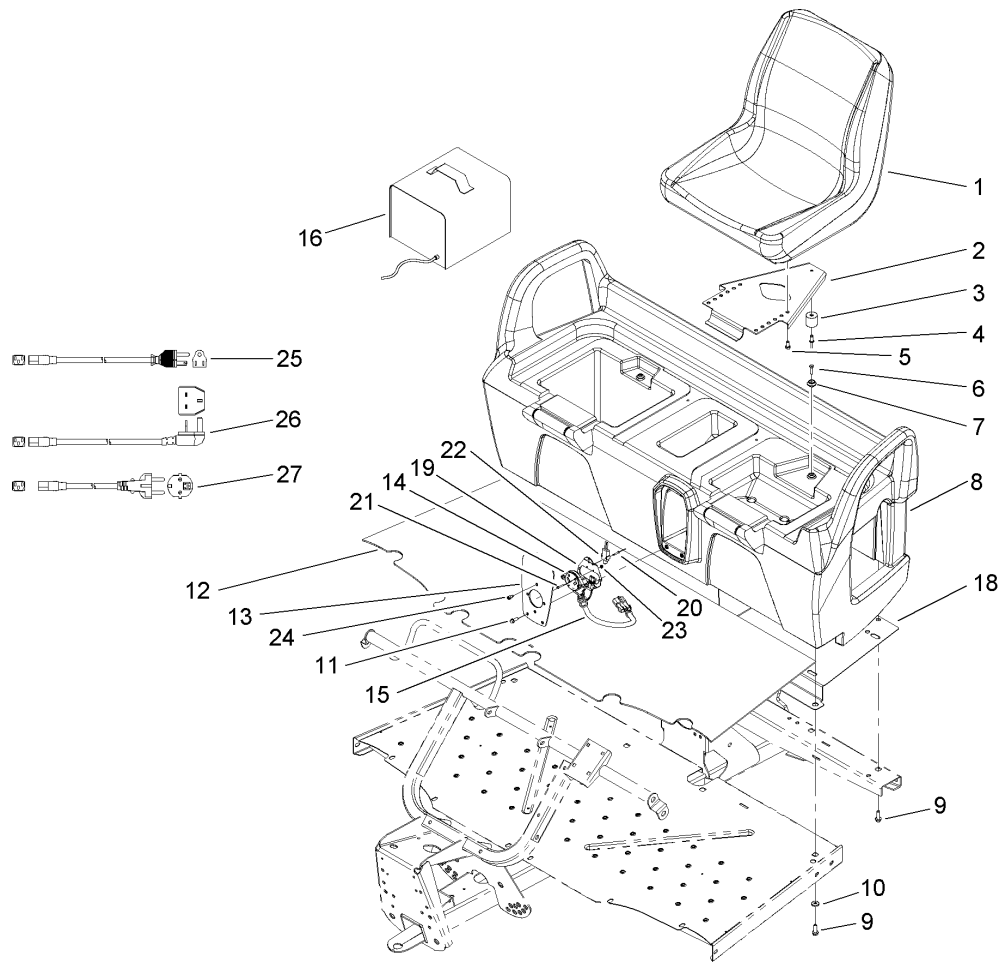
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	104-7160-03	1	Frame-Pedals	26	104-7164	2	Pivot-Pedals
2	104-8301	5	Nut-Flange, NI	27	3234-33	2	Screw-HHF
3	323-4	2	Screw-HH	28	321-7	2	Screw-HH
4	256-155	4	Bushing-Flange	29	32149-2	2	Nut-Keps
5	104-7165-03	1	Pedal-Throttle	30	104-7221	2	Screw-PPH
6	1-633131	1	Yoke-Linkage, Brake	31	32120-47	2	Ring-Retaining, External
7	104-7170-03	1	Pedal-Brake	32	1-633181	1	Plate-Tapped
9	104-6613	1	Pedal-Park	33	99-7407	1	Switch
10	92-6945	1	Spring-Extension	34	104-7365	1	Sensor-Position, Rotary
11	323-12	1	Screw-HH	35	107-0386	2	Rivet-Blind
12	104-6616	1	Rod-Park	36	32121-78	1	Pin-Roll
13	3272-4	4	Pin-Cotter	37	104-7301	1	Collar
14	52-2891	2	Bushing-Link, Steering	38	3245-32	2	Screw-HS
15	104-6624	1	Detent-Brake	39	323-11	2	Screw-HH
16	283-62	2	Pin-Clevis	41	3218-2	2	Nut-Jam
17	104-6599	1	Pivot-Brake	42	32141-36	1	Screw-Adjustment, Level
18	3272-10	4	Pin-Cotter				
19	283-2	1	Pin-Clevis				
20	104-6598	1	Pin-Pivot				
21	613386	1	Spring-Brake				
22	104-6597	1	Rod-Threaded				
23	104-6415	1	Spring-Return, Pedal				
24	104-6614	1	Pawl-Brake				
25	12-3270	2	Screw				



Frame Assembly

Ref	Part No.	Qty.	Description
1	3234-11	4	Screw-HHF
2	104-8301	8	Nut-Flange, NI
3	99-7700	1	Pivot Yoke ASM
4	104-7130	1	Rear Frame ASM
4:2	104-7207	2	Decal-Electric
4:3	107-0257	1	Decal-Polarity
4:4	104-7131	1	Decal-Capacity, Electric
5	99-7350	1	Decal-Information
6	3234-24	4	Screw-HHF
7	99-7654-03	1	Hitch-Duty, Light
8	94-1402	1	Plug-Hole
9	99-7667	4	Washer-Flat
10	327-4	4	Screw-HH
11	328-24	5	Screw-HH
12	87-3060	1	Washer-Hardened
13	3214-2	2	Screw-HH
14	302-5	2	Fitting-Grease
15	99-7685	1	LH A-Arm ASM
15:4	3-0348	2	Bushing
16	32128-54	2	Nut-HF
17	3296-23	2	Nut-Lock, NI
18	3254-7	4	Washer-Lock, Int
19	325-17	2	Screw-HH
20	99-7684	1	RH A-Arm ASM

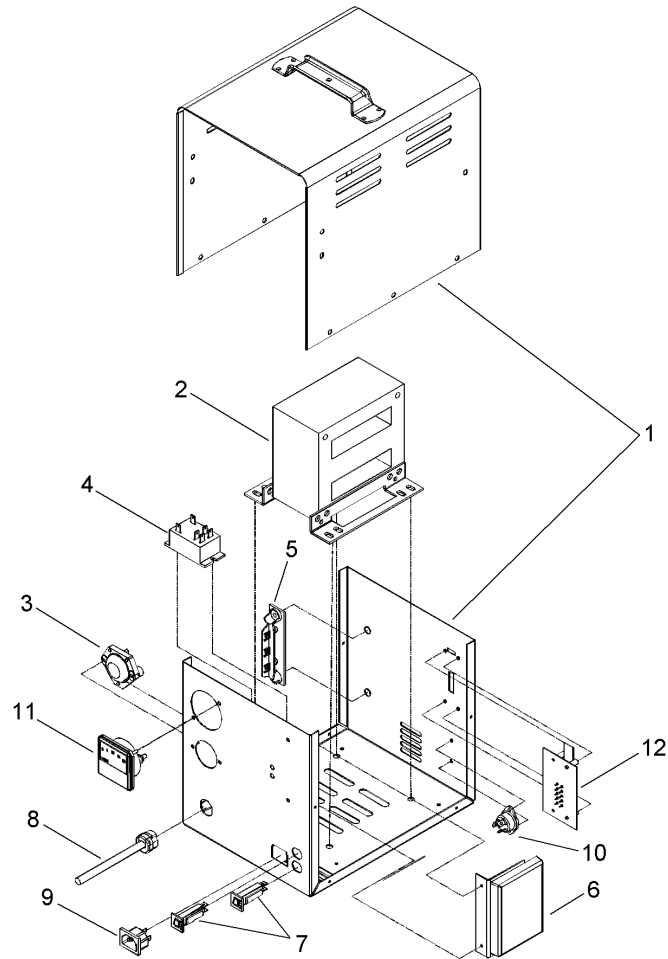
Ref	Part No.	Qty.	Description
20:4	3-0348	2	Bushing
21	104-7197-03	1	Front Frame ASM
22	3290-379	11	Tie-Cable
25	32120-47	2	Ring-Retaining, External
26	107-0252	1	Pad-Battery
27	107-0267	4	Isolator-Battery



Seat Base Assembly

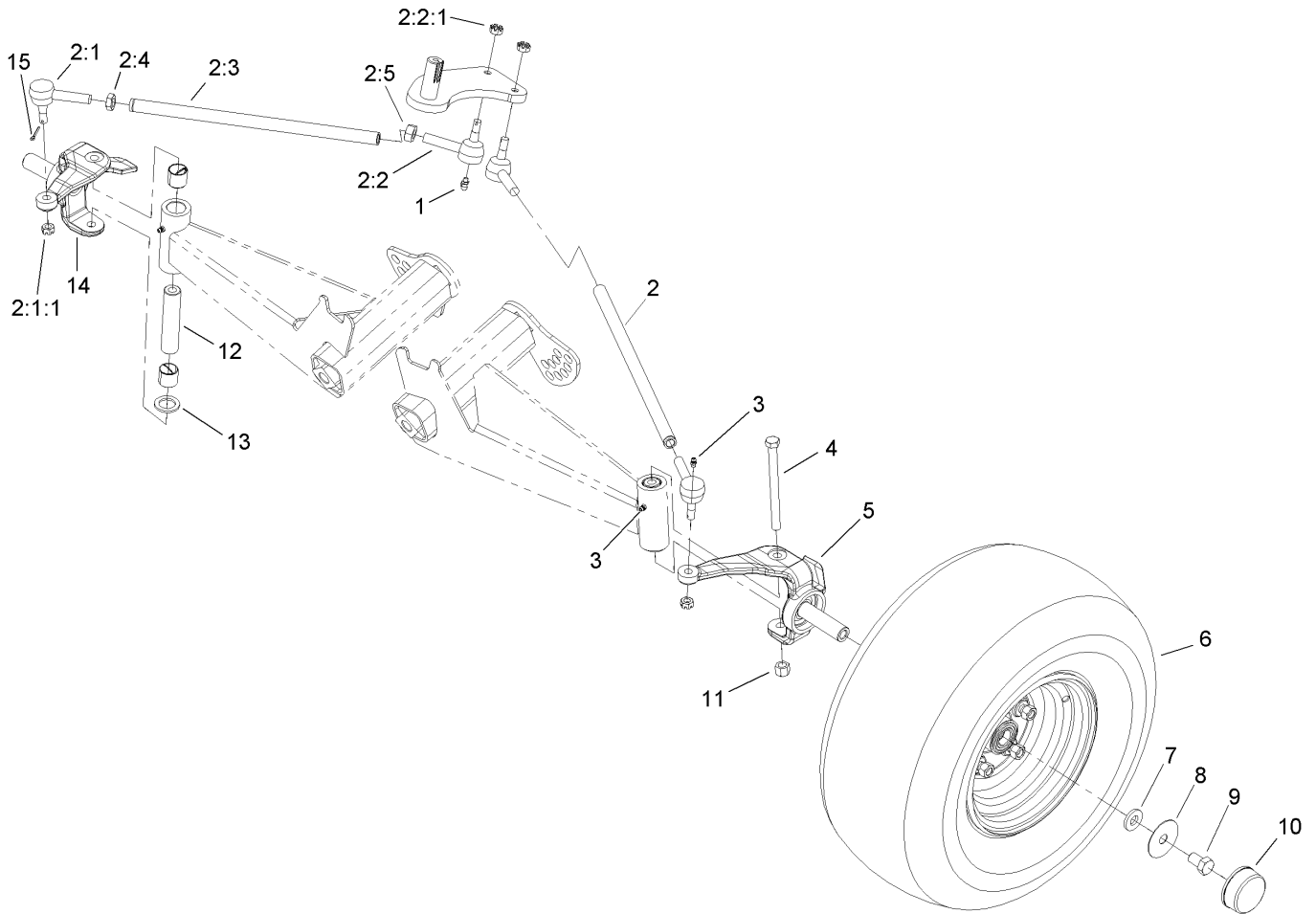
Ref	Part No.	Qty.	Description
1	106-6672	2	Seat
2	99-7829	2	Bracket-Seat
3	99-7830	2	Rubber Receptical ASM
4	3290-412	2	Rivet
5	33114-016	8	Screw-HH
6	32108-5	2	Screw-FH
7	99-7833	2	Post-Holding
8	104-6401	1	Seat Base ASM
9	3234-17	8	Screw-HHF
10	88-7200	4	Washer-Flat
11	32105-15	4	Screw
12	104-6590	1	Mat-Floor
13	107-0370	1	Plate-Receptacle
14	107-0288	1	Receptacle-Charger
15	107-0746	1	Harness-Wire, Charger
16	107-0364	1	Charger-48v, Offboard
18	107-0359-03	1	Tray-Seatbase
19	107-0716	1	Bracket-Mount, Socket
20	107-0333	2	Rivet-Pop
21	107-0334	2	Screw-HSH
22	99-3410	1	Switch
23	3296-9	2	Nut-Lock
24	32104-17	4	Screw-HWH
25	107-0384	1	Powercord-Ac, Canada

Ref	Part No.	Qty.	Description
26	107-0383	1	Powercord-Ac, U.k.
27	107-0382	1	Powercord-Ac, Europe



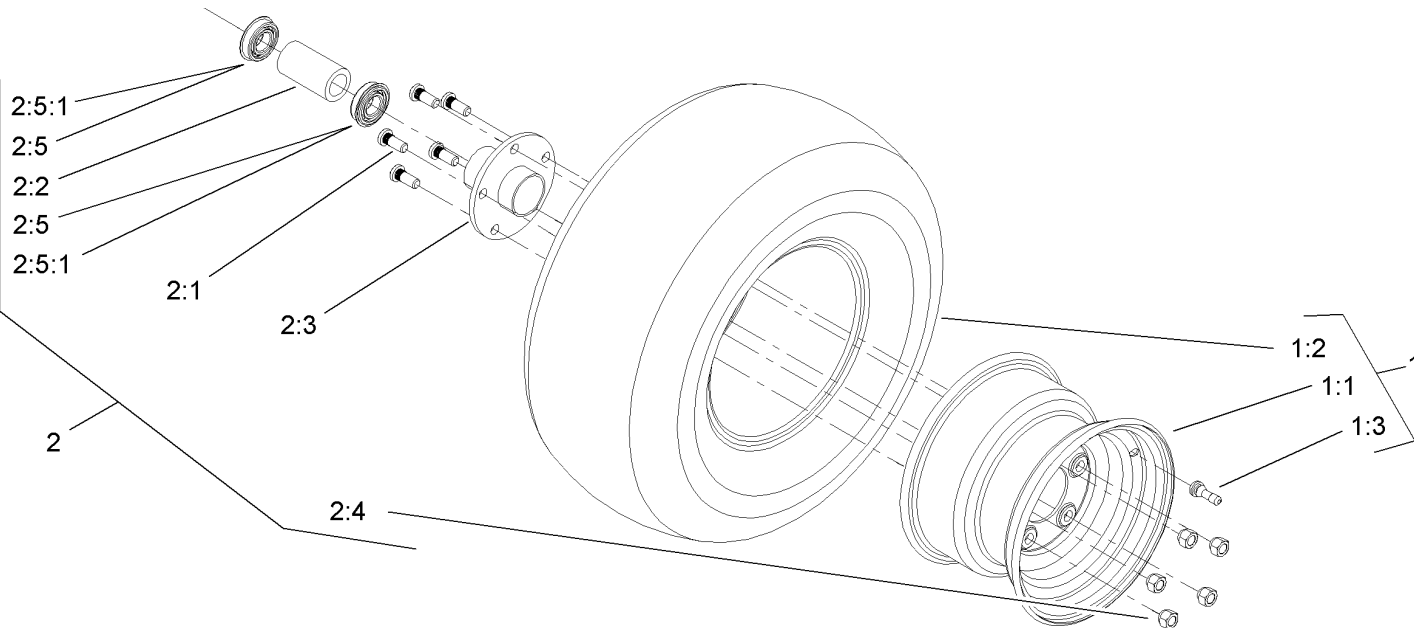
Offboard 48 Volt Charger Assembly No. 107-0364

Ref	Part No.	Qty.	Description				
1		1	Case ASM				
2		1	Transformer ASM				
3	108-1161	1	Fuse ASM				
4	108-1170	1	Relay, 48v Dc				
5	108-1163	1	Diode ASM				
6	108-1171	1	Control Board ASM				
7	108-1172	1	Breaker-Circuit				
8	108-1173	1	Kit-Cordset				
9	108-1174	1	Connector-Inlet				
10	108-1168	1	Scr W/terminals				
11	108-1175	1	Ammeter				
12	108-1176	1	Switch ASM				



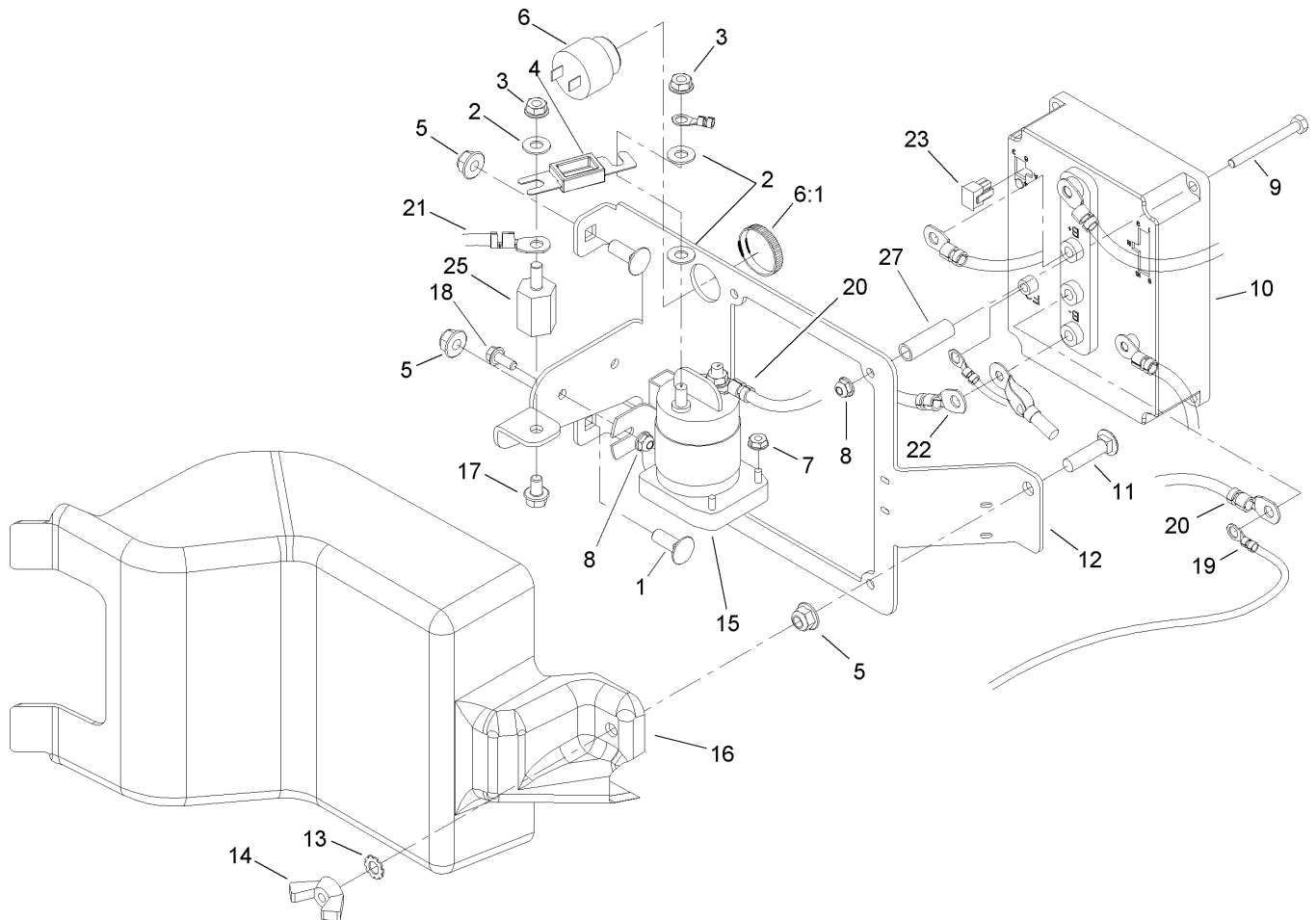
Front Tire and Steering Assembly

Ref	Part No.	Qty.	Description				
1	302-60	2	Fitting-Grease				
2		2	Tie Rod ASM				
2:1	112772	1	Joint-Ball, RH				
2:1:1	915031	1	Nut				
2:2	112771	1	Joint-Ball, LH				
2:2:1	915031	1	Nut				
2:3	99-7600-03	1	Rod-Tie				
2:4	3220-11	1	Nut-Jam				
2:5	3218-21	1	Nut-Jam				
3	302-5	2	Fitting-Grease				
4	325-20	2	Screw-HH				
5	99-7486-03	1	Spindle-LH				
6		2	Tire, Wheel And Hub ASM				
7	99-7667	2	Washer-Flat				
8	99-7719	2	Washer				
9	327-2	2	Screw-HH				
10	94-7871	2	Cap-Dust				
11	3296-23	2	Nut-Lock, NI				
12	99-7499	2	Sleeve-Kingpin				
13	256-115	2	Washer-Thrust				
14	99-7487-03	1	Spindle-RH				
15	3272-7	4	Pin-Cotter				



Tire, Wheel and Hub Assembly

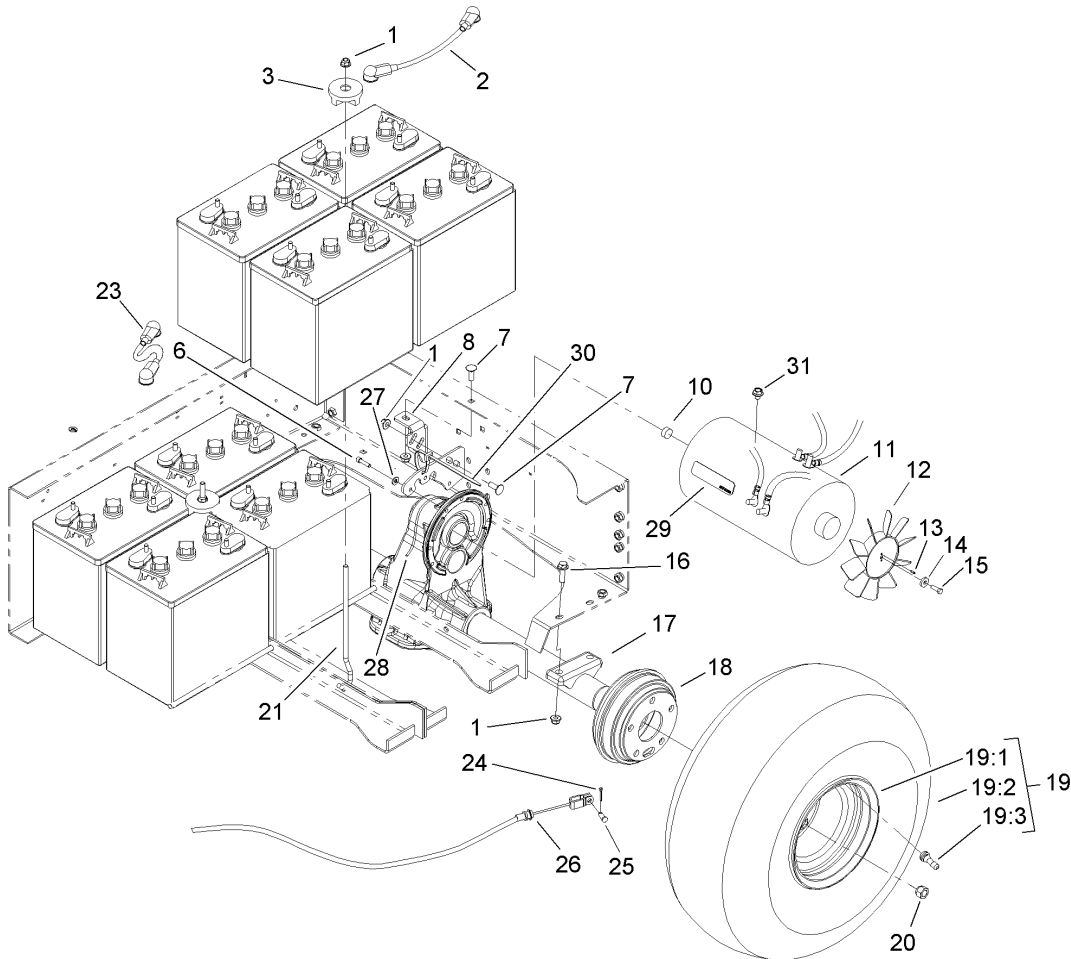
Ref	Part No.	Qty.	Description				
1	104-7290	1	Tire/wheel ASM				
1:1	104-7288	1	Wheel				
1:2	104-7289	1	Tire				
1:3	232-27	1	Stem-Valve				
2	104-7287	1	Hub And Flange ASM				
2:1	104-7283	5	Stud				
2:2	104-7284	1	Spacer				
2:3	104-7286	1	Hub And Flange				
2:4	242-50	5	Nut-Lug				
2:5	94-7538	2	Bearing				
2:5:1	94-2053	1	Ring-Snap				



Controller Assembly

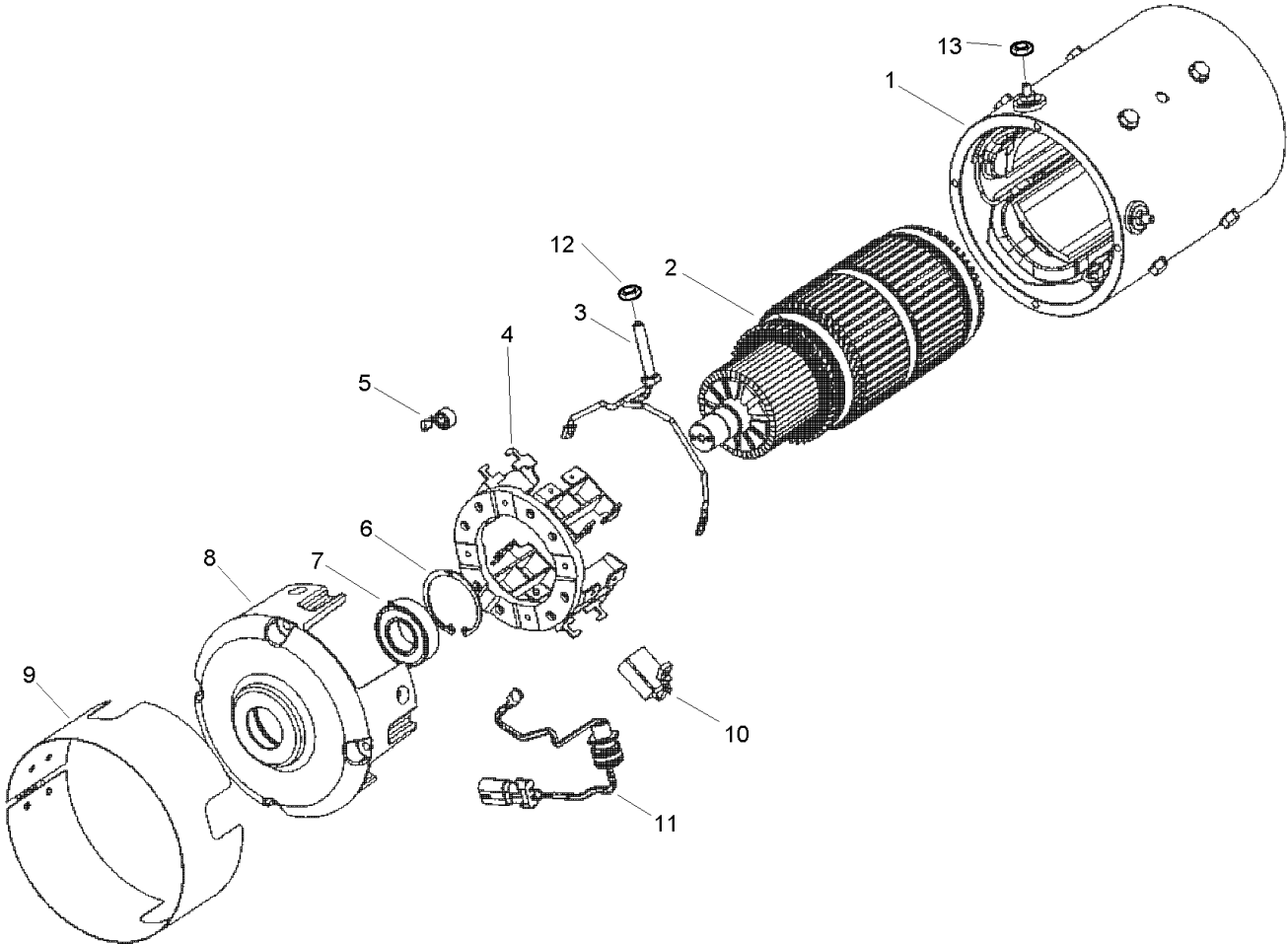
Ref	Part No.	Qty.	Description
1	3231-22	2	Screw-CARR
2	107-0394	3	Washer-Flat
3	107-0380	3	Nut-HHF
4	104-7320	1	Fuse
5	104-8301	3	Nut-Flange, NI
6	94-5582	1	Alarm-Audio
6:1	104-5107	1	Nut-Plastic, Knurled
7	32149-8	2	Nut-Keps
8	104-7201	6	Nut-HF
9	321-15	4	Screw-HH
10	104-7337	1	Controller
11	3231-4	1	Screw-CARR
12	104-7137-03	1	Mount-Controler
13	3255-9	1	Washer-Lock, Ext
14	32103-3	1	Nut-Wing
15	104-7136	1	Contactora-48v
16	104-7138	1	Cover-Controller
17	100-1719	1	Screw-Flange
18	3234-33	2	Screw-HHF
19	107-0730	1	Harness-Wire, Electric Mid Duty
20	107-0740	1	Cable-Battery, Positive
21	107-0741	1	Cable-Battery, Positive
22	107-0742	1	Cable-Battery, Negative
23	32160-130	1	Connector

Ref	Part No.	Qty.	Description
24	107-0737	1	Harness-Wire, Battery Cable
25	107-0286	1	Isolator
27	107-0285	4	Spacer
28	3290-379	2	Tie-Cable



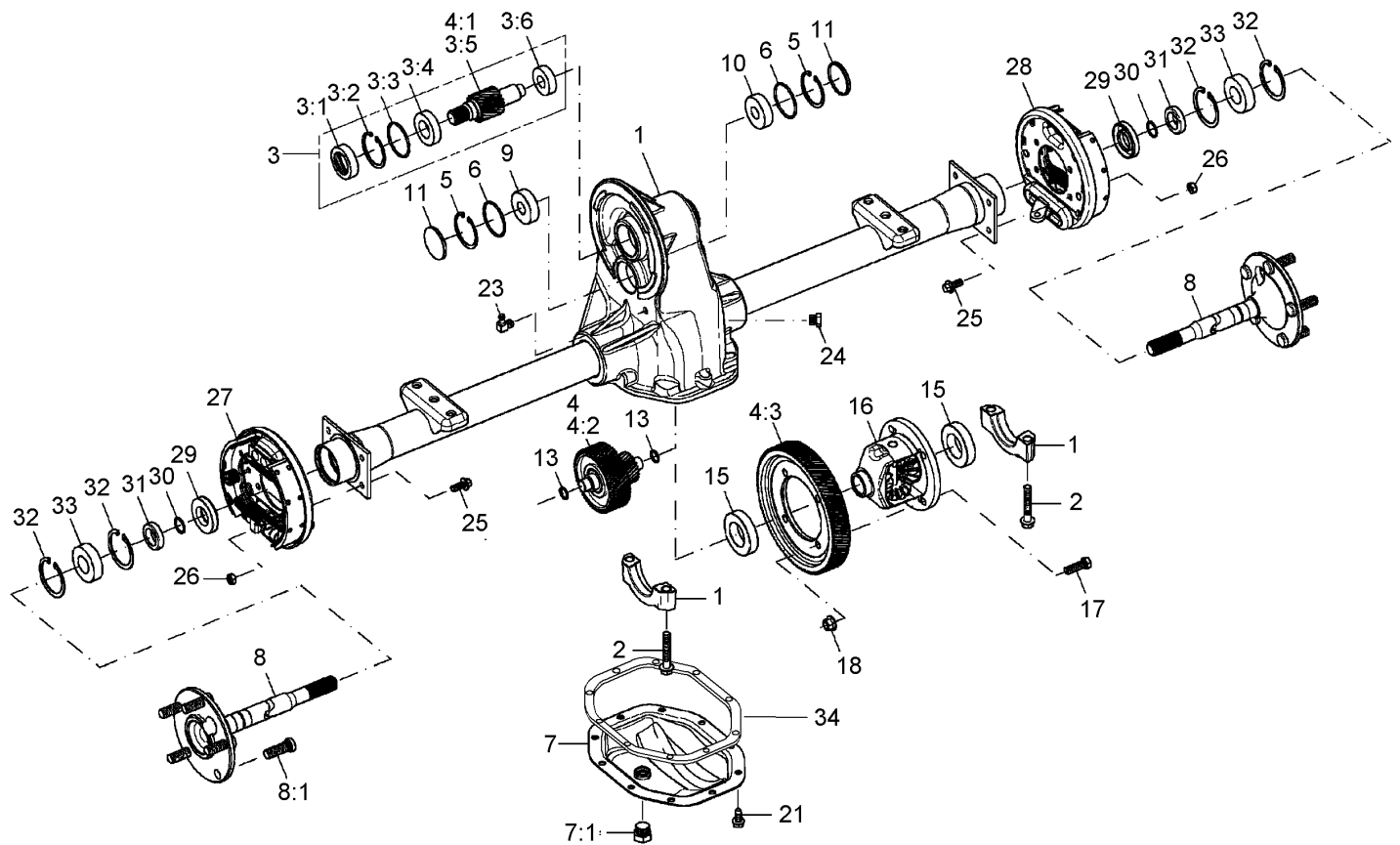
Battery and Transaxle Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	104-8301	11	Nut-Flange, NI	26	104-7324	2	Cable-Brake
2	107-0739	1	Cable-Battery, Positive	27	3256-22	6	Washer-Flat
3	104-7149	2	Hold Down Assembly	28	5-4542	1	Line-Gas
6	3274-26	6	Screw-HSH	29	107-0356	1	Decal-Motor
7	3231-22	5	Screw-CARR	30	3290-379	12	Tie-Cable
8	104-7249-03	1	Bracket-Support	31	107-0376	1	Screw-HSFH
10	104-7243	1	Damper-Rubber				
11	104-7335	1	Motor-Electric				
12	107-0259	1	Fan-10 Blade, Clockwise				
13	32121-68	2	Pin-Roll				
14	73-3580	1	Washer				
15	3274-8	1	Screw-HSH				
16	3234-24	4	Screw-HHF				
17	104-7378	1	Transaxle-Electric				
18	104-6500	2	Drum-Brake				
19	104-7290	2	Tire/wheel ASM				
19:1	104-7288	1	Wheel				
19:2	104-7289	1	Tire				
19:3	232-27	1	Stem-Valve				
20	242-50	10	Nut-Lug				
21	104-7339	2	Rod-Battery				
23	107-0738	6	Cable-Battery, Positive				
24	3272-10	2	Pin-Cotter				
25	283-62	2	Pin-Clevis				



Electric Motor Assembly No. 104-7335

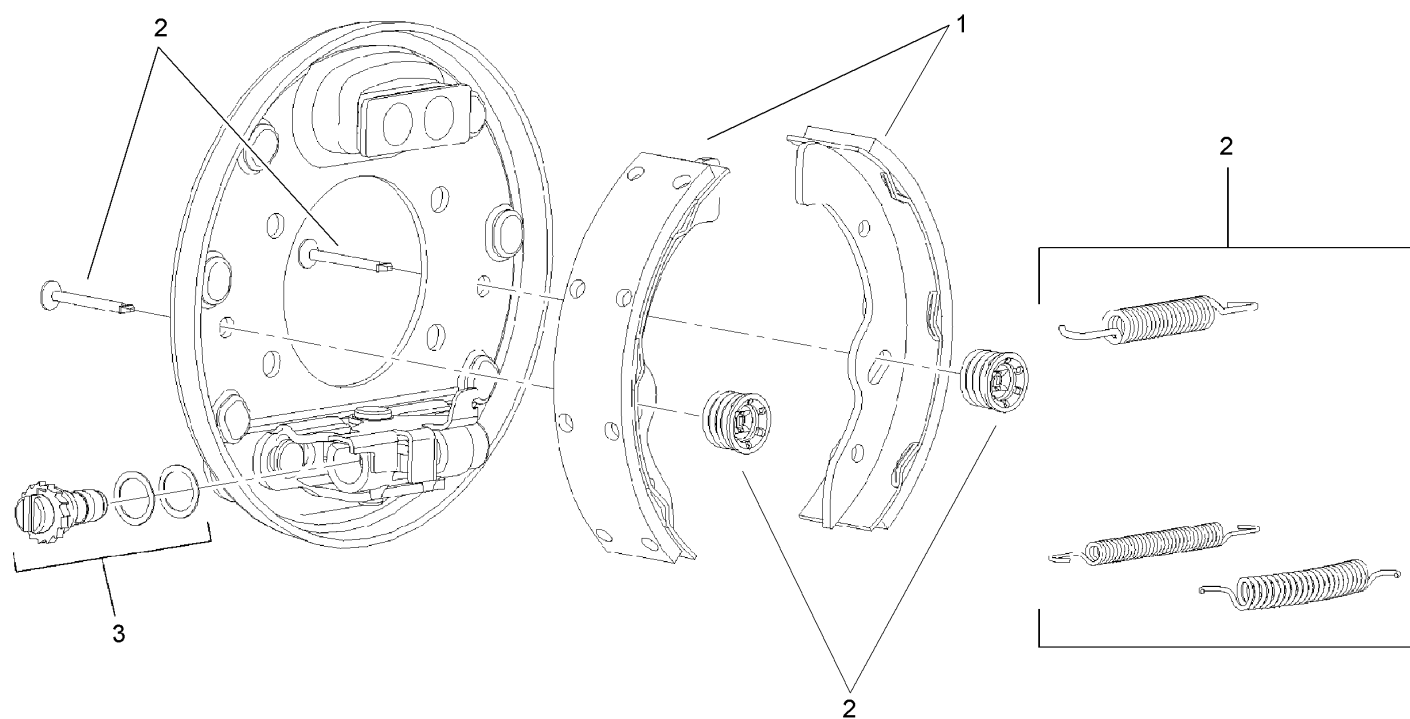
Ref	Part No.	Qty.	Description				
1			1 Frame And Field ASM				
2			1 Armature ASM				
3	108-1151		2 Brush Lead ASM				
4	108-1152		1 Brush Box ASM				
5	108-1153		8 Spring-Brush				
6	108-1154		1 Ring-Retaining				
7	108-1155		1 Bearing				
8	108-1156		1 Head-Commutator				
9	108-1157		1 Headband ASM				
10	108-1158		8 Brush				
11	108-1159		1 Thermal Sensor ASM				
12	3218-13		2 Nut-Jam, Brass				
13	3218-14		2 Nut-Jam, Brass				



Axle Assembly No 104-7378

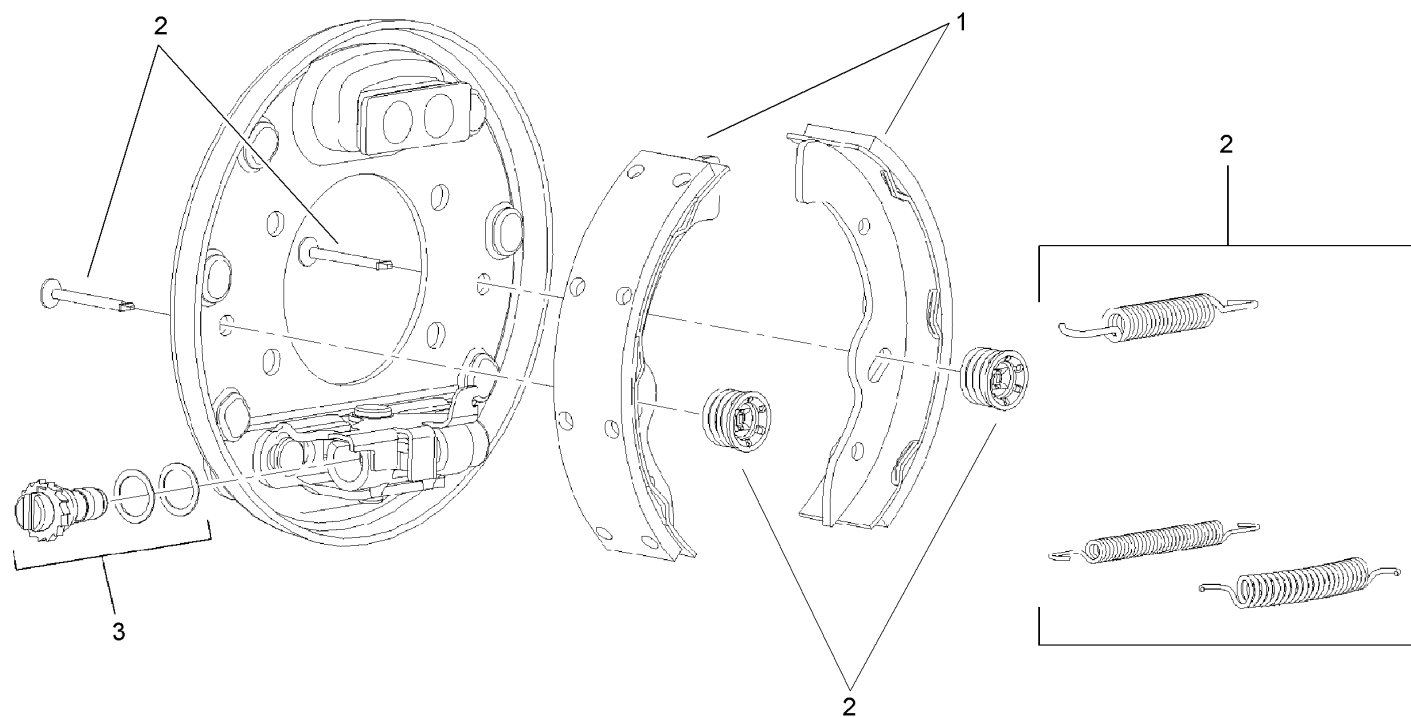
Ref	Part No.	Qty.	Description
1		1	Housing ASM
2	108-2401	4	Bolt-Cap, Bearing
3	108-2402	1	Input Shaft Kit
3:1	108-2403	1	Seal-Oil
3:2	108-2404	1	Ring-Retaining
3:3	108-2405	1	O-Ring
3:4		1	Bearing-Ball
3:5		1	Shaft-Input
3:6		1	Bearing-Ball
4	108-2409	1	Internal Gear Kit
4:1		1	Shaft-Input
4:2		1	Gear-Intermediate
4:3		1	Gear-Drive, Final
5	108-2404	2	Ring-Retaining
6	108-2405	2	O-Ring
7	108-2416	1	Cover Kit
7:1	108-2415	1	Plug-HH
8	108-2426	1	Axle Shaft Kit
8:1	106-9205	5	Stud-Wheel
9	108-2406	1	Bearing-Ball
10	108-2407	1	Bearing-Ball
11	108-2408	2	Plug-Cap, End
13	108-2410	2	O-Ring
15	108-2411	2	Bearing-Ball

Ref	Part No.	Qty.	Description
16	108-2412	1	Differential ASM
17	108-2413	4	Screw-Hex
18	108-2414	4	Nut-Lock
21	108-2427	10	Screw-Tapping
23	108-2428	1	Elbow-90 Degree
24	108-2429	1	Plug-HH
25	108-2417	8	Screw-Head, Flange
26	108-2418	8	Nut-Lock
27	108-2419	1	LH Brake ASM
28	108-2420	1	RH Brake ASM
29	108-2421	2	Seal-Oil
30	108-2422	2	Ring-Retaining
31	108-2423	2	Ring-Retaining, Wheel Bearing
32	108-2424	4	Ring-Retaining
33	108-2425	2	Bearing-Ball
34	108-3148	1	Gasket



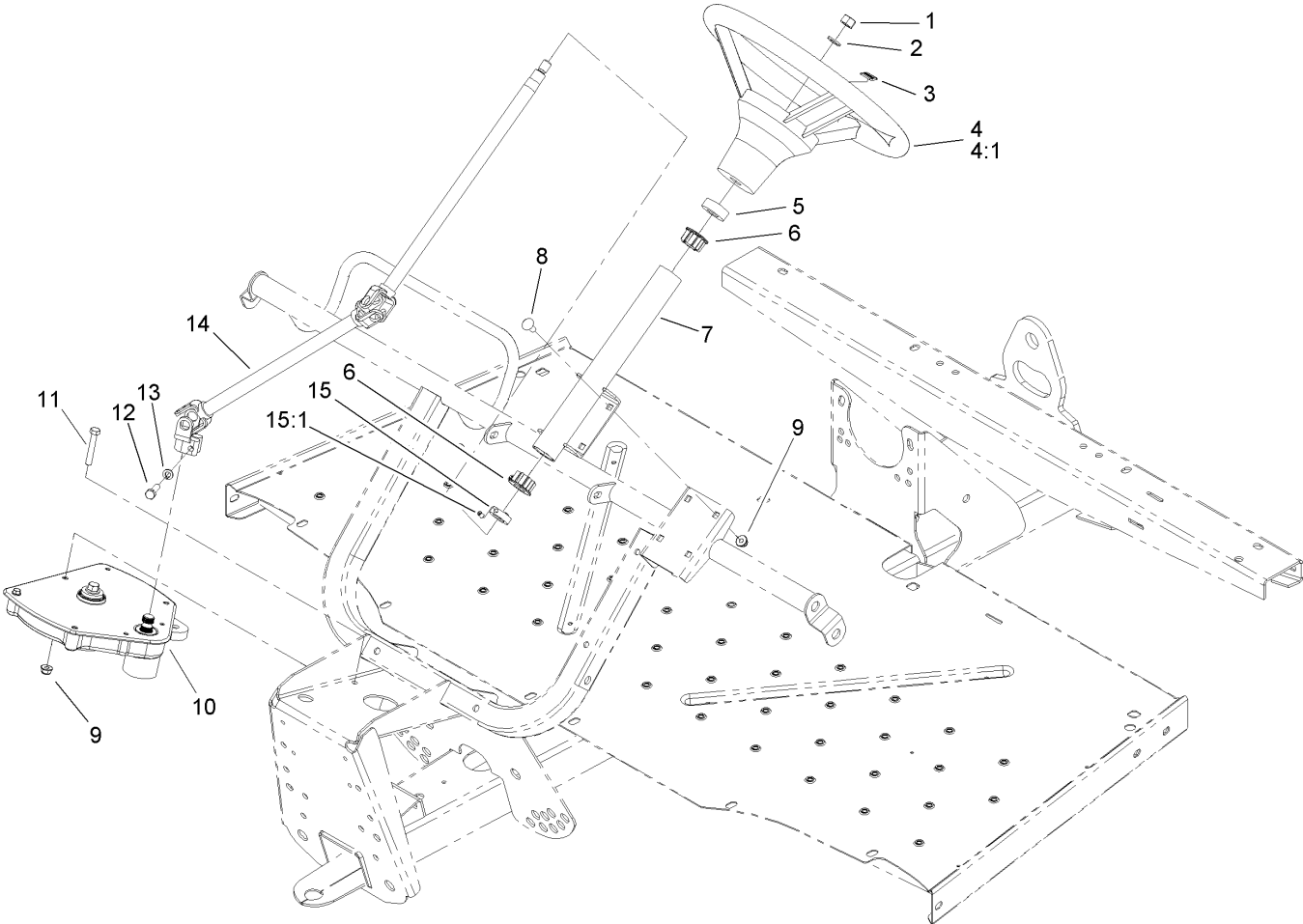
Left Hand Brake Assembly No. 108-2419

Ref	Part No.	Qty.	Description
1	108-6995	1	Shoe And Lining Kit (Set Of 4)
2	104-1244	1	Springs
3	104-1245	1	LH Adjuster Kit



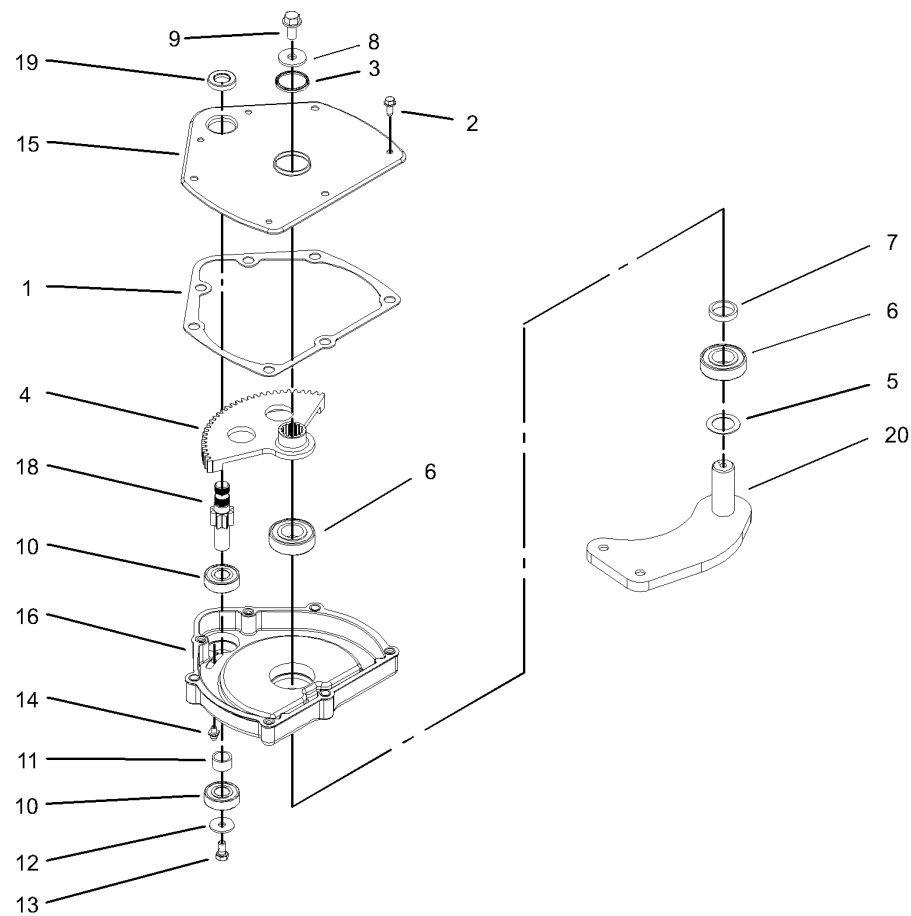
Right Hand Brake Assembly No. 108-2420

Ref	Part No.	Qty.	Description
1	108-6995	1	Shoe And Lining Kit (Set Of 4)
2	104-1244	1	Springs
3	104-1246	1	RH Adjuster Kit



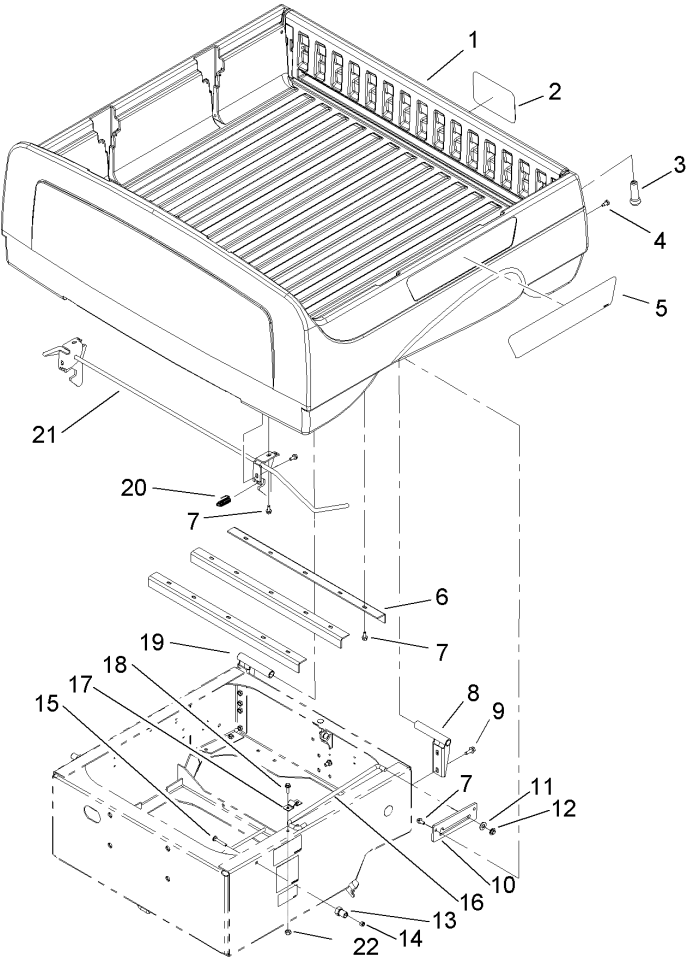
Steering Assembly

Ref	Part No.	Qty.	Description				
1	3277-1	1	Nut-Hex				
2	48-8070	1	Washer-Lock				
3	98-1459	1	Decal				
4	98-1471	1	Wheel-Steering				
4:1	98-1468	1	Cover-Wheel, Steering				
5	21-9260	1	Cover-Dust				
6	93-1146	2	Bushing-Upper, Steering				
7	99-7651-03	1	Column-Steering				
8	3230-1	4	Bolt-CARR				
9	104-8300	7	Nut-Flange, NI				
10	99-7660	1	Steering Gearbox ASM				
11	322-10	3	Screw-HH				
12	48-7730	1	Screw-HH				
13	3253-4	1	Washer-Lock				
14	99-7653	1	Shaft-Steering				
15	111383	1	Collar				
15:1	3245-32	1	Screw-HS				



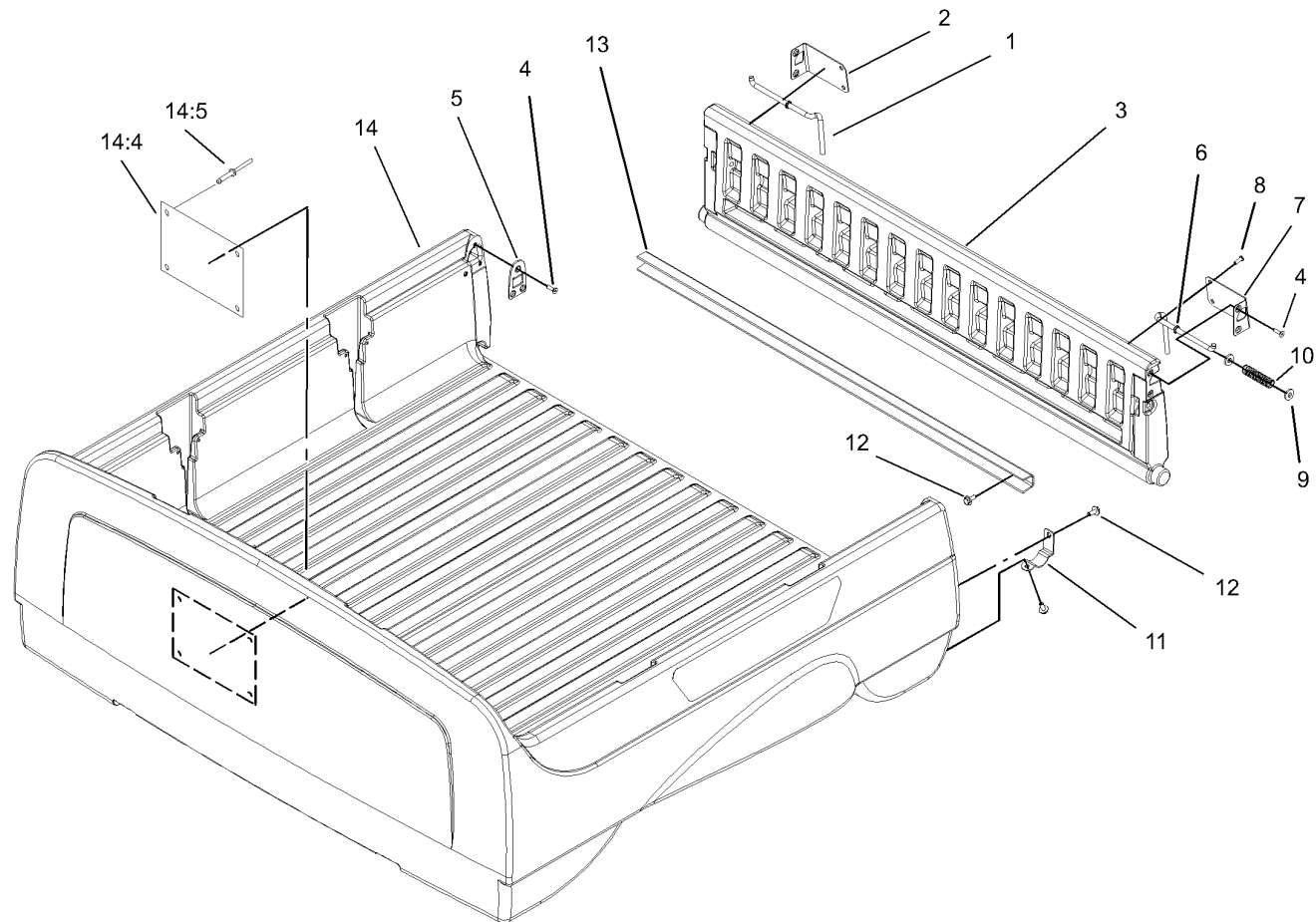
Steering Gearbox Assembly No. 99-7660

Ref	Part No.	Qty.	Description				
1	94-2135	1	Gasket				
2	32144-10	4	Screw-HWH				
3	103118	1	Seal				
4	99-7843	1	Sector-Gear				
5	3256-42	1	Washer-Flat				
6	251-82	2	Bearing-Ball				
7	94-2218	1	Spacer-Shaft, Output				
8	104-6563	1	Washer-Stepped				
9	104-7156	1	Screw-HHF				
10	38-7820	2	Bearing-Ball				
11	94-2217	1	Spacer-Shaft, Input				
12	1-613235	1	Washer				
13	98-3498	1	Screw-HH				
14	302-5	1	Fitting-Grease				
15	99-7656-03	1	Cover-Housing, Steering				
16	99-7658	1	Housing-Steering				
18	99-7650	1	Gear-Pinion				
19	99-7657	1	Seal-Oil				
20	99-7601-03	1	Arm-Pitman				



Box and Tailgate Installation Assembly

Ref	Part No.	Qty.	Description				
1		1	Box And Tailgate ASM				
2	104-7213	1	Decal				
3	99-7984	2	Knob-Soft Grip, Push-On				
4	87-8460	2	Bumper-Rubber				
5	104-7265	2	Decal				
6	99-7864-03	3	Brace-Box				
7	3234-5	18	Screw				
8	99-7308-03	1	LH Pivot Bracket ASM				
9	3234-11	4	Screw-HHF				
10	99-7894	1	Bracket-Rod, Prop				
11	3256-26	1	Washer-Flat				
12	32112-14	1	Nut-Push				
13	104-7248	2	Pin-Latch				
14	3296-29	2	Nut-Lock, NI				
15	3230-7	2	Screw-CARR				
16	99-7895	1	Rod-Prop				
17	99-7896	1	Bracket-U, Prop Rod				
18	3234-17	2	Screw-HHF				
19	99-7309-03	1	RH Pivot Bracket ASM				
20	5-7290	2	Spring-Tension				
21	104-7244	1	Rod-Latch				
22	104-8300	2	Nut-Flange, NI				



Box and Tailgate Assembly

Ref	Part No.	Qty.	Description				
1	99-7860	1	Rod-Latch, Right				
2	99-7858	1	Bracket-Tailgate Latch, Right				
3	99-7893	1	Tailgate ASM				
4	99-7334	10	Screw				
5	99-7852	2	Plate-Striker				
6	99-7859	1	Rod-Latch, Left				
7	99-7857	1	Bracket-Tailgate Latch, Left				
8	99-7335	4	Screw				
9	99-7861	4	Washer-Latch				
10	61-8880	2	Spring				
11	99-7286	2	Bracket-Pivot, Tailgate				
12	3234-5	10	Screw				
13	99-7867	1	Channel-Tailgate				
14	104-7203	1	Box ASM				
14:4	99-7954	1	Decal-No Riders				
14:5	3290-415	4	Rivet				

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