



Count on it.

Form No. 3467-364 Rev A

Parts Catalog

Vista™

8 Passenger EFI Shuttle Vehicle

Model No. 08918—Serial No. 415400000 and Up



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 illustration and in parts 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.

Contents

Frame Assembly 4

Front Suspension Assembly 6

Steering Assembly 8

Rear Suspension Assembly 10

Brake and Throttle Pedal Assembly 12

Front and Rear Brake Assembly 14

Master Cylinder Assembly No. 104-6782 16

Brake Caliper Assembly No. 161-1890 17

Hood, Front Fenders and Dash Assembly 18

Main Seat and Rear Fenders Assembly 20

Passenger Seat Assembly 22

Rear Facing Seat Assembly 24

Engine and Transaxle Assembly 26

Primary Clutch Assembly No. 147-4088 28

Transaxle Assembly No. 140-9807 30

Secondary Clutch Assembly No. 119-6011 32

Starter Generator Assembly No. 131-8444 33

Battery Assembly 34

Electrical Assembly 36

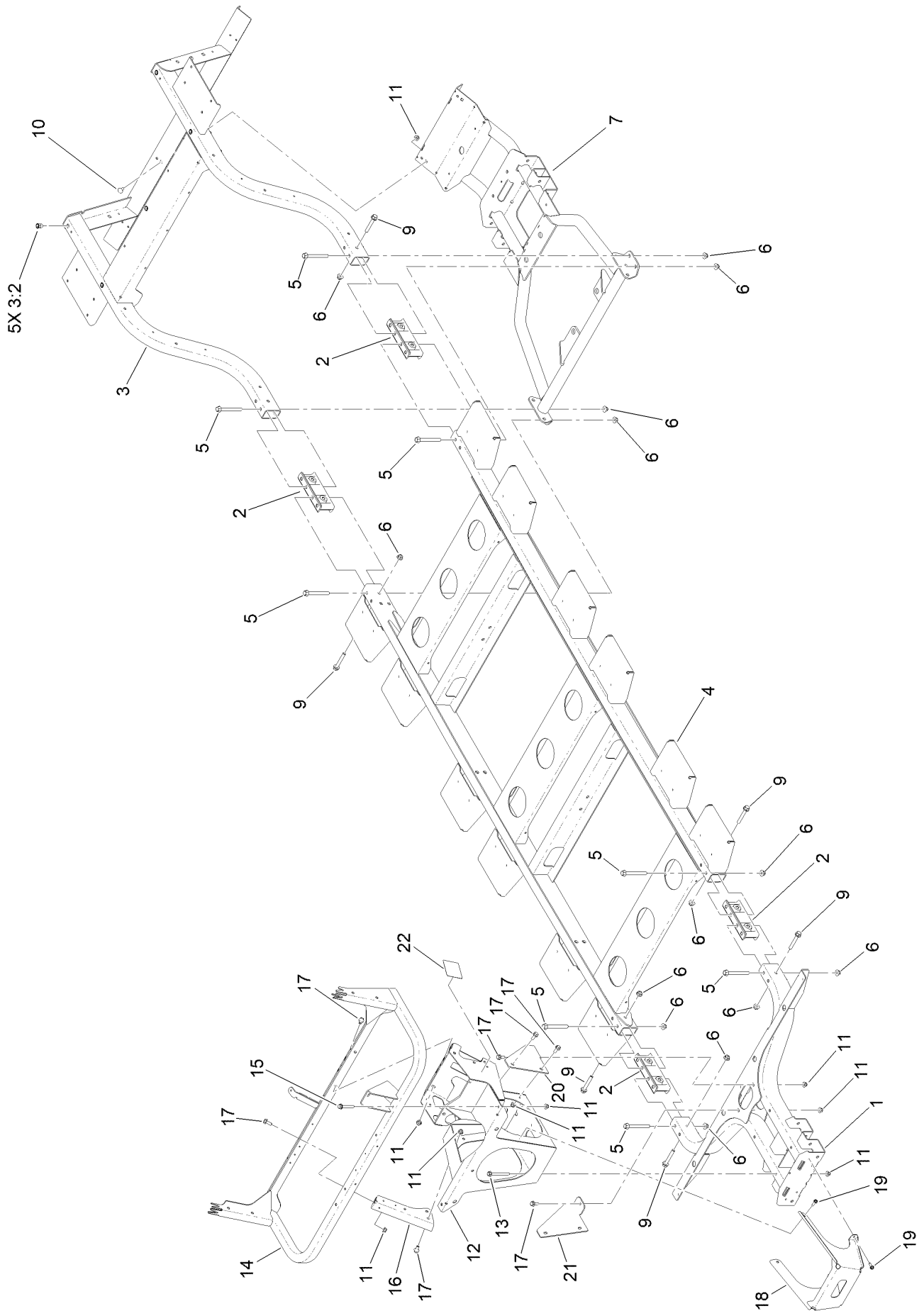
Wire Harness Assembly No. 122-2217 38

Fuel System Assembly 40

Fuel Tank Assembly No. 144-5395 42

Attachments and Accessories 44

Frame Assembly



Frame Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	140-0797	1	Front Frame ASM	12	140-0777-03	1	Shock Tower ASM
2	144-5479	4	Connector-Frame	13	126-4687	4	Screw-HHF
3	144-5465	1	Rear Frame ASM	14	140-9712-03	1	Canopy Support ASM
3:2	138-2899	5	Nut-Clinch	15	140-9909	2	Screw-HHF
4	144-5365	1	Curved Frame ASM	16	161-2017-03	1	Support-Canopy
5	139-3370	16	Screw-HF	17	3234-47	11	Screw-HHF
6	139-3380	24	Nut-HF	18	140-0940-03	1	Bracket-Support, Bumper
7	140-9775	1	Subframe ASM	19	49-2040	4	Screw-HWHTF
9	144-5559	8	Screw-HHF	20	145-7152-03	1	Gusset-Frame, LH
10	3230-1	2	Bolt-CARR	21	145-7153-03	1	Gusset-Frame, RH
11	104-8300	19	Nut-HF, NI	22	144-5579	1	Decal - Vista EFI Service

This technical drawing is an exploded view of a vehicle chassis and suspension system. It shows the following components and their assembly relationships:

- Chassis and Frame (1):** The main structural base, including a front cross-member (14) and a rear cross-member (15).
- Front Suspension (2):** Includes a steering knuckle (21), a lower control arm (24), a shock absorber (22), and a coil spring (23). It also shows a steering rack (25) and a tie rod end (26).
- Rear Suspension (3):** Includes a rear cross-member (15), a rear shock absorber (17), a rear coil spring (18), and a rear lower control arm (19).
- Wheels and Tires (12):** Two wheels are shown, each with a tire (12) and a hub assembly (13).
- Drivetrain (4):** Includes a transmission (41), a driveshaft (42), and a rear axle (43).
- Braking System (5):** Includes a front brake caliper (51), a front brake disc (52), a rear brake caliper (53), and a rear brake disc (54).
- Steering System (6):** Includes a steering wheel (61), a steering column (62), and a steering knuckle (63).
- Other Components:** Various bolts, nuts, and washers are labeled with numbers like 1.1, 1.2, 2.1, 2.2, etc.

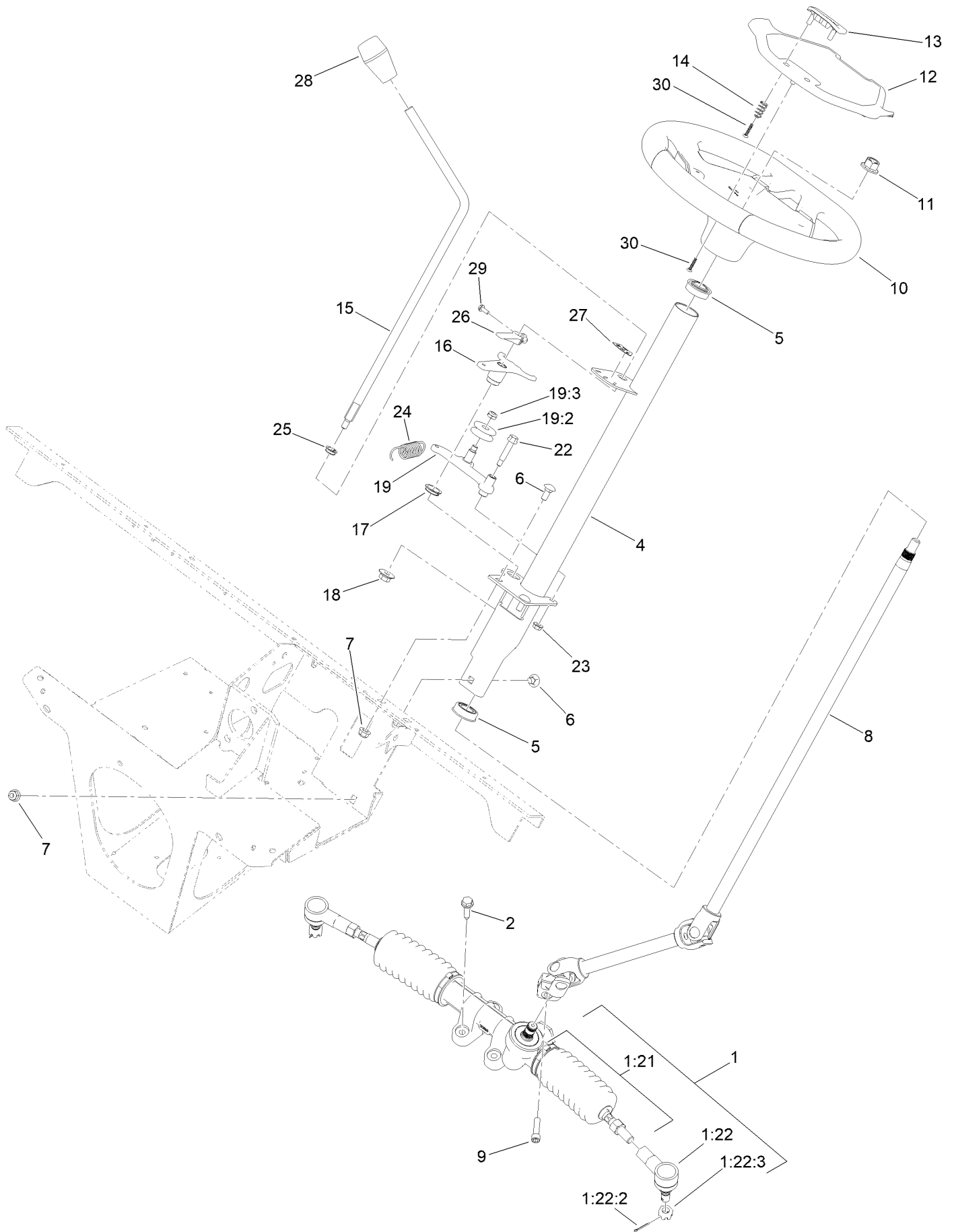
The diagram uses a combination of perspective and orthographic views to show the spatial arrangement and assembly sequence of the parts. The exploded view allows for a clear understanding of how the various sub-assemblies fit together to form the complete vehicle chassis.

Front Suspension Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	145-7338	2	Strut ASM	3:6	93-0309	1	Washer-Tab
1:1	145-7158	1	Spring-Coil	3:7	3220-7	1	Nut-Jam
1:2	131-8574	1	Isolator-Shock	3:8	93-0307	1	Nut-Lock, Retainer
2		1	LH Spindle ASM ●	3:9	3272-12	1	Pin-Cotter
2:1	144-5468	1	Spindle ASM LH	3:10	241-119	1	Cap-Dust
2:1:2	140-4615	2	Bushing-Flange	3:11	139-4474	1	Rotor-Brake
2:4	144-5470	1	Front Hub ASM	3:12	121-9671	4	Screw-HSBH
2:4:2	10-6830	4	Stud-Type, Drive	12	140-9801	2	Tire ASM
2:4:3	254-72	2	Bearing-Cup, Tapered	12:1	131-8317	1	Wheel
2:4:4	254-94	2	Bearing-Cone, Tapered	12:2	232-27	1	Stem-Valve
2:5	112-1690	1	Seal-Oil	12:3	140-9794	1	Tire
2:6	93-0309	1	Washer-Tab	13	242-50	8	Nut-Lug
2:7	3220-7	1	Nut-Jam	14	161-1819	2	Control Arm ASM
2:8	93-0307	1	Nut-Lock, Retainer	14:3	147-3983	2	Bushing-Flange
2:9	3272-12	1	Pin-Cotter	15	144-5634	2	Sleeve-Outer
2:10	241-119	1	Cap-Dust	16	131-8582	2	Sleeve-Kingpin
2:11	139-4474	1	Rotor-Brake	17	139-3350	2	Screw-HF
2:12	121-9671	4	Screw-HSBH	18	139-3370	2	Screw-HF
3		1	RH Spindle ASM ●	19	140-9853	4	Screw-HF
3:1	144-5469	1	Spindle ASM RH	20	139-3380	8	Nut-HF
3:1:2	140-4615	2	Bushing-Flange	21	3234-46	2	Screw-HHF
3:4	144-5470	1	Front Hub ASM	22	99-5107	2	Nut-Lock
3:4:2	10-6830	4	Stud-Type, Drive	23	140-0933	2	Wheel Cover ASM
3:4:3	254-72	2	Bearing-Cup, Tapered	23:2	140-0932	3	Clip-Cover, Wheel
3:4:4	254-94	2	Bearing-Cone, Tapered	24	140-9793	4	Pin Seal
3:5	112-1690	1	Seal-Oil				

● Not serviced separately

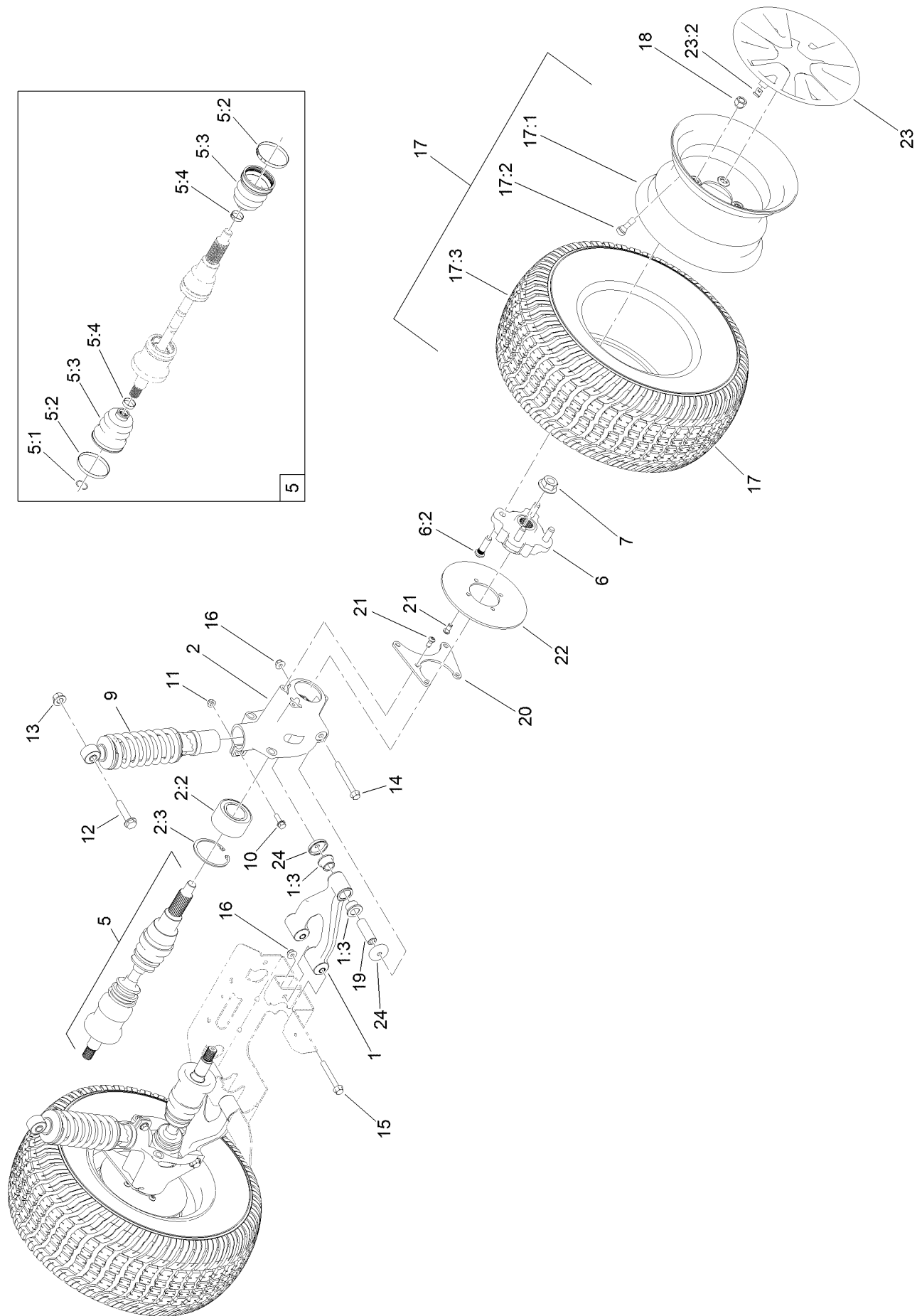
Steering Assembly



Steering Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	140-9830	1	Steering Rack ASM	15	144-5439	1	Shaft-Shift
1:21	140-9829	1	Kit-Tie Rod ASM	16	144-5438	1	Shift Arm
1:22	140-4592	1	Kit-Rod End ASM	17	114-8893	1	Bushing-Clip
1:22:2	3272-42	1	Pin-Cotter	18	32128-30	1	Nut-HF
1:22:3	140-2493	1	Nut-Hex, Slotted	19	138-6432	1	Detent Arm Assembly
2	32144-49	4	Screw-HWHTF	19:2	145-2095	1	Bushing-Detent, Shift
4	140-9805	1	Steering Column ASM-Gas	19:3	3296-47	1	Nut-Lock,NI
5	112-3262	2	Bearing	22	116-6876	1	Screw-Shoulder
6	3230-1	3	Bolt-CARR	23	32128-33	1	Nut-HF
7	104-8300	3	Nut-HF, NI	24	131-8419	1	Spring-Extension
8	140-9704	1	Shaft-Steering	25	110-3318	1	Bushing-Snap
9	145-7145	1	Screw-HSH,Lock	26	144-5419	1	Indicator-Gear
10	144-5570	1	Steering Wheel ASM	27	131-8463	1	Decal-Shift
11	99-5107	1	Nut-Lock	28	131-8473	1	Knob-Tapered
12	144-5567	1	Cover-Wheel, Steering	29	117-5036	1	Screw-Plastic, HWH
13	144-5566	1	Clip-Wheel, Steering	30	94-4496	5	Screw-PPH
14	144-5537	2	Spring-Compression				

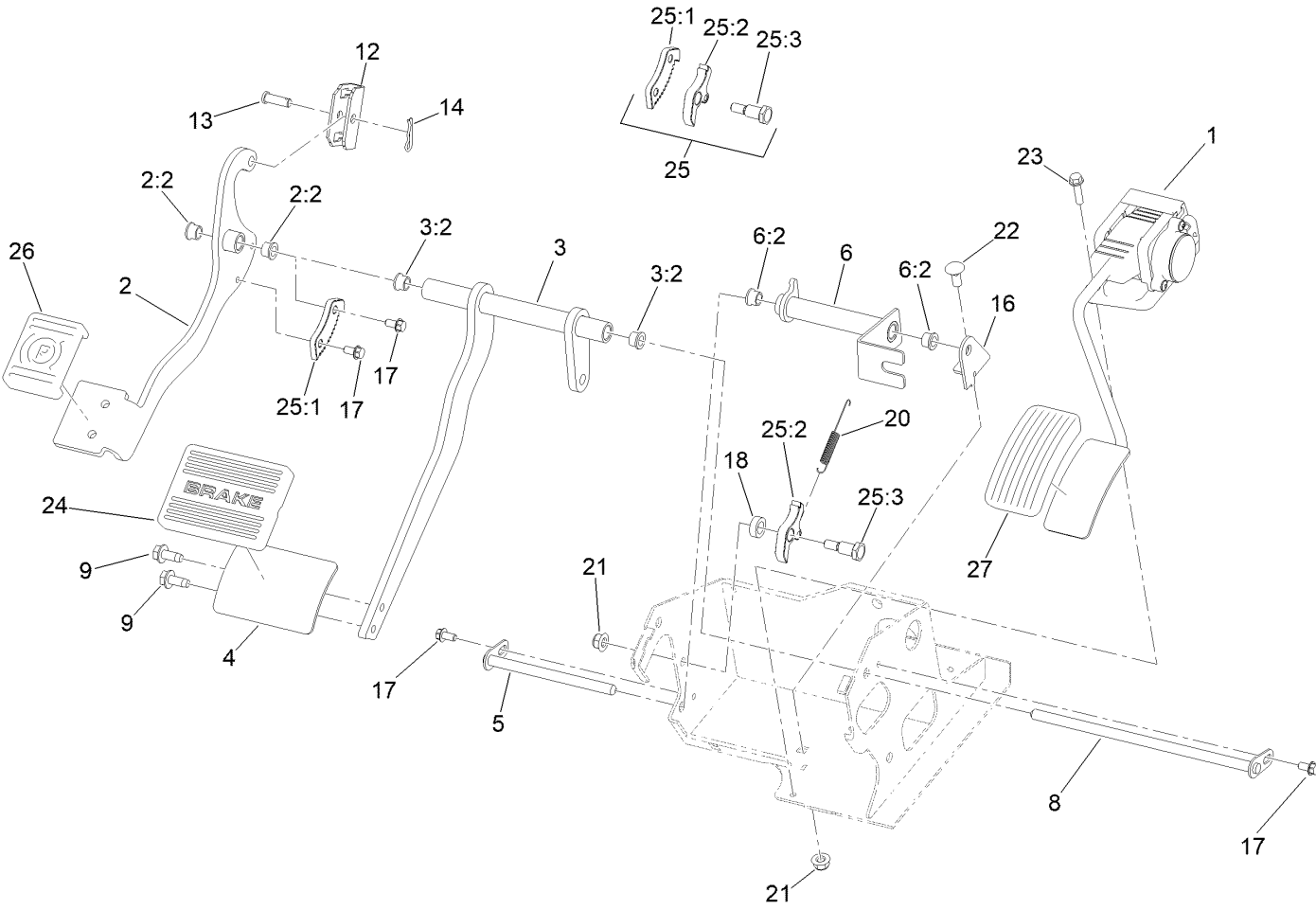
Rear Suspension Assembly



Rear Suspension Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	161-1819	2	Control Arm ASM	13	99-5107	2	Nut-Lock
1:3	147-3983	2	Bushing-Flange	14	139-3370	2	Screw-HF
2	144-5555	2	Rear Upright ASM	15	140-9853	4	Screw-HF
2:2	133-7272	1	Bearing-Ball	16	139-3380	6	Nut-HF
2:3	144-2207	1	Ring-Retaining	17	140-9801	2	Tire ASM
5	145-7062	2	Cv Axle	17:1	131-8317	1	Wheel
5:1	145-7195	1	Circlip	17:2	232-27	1	Stem-Valve
5:2	145-7196	2	Clamp	17:3	140-9794	1	Tire
5:3	145-7197	2	Boot-Cv	18	242-50	8	Nut-Lug
5:4	145-7198	2	Clamp-Cv	19	144-5634	2	Sleeve-Outer
6	145-7151	2	Rear Hub ASM	20	140-9749	2	Plate-Caliper
6:2	10-6830	4	Stud-Type, Drive	21	121-9671	14	Screw-HSBH
7	32128-53	2	Nut-HF	22	139-4474	2	Rotor-Brake
9	139-4291	2	Shock ASM	23	140-0933	2	Wheel Cover ASM
10	3234-29	2	Screw-HHF	23:2	140-0932	3	Clip-Cover, Wheel
11	104-8300	2	Nut-HF, NI	24	140-9793	4	Pin Seal
12	3234-46	2	Screw-HHF				

Brake and Throttle Pedal Assembly

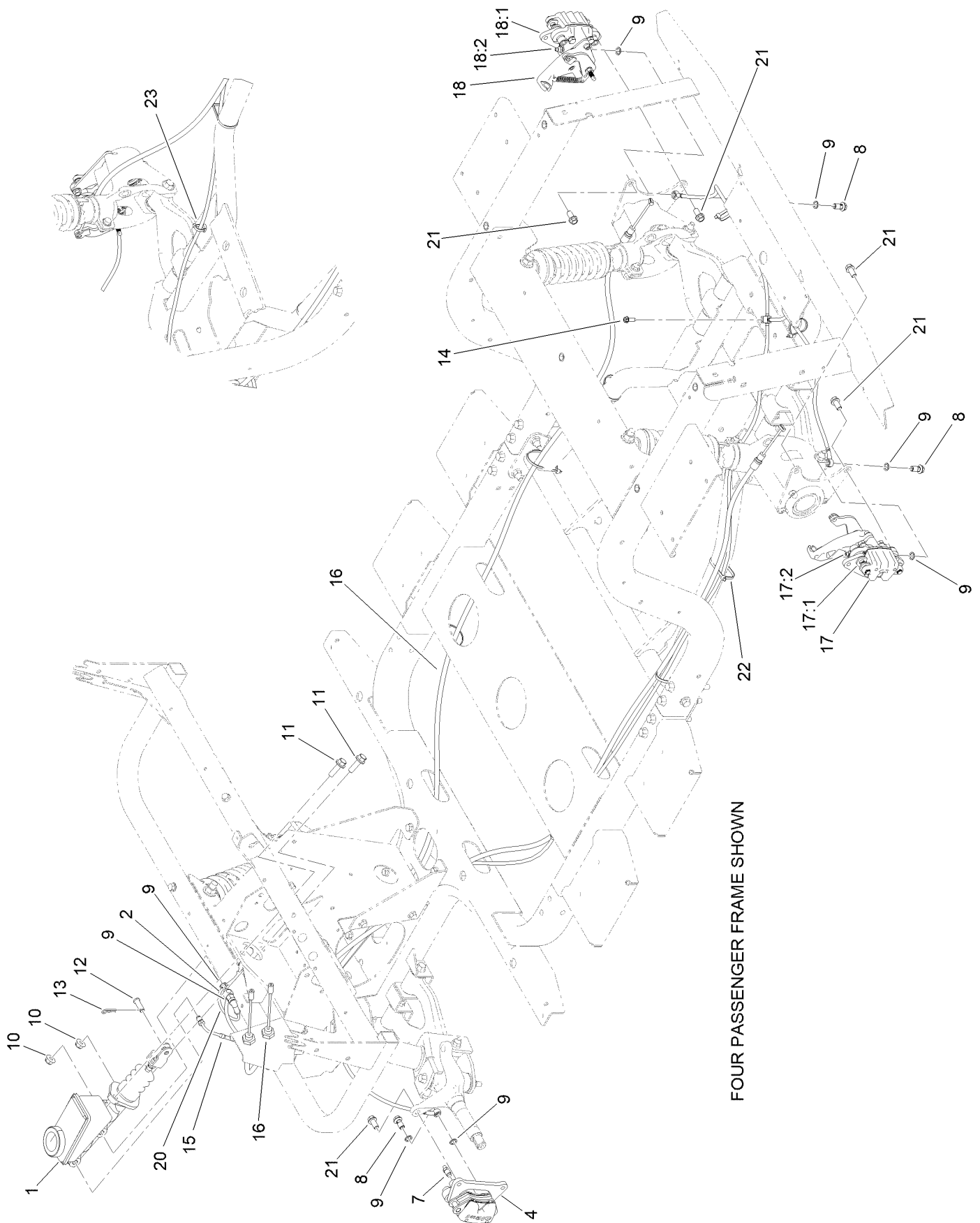


Brake and Throttle Pedal Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	140-9859	1	Throttle-Electronic	16	140-9814	1	Plate-Pivot
2	147-4093	1	Parking Brake Pedal ASM	17	32144-4	4	Screw-HWH
2:2	256-116	2	Bushing-Flange	18	256-276	1	Spacer-Nylon
3	144-5492	1	Brake Pedal ASM	20	140-9858	1	Spring-Extension
3:2	256-116	2	Bushing-Flange	21	104-8300	2	Nut-HF, NI
4	138-5763-03	1	Brake Pedal ASM	22	3230-1	1	Bolt-CARR
5	140-9810	1	Flag Pin ASM	23	32144-86	3	Screw-HWHTF
6	144-5491	1	Trip Pivot ASM	24	7-3900	1	Pad-Brake
6:2	256-116	2	Bushing-Flange	25	145-7274	1	Kit-Brake Pawl
8	140-0772	1	Flag Pin ASM	25:1		1	Plate-Ratcheting ●
9	32144-70	2	Screw-HWHTF	25:2		1	Pawl-Parking ●
12	87-3480	1	Bracket-Equalizer, Cable	25:3		1	Screw-Shoulder ●
13	1-808280	1	Pin-Clevis	26	144-5551	1	Pad-Parking Brake
14	1-806003	1	Pin-Cotter	27	140-4572	1	Pedal Pad-Throttle

● Not serviced separately

Front and Rear Brake Assembly



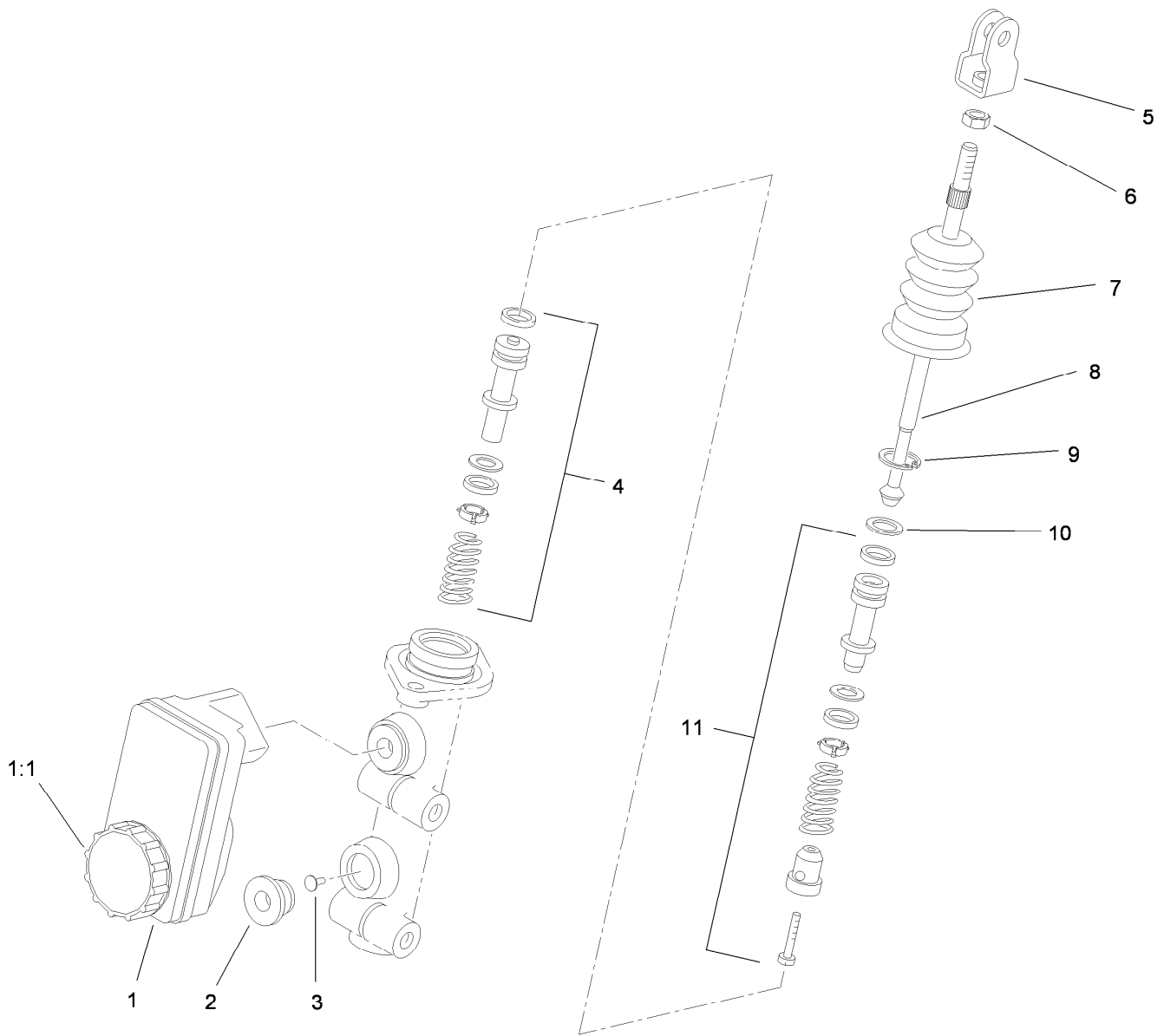
FOUR PASSENGER FRAME SHOWN

Front and Rear Brake Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	104-6782	1	Master Cylinder ASM
2	140-9993	1	Brake Line ASM
4	161-1890	2	Brake Caliper ASM
7	119-9509	2	Screw-Bleed
8	120-4875	4	Bolt-Flange, Banjo
9	115-2341	10	Washer-Banjo
10	104-8301	2	Nut-HF, NI
11	119-4061	2	Screw-HHF
12	283-2	1	Pin-Clevis
13	1-806003	1	Pin-Cotter
14	49-2040	2	Screw-HWHTF
15	140-9997	1	Brake Line ASM
16	144-5358	2	Cable-Parking
17	140-2585	1	Brake Caliper ASM, LH

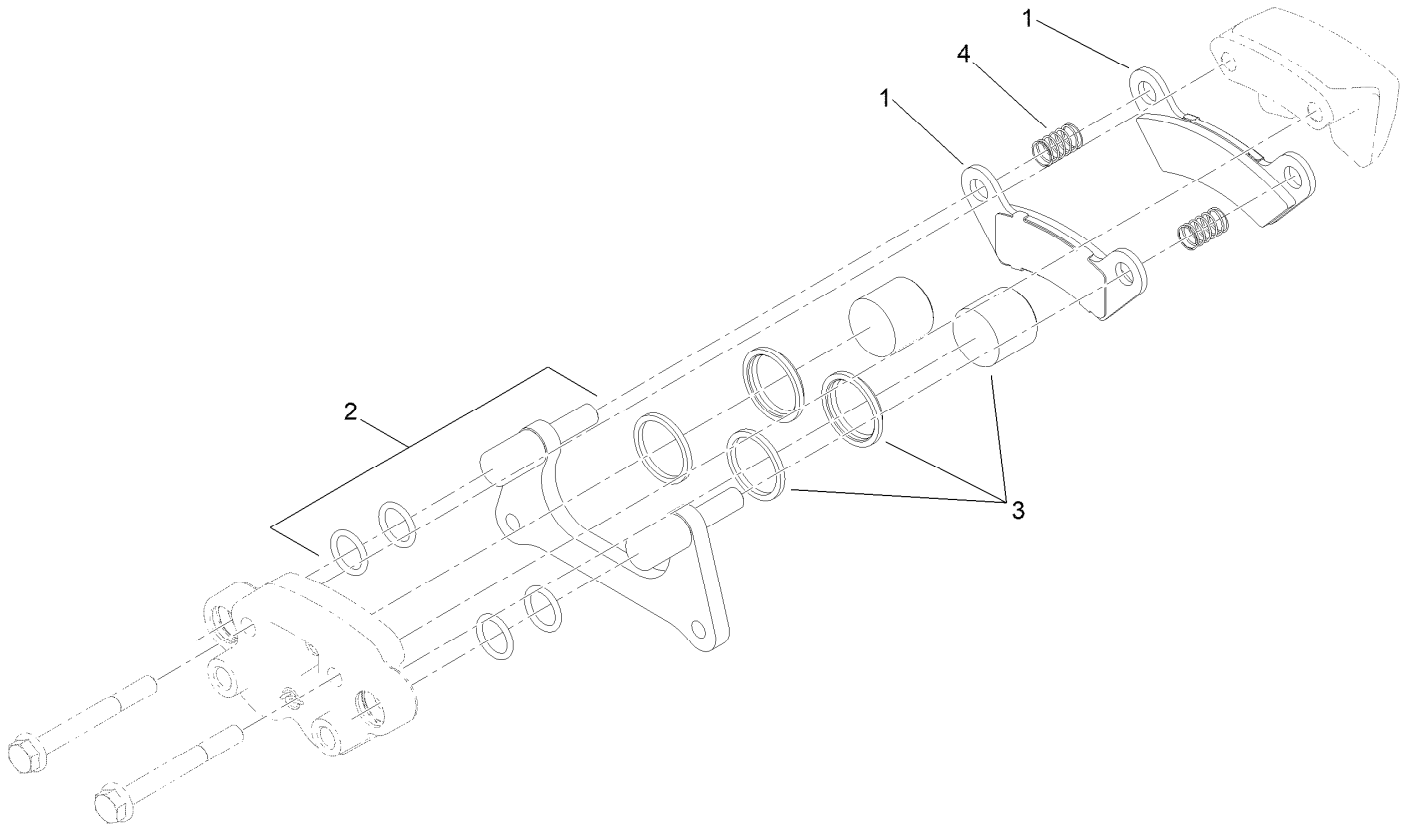
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
17:1	140-2595	1	Brake Pad Service Kit (Rear, Qty 4)
17:2	119-9509	1	Screw-Bleed
17:3	136-6328	2	Spring-Rattle, Anti ●
18	140-2590	1	Brake Caliper ASM, RH
18:1	140-2595	1	Brake Pad Service Kit (Rear, Qty 4)
18:2	119-9509	1	Screw-Bleed
18:3	136-6328	2	Spring-Rattle, Anti ●
20	144-2227	1	Switch-Brake, Pressure
21	144-5550	8	Screw-Spl
22	3290-378	13	Tie-Cable
23	32180-030	1	Clip-Tie

● Not illustrated



Master Cylinder Assembly No. 104-6782

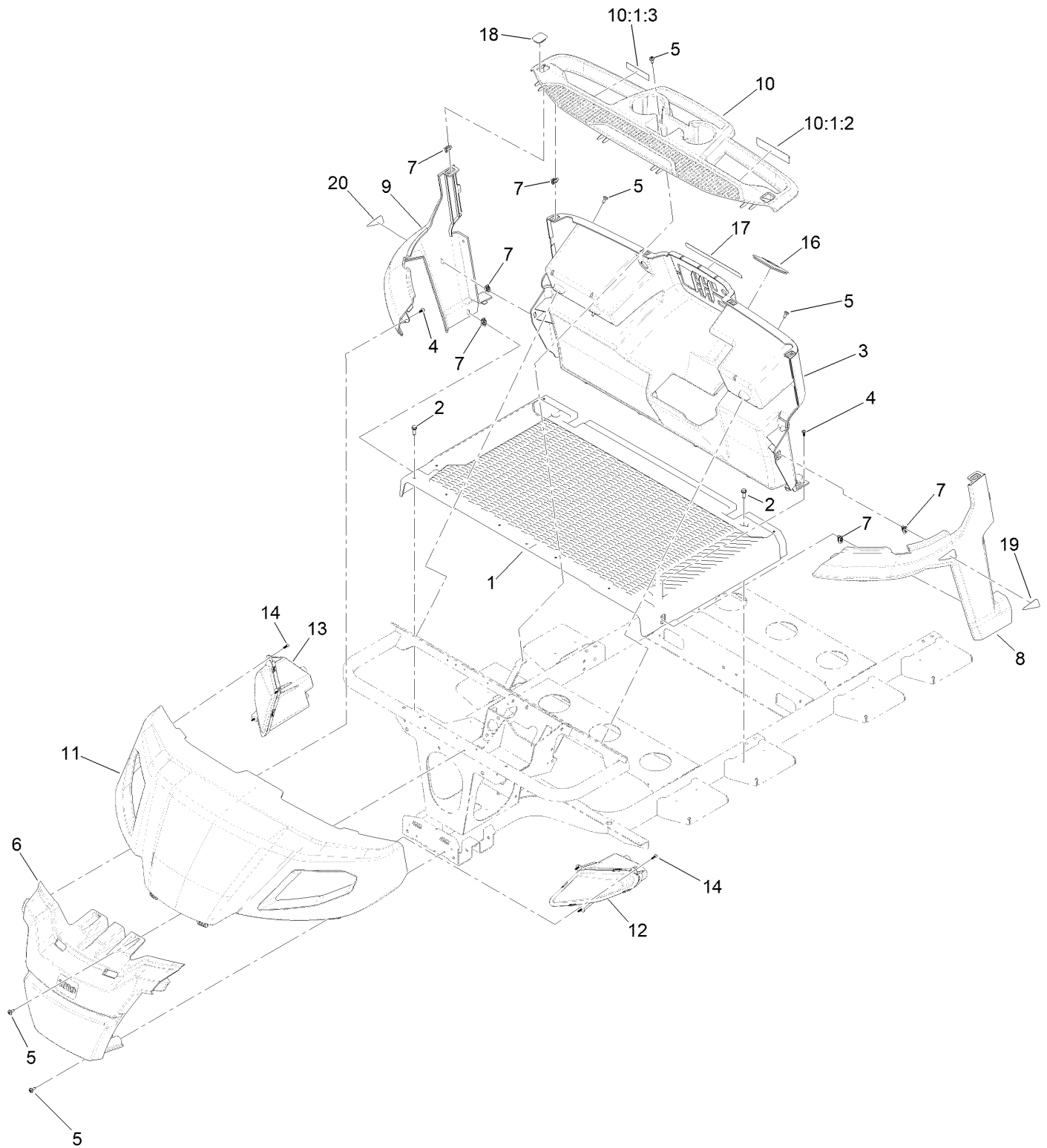
Ref.	Part Number	Qty.	Description
1	104-6845	1	Reservoir ASM
1:1	92-4112	1	Cap ASM
2	93-8971	2	Seal-Port, Flange
3	92-4103	1	Pin-Stop
4	92-4102	1	Secondary Piston ASM
5	92-4110	1	Clevis
6	21-0360	1	Nut-Hex
7	94-5209	1	Cover-Dust
8	94-5210	1	Rod-Push
9	92-4109	1	Ring-Snap
10	92-4108	1	Retainer-Washer
11	92-4101	1	Primary Piston ASM



Brake Caliper Assembly No. 161-1890

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	140-2580	1	Brake Pad Service Kit (Front, Qty 4)
2	119-9511	1	Bracket Kit
3	133-0614	1	Piston Kit
4	161-1889	2	Spring-Compression, Service

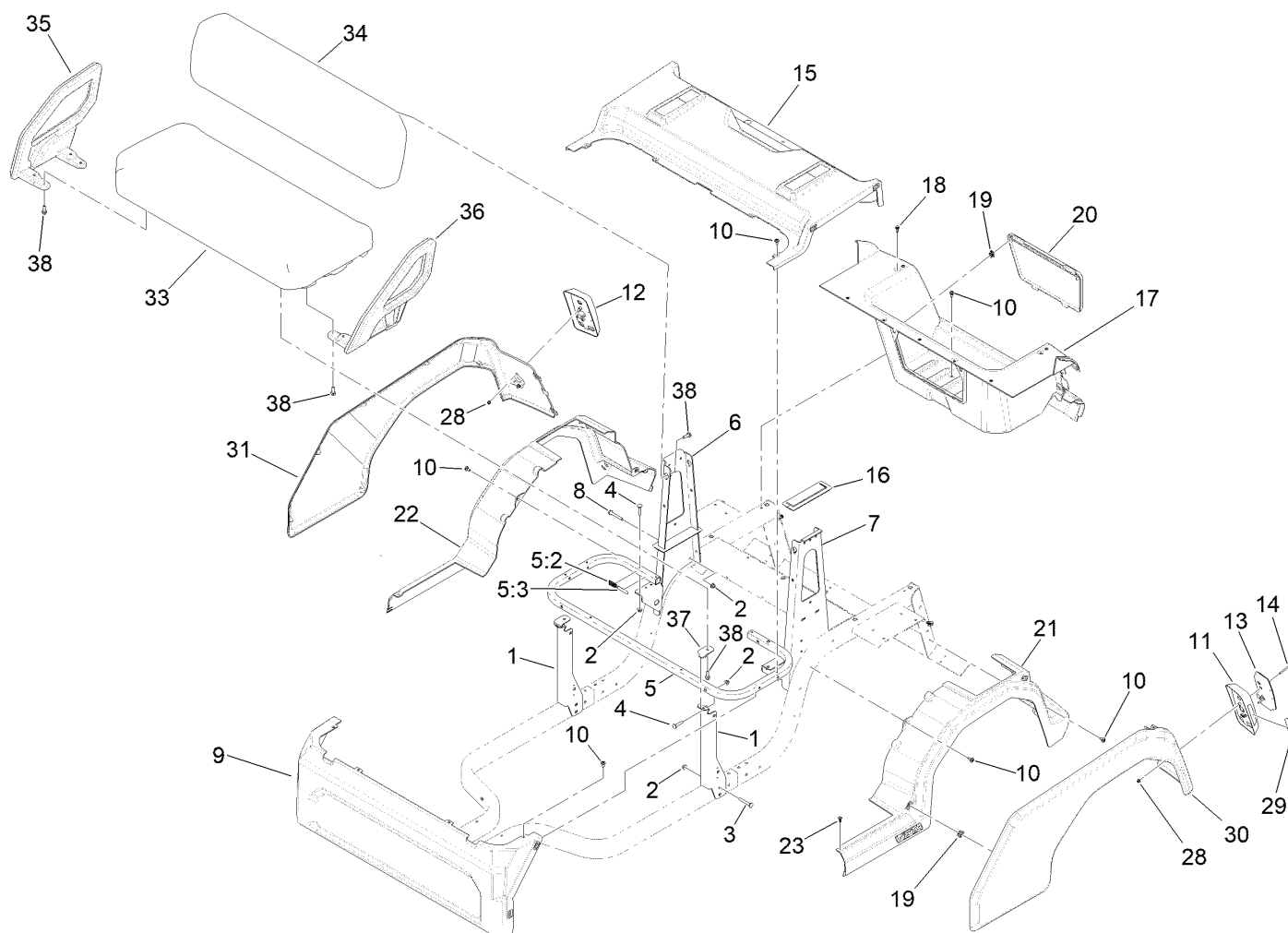
Hood, Front Fenders and Dash Assembly



Hood, Front Fenders and Dash Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	140-0850SP	1	Floor-Front	10:1:3	140-0920	1	Decal-Vista Safety, Passenger
2	701243	5	Screw-Thd Roll, HWH	11	145-7200SP	1	Hood-Vista, Beige
3	140-9901SP	1	Dash	12	140-0890	1	Headlight-LH
4	138-5775	10	Screw-Delta Point	13	140-0891	1	Headlight-RH
5	120-7950	8	Screw-Torx	14	140-9930	6	Screw-Bhf, Plastic
6	140-0845SP	1	Bumper-Front	16	140-9903	1	Grommet-Column, Steering
7	140-9908	10	Clip-Trim	17	144-5572	1	Decal-Control Panel, Gas
8	140-0842SP	1	Fender-Front, LH	18	145-7122	2	Cap-Plug, Dash
9	140-0843SP	1	Fender-Front, RH	19	140-0941	1	Decal-Reflector, Front, LH
10	145-7051SP	1	Dash-Top 6/8P	20	140-0942	1	Decal-Reflector, Front, RH
10:1:2	144-5571	1	Decal-Vista Safety, Driver				

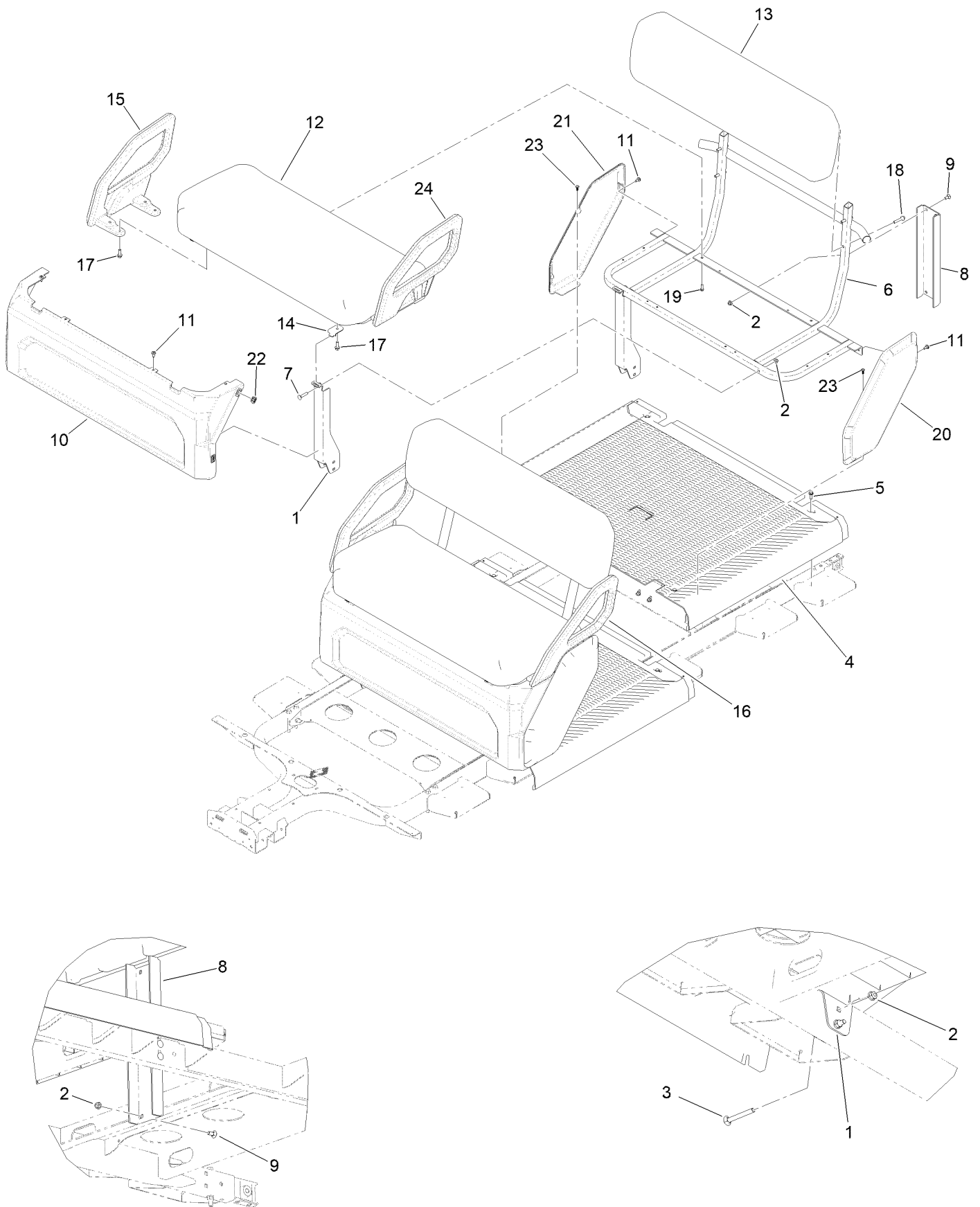
Main Seat and Rear Fenders Assembly



Main Seat and Rear Fenders Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	140-0800-03	2	Bracket-Support, Seat Frame	16	140-9904	2	Grommet-Bracket, Seat
2	104-8300	12	Nut-HF, NI	17	140-0851SP	1	Tub-Rear
3	3230-7	4	Bolt-CARR	18	125-9622	8	Rivet-Blind
4	3230-4	4	Bolt-CARR	19	140-9908	14	Clip-Trim
5	145-7056	1	Gas Seat Tube	20	140-0866	1	Door-Access, Rear
5:2	127-3866	1	Decal-Warning, Hot Surface	21	140-0847SP	1	Fender-Rear, LH
5:3	120-9570	1	Decal-Warning	22	140-0848SP	1	Fender-Rear, RH
6	144-5623-03	1	Bracket-Back, RH	23	138-5775	2	Screw-Delta Point
7	144-5622-03	1	Bracket-Back, LH	28	138-0719	4	Nut-HF
8	139-4479	4	Screw-HHF	29	140-0943	2	Decal-Reflector, Rear
9	140-0849SP	1	Panel-Base, Seat	30	145-7210SP	1	Panel-Rear, LH Beige
10	120-7950	14	Screw-Torx	31	145-7220SP	1	Panel-Rear, RH Beige
11	140-9910	1	Housing-Tail Light, LH	33	140-9941SP	1	Seat Bottom ASM-Beige
12	140-9911	1	Housing-Tail Light, RH	34	140-9943SP	1	Seat Backrest ASM-Beige
13	139-2071	2	Light-Rear Tail/Stop/Turn	35	140-0804SP	1	Restraint-Hip, RH
14	3250-48	4	Screw-PPH	36	140-0802SP	1	Restraint-Hip, LH
15	140-0846SP	1	Cover-Rear	37	140-0812	2	Bracket-Hinge, Seat
				38	115-5142	14	Screw-HHF

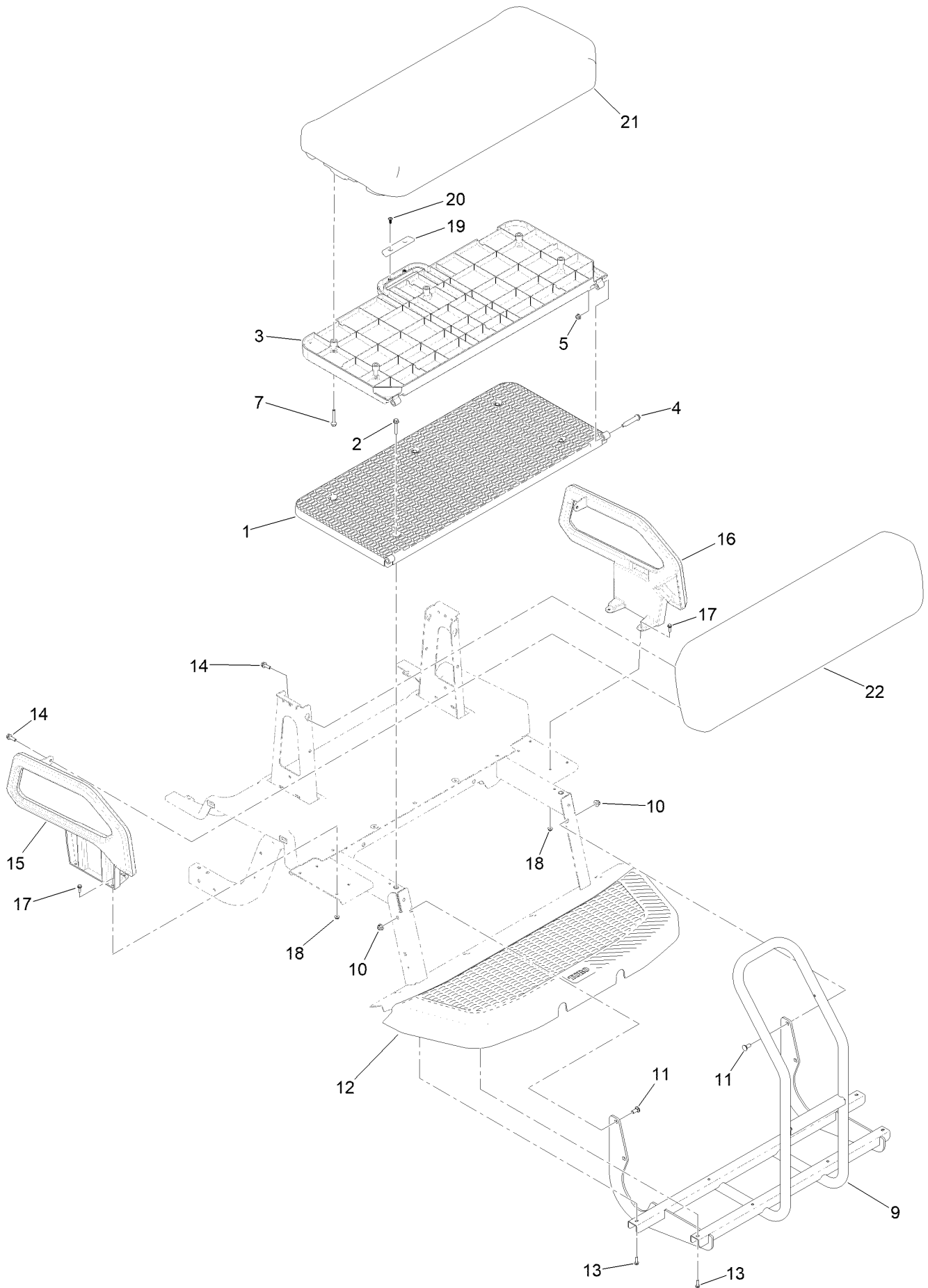
Passenger Seat Assembly



Passenger Seat Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-5556-03	4	Bracket-Support, Seat [bla	13	140-9943SP	2	Seat Backrest ASM-Beige
2	104-8300	20	Nut-HF, NI	14	140-0812	4	Bracket-Hinge, Seat
3	3230-9	8	Screw-CARR	15	140-0804SP	2	Restraint-Hip, RH
4	140-0870SP	2	Floor-Middle	16	140-0803SP	1	Restraint-Hip, Driver
5	701243	8	Screw-Thd Roll, HWH	17	115-5142	20	Screw-HHF
6	140-9785SP	2	Seat Support ASM	18	145-7105	8	Screw-HHF
7	3230-4	4	Bolt-CARR	19	46-8091	4	Screw-HWH
8	140-9753-05	2	Post-Center	20	145-7230	2	Panel-Seat, LH
9	3230-1	8	Bolt-CARR	21	145-7240	2	Panel-Seat, RH
10	140-0849SP	2	Panel-Base, Seat	22	140-9908	8	Clip-Trim
11	120-7950	12	Screw-Torx	23	138-5775	4	Screw-Delta Point
12	140-9941SP	2	Seat Bottom ASM-Beige	24	140-0802SP	1	Restraint-Hip, LH

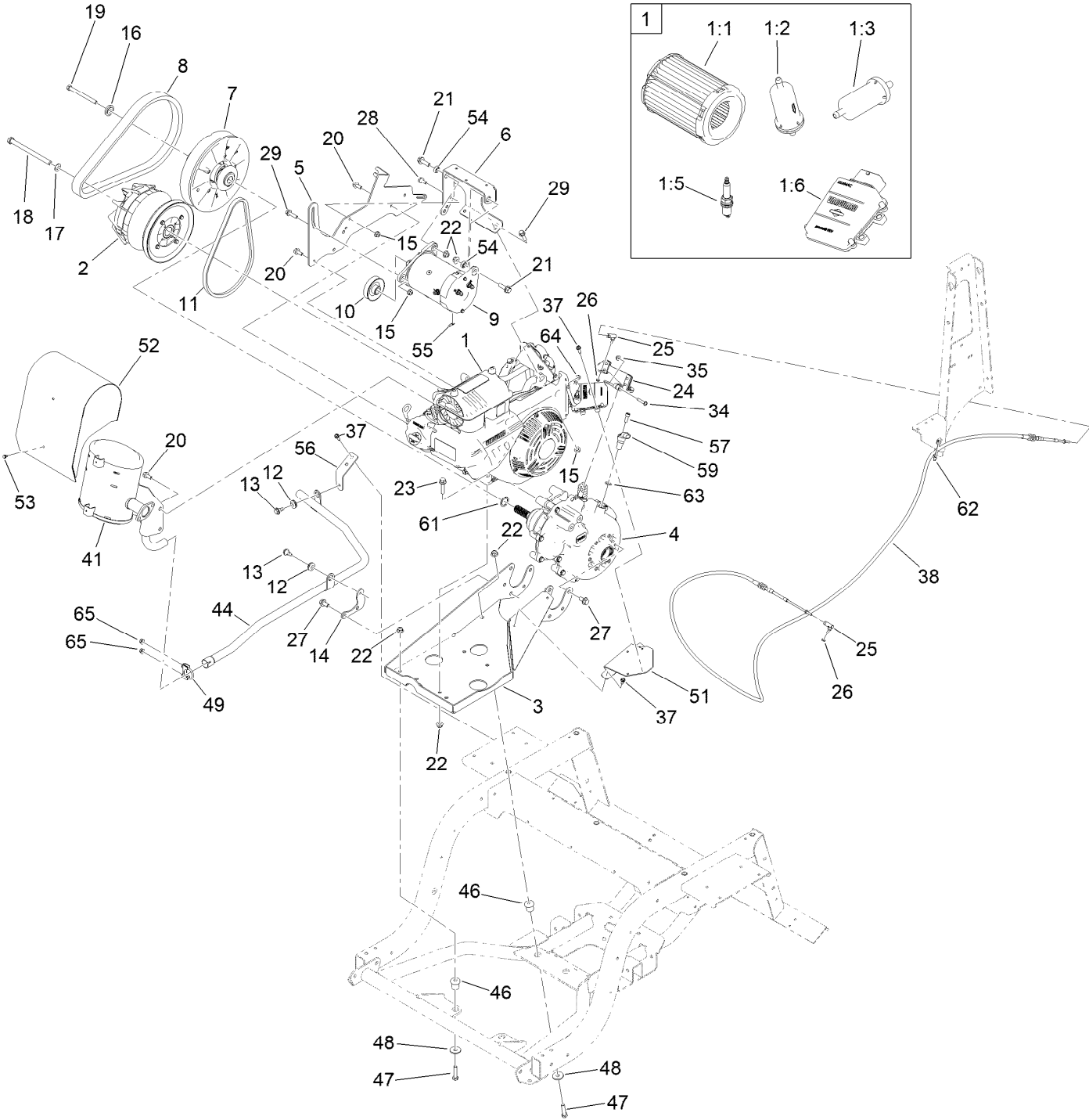
Rear Facing Seat Assembly



Rear Facing Seat Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	140-0821SP	1	Floor-Box, Cargo	13	46-8091	8	Screw-HWH
2	145-7105	5	Screw-HHF	14	115-5142	6	Screw-HHF
3	140-0820SP	1	Floor-Flip Seat	15	140-0833SP	1	Restraint-Hip, LH Rear
4	136-7199	2	Bolt-Shoulder	16	140-0834SP	1	Restraint-Hip, RH Rear
5	104-8300	2	Nut-HF, NI	17	32105-15	8	Screw-HWH
7	140-9909	5	Screw-HHF	18	104-7201	8	Nut-HF, NI
9	140-0875SP	1	Rear Floor Frame ASM	19	145-7100	1	Bumper-Rubber, Flip Seat
10	104-8301	4	Nut-HF, NI	20	138-5775	2	Screw-Delta Point
11	3231-12	4	Bolt-CARR	21	140-9941SP	1	Seat Bottom ASM-Beige
12	140-0872SP	1	Floor-Rear	22	140-9943SP	1	Seat Backrest ASM-Beige

Engine and Transaxle Assembly

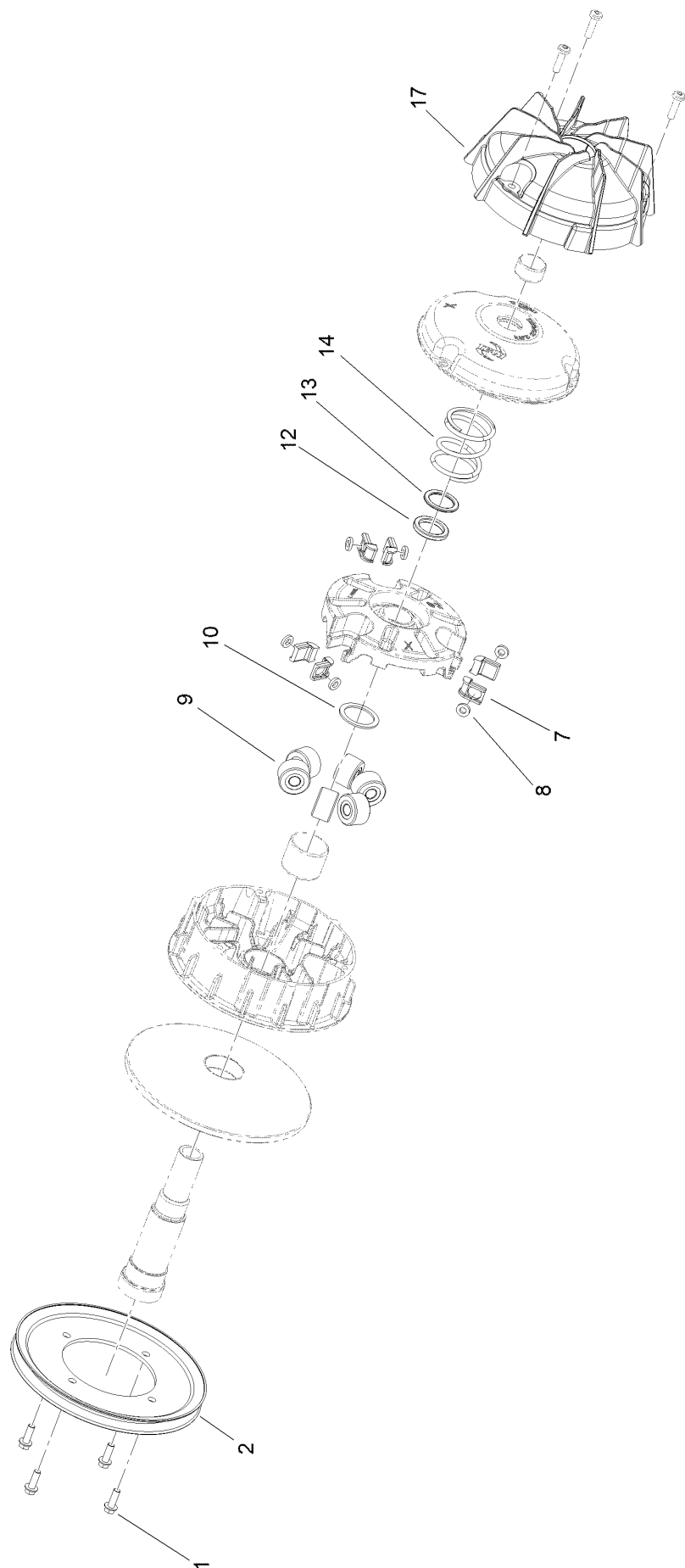


Engine and Transaxle Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	161-2035	1	Engine-Briggs
1:1	145-7199	1	Filter-Air, Briggs
1:2	145-7282	1	Filter-Fuel, 10 Micron
1:3	145-7283	1	Filter-Fuel, 30 Micron
1:5	147-3473	1	Spark Plug
1:6	145-7284	1	ECM-Briggs
2	147-4088	1	Primary Clutch ASM
3	140-9783-03	1	Tray-Engine ASM
4	140-9807	1	Transaxle-Gas
5	140-9777-03	1	Plate-Spanner
6	144-5490-03	1	Bracket-Starter
7	119-6011	1	Secondary Clutch ASM
8	131-8567	1	Belt-Variable
9	131-8444	1	Starter/Generator ASM
10	140-9821	1	Pulley-Drive
11	63-2951	1	V-Belt, Traction
12	1-633630	2	Grommet
13	99-5105	2	Screw-Shoulder
14	144-5496	1	Bracket-Exhaust
15	104-8300	5	Nut-HF, NI
16	104-6563	1	Washer-Stepped
17	3256-25	1	Washer-Flat
18	131-8521	1	Screw-HH
19	119-0723	1	Screw-HH, Lock
20	139-3392	9	Screw-Lock
21	119-4061	2	Screw-HHF
22	104-8301	10	Nut-HF, NI
23	114-4681	4	Screw-HHF
24	133-7260-03	1	Arm-Shift

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
25	2411-38	2	Joint-Ball
26	3296-27	2	Nut-Lock, NI
27	139-6300	10	Screw-Hfl
28	3234-47	2	Screw-HHF
29	3234-36	3	Screw-HHF
34	132-6777	1	Screw-Twh Thd Roll
35	104-7201	1	Nut-HF, NI
37	49-2040	8	Screw-HWHTF
38	140-9999	1	Cable-Shift
41	144-5447	1	Muffler-Briggs
44	144-5435	1	Tailpipe-Long
46	63-9750	4	Mount
47	323-8	4	Screw-HH
48	2844	4	Washer
49	144-5467	1	Clamp-Muffler
51	144-5477-03	1	Bracket-Ecu
52	144-5590	1	Muffler Shield
53	104-2065	4	Screw-HWH
54	107-0758	2	Spacer-Bearing
55	32180-535	1	Terminal-Tab
56	145-7188-03	1	Bracket-Exhaust
57	3274-10	1	Screw-HSH
59	145-7335	1	Sensor, Ground Speed
61	1-303352	1	Washer-Spindle
62	3290-378	2	Tie-Cable
63	237-142	1	Seal-O-Ring
64	33003-00	1	Nut-HF
65	32128-32	2	Nut-HHF

Primary Clutch Assembly No. 147-4088

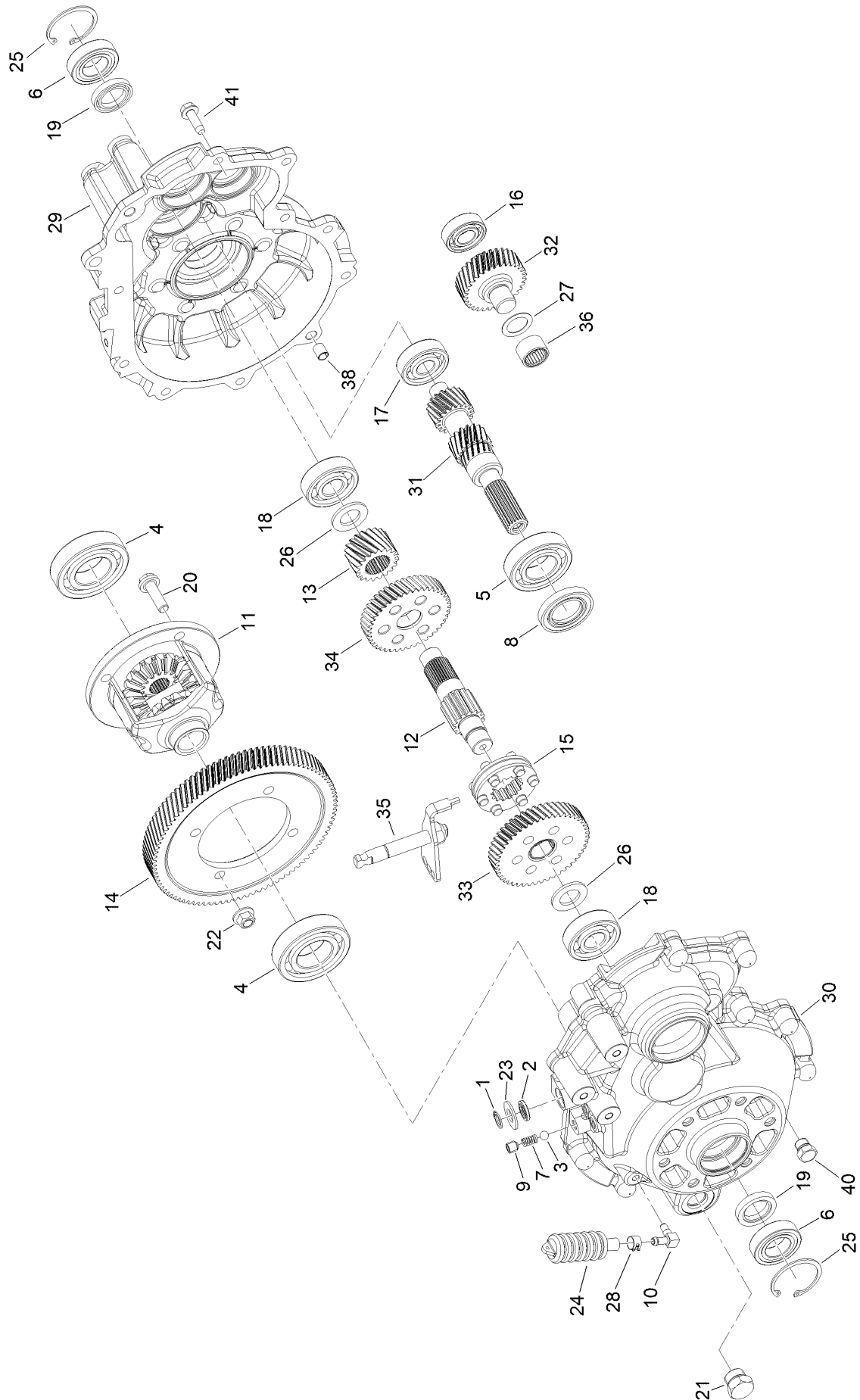


Primary Clutch Assembly No. 147-4088 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	49-2040	7	Screw-HWHTF
2	119-0813	1	Pulley-Primary
7	127-8689	6	Button-Primary, Torque
8	127-8690	6	Plug-Button, Torque
9	119-0804	6	Weight-Roller

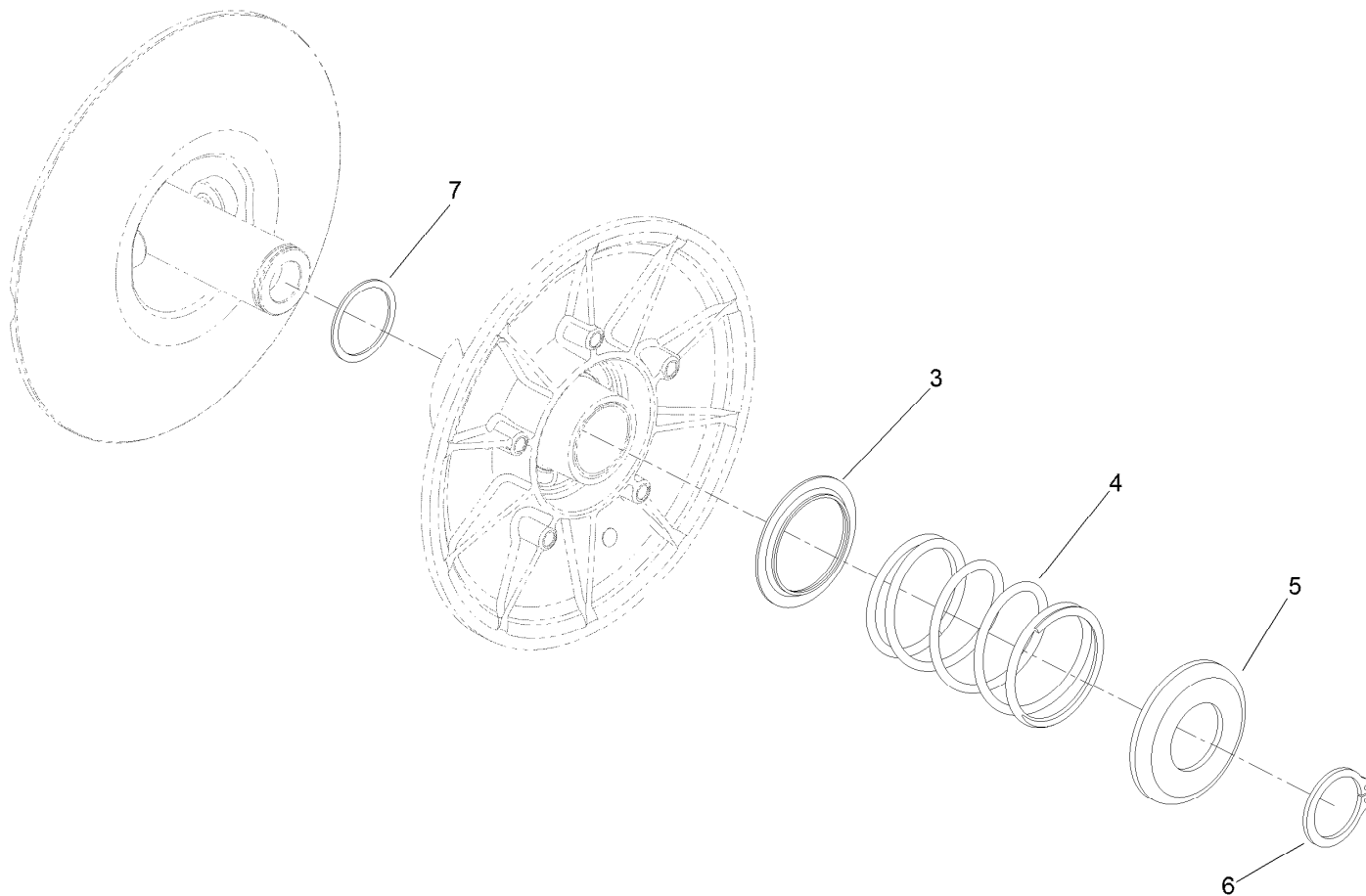
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	119-0812	1	Shim-Spider
12	119-0807	1	Shim-Limiter
13	147-3963	1	Limiter-Shift
14	119-9532	1	Spring-Red/White
17	145-7339	1	Clutch Fan ASM

Transaxle Assembly No. 140-9807



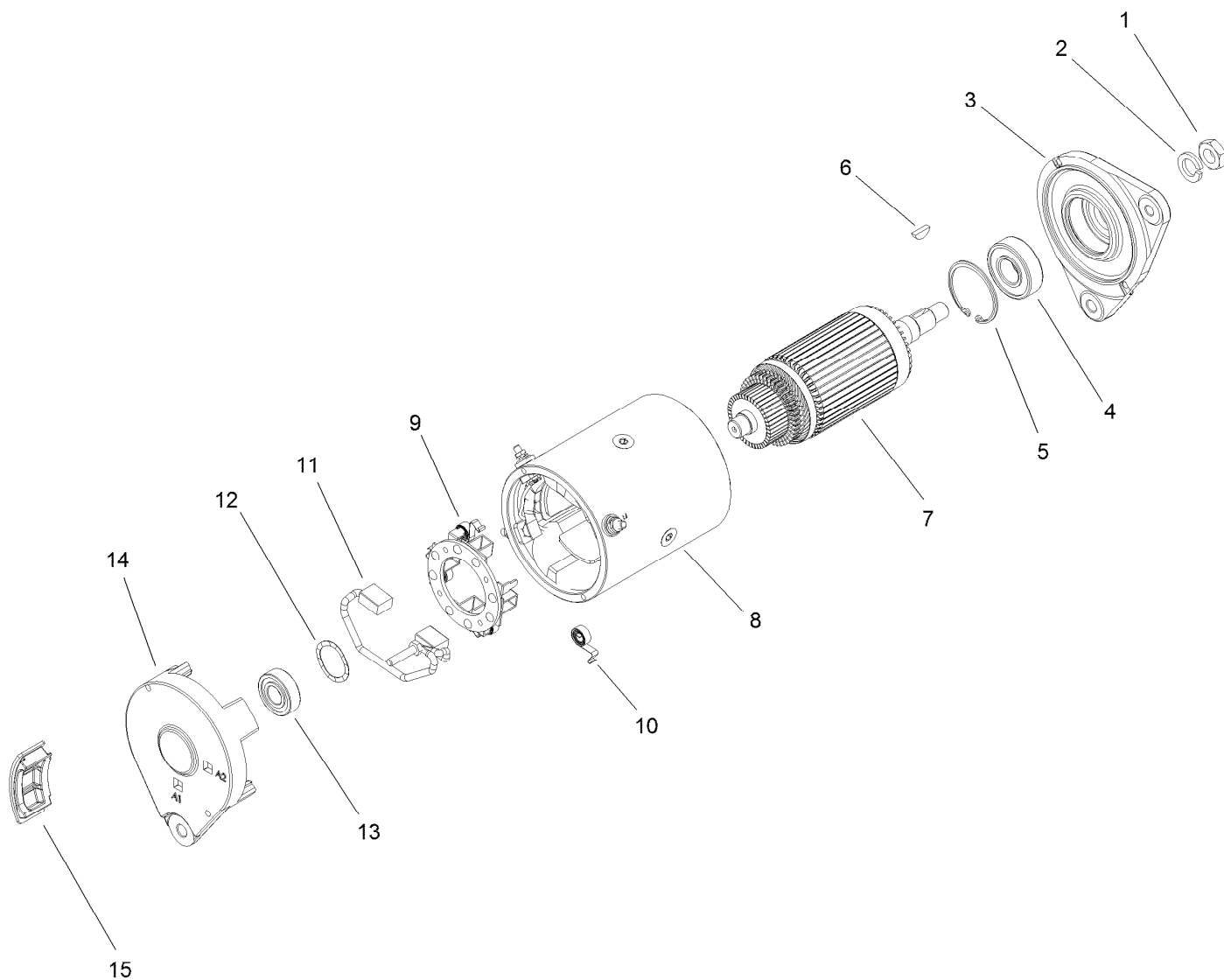
Transaxle Assembly No. 140-9807 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	145-7304	1	Ring, Retaining, External, .500 Shaft	19	145-7289	2	Seal, Oil, .945 Shaft, 1.499 Bore
2	145-7305	1	Seal, Oil, .500 Shaft, .750 Bore	20	133-2462	4	Bolt-HHF
3	110-3154	1	Ball-Detent	21	133-2466	1	Plug-HH
4	145-7287	2	Bearing, Ball, Single Row, 6207	22	133-2463	4	Nut-Lock
5	145-7307	1	Bearing, Ball, Single Row, 6206	23	145-7320	1	Washer, .510 X 1.061 X .073
6	145-7288	2	Bearing, Ball, Single Row, 6005-2Rs	24	145-7294	1	Vent, Bellows
7	145-7309	1	Spring, Compression, Detent	25	133-2450	2	Ring-Retaining
8	145-7310	1	Seal, Oil, 30 MM Shaft, 52 MM Bore	26	145-7322	2	Spacer, Flat, .790 X 1.378 X .108
9	145-7311	1	Screw, Set, Hex Dr, Cup Pt, 3/8-16 Unc	27	145-7323	1	Washer, Thrust, .805 X 1.190 X .031
10	147-4096	1	Tube, Vent	28	145-7295	1	Clamp, Hose
11	145-7290	1	Assembly, Differential Case, Standard	29	145-7325	1	Housing, Left
12	145-7313	1	Shaft, Intermediate, Finish	30	145-7326	1	Housing, Right
13	145-7314	1	Gear, Helical, Intermediate, 19T, Finish	31	145-7327	1	Shaft, Input, 16T/18T
14	145-7315	1	Gear, Helical, Output, 93T	32	145-7328	1	Gear, Helical, Idler, 31T
15	145-7316	1	Clutch, Gear, Finish	33	145-7329	1	ASM, Gear, Intermediate, Reverse, 47T
16	133-2453	1	Bearing-Ball	34	145-7330	1	ASM, Gear, Intermediate, Forward, 42T
17	133-2456	1	Bearing-Ball	35	145-7331	1	Assembly, Shift Shaft
18	145-7317	2	Bearing, Ball, Single Row, 6304	36	145-7332	1	Bearing, Needle, Caged, Drawn Cup
				38	145-7301	2	Bushing, Dowel, .313 X .500
				40	145-7302	1	Drain Plug, Magnetic, O-Ring, 1/2-20
				41	147-4095	11	Screw, Hex Head, 5/16-18, Thread Forming



Secondary Clutch Assembly No. 119-6011

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3	119-0809	1	Cup-Spring Retainer, Inner
4	119-9360	1	Spring-Compression, Black/Almond
5	119-0810	1	Cup-Spring Retainer, Outer
6	119-0811	1	Ring-Retaining
7	119-6018	1	Shim-Thrust

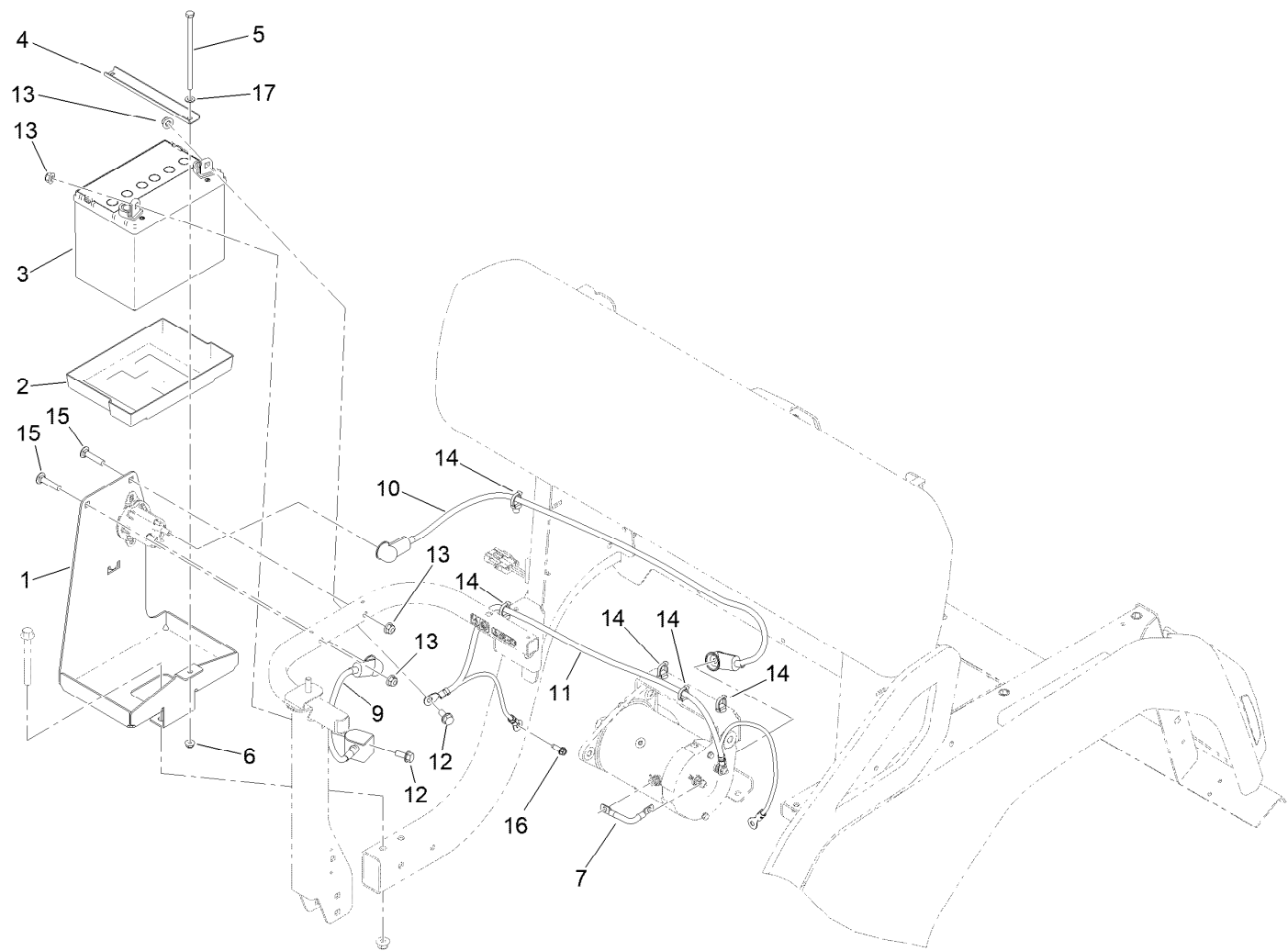


Starter Generator Assembly No. 131-8444

Ref.	Part Number	Qty.	Description
1	119-9651	1	Nut
2	119-9652	1	Washer-Lock
3	133-0599	1	Head-Drive End
4	119-9655	1	Bearing
5	119-9656	1	Ring-Retaining
6	119-9657	1	Key-Woodruff
7	119-9658	1	Armature ASM
8		1	Frame And Field Assembly ●
9	119-9661	1	Brush Box ASM
10	119-9660	4	Spring-Brush
11	119-9659	1	Brush Lead And Terminal Service Kit
12	119-9662	1	Washer-Wave
13	119-9663	1	Bearing
14		1	Head-End, Cummutator ●
15	133-0600	4	Plug-Rubber

● Not serviced separately

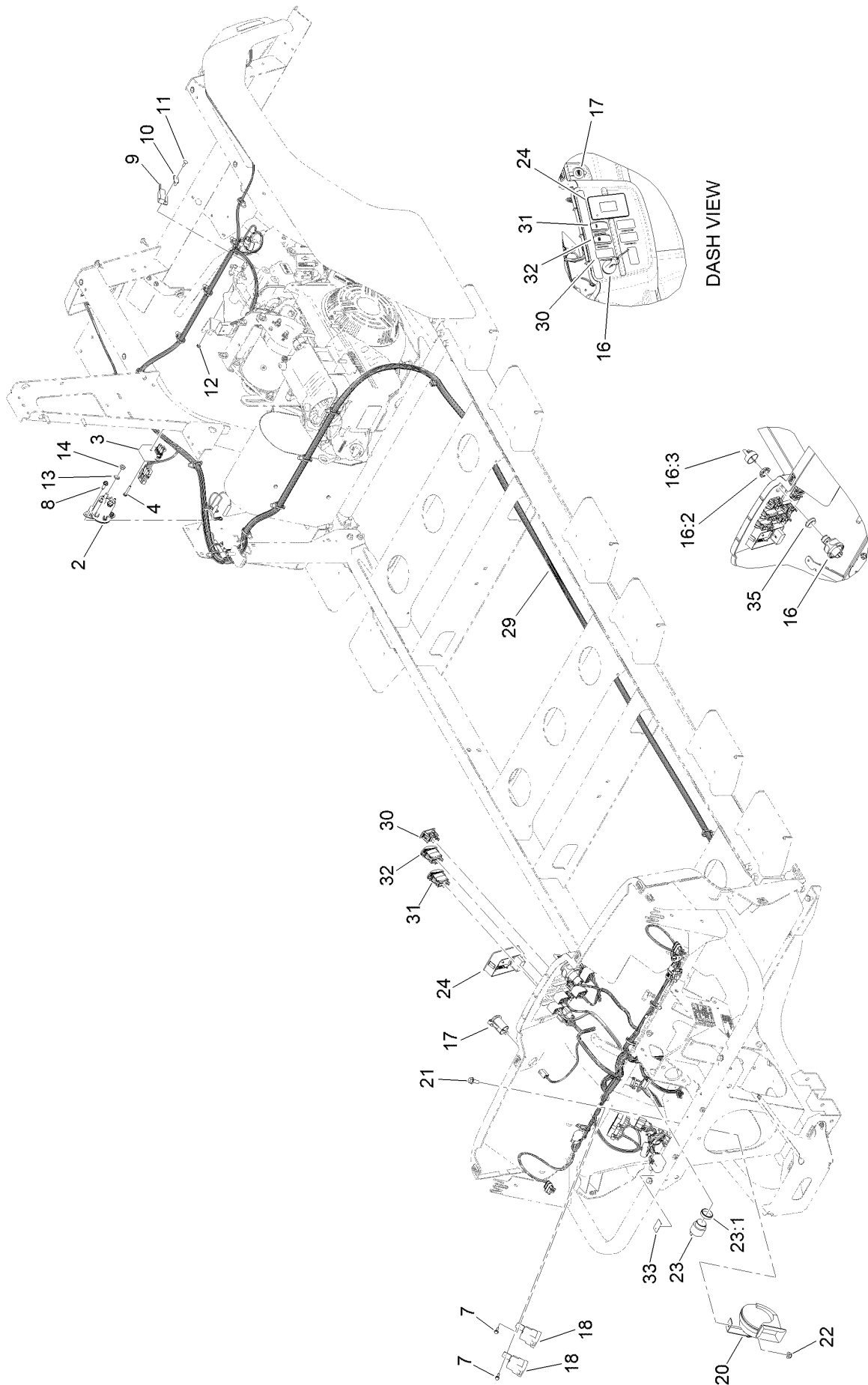
Battery Assembly



Battery Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	140-9869-03	1	Tray-Battery	10	140-9889	1	Cable-Battery, Rd ASM
2	106948	1	Tray-Battery	11	140-9890	1	Cable-Battery, Bk ASM
3	99-7421	1	Battery- Wet, 12V, 300 CCA	12	3234-5	2	Screw-HHF
4	127-7816-03	1	Channel-Clamp, Battery	13	104-8300	4	Nut-HF, NI
5	321-47	1	Screw-HH	14	32180-030	5	Clip-Tie
6	104-7201	1	Nut-HF, NI	15	3230-4	2	Bolt-CARR
7	122-1176	1	Cable-Battery, Negative	16	49-2040	1	Screw-HWHTF
9	140-9888	1	Cable-Battery, Rd ASM	17	3256-22	1	Washer-Flat

Electrical Assembly

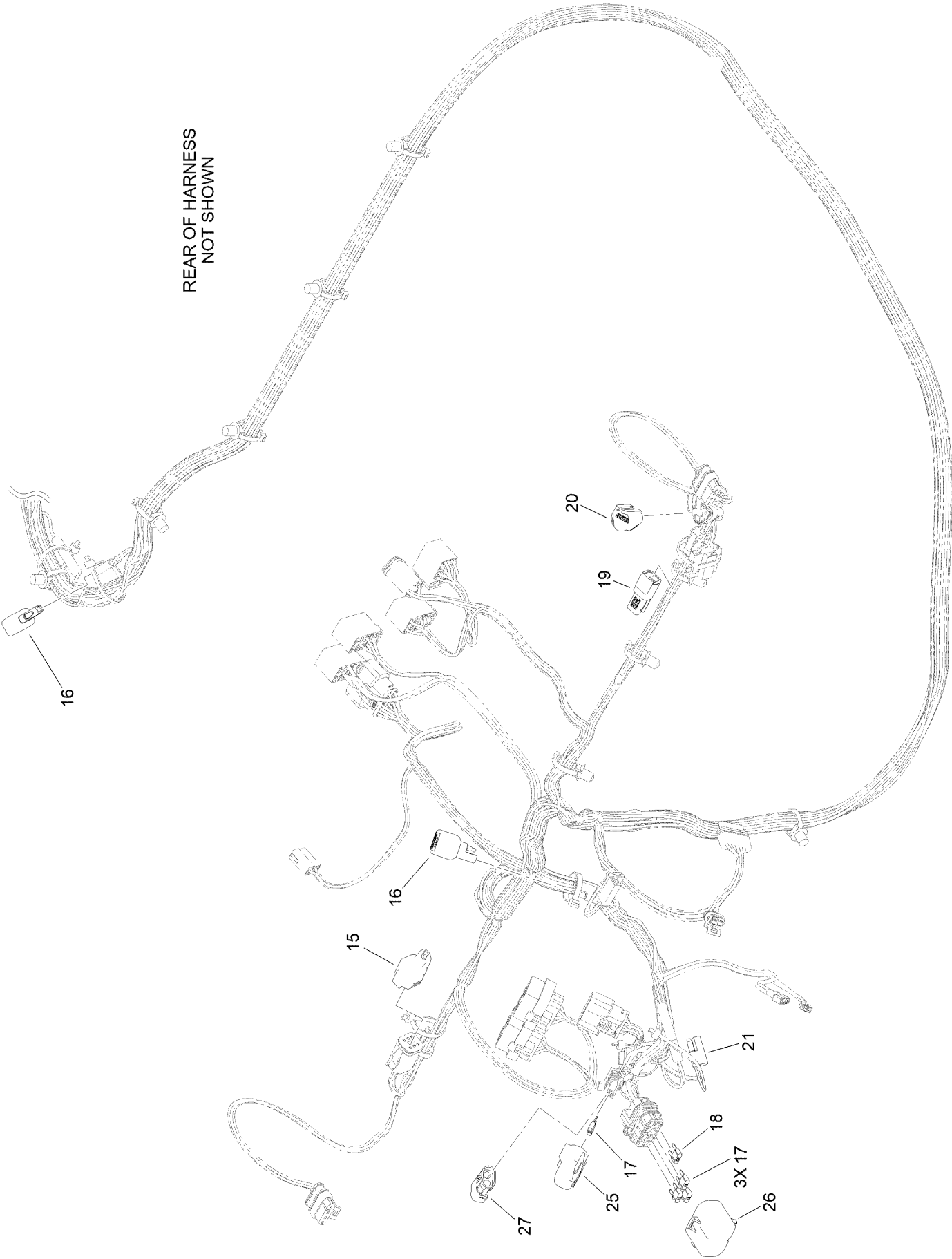


Electrical Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	114-3315	1	Solenoid	18	99-7430	2	Relay-Mini
3	119-9492	1	Regulator-Voltage	20	110-2594	1	Horn
4	100-4352	1	Screw-HWH	21	3234-5	1	Screw-HHF
7	100-4351	2	Screw-HWH	22	104-8300	1	Nut-HF, NI
8	32144-4	2	Screw-HWH	23	80-9330	1	Audio Alarm ASM
9	100-1270	1	Switch-Proximity	23:1	104-5107	1	Nut-Plastic, Knurled
10	100-4872	1	Plate-Switch, Neutral	24	122-2152	1	Controller, Tdm-1601
11	3229-34	1	Screw-CARR	29	122-2217	1	Harness-Wire, Vista, B&s (6&8 Pass)
12	138-0719	1	Nut-HF	30	119-7791	4	Plug-Hole
13	3255-8	2	Washer-Lock	31	144-2415	1	Switch-Rocker, (On)-None-Off
14	3220-2	2	Nut-Jam	32	144-2405	1	Switch-Rocker, On-None-On
16	122-2513	1	Switch-Ignition, Suns	33	144-5575	1	Decal-Fuse Block EFI
16:1	121-5160	1	Nut-Hex ●	35	145-7110	1	Adapter-Switch, Key
16:2	122-2704	1	Nut-Face, M22 (Plastic)				
16:3	121-5162	1	Set-Key, Ignition				
17	140-7955	1	Port-Power, USB				

● Not illustrated

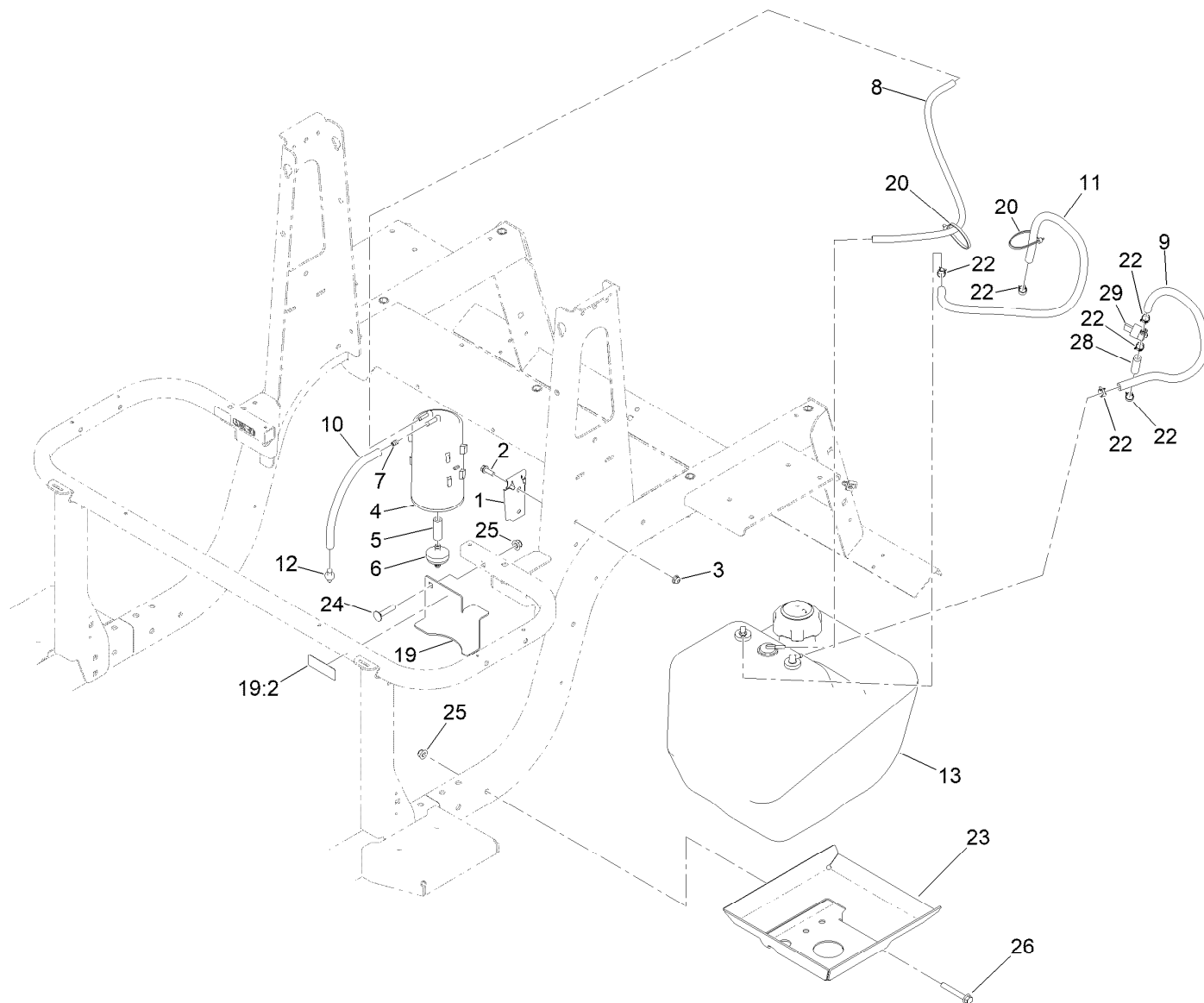
Wire Harness Assembly No. 122-2217



Wire Harness Assembly No. 122-2217 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
15	32180-156	1	Cap-Plug, 6 Way	21	32180-416	1	Cap-Tethered
16	100-4918	2	Diode	25	32180-101	1	Cover-Fuse, Single
17	121-8866	4	Fuse-Mini Blade, 10 Amp	26	32180-181	1	Cover-Cooper-Bussman, Atm ST Pin Brkt
18	121-8868	2	Fuse-Mini Blade, 20 Amp	27	32160-072	1	Connector-Wp,2M
19	32180-282	1	Resistor-120 Ohm				
20	32180-089	1	Cap-Plug, 3 Way				

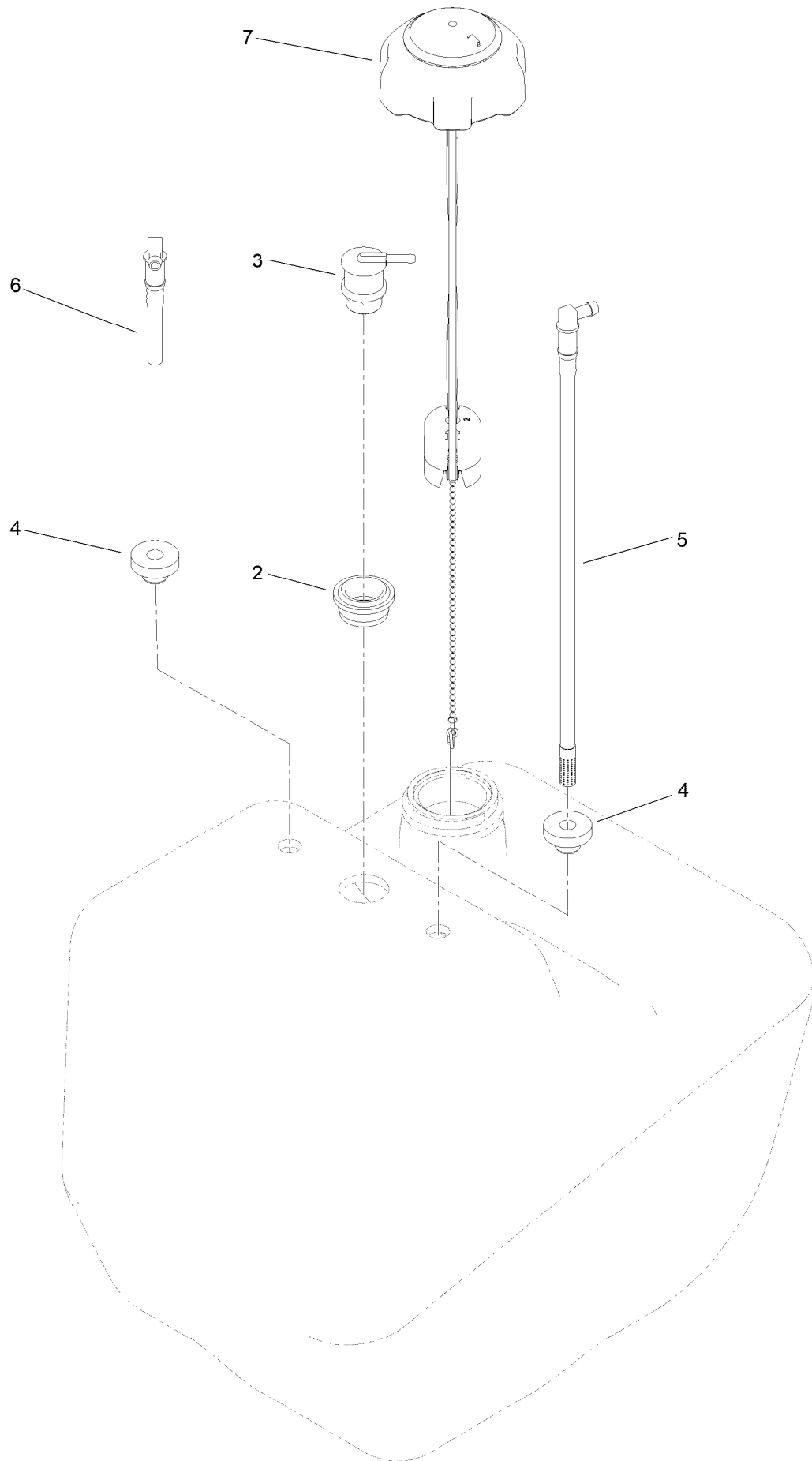
Fuel System Assembly



Fuel System Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	114-0292	1	Bracket-Canister, Carbon	13	144-5395	1	Fuel Tank ASM
2	32105-15	2	Screw-HWH	19	145-7058	1	Tank Bracket ASM
3	104-7201	2	Nut-HF, NI	19:2	131-8410	1	Decal-Danger, Fuel
4	127-8685	1	Canister-Carbon	20	3290-378	2	Tie-Cable
5	106-5317	1	Hose-Fuel	22	2412-98	6	Clamp-Hose
6	115-7854	1	Filter-Fuel, Inline	23	144-5355-03	1	Tank Support ASM
7	120-2038	1	Cartridge-Valve, Check	24	3230-4	1	Bolt-CARR
8	119-8149	1	Hose-Fuel	25	104-8300	2	Nut-HF, NI
9	110-5701	1	Hose-Fuel	26	139-4479	1	Screw-HHF
10	109-0282	1	Hose-Fuel	28	109-0304	1	Hose-Fuel
11	109-1395	1	Hose-Fuel	29	1-603770	1	Valve-Fuel
12	117-5399	1	Adaptor-Orifice				

Fuel Tank Assembly No. 144-5395



Fuel Tank Assembly No. 144-5395 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	114-0284	1	Grommet
3	114-0285	1	Valve-Rollover
4	46-6560	2	Bushing

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
5	115-9044	1	Pipe-Stand
6	145-7285	1	Fitting-Return, Fuel
7	131-8357	1	Cap-Gauge

Attachments and Accessories

For 08918 Vista 8 Passenger EFI Shuttle Vehicle

Product Name	Model/Part
Folding Windshield Kit	08220
Beige Canopy, Vista 8 Passenger Shuttle Vehicle	08223
Beacon Kit	08225
Turn Signal Kit	144-5587
Side Mirrors Kit	145-7140
Rear View Mirror Kit.....	08141
Wide Angle Mirror Kit.....	133-1038
Wide Angle Mirror Kit.....	133-1009
Shim-Limiter	119-0807
Universal Wireless Hourmeter Kit	144-2436
External Antenna Kit, Wireless Hourmeter System	115-9524
Base Station Kit, Wireless Hourmeter System	115-9542
Repeater Kit, Wireless Hourmeter System	115-9543
Cargo Box, Vista Shuttle Vehicle	08228

Notes:

Notes:

Notes:



Count on it.