



Form No. 3468-633 Rev D

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Parts Catalog

Haven™ Robotic 0.75 Acre Lawn Mower

Model No. 20459—Serial No. 324000111 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.

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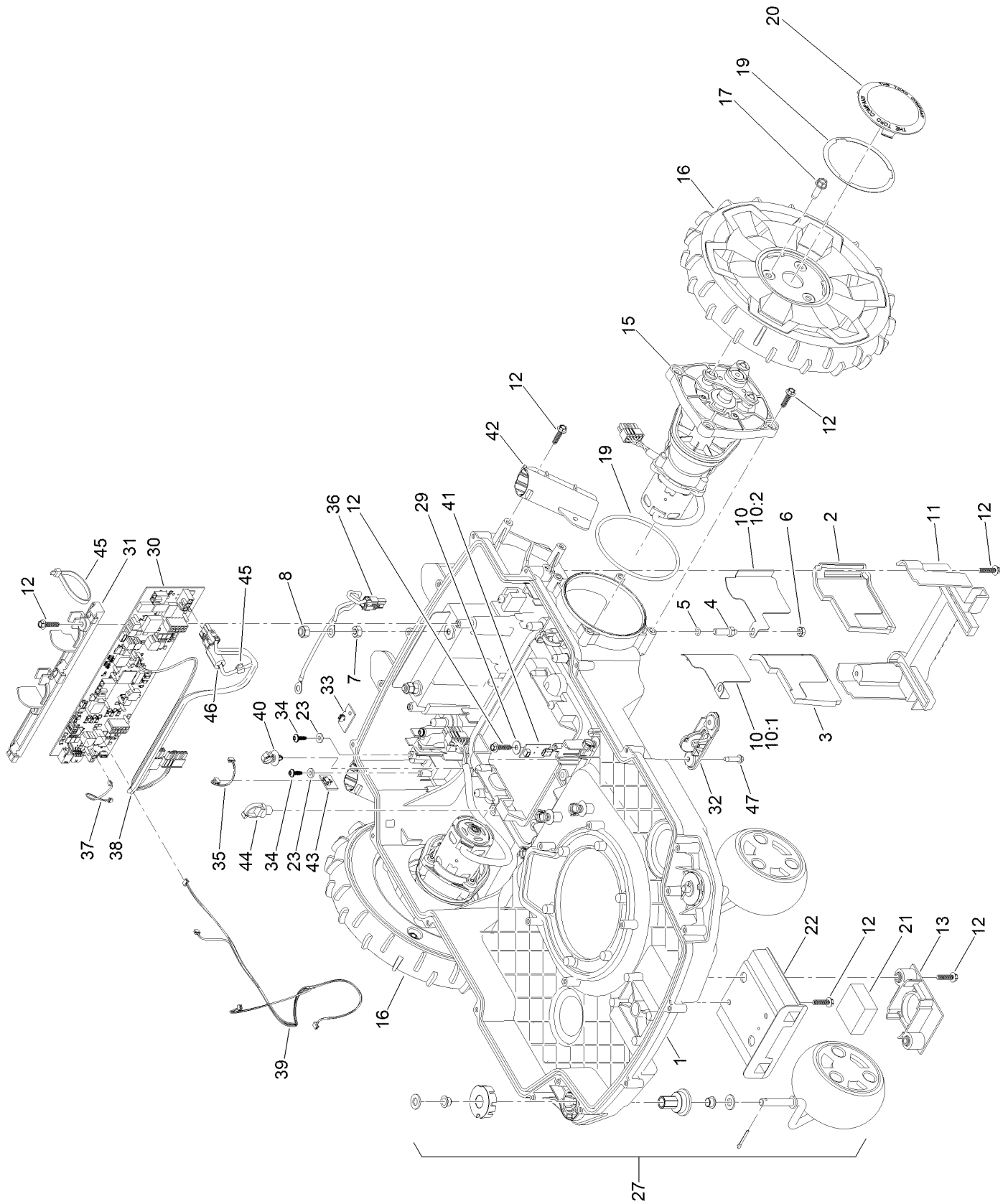
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Lower Chassis Assembly

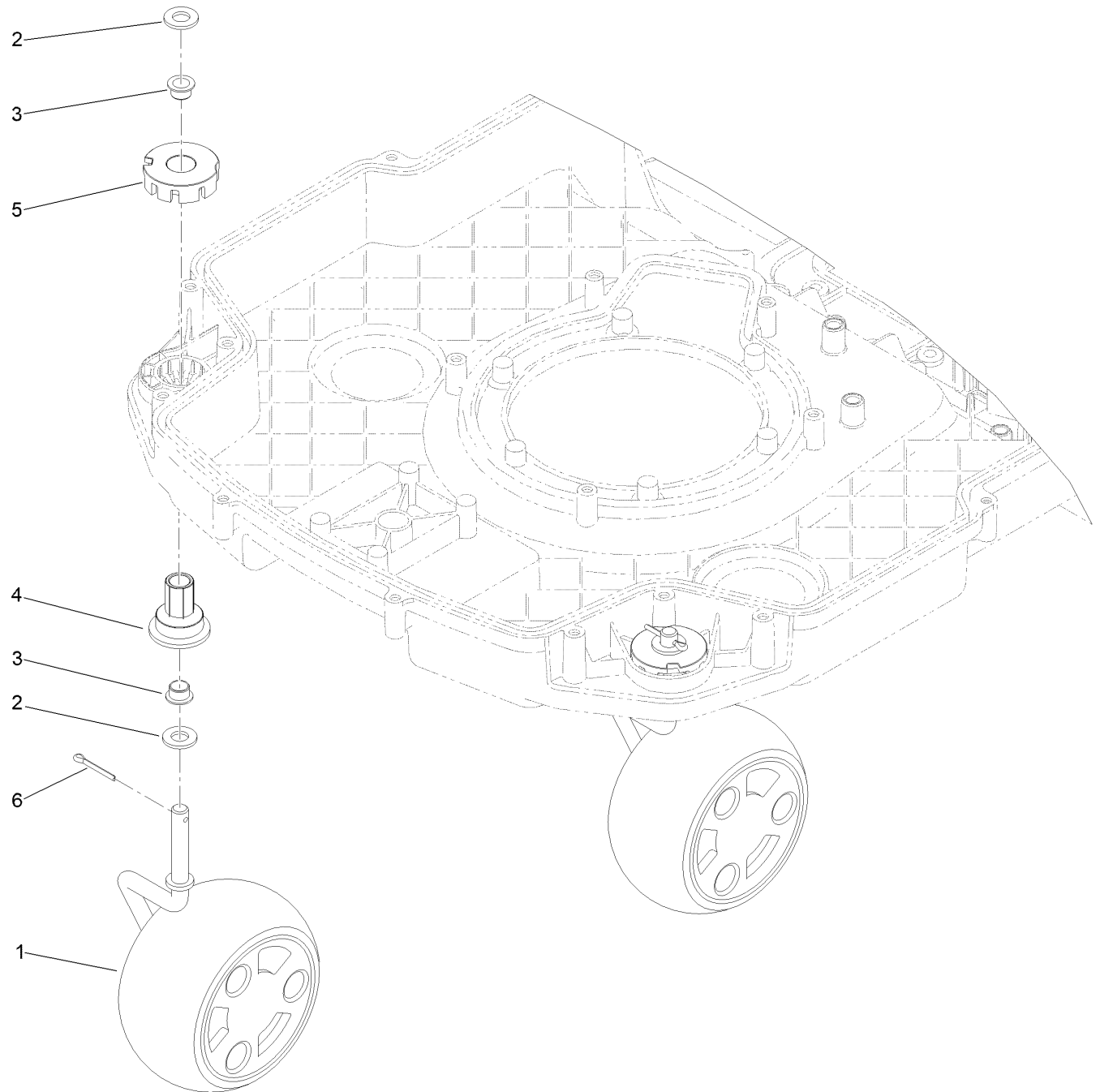


Lower Chassis Assembly (continued)

<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	138-5410	1	Chassis-Bottom	30	122-2530	1	P C A Module
2	145-4025	1	Conductor Block LH	31	145-5859	1	B H C Mount
3	145-4026	1	Conductor Block RH	32	140-4100	1	Reed Switch ASM
4	147-6413	2	Stud-Conductor	33	140-4101	1	P C A-Module, Reed Switch
5	138-8915	2	O-Ring	34	145-5837	3	Screw-Plastic,Tbfb
6	147-7730	2	Nut-Hex NI	35	147-0457	1	Harness-Wire, Handle Sensor
7	147-0578	2	Nut-Hex	36	139-5911	1	Harness-Wire Docking Terminals
8	137-3094	2	Nut-Hex	37	139-5907	1	Harness-Wire, Power Switch
10	147-6437	1	Conductor Plates ASM	38	139-6397	1	Harness-Wire, Battery Bundle
10:1		1	Conductor-RH ●	39	147-0503	1	Harness-Wire, Cutterhead
10:2		1	Conductor-LH ●	40	145-1460	6	Clip-Harness
11	145-5858	1	Chassis Handle	41	145-5872	1	Module-P C A, USB-C Diag Board
12	121-9102	30	Screw-HWH	42	147-2184	2	*obs* Holder-Tube, Handle
13	147-6385	1	Lid	43	122-2544	1	Module-P C A, Dual Analog Hall Sensor
15	147-6423	1	Motor-Drive	44	32180-030	2	Clip-Tie
16	147-6424	1	Traction Wheel ASM	45	3290-378	2	Tie-Cable
17	49-2040	6	Screw-HWHTF	46	32180-642	1	Ferrite-Core, Snap On
19	140-1348	2	Ring-Cap, Center	47	163-1919	3	Screw-Plastic, HWH
20	140-1349	2	Cap-Hub, Wheel				
21	147-6351	1	Foam-Dampening				
22	147-6378	1	Base				
23	94-3868	3	Washer-Flat				
27	163-1940	1	Front Caster Rework Kit				
29	364-1194	1	Washer-Nylon				

● Not serviced separately

Front Caster Rework Kit Assembly No. 163-1940

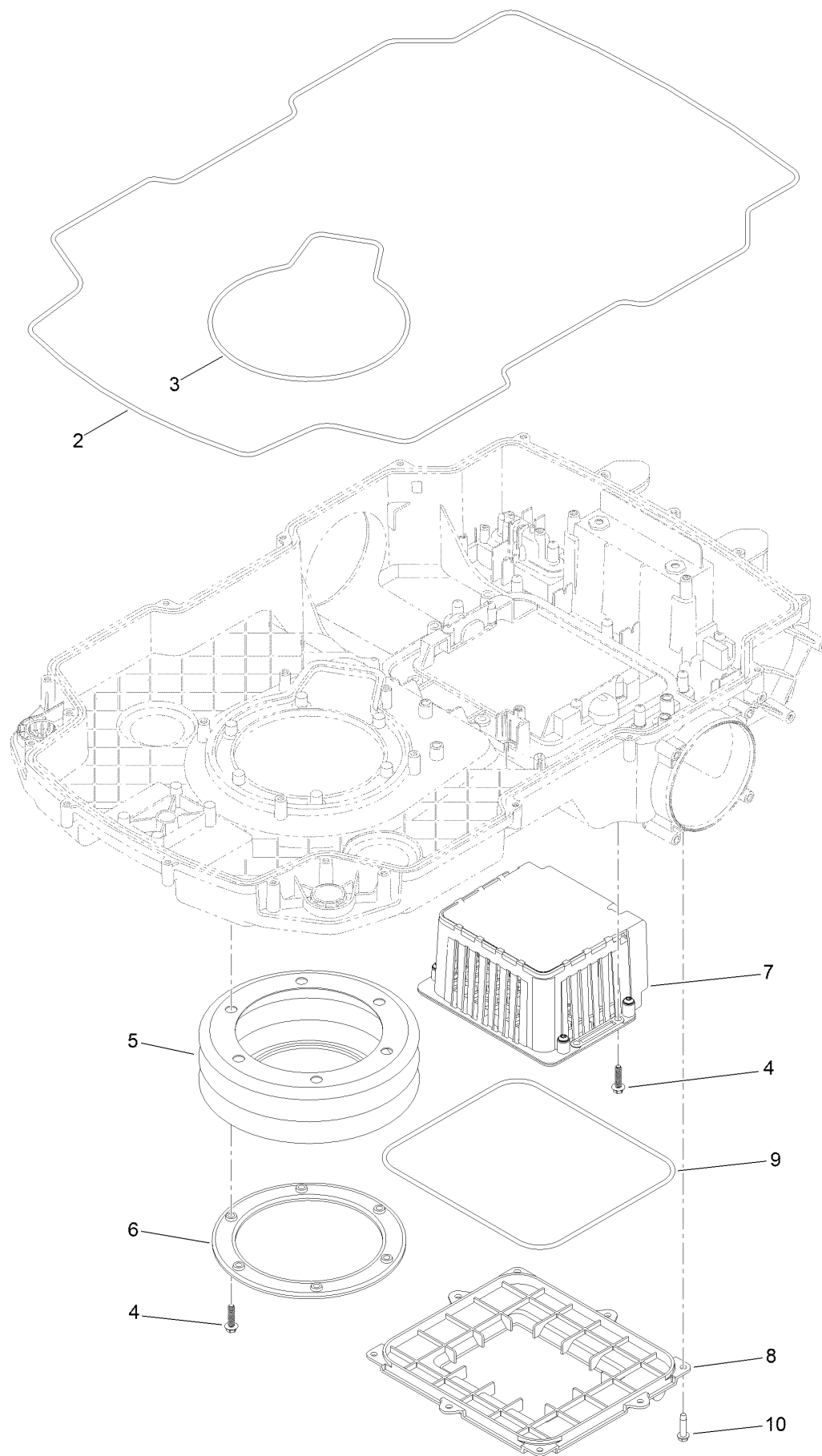


Front Caster Rework Kit Assembly No. 163-1940 (continued)

<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	163-1920	2	Wheel-Caster ASM	4		2	Support-Bearing, Lower ●
2	3256-74	4	Washer-Flat	5		2	Support-Bearing, Upper ●
3	138-5538	4	Bushing-Flange	6	120-9716	2	Pin-Cotter

● Not serviced separately

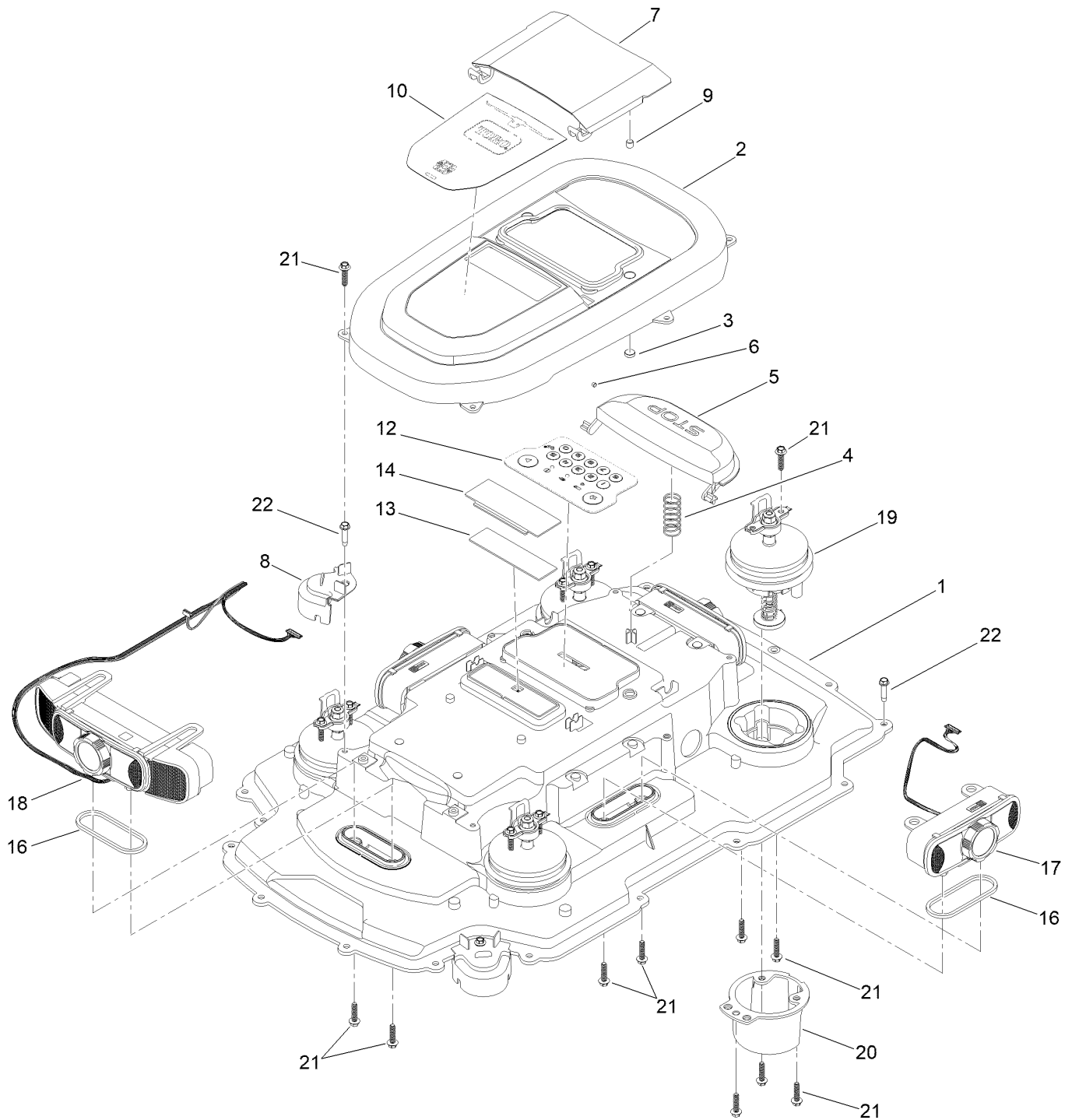
Lower Chassis Bellows and Battery Assembly



Lower Chassis Bellows and 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>
2	139-8932	1	O-Ring	7	147-6442	1	Battery ASM
3	139-8934	1	O-Ring	8	145-5854	1	Cover-Battery
4	121-9102	10	Screw-HWH	9	139-8935	1	O-Ring
5	140-3897	1	Bellows-HOC	10	163-1919	8	Screw-Plastic, HWH
6	139-6609	1	Seal-Ring				

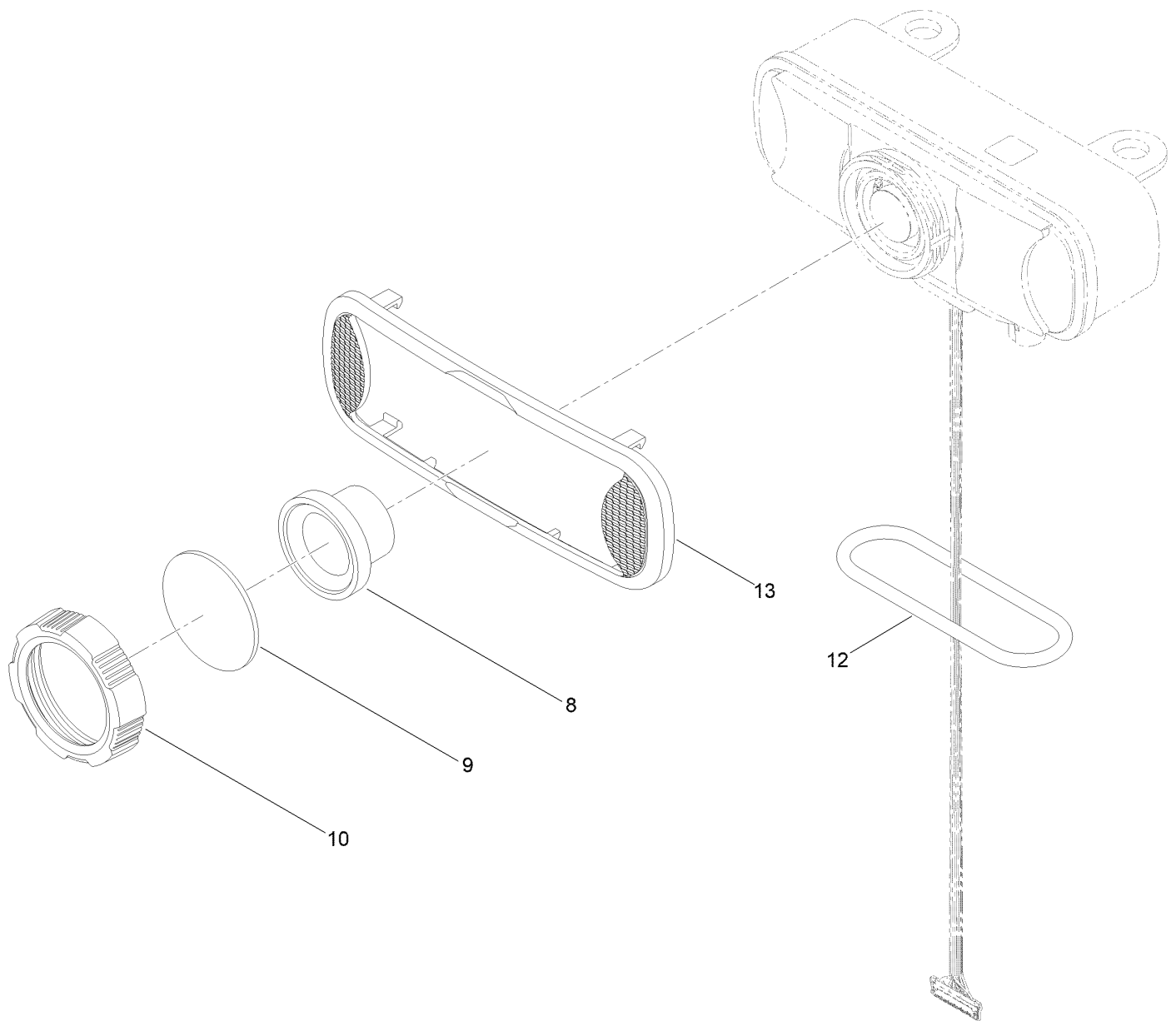
Upper Chassis Assembly



Upper Chassis 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	138-5411	1	Chassis-Top	13	145-5880	1	LED Running Light
2	147-2211	1	Cover-Chassis Top	14	147-0474	1	LED Cover
3	114-5896	2	Magnet	16	144-3176	4	Light Camera Module Gasket
4	145-3949	1	Spring-Compression	17	147-6426	1	Light Camera Module ASM
5	147-2206	1	Button-Stop	18	147-6428	1	Light Camera W/O Ultrasonic Sensors
6	138-5481	1	Magnet	19	138-7684	4	Lift Sensor ASM
7	147-2207	1	Cover-Keypad	20	144-6432	4	Retainer-Sensor
8	140-3944	2	Cover-Caster Wheel	21	121-9102	42	Screw-HWH
9	145-1522	2	Pin-Plain	22	163-1919	19	Screw-Plastic, HWH
10	144-6393	1	Decal-Brand, Top				
12	138-5428	1	Keypad				

Light Camera Module Assembly No. 147-6426

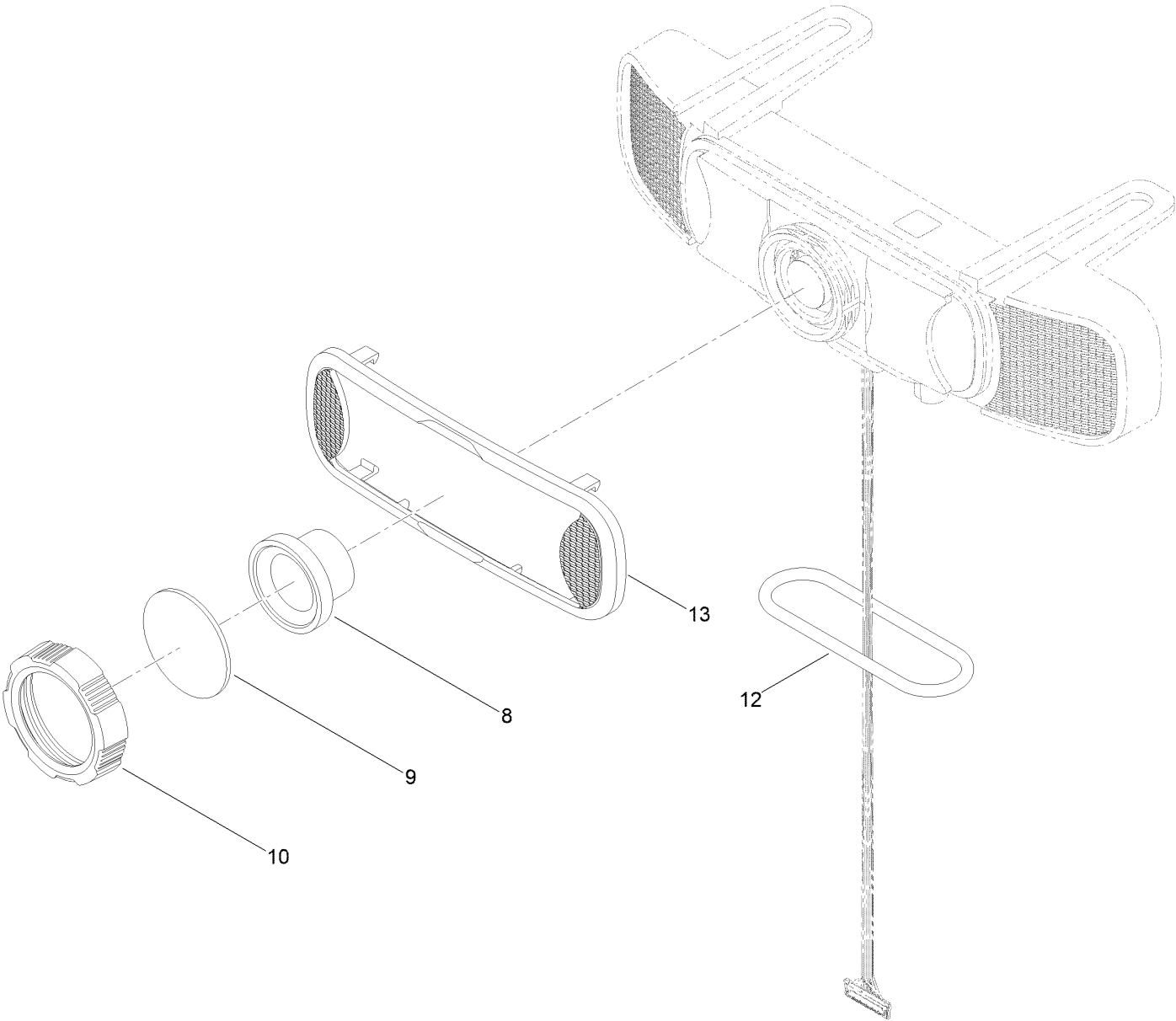


Light Camera Module Assembly No. 147-6426 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
8	144-6383	1	O-Ring
9	163-1945	1	Lens Protector Kit, 4-Pack
10	140-4132	1	Cap-Lens

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
12	144-6382	1	O-Ring
13	144-6363	1	Bezel

Light Camera Module w/o Ultrasonic Sensors
Assembly No. 147-6428



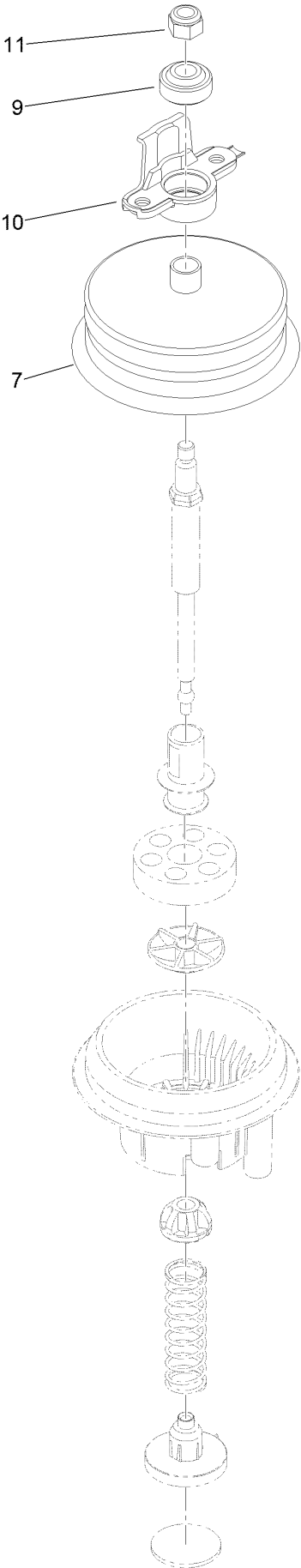
Light Camera Module w/o Ultrasonic Sensors

Assembly No. 147-6428 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
8	144-6383	1	O-Ring
9	163-1945	1	Lens Protector Kit, 4-Pack
10	140-4132	1	Cap-Lens

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
12	144-6382	1	O-Ring
13	144-6363	1	Bezel

Lift Sensor Assembly No. 138-7684

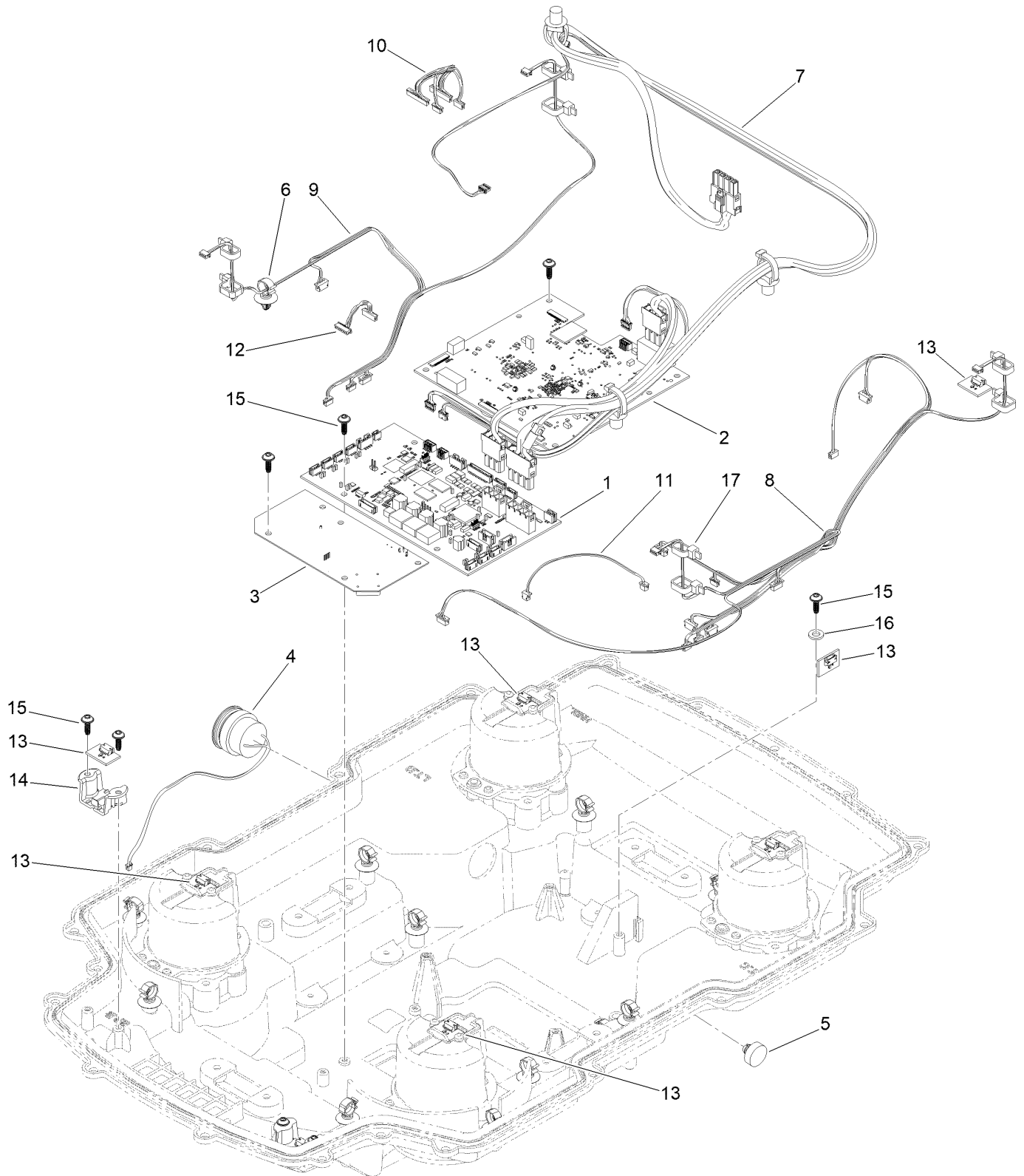


Lift Sensor Assembly No. 138-7684 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
7	138-7659	1	Bellow
9	144-6399	1	Bearing-Spherical

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	147-0430	1	Coupler
11	137-3094	1	Nut-Hex

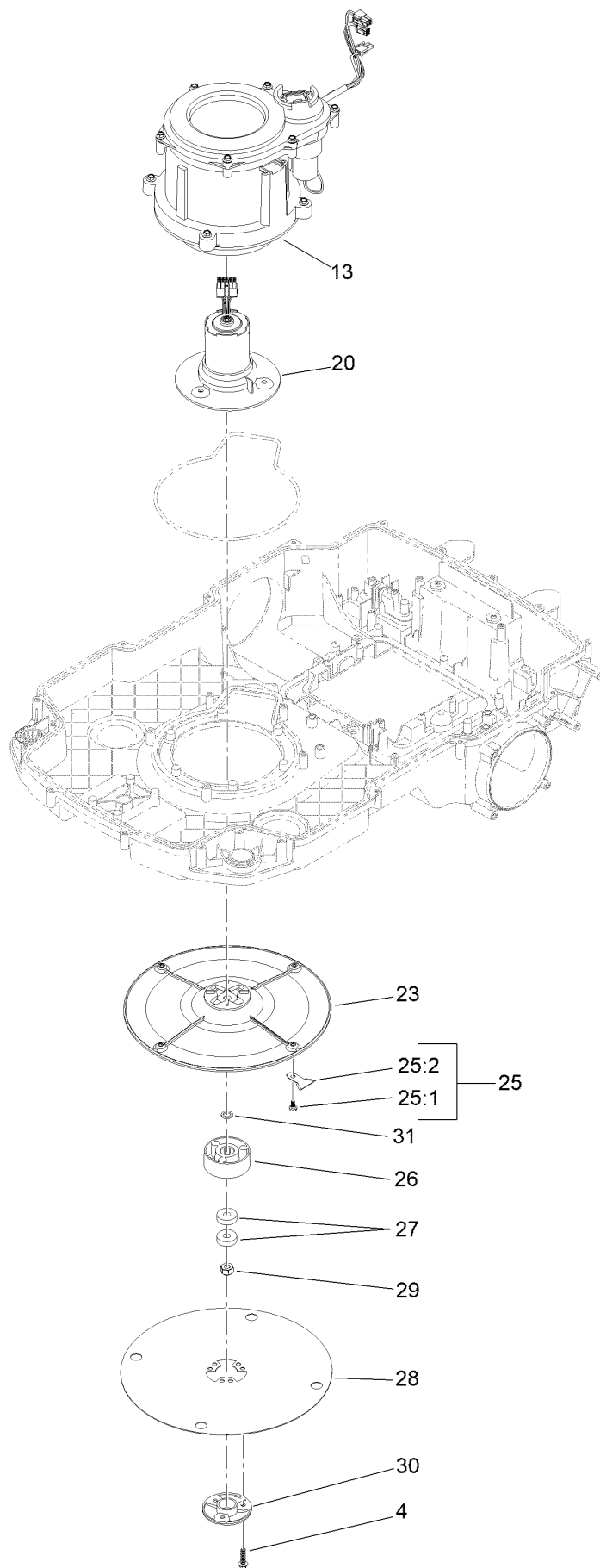
Upper Chassis Wiring Assembly



Upper Chassis Wiring 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	122-2523	1	Pca-Module, Trc-PI01	11	147-0460	1	Harness-Wire, Running Light
2	139-5492	1	Vision Control Board ASM	12	139-5906	1	Harness-Wire, Communications ASM
3	118-6999	1	Pcb, Pca-Com Ocb ASM	13	122-2544	7	Module-P C A, Dual Analog Hall Sensor
4	139-5946	1	Buzzer	14	145-1472	2	Holder-Sensor
5	144-0271	1	Vent-Snap In	15	145-5837	17	Screw-Plastic,Tbfb
6	145-1460	12	Clip-Harness	16	94-3868	1	Washer-Flat
7	163-1916	1	Harness-Wire, Bottom To Top	17	3290-378	8	Tie-Cable
8	139-6399	1	Harness-Wire, RH Top				
9	139-6400	1	Harness-Wire, LH Top				
10	139-6378	1	Harness-Wire, Key Pad				

Cutting System Assembly



Cutting 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>
4	121-9102	24	Screw-HWH	25:2		4	Blade ●
13	147-6430	1	HOC ASM	26	147-6431	1	Disc Mount ASM
20	140-3786	1	Cutter Motor ASM	27	140-4099	2	Bearing-Ball
23	145-5833	1	Blade Disc With Inserts ASM	28	144-6418	1	Guard-Disc, Blade
25	147-6432	1	Blade ASM	29	119-4038	1	Nut-Hex
25:1		4	Screw-Shoulder, PH/Sp ●	30	144-6417	1	Nut-Cover, Blade
				31	75-5470	1	Spacer-Bearing

● Not serviced separately

This exploded view diagram illustrates the assembly of a water pump. The components are numbered as follows:

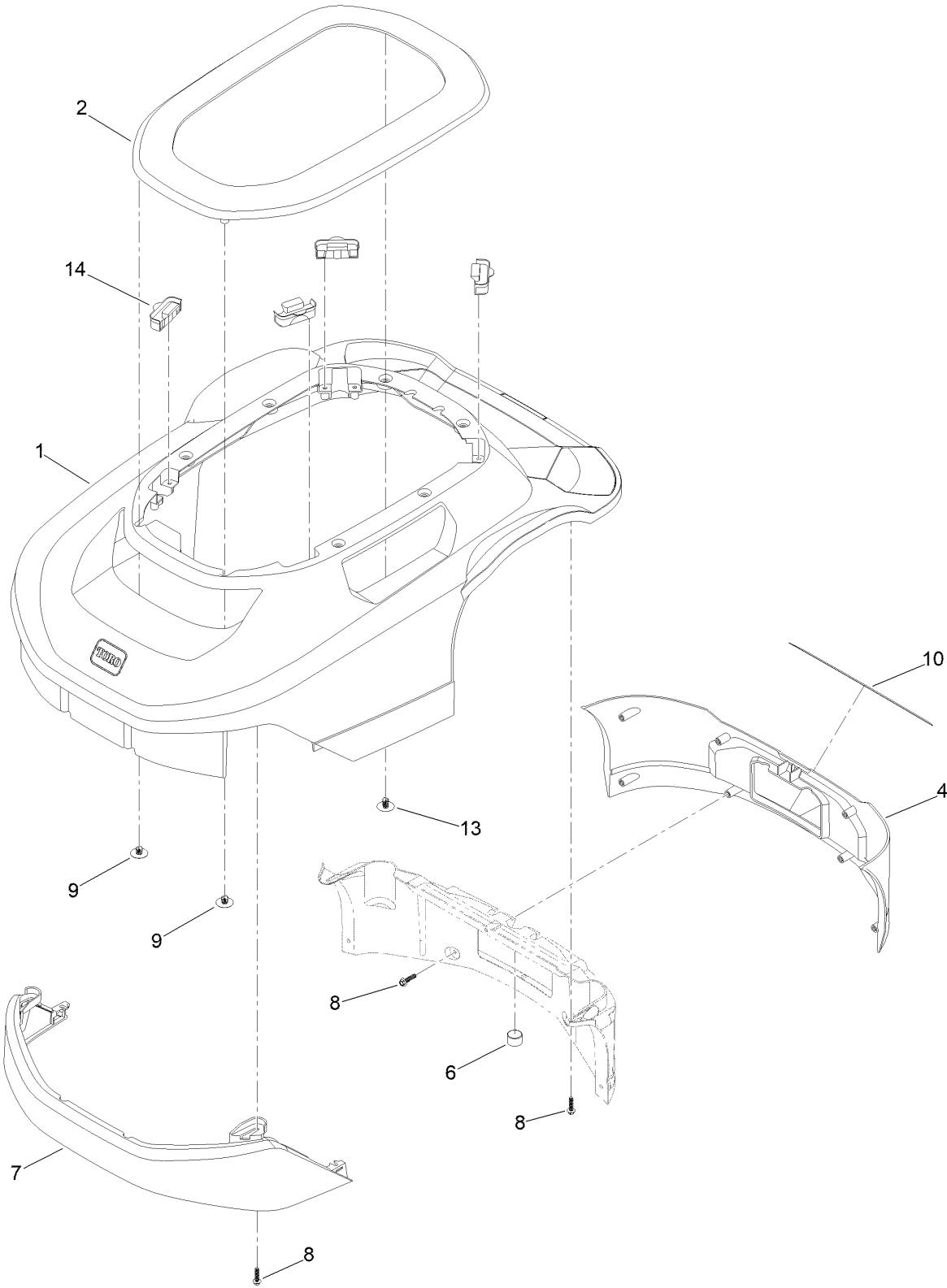
- 1**: Upper housing or impeller cover.
- 2**: Impeller or pump wheel.
- 3**: Lower housing or base.
- 4**: Motor or drive unit.
- 5**: Screws or fasteners used for assembly.
- 6**: Impeller nut or lock washer.
- 7**: Impeller shaft or pin.
- 8**: Impeller key or pin.
- 9**: Impeller seal or O-ring.
- 10**: Impeller gasket or seal.
- 11**: Impeller housing or flange.
- 12**: Impeller nut or lock washer.
- 13**: Impeller key or pin.
- 14**: Impeller seal or O-ring.
- 15**: Impeller gasket or seal.
- 16**: Impeller housing or flange.
- 17**: Impeller nut or lock washer.
- 18**: Impeller key or pin.
- 19**: Impeller seal or O-ring.
- 20**: Impeller gasket or seal.

Height-of-Cut Assembly No. 147-6430 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	139-8934	1	O-Ring
3	139-8941	1	O-Ring
5	121-9102	18	Screw-HWH
6	145-5837	1	Screw-Plastic, Tbfh
12	138-5481	3	Magnet
14	140-4035	1	O-Ring

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
15	139-8997	1	Gasket-Motor, HOC
16	138-5454	1	Motor-HOC
17	145-3948	6	Screw-Php
18	140-1343	1	Hub-Gear
19	140-1342	1	Gear-Motor, HOC

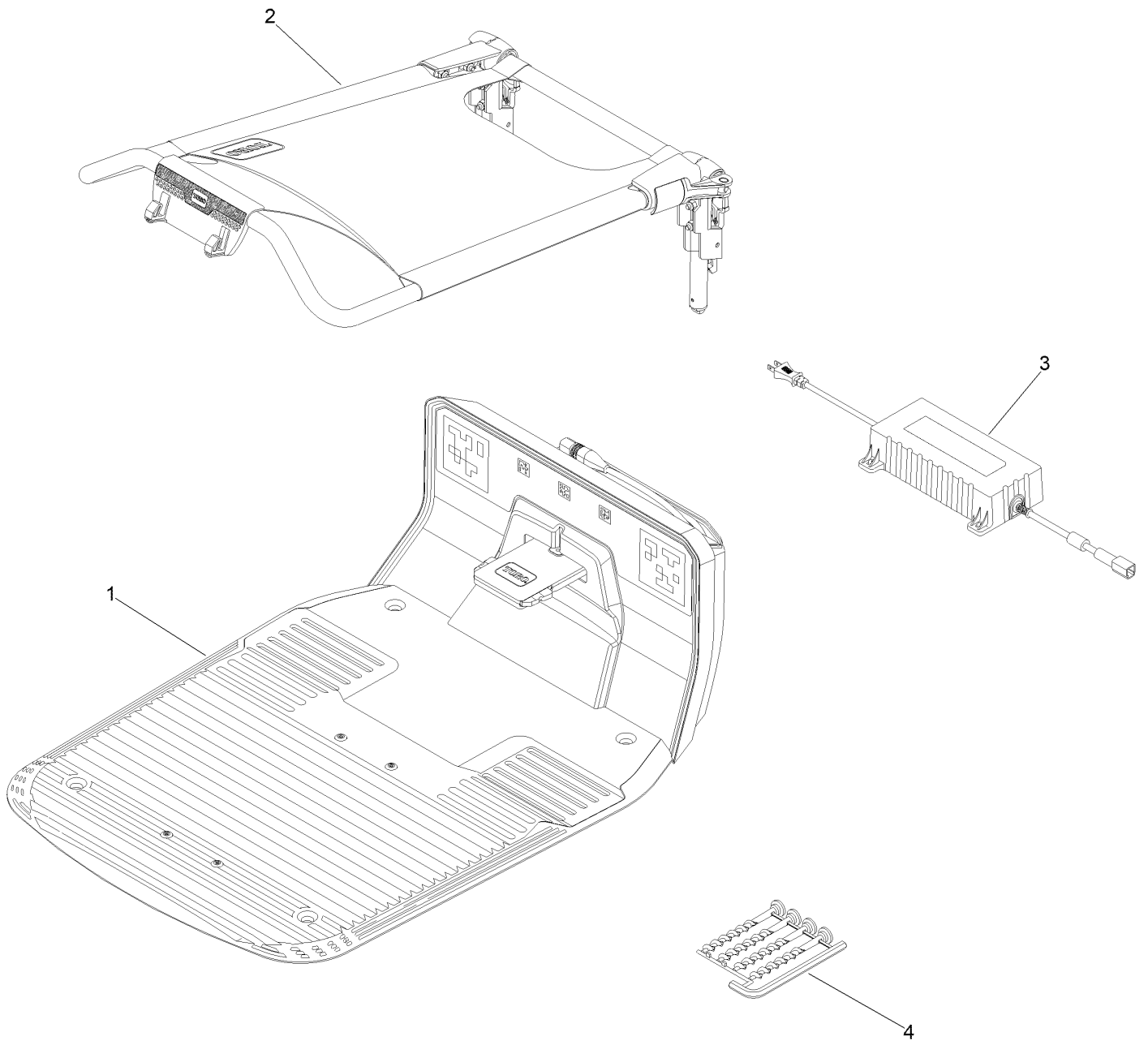
Shroud Assembly



Shroud 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	161-4836	1	Shroud ASM	8	121-9102	19	Screw-HWH
2	147-2203	1	Shroud, Body-Lid	9	130-6721	2	Clip-Tree
4	147-6389	1	Rear Shroud ASM	10	140-4055	1	Decal-Warning
6	147-6375	1	Magnet-N35	13	161-3175	6	Clip-Tree
7	147-6356	1	Shroud, Front Bumper	14	147-6393	4	Coupler-Boot

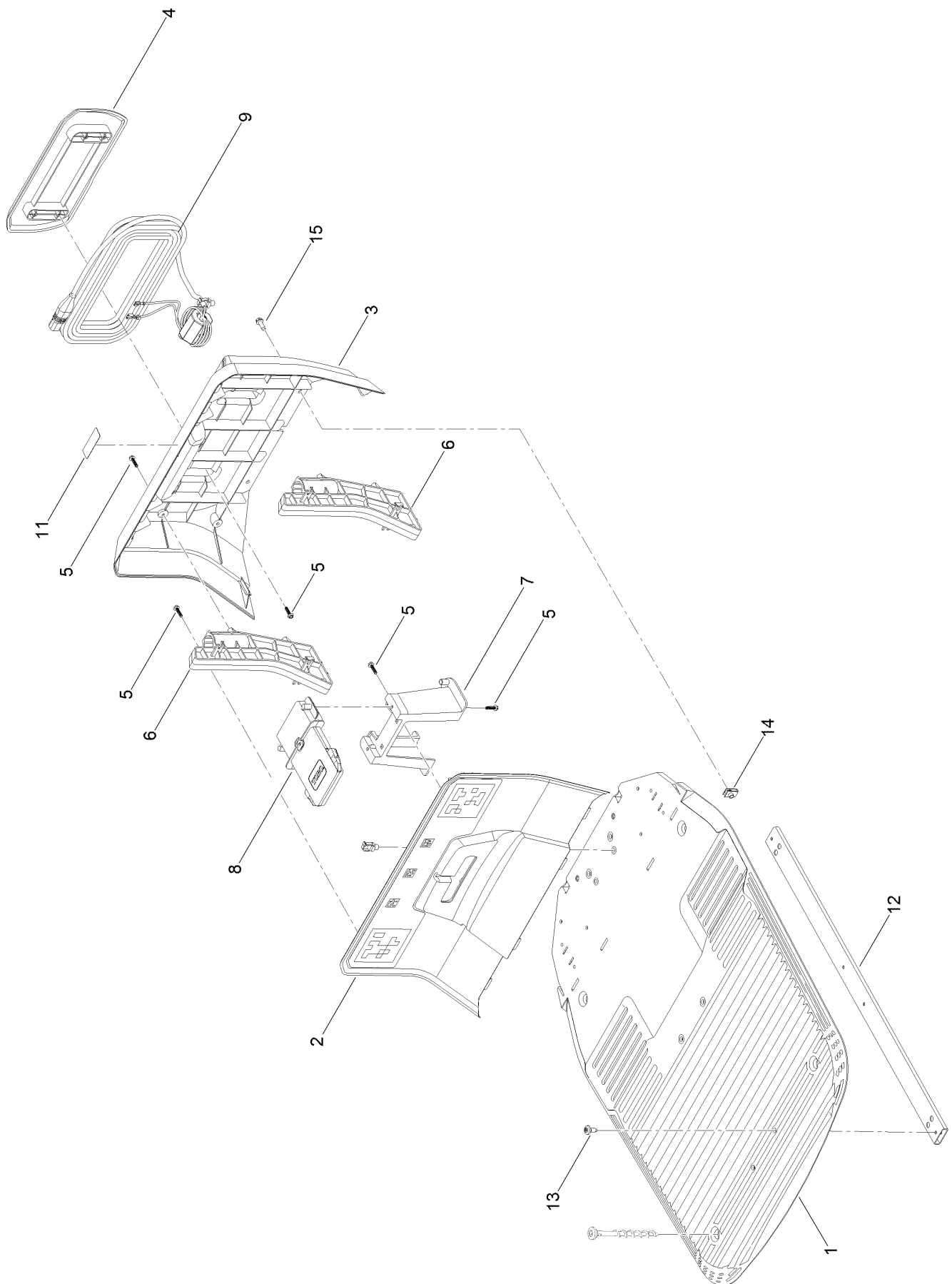
Charging Station Assembly



Charging Station 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	161-4847	1	Charging Base ASM	3	140-3842	1	Power Supply
2	161-4848	1	Handle ASM	4	145-1741	1	Stake-Ground

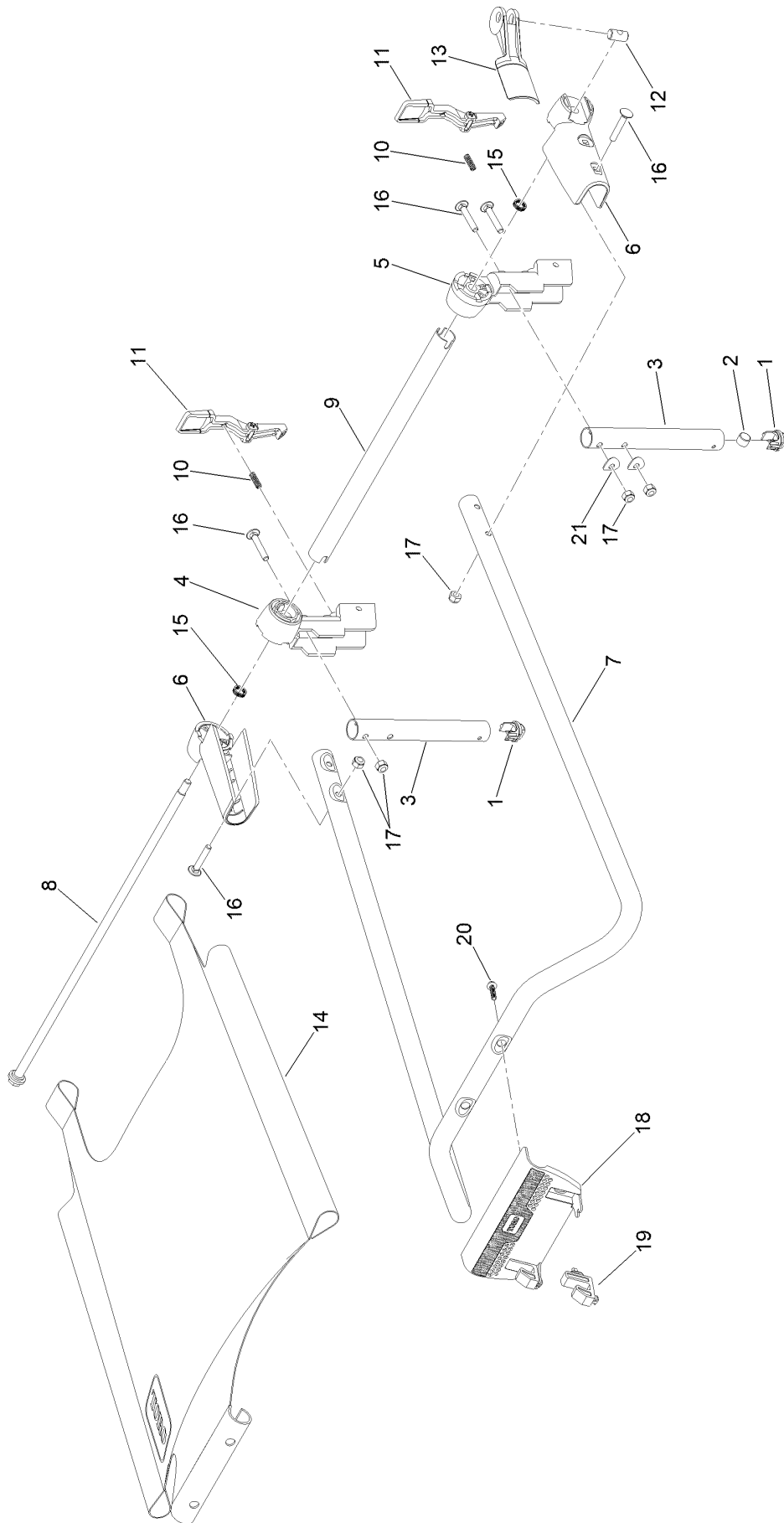
Charging Base Assembly No. 161-4847



Charging Base Assembly No. 161-4847 (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	147-2241	1	Base-Charger	9	163-1908	1	Harness-Wire, Power Supply Cable ASM
2	147-6433	1	Panel-Front, Charger	11	137-9705	1	Decal-Charger
3	147-6434	1	Panel-Rear, Charger	12	147-6415	2	Tube-Stiffener
4	147-2245	1	Wrap-Cord, Charger	13	120-7950	6	Screw-Torx
5	121-9102	28	Screw-HWH	14	107069	2	Clip
6	147-2246	2	Bracket-Handle	15	49-2040	2	Screw-HWHTF
7	147-2247	1	Mount-Housing, Conductor				
8	145-4041	1	Conductor Housing ASM				

Handle Assembly No. 161-4848



Handle Assembly No. 161-4848 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	147-2191	2	Retainer-Magnet
2	147-2215	1	Magnet-N35
3	147-6436	2	Tube-Lower
4	147-2232	1	Mount-Handle, LH
5	147-2233	1	Mount-Handle, RH
6	147-2231	2	Mount-Handle
7	147-2189	1	Handle-Upper
8	147-6400	1	Rod-Handle
9	147-2220	1	Spanner-Handle
10	147-2153	2	Spring-Compression
11	147-2234	2	Lever-Release

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
12	147-2225	1	Fitting-Cam, 5/16 X 18
13	147-2224	1	*obs* Lever-Lock, Cam
14	147-2190	1	Canopy-Base
15	161-3176	2	Spring-Wave
16	137-3011	8	Bolt-CARR
17	137-3094	8	Nut-Hex
18	147-6350	1	Tray-Phone
19	147-2194	2	Clip-Holder
20	121-9102	2	Screw-HWH
21	147-6446	4	Washer-Curved

Attachments and Accessories

For 20459 Haven Robotic 0.75 Acre Lawn Mower

Product Name	Model/Part
Blade Assembly	147-6432
Lens Protector Kit, 4-Pack	163-1945

Notes:

Notes:

Notes:



Count on it.