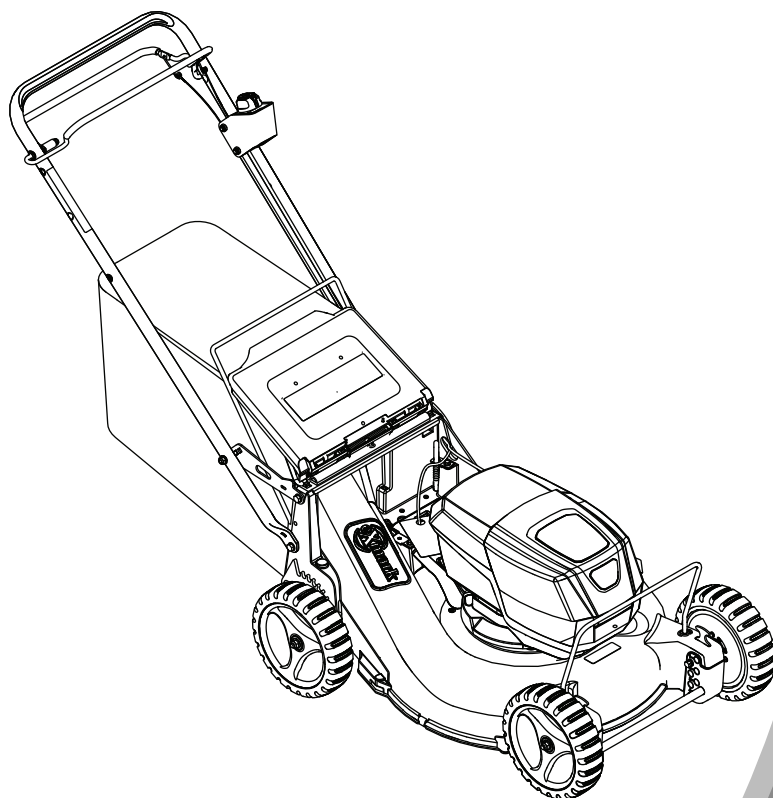




COMMERCIAL 21 V-SERIES

Model No. ECV060B0121000—Serial No. 411294212 and Up

Picture below may not reflect actual product.



Parts Manual

Part No. 4506-100 Rev. A

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.

Touch Up Paint

Exmark black touch up spray paint – gloss black.

Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140).

Contents

Deck and Wheel Assembly 4

Handle Assembly 6

Bag and Door Assembly 8

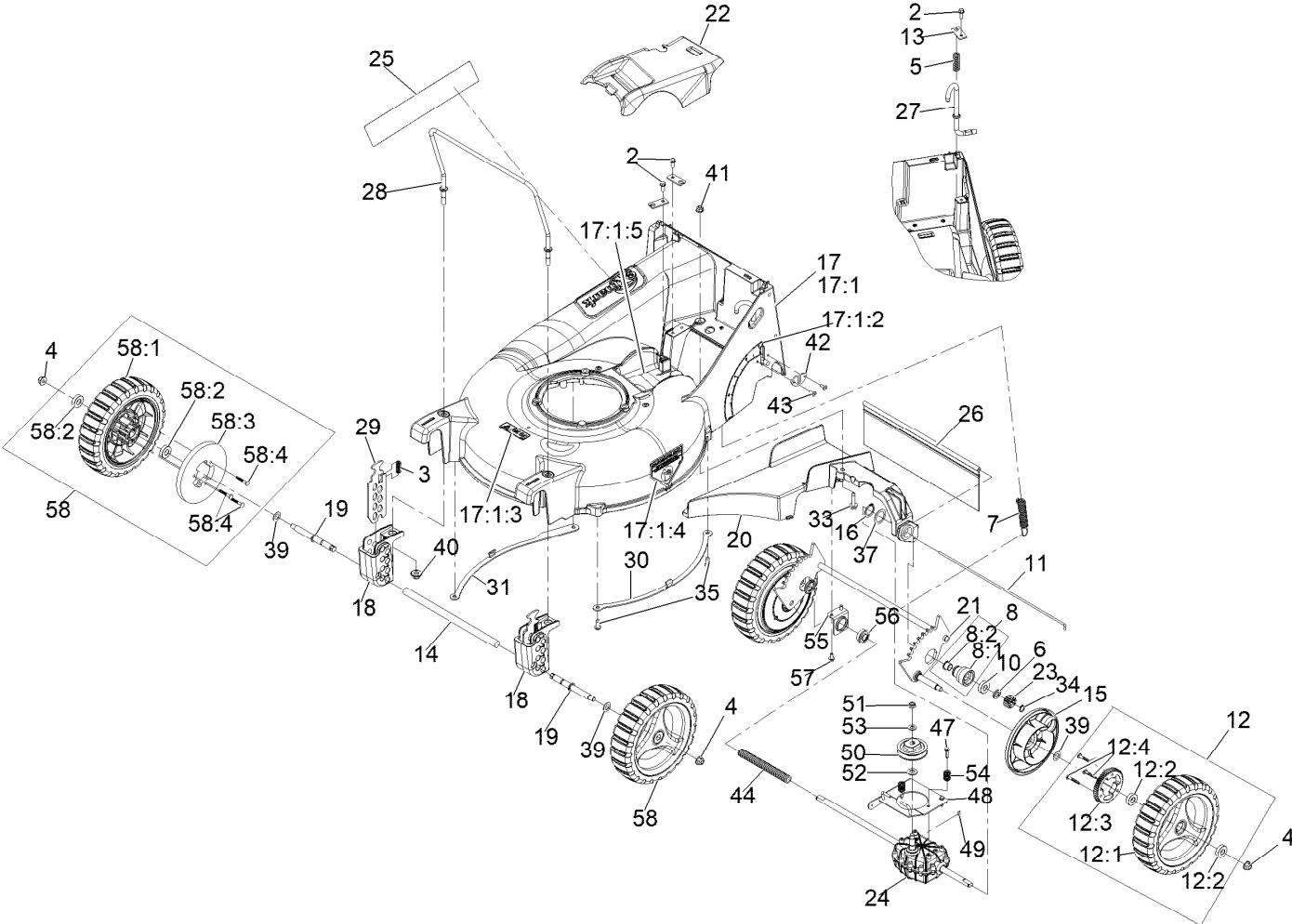
Blade Assembly 10

Electric Motor Assembly 12

Motor Module 14

Shroud and Hood Assembly 16

Deck and Wheel Assembly

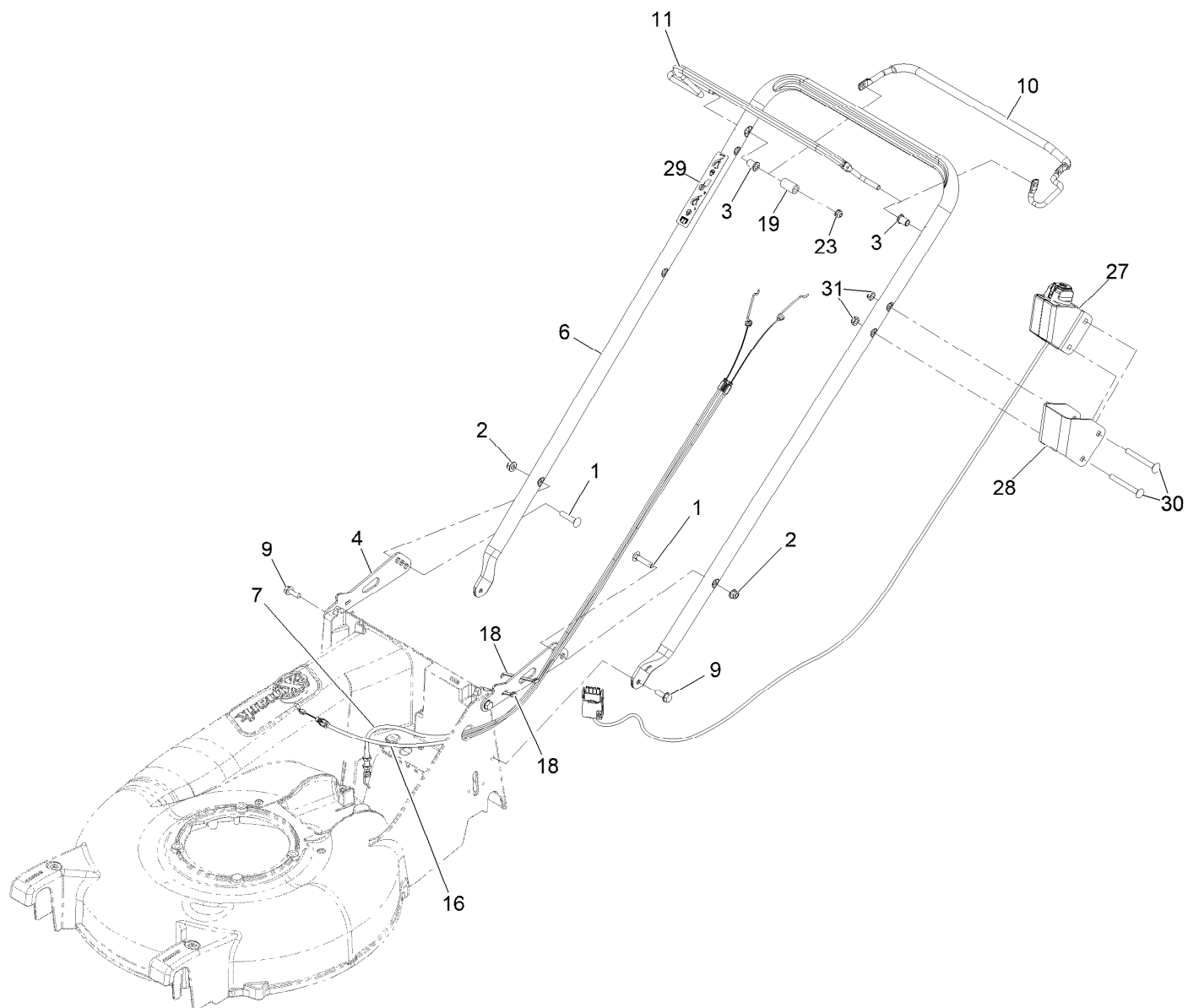


Deck and Wheel Assembly (continued)

<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	32144-85	2	Screw-HWH 1/4-20 X .62	26	116-0252	1	Shield-Trailing P21
3	109-7258	2	Spring-Compression	27	116-0329	1	Rod-Height Adj P21
4	104-8301	4	Nut-Nyloc 3/8-16 Flg	28	142-8517	1	Guard-Front Motor
5	109-7694	1	Spring-Compression	29	109-9292	2	Plate, Front Height
6	108-5059	2	Spacer-Bushing	30	116-0995-03	1	Skid,LH
7	109-7692	1	Spring-Extension	31	116-0996-03	1	Skid,RH
8	116-6172	2	Housing ASM	33	32144-49	1	Screw-HWH 5/16-18 1 1/4 Tf
8:1	116-6171	1	Housing-Bearing	34	32151-61	2	Ring-Retaining
8:2	116-4279	1	Bearing-Flange	35	613381	4	Screw-Button Head 5/16-18 X .725 Tf
10	133-2603	2	Bearing-Ball	37	74-1810	2	Washer
11	109-8025	1	Rod,Shield	39	36-4780	4	Washer
12	126-7758	2	Wheel ASM, 9 W/Gear	40	109-6658	2	Nut-Nyloc 3/8-16 Flg
12:1	126-7345	1	Wheel ASM, 9"	41	104-8300	1	Nut-Nyloc 5/16-18 Flg
12:2	133-2603	2	Bearing-Ball	42	116-2221	1	Plate,Wear
12:3	133-2625	1	Gear-Wheel, 52T	43	114439	2	Rivet
12:4	130-6426	3	Stud-Drive	44	126-2335	1	Cover-Shaft-Drive
13	109-8441	2	Bracket,Mount	47	27-0220	3	Screw-Special
14	109-8454	1	Rod,Bumper	48	116-3539-03	1	Transmission Plate ASM
15	126-8259	2	Cover,Gear	49	3257-1	1	Key-Woodruff 1/8 X 1/2
16	32151-36	2	Ring-Retaining	50	39-6740	1	Pulley
17	142-8690	1	ASM-Deck Ec21	51	3296-5	1	Nut-Nyloc 3/8-24 Thin
17:1		1	ASM-Deck Ec21 ●	52	36-4792	1	Washer-Thrust
17:1:2	116-1922	1	Decal-Height Of Cut	53	3256-45	1	Washer-Flat
17:1:3	130-9670	1	Decal-Warning, Blade	54	116-1438	2	Spring,Compression
17:1:4	94-8072	1	Decal-Danger	55	138-3233	1	Mount-Bearing
17:1:5	119-0217	1	Decal-Danger	56	104-8699	1	Bearing-Ball
18	109-9302	2	Block,Front Quadrant	57	9266714	2	Screw-HWH 1/4-20 X 1/2
19	116-0994	2	Axle-Wheel	58	146-0300	2	ASM-Wheel W/ Weight
20	116-9646-01	1	Bracket-Transmission And Chute	58:1	126-7345	1	Wheel ASM, 9"
21	109-9312	1	Wld,Rear Axle P21	58:2	133-2603	2	Bearing-Ball
22	142-8669	1	Cover-Belt	58:3	142-8713-03	1	Weight-Wheel
23	131-5399	2	Gear-Pinion, 15T	58:4	130-6426	3	Stud-Drive
24	116-9906	1	Transmission-HD, 4.5/1				
25	146-0505	1	Decal-Commercial 21 V-Series				

● Not serviced separately

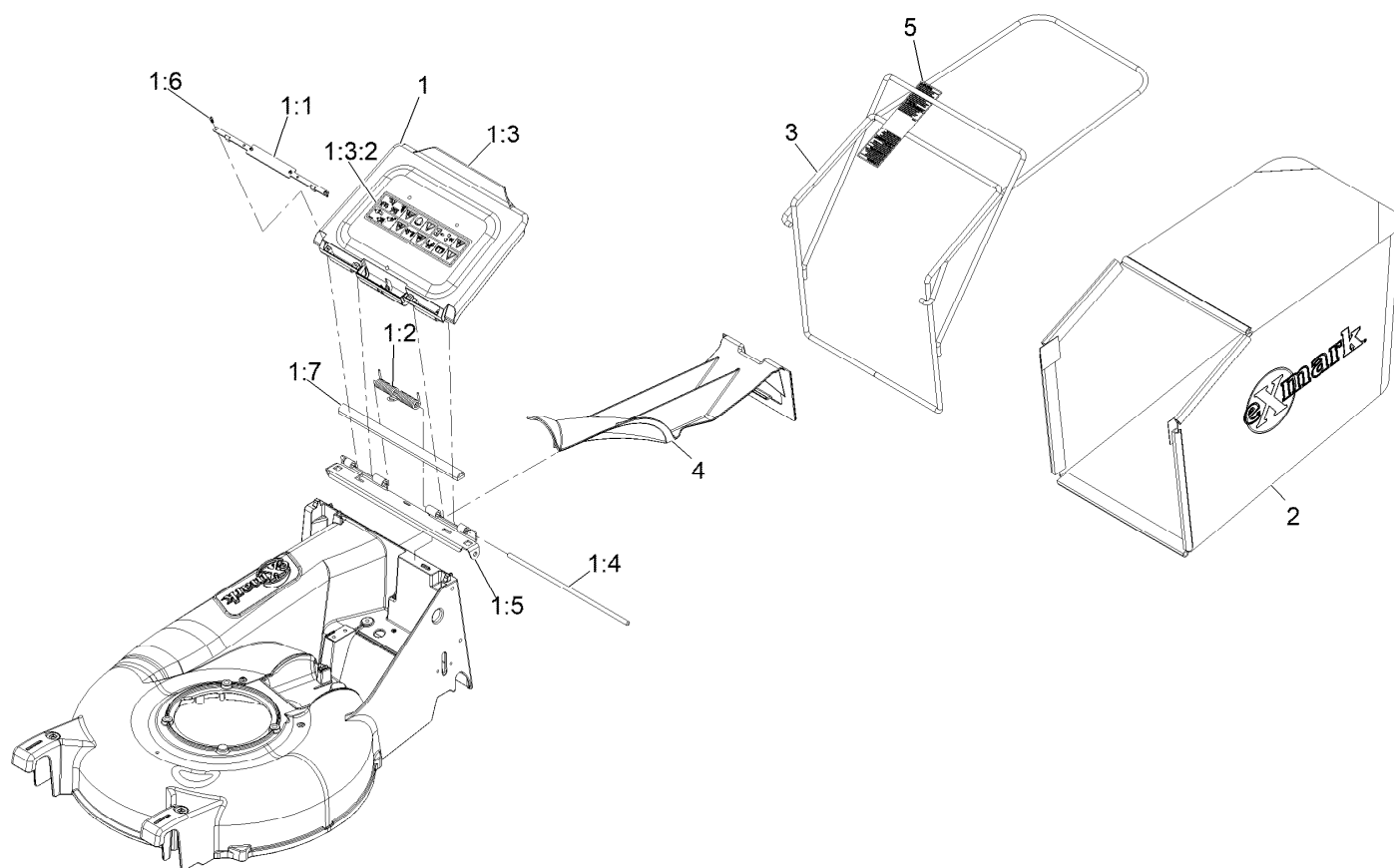
Handle Assembly



Handle 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	33-5790	2	Bolt-Carriage 5/16-18 X 1 1/2	16	142-8712	1	Cable-OPC
2	104-8300	2	Nut-Nyloc 5/16-18 Flg	18	614249	2	Tie-Cable
3	116-1478	2	Bushing-Handlebar	19	1-603401	1	Spacer
4	109-9323-03	2	Bracket,Handlebar	23	104-7201	1	Nut-Nyloc 1/4-20 Flg
6	142-8709-03	1	Handlebar-Ec21	27	142-8643	1	ASM-Starter Switch
7	126-7397	1	Cable, Drive Ec21	28	142-8658-03	1	Guard-Switch
9	32144-41	4	Screw-HWH 3/8-16 X 7/8 Taptite	29	144-3175	1	Decal-Controls (60V Start)
10	116-7907	1	Bail-Drive Coated	30	3230-9	2	Bolt-Carriage 5/16-18 X 2 3/4
11	109-8442	1	Bail	31	3296-47	2	Nut-Nyloc 5/16-18 Thin

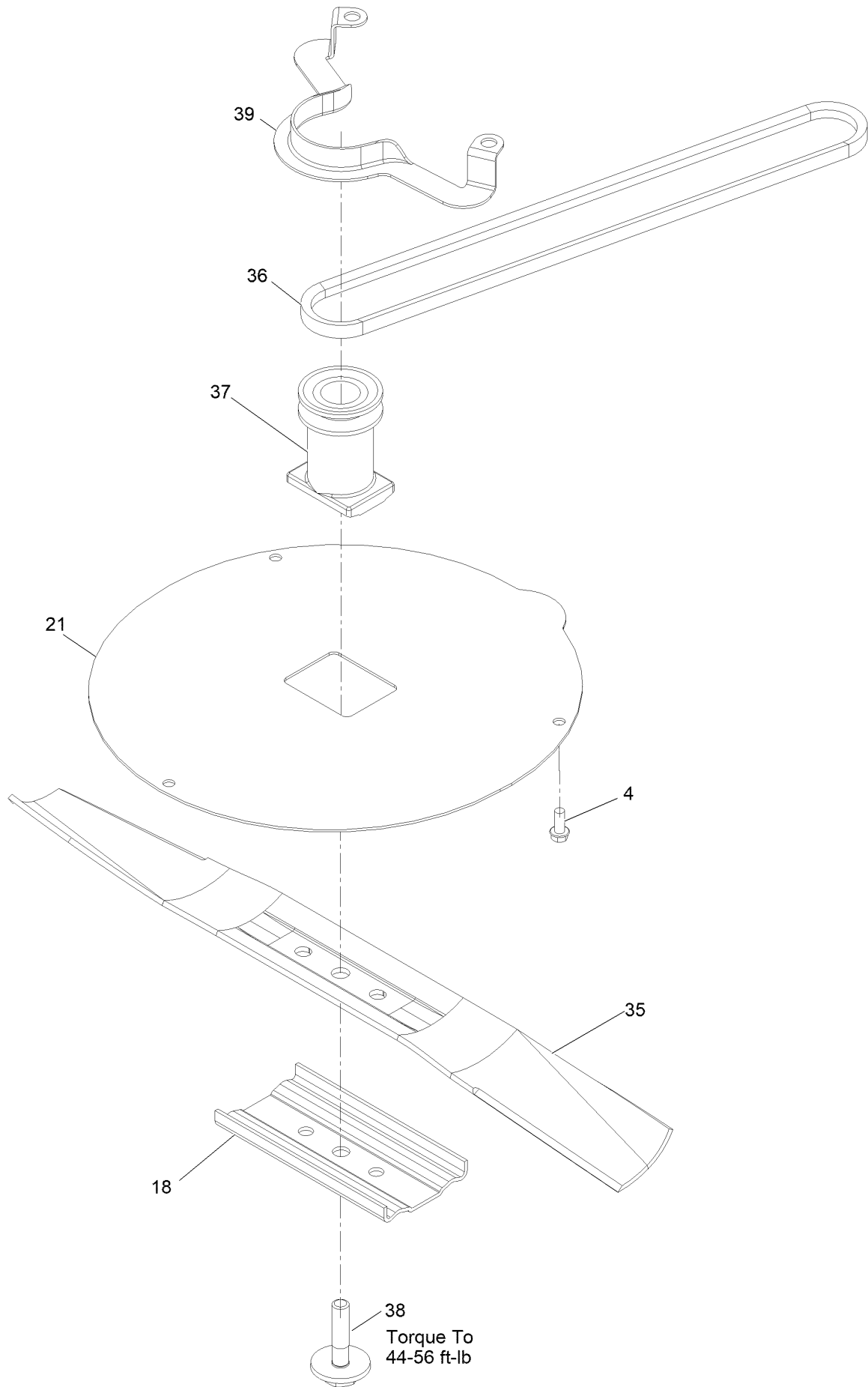
Bag and Door Assembly



Bag and Door 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	126-6086	1	Door ASM	1:6	363-1596	4	Screw-PPHTF #6-19 X 7/16
1:1	126-2628-03	1	Plate, Door Cover	1:7	126-5438	1	Seal-Epdm Foam Bulb
1:2	126-2627	1	Spring-Plastic Door	2	126-2630	1	Bag-Grass Ec21
1:3	126-4200	1	ASM-Door & Decal	3	126-2631-03	1	Wld-Bag Frame
1:3:2	116-7583	1	Decal-Warning	4	116-0251	1	Plug,Mulch
1:4	126-2635	1	Pin-Door Pivot	5	139-8986	1	Decal-Warning (Bag)
1:5	126-2636-03	1	Bracket-Door Pivot				

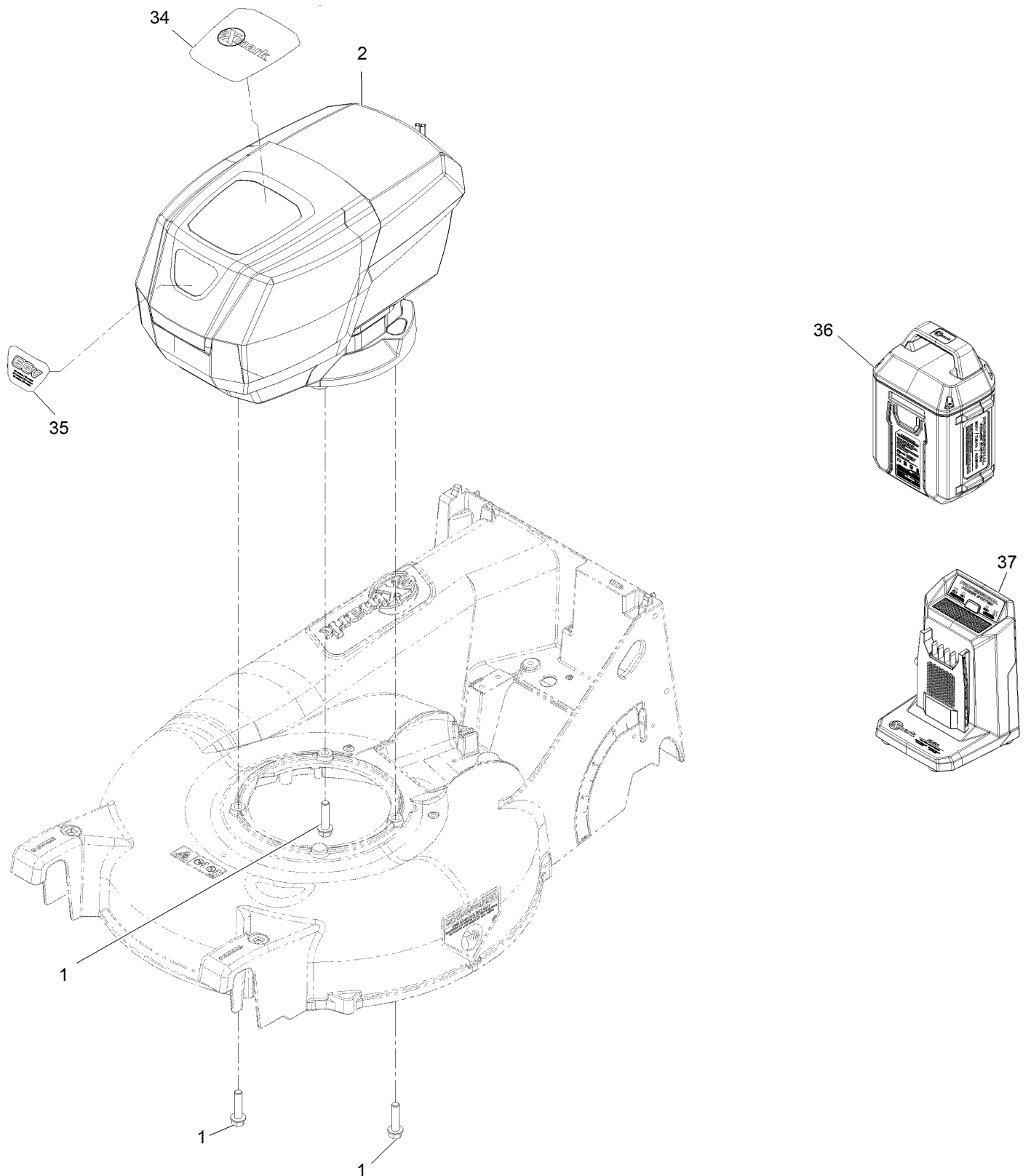
Blade Assembly



Blade 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	32144-85	3	Screw-HWH 1/4-20 X .62	36	109-7299	1	Belt,3L P21 Drive
18	108-3766-03	1	Support-Blade	37	109-7257	1	Blade-Adapter
21	116-3503-03	1	Cover-As	38	116-0005	1	Bolt-Blade, Sem
35	142-6457	1	Blade-Bagging 21 In	39	108-8110-03	1	Guide-Belt

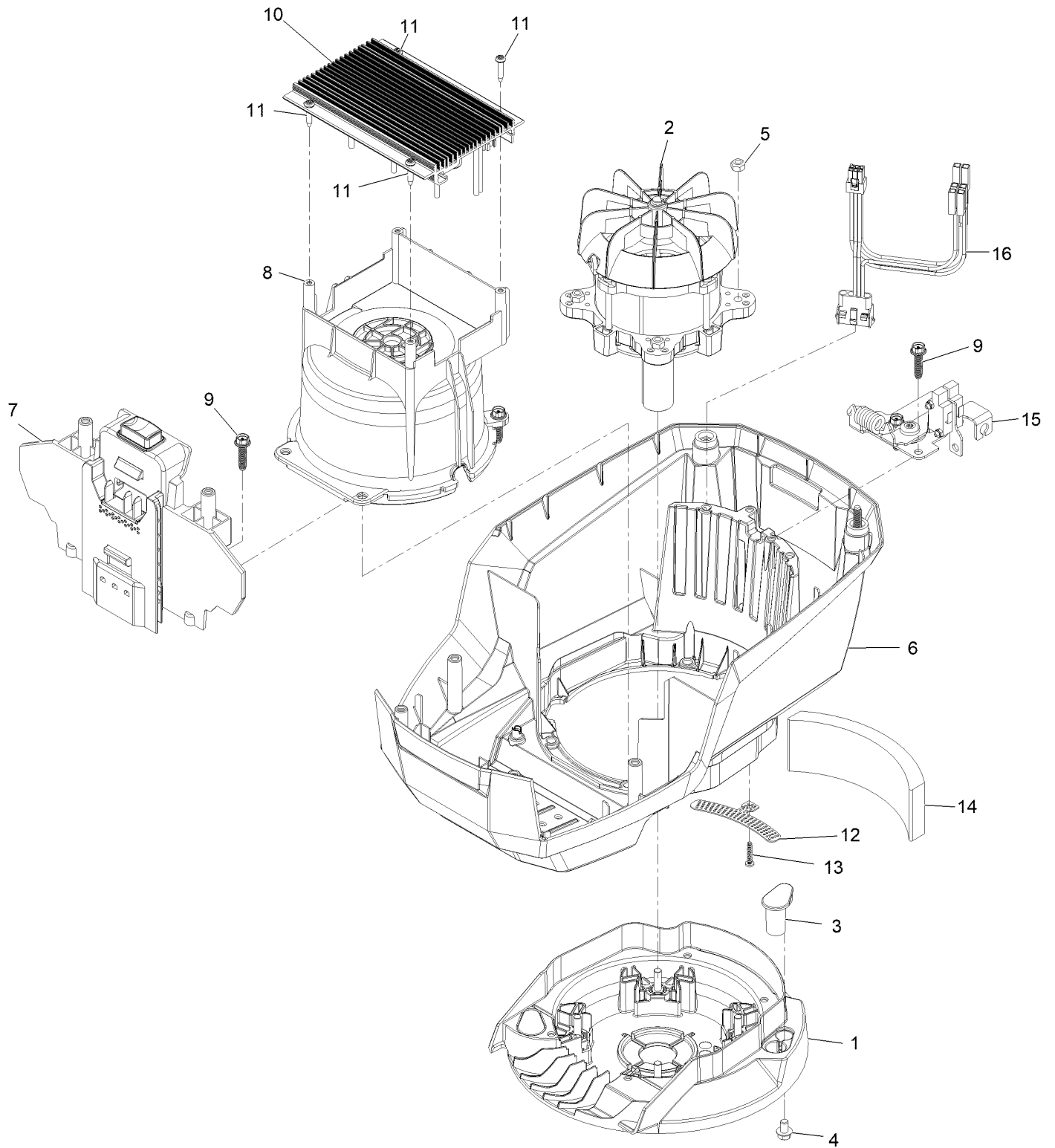
Electric Motor Assembly



Electric Motor 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	125-1073	3	Screw-HWH	35	142-8389	1	Decal-Hood,Front
2	140-4120	1	Motor Module	36	142-8550	2	Battery-405Wh
34	142-8388	1	Decal-Hood,Top	37	142-8383	1	Charger-Rapid

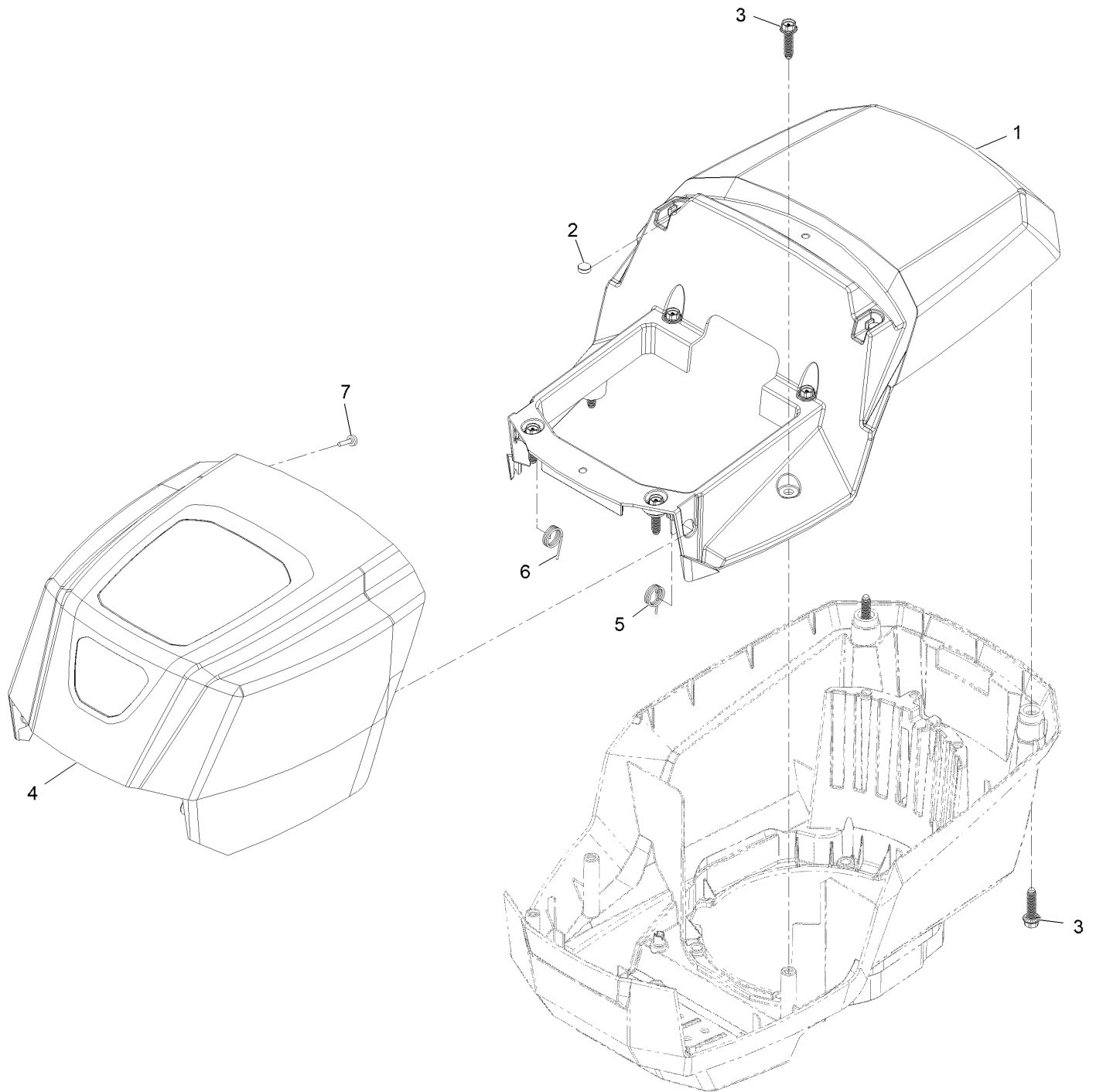
Motor Module



Motor Module (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	139-6628	1	Base-Mount, Motor	10	140-4117	1	Controller-Motor [2 Spd]
2	140-4119	1	Motor-2Kw	11	139-6642	4	Screw
3	131-9732	3	Insert-Mount, Motor	12	139-6635	1	Bracket-Foam
4	137-4795	3	Screw	13	138-3273	1	Screw-PPH M4.2 X 1.79 X 20Mm
5	115-7373	4	Nut-Hex Nyloc M6-1.0	14	139-6636	1	Foam
6	140-4118	1	Shroud-Lower	15	133-1918	1	Bail Switch ASM
7	139-6632	1	Battery Reciever ASM	16	139-6637	1	Harness-Wire
8	139-6633	1	Shroud-Motor				
9	130-6658	6	Screw-HWH 1/4-20 X 1 Serrated Flg				

Shroud and Hood Assembly



Shroud and Hood 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	140-3886	1	Shroud-Upper	5	139-6640	1	Spring-LH
2	114-5896	2	Magnet	6	139-6641	1	Spring-RH
3	130-6658	8	Screw-HWH 1/4-20 X 1 Serrated Flg	7	95-4234	2	Screw-PPH M4.2 X 2.25 X 12Mm
4	139-6639	1	Hood				

Notes:

Notes:

EXMARK ACCESSORIES AND OPTIONS*

MID-MOUNT RIDING ACCESSORIES AND OPTIONS

CUSTOM RIDE SEAT SUSPENSION SYSTEM	OPERATOR CONTROLLED DISCHARGE
FULL SUSPENSION SEAT	SUN SHADE
DECK LIFT ASSIST KIT	TRASH CONTAINER
HITCH KIT	TURF STRIPER
LIGHT KIT	ULTRA VAC COLLECTION SYSTEM
12V POWER PORT	ULTRA VAC QUICK DISPOSAL SYSTEM
MICRO-MULCH SYSTEM	

OUT-FRONT RIDING ACCESSORIES AND OPTIONS

CUSTOM RIDE SEAT SUSPENSION SYSTEM	SNOW BLADE
DUAL-TAIL WHEEL	SNOWBLOWER
FLOOR PAN EXTENDER	SUN SHADE
HITCH KIT	TRASH CONTAINER
LIGHT KIT	ULTRA VAC COLLECTION SYSTEM
MICRO-MULCH SYSTEM	ULTRA VAC QUICK DISPOSAL SYSTEM
ROLL OVER PROTECTION SYSTEM (ROPS)	WEATHER CAB

WALK-BEHIND ACCESSORIES AND OPTIONS

GRASS CATCHER	TURF STRIPER
MICRO-MULCH SYSTEM	STANDON

*Some accessories and options not available for some models.

Place Model No. and Serial No.
Label Here (Included in the Literature
Pack) or Fill in Below

Model No. _____

Serial No. _____

Date Purchased _____

Engine Model No. and Spec. No. _____

Engine Serial No. (E/No) _____

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