Form No. 3436-868 Rev C

TORO®

Count on it.

Parts Catalog

Greensmaster® Flex™ 1021

Traction Unit

Model No. 04860—Serial No. 400000000 and Up

Register at www.Toro.com.
Original Instructions (EN)

CE

3436-868 C

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.

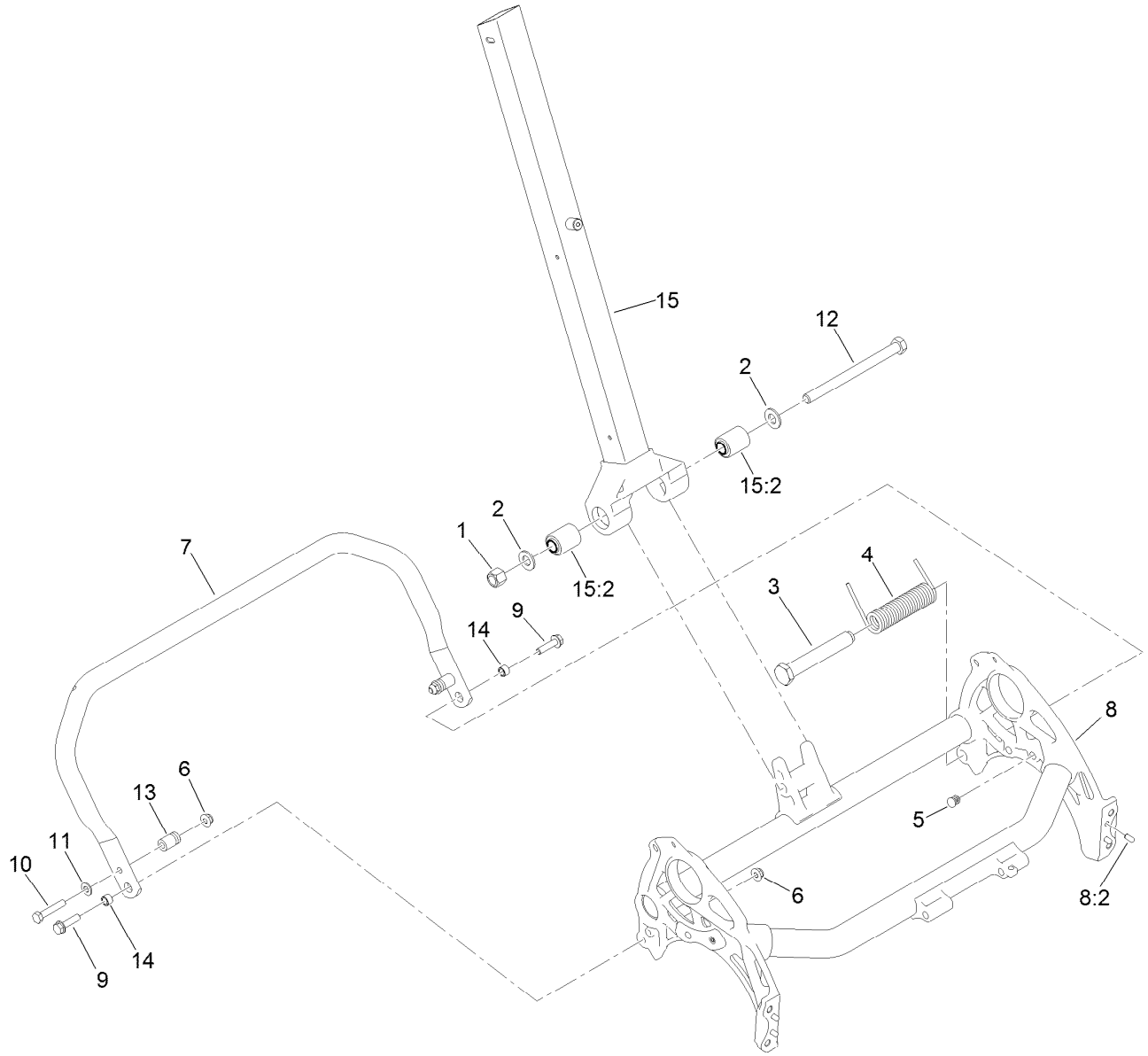
For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

Contents

Frame and Handle Mount Assembly 4
Drum Drive Assembly 5
Drum Drive Gearbox Assembly No. 132-4566 6
Drive Shaft and Reel Components Assembly 7
Transmission and Engine Assembly 8
Engine Assembly No. 138-2142 10
Transmission Gearbox Assembly No. 130-6820 Transmission Case Assembly 11
Transmission Gearbox Assembly No. 130-6820 Reel Drive Assembly 12
Transmission Gearbox Assembly No. 130-6820 Traction Drive Assembly 13
Differential Assembly No. 132-4555 14
Frame Assembly. 15
Grass Basket Assembly 16
Reel Controls and Covers Assembly. 17
Upper Handle Assembly 18
Traction Bail Assembly 19
CE Decal 20
Attachments and Accessories 21

© 2020—The Toro® Company
8111 Lyndale Avenue South
Bloomington, MN 55420

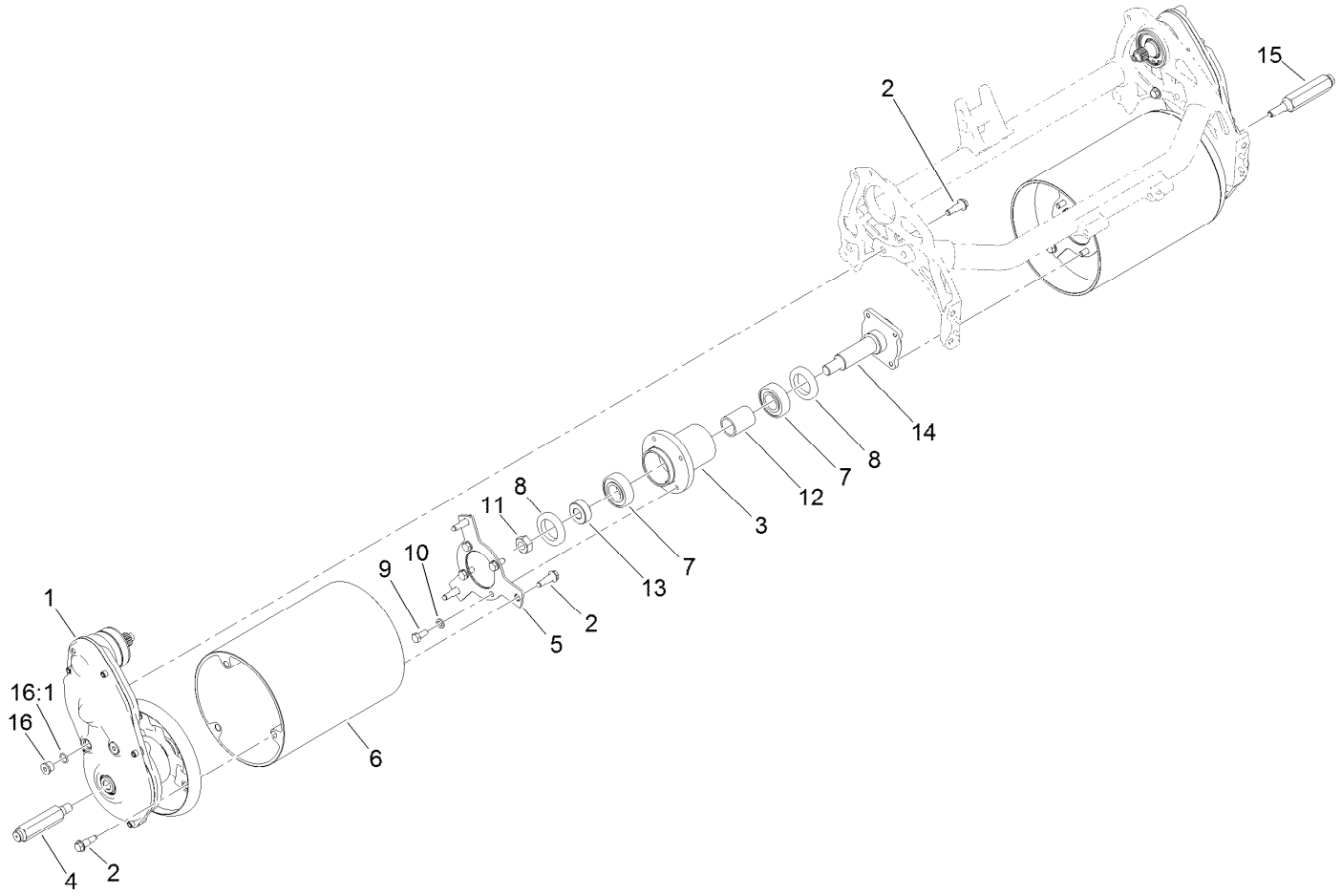
Contact us at www.Toro.com.
Printed in the USA.
All Rights Reserved



Frame and Handle Mount Assembly

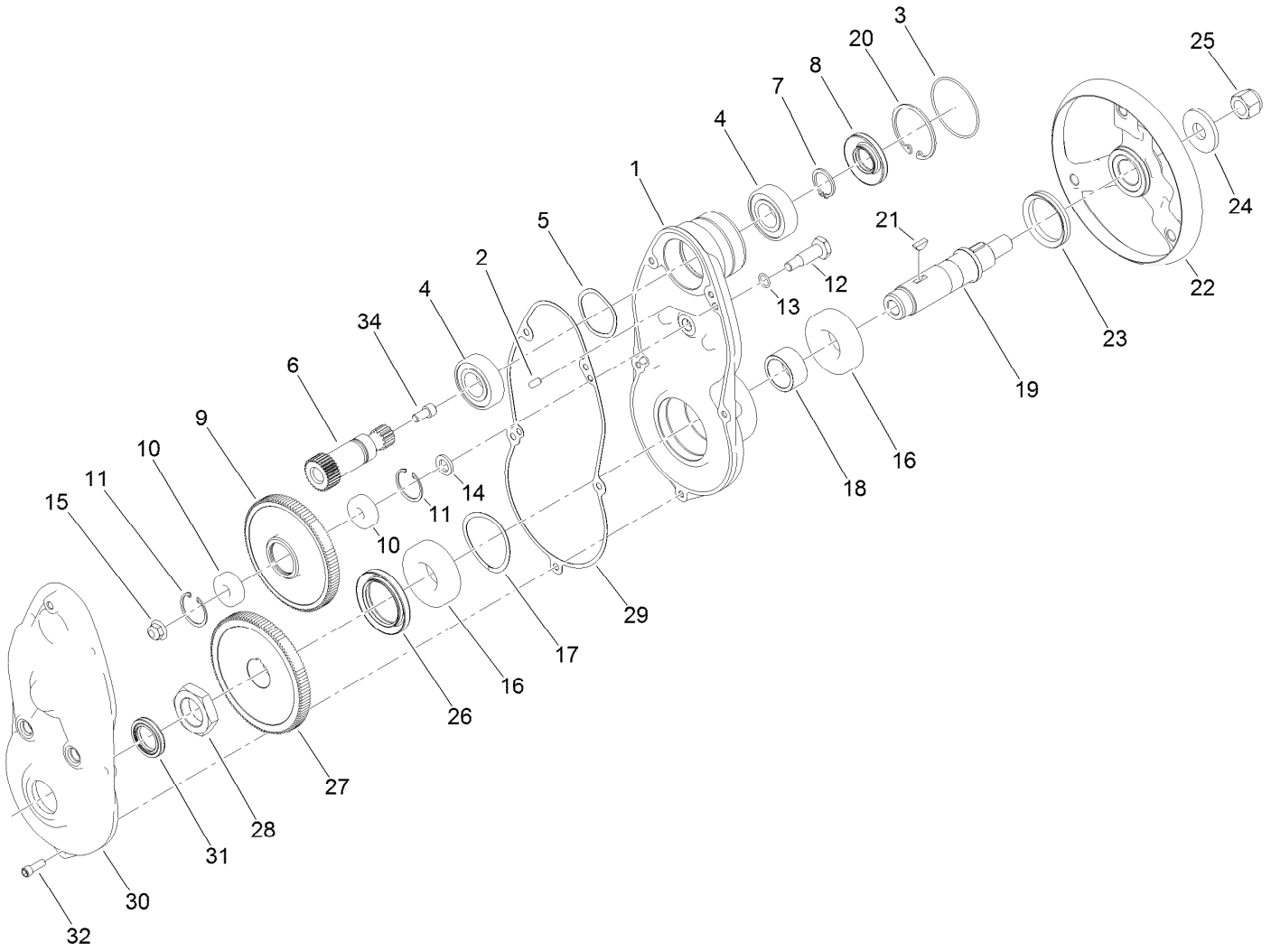
Ref.	Part Number	Qty.	Description
1	3296-23	1	Nut-Lock, NI
2	3256-26	2	Washer-Flat
3	138-1510	1	Pin-Mount, Spring
4	138-1459	1	Spring-Torsion, LH
5	139-4326	2	Plug-Plastic
6	119-4041	3	Nut-HF
7	133-9113-03	1	Kickstand-21 Inch
8	138-1647	1	21 Inch Frame ASM
8:2	95-0715	4	Pin-Dowel

Ref.	Part Number	Qty.	Description
9	112-6913	2	Screw-HHF
10	322-9	2	Screw-HH
11	3256-23	2	Washer-Plain
12	325-33	1	Screw-HH
13	65-7900	2	Retainer-Spring
14	65-7910	2	Spacer
15	137-0292	1	Lower Handle ASM
15:2	138-1469	2	Bushing-Straight



Drum Drive Assembly

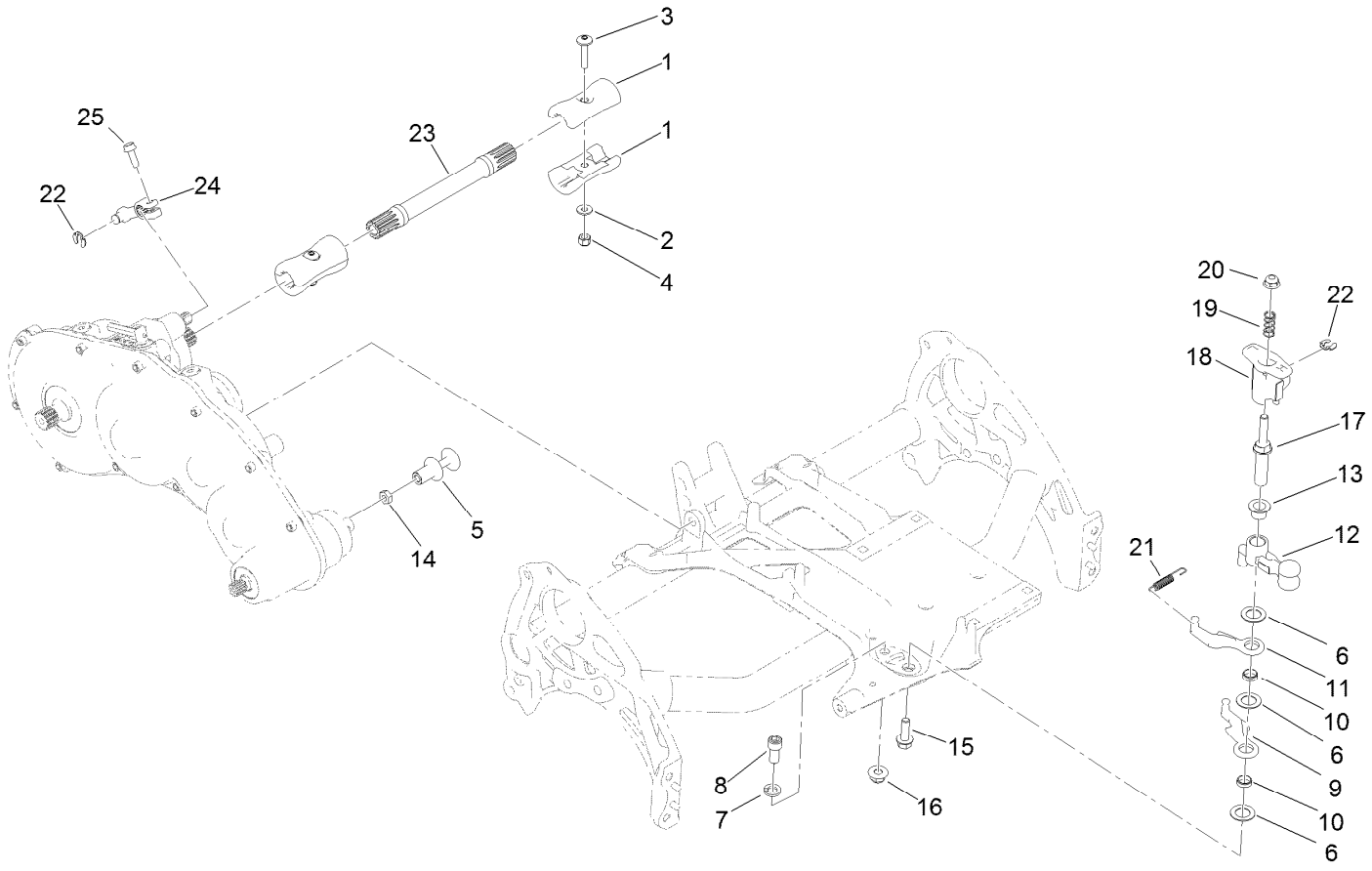
Ref.	Part Number	Qty.	Description
1	132-4566	2	Drum Drive Gear Box ASM
2	132-4607	14	Bolt-Shoulder, Flange
3	132-6971	1	Hub-Drum
4	132-4605	1	Shaft-Hex, RH
5	133-9240-0P	2	Plate-Drum, Hub
6	139-4362	2	Drum-Traction, Flex
7	251-82	2	Bearing-Ball
8	253-159	2	Seal
9	322-3	8	Screw-HH
10	3253-4	8	Washer-Lock
11	3296-33	1	Nut-Lock, NI
12	65-6520	1	Spacer
13	65-6530	1	Spacer
14	94-5850	1	Spindle-Drum
15	132-4606	1	Shaft-Hex, LH
16	353-989	4	Plug-Hex, Hollow
16:1	237-42	1	O-Ring



Drum Drive Gearbox Assembly No. 132-4566

Ref.	*Part Number*	*Qty.*	*Description*
1	137-0282	1	Housing-Drive, Drum
2	133-4591	2	Pin-Dowel
3	133-9082	1	O-Ring
4	251-82	2	Bearing-Ball
5	3290-485	1	Washer-Wave
6	132-4565	1	Gear-Spur, 30T
7	138-1507	1	Ring-Retaining, EXT (25Mm)
8	138-1491	1	Seal-Oil
9	137-0274	1	Gear-Spur, 108T
10	49-2410	2	Bearing-Ball
11	138-1506	2	Ring-Retaining, Int (32Mm)
12	133-4558	1	Pin-Bearing, Short
13	80-8460	1	O-Ring
14	133-4553	1	Spacer-Bearing
15	119-4042	1	Nut-HF, NI
16	251-312	2	Bearing-Ball

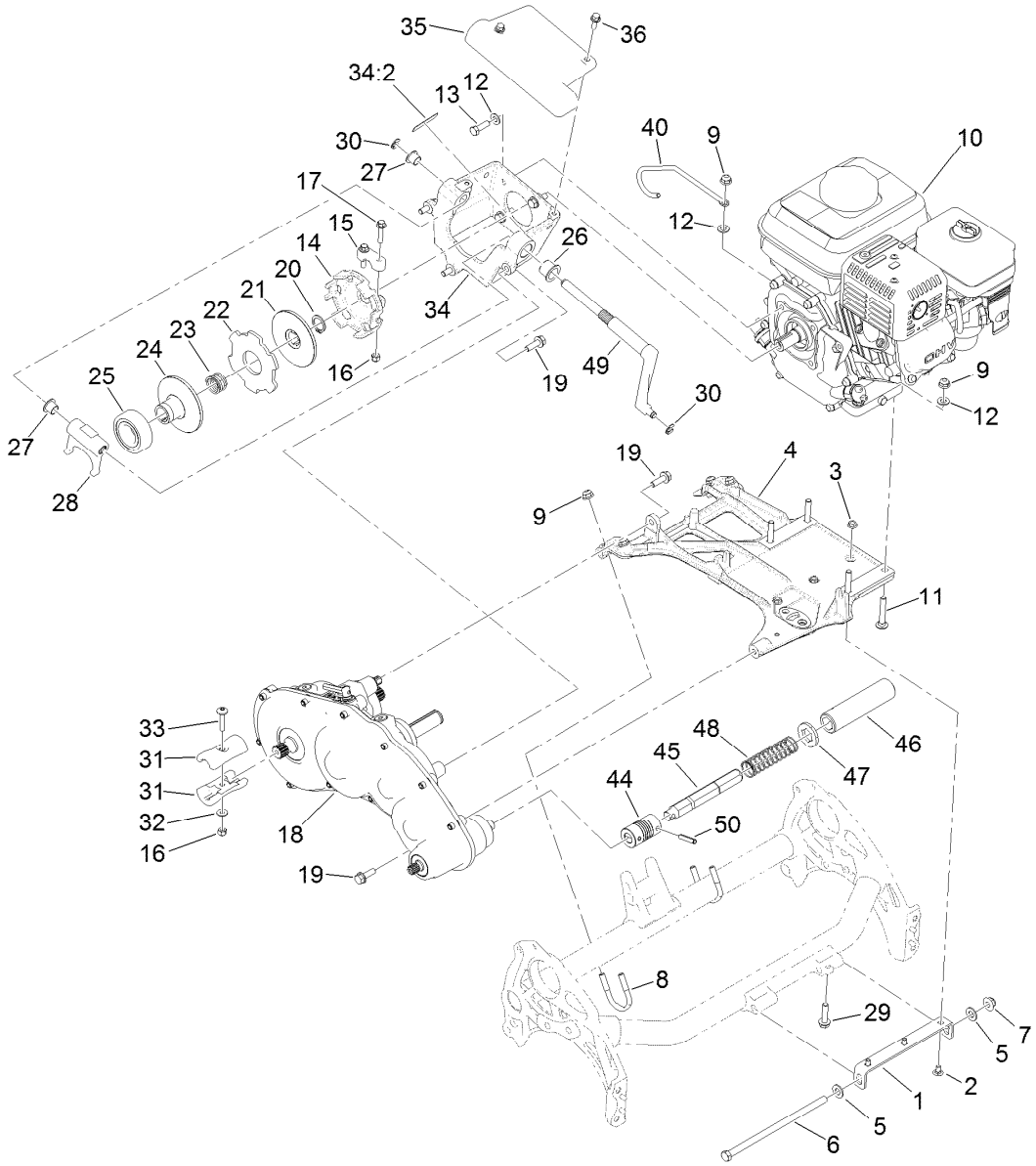
Ref.	*Part Number*	*Qty.*	*Description*
17	115-5258	1	Spring-Wire, Flat
18	132-4568	1	Spacer
19	133-4562	1	Shaft-Drum, Drive
20	138-1480	1	Ring-Retaining, Int (52Mm)
21	138-1504	2	Key-Woodruff, 5Mm
22	133-9244	1	Hub-Drum, Outer
23	253-161	1	Seal-V-Ring
24	104-9216	1	Washer-Hardened
25	126-3841	1	Nut-Hex, NI
26	138-1490	1	Seal-Oil
27	137-0275	1	Gear-Spur, 114T
28	133-9078	1	Nut-Hex
29	132-4569	1	Gasket-Drive, Drum
30	137-0284	1	Cover-Drive, Drum
31	133-4559	1	Seal-Oil
32	3274-8	5	Screw-HSH
34	3274-12	1	Screw-HSH



Drive Shaft and Reel Components Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	133-9100	4	Coupler-Splined, 4 Tooth
2	119-8952	2	Washer
3	126-8232	2	Screw-Truss
4	3296-42	2	Nut-Lock, NI
5	133-9207	1	Adapter-Slider
6	139-7362	3	Washer-Poly
7	3253-21	1	Washer-Lock
8	131-8573	1	Screw-HSH
9	138-1523	1	Reel Lever
10	133-9226	2	Bushing-Straight
11	138-1524	1	Lever-Reel
12	133-9206	1	Bellcrank-Reel
13	125-5239	1	Bushing-Flange

Ref.	*Part Number*	*Qty.*	*Description*
14	120-9638	1	Nut-Jam
15	115-5142	1	Screw-HHF
16	119-4042	1	Nut-HF, NI
17	137-0298	1	Shaft-Selector, Reel
18	137-0299	1	Hub-Selector, Reel
19	117-1031	1	Spring-Compression
20	119-4041	1	Nut-HF
21	119-4609	1	Spring-Extension
22	32151-47	2	Ring-Retaining
23	133-9208	1	Shaft-Drive
24	133-9117	1	Lever-Brake, Cable
25	131-6150	1	Screw-HWHTF

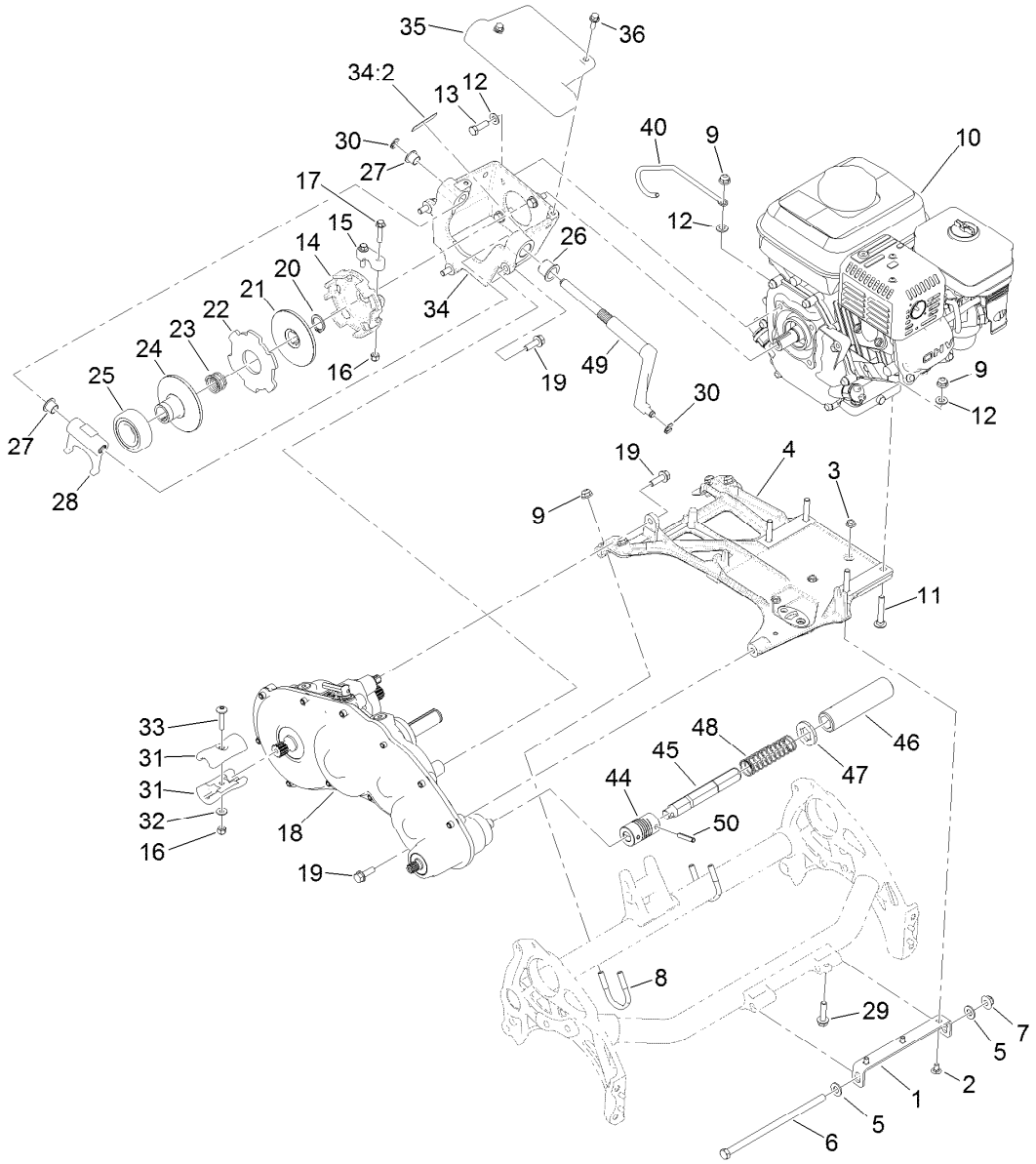


Transmission and Engine Assembly

Ref.	Part Number	Qty.	Description
1	138-1623-01	1	Bracket-Mount, Engine
2	116-5611	3	Bolt-Carriage 1/4-20 X 1/2 Short Neck
3	32128-10	3	Nut-Lock, HHF
4	138-5517	1	Base-Engine
5	3256-24	2	Washer-Flat
6	323-30	1	Screw-HH
7	119-4042	1	Nut-HF, NI
8	137-0301	2	Clamp-Tube
9	119-4041	8	Nut-HF
10	138-2142	1	Engine ASM ●
11	3230-6	4	Bolt-CARR
12	3256-23	8	Washer-Plain
13	131-5919	4	Screw-HH, Patch
14	138-3542	1	Hub-Clutch, External
15	138-5522	1	Clamp-Hub, Clutch
16	3296-42	3	Nut-Lock, NI
17	127-8639	2	Screw-HHF

Ref.	Part Number	Qty.	Description
18	130-6820	1	Transmission Gear Box ASM
19	115-5142	5	Screw-HHF
20	32151-33	1	Ring-Retaining, EXT
21	133-9095	1	Disc-Clutch
22	133-9094	1	Plate-Friction
23	133-9123	1	Spring-Compression, Clutch
24	138-1508	1	Disc-Clutch, Slider
25	138-1505	1	Bearing-Sealed, Self Aligning
26	132-4089	1	Bushing
27	125-5239	2	Bushing-Flange
28	138-3548	1	Fork-Clutch
29	112-6913	1	Screw-HHF
30	32151-47	2	Ring-Retaining
31	133-9100	2	Coupler-Splined, 4 Tooth
32	119-8952	1	Washer
33	126-8232	1	Screw-Truss

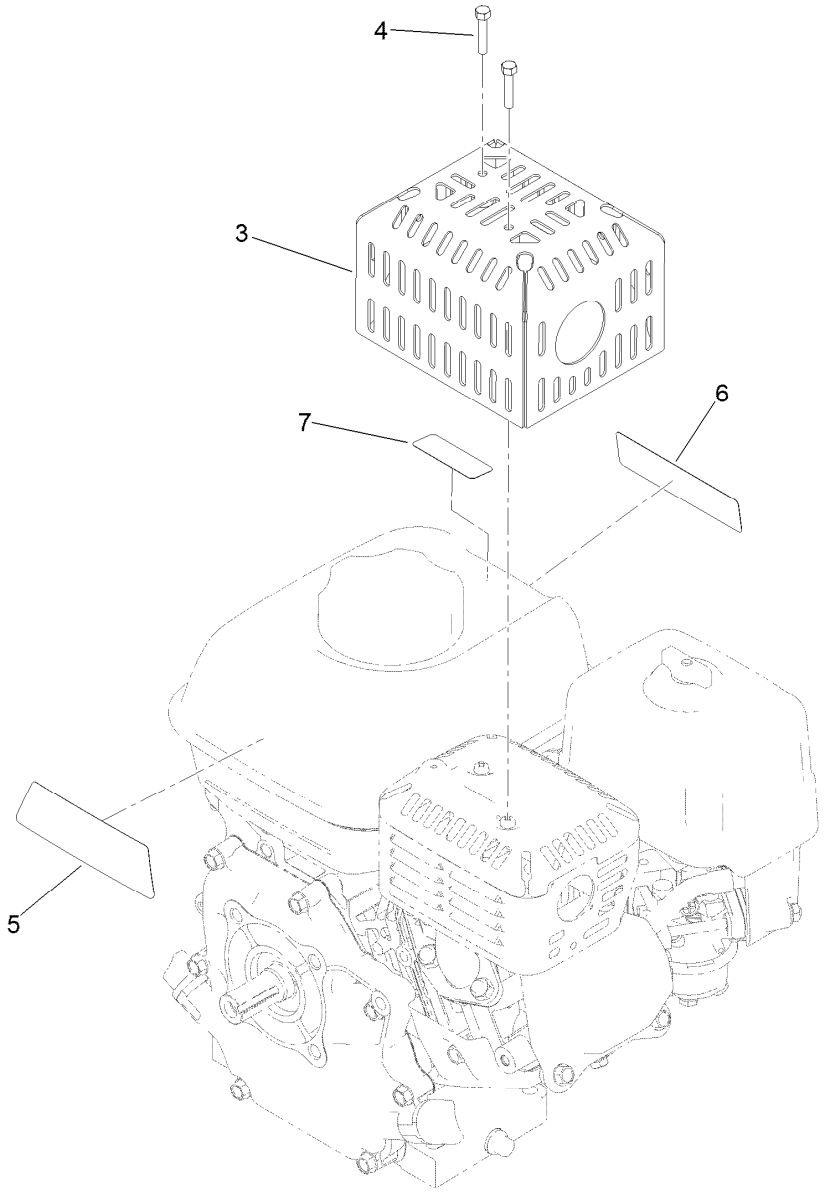
● Obtain parts from www.honda-engines.com



Transmission and Engine Assembly (continued)

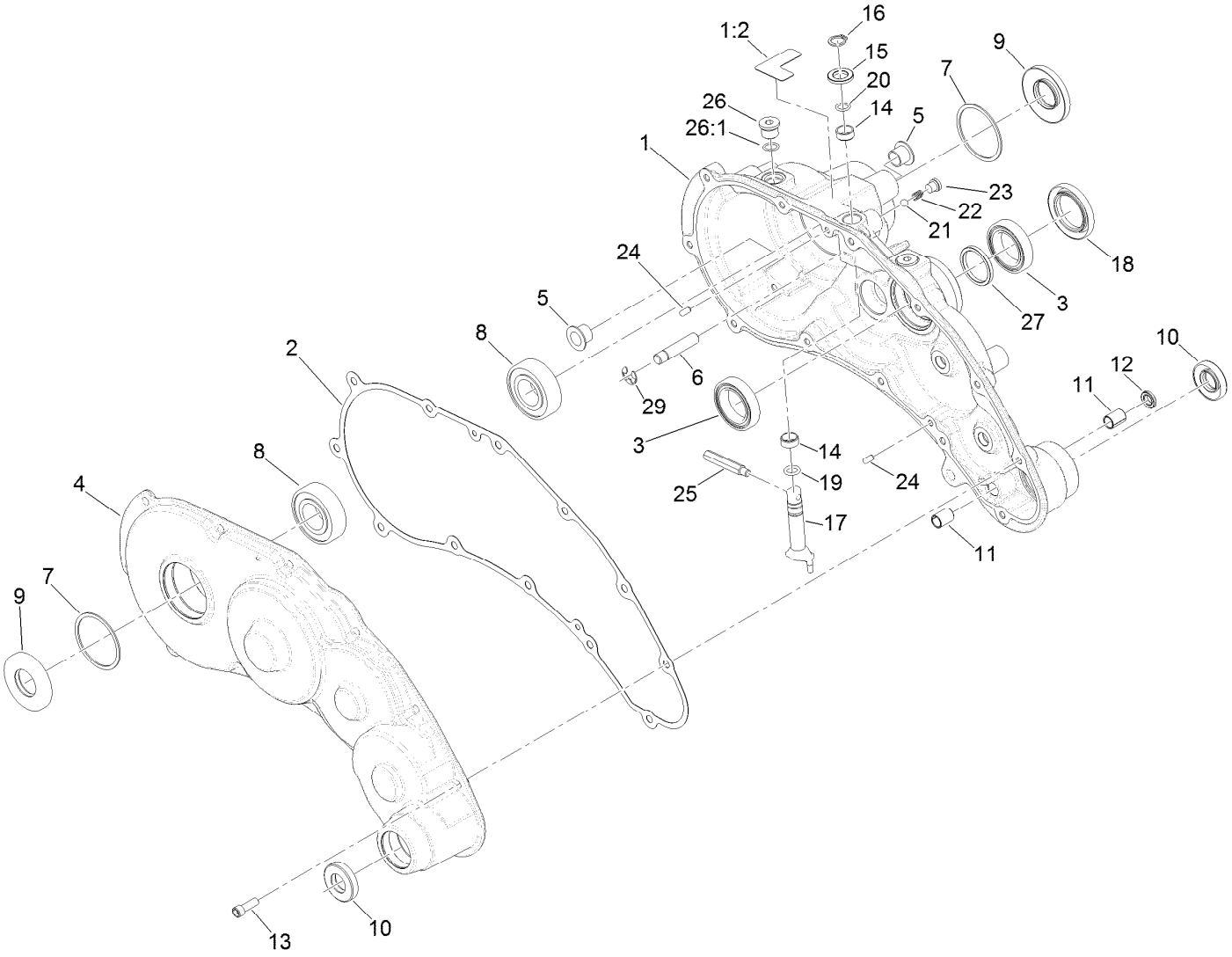
Ref.	Part Number	Qty.	Description
34	139-4301	1	Bell Housing ASM
34:2	120-9570	1	Decal-Warning
35	138-5545	1	Cover-Clutch
36	120-9678	2	Screw-HHF
40	139-4309	1	Guide-Cable
44	133-2341	1	Coupling-Helical
45	139-7379	1	Shaft-Coupler
46	110-2390	1	Tube-Hex
47	139-7391	1	Collar-Lock
48	139-7390	1	Spring-Compression
49	138-3549	1	Shaft-Fork
50	125-3542	2	Pin-Spring

● Obtain parts from www.honda-engines.com



Engine Assembly No. 138-2142

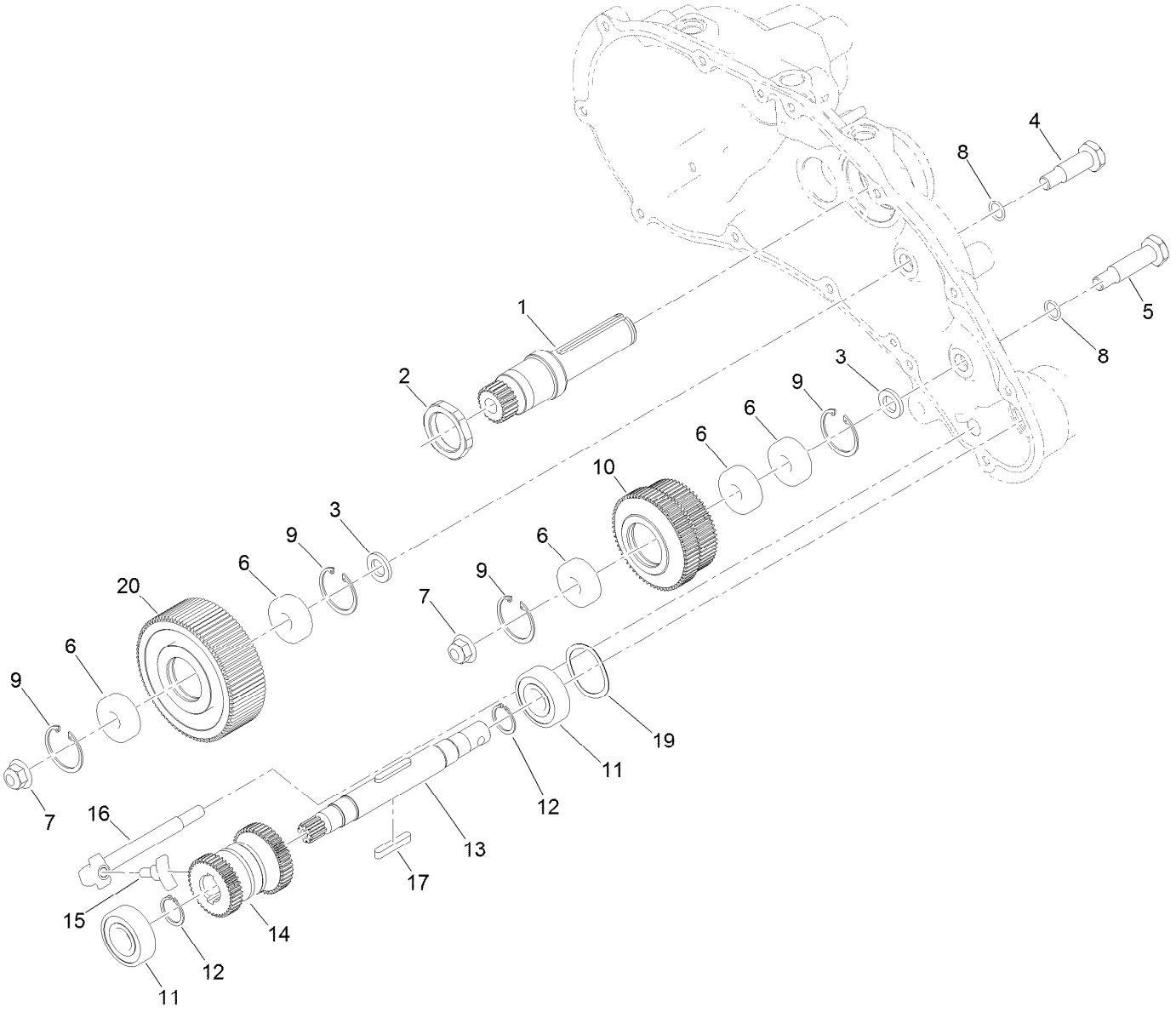
Ref.	*Part Number*	*Qty.*	*Description*
3	138-2128-03	1	Guard-Muffler
4	87-5150	2	Screw-HH
5	138-2138	1	Decal-Warning, Engine
6	133-8062	1	Decal-Arrestor, Spark
7	130-8322	1	Decal-Warning, Ethanol



Transmission Gearbox Assembly No. 130-6820
Transmission Case Assembly

Ref.	Part Number	Qty.	Description
1	139-4306	1	Transmission Housing ASM
1:2	138-1644	1	Decal-Release, Traction
2	132-4551	1	Gasket-Transmission
3	121-9281	2	Bearing-Ball
4	138-1603	1	Transmission Cover ASM
5	125-5239	2	Bushing-Flange
6	133-9122	1	Pin-Mount, Brake
7	32151-92	2	Ring-Retaining
8	251-82	2	Bearing-Ball
9	133-9075	2	Seal-Oil
10	130-9463	2	Seal-Oil
11	131-3038	2	Bushing-Sleeve
12	131-3126	1	Seal-Oil
13	3274-8	12	Screw-HSH
14	121-4738	2	Bushing-Straight

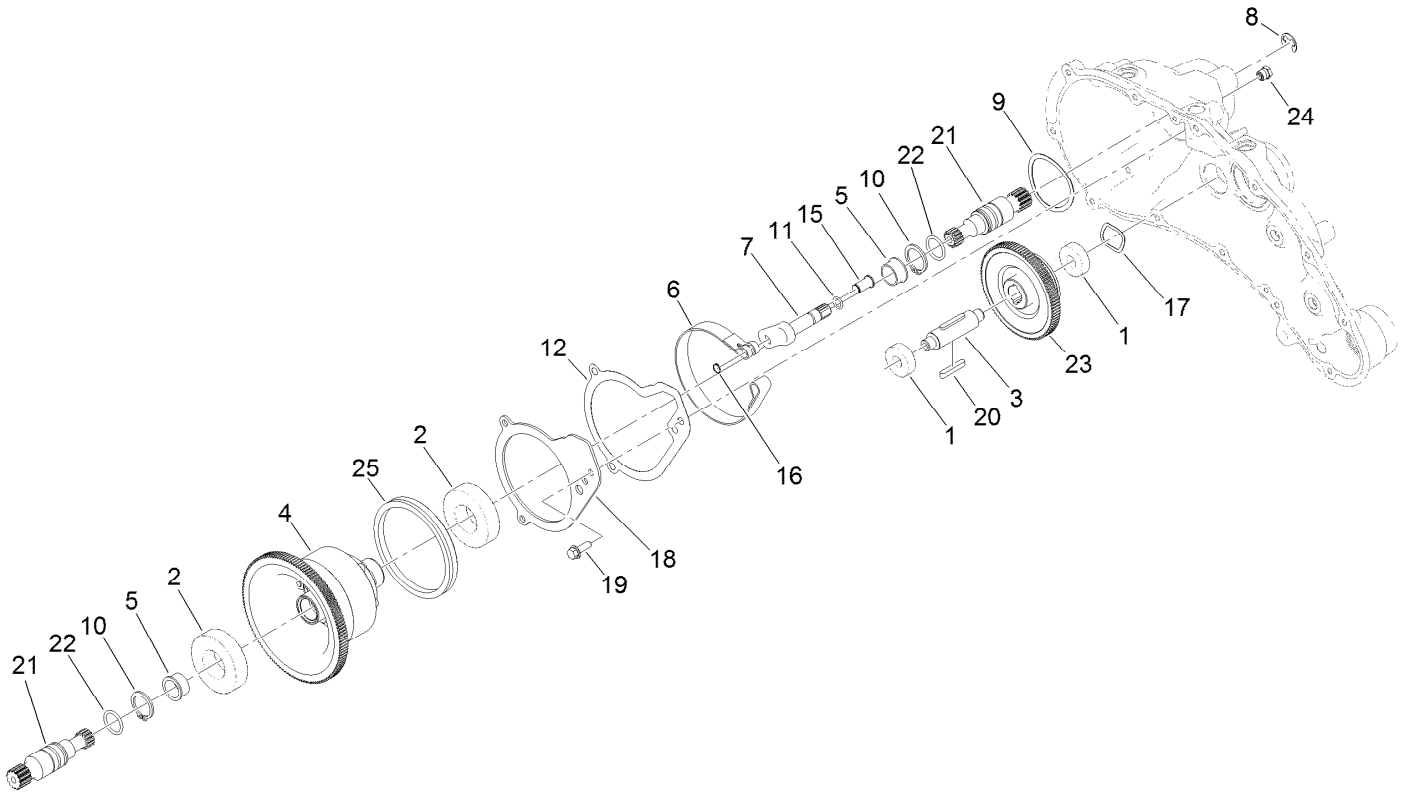
Ref.	Part Number	Qty.	Description
15	108-5059	1	Spacer-Bushing
16	32151-61	1	Ring-Retaining
17	130-6816	1	Shaft-Selector, Traction
18	116-5647	1	Seal-Grease
19	131-1879	1	O-Ring Seal
20	237-22	1	O-Ring
21	105-2442	1	Ball-Detent
22	105-2443	1	Spring-Detent
23	131-1825	1	Plug-ORB
24	121-9249	2	Pin-Dowel
25	133-9149	1	Pin-Groomer
26	353-989	2	Plug-Hex, Hollow
26:1	237-42	1	O-Ring
27	138-1496	1	Spacer
29	105-7004	1	E-Ring



Transmission Gearbox Assembly No. 130-6820
Reel Drive Assembly

Ref.	Part Number	Qty.	Description
1	138-1509	1	Shaft-Input, 22T
2	138-1495	1	Nut-Lock, Thin
3	133-4553	2	Spacer-Bearing
4	133-4558	1	Pin-Bearing, Short
5	133-4557	1	Pin-Bearing, Long
6	49-2410	5	Bearing-Ball
7	104-8301	2	Nut-HF, NI
8	80-8460	2	O-Ring
9	138-1506	4	Ring-Retaining, Int (32Mm)
10	137-0272	1	Gear-Spur, 60T/65T

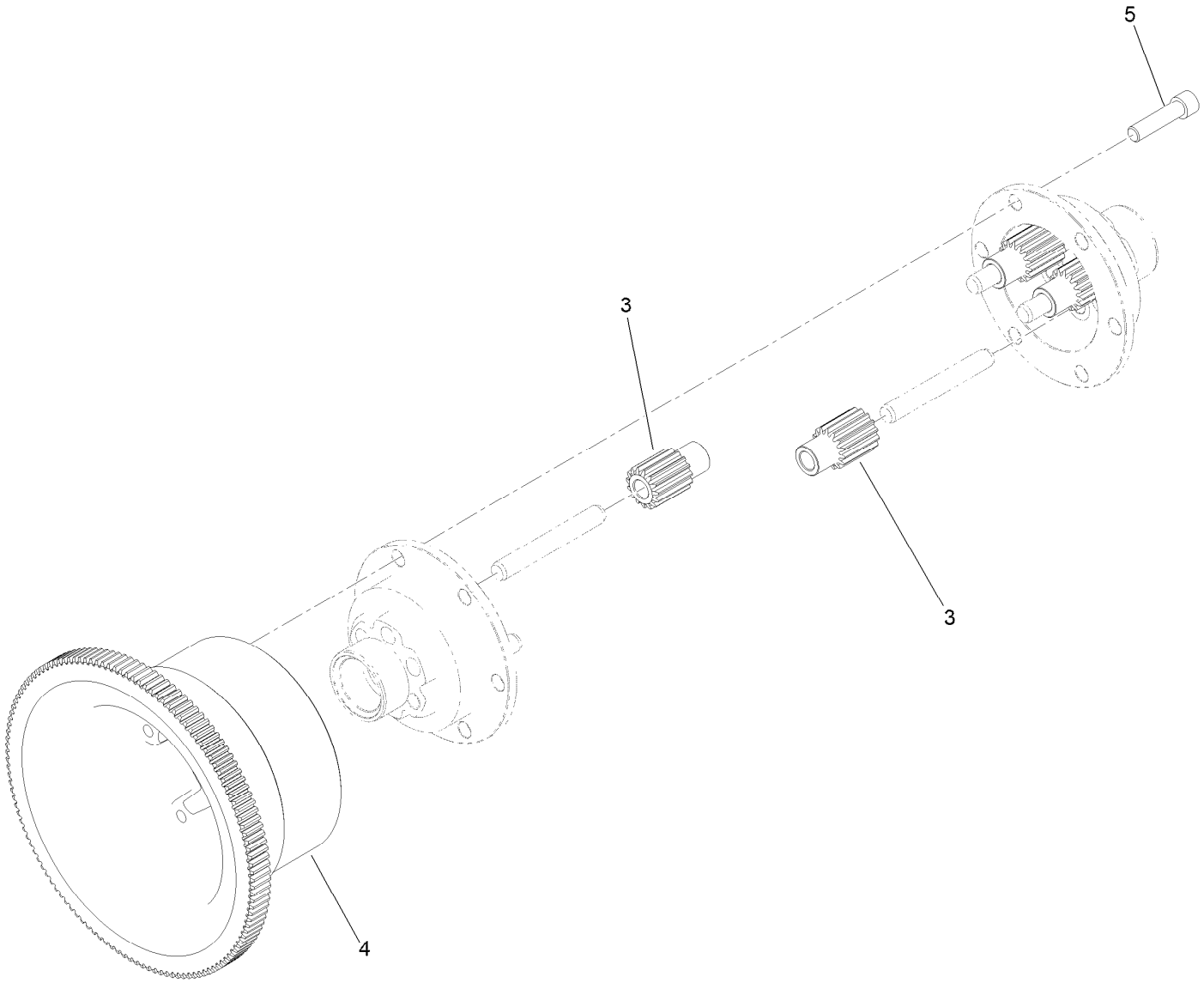
Ref.	Part Number	Qty.	Description
11	38-7820	2	Bearing-Ball
12	138-1629	2	Ring-Retaining, EXT (17Mm)
13	139-4359	1	Shaft-Drive, Reel
14	130-6834	1	Gear-Spur, Slider
15	133-9120	1	Shoe-Clutch, Reel
16	133-9121	1	Actuator-Clutch, Reel
17	103-2739	2	Key
19	131-3170	1	Spring-Wave
20	137-0273	1	Gear-Spur, 85T



Transmission Gearbox Assembly No. 130-6820
Traction Drive Assembly

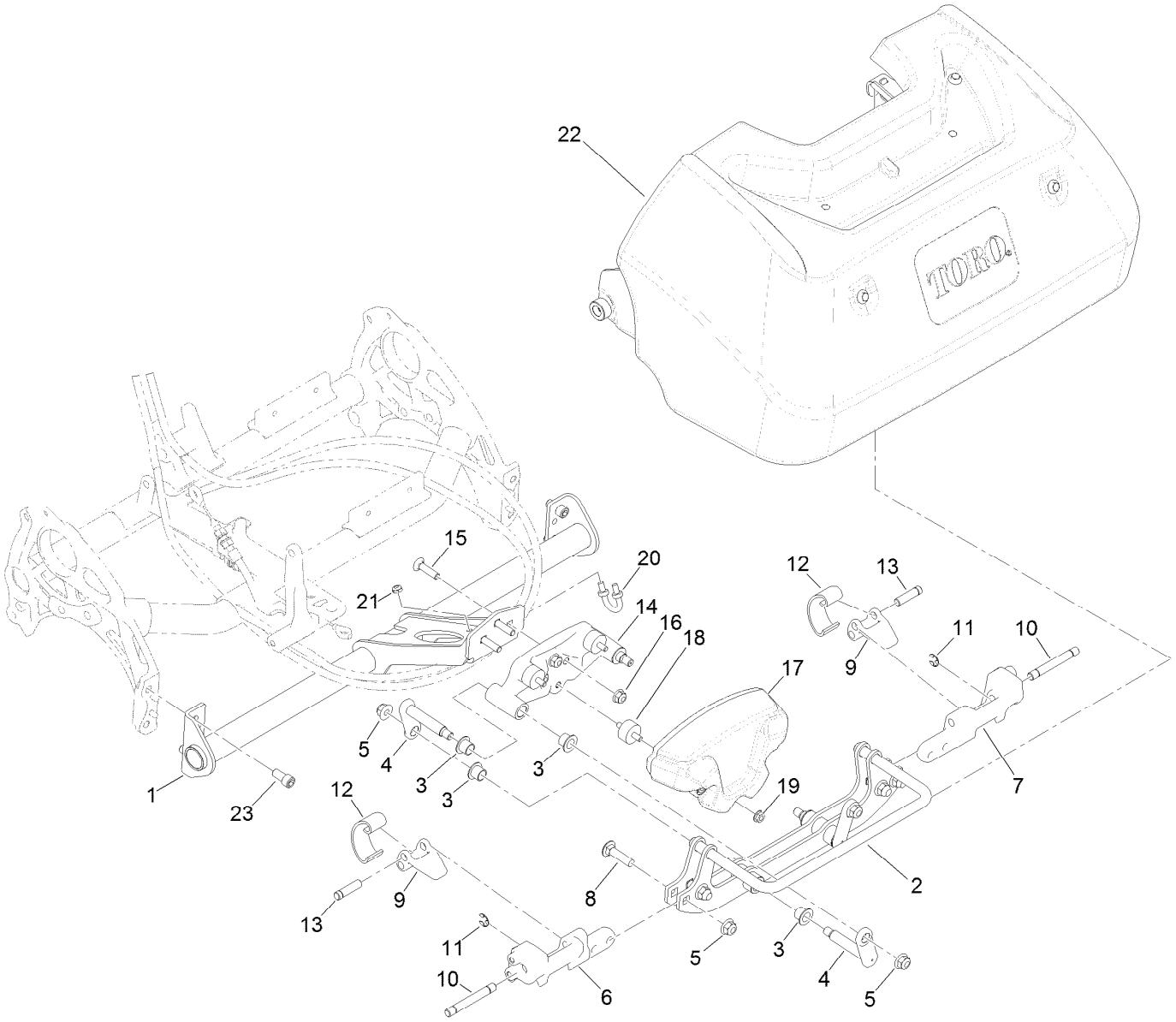
Ref.	*Part Number*	*Qty.*	*Description*
1	49-2410	2	Bearing-Ball
2	251-312	2	Bearing-Ball
3	137-0236	1	Shaft-Slider, Neutral
4	132-4555	1	Differential ASM
5	256-252	2	Bearing-Flange
6	130-6824	1	Band-Brake
7	132-4550	1	Lever-Brake
8	32120-47	1	Ring-Retaining, External
9	115-5258	1	Spring-Wire, Flat
10	32151-36	2	Ring-Retaining
11	237-22	1	O-Ring
12	138-1631	1	Gasket-Plate, Brake

Ref.	*Part Number*	*Qty.*	*Description*
15	120-9687	1	Pin-Clevis, Brake
16	32120-46	1	Ring-Retaining
17	112-5163	1	Washer-Wave
18	137-0238	1	Plate-Retainer
19	119-1138	4	Screw-HWH
20	103-2739	2	Key
21	130-6841	2	Shaft-Differential
22	237-159	2	O-Ring
23	137-0276	1	Gear-Spur, Neutral (93T)
24	133-4589	1	Fitting-Plug
25	138-1472	1	V-Ring, Seal



Differential Assembly No. 132-4555

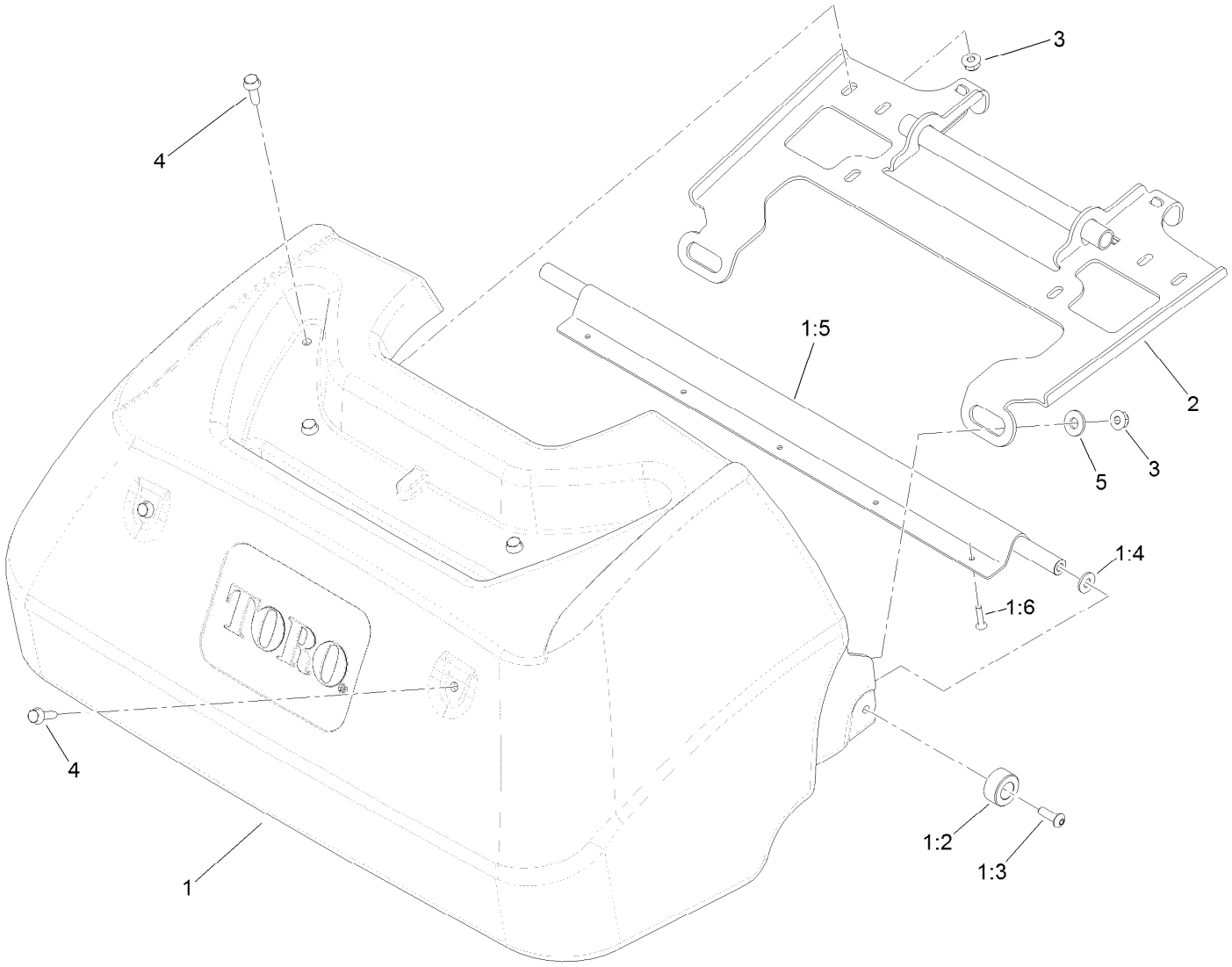
Ref.	*Part Number*	*Qty.*	*Description*
3	130-6840	6	Gear-Spur, Differential
4	137-0294	1	Gear-Differential, 127T
5	3274-26	6	Screw-HSH



Frame Assembly

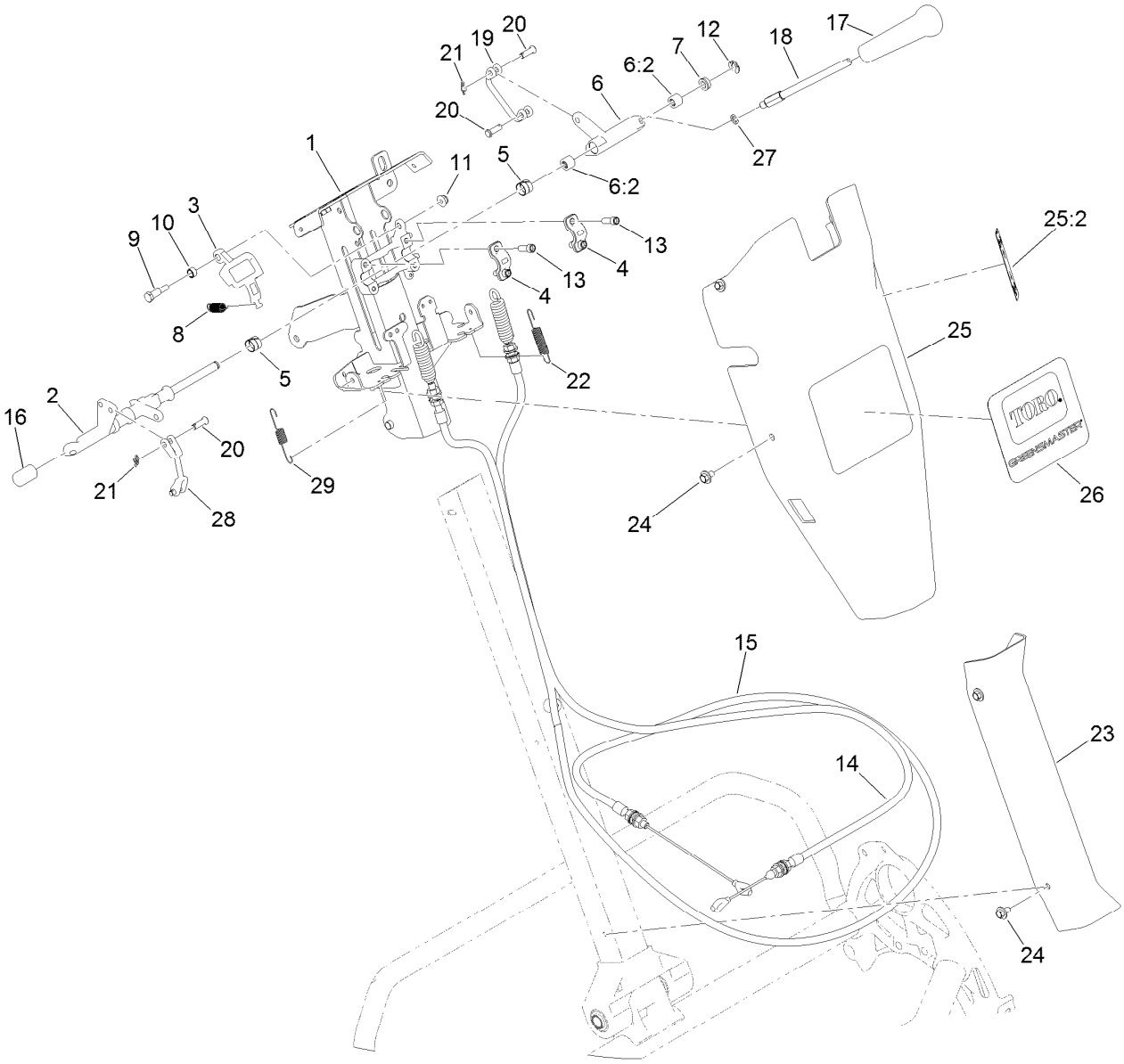
Ref.	Part Number	Qty.	Description
1	139-7364-01	1	Frame ASM Flex, Welded
2	139-7435-01	1	Roll Frame ASM, Welded [red]
3	125-5239	8	Bushing-Flange
4	139-7376	4	Link-Flex
5	104-8301	8	Nut-HF, NI
6	139-7372	1	Hub-End, RH
7	139-7374	1	Hub-End, LH
8	3231-4	4	Screw-CARR
9	114-8047	2	Lever
10	139-7380	2	Pin-Pivot, Latch
11	32120-18	2	E-Ring

Ref.	Part Number	Qty.	Description
12	114-8048	2	Spring
13	114-8049	2	Pin-Pivot
14	139-7439	1	Frame-Link
15	99-6005	3	Bolt-Carriage
16	104-8300	3	Nut-HF, NI
17	140-3358-01	1	Weight-Tmd [red]
18	140-3356	3	Isolator-Tmd
19	32128-14	3	Nut-HF
20	01-170-0040	1	U-Bolt
21	3296-56	2	Nut-Lock, NI
22	125-3500	1	Grass Basket ASM
23	131-8573	4	Screw-HSH



Grass Basket Assembly

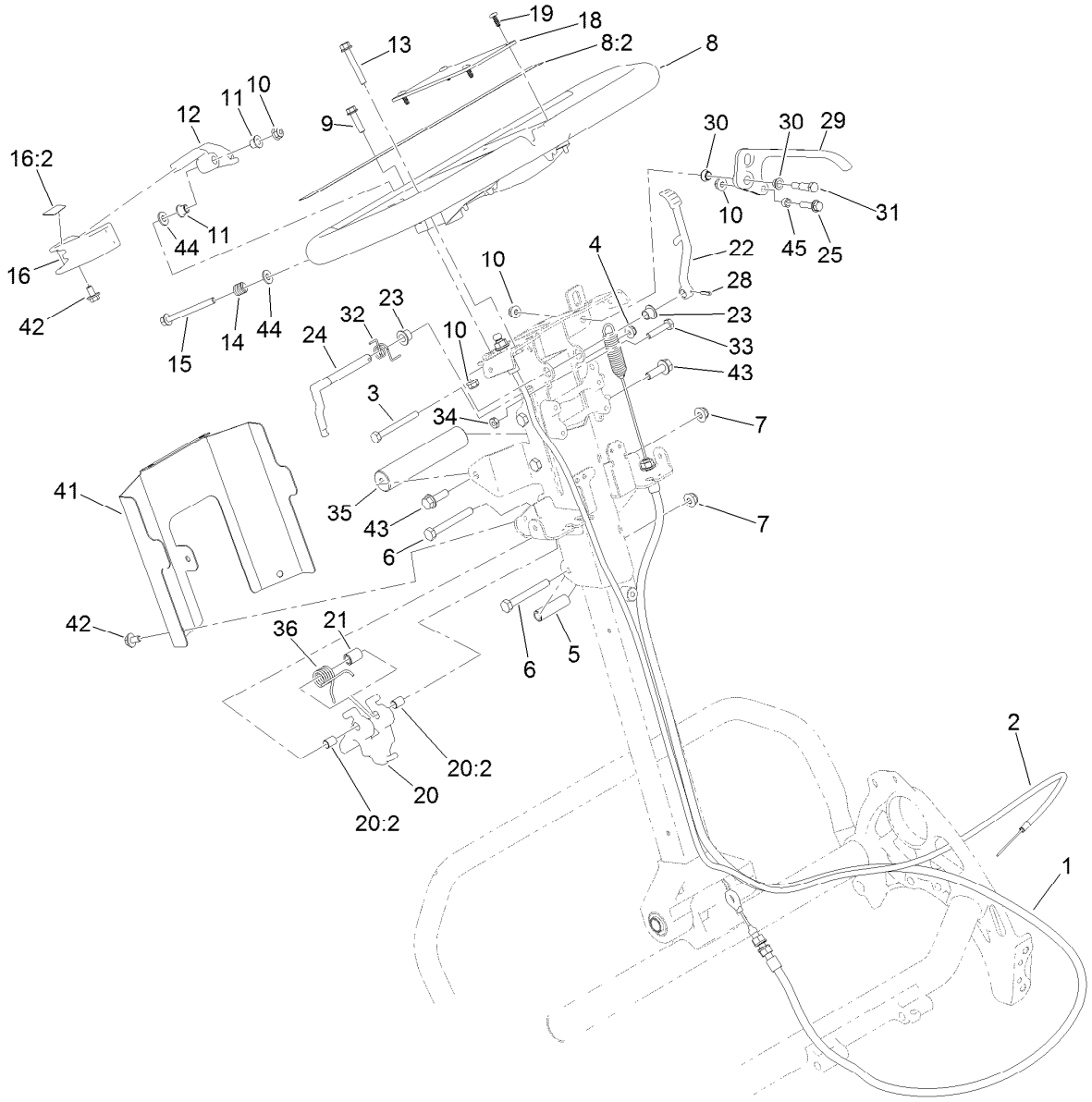
Ref.	*Part Number*	*Qty.*	*Description*
1	127-1539	1	Basket ASM
1:2	121-4730	2	Bumper-Basket
1:3	3274-69	2	Screw-HSBH
1:4	120-9679	2	Washer-Flat
1:5	127-1541	1	Channel
1:6	3290-382	5	Rivet-Pop
2	133-8833-03	1	Bracket-Basket
3	119-4040	6	Nut-Flange, NI
4	119-4012	6	Screw-HWHTF
5	1-603716	2	Washer-Friction



Reel Controls and Covers Assembly

Ref.	Part Number	Qty.	Description
1	139-5191-0P	1	Receiver-Upper
2	137-0264	1	Shaft-Main, Controls
3	137-0266	1	Cam-Latch, Upper
4	138-1513	2	Clamp-Shaft, Control
5	137-0263	2	Bushing-Split
6	137-0312	1	Reel Lever ASM
6:2	138-1637	2	Bearing-Needle
7	131-3187	1	Seal-V-Ring
8	140-3410	1	Spring-Extension
9	137-0313	1	Screw-Shoulder
10	137-0346	1	Spacer-Latch, Bail
11	104-7201	1	Nut-HF
12	32151-47	1	Ring-Retaining
13	3274-8	4	Screw-HSH
14	137-0180	1	Cable-Clutch
15	137-0181	1	Cable-Traction
16	138-1641	1	Stockcap

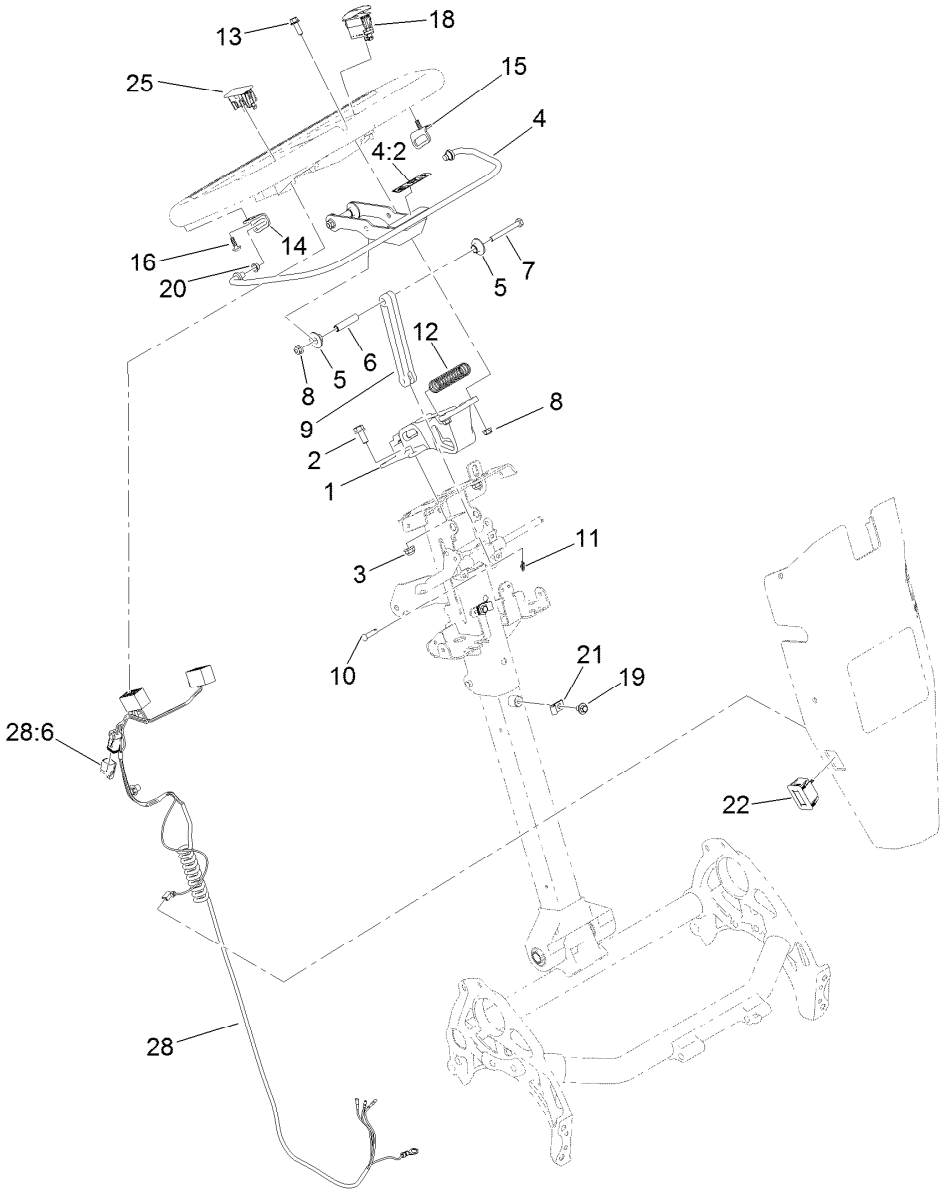
Ref.	Part Number	Qty.	Description
17	104-9760	1	Knob-Black
18	137-0190	1	Rod-Handle, Reel Lever
19	137-0232	1	Connector-Clevis
20	1-808265	4	Pin-Clevis
21	138-1587	2	Clip-Pin, Cotter
22	138-1536	1	Spring-Extension
23	138-1479	1	Cover-Handle, Lower
24	46-6810	8	Screw And Washer ASM
25	139-4304	1	Control Upper Cover ASM
25:2	138-1589	1	Decal-Reel Drive Engagement
26	140-3383	1	Decal-Greensmaster Flex 1021
27	75-5470	1	Spacer-Bearing
28	138-1592	1	Connector-Clevis
29	140-3417	1	Spring-Extension



Upper Handle Assembly

Ref.	Part Number	Qty.	Description
1	137-0183	1	Cable-Brake
2	137-0182	1	Cable-Throttle
3	321-15	1	Screw-HH
4	104-7201	1	Nut-HF
5	137-0243	3	Spacer
6	322-12	4	Screw-HH
7	119-4041	4	Nut-HF
8	138-1645	1	Handle ASM
8:2	138-5532	1	Decal-Warning, General
9	120-4654	2	Screw-HHF
10	119-4040	5	Nut-Flange, NI
11	138-3538	2	Bushing-Flange
12	138-1636	1	Arm-Throttle
13	138-5527	1	Screw-HHF
14	3-5787	1	Spring-Compression
15	114-8410	1	Screw-HHF
16	139-4303	1	Throttle Lever ASM
16:2	138-5534	1	Decal-Throttle
18	138-5514	1	Plate-Notepad, Handle
19	127-6843	4	Screw-Plastite, Torx Pan
20	137-0317	1	Handle Adjuster ASM

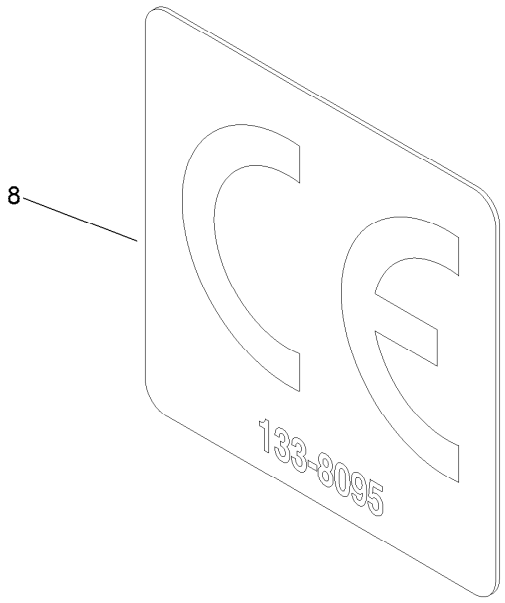
Ref.	Part Number	Qty.	Description
20:2	137-0308	2	Bushing-Igus
21	137-0318	1	Spacer-Spring
22	140-3377	1	Lever-Lock, Brake
23	138-1514	2	Bushing-Flange
24	138-1573	1	Latch-Brake
25	119-1066	1	Screw-HF
28	32121-73	1	Pin-Roll
29	138-5505	1	Lever
30	138-5538	2	Bushing-Flange
31	138-1559	1	Screw-Shoulder
32	138-1518	1	Spring-Brake, Torsion
33	114-0282	1	Screw-HH
34	120-9695	1	Nut-Jam
35	138-1535	1	Handle-Assist, Lift
36	138-1481	1	Spring-Handle, Torsion
41	138-5530-03	1	Cover-Bottom, Controls
42	46-6810	3	Screw And Washer ASM
43	115-5142	2	Screw-HHF
44	3256-22	2	Washer-Flat
45	120-6564	1	Spacer



Traction Bail Assembly

Ref.	Part Number	Qty.	Description
1	138-5524	1	Mount-Handle
2	3234-47	2	Screw-HHF
3	119-4041	2	Nut-HF
4	139-4302	1	Clutch Bail ASM
4:2	138-5533	1	Decal-Bail, Traction
5	138-3466	4	Bushing-Flange
6	138-3465	2	Spacer-Tube
7	321-18	2	Screw-HH
8	119-4040	4	Nut-Flange, NI
9	138-5515	1	Link-Bail, Clutch
10	353-322	1	Pin-Clevis
11	138-1587	1	Clip-Pin, Cotter
12	138-3468	1	Spring-Compression

Ref.	Part Number	Qty.	Description
13	120-9678	2	Screw-HHF
14	138-3539	1	Bracket-Bail, RH
15	138-3540	1	Bracket-Bail, LH
16	138-5775	2	Screw-Delta Point
18	122-1497	1	Switch-Rocker, On-None-Off
19	46-6810	2	Screw And Washer ASM
20	138-5538	2	Bushing-Flange
21	2412-72	2	Clip-Closed, Insulated
22	119-1347	1	Meter-Hour
25	119-7791	1	Plug-Hole, Carling
28	122-1416	1	Harness-Wire
28:6	32180-091	1	Cap-Dust, 2 Way



CE Decal

Ref.	*Part Number*	*Qty.*	*Description*
8	133-8095	1	Decal-CE

Attachments and Accessories

For 04860 Greensmaster Flex 1021 Traction Unit

Product Name	Model/Part
11-Blade 21in FLEX ES CU	04863
14-Blade 21in FLEX ES CU	04864
Narrow Wiehle Roller Kit, Greensmaster DPA Cutting Units	04027
Paspalum Wiehle Roller, Greensmaster Flex 1021 Traction Unit	04028
Extended Wiehle Roller Kit, Greensmaster Flex 1021 Traciton Unit	04029
Split Full Front Roller	04249
Split Narrow Wiehle Roller	04250
21in Full Roller	04815
21in Wide Wiehle Roller	04825
Front Brush for Narrow Wiehle Roller (Qty 1)	115-7377
Front Brush for Wide Wiehle Roller (Qty 1)	115-7378
Front Brush for Full Roller (Qty 1)	115-7379
Front Comb for Narrow Wiehle Roller (Qty 1)	115-7380
Front Comb for Wide Wiehle Roller (Qty 1)	115-7381
Front Comb for Full Roller (Qty 1)	115-7382
Front Scraper for Narrow Wiehle Roller (Qty 1)	125-3503
Front Scraper for Wide Wiehle Roller (Qty 1)	125-3504
Front Scraper for Full Roller (Qty 1)	125-3505
Steel Rear Full Roller (Qty 1)	120-9595
Rear Roller ASM, 21 Inch	140-9259
Rear Roller Scraper Kit with Roller	115-7383
Universal Groomer Drive Kit	04648
21in Soft Grooming Brush	04270
21in Stiff Grooming Brush	04271
21in Twin Tip Groomer Reel	04802
21in Soft Grooming Brush Kit	127-1547
21in Stiff Grooming Brush Kit	127-1548
Roller Extension Kit	115-7361
High Height-of-Cut Arms (Qty 1)	120-9600
Rear Roller Adjustment (Qty 1)	120-9602
Access Backlap Kit	139-4342
Bedbar	106-2648-01
Bedbar-Aggressive	99-3794-0P
Bedknife-Tournament, Extended	108-4302
Bedknife-Microcut, Extended	108-4303
Bedknife-EDGEMAX, Microcut	115-1880
Bedknife-EDGEMAX, Tournament Cut	115-1881
Bedknife-EDGEMAX, Microcut Short	139-4320
Bedknife-EDGEMAX, Tournament Short	139-4321
Bedknife-Fairway	63-8610
Bedknife-Microcut	93-4262
Bedknife-Tournament Cut	93-4263
Bedknife-Low Cut	93-4264
Bedknife-Highcut	94-6392
Blade-Groomer, Universal Harden Blade (Thin)	132-4626
Wheel Kit	04123

Attachments and Accessories (continued)

Light Kit (2019+) 04135
Push Broom Kit, Walk Greensmower (2019+) 04136
Wireless Hour Meter Kit 139-4369
MVP Kit-Cutting Unit Re-Build 121-2637
Premium Engine Oil 10w30 (55 Gallon Drum) 121-6392
Premium Engine Oil 10w30 (5 Gallon Pail) 121-6393
Grease-Synthetic 136-8595
Turf Evaluator 04399
Toro Reel Paper (10 Pack) 125-5610
Toro Reel Shim (0.002in) 125-5611
Angle Indicator 131-6828
Angle Indicator Mount 131-6829
Height-of-Cut Bar 94-9010
Trans Pro 80 Tow-Behind Trailer 04238
Flat Ramp 04245
Rail Ramp Kit (Update) 04247
Trans Pro 100 Tow-Behind Trailer 04240
Rail Ramp Kit TP100 138-5011
Retention Kit 139-2683
Retention Straps Kit 139-6477

Notes:



Count on it.