Form No. 3478-468 Rev A

TORO®

Count on it.

Parts Catalog

TimeCutter® Max 60in Zero Turn

Riding Mower

Model No. 77601—Serial No. 420000000 and Up

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

3478-468 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.

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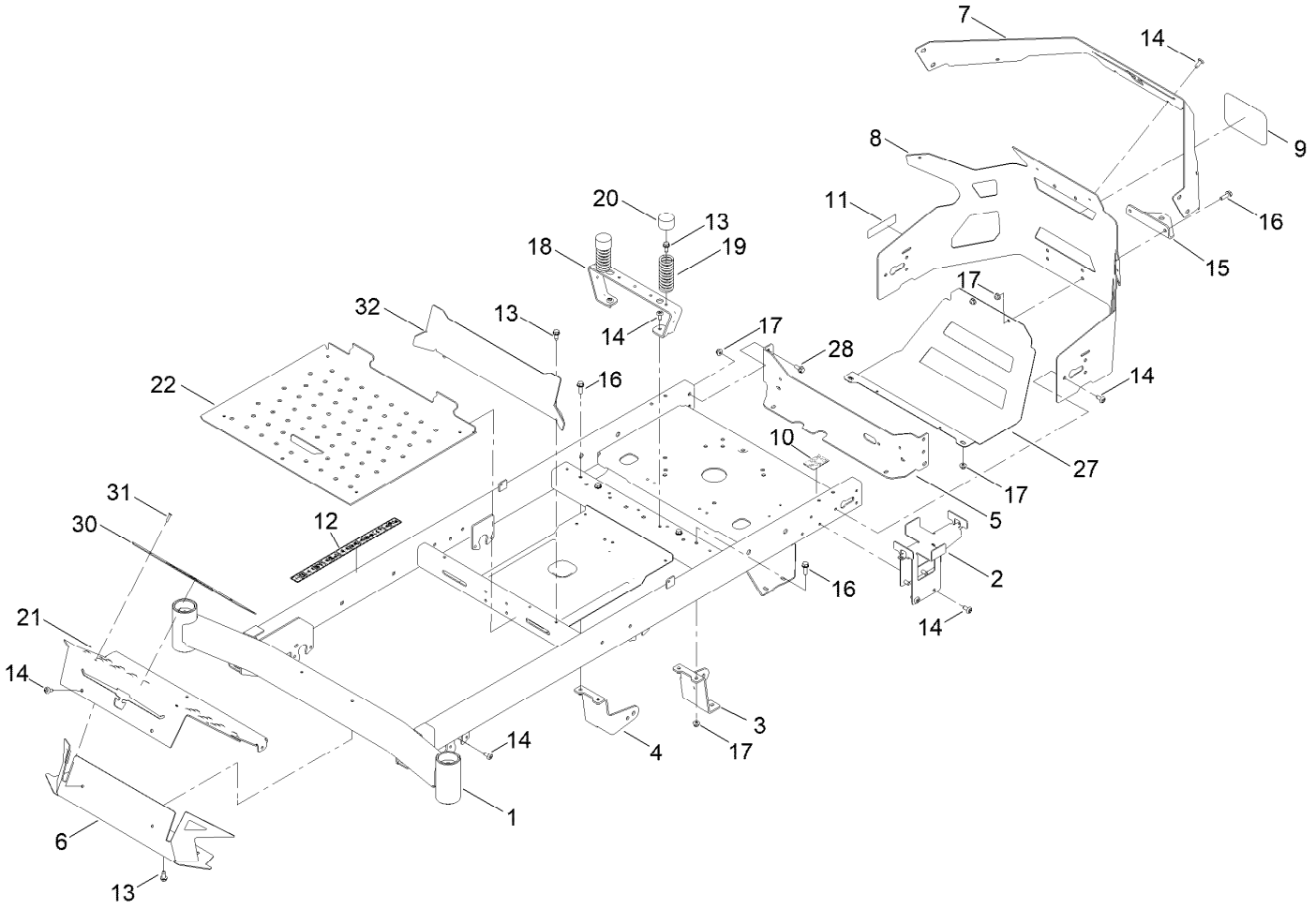
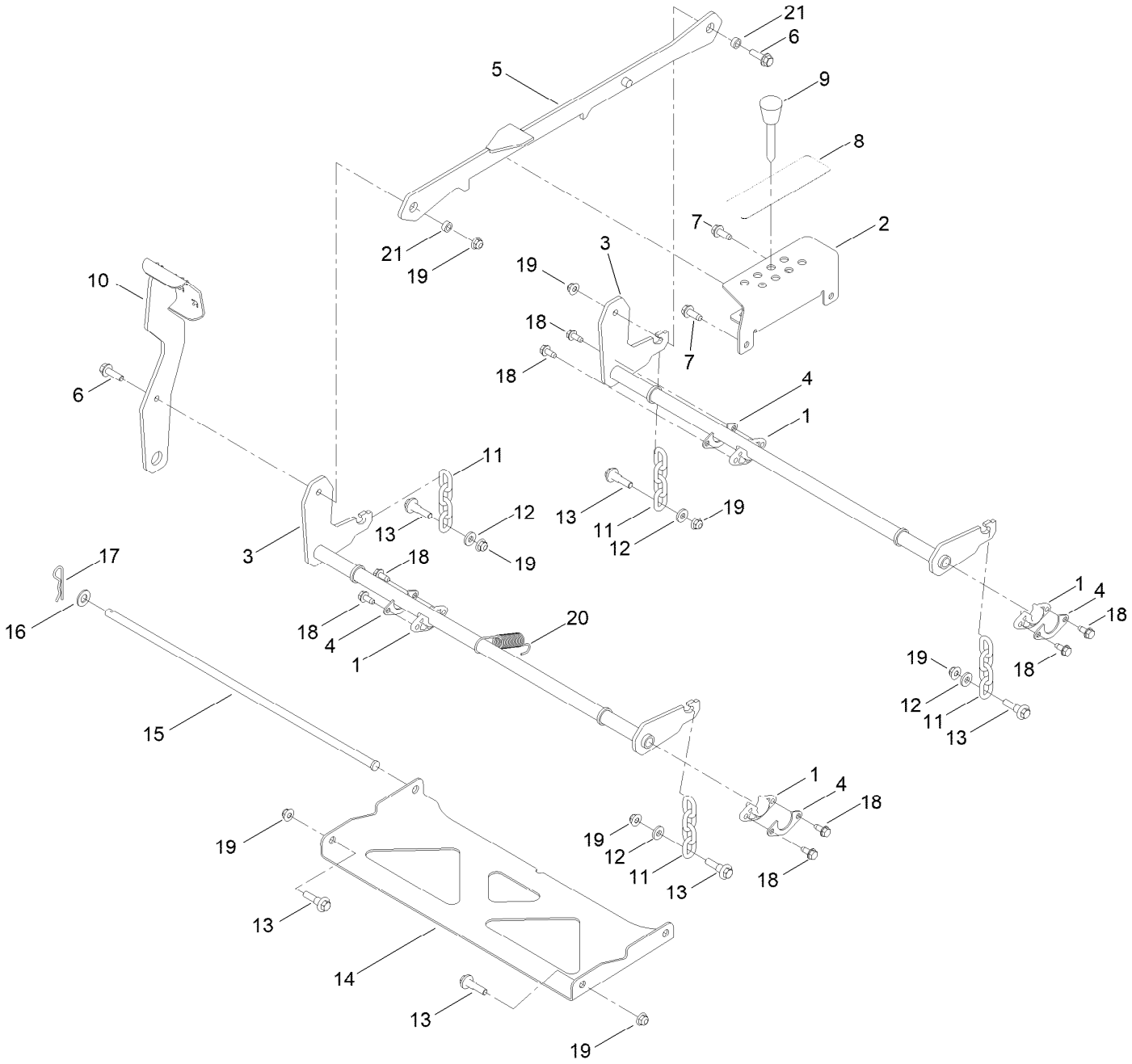
Frame Assembly



Frame Assembly (continued)

Ref.	Part Number	Qty.	Description
1	163-7978	1	Service ASM-Frame
2	163-6020-01	1	Tray-Battery
3	161-6506-01	1	Mount-Drive, LH
4	161-6507-01	1	Mount-Drive, RH
5	147-8709-03	1	Plate-Mount
6	147-2966-03	1	Footrest-Top
7	147-2995-01	1	Plate-Rear Cladding Tc
8	147-2994-03	1	Guard-Engine Tc
9	99-4693	1	Decal
10	161-6207	1	Decal-Bypass
11	142-5864	1	Decal-Spark Arrester
12	144-5288	1	Decal-Warning
13	32144-70	6	Screw-HWHTF
14	138-9753	20	Screw
15	117-1232-03	1	Bracket-Hitch
16	139-2596	6	Screw-HHF
17	119-4041	12	Nut-HF
18	145-6315-03	1	Support-Seat
19	138-2548	2	Spring-Compression
20	701178	2	Cap-Protector
21	145-6368-01	1	Plate-Kick
22	145-6370-01	1	Pan-Floor
27	163-6002-03	1	Guard-Muffler [black]
28	139-2598	4	Screw-HHF
30	147-8716-05	1	Plate- Toeboard
31	130-8451	2	Rivet-Trifold
32	147-5170-03	1	Plate-Kick

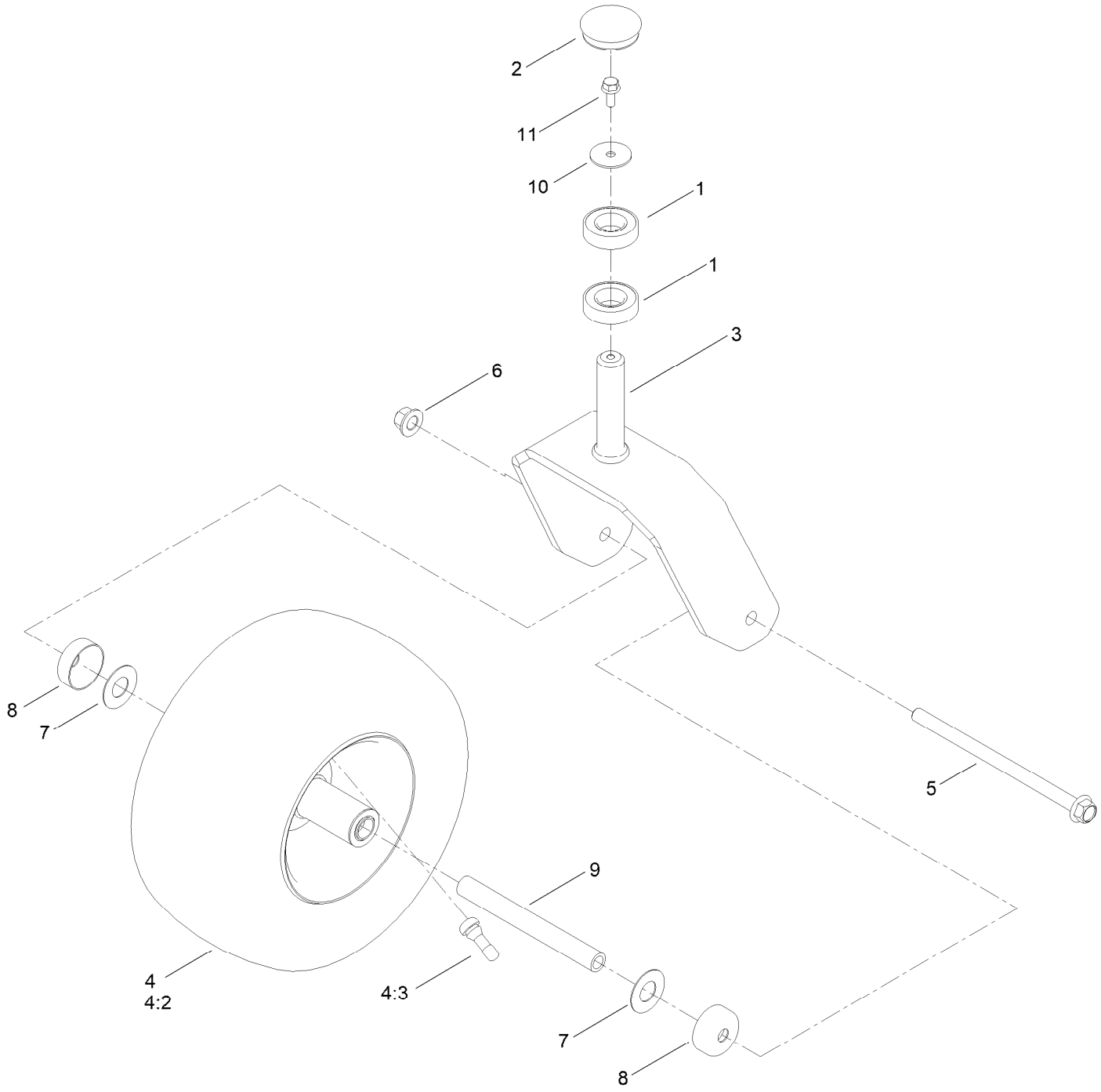
Decklift Assembly



Decklift Assembly (continued)

Ref.	Part Number	Qty.	Description
1	139-5872	4	Bearing-Flange
2	145-6257-01	1	Bracket-HOC
3	145-4645-01	2	Pivot ASM-Decklift [red]
4	138-7204	4	Gusset-Deck Lift
5	145-0557-01	1	Link ASM-HOC [red]
6	119-4061	2	Screw-HHF
7	139-2428	2	Screw-HWH
8	147-2866	1	Decal-HOC, Tc
9	140-2146	1	HOC Pin ASM
10	145-6278-01	1	Pedal ASM [red]
11	138-7205	4	Chain-Decklift, 4-Link
12	138-7207	4	Spacer-Hub, Blower
13	130-0742	6	Bolt-Shoulder
14	145-6248-03	1	Pan-Deck Pivot
15	145-6288	1	Pin-Deck
16	139-2611	1	Washer-Flat
17	139-2562	1	Pin-Hair
18	32144-70	8	Screw-HWHTF
19	119-4042	8	Nut-HF, NI
20	138-7206	1	Spring-Extension
21	140-2093	2	Spacer

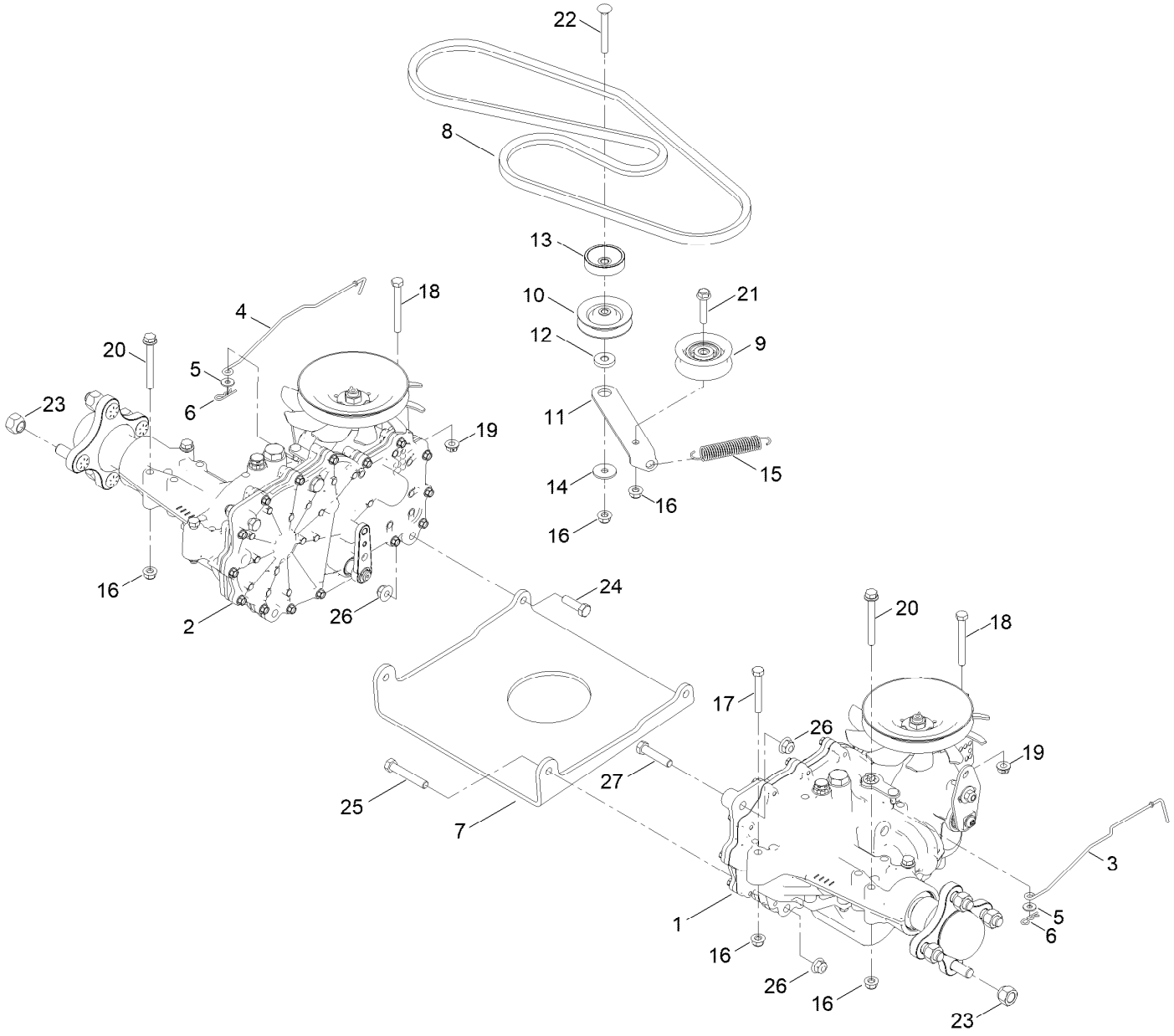
Caster Tire Assembly



Caster Tire Assembly (continued)

Ref.	Part Number	Qty.	Description
1	109-3678	4	Bearing-Ball
2	144-0375	2	Cap, Grease
3	133-4375-01	2	Fork
4	147-7598	2	Caster Tire ASM 13X6.5-6
4:2	147-7599	1	Tire 13X6.5-6
4:3	232-27	1	Stem-Valve
5	126-5389	2	Screw-HHF
6	99-5107	2	Nut-HF Nylock
7	136-5590	4	Washer
8	138-7208	4	Guard-Seal
9	133-4487	2	Spanner-Wheel
10	115-1151	2	Washer-Flat
11	100-1668	2	Screw-HHF

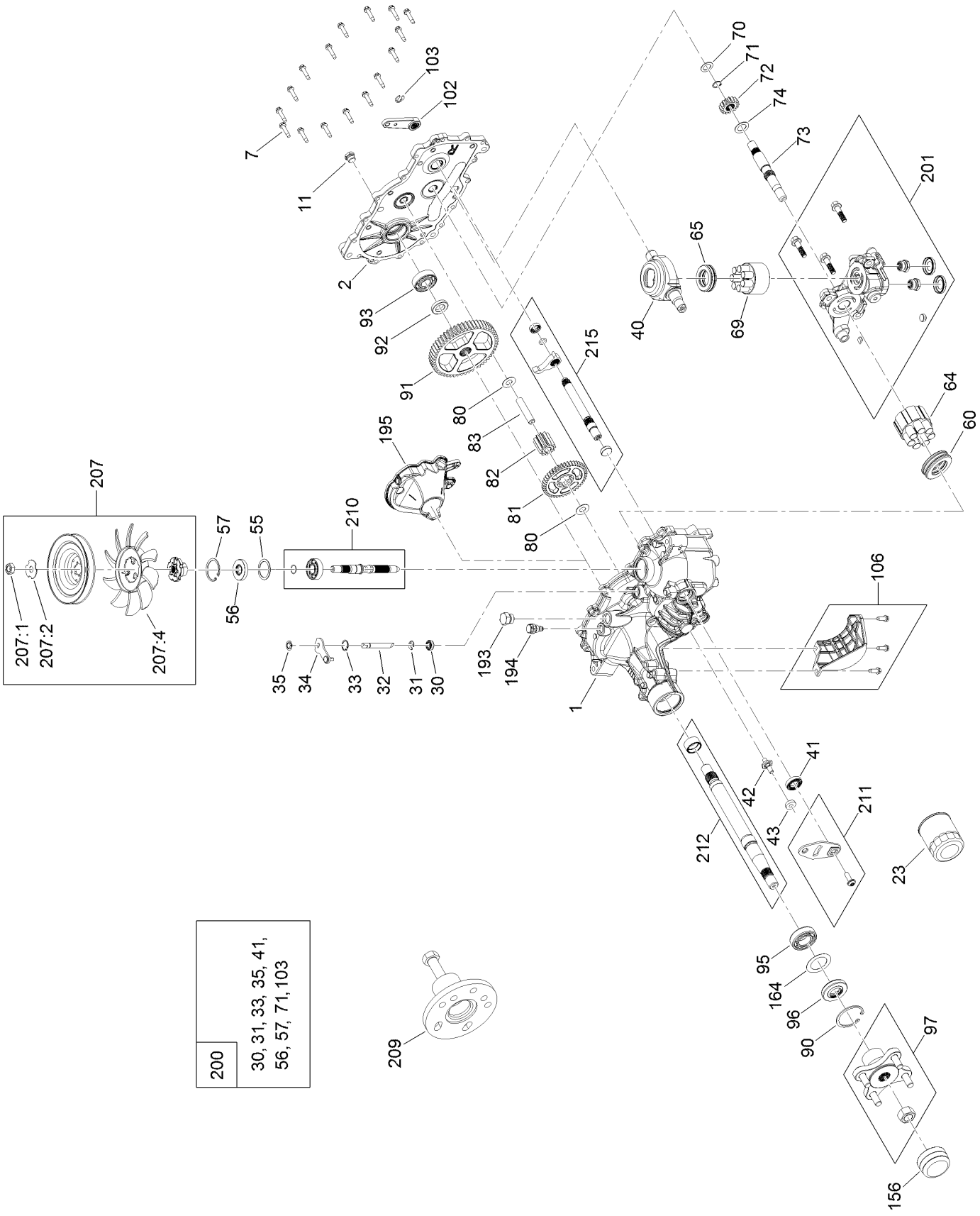
Traction Control Assembly



Traction Control Assembly (continued)

Ref.	Part Number	Qty.	Description
1	140-8301	1	LH Hydro Transmission ASM
2	140-8300	1	RH Hydro Transmission ASM
3	147-2987	1	Rod-Bypass, LH
4	147-2986	1	Rod-Bypass, RH
5	119-8952	2	Washer-Spcl
6	3290-307	2	Pin-Cotter
7	161-9754-03	1	Plate-Hydro
8	145-6362	1	V-Belt (A Sec 65.30 El)
9	138-7597	1	Pulley-Idler, Flat
10	68-0030	1	Idler
11	147-2925	1	Arm-Idler
12	138-7277	1	Spacer-Arm, Idler
13	138-9809	1	Spacer
14	5-4460	1	Washer-Pivot
15	137-7040	1	Spring-Return, Pedal
16	104-8300	8	Nut-HF, NI
17	322-11	2	Screw-HH
18	145-6388	2	Screw-HH Spcl
19	139-2574	2	Nut-HF
20	138-7590	4	Screw-HHF
21	115-1794	1	Screw-HHF
22	3230-8	1	Screw-CARR
23	139-2564	8	Nut-Lug
24	323-7	2	Screw-HH
25	323-11	2	Screw-HH
26	104-8301	6	Nut-HF, NI
27	323-9	2	Screw-HH

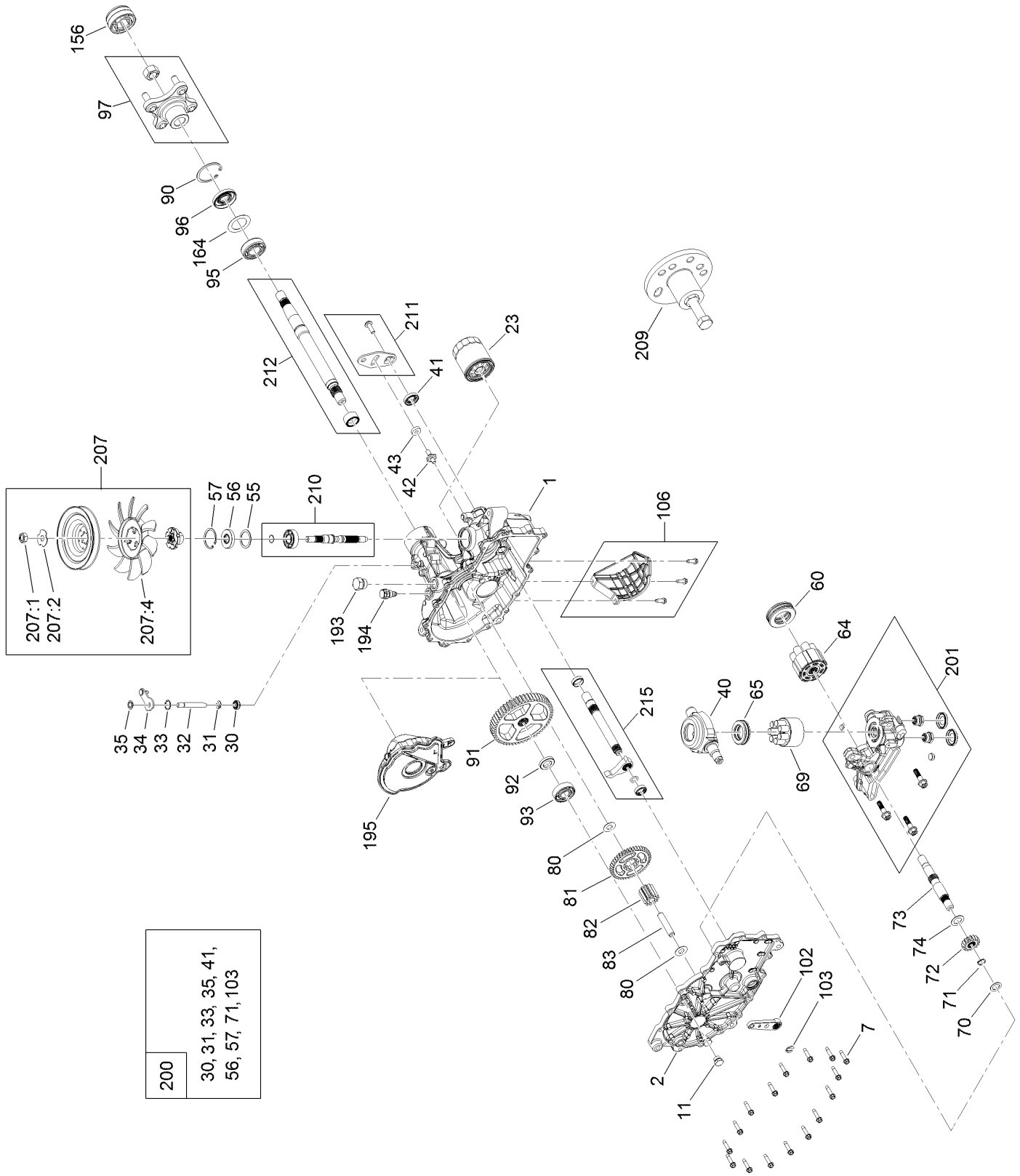
LH Hydro Transmission Assembly No. 140-8301



LH Hydro Transmission Assembly No. 140-8301 (continued)

Ref.	Part Number	Qty.	Description
1	140-8346	1	RH Control Main Housing Kit
2	140-8349	1	RH Side Cover Kit
7	117-5359	16	Screw-HHF
11	135-1140	1	Plug-Straight
23	109-3321	1	Element-Oil Filter, HYD
30	139-7497	1	Seal-Lip
31	106-8677	1	Ring-Retaining, External
32	114-1685	1	Rod-Bypass
33	106-8679	1	Ring-Retaining, Internal
34	112-9852	1	Arm-Bypass
35	106-8681	1	Ring-Retaining, External
40	104-5304	1	Swashplate-Trunnion
41	104-5313	1	Seal-Lip
42	104-2116	1	Stud
43	112-9853	1	Puck-Friction
55	104-5308	1	Spacer
56	104-5310	1	Seal-Lip
57	104-5309	1	Ring-Retaining
60	112-4154	1	Bearing-Thrust
64	139-4074	1	Cylinder Block ASM Kit
65	94-6922	1	Bearing-Thrust
69	110-8561	1	Pump Block ASM
70	104-5339	1	Washer-Flat
71	104-5340	1	Ring-Retaining
72	121-5749	1	Gear-16T
73	114-1691	1	Shaft-Motor
74	104-5360	1	Washer
80	94-1933	2	Washer
81	125-0000	1	Gear-43T
82	114-1693	1	Gear-11T
83	104-5329	1	Pin-Jackshaft
90	104-2169	1	Ring-Retaining
91	114-1694	1	Gear-54T
92	120-7975	1	Spacer
96	104-2144	1	Seal
97	109-5939	1	Hub Kit
102	125-0021	1	Handle-Brake
103	131-0906	1	Ring-Retaining, EXT
106	139-7499	1	Filter Guard Kit
156	115-5057	1	Cover-Nut, Axle
164	121-5745	1	Spacer
193	140-8343	1	Plug
194	140-8356	1	Breather Fitting ASM
195	140-8357	1	RH Internal Expansion Tank ASM
200	140-8351	1	Seal Kit
201	132-0940	1	RH Center Section Kit
207	135-7343	1	Fan And Pulley Kit
209	114-8467	1	Puller-Hub, 4 Bolt
210	140-8344	1	Input Shaft Kit
211	117-5362	1	Control Arm Kit
212	114-8470	1	Axle Shaft Kit
215	140-8352	1	Inboard Kit

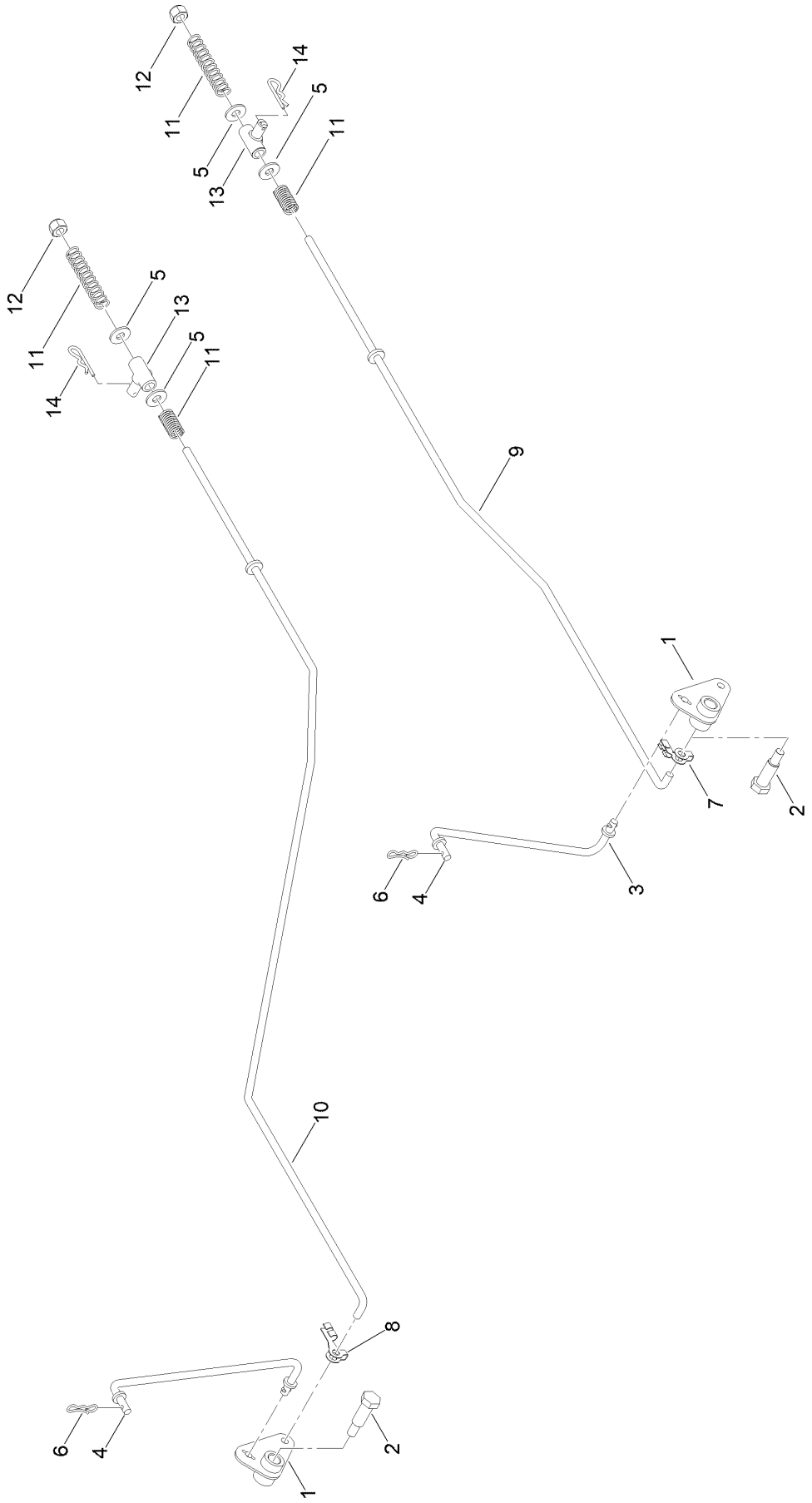
RH Hydro Transmission Assembly No. 140-8300



RH Hydro Transmission Assembly No. 140-8300 (continued)

Ref.	Part Number	Qty.	Description
1	140-8348	1	LH Control Main Housing Kit
2	140-8350	1	LH Side Cover Kit
7	117-5359	16	Screw-HHF
11	135-1140	1	Plug-Straight
23	109-3321	1	Element-Oil Filter, HYD
30	139-7497	1	Seal-Lip
31	106-8677	1	Ring-Retaining, External
32	114-1685	1	Rod-Bypass
33	106-8679	1	Ring-Retaining, Internal
34	107-2490	1	Arm-Bypass
35	106-8681	1	Ring-Retaining, External
40	104-5304	1	Swashplate-Trunnion
41	104-5313	1	Seal-Lip
42	104-2116	1	Stud
43	112-9853	1	Puck-Friction
55	104-5308	1	Spacer
56	104-5310	1	Seal-Lip
57	104-5309	1	Ring-Retaining
60	112-4154	1	Bearing-Thrust
64	139-4074	1	Cylinder Block ASM Kit
65	94-6922	1	Bearing-Thrust
69	110-8561	1	Pump Block ASM
70	104-5339	1	Washer-Flat
71	104-5340	1	Ring-Retaining
72	121-5749	1	Gear-16T
73	114-1691	1	Shaft-Motor
74	104-5360	1	Washer
80	94-1933	2	Washer
81	125-0000	1	Gear-43T
82	114-1693	1	Gear-11T
83	104-5329	1	Pin-Jackshaft
90	104-2169	1	Ring-Retaining
91	114-1694	1	Gear-54T
92	120-7975	1	Spacer
96	104-2144	1	Seal
97	109-5939	1	Hub Kit
102	125-0021	1	Handle-Brake
103	131-0906	1	Ring-Retaining, EXT
106	139-7498	1	Filter Guard Kit
156	115-5057	1	Cover-Nut, Axle
164	121-5745	1	Spacer
193	140-8343	1	Plug
194	140-8356	1	Breather Fitting ASM
195	140-8358	1	LH Internal Expansion Tank ASM
200	140-8351	1	Seal Kit
201	125-0036	1	Center Section Kit
207	135-7343	1	Fan And Pulley Kit
209	114-8467	1	Puller-Hub, 4 Bolt
210	140-8344	1	Input Shaft Kit
211	117-5362	1	Control Arm Kit
212	114-8470	1	Axle Shaft Kit
215	140-8353	1	Inboard Kit

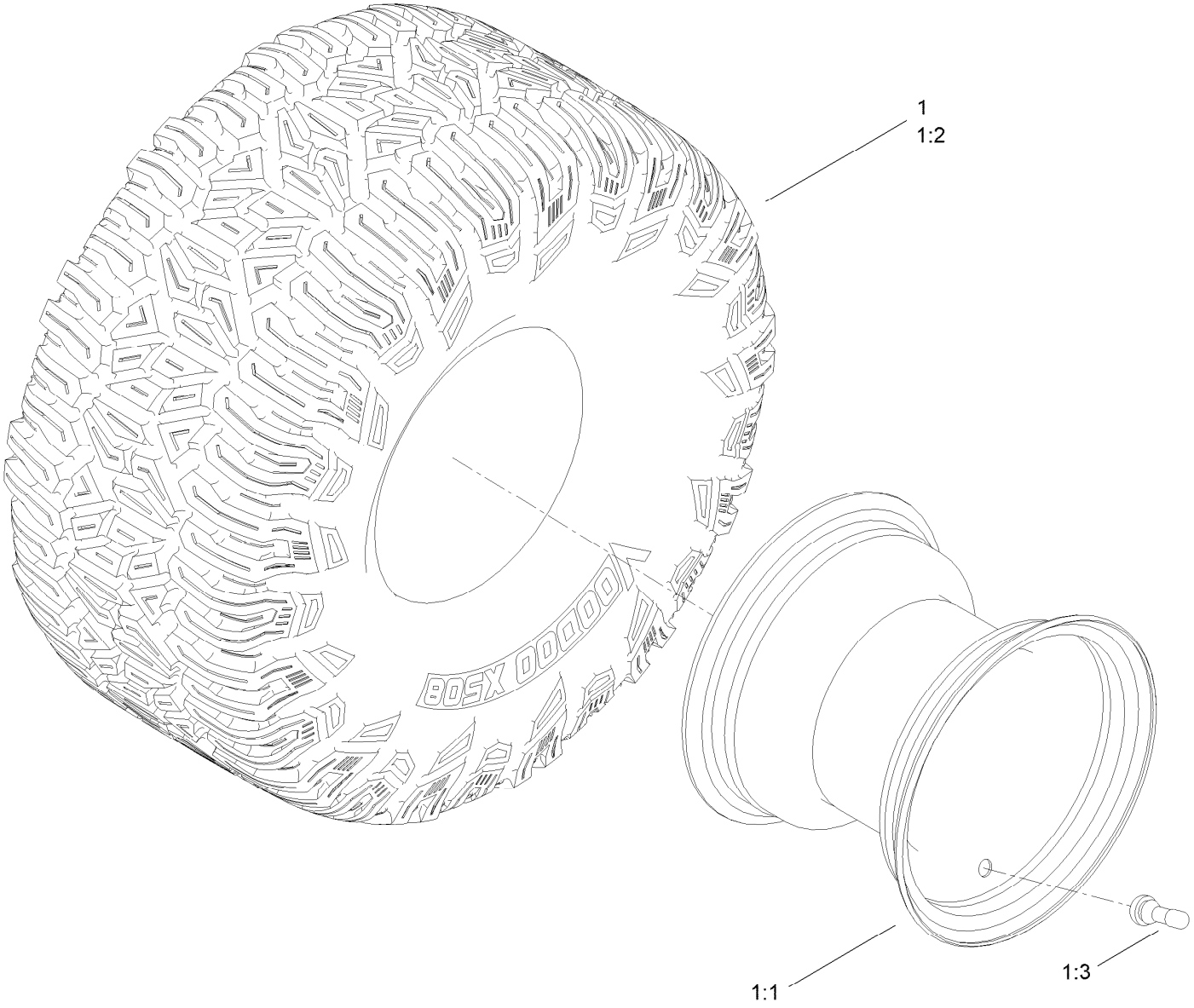
Brake Assembly



Brake Assembly (continued)

Ref.	Part Number	Qty.	Description
1	161-6420	2	Bellcrank
2	145-6364	2	Bolt-Shoulder
3	145-4607	1	Link-Brake, LH
4	145-6238	1	Link-Brake, RH
5	119-8952	4	Washer-Spcl
6	119-1414	2	Pin-Cotter, Locking
7	144-1816	1	Clip-Rod, LH (7L, 1/4In)
8	144-1815	1	Clip-Rod, RH (7R, 1/4In)
9	145-6372	1	Rod-Brake LH
10	145-6371	1	Rod-Brake, RH
11	121-5654	4	Spring-Compression
12	3296-42	2	Nut-Lock, NI
13	161-6635	2	Mount-Pivot
14	3290-307	2	Pin-Cotter

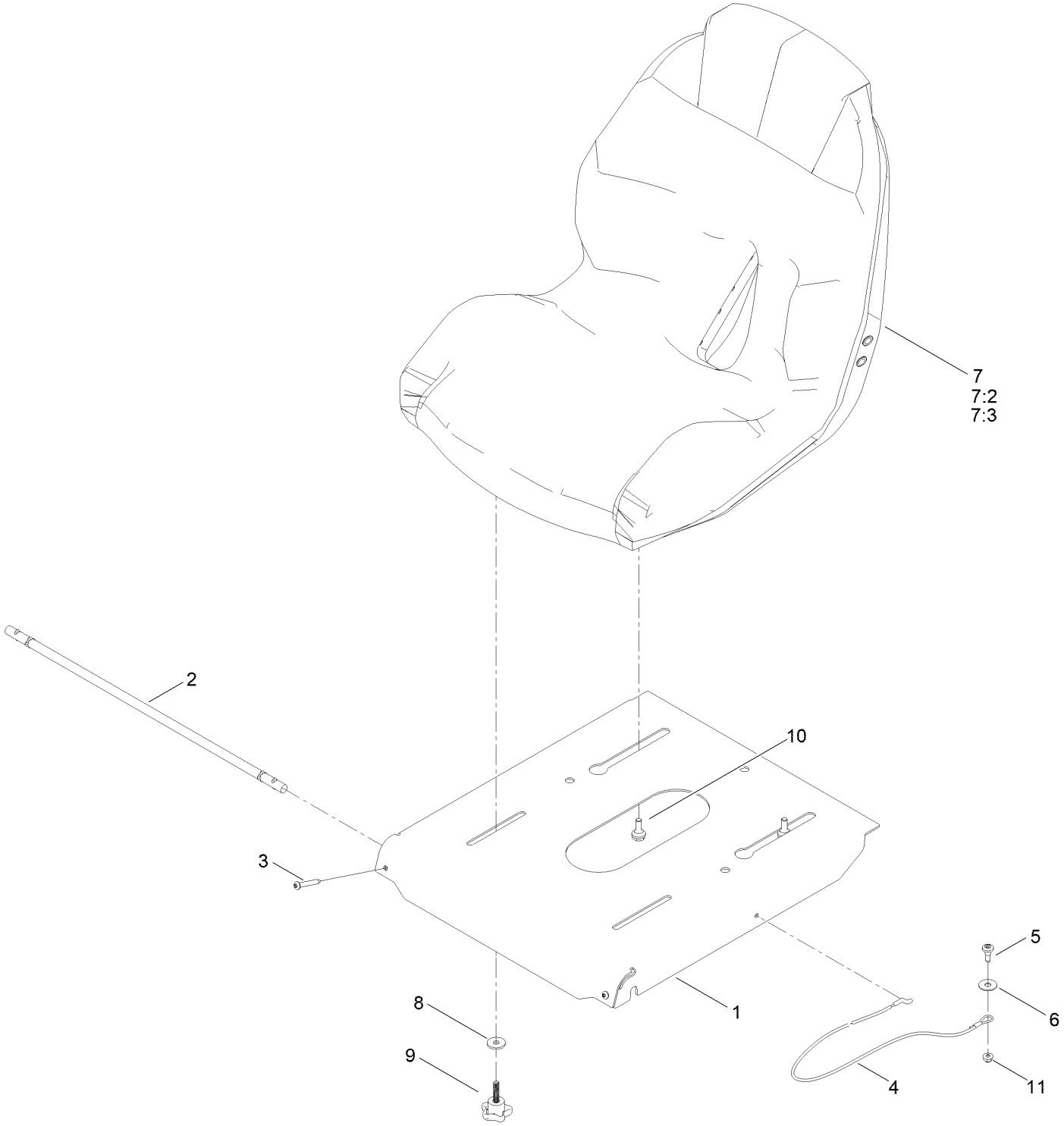
Tire Assembly



Tire Assembly (continued)

Ref.	Part Number	Qty.	Description
1	145-6391	2	Tire ASM
1:1	147-5180	1	Rim
1:2	147-5179	1	Tire
1:3	232-27	1	Stem-Valve

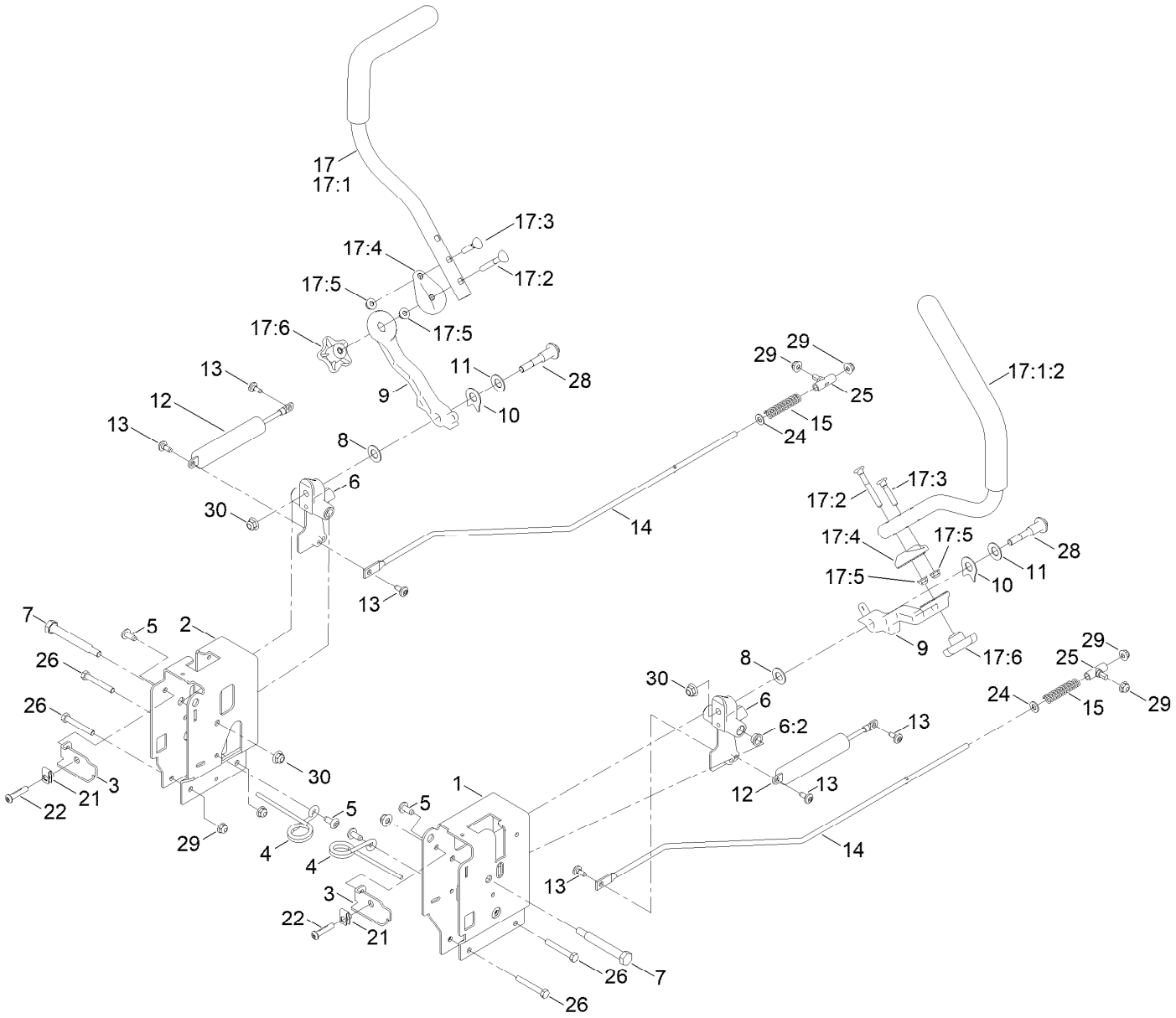
Seat Pan Assembly



Seat Pan Assembly (continued)

Ref.	Part Number	Qty.	Description
1	147-3002-03	1	Pan-Seat
2	147-5169	1	Rod-Pivot
3	147-5175	2	Screw-Tbh,Thd Roll
4	161-4452	1	Cable-Lanyard, 26.75In
5	135-2015	1	Screw-Shoulder
6	147-5287	1	Washer-Flat
7	147-8732	1	Seat ASM - Seat King Sk130
7:2	147-8752	1	Cover-Seat
7:3	82-2190	1	Switch-Bail
8	1-603716	2	Washer-Friction
9	139-2401	2	Knob
10	147-5174	2	Bolt-Shoulder,Hfh
11	119-4040	1	Nut-HF, NI

Motion Control Assembly

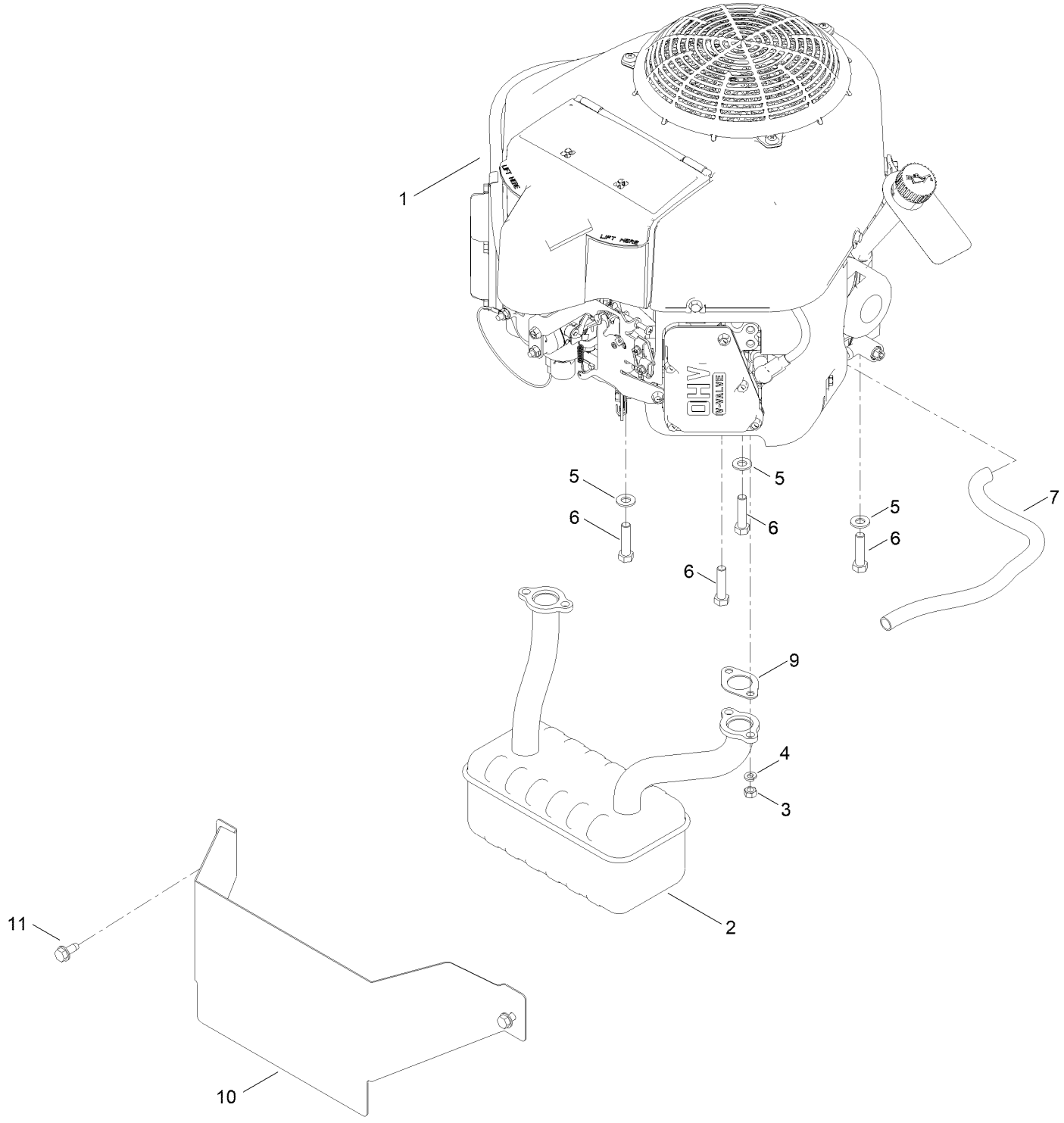


Motion Control Assembly (continued)

Ref.	Part Number	Qty.	Description
1	163-5941-03	1	Control Box - LH
2	163-5942-03	1	Control Box - RH
3	163-3189	2	Adjustment Plate-Control Box
4	145-6253	2	Spring-Torsion
5	138-9753	4	Screw
6	145-4648	2	Pivot Arm ASM
6:2	256-156	2	Bushing-Flange
7	115-5099	2	Bolt-Pivot
8	120-2273	2	Washer-Flat
9	147-5191-05	2	Arm-Control, 32 Teeth
10	142-8478	2	Spacer, Anti-Rotation
11	119-8925	2	Washer-Belleville
12	161-6514	2	Damper - Non Cavitating
13	120-7950	6	Screw-Torx
14	145-4699	2	Rod - Hydro, LH
15	138-7252	2	Spring-Compression
17	161-6523	2	Handle-Control, ASM
17:1		1	Handle-Control, ●
17:1:2	147-3029	1	Grip
17:2	145-6366	1	Screw-Handle
17:3	137-3008	1	Screw-Handle
17:4	147-5192-05	1	Disc-Adjustment Handle, 32 Teeth
17:5	138-8401	2	Nut-HF
17:6	117-5976	1	Knob-Handle
21	112-3306	2	Nut
22	126-4299	2	Screw-HSBH
24	120-9683	2	Washer-Plain
25	138-7218	2	Mount-Rod, Hydro
26	322-11	4	Screw-HH
28	117-1198	2	Bolt-Pivot
29	104-8300	8	Nut-HF, NI
30	104-8301	4	Nut-HF, NI

● Not serviced separately

Engine and Muffler Assembly

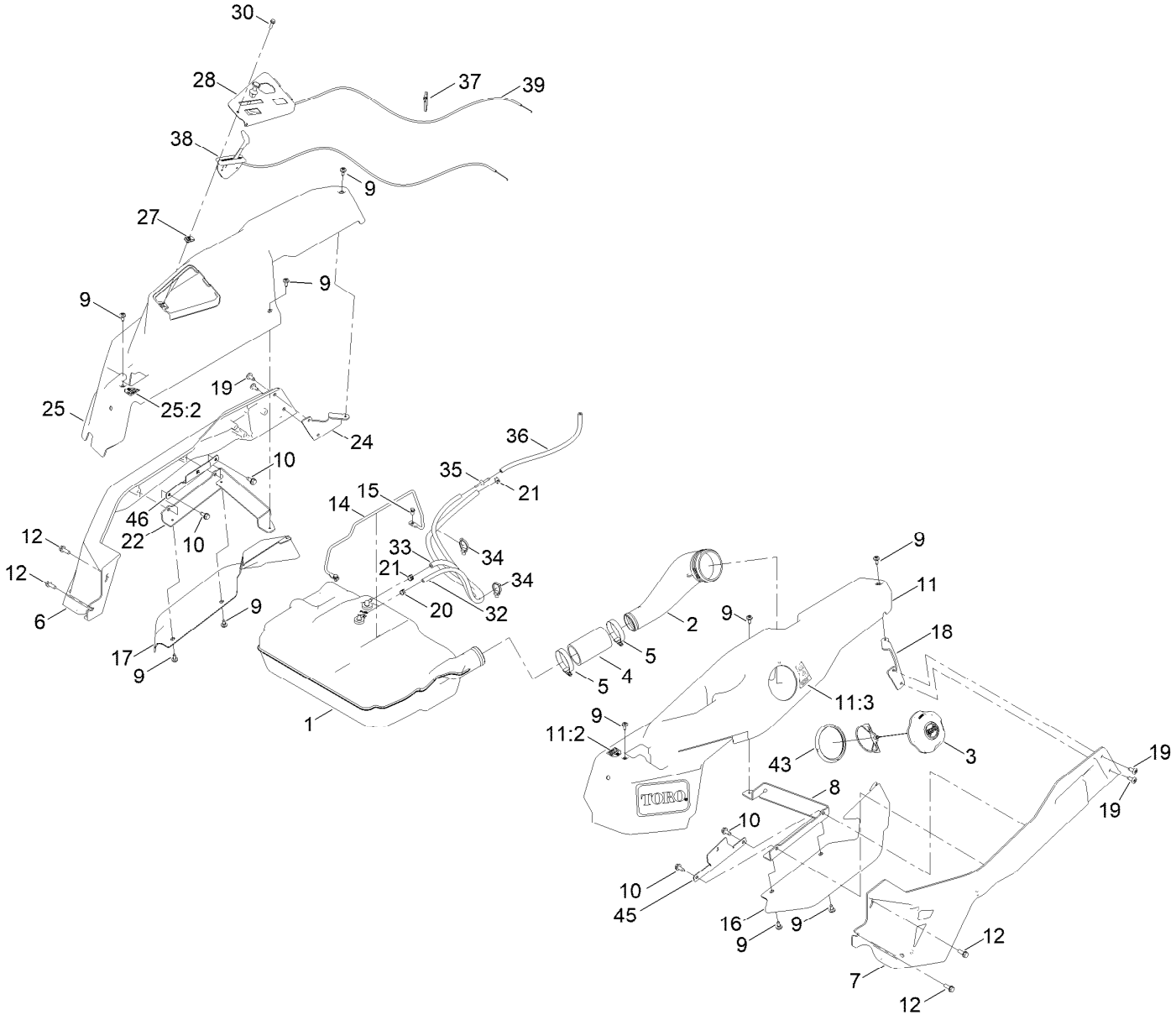


Engine and Muffler Assembly (continued)

Ref.	Part Number	Qty.	Description
1		1	Engine-Kawasaki Fr691 ■▲
1:1	119-5852	1	Filter-Oil ●
1:2	142-6949	1	Filter-Fuel ●
1:3	92-2153	2	Plug-Spark ●
1:4	120-7448	1	Filter-Air, Paper ●
2	139-5867	1	Muffler
3	114-3549	4	Nut
4	114-3550	4	Washer-Lock
5	3256-24	3	Washer-Plain
6	323-50	4	Bolt-HH
7	106-7022	1	Tube-Drain, Oil
9	1-653313	2	Gasket-Exhaust
10	161-6649-03	1	Heat Shield - Muffler
11	32144-70	2	Screw-HWHTF

● Not illustrated
▲ Obtain parts from www.kawpower.com
■ Not serviced separately

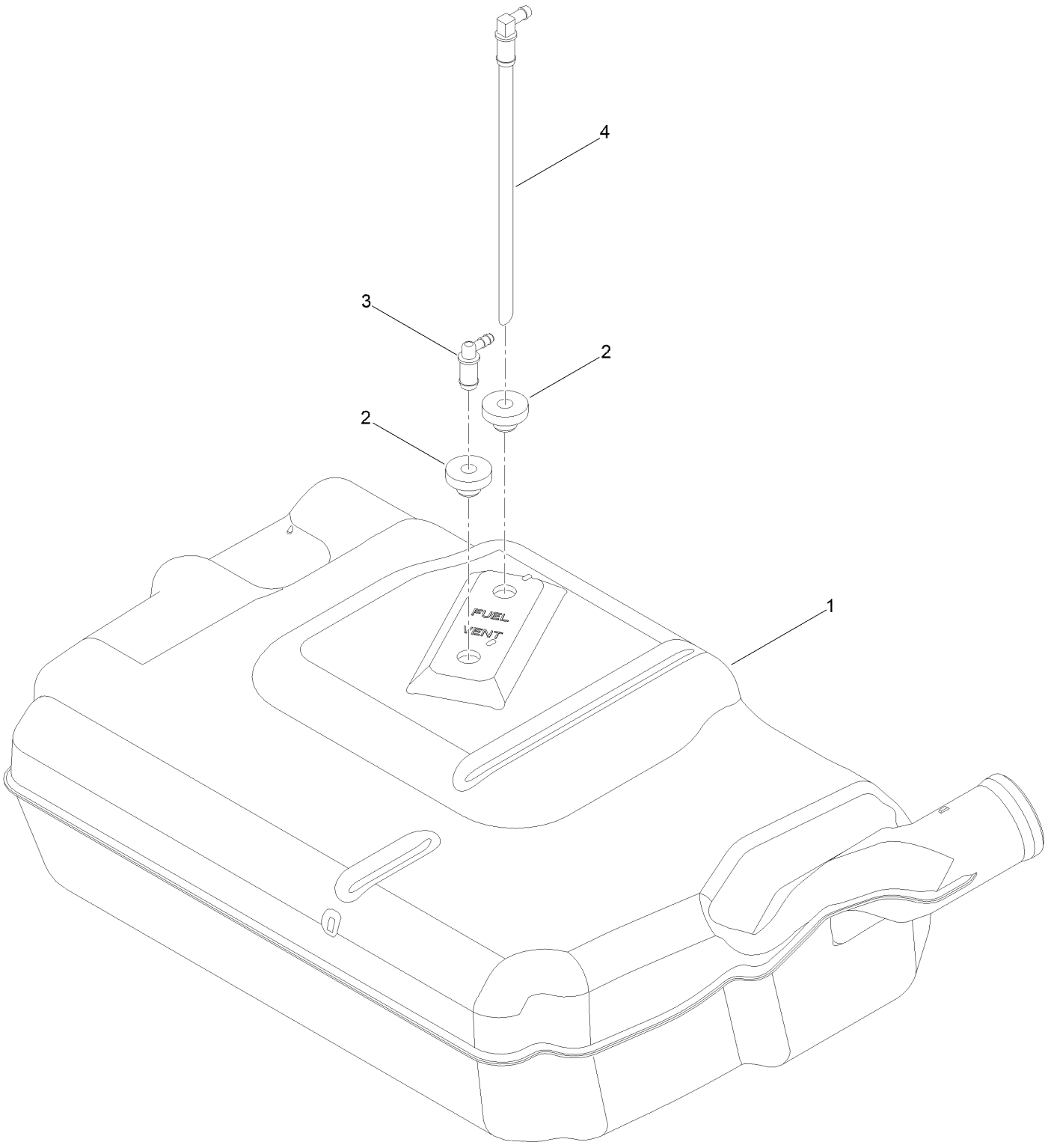
Fuel Tank Assembly



Fuel Tank Assembly (continued)

Ref.	Part Number	Qty.	Description
1	161-6588	1	Fuel Tank ASM
2	147-2852	1	Neck-Filler, Fuel
3	163-5914	1	Cap Fuel, Ratcheting
4	145-4698	1	Hose-Filler, Fuel
5	2412-130	2	Clamp-Hose
6	147-2973-01	1	Cast-Tube, RH
7	147-2972-01	1	Cast-Tube, LH
8	147-2974-03	1	Mount-Pod Bracket LH
9	120-7950	10	Screw-Torx
10	32144-70	4	Screw-HWHTF
11	147-8741	1	Pod ASM - LH W/Decals
11:2	139-2395	1	Decal-Control Lever, LH
11:3	147-2399	1	Decal-Fuel Fill
12	32144-41	4	Screw-Taptite
14	147-5176	1	Rod-Hold Down
15	32144-4	2	Screw-HWH
16	147-2978	1	Fender-Time Cutter, LH
17	147-2979	1	Fender-Time Cutter, RH
18	147-2976-03	1	Bracket-Rear Pod, LH
19	138-9753	4	Screw
20	2412-80	1	Clamp-Hose
21	2412-98	2	Clamp-Hose
22	147-2975-03	1	Mount-Pod Bracket RH
24	147-2977-03	1	Mount-Pod Bracket RH
25	147-8742	1	Pod ASM - RH W/Decals
25:2	139-2394	1	Decal-Control Lever, RH
27	107069	1	Clip
28	147-2990-03	1	Panel-Control
30	32105-15	1	Screw-HWH
32	140-4956	1	Hose-Fuel
33	109-0275	1	Hose-Fuel
34	32180-030	2	Clip-Tie
35	144-1983	1	Adapter Orifice
36	108-6344	1	Hose-Fuel
37	614249	4	Tie-Cable
38	139-2403	1	Cable-Throttle
39	139-2402	1	Cable-Choke
43	147-7712	1	Ring-Retaining
45	161-4609-03	1	Bracket-Alignment, Pod LH
46	161-4610-03	1	Bracket- Alignment, Pod RH

Fuel Tank Assembly No. 161-6588

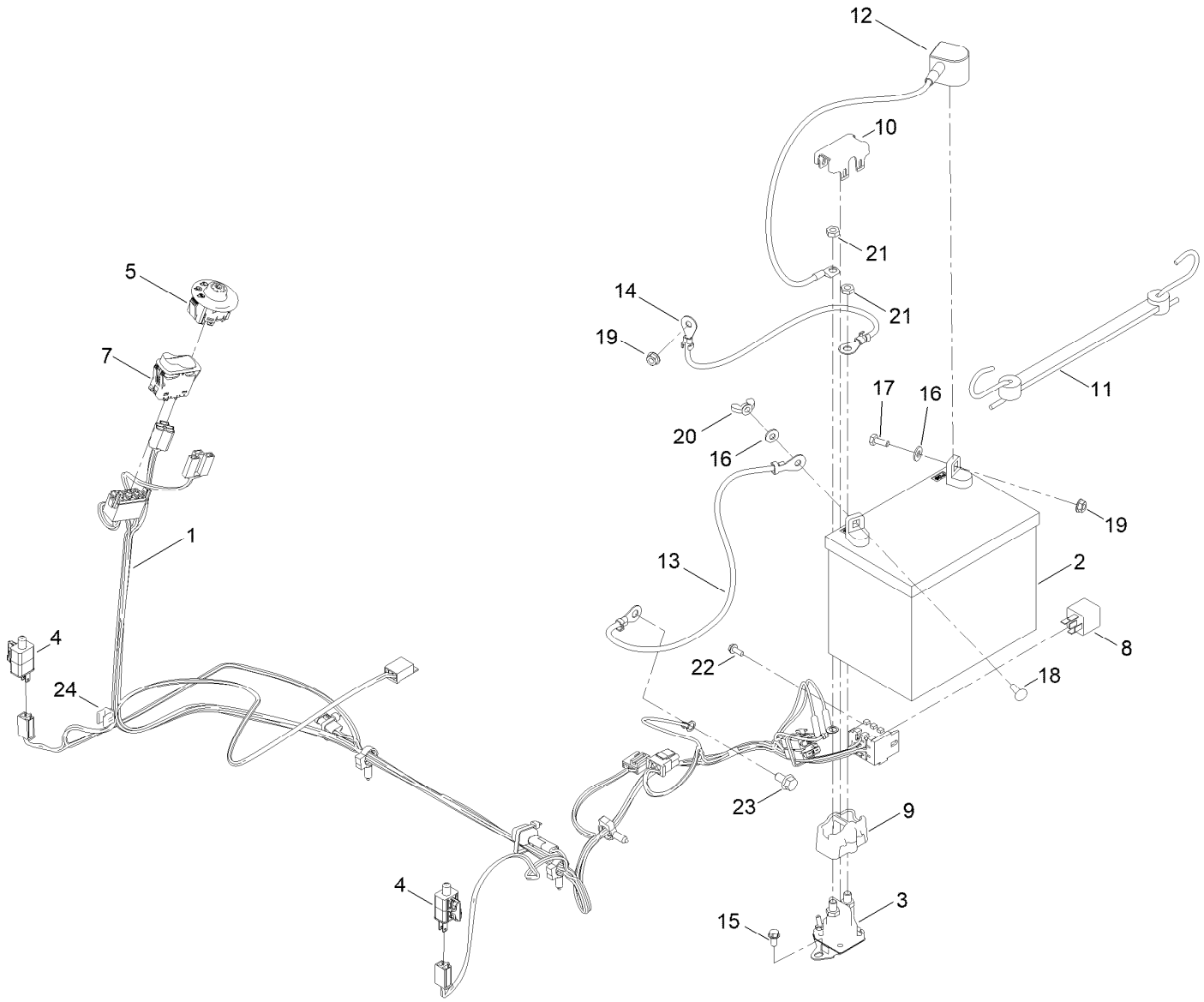


Fuel Tank Assembly No. 161-6588 (continued)

Ref.	Part Number	Qty.	Description
1		1	Tank-Fuel ●
2	46-6560	2	Bushing
3	161-6609	1	Fitting-Elbow 90
4	147-2934	1	Fitting-Pickup, Fuel

● Not serviced separately

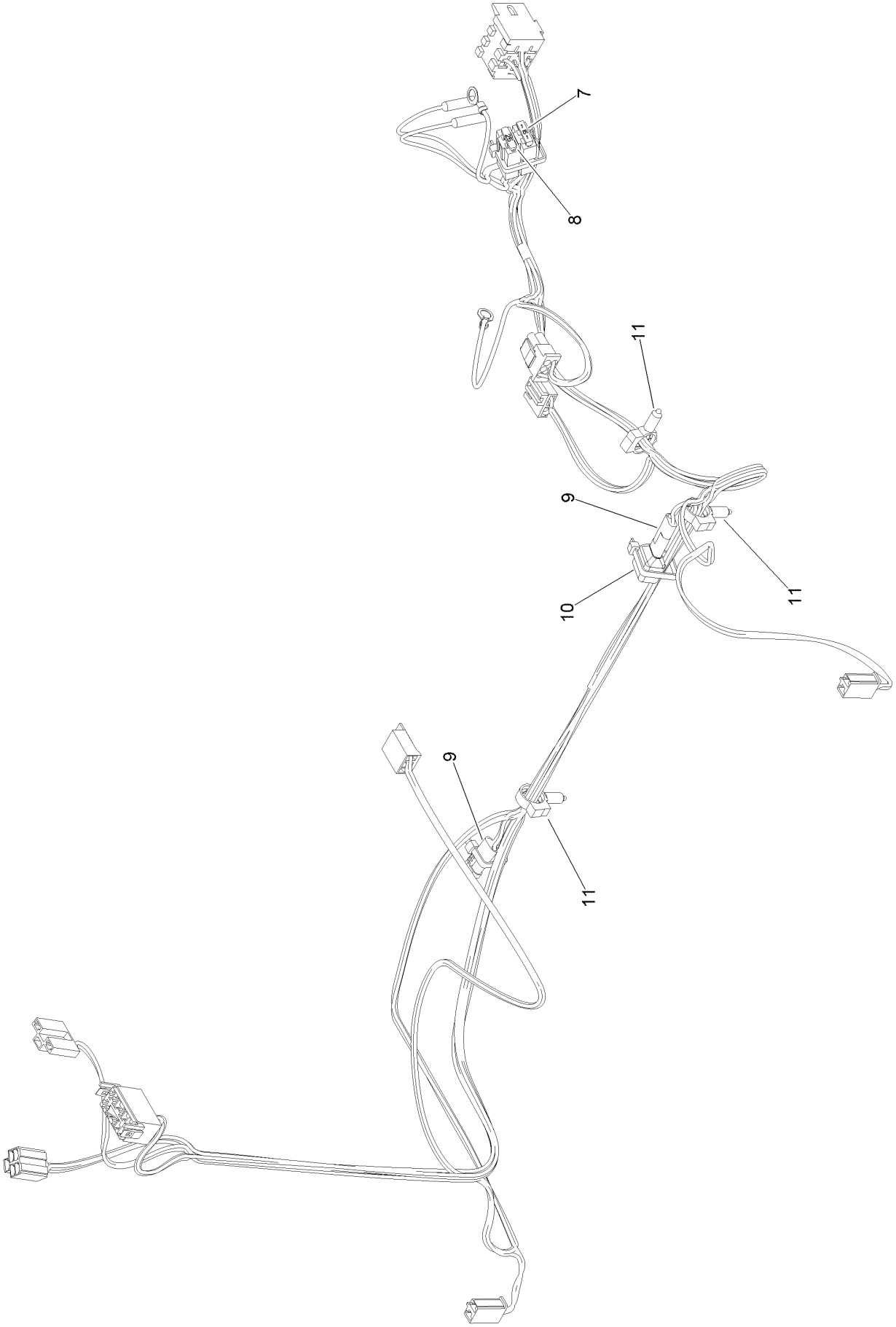
Electrical Assembly



Electrical Assembly (continued)

Ref.	Part Number	Qty.	Description
1	145-6382	1	Harness-Wire, Main
2	140-2076	1	Battery - Wet
3	117-1197	1	Solenoid
4	110-6765	2	Switch
5	137-4100	1	Switch-Ignition
7	139-6368	1	Switch-Rocker, On-None-On
8	1-643275	1	Relay
9	140-2080	1	Cover-Solenoid
10	140-2081	1	Cap-Solenoid
11	104-2466	1	Holddown-Battery
12	147-2941	1	Cable-Battery,Red
13	119-8899	1	Cable-Battery, Black
14	121-0711	1	Cable-Battery, Positive
15	32144-4	2	Screw-HWH
16	3256-22	2	Washer-Flat
17	321-3	1	Screw-HH
18	3229-1	1	Screw-CARR
19	32128-33	2	Nut-HF
20	32103-22	1	Nut-Wing
21	3220-2	2	Nut-Hex Jam
22	139-1713	1	Screw-Thd Roll
23	33104-016	1	Screw-HHF
24	32180-082	1	Clip-Edge W/Tie, Perpendicular

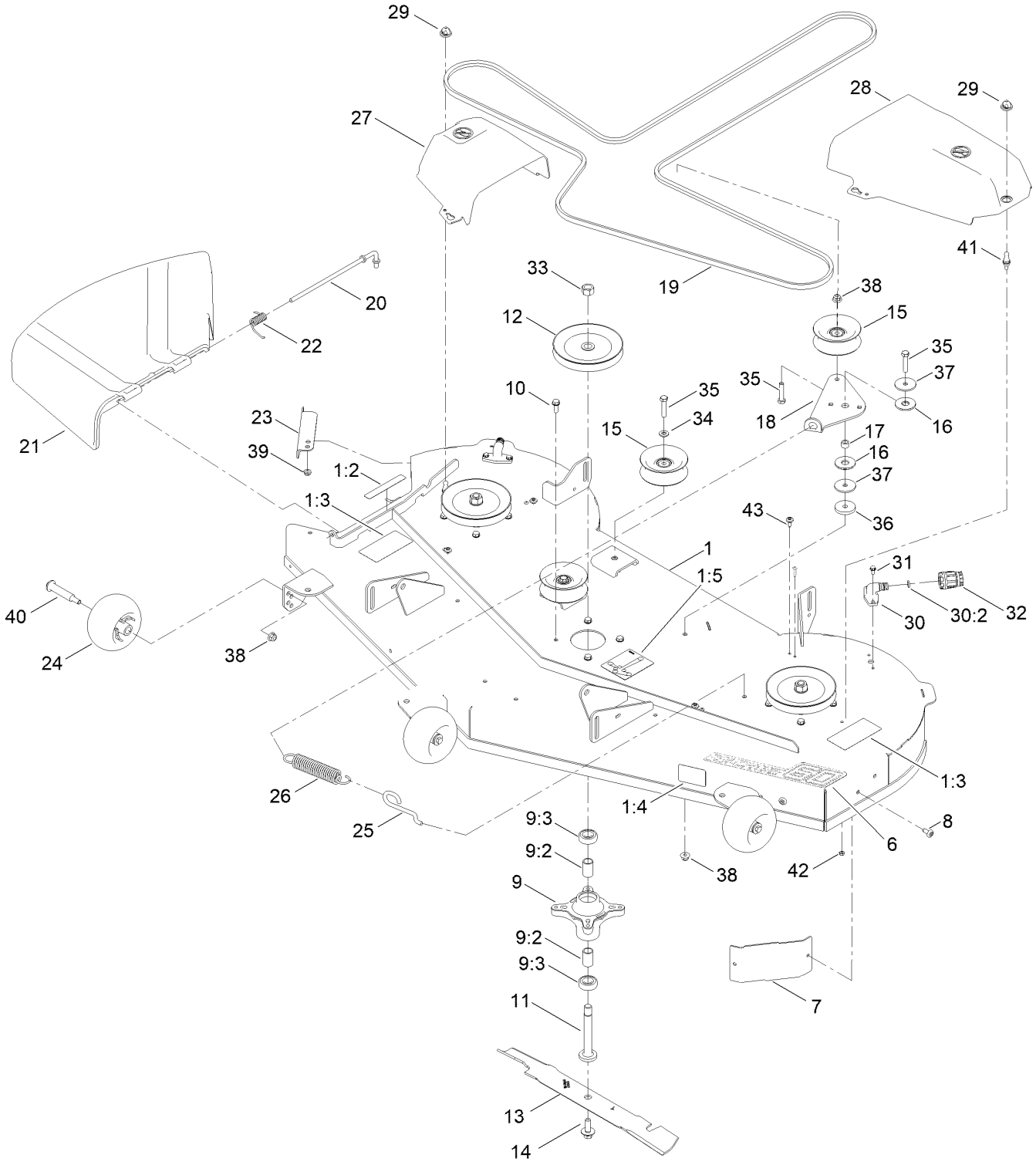
Main Wire Harness Assembly No. 145-6382



Main Wire Harness Assembly No. 145-6382 (continued)

Ref.	Part Number	Qty.	Description
7	109355	1	Fuse-Blade, 15 Amp
8	109102	1	Fuse-Blade, 25 Amp
9	32160-029	1	Connector-Molded, 1F,1M
10	100-4918	1	Diode
11	32180-047	3	Clip-Tubing, Harness

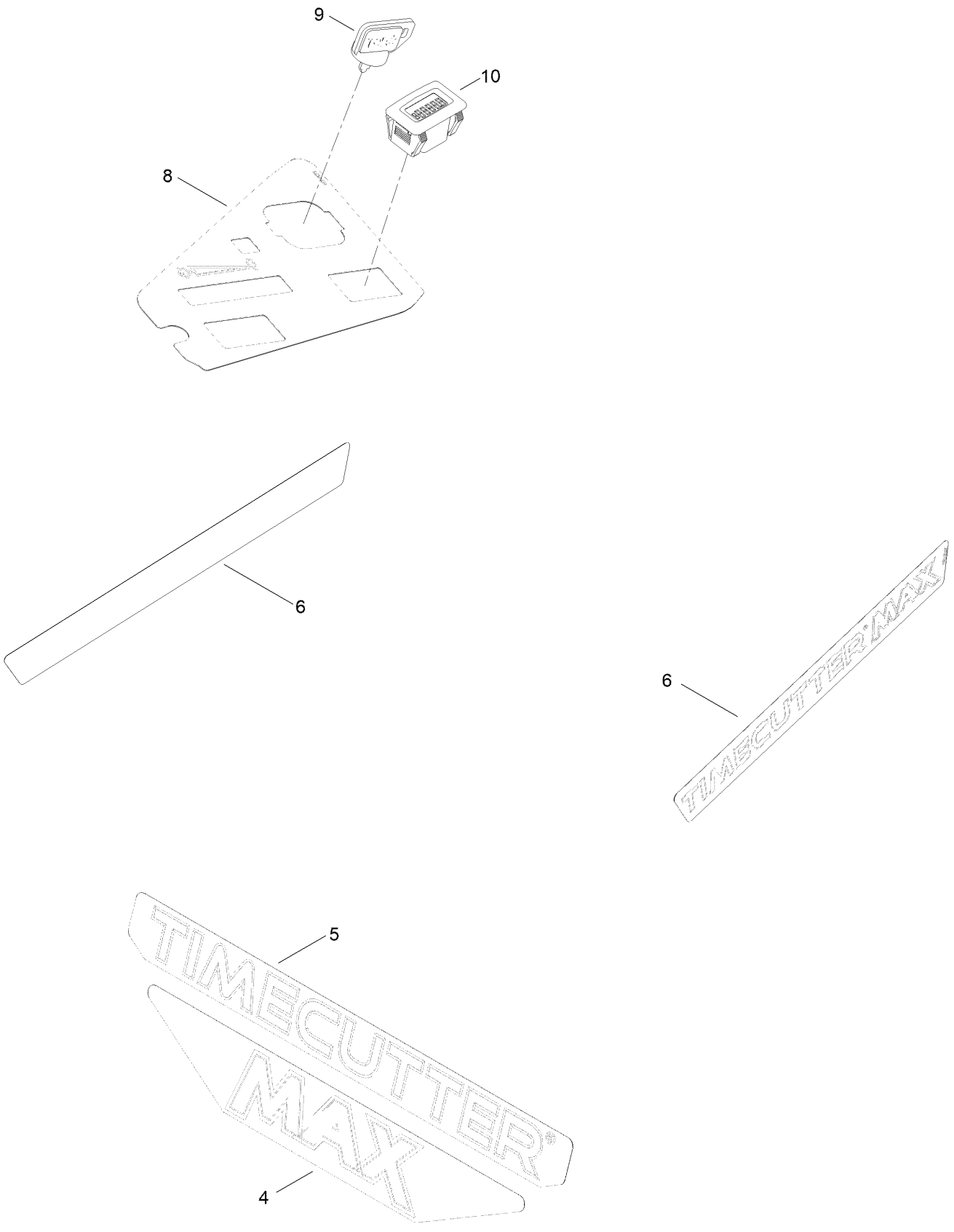
60 Inch Deck and Decal Assembly



60 Inch Deck and Decal Assembly (continued)

Ref.	Part Number	Qty.	Description
1	147-8747	1	60 In Deck & Decal ASM
1:2	130-0731	1	Decal-Danger
1:3	132-0872	2	Decal-Danger, Deck
1:4	112-9840	1	Decal-Scalp, Anti
1:5	99-3943	1	Decal-Routing, Belt
6	147-7564	1	Decal - Iron Forged 60
7	139-2448-03	1	Baffle-Corner
8	138-9753	2	Screw
9	139-3214	3	Spindle ASM
9:2	120-7935	2	Spacer
9:3	138-9770	2	Bearing-Ball
10	32144-41	12	Screw-Taptite
11	117-7268	3	Shaft-Spindle
12	133-1199	3	Pulley
13	115-9649-03	3	Blade-Hi Flow
14	145-0411	3	Bolt-Blade, Sems
15	132-9420	3	Pulley-Idler, Flat
16	114-0463	2	Washer-Friction, Composite
17	115-4986	1	Spacer
18	138-7262	1	Arm-Idler (Mty/Wdm)
19	147-2911	1	Belt-V (A Sec, 154.96 El)
20	137-2019	1	Rod-Pivot
21	138-7502	1	Deflector-Discharge
22	138-7268	1	Spring-Torsion
23	138-9800-03	1	Baffle-Cutoff
24	1-603299	3	Roller-Scalp, Anti
25	138-7266	1	Spring-Return, Hook
26	138-7264	1	Spring-Extension
27	147-2853	1	Cover-Belt, RH
28	147-2854	1	Cover-Belt, LH
29	147-2871	2	Grommet-Ball
30	133-9289	2	Fitting-Washout
30:2	133-9290	1	O-Ring
31	32144-4	4	Screw-HWH
32	95-3270	1	Connector-Hose
33	3219-6	3	Nut-Hex
34	3256-24	2	Washer-Plain
35	323-9	4	Screw-HH
36	110-9981	1	Washer-Plain
37	63-7400	2	Washer-Rebound
38	104-8301	5	Nut-HF, NI
39	3296-59	1	Nut-Lock, NI
40	112-3977	3	Bolt-Shoulder
41	147-2872	2	Stud-Ball
42	115-7373	2	Nut-Lock
43	120-7950	4	Screw-Torx

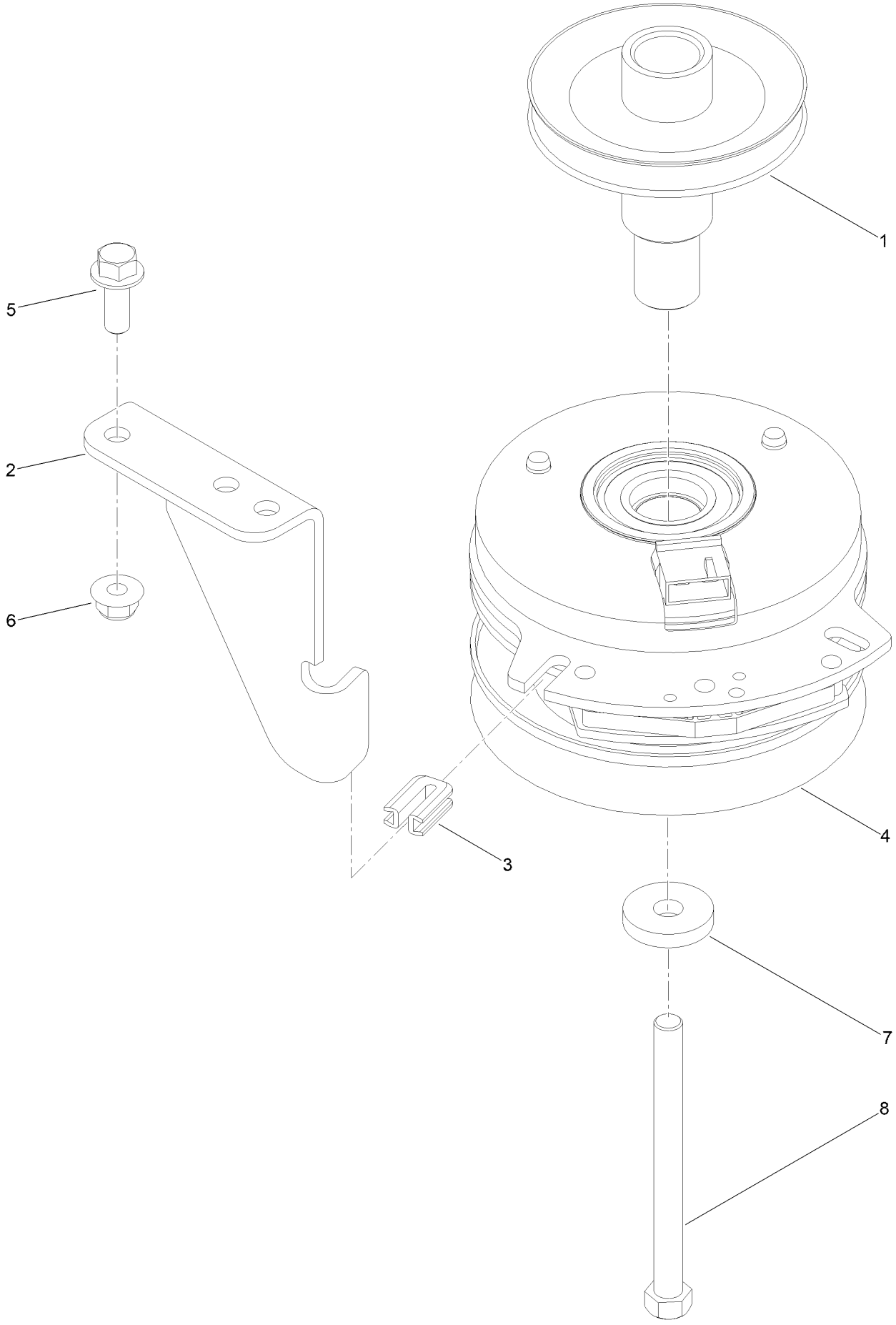
Model Specific Assembly



Model Specific Assembly (continued)

Ref.	Part Number	Qty.	Description
4	147-7573	1	Decal-Max
5	147-7561	1	Decal-Timecutter
6	163-8025	2	Decal-Timecutter Max
8	147-7571	1	Decal - Control Panel
9	63-8360	1	Key-Ignition
10	139-6404	1	Hour Meter

Clutch Assembly



Clutch Assembly (continued)

Ref.	Part Number	Qty.	Description
1	138-9792	1	Pulley-Engine
2	137-7000	1	Stop-Clutch (Wide)
3	120-2217	1	Isolator-Clutch
4	127-3410	1	Clutch-PTO
5	3234-42	1	Screw-HHF
6	104-8301	1	Nut-HF, NI
7	112843	1	Washer
8	3212-19	1	Screw-HH

Attachments and Accessories

For 77601 — TimeCutter Max 60in Zero Turn Riding Mower

Product Name	Model/Part
Blade-Hi Flow, 20.5in	115-9649-03P
Jack Kit	127-6666
4-Cycle Fuel, Snow And Lawn 32oz Can	131-3823
Toro Premium Fuel Treatment 12oz Bottle	131-6572
Oil-30/10W-30 Synthetic (Quart)	138-6053
60 Inch Recycler Kit	139-3290
60 Inch Bagging Enhancement Kit	140-3508
Hydro Service Kit	144-5347
Flat Free Caster Wheel Kit	145-0489
Led Light Kit	147-8757
Floormat Kit	147-8765
Arm Rest Kit	147-8774
Cover-Mower	148-0276
Jack Mount	148-1283
48/54/60 Striping Kit	148-1367
Assist Bar Kit	161-4450
Transport Lock Kit	161-4510
10W30 4-Cycle Engine Oil (32oz Bottle)	38280
Toro 4-Cycle SAE 30 Oil (32oz Bottle)	38903
Toro Deluxe Rider Cover	490-7319
ROPS Kit	79487
Slope Sensor Kit	79489
Residential Z Max 60in Bagger	79601

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Count on it.