Form No. 3324–938

TORO®

Z Master® Z350

with Mower and Bagger

Model No. 74187 – 200000501 and Up

Parts Catalog

PROTOTYPE

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 illustrations and in part 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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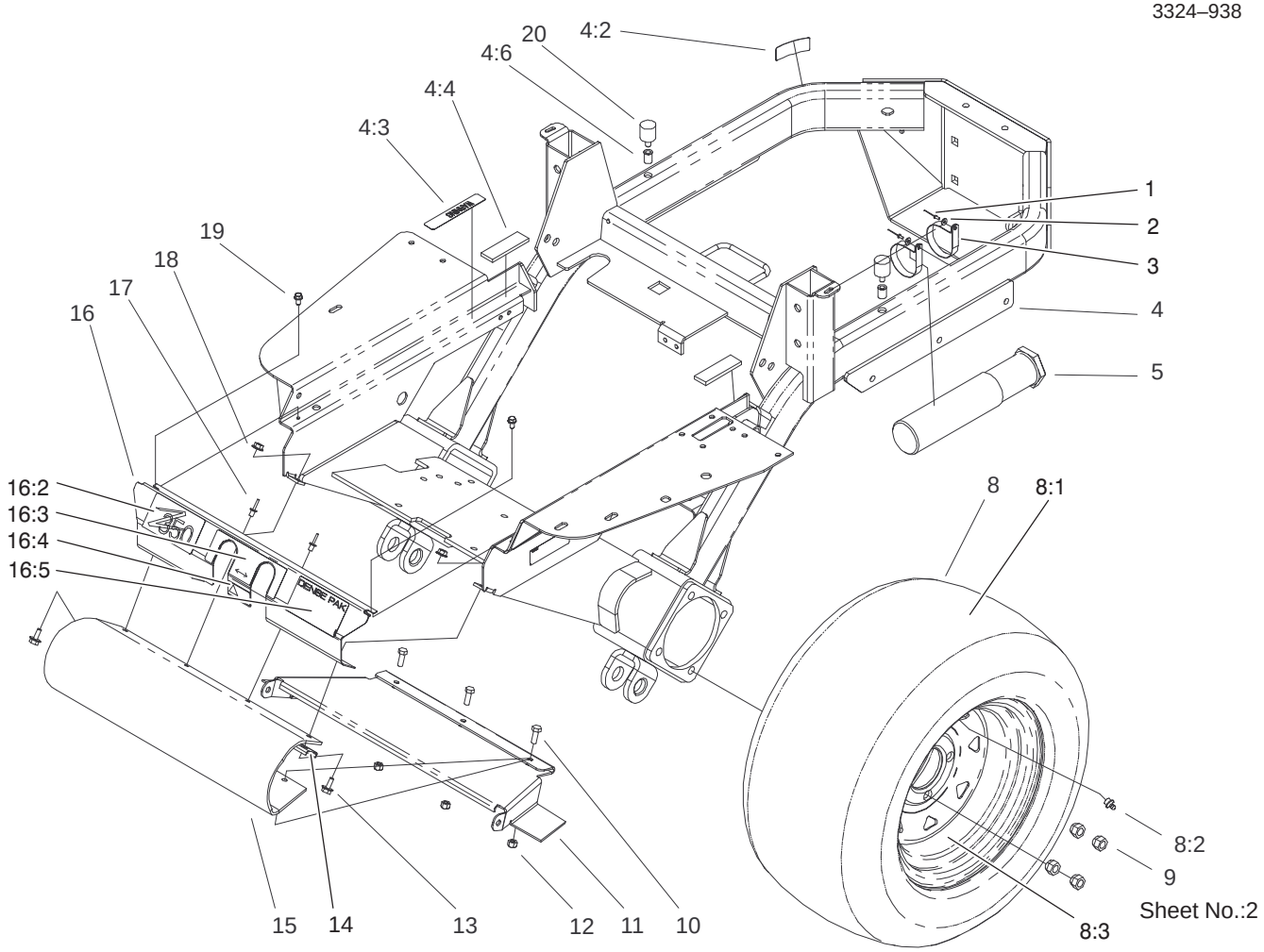
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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning
AR	as required
ASM	assembly
CARR	carriage
DEG	degrees
FH	flat head
GA	gauge
HF	hex flange
HH	hex head
HHF	hex head flange
HLH	hex lag head
HJ	hex jam
HOC	height-of-cut
HS	hex socket
HSBH	hex socket button head
HSFH	hex socket flat head
HSH	hex socket head
HWH	hex washer head
HWHTF	hex washer head thread forming
INC	incorporated
LH	left hand
NI	nylon insert
PPH	Phillips pan head
PTH	Phillips truss head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SHH	slotted hex head
SQH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
SRH	slotted round head
STD	standard
TAP	self tapping
TTH	Torx truss head
WH	wing head

PROTOTYPE

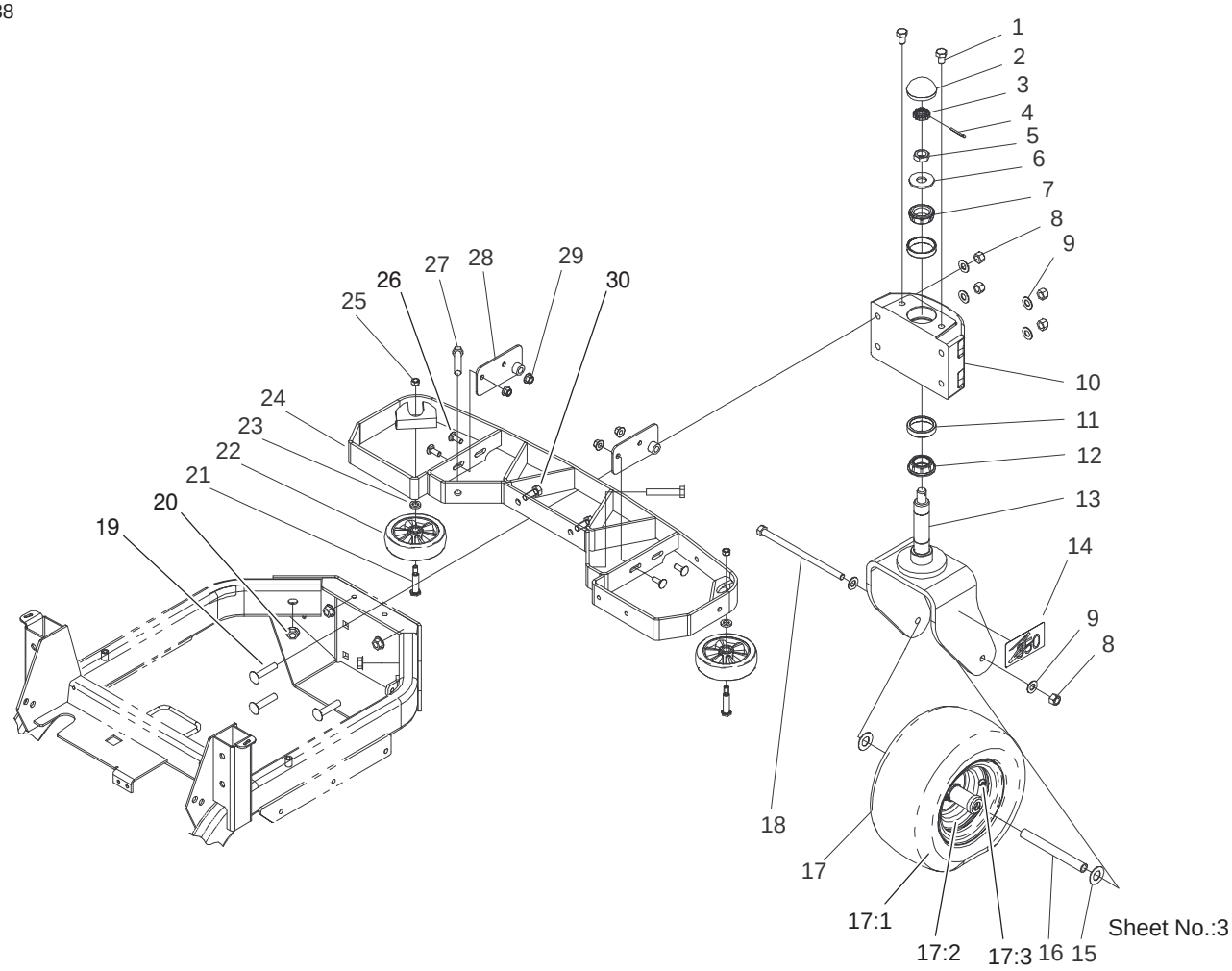


Traction Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	3269–8	2	Rivet
2	3256–21	2	Washer–Flat
3	2412–120	2	R–Clamp
4	94–9598	1	Frame ASM w/ Decals
4:2	93–9198	1	Decal – Hot Surface
4:3	98–4361	1	Decal – Warning
4:4	52–5260	2	Rubber Pad
4:6	32148–8	2	Insert–Threaded
5	74–0720	1	Tube–Manual
8	94–9380	2	Tire And Wheel ASM
8:1	94–9387	1	Tire
8:2	232–27	1	Stem–Valve
8:3	94–9386	1	Wheel
9	242–50	8	Nut – Lug
10	322–4	3	Screw–HH
11	100–9614–01	1	Cover – Driveshaft
12	3296–29	3	Nut–Lock
13	3234–4	2	Screw–HHF
14	100–9620–03	1	Bracket – Guard
15	100–9619	1	Guard – Footrest
16	104–2400	1	Cover Plate ASM w/ Decals
16:2	100–7789	1	Decal – Z350
16:3	98–1313	1	Decal – Operation
16:4	98–4387	1	Decal–Protection, Ear
16:5	104–5106	1	Decal – Dense Pak

Ref. No.	Part No.	Qty.	Description
17	3290–412	2	Rivet
18	32128–33	2	Nut–HF
19	32144–4	2	Screw–HH
20	104–2442	2	Bumper – Rubber

PROTOTYPE



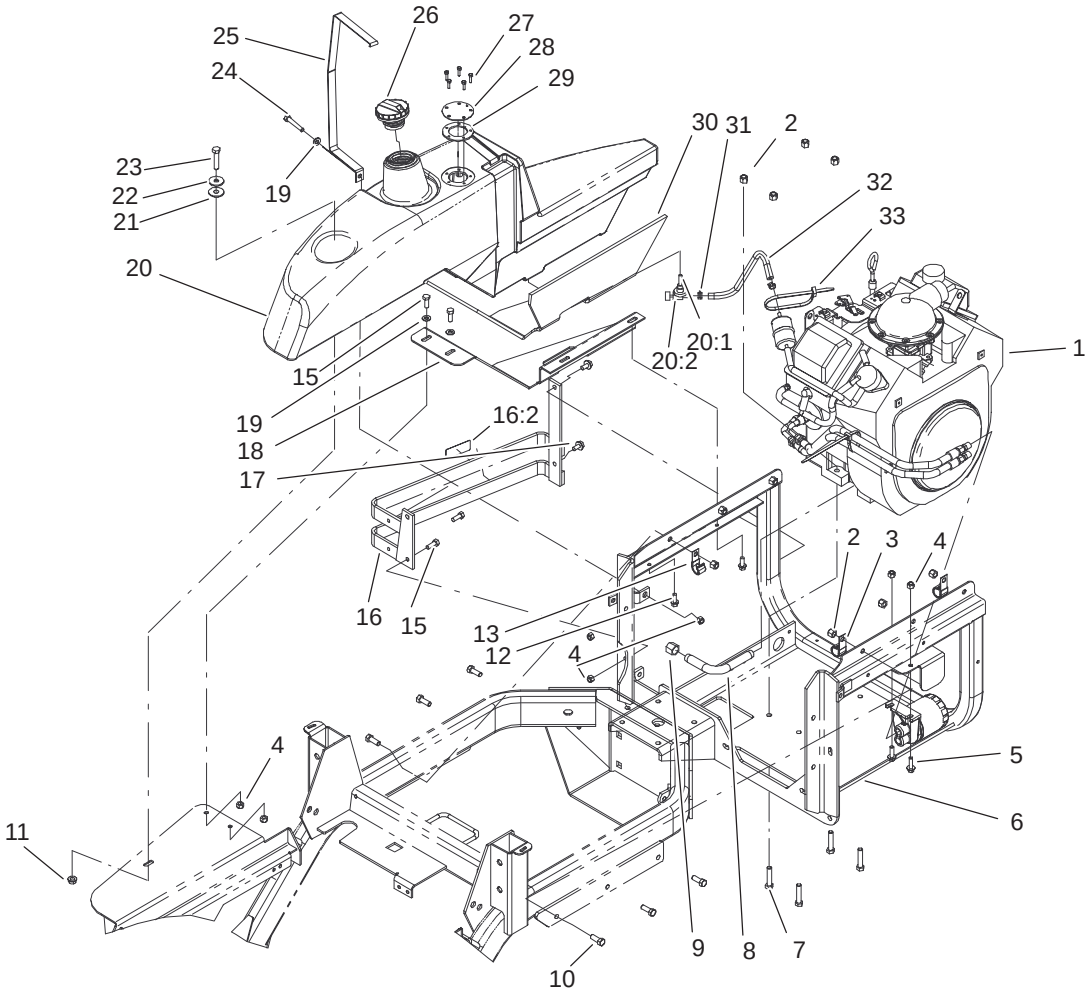
Tail Wheel and Bumper Assembly

Ref. No.	Part No.	Qty.	Description
1	325–2	2	Screw–HH
2	94–4665	1	Dustcap
3	93–0307	1	Nut Retainer–Lock
4	3272–17	1	Pin–Cotter
5	3220–7	1	Nut–Jam
6	3256–8	1	Washer–Flat
7	254–62	1	Roller Brg Cone
8	3296–23	5	Nut–Lock, NI
9	3256–26	6	Washer–Flat
10	94–9489–01	1	Housing – Spindle
11	254–61	2	Cup–Bearing
12	254–70	1	Cone–Bearing
13	94–4647–01	1	Caster Fork ASM
14	100–7789	1	Decal – Z350
15	3256–39	2	Washer–Flat
16	94–4753	1	Tube – Spacer,Castor
17	98–4352	1	Tire And Wheel ASM
17:1	94–9384	1	Tire
17:2	98–4351	1	Wheel ASM
*17:2:1	99–0246	4	Washer–Stop
*17:2:2	99–0247	2	Bearing–Roller
*17:2:3	99–0248	2	Seal–Felt
*17:2:4	99–0249	2	Cap–End
17:3	232–27	1	Stem–Valve
18	325–24	1	Screw–HH
19	3233–27	4	Screw–CARR

Ref. No.	Part No.	Qty.	Description
20	32128–23	4	Nut–HF
21	5188	2	Bolt–Shoulder
22	109375	2	Wheel ASM
23	9202424	2	Spacer
24	104–2434–03	1	Bumper ASM
25	32153–2	2	Nut–Lock
26	3231–2	4	Screw–CARR
27	325–11	2	Screw–HH
28	104–2430–03	2	Pivot ASM
29	32128–21	4	Nut–HF
30	325–5	2	Screw–HH

PROTOTYPE

* Not illustrated

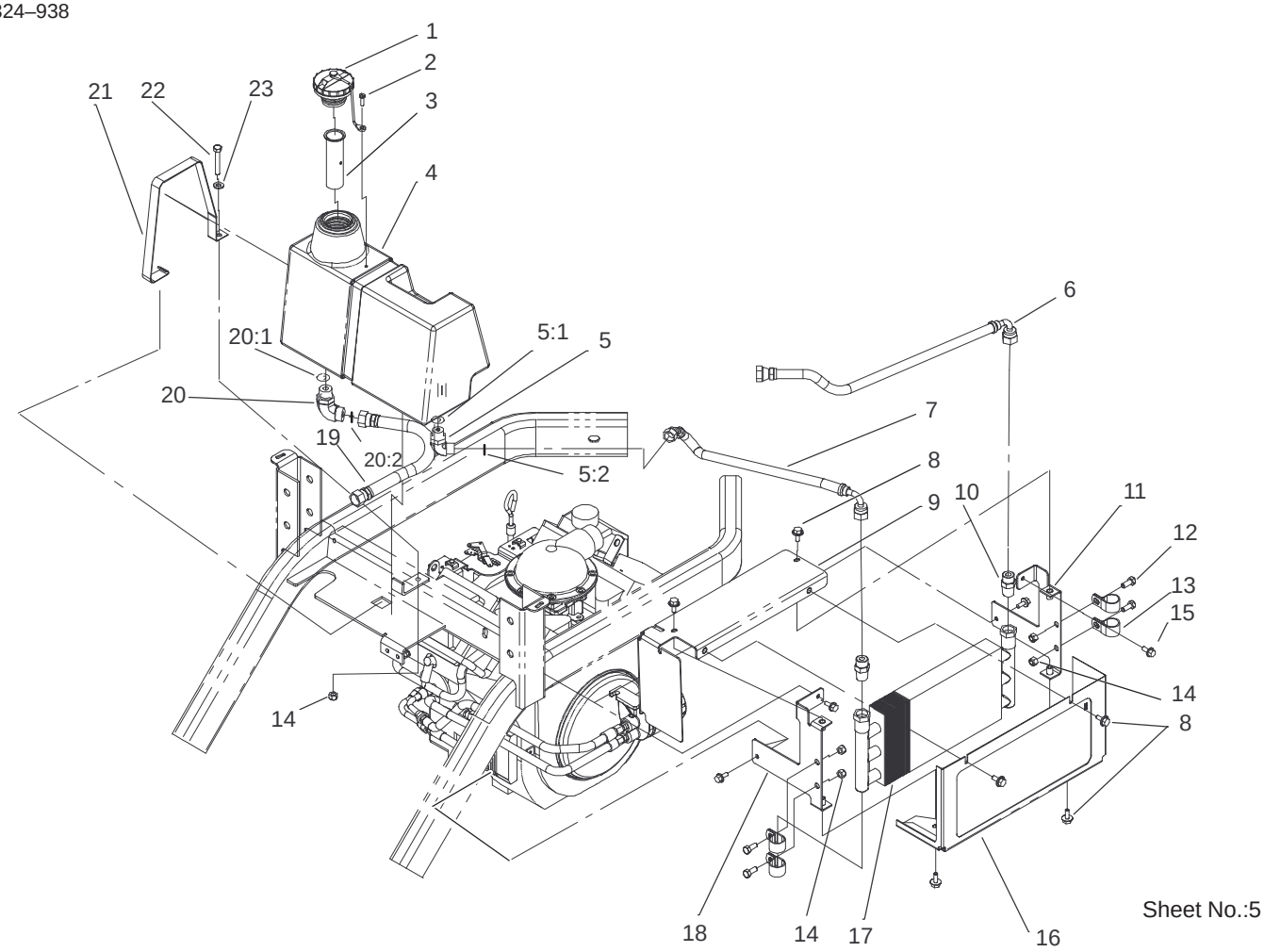


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Engine and Fuel Assembly

Ref. No.	Part No.	Qty.	Description
1		1	Engine – Kohler, Ch20s Ps–64644
2	3296–39	10	Nut–Lock, NI
3	94–9580	2	Clamp – J
4	3296–29	7	Nut–Lock
5	3234–17	2	Screw–HHF
6	94–4618–03	1	Engine Support ASM
7	323–9	4	Screw–HH
8	94–9499	1	Tube – Oil Drain
9	288–4	1	Pipe Cap
10	323–6	6	Screw–HH
11	3290–357	1	Nut–Flange, Lock
12	32144–11	2	Screw–TAP
13	8830	1	Clip
15	322–4	4	Screw–HH
16	98–1995	1	Bumper ASM w/ Decal
16:2	93–9198	1	Decal – Hot Surface
17	32144–14	2	Screw–HWH
18	94–4798–01	1	Plate – Tank Support
19	3256–23	3	Washer–Flat
20	94–9553	1	Assembly – Fuel Tank
20:1	104047	1	Bushing
20:2	104048	1	Valve–Fuel
21	240–11	1	Grommet–Mount, Tank
22	63–8410	1	Washer
23	323–9	1	Screw–HH
24	322–10	1	Screw–HH
25	94–4799–03	1	Strap – Fuel Tank
26	93–3101	1	Cap–Fuel
27	3250–29	5	Screw–PPH
28	94–9597	1	Cover–Fuel Tank Opening
29	62–7650	1	Gasket
30	98–1319	1	Foam – Fuel Tank
31	2412–98	2	Clamp
32	98–0976	1	Hose – Gas
33	3290–378	2	Tie–Cable

PROTOTYPE



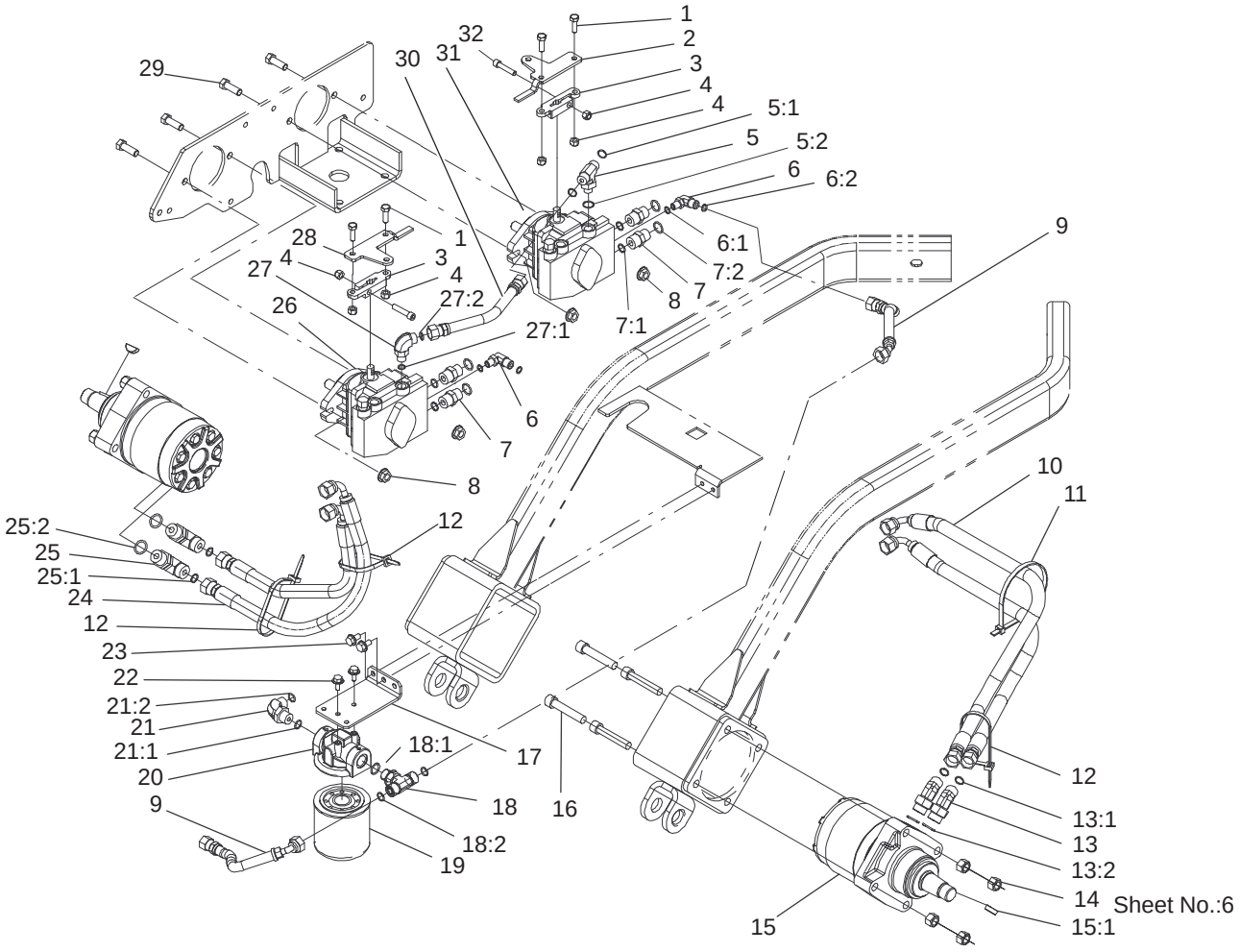
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Rear Hydraulic Assembly

Ref. No.	Part No.	Qty.	Description
1	93–4365	1	Cap–Oil
2	3290–126	1	Screw
3	92–1705	1	Filter–Screen
4	94–4700	1	Tank–Hydraulic
5	340–98	1	Fitting–90°
5:1	237–79	1	O–Ring
5:2	237–30	1	O–Ring
6	94–4709	1	Hydraulic Hose ASM
7	94–4713	1	Hydraulic Hose ASM
8	3234–4	6	Screw–HHF
9	98–1969	1	Cooler Shroud ASM
10	93–5107	2	Fitting – Adapter
11	98–1972	1	Rear Cooler Bracket ASM
12	322–3	4	Screw–HH
13	2412–39	4	Clamp–R
14	3296–29	5	Nut–Lock
15	32144–10	2	Screw–HWH
16	94–9556–03	1	Cooler Shroud ASM
17	24–0760	1	Cooler ASM
18	98–1971	1	Front Cooler Bracket ASM
19	94–4710	1	Hydraulic Hose ASM
20	340–105	1	Fitting–90°
20:1	237–80	1	O–Ring
20:2	237–30	1	O–Ring

Ref. No.	Part No.	Qty.	Description
21	94–4642–03	1	Strap – Hydraulic Tank
22	322–10	1	Screw–HH
23	3256–23	1	Washer–Flat

PROTOTYPE

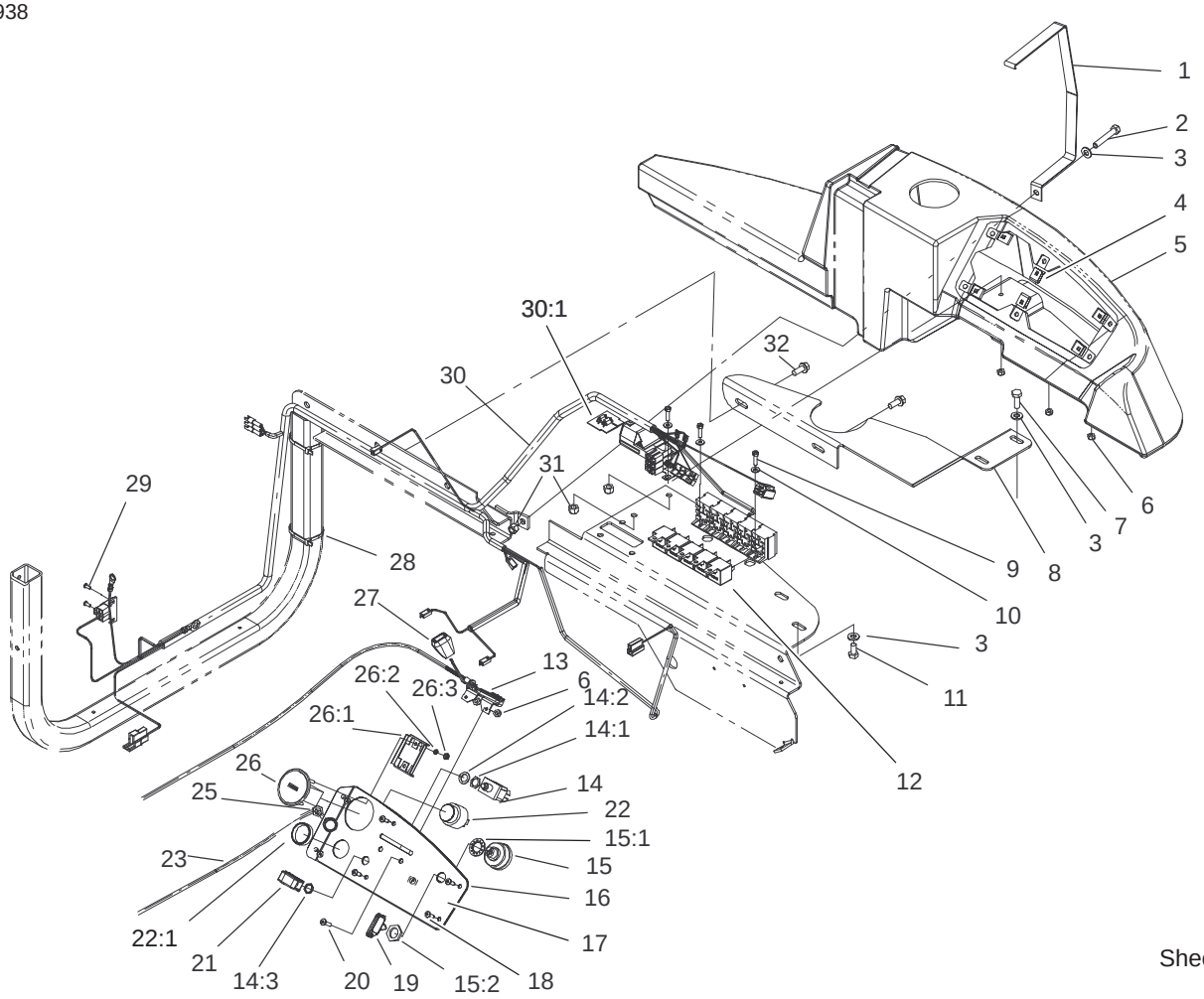


Front Hydraulic Assembly

Ref. No.	Part No.	Qty.	Description
1	322–5	4	Screw–HH
2	94–4702–03	1	Plate – Control, Left
3	94–4678	2	Arm – Pump Control
4	3296–29	6	Nut–Lock
5	340–94	1	Adapter
5:1	237–22	2	O–Ring
5:2	237–42	1	O–Ring
6	340–97	2	Fitting–90°
6:1	237–22	1	O–Ring
6:2	237–78	1	O–Ring
7	340–4	4	Adapter
7:1	237–30	1	O–Ring
7:2	237–79	1	O–Ring
8	32128–42	4	Nut–HF
9	98–4384	2	Hydraulic Hose ASM
10	94–4714	2	Hydraulic Hose ASM
11	3334–945	1	Tie–Cable
12	3290–378	3	Tie–Cable
13	340–89	2	Fitting–45°
13:1	237–30	1	O–Ring
13:2	237–80	1	O–Ring
14	3296–23	8	Nut–Lock, NI
15	94–4640	2	Motor – Hydraulic Wheel
15:1	3257–42	1	Key–Woodruff
16	3274–93	8	Screw–HSH

Ref. No.	Part No.	Qty.	Description
17	94–9525–03	1	Angle–Mount, Hyd Filter
18	340–157	1	Fitting–Hydraulic
18:1	237–79	1	O–Ring
18:2	237–30	2	O–Ring
19	67–8110	1	Cartridge – Filter, Oil
20	86–9080	1	Filter Head
21	340–98	1	Fitting–90°
21:1	237–79	1	O–Ring
21:2	237–30	1	O–Ring
22	3234–4	2	Screw–HHF
23	32144–14	2	Screw–HWH
24	94–4705	2	Hydraulic Hose ASM
25	340–105	2	Fitting–90°
25:1	237–80	1	O–Ring
25:2	237–30	1	O–Ring
26	98–4375	1	Pump – Hydraulic
27	340–77	1	Fitting–90°
27:1	237–22	1	O–Ring
27:2	237–42	1	O–Ring
28	94–4701–03	1	Plate – Control, Right
29	324–5	4	Screw–HH
30	94–4712	1	Hydraulic Hose ASM
31	98–4374	1	Pump – Hydraulic
32	3274–83	2	Screw–HSH

PROTOTYPE



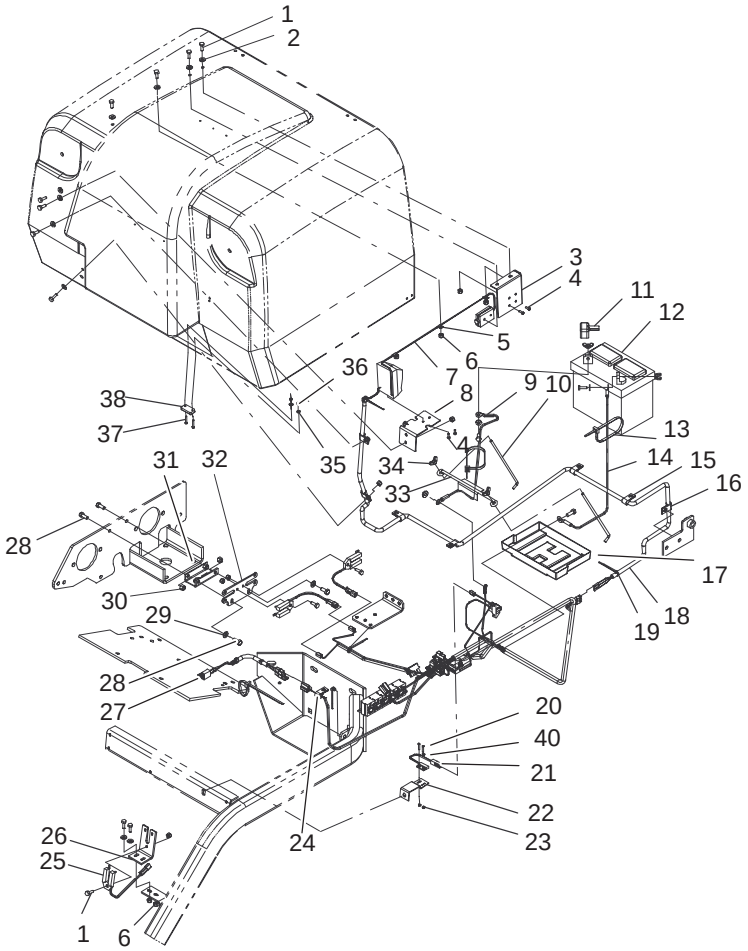
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Front Electrical Assembly

Ref. No.	Part No.	Qty.	Description
1	94–9488–03	1	Strap – Console
2	322–10	1	Screw–HH
3	3256–23	5	Washer–Flat
4	95–1962	6	Clip – Tinnerman
5	104–0365	1	Console
6	3296–2	5	Nut–Lock
7	322–4	2	Screw–HH
8	100–7792–01	1	Plate – Support, Console
9	32105–13	3	Screw–Shh
10	3256–14	3	Washer–Flat
11	322–2	2	Screw–HH
12	116397	5	Relay
13	98–4350	1	Throttle Control ASM
14	92–9811	1	Switch – Toggle, Sealed
14:1	105805	1	Nut–Hex Special
14:2	102950	1	Washer Tab
14:3	113179	1	Nut–Hex
15	111216	1	Ignition Switch ASM
15:1	9201604	1	Lockwasher
15:2	101884	1	Nut
16	98–1999–03	1	Panel – Instrument
17	98–4357	1	Decal – Instrument
18	32144–124	6	Screw – PPH, Type Ab

Ref. No.	Part No.	Qty.	Description
19	62–7770	2	Key–Ignition
20	3250–13	2	Screw–PPH
21	113050	1	Cover–PTO Switch
22	80–9330	1	Alarm – Audio
22:1	104–5107	1	Nut–Plastic, Knurled
23	98–1956	1	Control – Choke
25	3220–3	1	Nut–Jam
26	78–0020	1	Hour–Meter
26:1	78–3320	1	Clamp–Hour Meter
26:2	3255–25	2	Washer–Lock
26:3	3217–27	2	Nut–Hex
27	66–0120	1	Knob
28	3290–379	2	Tie–Cable
29	32144–74	2	Screw–TAP
30	98–3317	1	Harness
30:1	92–3188	1	Diode–Board, Circuit
31	3296–29	3	Nut–Lock
32	32144–11	2	Screw–TAP

PROTOTYPE



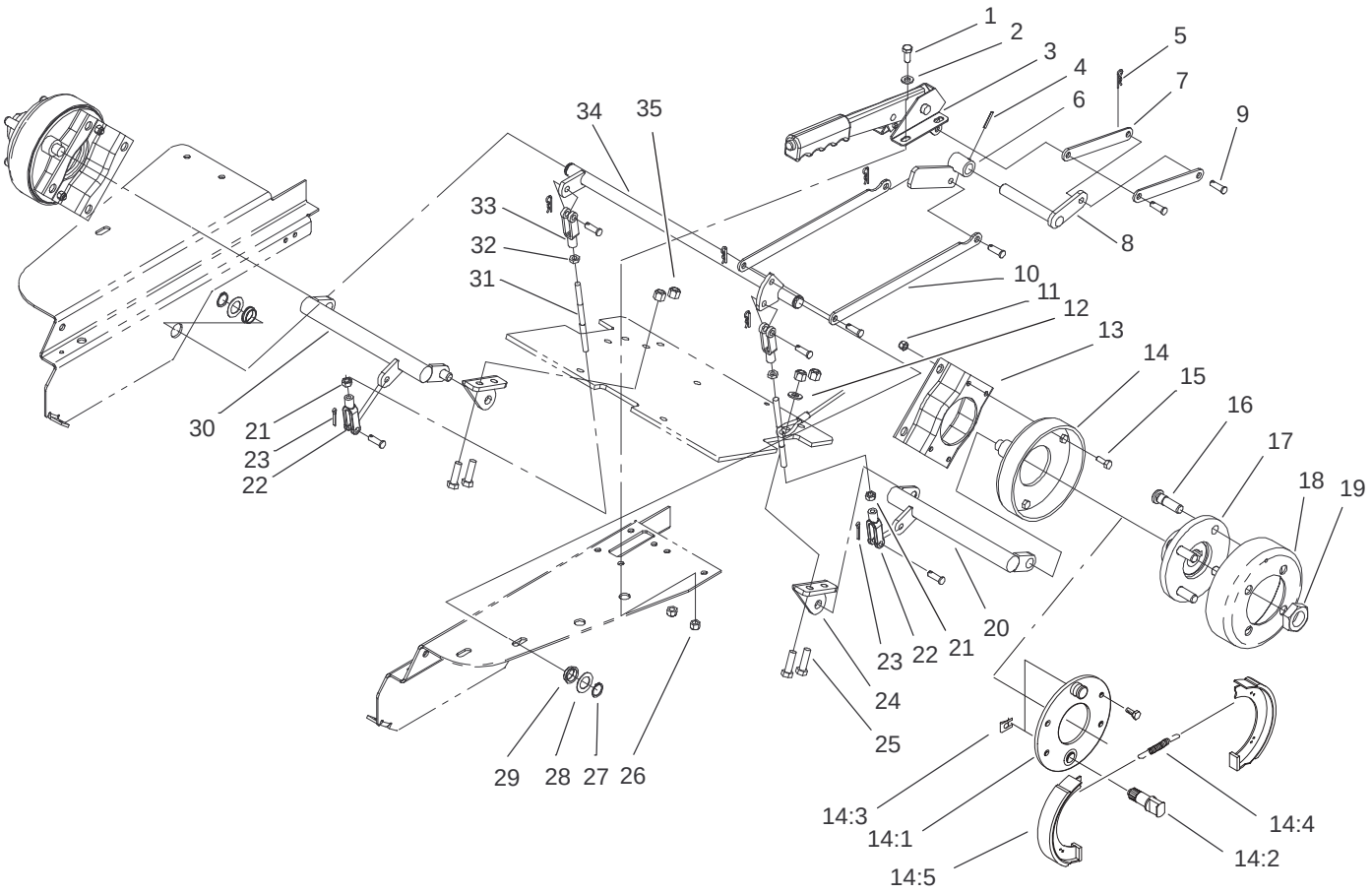
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Rear Electrical Assembly

Ref. No.	Part No.	Qty.	Description
1	321–4	15	Screw–HH
2	3256–22	12	Washer–Flat
3	100–2440–03	1	Bracket – Emitter
4	3250–19	4	Screw–PPH
5	2412–127	3	Clamp–R
6	3296–42	13	Nut–Lock
7	98–2367	1	Module – Obstruction Det
8	98–3000–03	1	Bracket – Receiver
9	28–3893	1	Wire ASM
10	94–6146	2	Retainer – Battery
11	28–8080	1	Boot–Terminal
12	94–1867	1	Battery
13	3290–378	3	Tie–Cable
14	92–6287	1	Wire ASM – Negative
15	2412–93	6	R–Clamp
16	2412–138	1	R–Clamp
17	106948	1	Tray–Battery
18	98–3009	1	Conduit – Convoluted
19	3290–381	4	Tie – Cable
20	32105–28	2	Hex Head Machine
21	95–7669	1	Switch – Reed, Magnetic
22	104–2443–03	1	Bracket – Switch
23	3296–52	2	Nut–Lock NI
24	2412–93	1	R–Clamp

Ref. No.	Part No.	Qty.	Description
25	98–1324	3	Switch – Interrupter
26	94–4696	1	Angle – Mount,Switch
27	98–4373	1	Harness – Seat Adapter
28	322–3	4	Screw–HH
29	3256–23	2	Washer–Flat
30	3296–29	4	Nut–Lock
31	94–4797–03	1	Channel–Mount, Switch
32	94–9460	1	Plate – Switch Mount
33	113010	1	Battery Hold Down
34	32103–22	4	Nut–Wing
35	3256–12	2	Washer–Flat
36	3296–9	2	Nut–Lock NI
37	3290–124	2	Screw–HH
38	98–3006	1	Actuator
40	104–5112	2	Washer–Flat, #4

PROTOTYPE



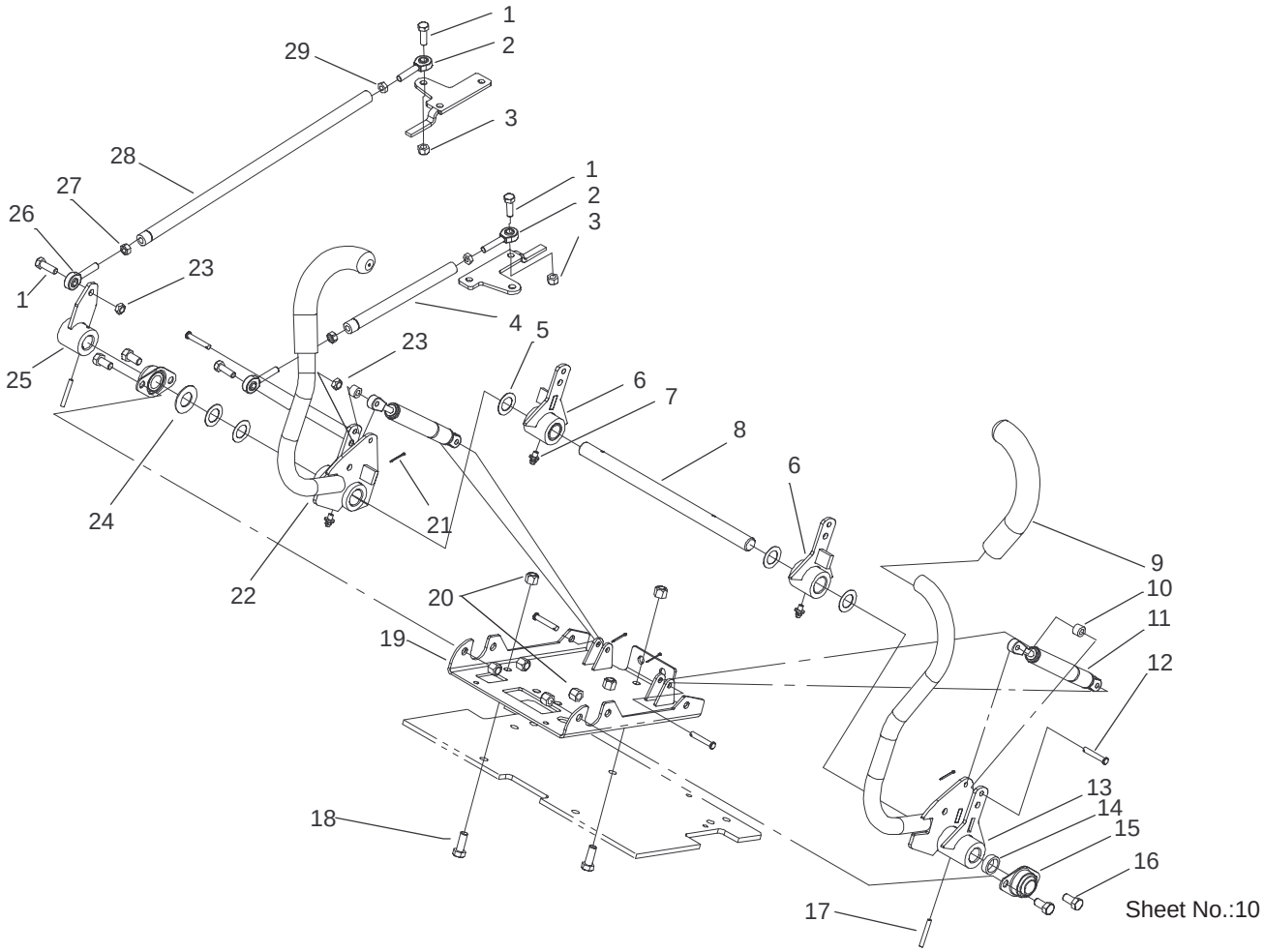
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Parking Brake Assembly

Ref. No.	Part No.	Qty.	Description
1	322–3	4	Screw–HH
2	3256–23	4	Washer–Flat
3	94–4602	1	Lever – Brake
4	32121–93	1	Spiral Pin
5	3290–307	6	Pin–Hair
6	98–1994	1	Brake Hub ASM
7	98–1992	2	Link – Brake
8	98–1990	1	Transfer Shaft ASM
9	283–1	8	Pin–Yoke
10	98–1991	2	Link – Connect
11	3296–42	8	Nut–Lock
12	3256–24	1	Washer–Flat
13	84–2000–03	2	Bracket–Brake
14	71–1500	2	Brake ASM
14:1	70–9870	1	Plate–Backing
14:2	70–9860	1	Cam–Brake
14:3	70–9850	1	Clip–Retaining
14:4	70–9880	2	Spring–Return
14:5	70–9840	2	Shoe–Brake
15	321–4	8	Screw–HH
16	85–6540	8	Stud–Drive
17	10–6870–03	2	Hub–Wheel
18	10–6850	2	Drum–Brake
19	26–3790	2	Nut–Lock
20	98–1997	1	LH Brake Lever ASM
21	3220–20	2	Nut–Jam

Ref. No.	Part No.	Qty.	Description
22	98–4367	2	Clevis – Adjustable
23	3272–10	2	Pin–Cotter
24	94–9573–01	2	Mount–Lever, Brake RH
25	323–7	4	Screw–HH
26	3296–29	4	Nut–Lock
27	32120–72	2	Ring–Snap
28	9202574	2	Washer–Flat
29	106950	2	Bushing
30	98–1998	1	RH Brake Lever ASM
31	98–1996	2	Rod – Brake
32	3220–2	2	Nut–HJ
33	282–2	2	Yoke
34	98–1988	1	Torsion Shaft ASM
35	3296–39	4	Nut–Lock, NI

PROTOTYPE

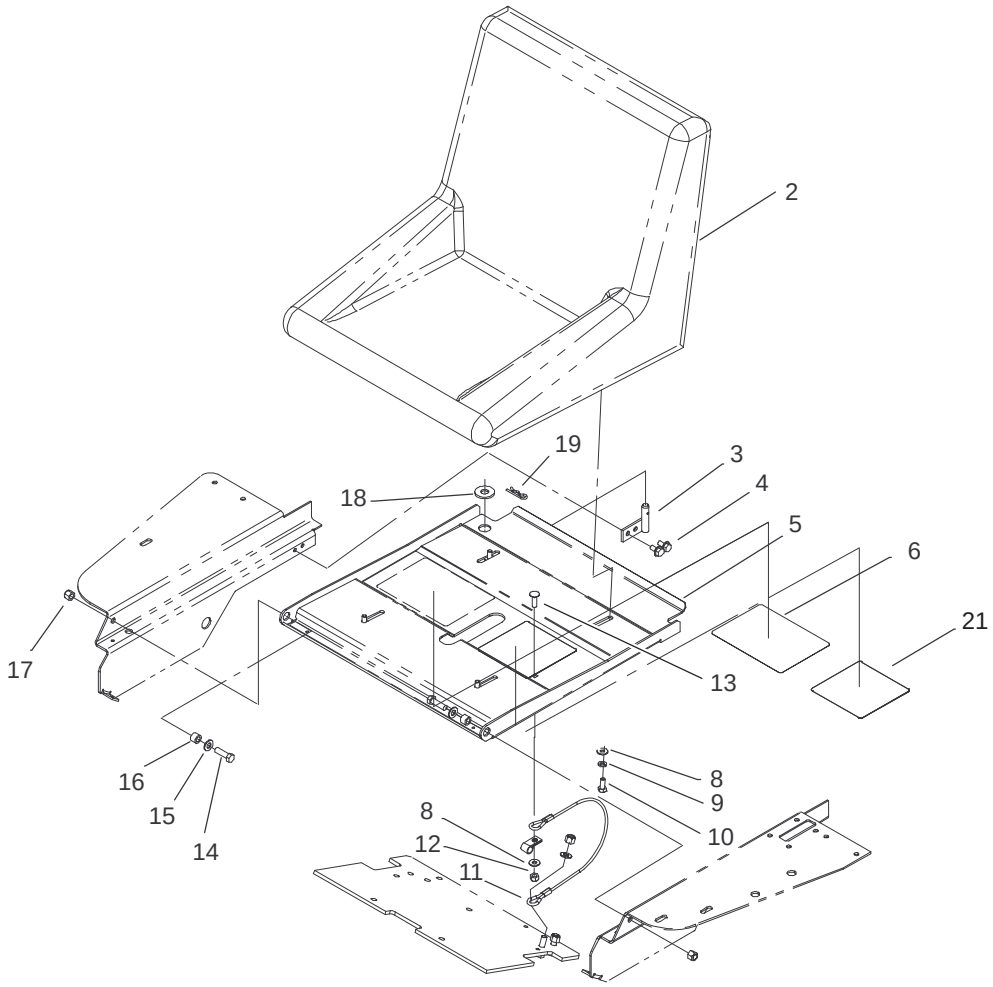


Steering Control Assembly

Ref. No.	Part No.	Qty.	Description
1	322–5	4	Screw–HH
2	2411–52	2	Bearing – Rod End, RH
3	3296–29	2	Nut–Lock
4	94–4717	1	Rod – Control, RH
5	9202574	5	Washer–Flat
6	94–9552	2	Center Control ASM
7	302–5	3	Fitting – Grease
8	94–9515	1	Shaft – Control
9	94–9490	2	Grip – Cushion
10	94–9593	2	Spacer – Damper
11	98–4397	2	Damper – Bidirectional
12	283–66	4	Pin–Clevis
13	94–9517–03	1	LH Control Handle ASM
14	94–9524	1	Spacer – Control
15	27–2320	2	Bearing
16	323–4	4	Screw–HH
17	32121–103	2	Pin–Spring
18	323–6	3	Screw–HH
19	94–9591–03	1	Channel Mount ASM
20	3296–39	7	Nut–Lock, NI
21	3272–4	4	Pin–Cotter
22	94–9551	1	RH Control Handle ASM
23	3296–47	2	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description
24	3256–39	1	Washer–Flat
25	94–9594–03	1	Control Hub ASM
26	2411–53	2	Bearing – Rod End, RH
27	3220–20	2	Nut–Jam
28	94–4718	1	Rod – Control, LH
29	3220–2	2	Nut–HJ

PROTOTYPE



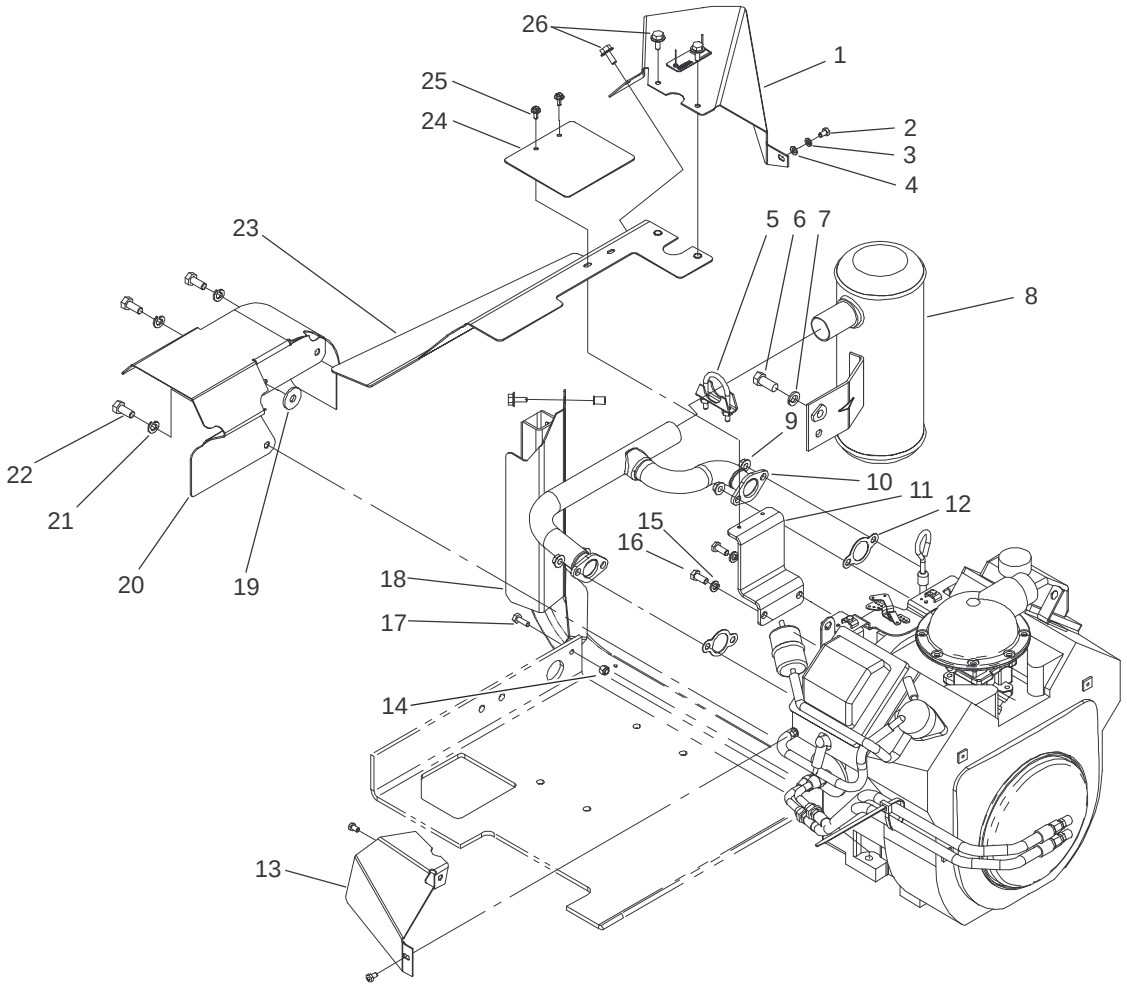
Sheet No.:11

Seat Assembly

Ref. No.	Part No.	Qty.	Description
2	92–6280	1	Seat ASM
3	98–1985	1	Latch ASM
4	32144–14	2	Screw–HWH
5	94–9529–01	1	Seat Plate ASM
6	104–0390	1	Decal – Instructional
8	3256–2	5	Washer–Flat
9	3253–4	4	Washer
10	322–3	4	Screw–HH
11	98–4371	1	Cable – Seat
12	3296–29	1	Nut–Lock
13	3230–2	1	Screw–CARR
14	323–7	2	Screw–HH
15	3256–24	2	Washer–Flat
16	52–2480	2	Spacer–Wheel
17	3296–39	2	Nut–Lock, NI
18	3256–6	1	Washer–Flat
19	3290–355	1	Pin–Hair
21	104–0391	1	Decal – Service, Ofz

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



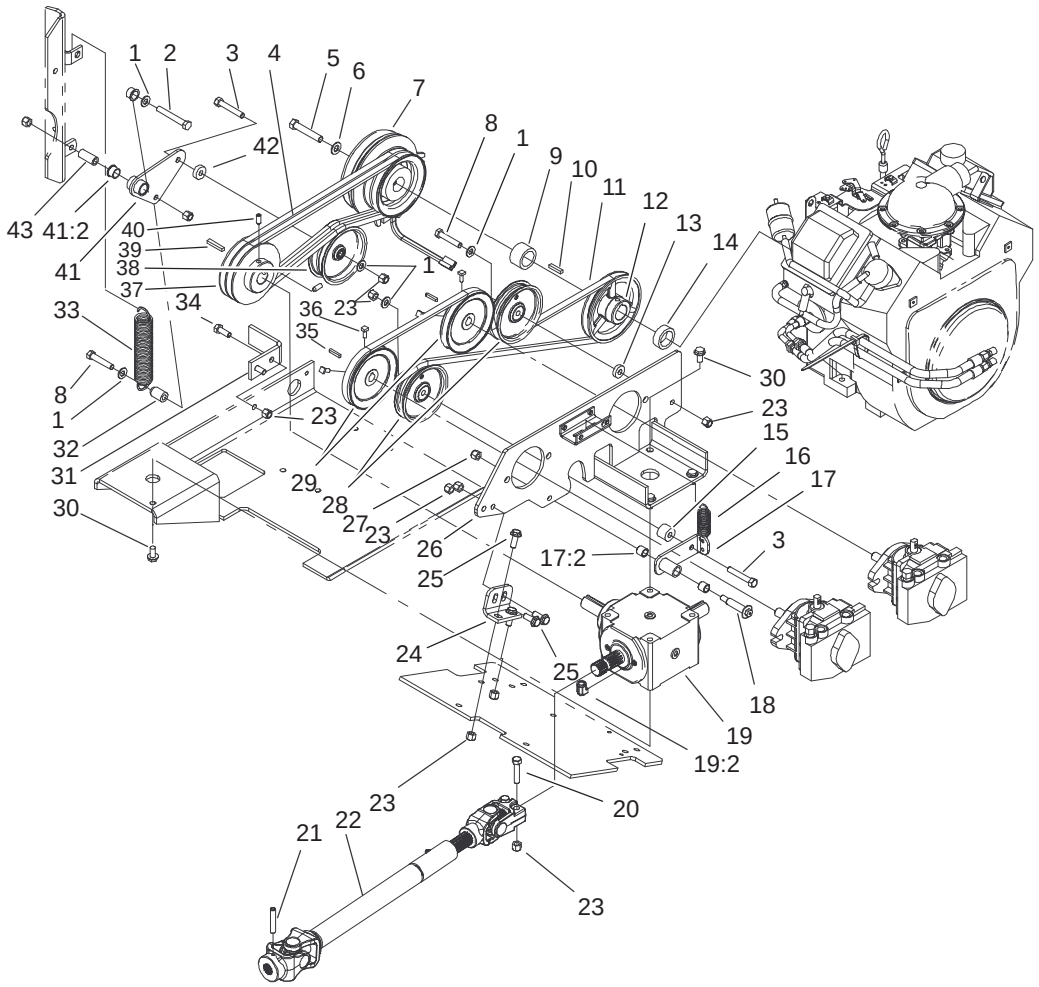
Sheet No.:12

Exhaust Assembly

Ref. No.	Part No.	Qty.	Description
1	98–1968	1	Rear Heat Baffle ASM
2	42–9430	1	Bolt/Washer
3	48–8020	1	Washer–Spring
4	33093–00	1	Washer–Flat
5	2112–11	1	Clamp–Muffler
6	324–4	1	Screw–HH
7	3253–6	1	Washer–Lock/Sp
8	94–9495	1	Muffler
9	92–6780	4	Nut–Hex Flange
10	94–9494	1	Manifold
11	94–9561	1	Bracket – Manifold Shield
12	93–0350	2	Gasket – Exhaust
13	98–1349	1	Baffle – Heat, Front
14	3296–42	1	Nut–Lock
15	42–9850	2	Washer–Lock, Spring
16	33114–020	2	Screw–HH
17	321–4	1	Screw–HH
18	98–1329	1	Baffle – Heat, Middle
19	2844	1	Washer
20	98–1326	1	Baffle – Heat, Lower
21	3253–5	3	Washer–Lock/Sp
22	323–5	3	Screw–HH
23	98–1967	1	ASM – Top Heat Baffle
24	98–1979	1	Panel – Access, Baffle

Ref. No.	Part No.	Qty.	Description
25	12–5450	2	Screw
26	3234–4	4	Screw–HHF

PROTOTYPE



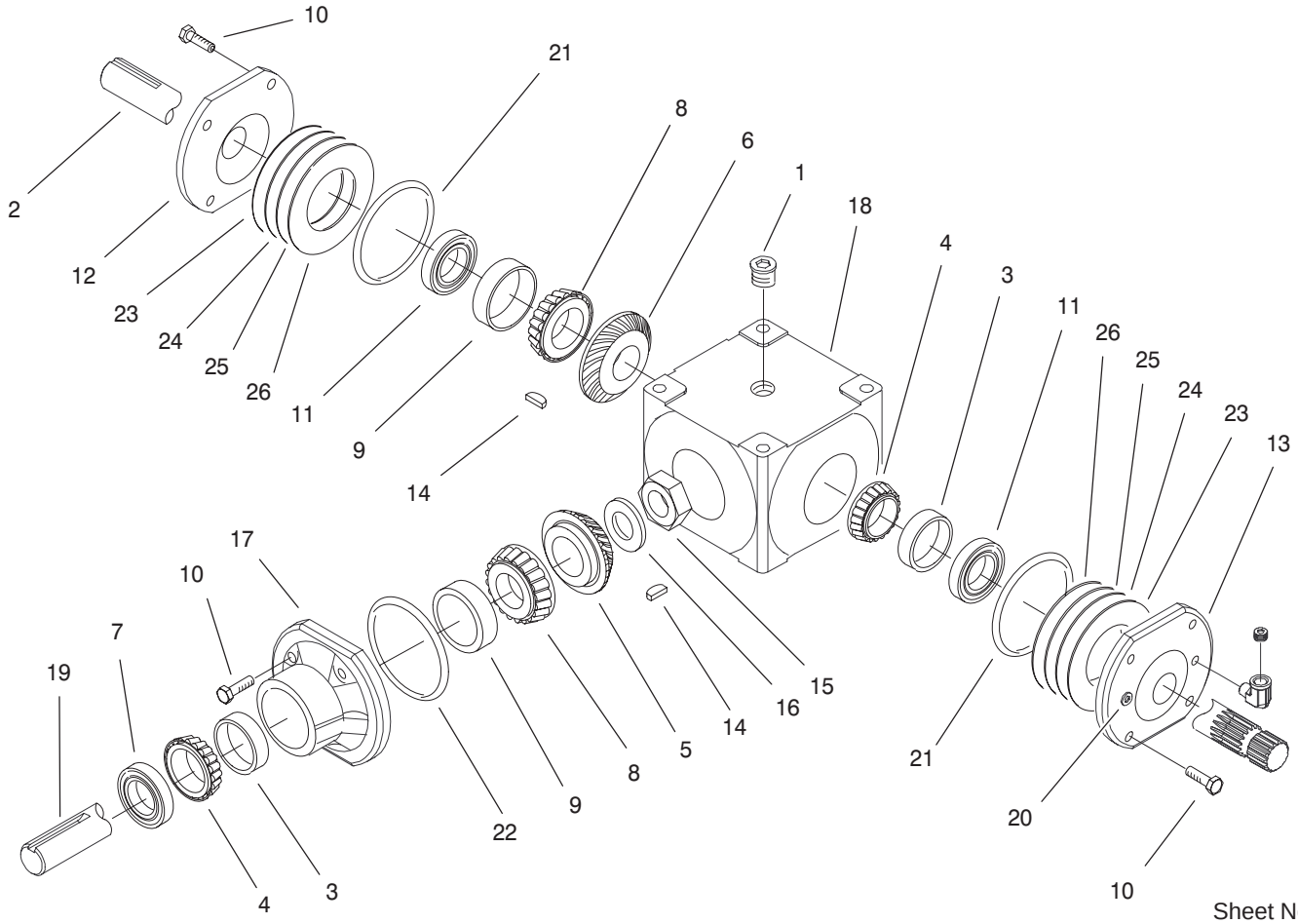
Sheet No.:13

PTO and Hydro Drive Assembly

Ref. No.	Part No.	Qty.	Description
1	3256–24	5	Washer–Flat
2	323–13	1	Screw–HH
3	323–11	2	Screw–HH
4	94–4608	1	V–Belt, Matched Pair
5	3212–10	1	Screw–HH
6	3256–25	1	Washer–Flat
7	94–4632	1	Clutch – Electromagnetic
8	323–10	2	Screw–HH
9	94–4689	1	Spacer – Shaft, Engine
10	5–0698	1	Key
11	94–4607	1	V–Belt
12	94–4628	1	Pulley – Engine
13	9202204	1	Washer
14	94–4688	1	Spacer – Shaft, Engine
15	94–4792	1	Spacer – Idler Arm
16	94–9599	1	Spring – Extension
17	95–1950	1	Idler Arm ASM w/ Bushings
17:2	256–154	2	Bushing
18	27–6230	1	Bolt–Wheel
19	104–2433	1	Gearbox ASM
19:1		1	Gearbox – PTO
19:2	2811–7	1	Elbow

Ref. No.	Part No.	Qty.	Description
20	323–19	2	Screw–HH
21	32121–48	1	Pin–Spring
22	94–4722	1	Shaft – Drive
23	3296–39	13	Nut–Lock, NI
24	94–4787–03	1	Mount – Plate, Pump
25	3234–11	4	Screw–HHF
26	94–4658–03	1	Pump Mount ASM
27	3296–6	1	Nut–Lock, NI
28	93–1622	2	Pulley–Idler
29	80–8170	2	Pulley – Pump, Traction
30	3234–1	8	Screw–HHF
31	98–1301–03	1	Stop – Clutch
32	95–1967	1	Spacer – Spring
33	88–6460	1	Spring – Extension
34	323–6	2	Screw–HH
35	80–6090	2	Key – Pump
36	3241–5	4	Screw–Set
37	94–4629	1	Pulley – Clutch
38	66–4210	1	Pulley–Idler
39	67–7490	1	Key
40	3246–6	2	Screw–Set, HSH
41	95–1968	1	Idler Arm ASM
41:2	109859	2	Bushing
42	94–4685	1	Spacer – Idler
43	114511	1	Spacer

PROTOTYPE

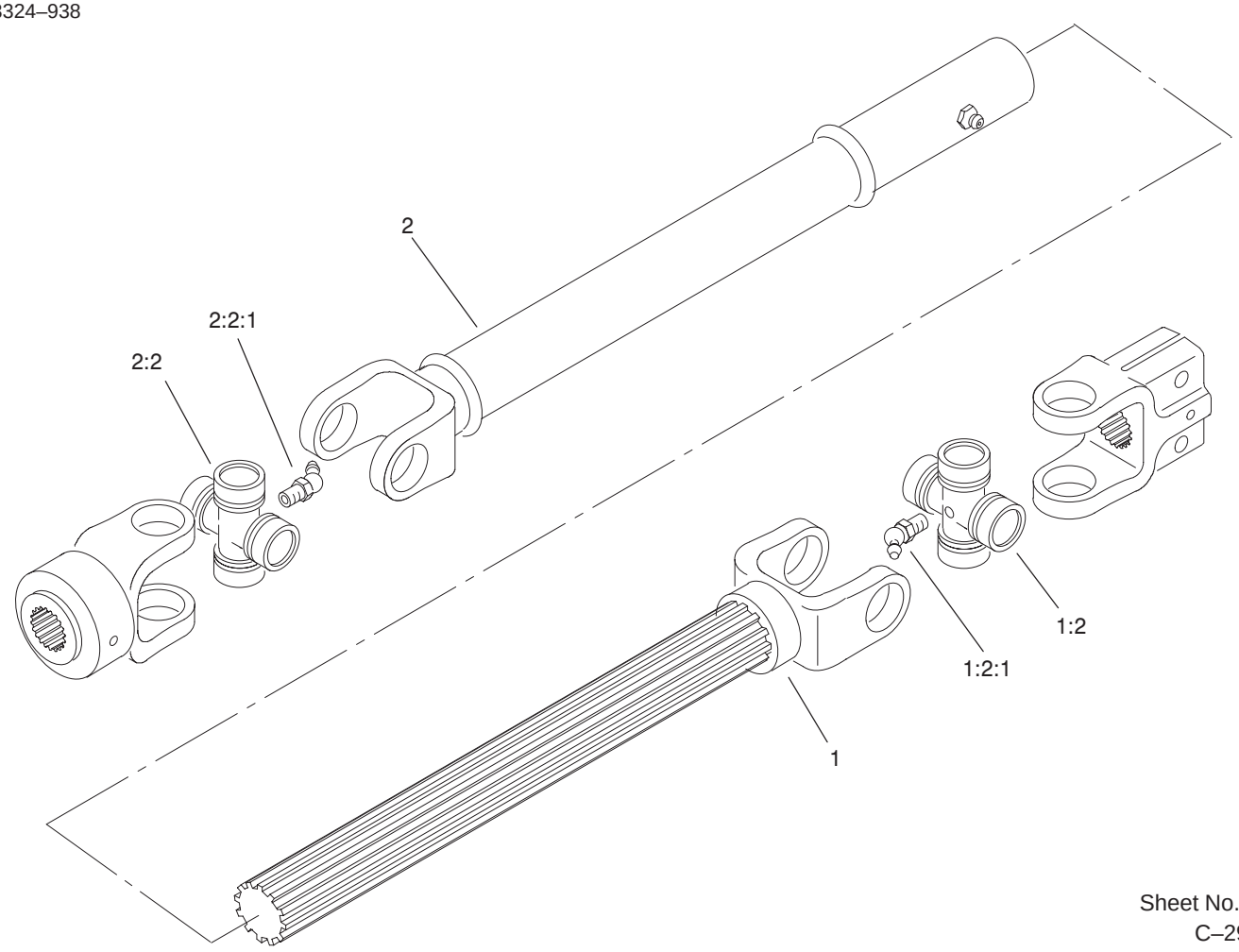


Sheet No.:A1
c–2886

Traction Unit Gearbox Assembly No. 104–2433

Ref. No.	Part No.	Qty.	Description
1	100–5812	3	Plug
2	104–2423	1	Shaft – Cross
3	100–4571	2	Cup – Bearing
4	100–4572	2	Cone – Bearing
5	100–5814	1	Gear – Spiral, RH
6	100–5815	1	Gear – Spiral, LH
7	100–4575	1	Seal
8	100–5816	2	Cone – Bearing
9	100–5817	2	Cup – Bearing
10	100–5818	12	Screw–HH
11	100–5819	2	Seal
12	100–5820	1	Cap – End
13	100–5821	1	End Cap w/ Drain Plugs
14	100–5822	2	Key
15	100–5823	1	Nut – Lock
16	100–5824	1	Washer
17	100–5825	1	Housing – Pinion
18	100–5826	1	Case
19	104–2424	1	Shaft – Pinion
20	100–4583	2	Plug
21	100–5847	2	O–Ring
22	100–5848	1	O–Ring
23	100–7757	1	Shim – Green
24	100–7758	1	Shim – Blue
25	100–7759	1	Shim – Brown
26	100–7760	1	Shim – Yellow

PROTOTYPE



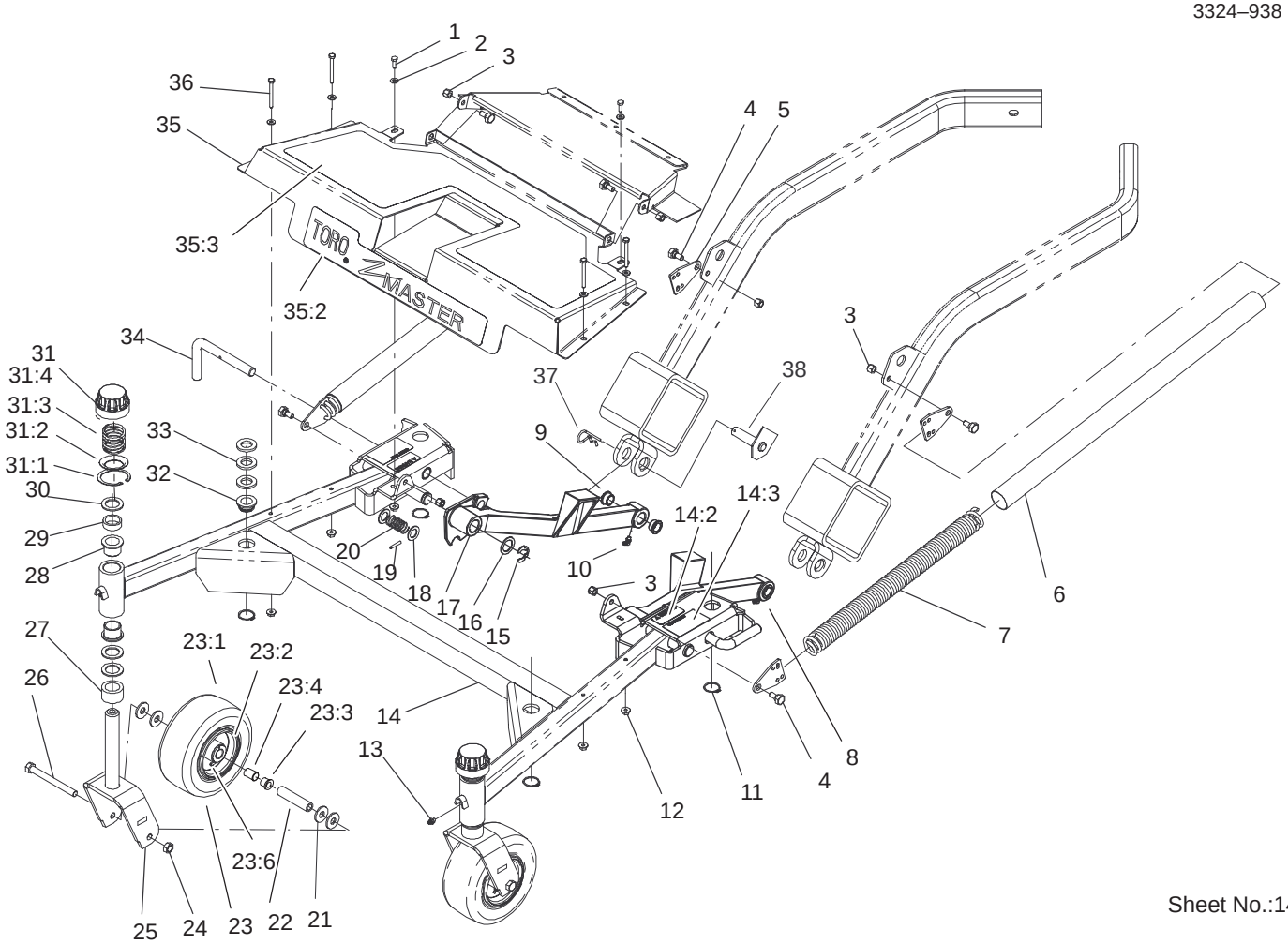
Sheet No.:A2
C–2971

Drive Shaft Assembly No. 94–4722

Ref. No.	Part No.	Qty.	Description
1	100–7765	1	Joint & Shaft Half ASM
1:2	54–9180	1	U–Joint Kit
1:2:1	62–3820	1	Fitting–Grease
2	100–7766	1	Joint & Tube Half ASM
2:2	54–9180	1	U–Joint Kit
2:2:1	62–3820	1	Fitting–Grease

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:14

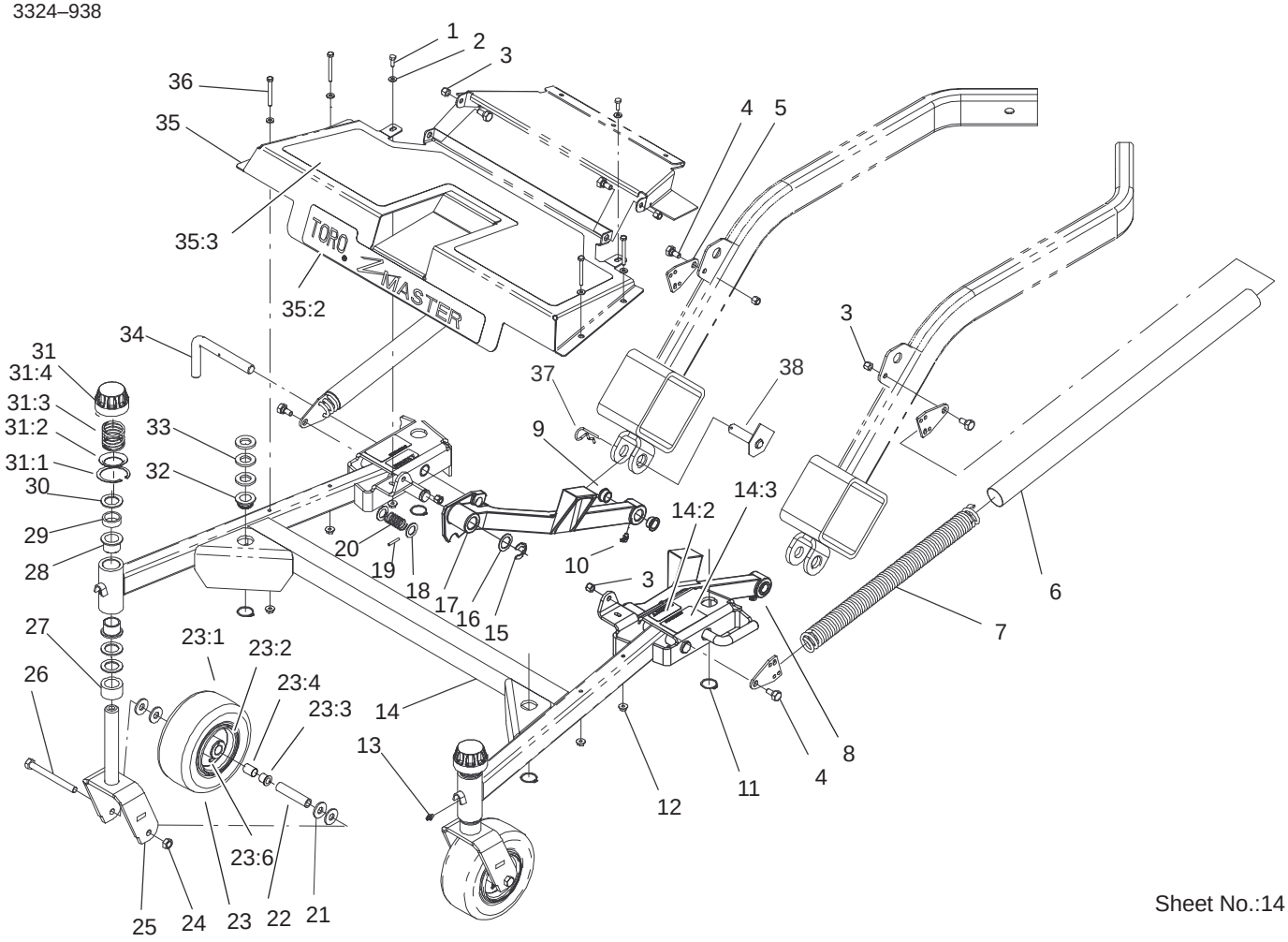
Carrier Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	321–4	2	Screw–HH
2	3256–22	6	Washer–Flat
3	3296–39	6	Nut–Lock, NI
4	46–3380	6	Bolt–Shoulder
5	94–4750	4	Plate – End, Spring
6	94–9550	2	Cover – Spring
7	94–4664	2	Spring – Extension
8	98–0817–01	1	Casting – Lift Arm, LH
9	27–9080	4	Bearing–Flange
10	302–60	2	Fitting–Lube
11	32120–33	4	Ring–Retaining
12	32128–33	6	Nut–HF
13	302–5	2	Fitting – Grease
14	100–7780	1	Carrier Frame ASM w/ Decals
14:2	55–4300	2	Decal
14:3	100–7769	2	Decal – Adjustment, Cutting Height
15	32151–91	2	Ring–Retaining
16	9202514	2	Washer
17	98–0818–01	1	Casting – Lift Arm, RH
18	9202254	4	Washer
19	32121–79	2	Pin–Roll
20	98–1339	2	Spring – Compression
21	3256–6	8	Washer–Flat
22	68–8980	2	Spanner–Tire

Ref. No.	Part No.	Qty.	Description
23	99–1268	2	Castor Wheel ASM
23:1	93–9939	1	Tire
23:2	100–2348	1	Rim Assembly
23:3	62–5580	2	Bearing–Outside
23:4	62–5570	1	Bearing–Roller
*23:5	100–5832	1	Tube w/ Valve
23:6	302–11	1	Fitting–Lube, 45°
24	32153–5	2	Nut–Lock
25	99–0295–01	2	Castor Fork ASM
26	325–19	2	Screw–HH
27	93–1167	2	Spacer – Castor
28	94–1291	4	Bushing–Special
29	63–0070	2	Spacer
30	3–6781	6	Washer–Thrust
31	92–8862	2	HOC Cap ASM
31:1	92–5581	1	Ring–Retaining
31:2	92–5583	1	Washer–Cap
31:3	92–5584	1	Spring–Compression
31:4	92–8861	1	Cap–HOC
32	1–513336	4	Bushing – Deck
33	1–513338	12	Washer – Flat
34	100–2389	2	Pin – Pivot
35	100–7774	1	Footrest ASM
35:2	100–7770	1	Decal – Z Master, Toro
35:3	100–7775	1	Pad – Footrest
36	321–15	4	Screw–HH

PROTOTYPE

* Not illustrated



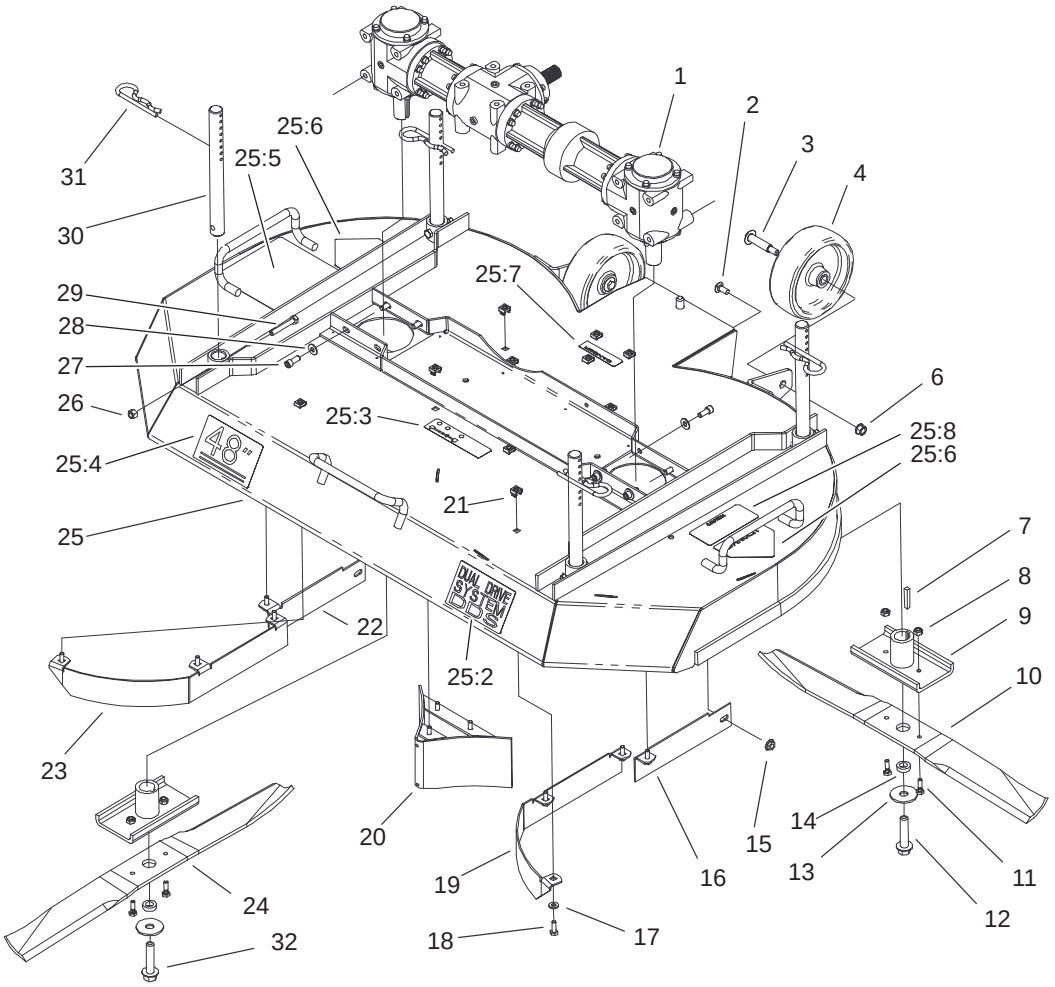
Sheet No.:14

Carrier Frame Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
37	3290–343	2	Pin–Hair
38	94–4755	2	Pivot Pin ASM

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



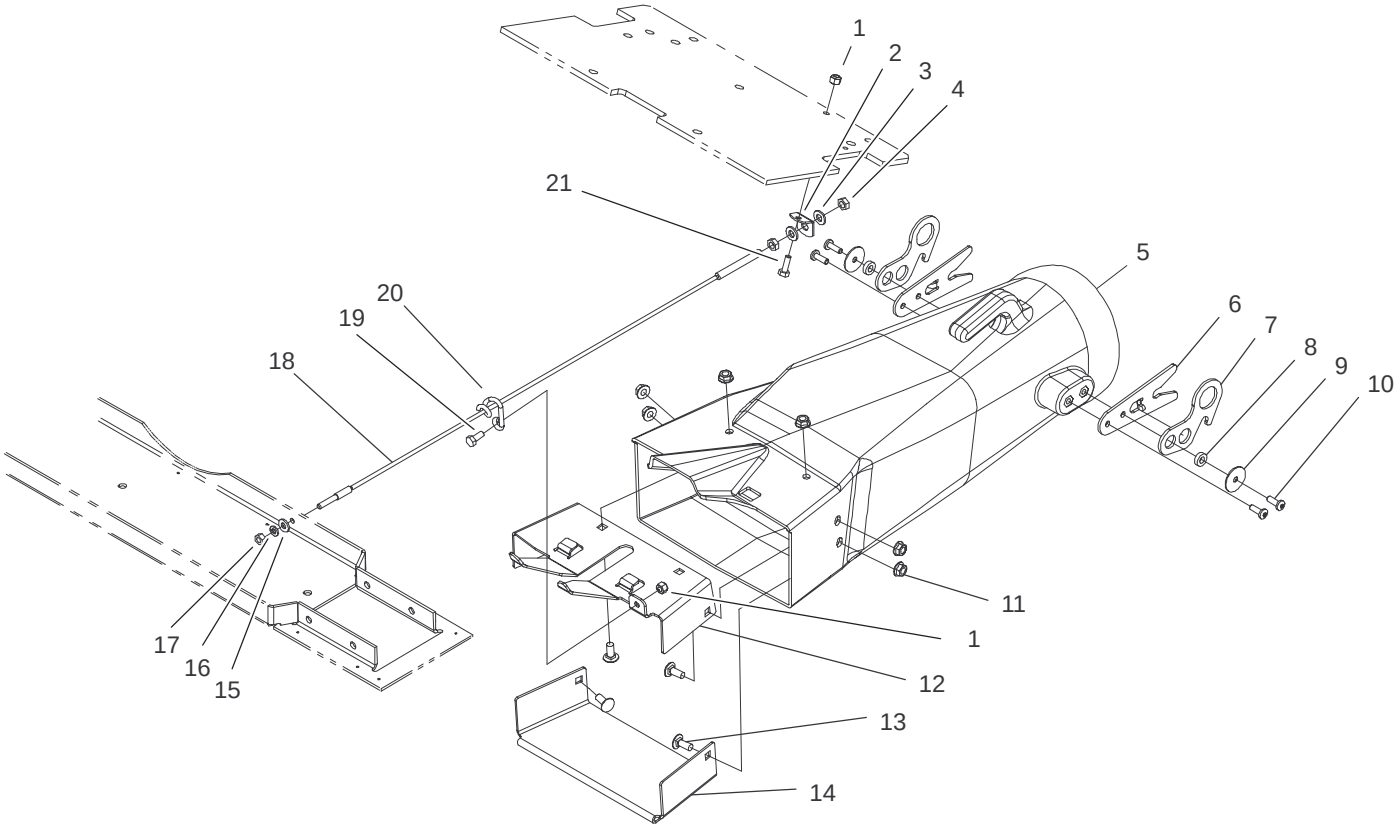
Sheet No.:15

Deck Assembly

Ref. No.	Part No.	Qty.	Description
1	104–2446	1	Gearbox Service Kit
2	3230–23	2	Screw–CARR
3	92–1057	2	Bolt–Shoulder
4	95–4102	2	Wheel
6	32128–21	2	Nut–HF
7	67–7490	2	Key
8	3296–16	4	Nut–Lock, NI
9	98–0810–01	2	Blade Retainer ASM
10	99–4942	1	Blade – 25”, LH
11	99–0283	4	Bolt – Shear
12	92–5816	1	Bolt–Blade
13	86–1990	2	Washer
14	99–0217	2	Spacer
15	32128–13	2	Nut–HF
16	104–0388–01	1	Bracket – Discharge, LH
17	3256–22	11	Washer–Flat
18	321–4	11	Screw–HH
19	98–3015–01	1	Baffle – LH
20	100–9655–01	1	Center Baffle ASM
21	32115–5	11	Nut–Retained
22	104–0389–01	1	Bracket – Discharge, RH
23	98–3016–01	1	Baffle – RH
24	99–4941	1	Blade – 25”, RH

Ref. No.	Part No.	Qty.	Description
25	104–0371	1	48 Deck ASM w/ Decals
25:2	100–7788	1	Decal – Dds
25:3	100–5809	1	Decal – Transmission Fluid
25:4	104–0354	1	Decal – 48
25:5	98–1304	1	Decal – Danger
25:6	43–8480	2	Decal–Danger
25:7	80–8760	1	Decal – Danger
25:8	68–8340	1	Decal–Torque, Blade Bolt
26	3296–29	4	Nut–Lock
27	104–0356	8	Screw – HSH
28	100–2400	8	Washer – Hard
29	322–10	4	Screw–HH
30	100–2393	4	Pin – Deck
31	3290–256	4	Pin–Cotter, Hair
32	104–2444	1	Bolt–Blade, LH Thread

PROTOTYPE



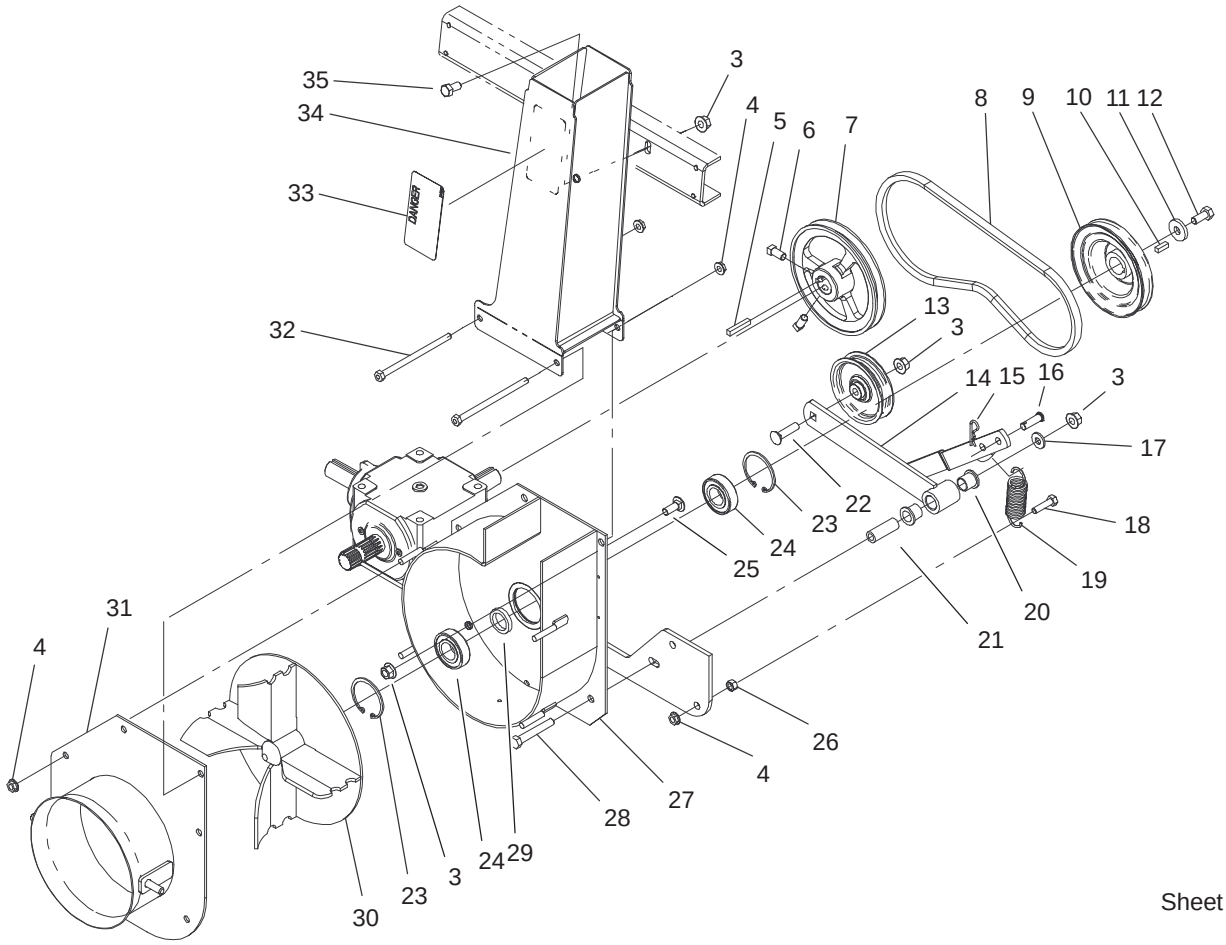
Sheet No.:16

Plenum Assembly

Ref. No.	Part No.	Qty.	Description
1	3296–42	2	Nut–Lock
2	98–3035	1	Bracket – Spring
3	3256–23	2	Washer–Flat
4	3218–2	2	Nut–Jam
5	104–2412	1	Plenum
6	104–0350	2	Plate – Guide
7	100–7799	2	Plate – Latch
8	104–0351	2	Spacer
9	3256–58	2	Washer–Flat
10	614267	4	Screw–PH,Torx
11	32128–35	6	Nut–HF
12	104–0385–03	1	Plate – Plenum, Top
13	3230–23	6	Screw–CARR
14	104–0386–03	1	Plate – Plenum, Bottom
15	3256–22	1	Washer–Flat
16	3253–3	1	Washer–Lock/Sp
17	3217–5	1	Nut–Hex
18	104–0396	1	Cable – Tension
19	321–3	1	Screw–HH
20	104–2405	1	Guide – Cable
21	321–4	1	Screw–HH

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



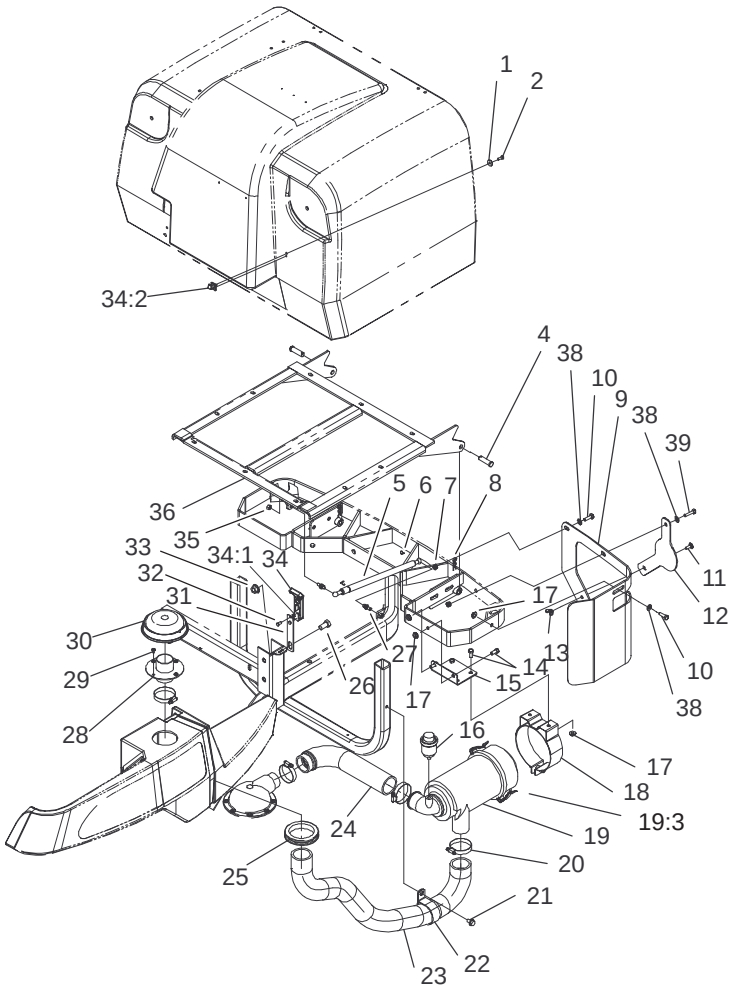
Sheet No.:17

Blower Assembly

Ref. No.	Part No.	Qty.	Description
3	32128–21	4	Nut–HF
4	32128–25	7	Nut–Flange
5	67–7490	1	Key
6	3242–4	2	Screw–Set, SQH
7	94–4630	1	Pulley – Gearbox
8	19–2650	1	V–Belt
9	99–0287	1	Pulley – Impeller
10	20–9540	1	Key
11	65–8680	1	Washer – Thrust, Plain
12	323–5	1	Screw–HH
13	56–4920	1	Idler Pulley
14	95–6437–03	1	Idler Arm ASM
15	3290–467	1	Pin–Hair
16	283–2	1	Pin–Clevis
17	3256–3	1	Washer–Flat
18	322–6	1	Screw–HH
19	67–1440	1	Spring–Extension
20	256–90	2	Bushing–Flange
21	95–6448	1	Spacer
22	3231–4	1	Screw–CARR
23	32120–8	2	Ring–Snap
24	251–82	2	Bearing–Ball
25	3231–2	1	Screw–CARR
26	3217–6	1	Nut–Hex
27	99–0290–03	1	Housing ASM
28	323–12	1	Screw–HH

Ref. No.	Part No.	Qty.	Description
29	95–6427	1	Spacer – Bearing
30	99–0296–03	1	Impeller ASM
31	100–7795–03	1	Cover ASM
32	322–29	2	Screw–HH
33	79–0360	1	Decal–Danger
34	104–2418–03	1	Impeller Chute ASM
35	323–4	1	Screw–HH

PROTOTYPE



Sheet No.:18

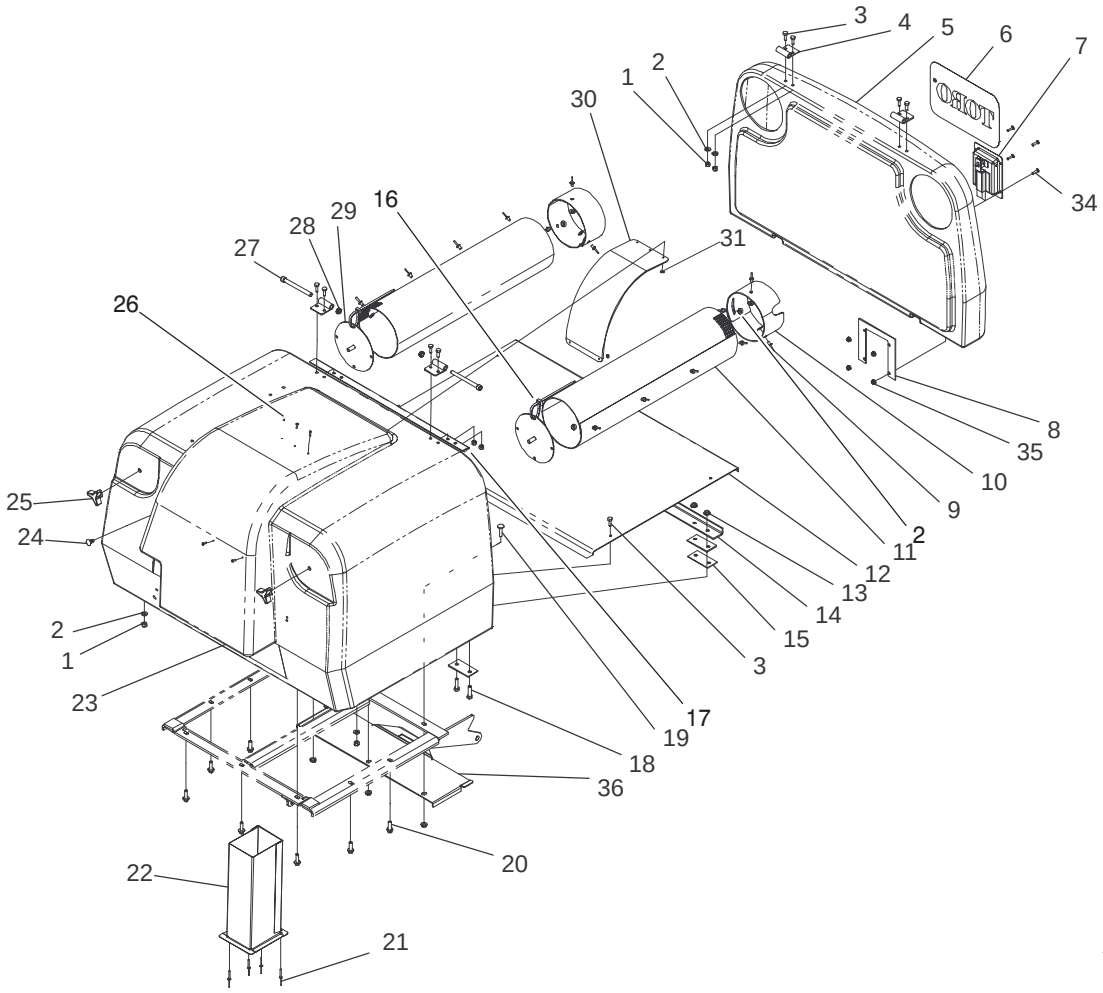
Air Cleaner and Bagger Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	3256–61	1	Washer–Flat
2	3290–134	1	Screw–Ind Hex
4	283–40	2	1/2x 1–3/4 Clevis Pin
5	98–3043	1	Gas Spring
6	98–3044	2	Safety Clip
7	3296–29	2	Nut–Lock
8	3290–355	2	Pin–Hair
9	104–0355–03	1	Guard – Filter, Air
10	322–5	2	Screw–HH
11	3230–23	1	Screw–CARR
12	104–0364–03	1	Plate – Cover
13	32103–29	1	Nut–Wing
14	322–3	4	Screw–HH
15	100–2412–03	1	Bracket
‡16		1	Filter Minder
17	32128–13	5	Nut–HF
‡18		1	Bracket–A/C
‡19		1	Air Cleaner
*19:1	100–4557	1	Filter – Safety
*19:2	100–4556	1	Element A/C
19:3	99–3174	2	Clip–Cleaner, Air
*19:4	99–3175	1	Valve–Ejector, Dust
20	2412–130	4	Hose Clamp
21	32144–14	1	Screw–HWH
22	2412–102	1	R–Clamp
23	100–2405	1	Hose

Ref. No.	Part No.	Qty.	Description
24	100–2406	1	Hose
25	240–8	1	Rubber Grommet
26	325–4	1	Screw–HH
27	88–6770	2	Stud–Ball
28	100–2411–03	1	Flanged Connector ASM
29	32104–111	4	Screw
‡30		1	Hood
31	98–3032	1	Bracket – Latch
32	3290–359	2	Screw–HWH
33	32128–23	1	Nut–HF
34	94–5626	1	Latch – Draw, Flexible
34:1	100–5806	1	Handle – Latch
34:2	100–5807	1	Keeper – Latch
35	32152–1	2	Nut–Lock, NI
36	104–2432–03	1	Grass Bin Frame ASM
38	3256–23	3	Washer–Flat
39	322–6	1	Screw–HH

PROTOTYPE

‡ Obtain locally.
* Not illustrated



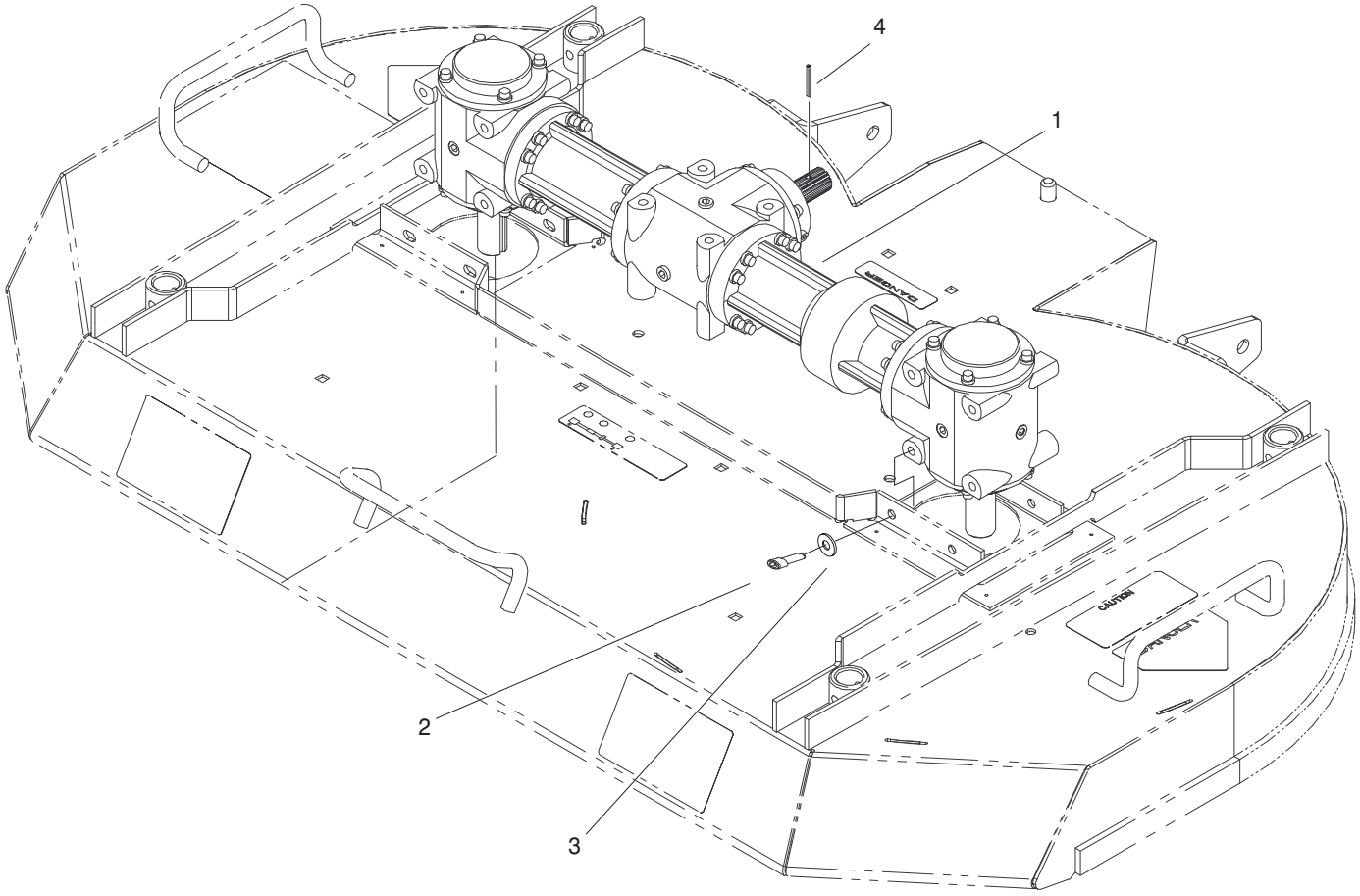
Sheet No.:19

Bagger Assembly

Ref. No.	Part No.	Qty.	Description
1	3296–42	10	Nut–Lock
2	3256–22	20	Washer–Flat
3	321–4	10	Screw–HH
4	98–3027–03	4	Hinge
5	100–9617	1	Cover – Bin
6	67–7310	1	Decal – Toro Logo, 7”
7	100–9631	1	Lever – Latch
8	100–9632–03	1	Plate – Latch
9	3290–412	14	Rivet
10	100–5845	2	Ring – Support
11	95–6441	2	Screen
12	100–4550–03	1	Floor – Hopper
13	32128–25	14	Nut–Flange
14	98–0849–03	1	Flange – Bin
15	98–3004	6	Spacer
16	3290–378	8	Tie–Cable
17	98–3036–03	1	Angle – Bin
18	322–6	4	Screw–HH
19	3230–3	3	Screw–CARR
20	3234–17	7	Screw–HHF
21	98–7310	4	Rivet
22	95–6482–03	1	Chute ASM
23	104–2417	1	Bin – Grass
24	104–0395	1	Plug – Plastic
25	233–52	2	Knob
26	3269–17	5	Pop Rivet

Ref. No.	Part No.	Qty.	Description
27	3274–102	2	Screw–HSH
28	3296–59	2	Nut–Lock, NI
29	95–6444–03	2	Plate ASM
30	100–4552	1	Plate – Wear
31	3256–12	5	Washer–Flat
34	104–2408	4	Screw – Button Head
35	32128–17	4	Nut – Lock, Flange
36	100–7773–03	1	Plate – Latch

PROTOTYPE



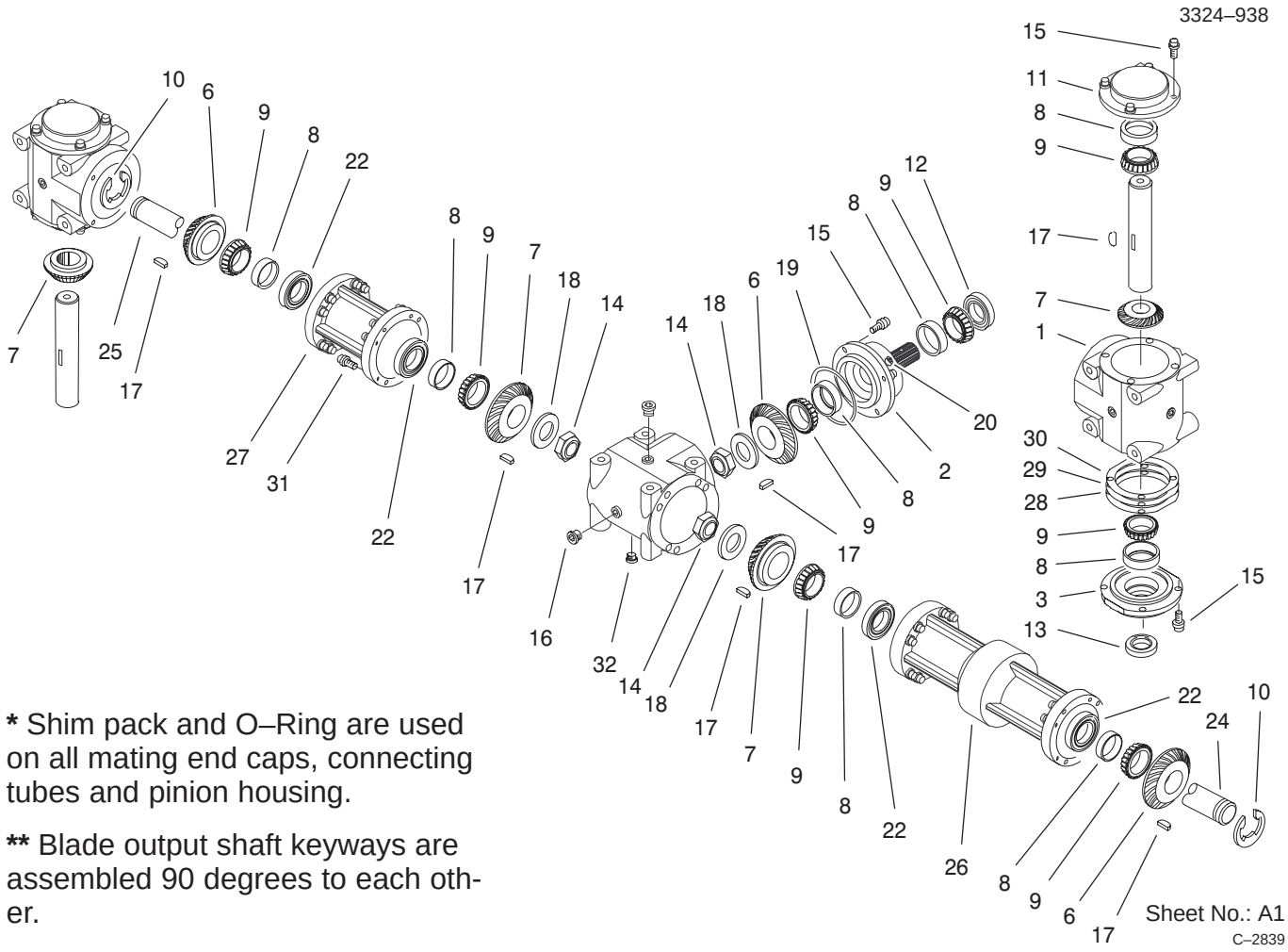
Sheet No.: 0
C–2840

Gearbox Kit Assembly

Ref. No.	Part No.	Qty.	Description
1		1	Gearbox ASM
2	104–0356	8	Screw – HSH
3	100–2400	8	Washer – Hard
4	32121–48	1	Pin–Spring

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



***** Shim pack and O–Ring are used on all mating end caps, connecting tubes and pinion housing.

****** Blade output shaft keyways are assembled 90 degrees to each other.

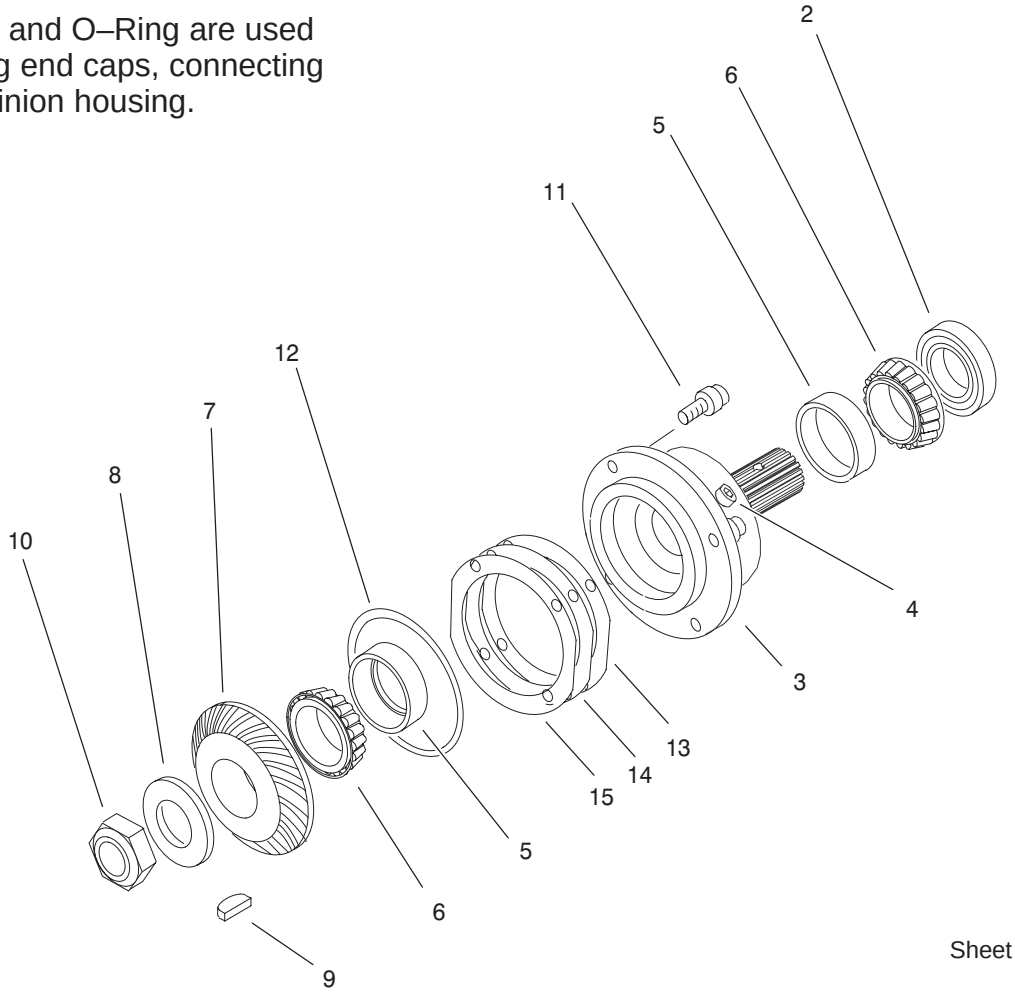
Gearbox Assembly No. 104–2446

Ref. No.	Part No.	Qty.	Description
1	100–4564	3	Case
2	100–4565	1	Housing – Pinion
3	100–4566	2	Cap – End, Open
*4	100–7755	1	Pinion Service ASM, Splined
*5	100–7754	1	Shaft Service ASM, LH
6	100–4569	3	Gear – 27 Tooth
7	100–4570	4	Gear – 29 Tooth
8	100–4571	10	Cup – Bearing
9	100–4572	10	Cone – Bearing
10	100–4573	2	Ring – Retaining
11	100–4574	2	Cap – End, Closed
12	100–4575	1	Seal
13	100–4576	2	Seal
14	100–4577	3	Nut – Jam
15	100–4578	20	Screw
16	100–4579	8	Plug
17	100–4580	7	Key – Woodruff
18	100–4581	3	Washer
19	100–4582	9	O–Ring
20	100–4583	1	Plug
22	100–4585	4	Seal
*23	104–2427	1	Shaft Service ASM, RH
24	100–4587	1	Shaft – Connecting, Long
25	100–4588	1	Shaft – Connecting, Short
26	100–4589	1	Flange – Connecting, Long
27	100–4590	1	Flange – Connecting, Short
28	100–4591	1	Shim – Brown
29	100–4592	1	Shim – Blue
30	100–4593	1	Shim – Green
31	100–4594	32	Screw
32	100–4595	1	Plug – Magnetic

* Not illustrated

PROTOTYPE

***** Shim pack and O–Ring are used on all mating end caps, connecting tubes and pinion housing.



Sheet No.: A2
C–2968

Pinion Assembly No. 100–7755

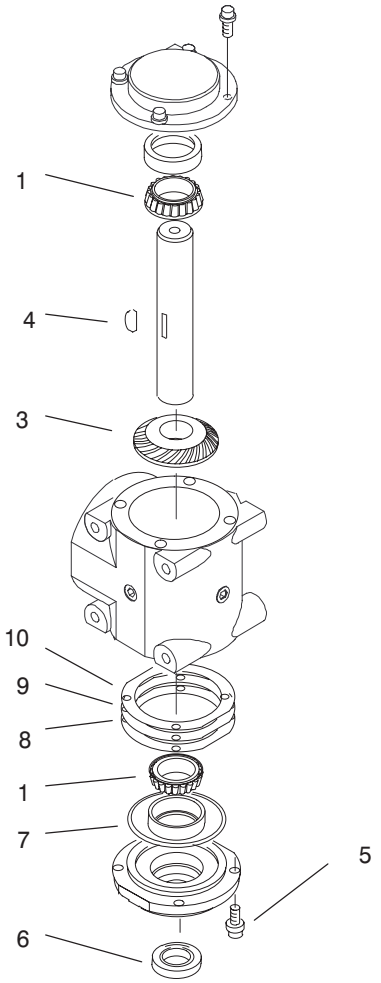
Ref. No.	Part No.	Qty.	Description
2	100–4575	1	Seal
3	100–4565	1	Housing – Pinion
4	100–4583	1	Plug
5	100–4571	2	Cup – Bearing
6	100–4572	2	Cone – Bearing
7	100–4569	1	Gear – 27 Tooth
8	100–4581	1	Washer
9	100–4580	1	Key – Woodruff
10	100–4577	1	Nut – Jam
11	100–4578	4	Screw
12	100–4582	1	O–Ring
13	100–4591	2	Shim – Brown
14	100–4592	1	Shim – Blue
15	100–4593	1	Shim – Green

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

***** Shim pack and O–Ring are used on all mating end caps, connecting tubes and pinion housing.

****** Blade output shaft keyways are assembled 90 degrees to each other.



Sheet No.: A3
C–2969

Lefthand Shaft Service Assembly No. 100–7754

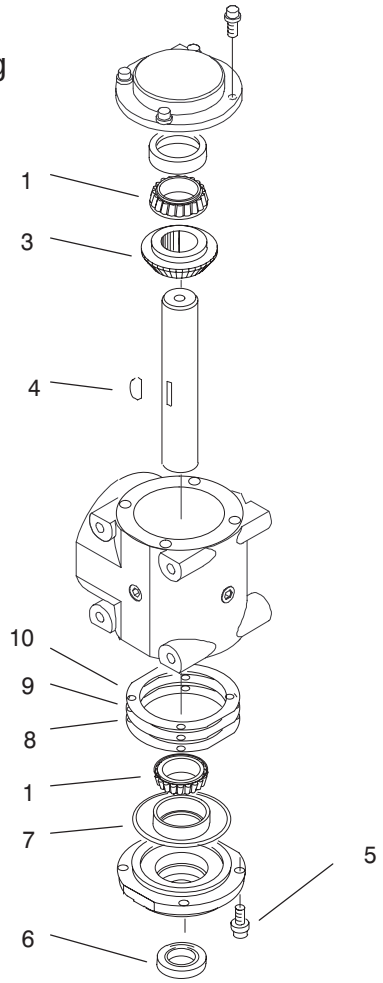
Ref. No.	Part No.	Qty.	Description
1	100–4572	2	Cone – Bearing
3	100–4570	1	Gear – 29 Tooth
4	100–4580	1	Key – Woodruff
5	100–4578	4	Screw
6	100–4576	1	Seal
7	100–4582	1	O–Ring
8	100–4591	2	Shim – Brown
9	100–4592	1	Shim – Blue
10	100–4593	1	Shim – Green

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

***** Shim pack and O–Ring are used on all mating end caps, connecting tubes and pinion housing.

****** Blade output shaft keyways are assembled 90 degrees to each other.



Sheet No.: A4
C–2970

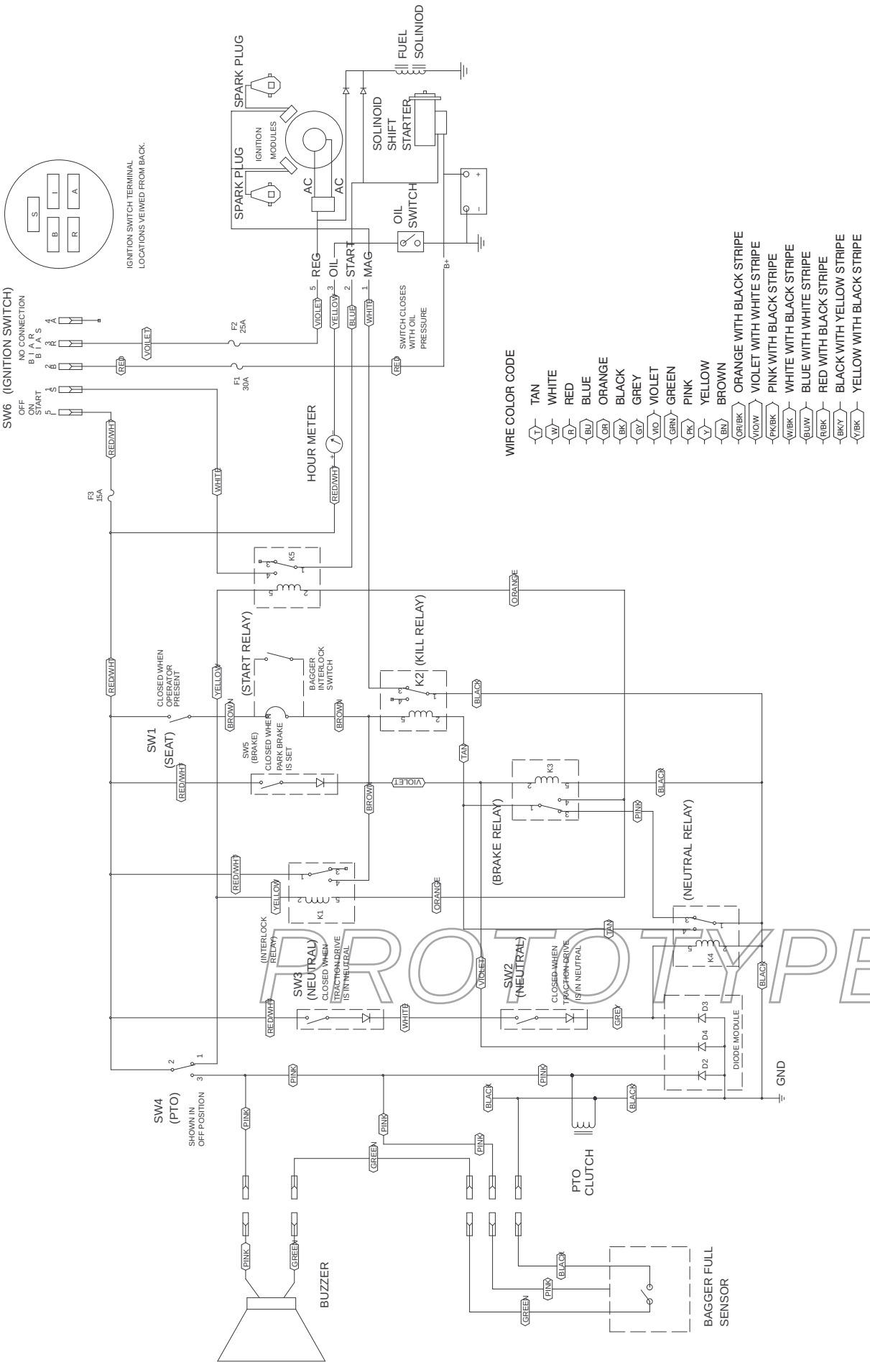
Righthand Shaft Service Assembly No. 104–2427

Ref. No.	Part No.	Qty.	Description
1	100–4572	2	Cone – Bearing
3	100–4570	1	Gear – 29 Tooth
4	100–4580	1	Key – Woodruff
5	100–4578	4	Screw
6	100–4576	1	Seal
7	100–4582	1	O–Ring
8	100–4591	2	Shim – Brown
9	100–4592	1	Shim – Blue
10	100–4593	1	Shim – Green

Ref. No.	Part No.	Qty.	Description

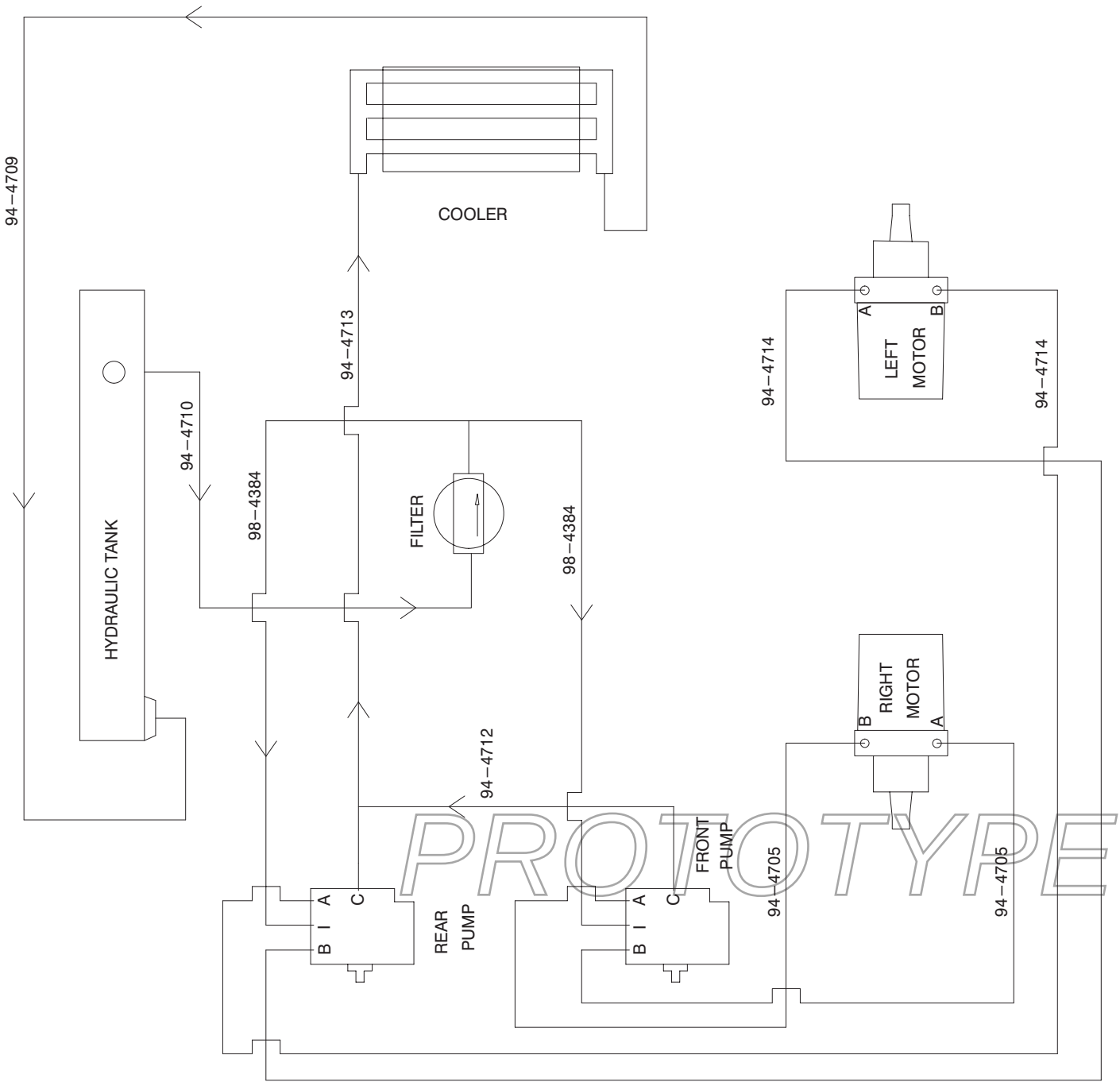
PROTOTYPE

Electric Schematic

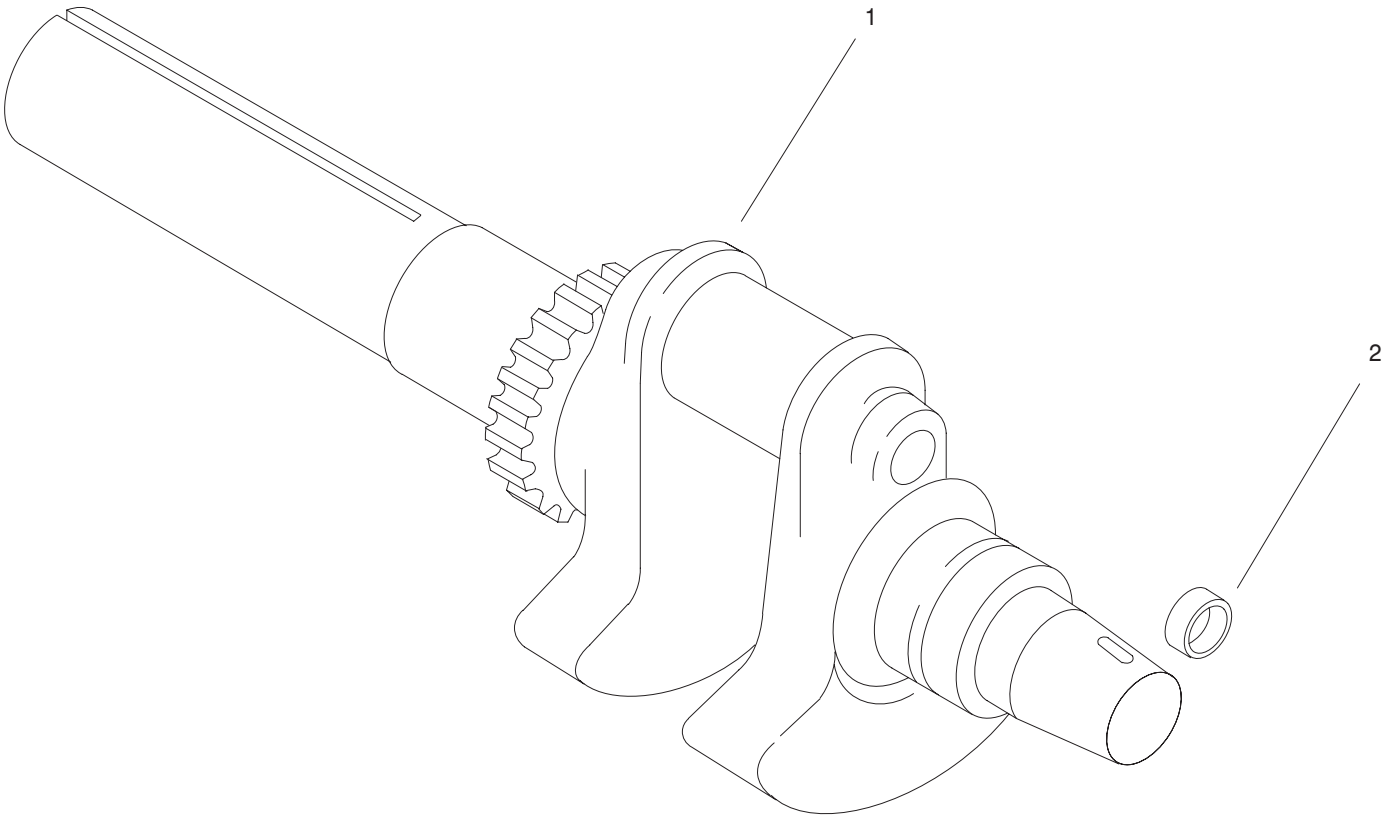


PROTOTYPE

Hydraulic Schematic



PROTOTYPE



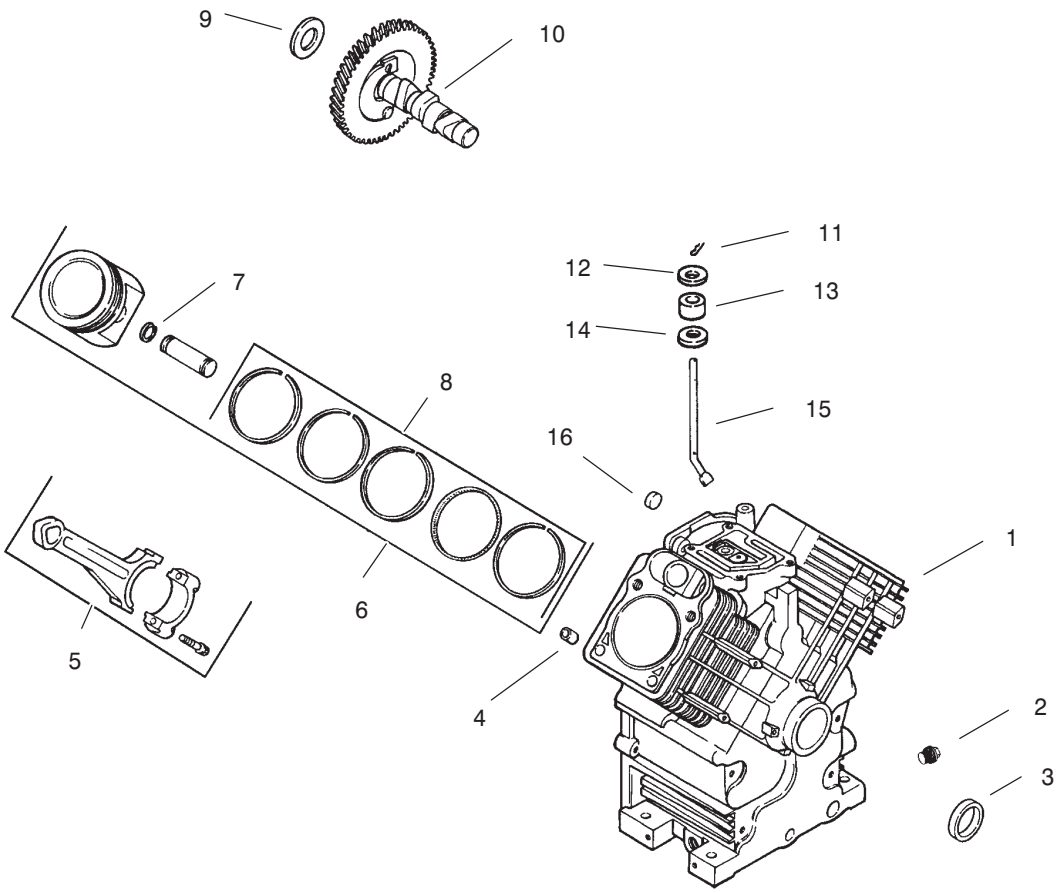
Crankshaft (Kohler CH20S PS64644)

Ref. No.	Part No.	Qty.	Description
1	24 014 72–S		Crankshaft (Incl. Ref. 2)
2	52 139 09–S		Plug, cup

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

Obtain Parts from Kohler



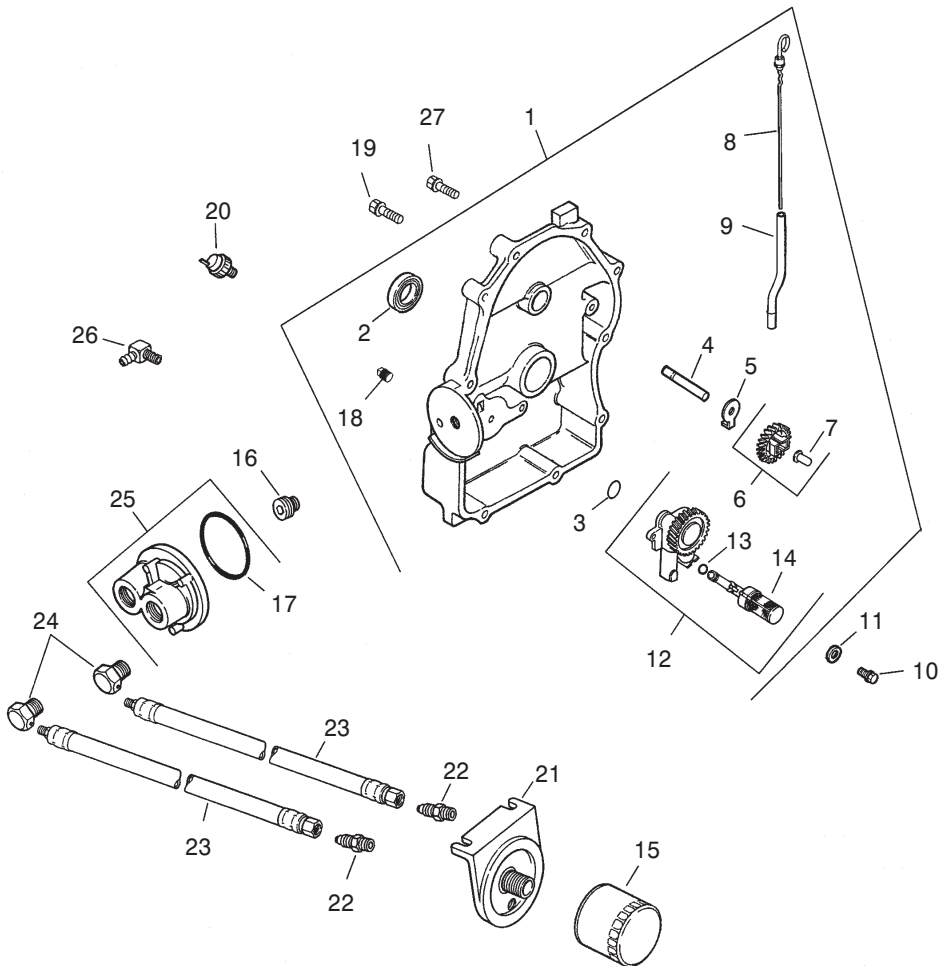
Crankcase (Kohler CH20S PS64644)

Ref. No.	Part No.	Qty.	Description
1			Crankcase (USE: Miniblock 24 782 01)
2	X -75-10–S	2	Plug, hex. hd. 3/8 N.P.T.F.
3	24 032 01–S		Seal, oil front
4	12 380 17–S	6	Pin, dowel locating
5	24 067 13–S	2	Connecting Rod (Std.)
	24 067 14–S	2	Connecting Rod (.25)
6	24 874 01–S	2	Piston w/Ring Set (Std.) (Includes 7,8)
	24 874 02–S	2	Piston w/Ring Set (.25)
	24 874 03–S	2	Piston w/Ring Set (.50)
	24 874 14–S	2	Piston w/Ring Set (.08)
7	24 018 01–S	4	Retainer, piston pin
8	24 108 01–S	2	Ring Set (Std.)
	24 108 02–S	2	Ring Set (.25)
	24 108 03–S	2	Ring Set (.50)
9	12 422 09–S	AR	Shim, camshaft
	12 422 13–S	AR	Shim, camshaft
	12 422 07–S	AR	Shim, camshaft
	12 422 08–S	AR	Shim, camshaft
	12 422 10–S	AR	Shim, camshaft
	12 422 11–S	AR	Shim, camshaft
	12 422 12–S	AR	Shim, camshaft
10	24 012 10–S	AR	Camshaft
11	12 380 04–S		Pin, hitch

Ref. No.	Part No.	Qty.	Description
12	M-631005–S		Washer, plain 6 mm
13	12 032 01–S		Seal, governor cross shaft
14	X-25-102–S		Washer, plain 1/4
15	24 144 01–S		Shaft, governor cross
16	52 139 09–S		Plug, cup
*	24 113 56–S		Decal

PROTOTYPE

Obtain Parts from Kohler
* Not Illustrated

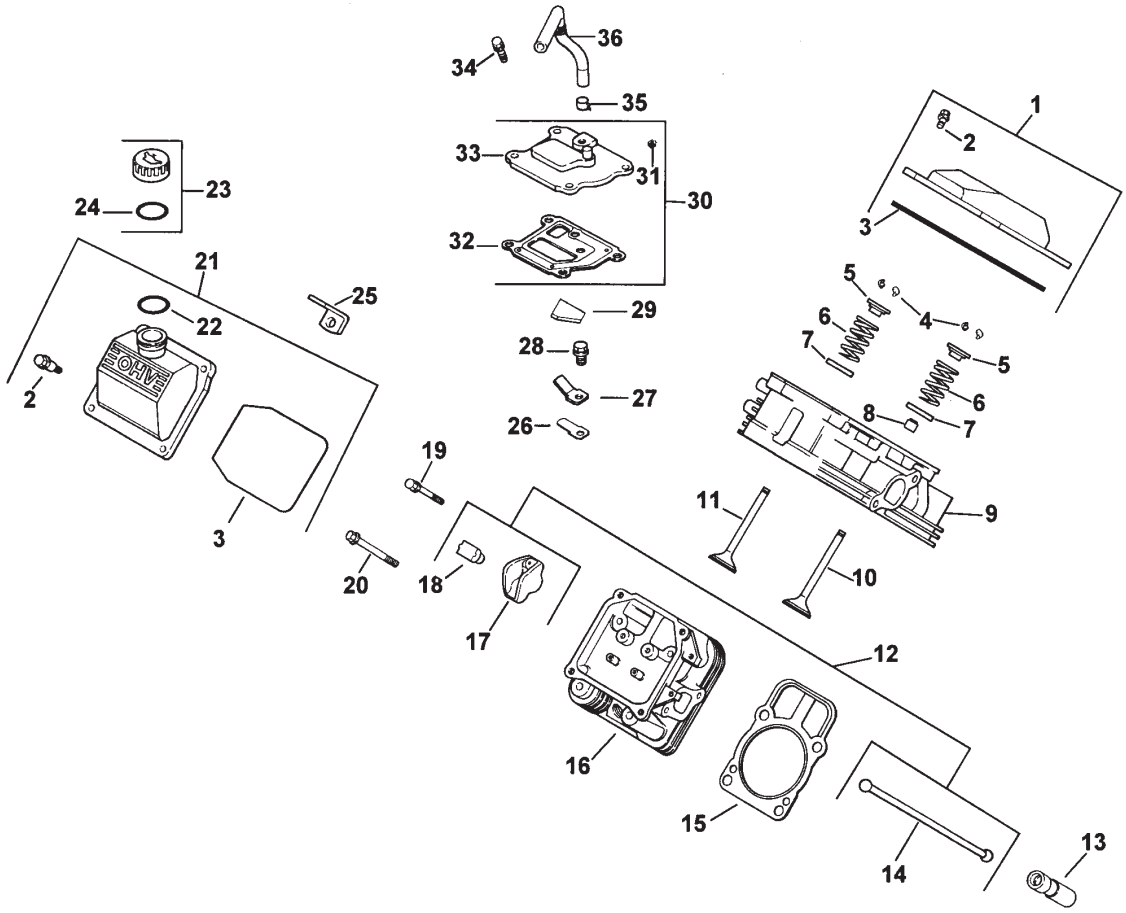


Oil Pan / Lubrication (Kohler CH20S PS64644)

Ref. No.	Part No.	Qty.	Description
1	24 009 82–S		Kit, closure plate (incl. 2–9&13,14&18)
2	52 032 08–S		Seal, oil (PTO end)
3	24 153 08–S		O–Ring
4	12 144 02–S		Shaft, governor gear
5	52 448 02–S		Tab, locking
6	24 043 12–S		Kit, governor gear w/pin (Includes 7)
7	12 380 01–S		Pin, governor regulating
8	24 038 06–S		Dipstick
9	24 123 08–S		Tube, dipstick
10	M-645025–S	6	Screw, hex. flange M6x1.0x25
11	M-631005–S	2	Washer, plain 6 mm
12	24 393 10–S		Oil pump assembly (Includes 13–14)
13	24 153 01–S		O–Ring, oil pick–up
14	24 381 04–S		Pick–up, oil
15	52 050 02–S		Filter, oil
16	24 136 01–S		Nipple, oil filter
17	24 153 13–S		O–Ring
18	X-75-23–S		Plug, allen hd. 1/8 pipe
19	24 086 16–S	9	Screw, hex. flange M8x1.25x45
20	24 099 03–S		Switch, oil pressure
21	25 029 01–S		Adapter, remote oil filter
22	52 136 02–S	2	Nipple, hex
23	52 326 11–S	2	Hose, oil
24	24 294 04–S	2	Reducer, fitting
25	24 029 02–S	2	Adapter, oil filter (incl. 22)
26	25 155 02–S		Connector
27	24 086 17–S		Screw, hex. flange M8x1.25x45
*	24 113 25–S		Decal, oil cooler

PROTOTYPE

Obtain Parts from Kohler
* Not Illustrated



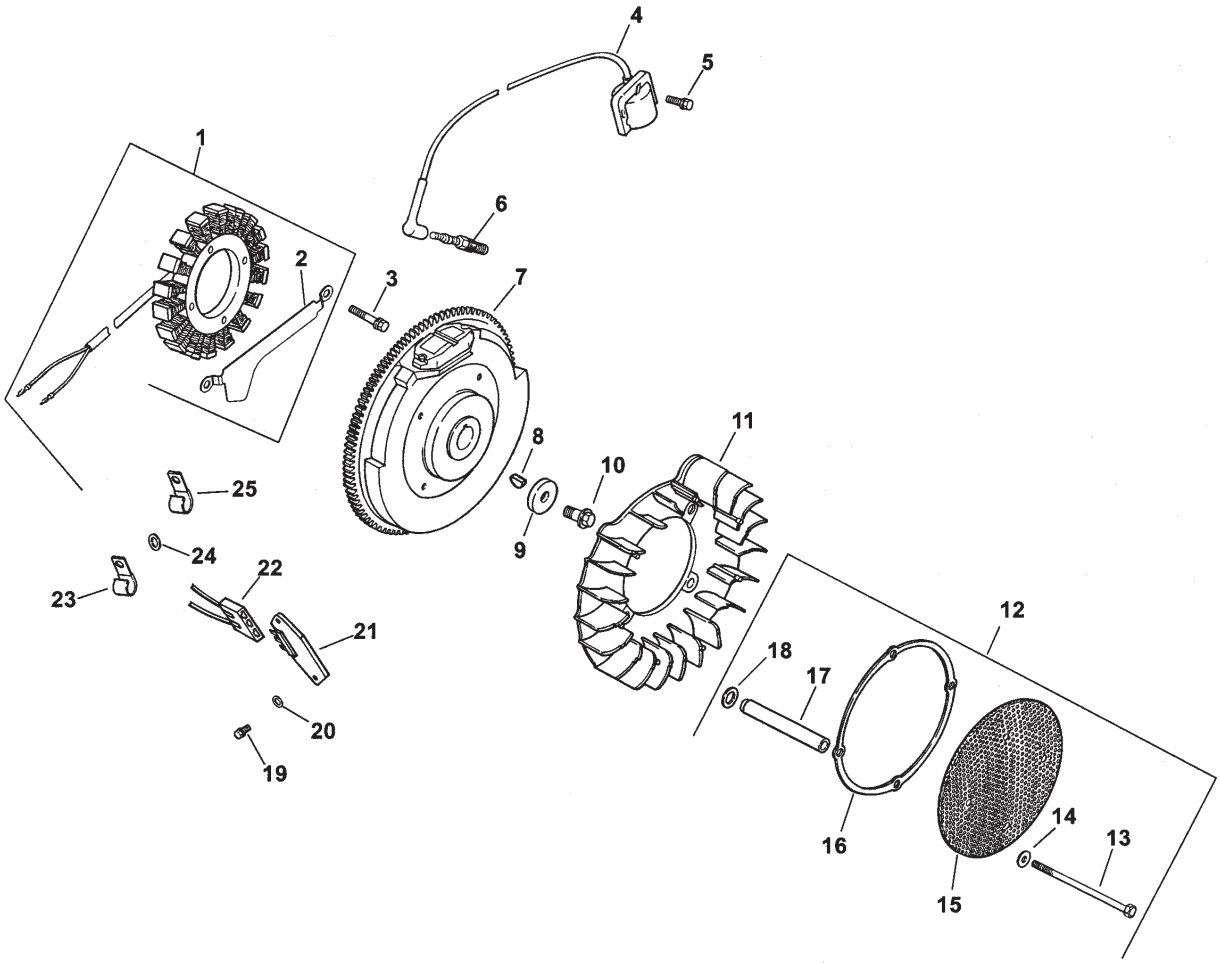
Head / Valve / Breather (Kohler CH20S PS64644)

Ref. No.	Part No.	Qty.	Description
1	24 755 74–S		Kit, valve cover – plain (Includes 2,3)
2	24 086 32–S	4	Screw, shoulder
3	24 153 16–S		O–Ring, valve cover
4	12 755 03–S	4	Kit, retainer
5	12 173 01–S	4	Cap, valve spring
6	24 089 02–S	4	Spring, valve
7	235011–S	4	Retainer, spring
8	24 032 05–S	2	Seal, valve stem
9	24 318 09–S		Head assembly #1 cylinder
10	24 017 01–S	2	Valve, intake (Std.)
	24 017 02–S	2	Valve, intake (.25)
11	24 016 01–S	2	Valve, exhaust (Std.)
	24 016 02–S	2	Valve, exhaust (.25)
12	24 755 66–S		Kit, valve train (Includes 14,17,18)
13	12 351 01–S	4	Lifter, valve
14	24 411 05–S	4	Rod, push
15	24 041 16–S	2	Gasket, cylinder head
16	24 318 08–S		Head assembly, #2 cylinder
17	25 186 01–S	4	Arm, rocker
18	24 599 01–S	4	Pivot, rocker arm
19	M-640034–S	4	Screw, hex. flange M6x1.0x34

Ref. No.	Part No.	Qty.	Description
20	12 086 16–S	8	Screw, M10x1.5x90
21	24 755 75–S		Kit, valve cover – oil fill (Includes 2,3,22)
22	24 153 09–S		O–Ring
23	24 755 46–S		Kit, oil fill cap (Includes 24)
24	12 153 03–S		O–Ring, oil fill cap
25	24 445 01–S		Strap, lifting
26	24 402 03–S		Reed, breather
27	12 018 01–S		Retainer, breather reed
28	M-545010–S		Screw, hex. flange M5x0.8x10
29	24 050 01–S		Filter, breather
30	24 033 01–S		Kit, breather (Includes 31–33)
31	X-75-23–S		Plug, allen head 1/8 pipe
32	24 041 23–S		Gasket, breather
33	24 096 58–S		Cover, breather
34	M-645020–S	4	Screw, hex. flange M6x1.0x20
35	X-426-9–S		Clamp, breather
36	24 326 26–S		Hose, breather

PROTOTYPE

Obtain Parts from Kohler

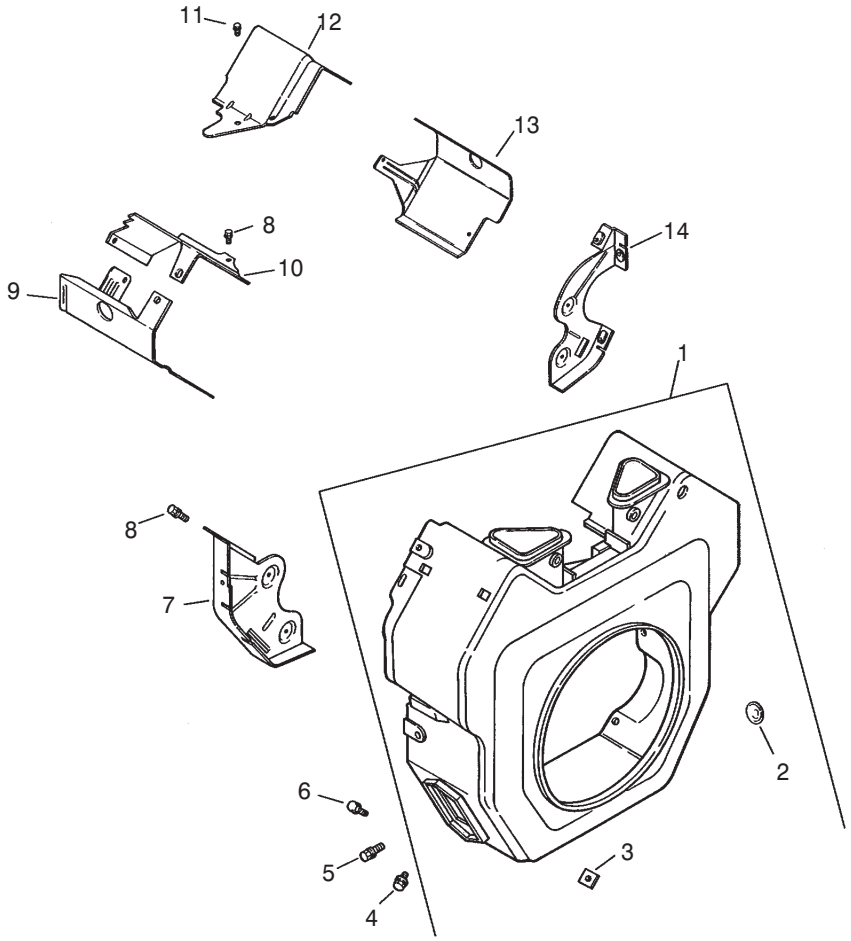


Ignition / Electrical (Kohler CH20S PS64644)

Ref. No.	Part No.	Qty.	Description
1	54 755 09–S		Kit, 15 amp stator (Incl. 2)
2	24 126 71–S		Bracket, stator wire
3	M-548025–S	2	Screw, hex. cap M5x0.8x25
4	24 584 01–S	2	Module, ignition
5	M-545020–S	4	Screw, hex. flange M5x0.8x20 (4)
6	12 132 06–S	2	Spark Plug
7	24 025 01–S		Flywheel
8	X-42-15–S		Key
9	12 468 03–S		Washer, plain 3/8.
10	12 086 14–S		Screw, hex. flange M10x1.5x46
11	24 157 03–S		Fan
12	24 755 79–S		Kit, chopper screen (incl. 13–18)
13	M-603100–S	4	Screw, hex. head. M6x1.0x100
14	X-25-53–S	4	Washer, plain 1/4”
15	24 162 25–S		Screen, grass
16	24 141 06–S		Ring, support
17	24 112 14–S	4	Spacer, grass screen
18	24 468 11–S	4	Washer, spring 10 mm
19	24 086 18–S		Screw, phillips hd. 11–16x7/8
20	X-25-92–S	2	Washer, plain 3/16
21	25 403 03–S		Rectifier–regulator 15 amp
22	236602–S		Connector
23	235173–S		Clip, cable
24	X-25-63–S		Washer, plain 1/4
25	48 154 02–S		Clip, cable
*	24 176 40–S		Harness, wiring
*	24 518 12–S		Lead, black 5”–12 gauge – insulated grip barrel eyelet terminals)
*	25 086 43–S		Screw, set (adjusts grass scraper blade)
*	25 454 03–S	2	Tie, cable

PROTOTYPE

Obtain Parts from Kohler
* Not Illustrated

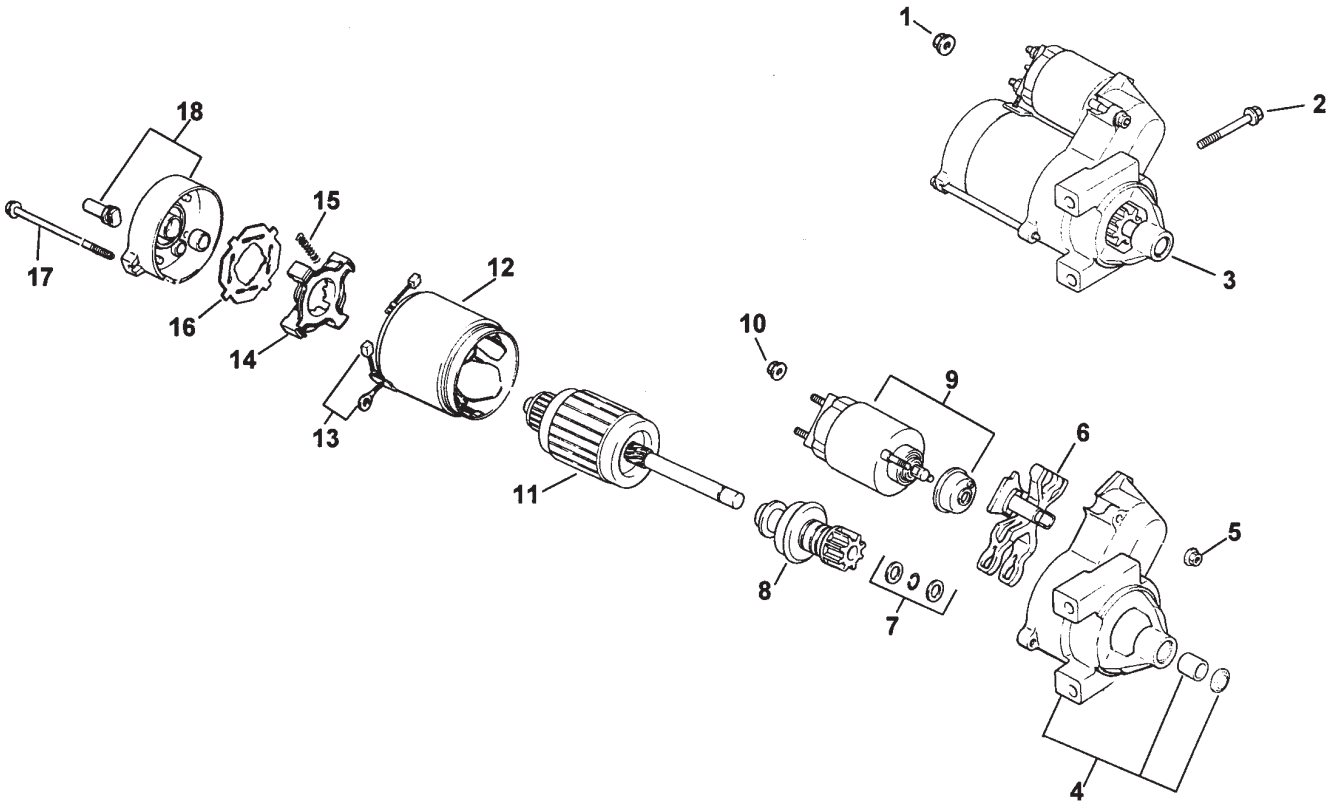


Blower Housing & Baffles (Kohler CH20S PS64644)

Ref. No.	Part No.	Qty.	Description
1	54 027 05–S		Housing, blower assembly (Incl. 2,3)
2	25 088 43–S		Screw, set
3	24 100 01–S	3	Nut, plastic
4	M-551016–S		Screw, hex. flange M5x0.8x16
5	M-545016–S	3	Screw, hex flange M5x0.8x16
6	M-545020–S	4	Screw, hex flange M5x0.8x20
7	24 146 16–S		Plate, backing – #2 side
8	M-645016–S	6	Screw, hex. flange M6x1.0x16
9	24 063 20–S		Baffle, cylinder barrel – #2 side
10	24 063 17–S		Baffle, valley – #2 side
11	M-545010–S	2	Screw, hex. flange M5x0.8x10
12	24 063 24–S		Baffle, valley – #1 side
13	24 063 30–S		Baffle, cylinder barrel – #1 side
14	24 146 20–S		Plate, backing – #1 side
*	24 113 67–S		Decal, horsepower

PROTOTYPE

Obtain Parts from Kohler
* Not Illustrated



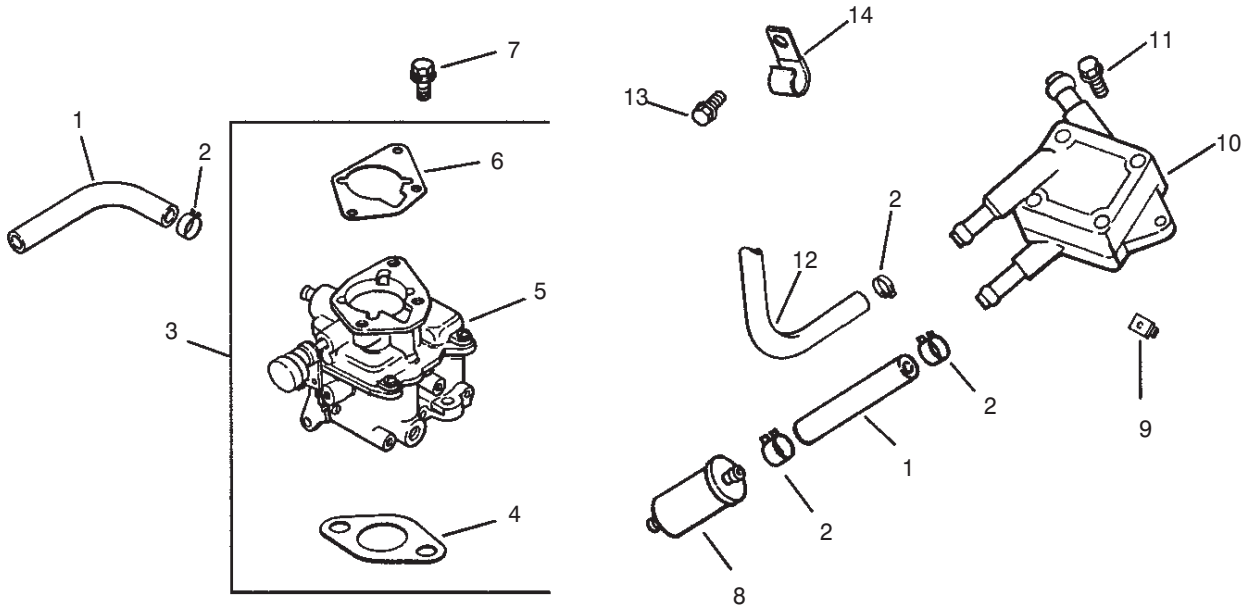
Starting System (Kohler CH20S PS64644)

Ref. No.	Part No.	Qty.	Description
1	M-841080–S		Nut, hex flange M8x1.25
2	M-839080–S	2	Screw, hex. flange M8x1.25x80
3	24 098 01–S		Starter, solenoid shift (Includes 4–18)
4	24 081 04–S		Drive, end cap
5	52 100 10–S	2	Nut, starter
6	12 090 10–S		Lever, starter drive
7	24 755 84–S		Kit, starter repair
8	12 239 01–S		Drive, pinion
9	52 435 02–S		Solenoid
10	52 100 09–S		Nut, starter
11	12 170 04–S		Armature, starter
12	12 471 01–S		Frame
13	52 221 01–S		Kit, brush & spring (Includes 15)
14	52 323 03–S		Holder, brush
15	52 089 09–S	4	Spring, brush
16	52 168 01–S		Insulator
17	52 211 05–S	2	Bolt, thru
18	24 301 01–S		Commutator, end cap

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

Obtain Parts from Kohler



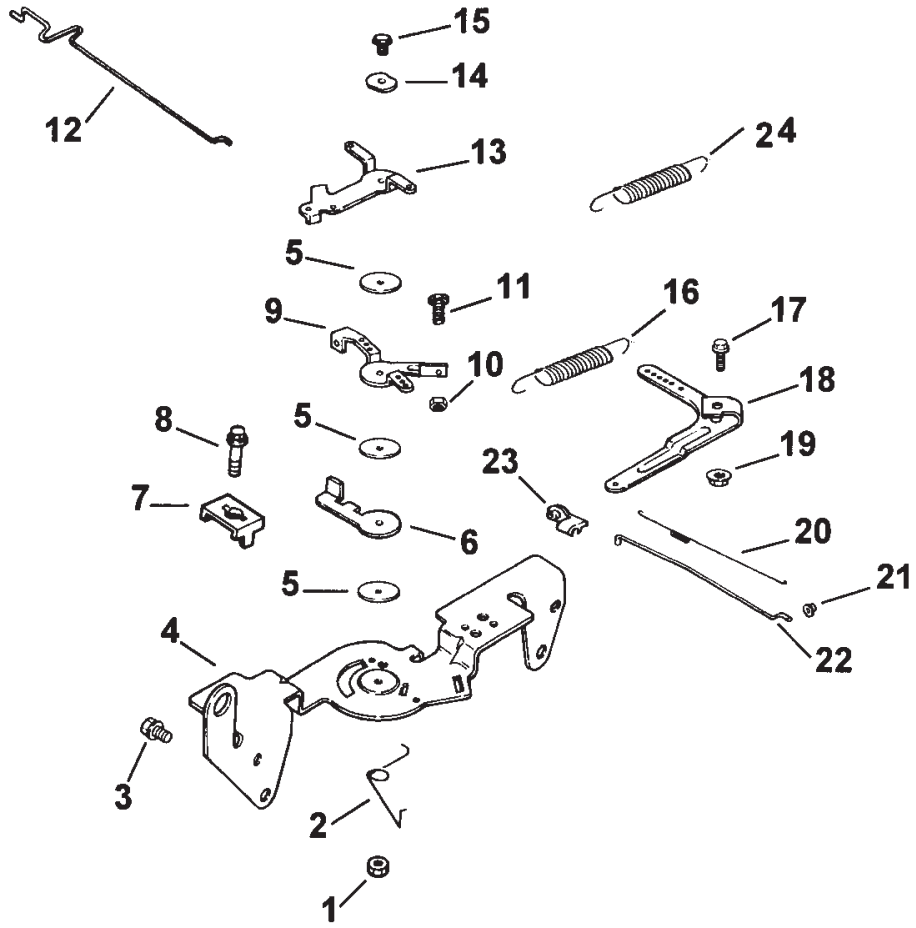
Fuel System (Kohler CH20S PS64644)

Ref. No.	Part No.	Qty.	Description
1	25 353 10–S	2	Line, fuel 9”
2	X–426–9–S	6	Clamp, hose
3	24 853 75–S		Kit, carburetor w/gasket (Includes 4–6)
4	24 041 06–S		Gasket, air cleaner
5			Carburetor assembly (For information only not available seperately) (Includes 24 757 01-S, 24 757 02-S, 24 757 03-S, & 24 757 07-S, 24 053 75
6	24 041 17–S		Gasket, carburetor
7	M–651030–S	2	Screw, hex. flange M6x1.0x30
8	24 050 02–S		Filter, fuel
9	24 100 01–S	2	Nut, plastic
10	24 393 16–S		Pump, fuel – pulse
11	24 086 12–S	2	Screw, hex. cap M6x1.7x 18
12	24 353 02–S		Line, fuel 15–1/2”
13	M–650012–S		Screw, hex. flange M6x1.0x10
14	24 154 03–S		Clip, cable

Ref. No.	Part No.	Qty.	Description
*15	24 757 01–S		Kit, solenoid (Includes 16–23)
*16	24 521 01-S		solenoid seat
*17	24 153 04-S		O-Ring
*18	24 153 05-S		O-Ring
*19	24 153 06-S		O-Ring
*20	24 086 07–S		solenoid screw
*21	24 435 01-S		solenoid
*22	24 757 02-S		Kit, float
*23	24 757 03-S		Kit, carburetor repair (Includes 24–33)
*24	24 154 01-S		inlet needle valve clip
*25	24 462 01-S		inlet needle valve
*26	24 086 09-S		carburetor body screw
*27	24 041 09-S		carburetor body gasket
*28	24 153 02-S		O-Ring
*29	24 153 04-S		O-Ring
*30	24 153 05-S		O-Ring
*31	24 153 06-S		O-Ring
*32	24 368 01-S		idle needle
*33	24 089 11-S		idle needle spring

PROTOTYPE

Obtain Parts from Kohler
* Not Illustrated



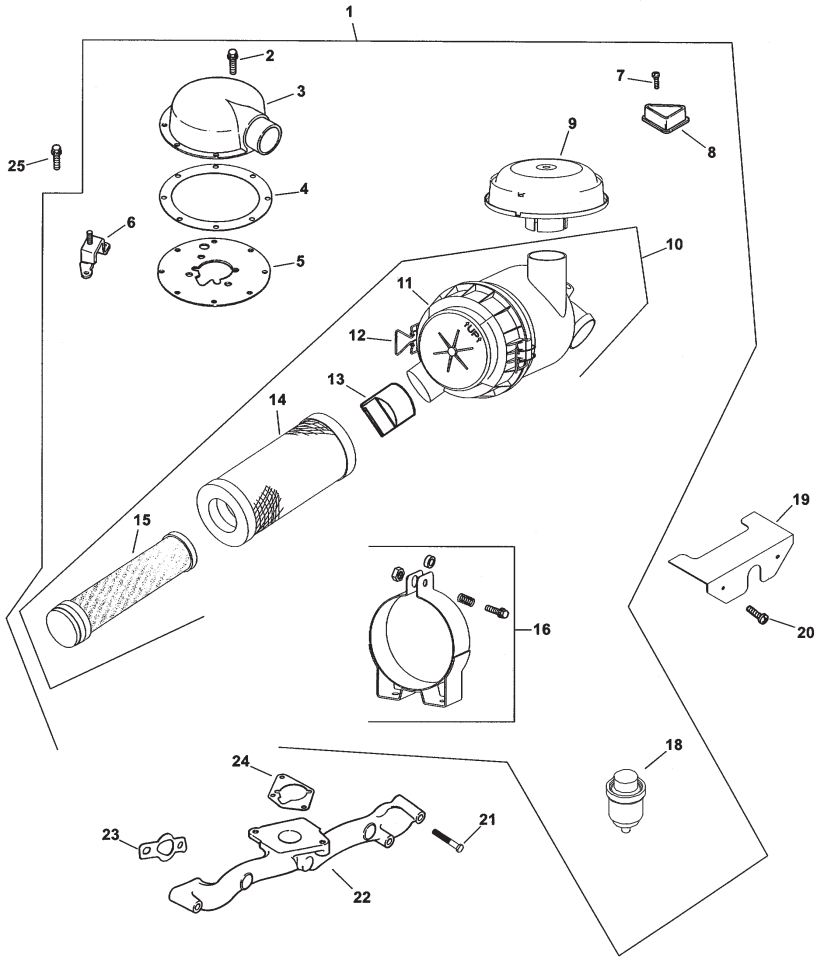
Engine Controls (Kohler CH20S PS64644)

Ref. No.	Part No.	Qty.	Description
1	M-547050–S		Nut, hex. lock M5x0.8
2	24 089 03–S		Spring, choke return
3	M-645016–S	4	Screw, hex. flange M6x1.0x16
4	24 126 56–S		Bracket, control
5	24 468 01–S	3	Washer, plain 5.5 mm
6	24 090 07–S		Lever, throttle actuator
7	12 237 01–S	2	Clamp, cable
8	M-545016–S	3	Screw hex. flange M5x0.8x16
9	24 090 03–S		Lever, throttle control
10	M-446030–S		Nut, hex. M4x0.7
11	M-401030–S		Screw, hex. cap M4x0.7x30
12	24 079 02–S		Linkage, choke
13	24 090 05–S		Lever, choke
14	41 468 03–S		Washer, spring 1/4
15	M-545020–S		Screw, hex. flange M5x0.8x20
16	24 089 15–S		Spring, governor
17	M-642025–S		Screw, hex. flange M6x1.0x25
18	24 090 14–S		Lever, governor
19	M-641060–S		Nut, hex. flange M6x1.0
20	24 089 01–S		Spring, linkage

Ref. No.	Part No.	Qty.	Description
21	25 158 08–S		Bushing, linkage retaining
22	24 079 01–S		Linkage, throttle
23	25 158 11–S		Bushing, linkage retaining
24	24 089 51–S		Spring, throttle limiter

PROTOTYPE

Obtain Parts from Kohler



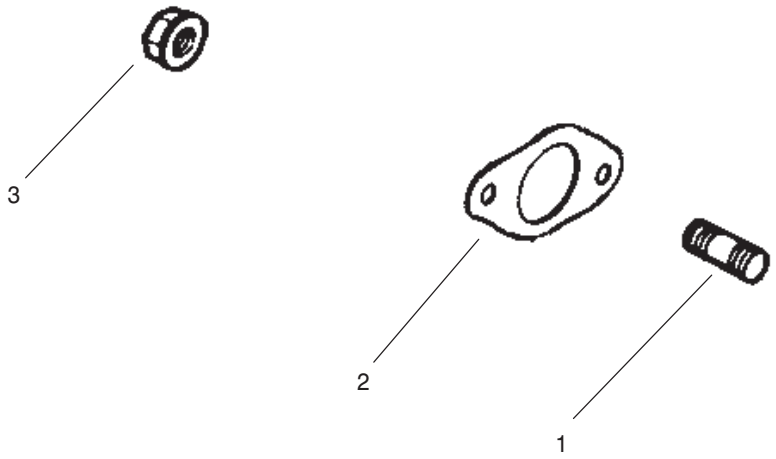
Air Intake / Filtration (Kohler CH20S PS64644)

Ref. No.	Part No.	Qty.	Description
1	24 743 26–S		Kit, heavy duty air cleaner (Includes: 2–18 & 24 853 77-S)
2	M-645016–S		Screw, hex. flange M6xx1.0x16
3	24 029 28–S		Adapter, air intake
4	24 041 38–S		Gasket, air cleaner adapter
5	24 029 35–S		Plate, adapter
6	24 126 21–S		Bracket, air cleaner base
7	X–67–3–S	2	Screw, slotted hex. head
8	24 096 17–S	2	Cover, blower housing
9	25 324 02–S		Hood, air cleaner (5–1/4”)
10	25 048 07–S		Cleaner assembly, air (incl. 11–15)
11	25 096 06–S		Cover assembly
12	25 154 05–S	2	Clip
13	24 462 07–S		Vavle, dust ejector
14	25 083 01–S		Element, air filter –primary
15	25 083 04–S		Element, air filter –safety

Ref. No.	Part No.	Qty.	Description
16	25 126 02–S		Bracket assembly, air cleaner
18	25 755 24–S		Air filter gauge
19	24 314 25–S		Shield, debris
20	24 086 06–S	2	Screw, phillips head 11–16x3/4”
21	M-651055–S	4	Screw, hex. flange M6x1.0x55
22	24 164 14–S		Manifold, intake
23	24 041 01–S	2	Gasket, intake manifold
24	24 041 06–S		Gasket, air cleaner base
25	M-639016–S	3	Screw, hex. flange M6x1.0x16
*26	24 853 77–S		Kit, carburetor with gaskets
*27	25 113 27–S		Decal, air cleaner

PROTOTYPE

Obtain Parts from Kohler
* Not Illustrated



Exhaust (Kohler CH20S PS64644)

Ref. No.	Part No.	Qty.	Description
1	25 072 04–S	4	Stud, exhaust manifold M8x1.25x33
2	24 041 02–S	2	Gasket, exhaust
3	M-841080–S	4	Nut, muffler mounting M8x1.25
*4	24 782 04		Miniblock
*5	24 755 23–S		Gasket Set

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

Obtain Parts from Kohler
* Not Illustrated

Maintenance Record

Date								

PROTOTYPE

Maintenance Record

Date								



PROTOTYPE