Form No. 3324–939

TORO®

Z Master® Z355

with Mower and Bagger

Model No. 74189 – 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.

© The TORO Company — 2000
All Rights Reserved

Contents

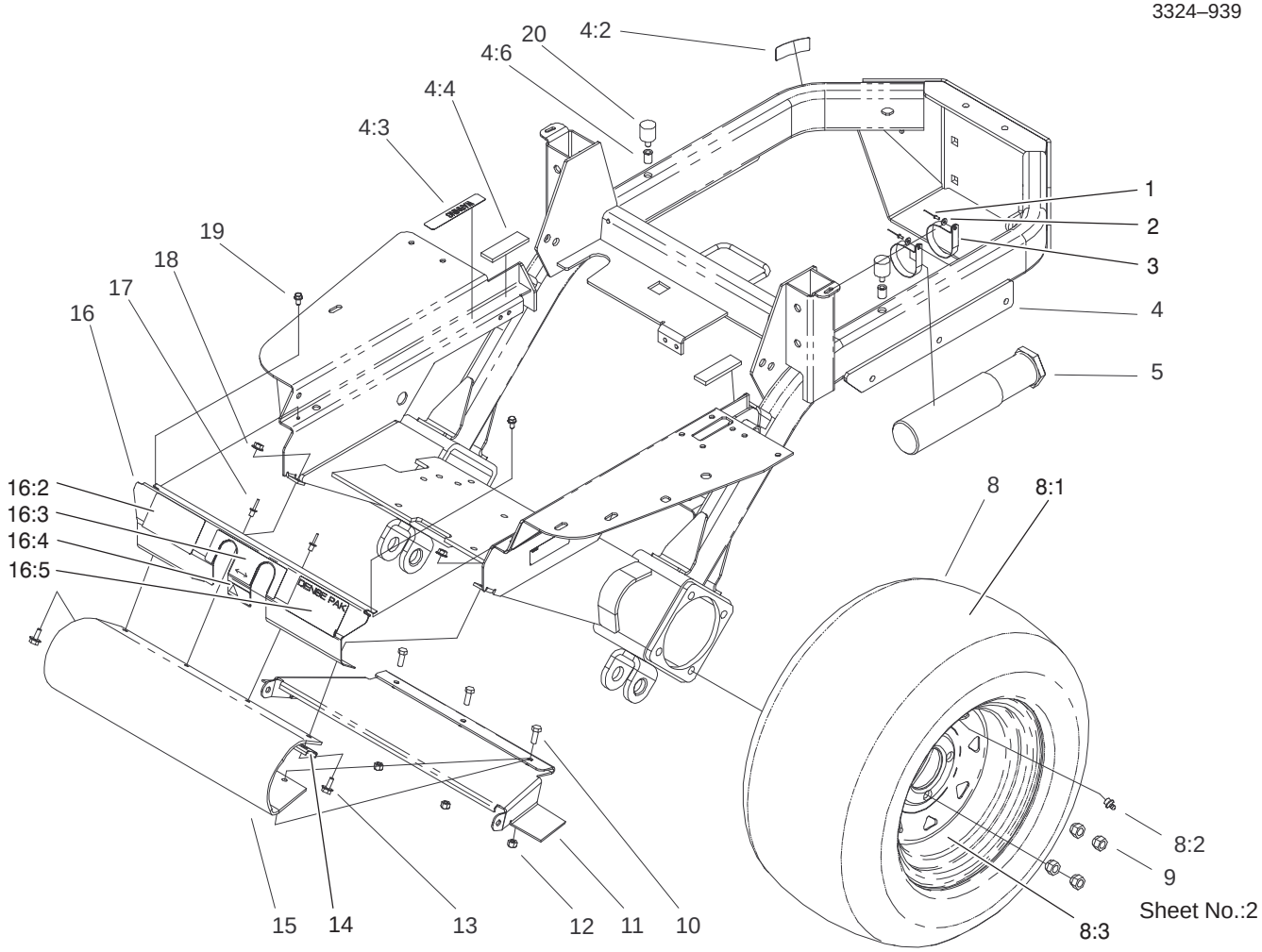
Description	Page
Traction Frame Assembly	3
Tail Wheel and Bumper Assembly	4
Engine and Fuel Assembly	5
Rear Hydraulic Assembly	6
Front Hydraulic Assembly	7
Front Electrical Assembly	8
Rear Electrical Assembly	9
Parking Brake Assembly	10
Steering Control Assembly	11
Seat Assembly	12
Exhaust Assembly	13
PTO and Hydro Drive Assembly	14
Traction Unit Gearbox Assembly No. 104–2433	15
Drive Shaft Assembly No. 94–4722	16
Carrier Frame Assembly	17
Deck Assembly	19
Plenum Assembly	20
Blower Assembly	21
Air Cleaner and Bagger Frame Assembly	22
Bagger Assembly	23
Gearbox Kit Assembly	24
Gearbox Assembly	25
Pinion Assembly No. 100–7755	26
Lefthand Shaft Service Assembly No. 100–7754	27
Righthand Shaft Service Assembly No. 104–2427	28
Electric Schematic	29
Hydraulic Schematic	30
Crankshaft (Kohler CH25S PS68656)	31
Crankcase (Kohler CH25S PS68656)	32
Oil Pan / Lubrication (Kohler CH25S PS68656)	33
Head / Valve / Breather (Kohler CH25S PS68656)	34
Ignition / Electrical (Kohler CH25S PS68656)	35
Blower Housing & Baffles (Kohler CH25S PS68656)	36
Starter System (Kohler CH25S PS68656)	37
Fuel System (Kohler CH25S PS68656)	38
Fuel System – Continued (Kohler CH25S PS68656)	39
Engine Controls (Kohler CH25S PS68656)	40
Air Intake / Filtration (Kohler CH25S PS68656)	41
Exhaust (Kohler CH25S PS68656)	42

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

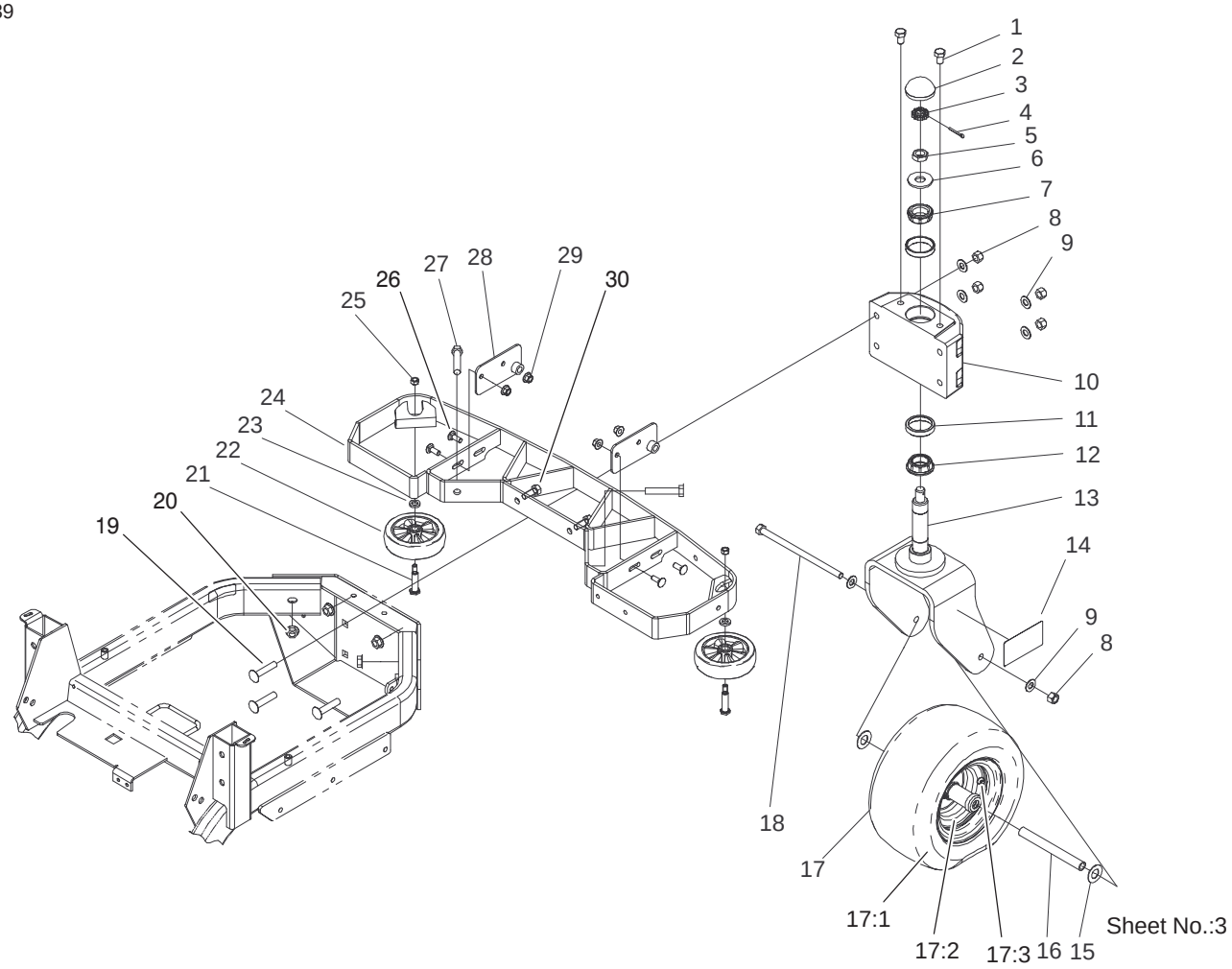


Traction Frame Assembly

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	94–9381	2	Tire And Wheel ASM
8:1	94–9388	1	Tire
8:2	232–27	1	Stem–Valve
8:3	94–9385	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	104–2401	1	Cover Plate ASM w/ Decals
16:2	100–7790	1	Decal – Z355
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



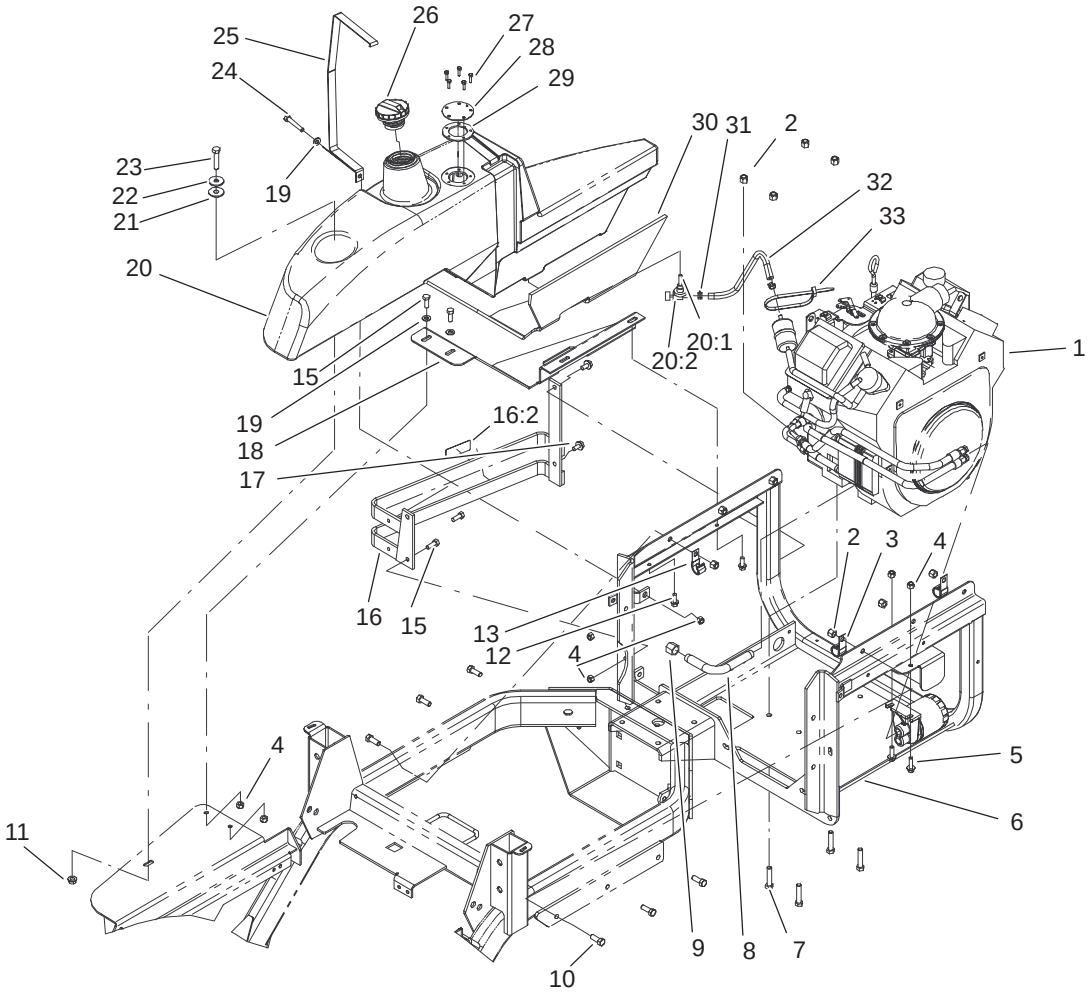
Tail Wheel and Bumper Assembly

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	100–7790	1	Decal – Z355
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



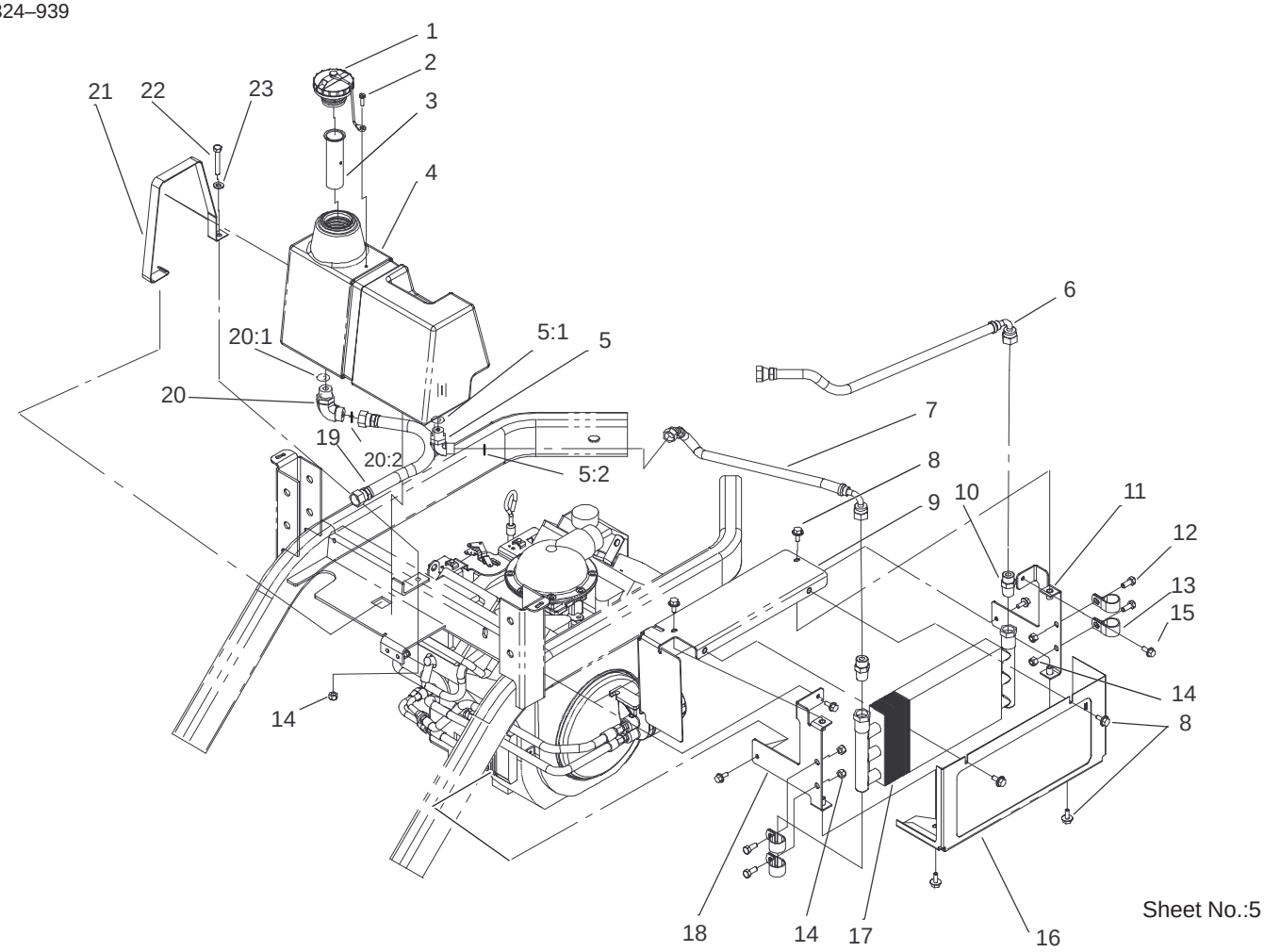
Sheet No.:4

Engine and Fuel Assembly

Ref. No.	Part No.	Qty.	Description
1		1	Engine–Kohler, Ch25s Ps–68656
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

Ref. No.	Part No.	Qty.	Description
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



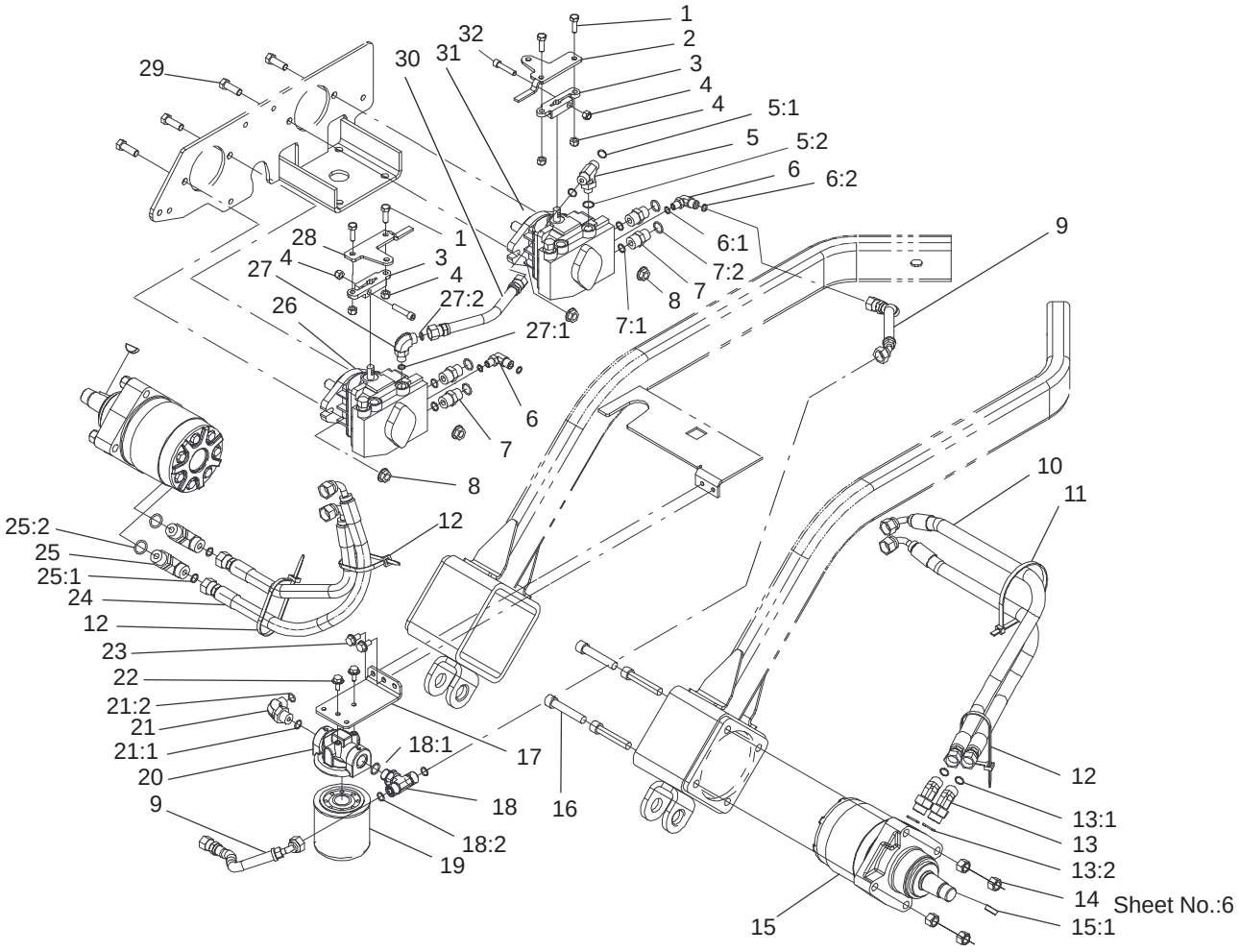
Sheet No.:5

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	98–1970	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

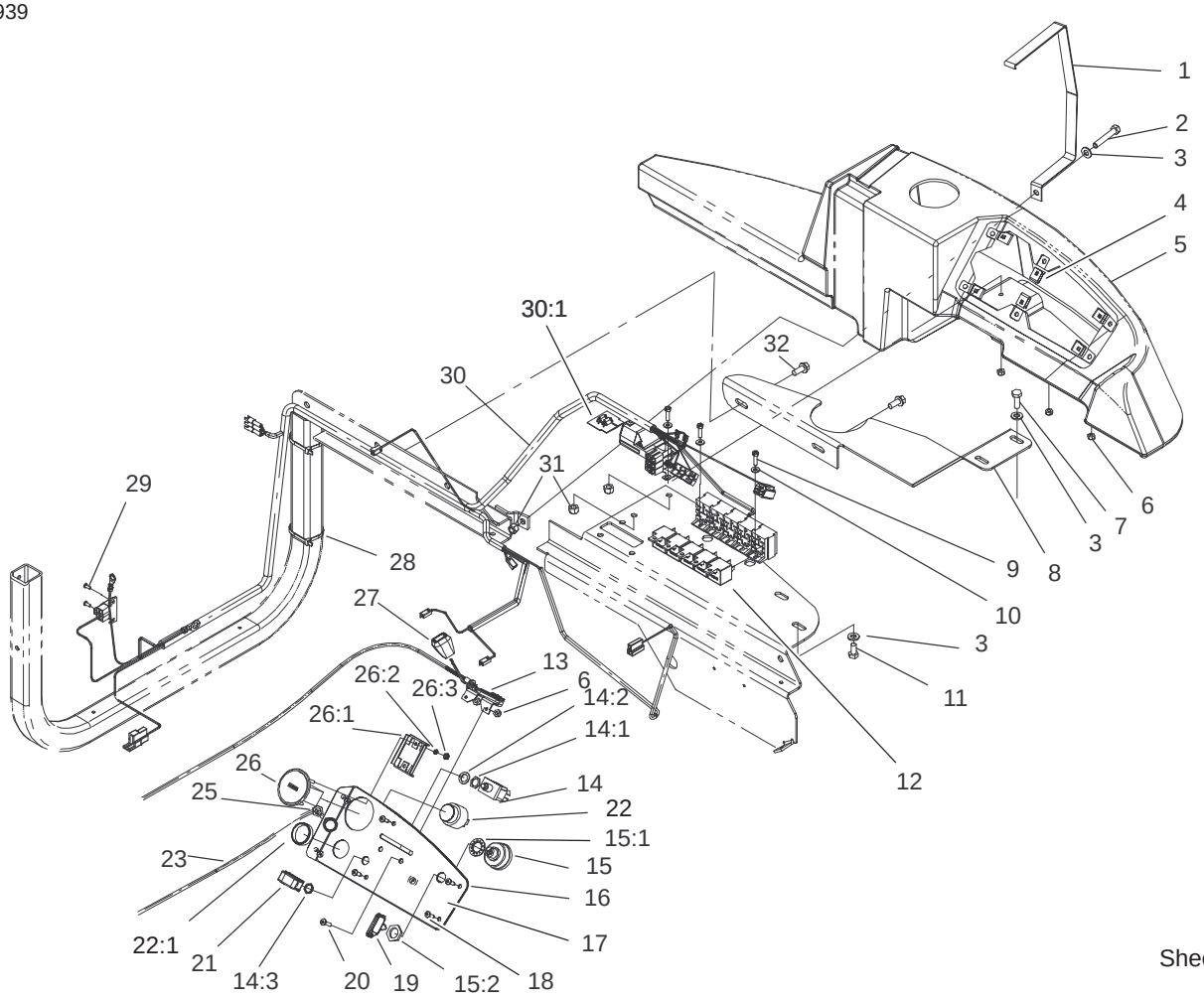


Front Hydraulic Assembly

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



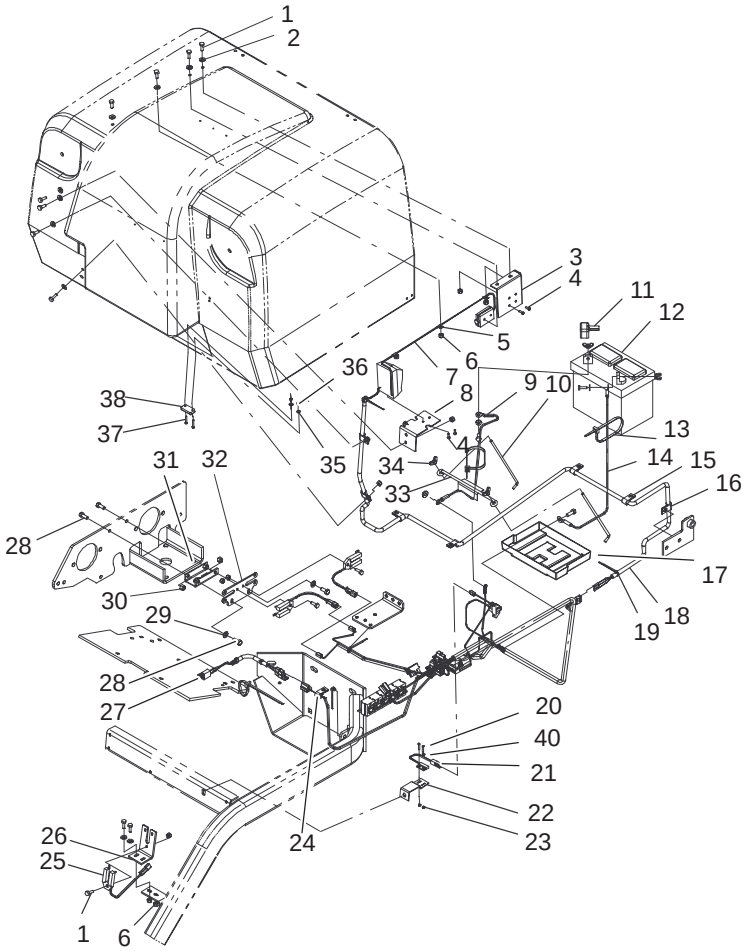
Sheet No.:7

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



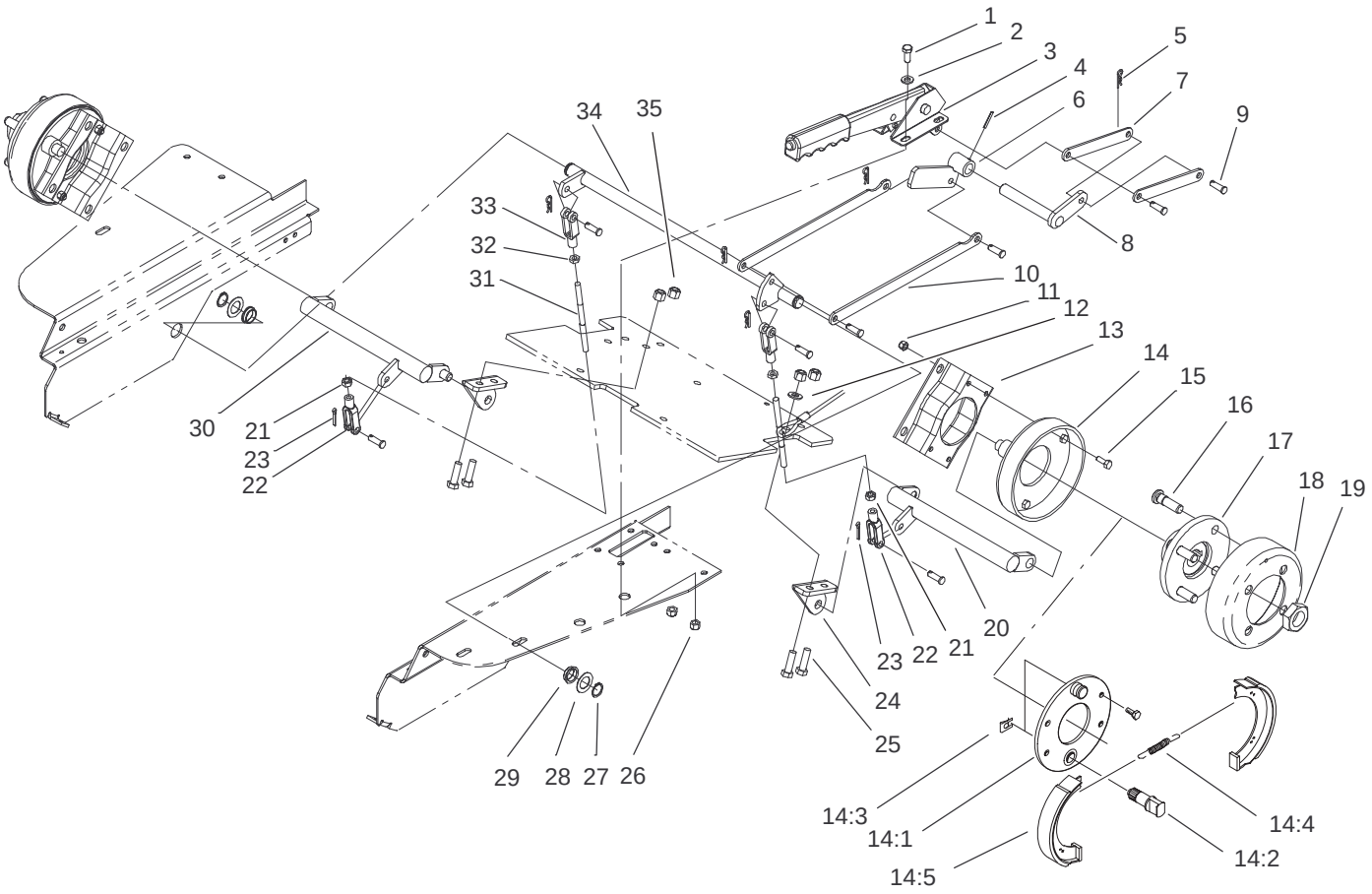
Sheet No.:8

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



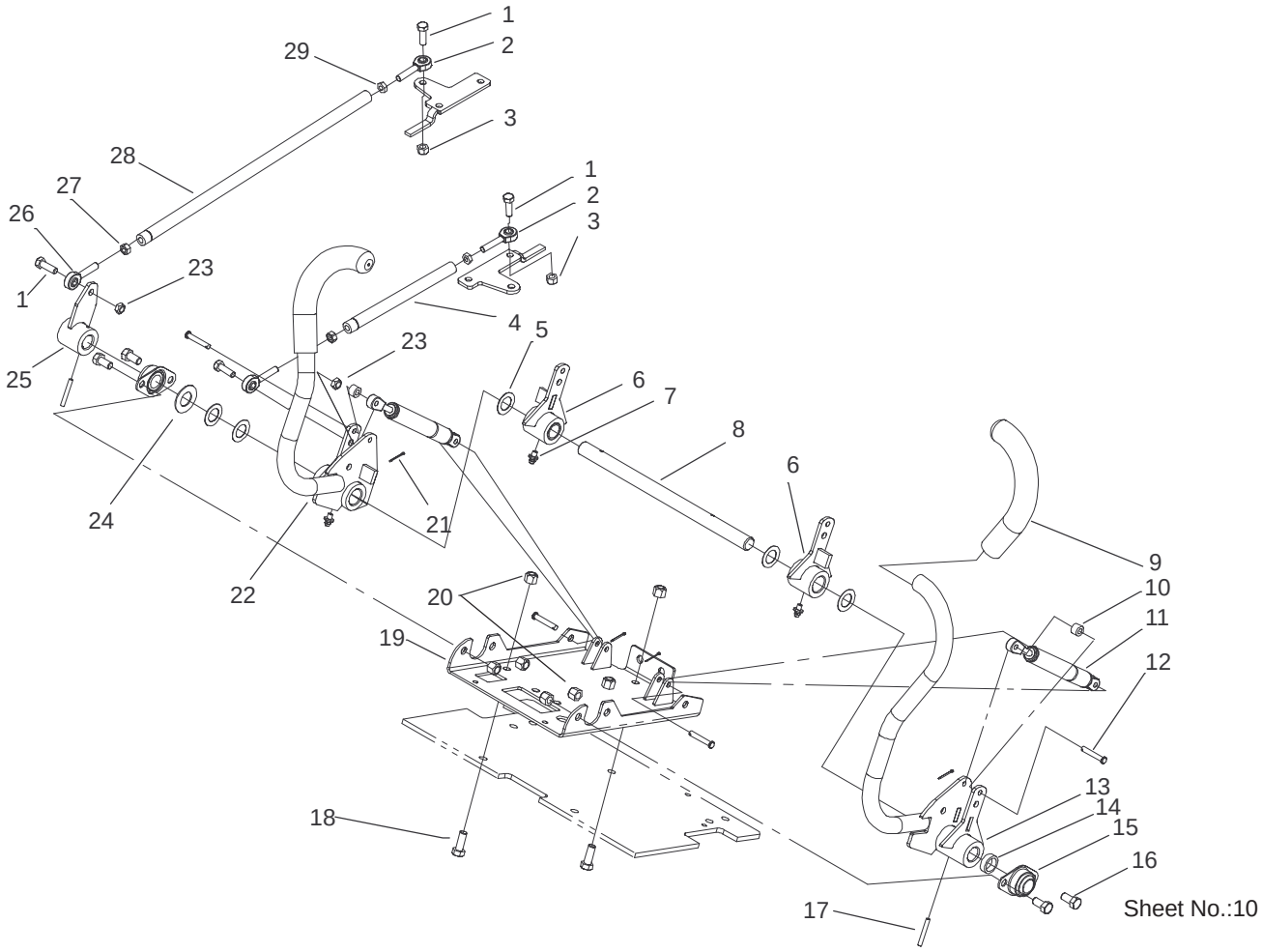
Sheet No.:9

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



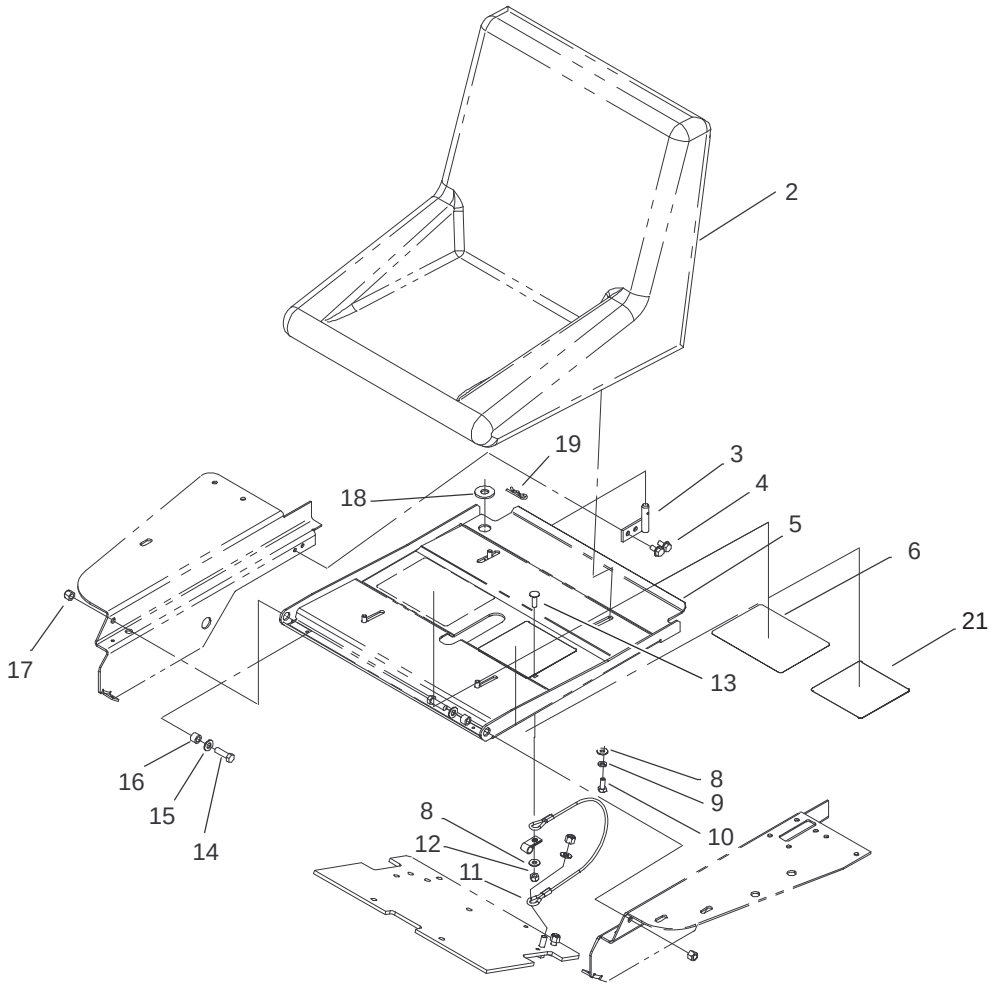
Sheet No.:10

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



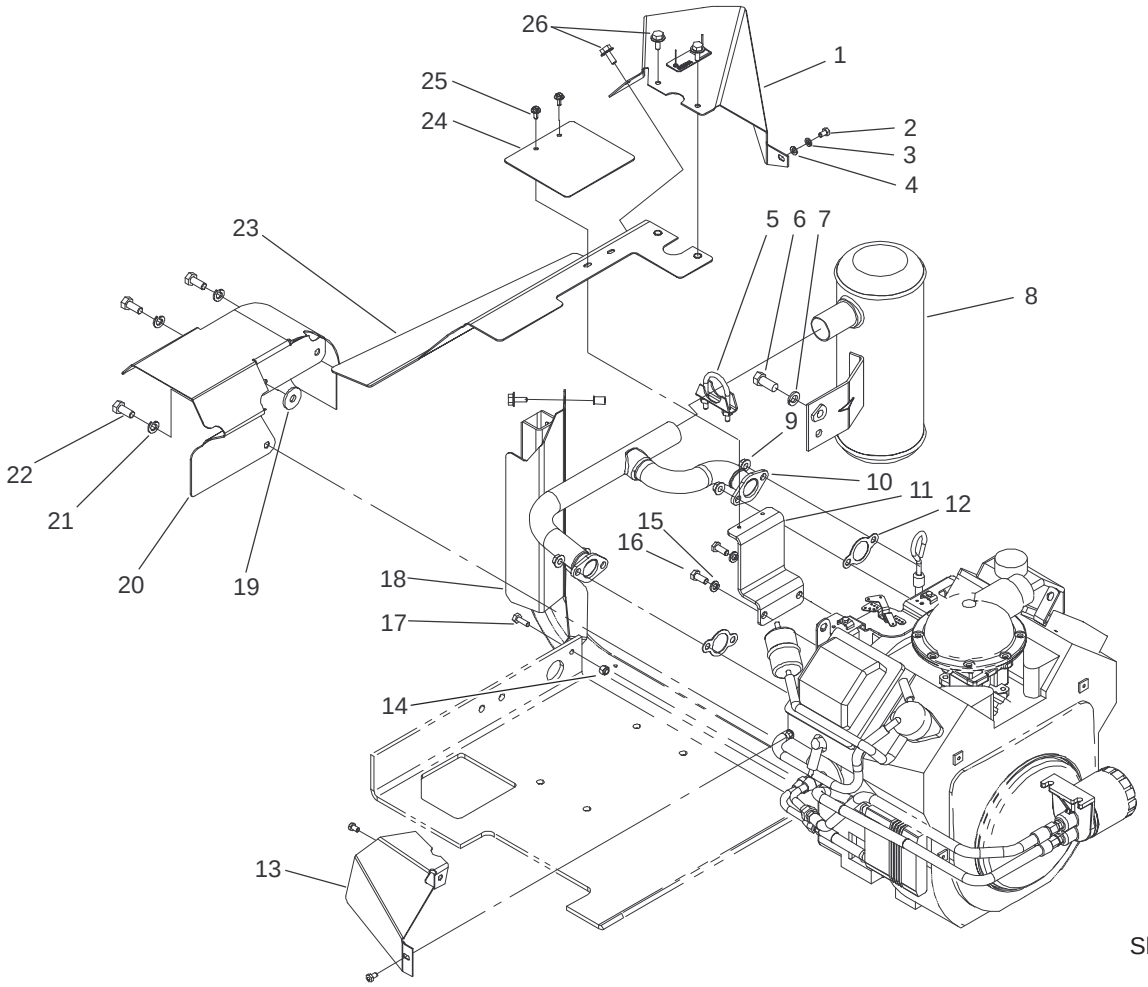
Sheet No.:11

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



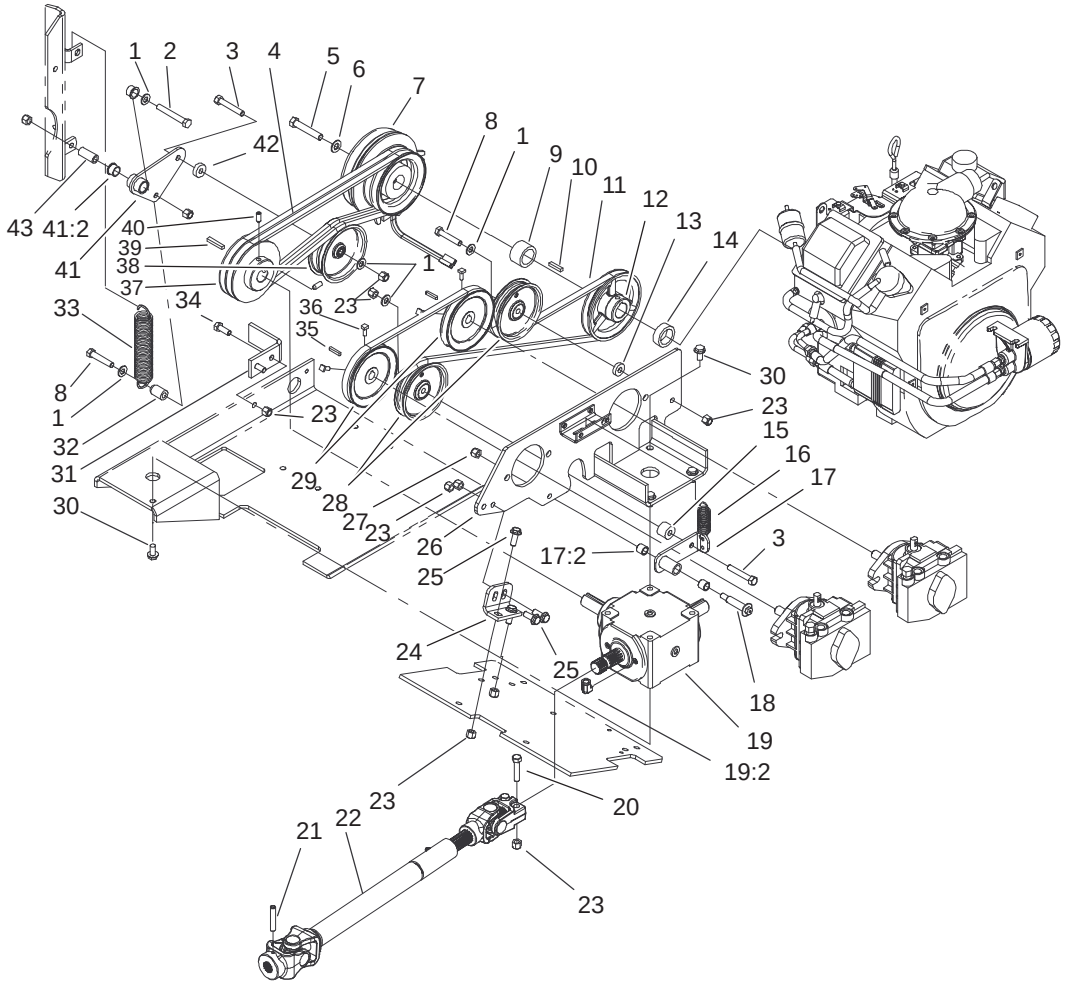
Sheet No.:12

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



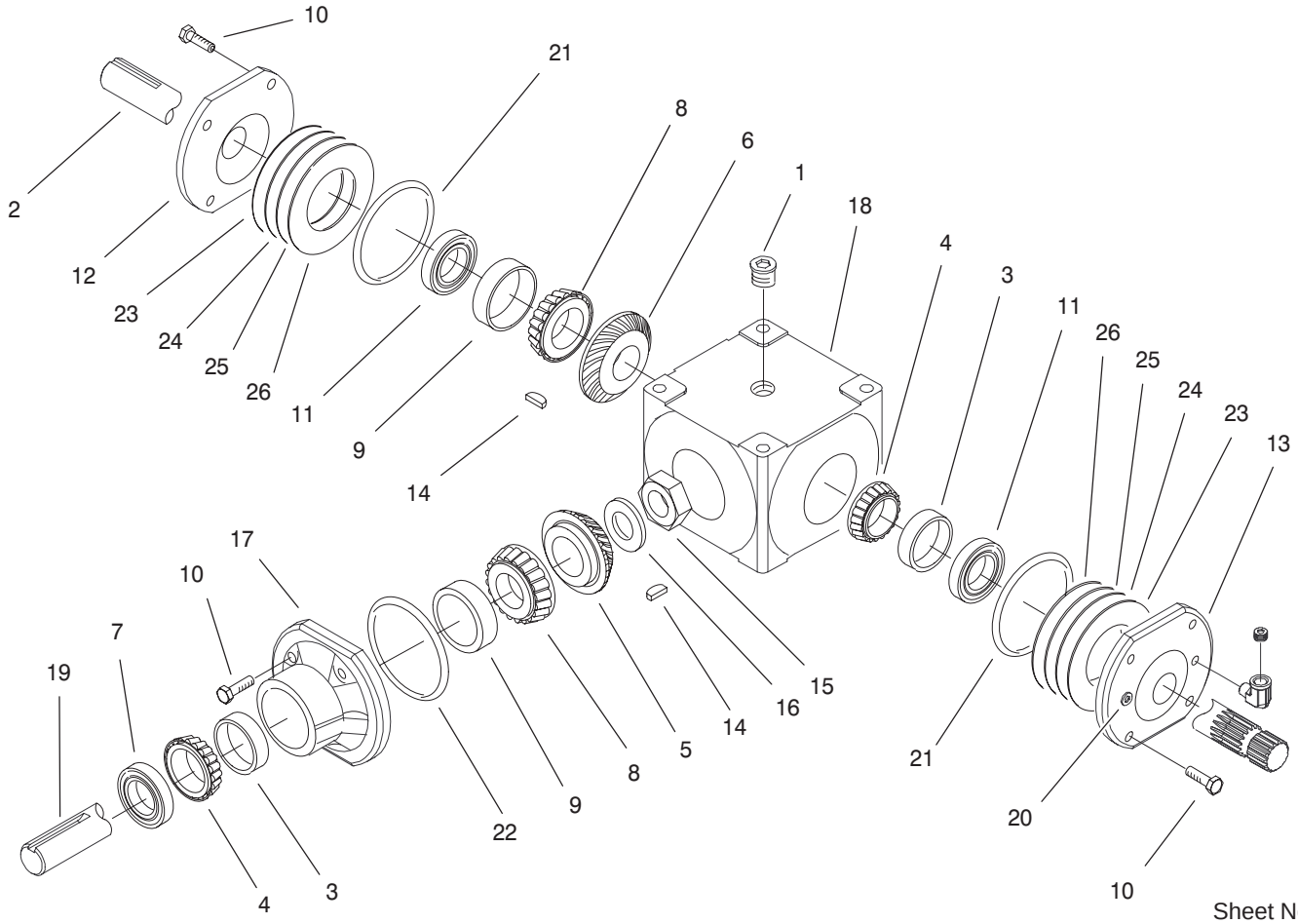
Sheet No.:13

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

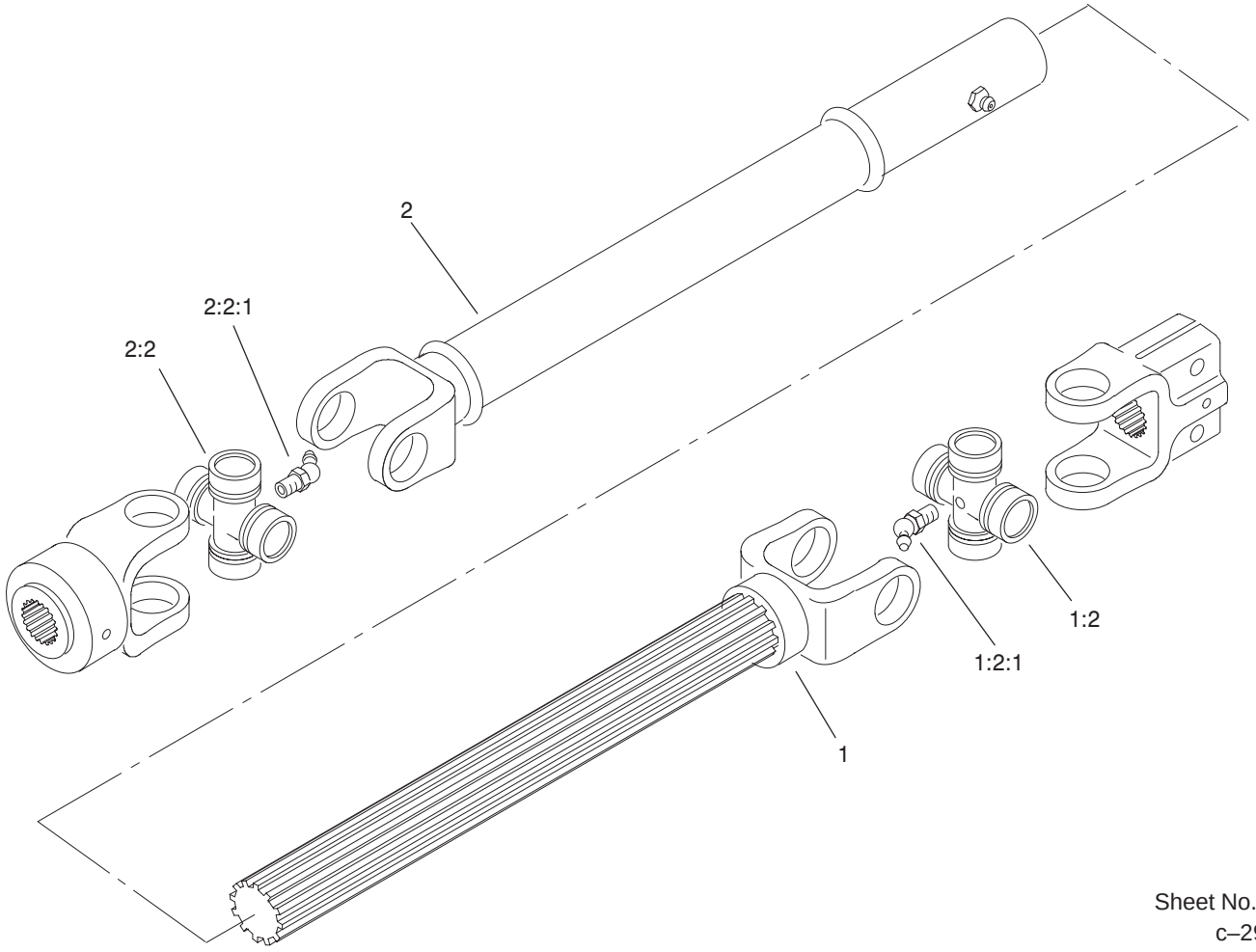


Sheet No.:A1
c–2886

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



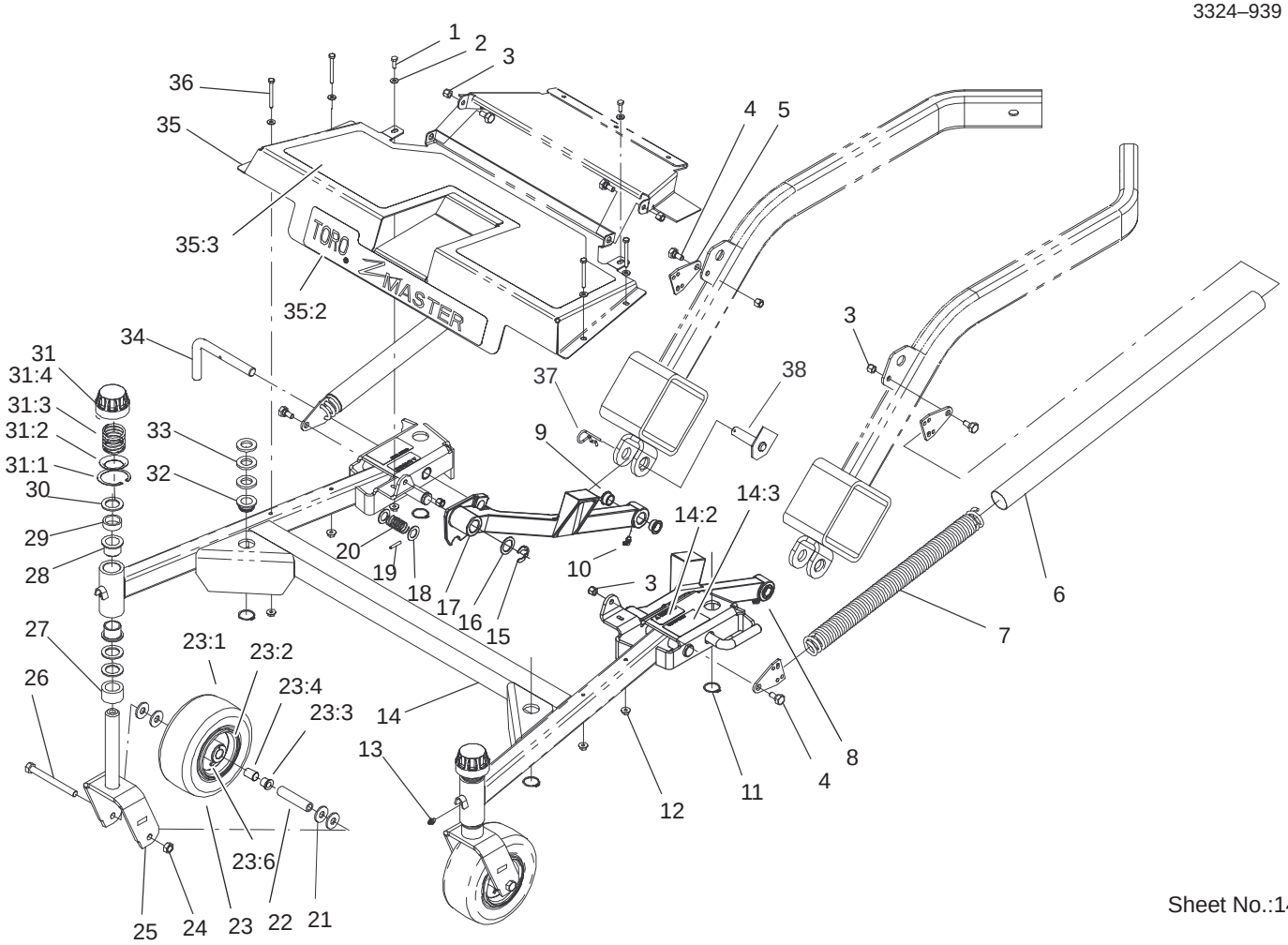
Sheet No.:A2
c–2971

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

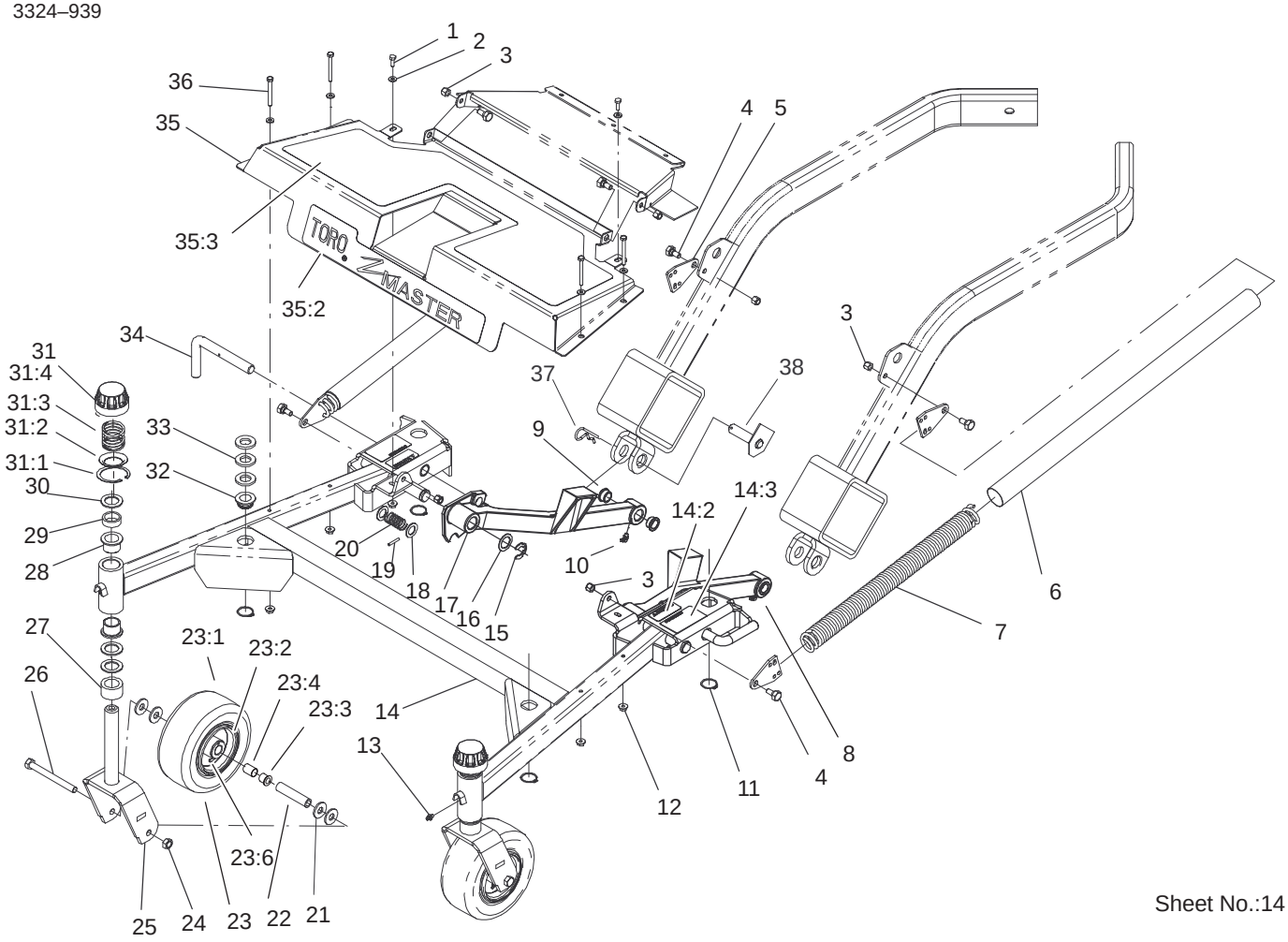
Carrier Frame Assembly

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

* Not illustrated

PROTOTYPE



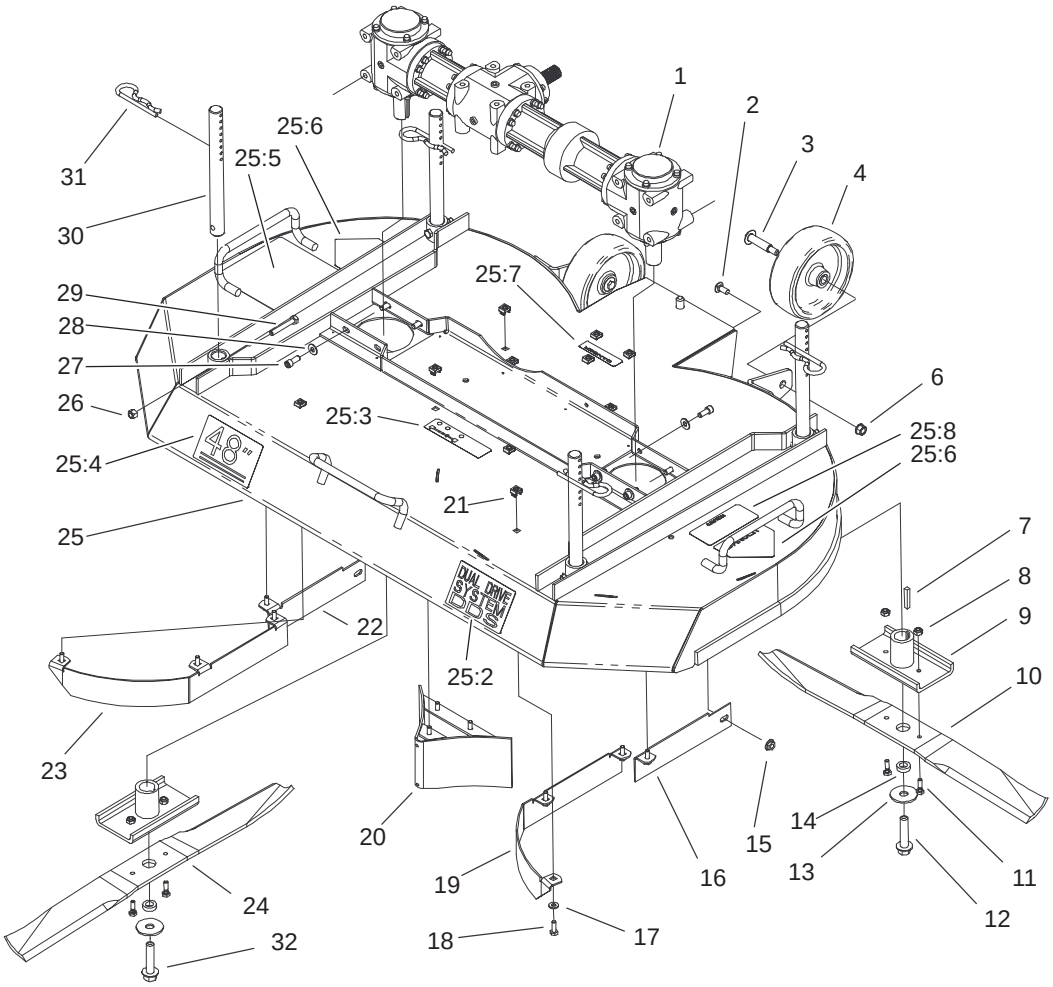
Sheet No.:14

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



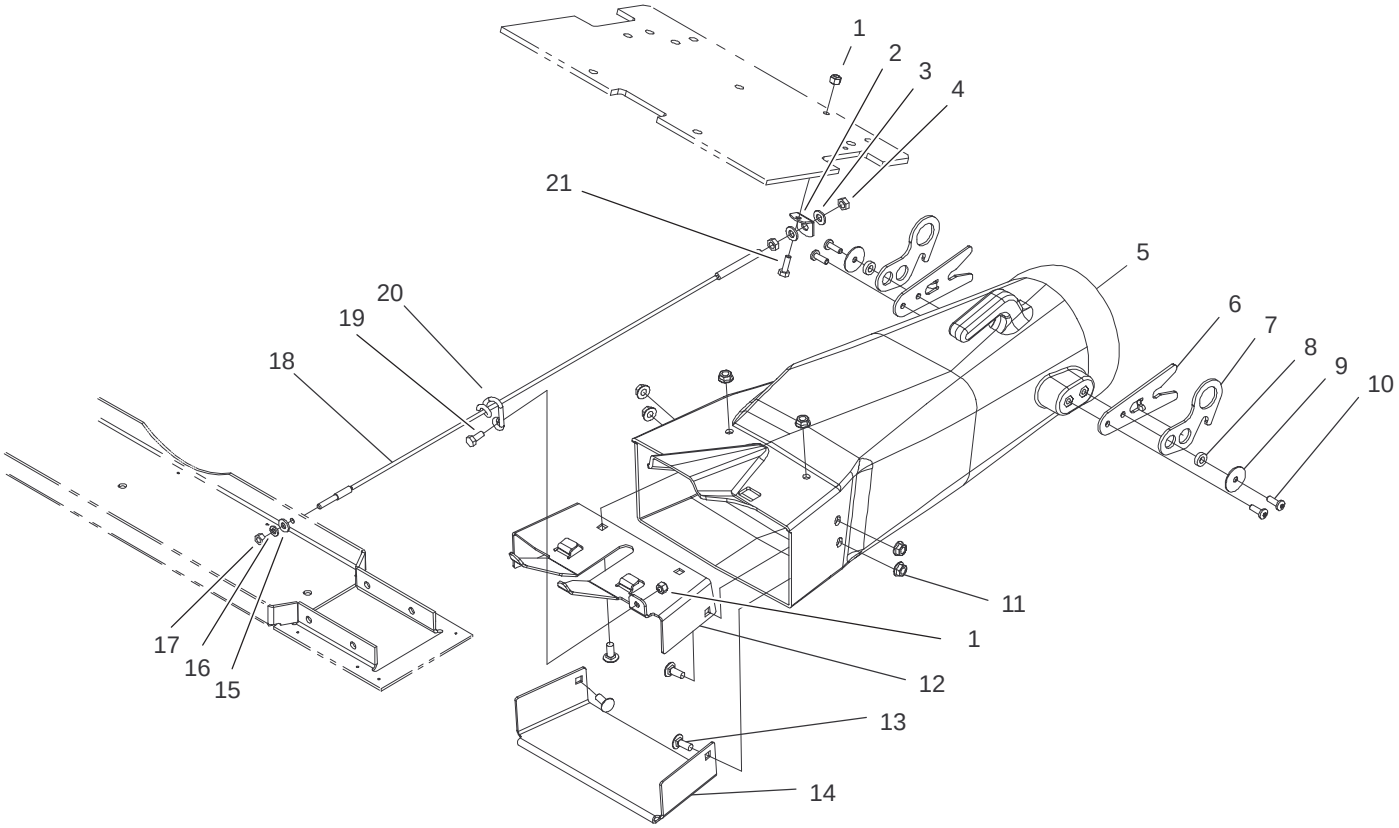
Sheet No.:15

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



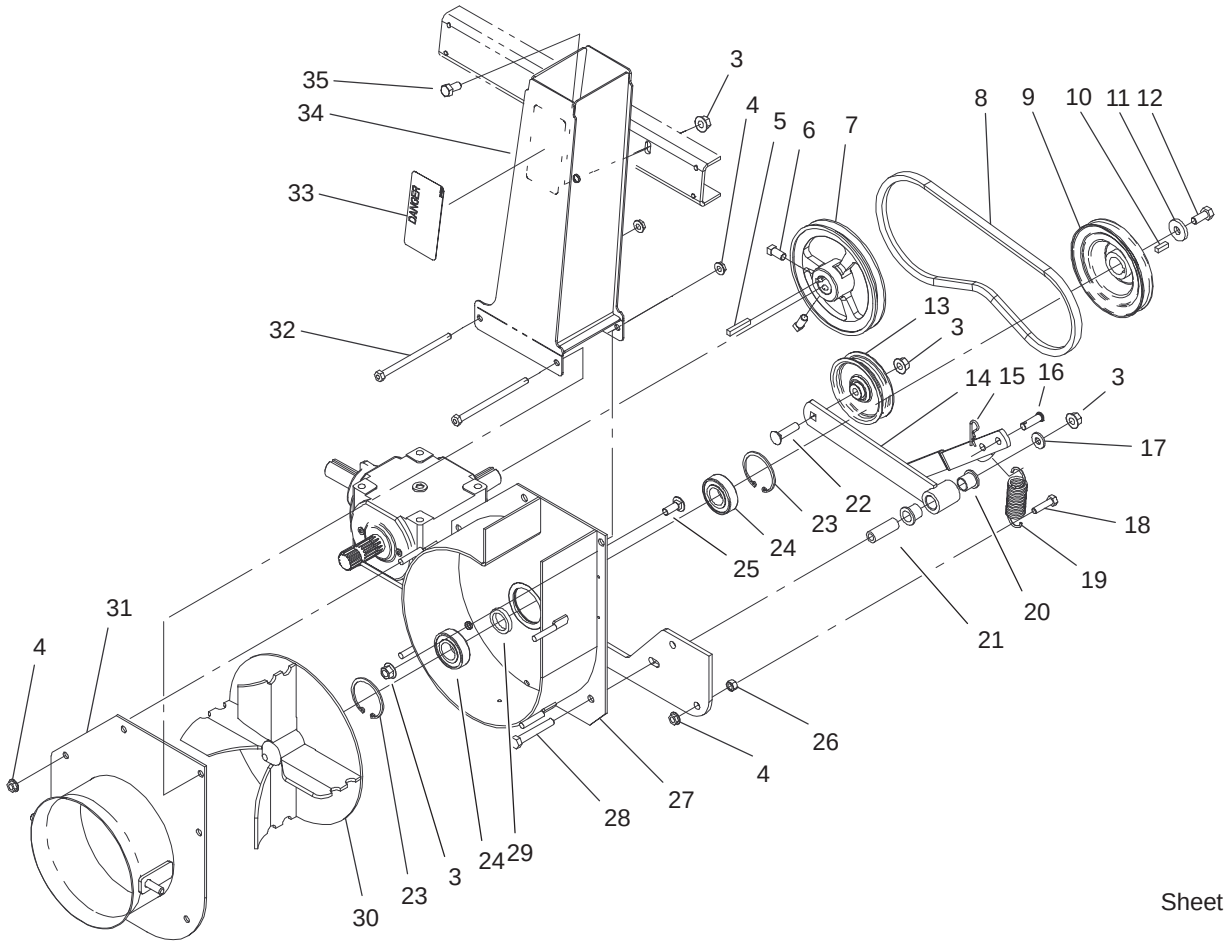
Sheet No.:16

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



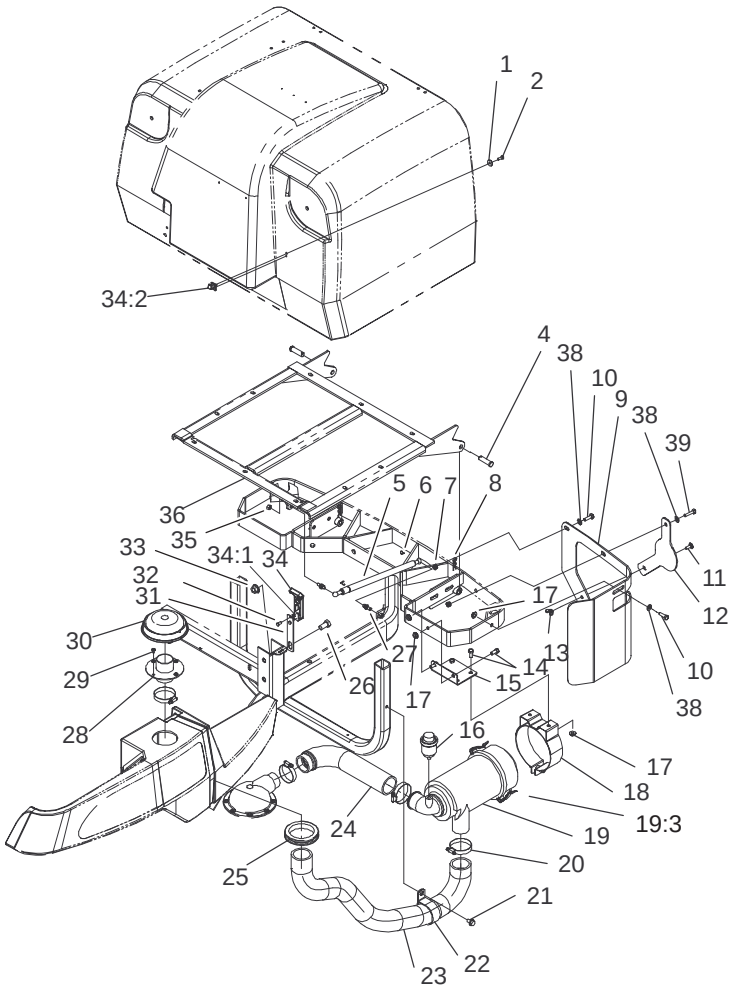
Sheet No.:17

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

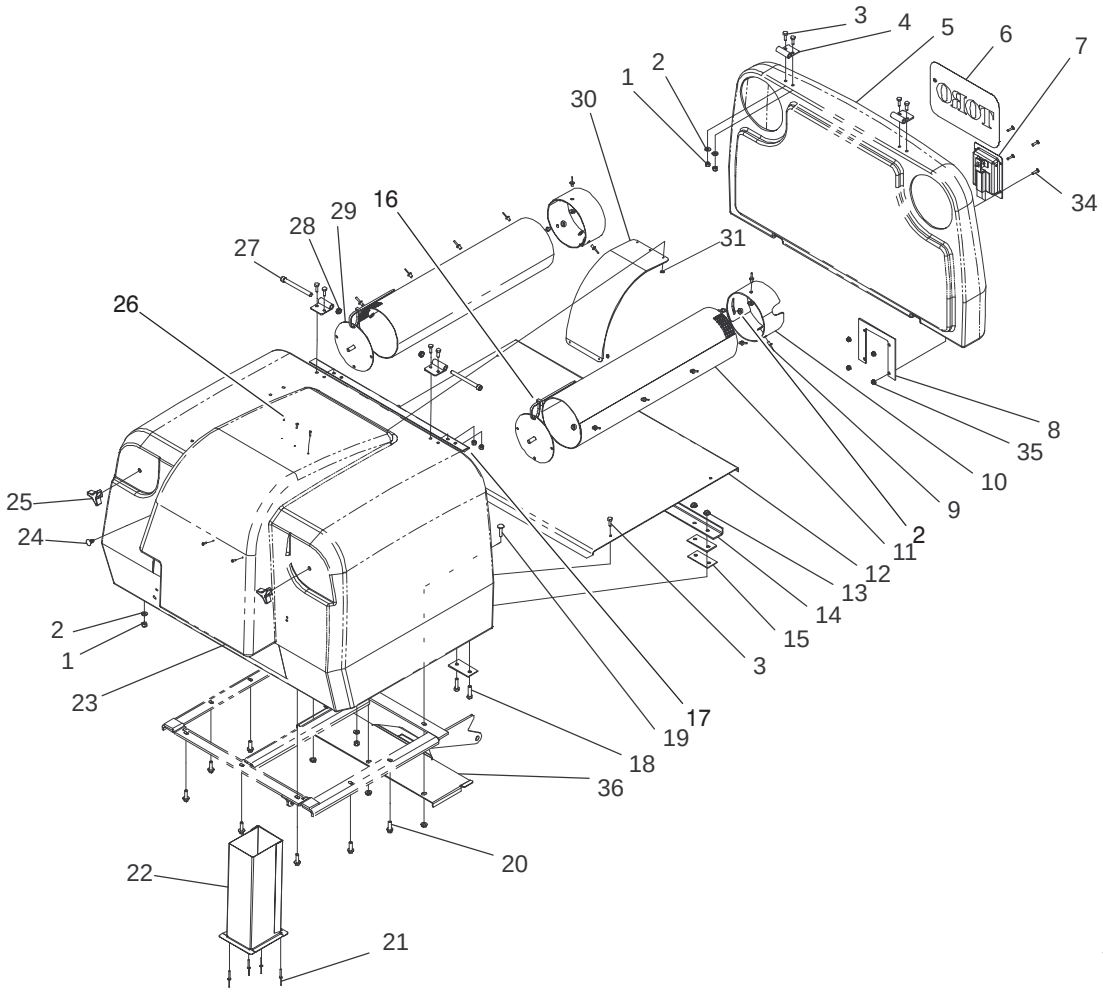
Air Cleaner and Bagger Frame Assembly

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



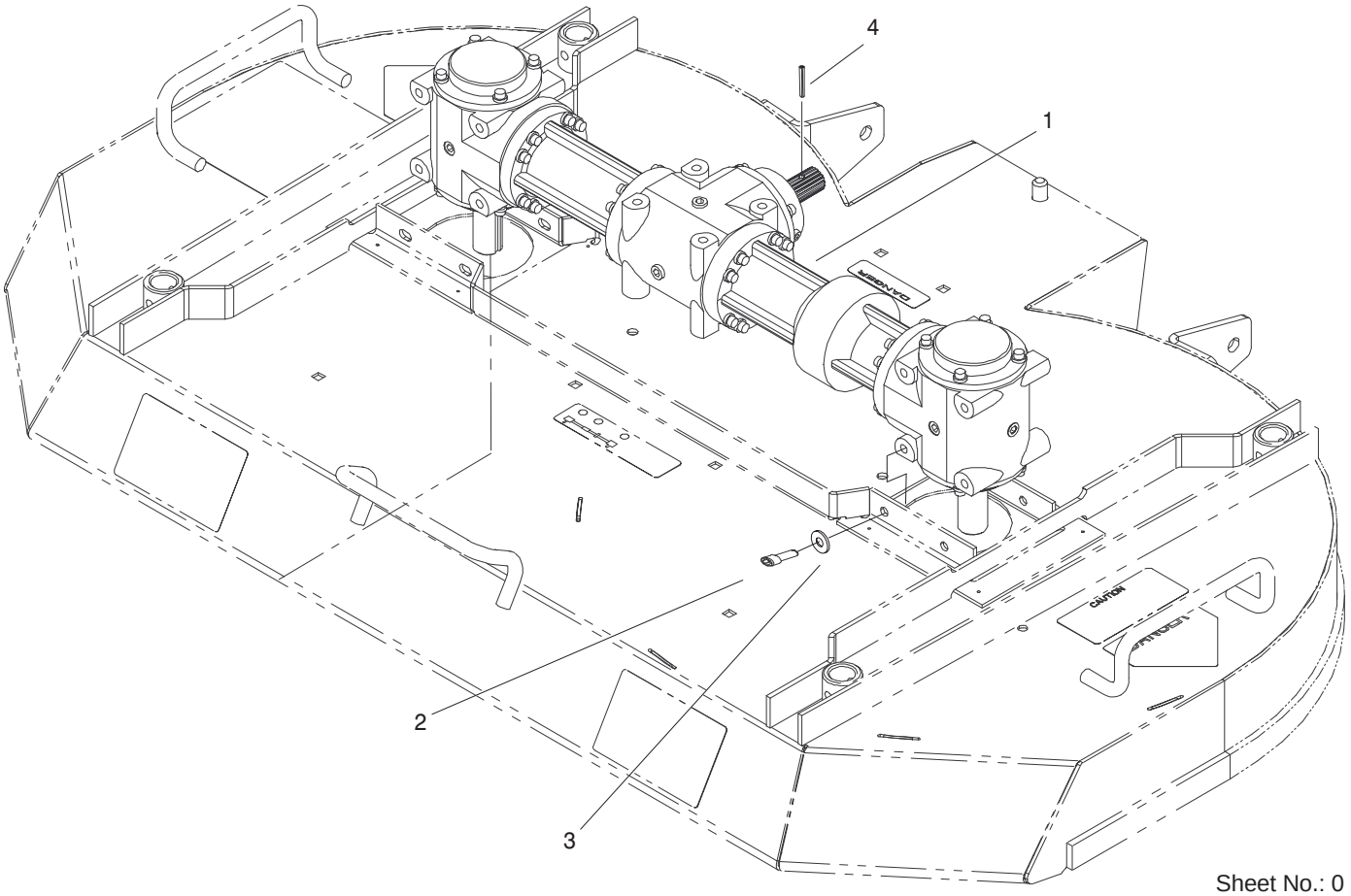
Sheet No.:19

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



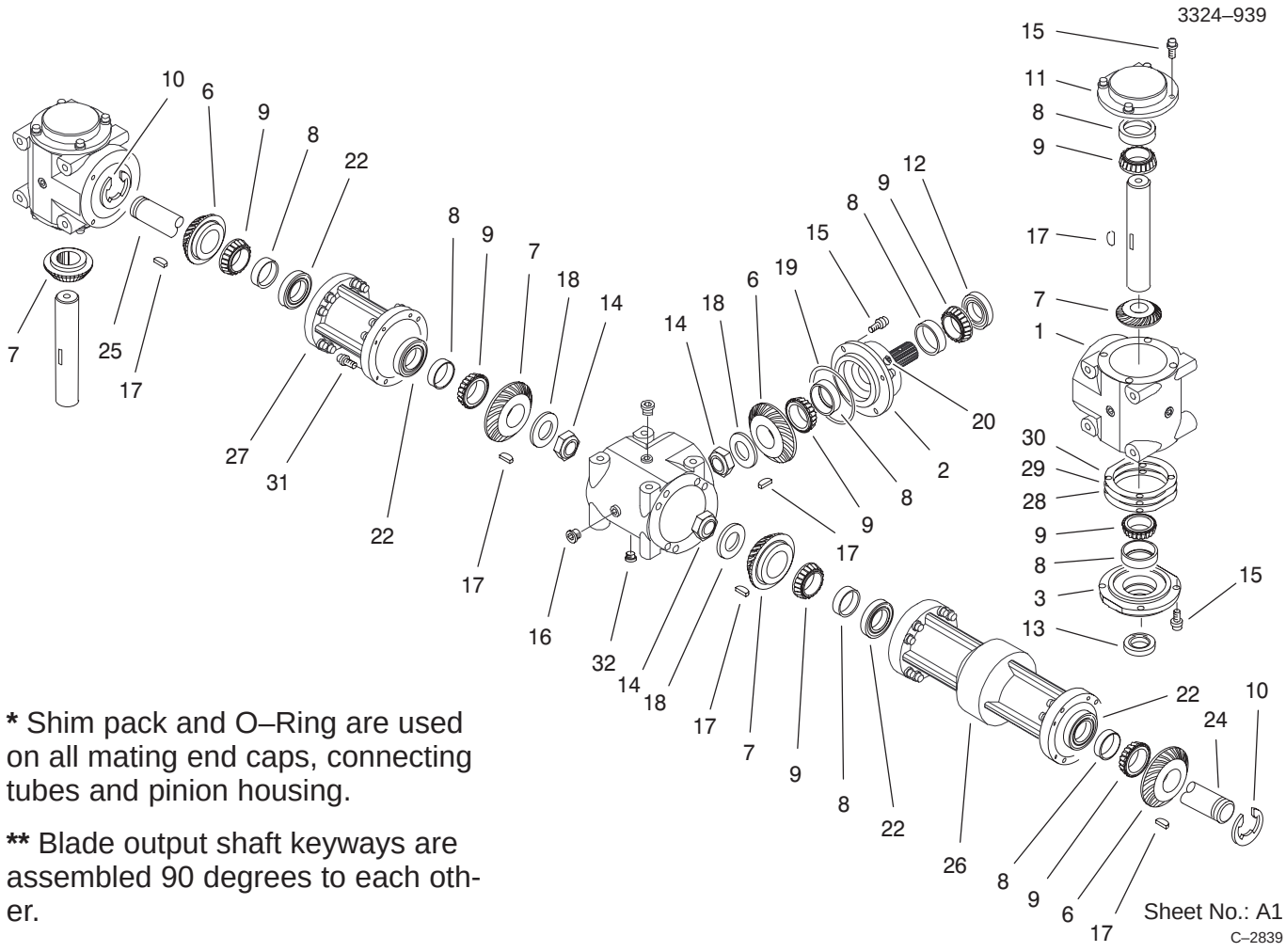
Sheet No.: 0
C–2840

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.

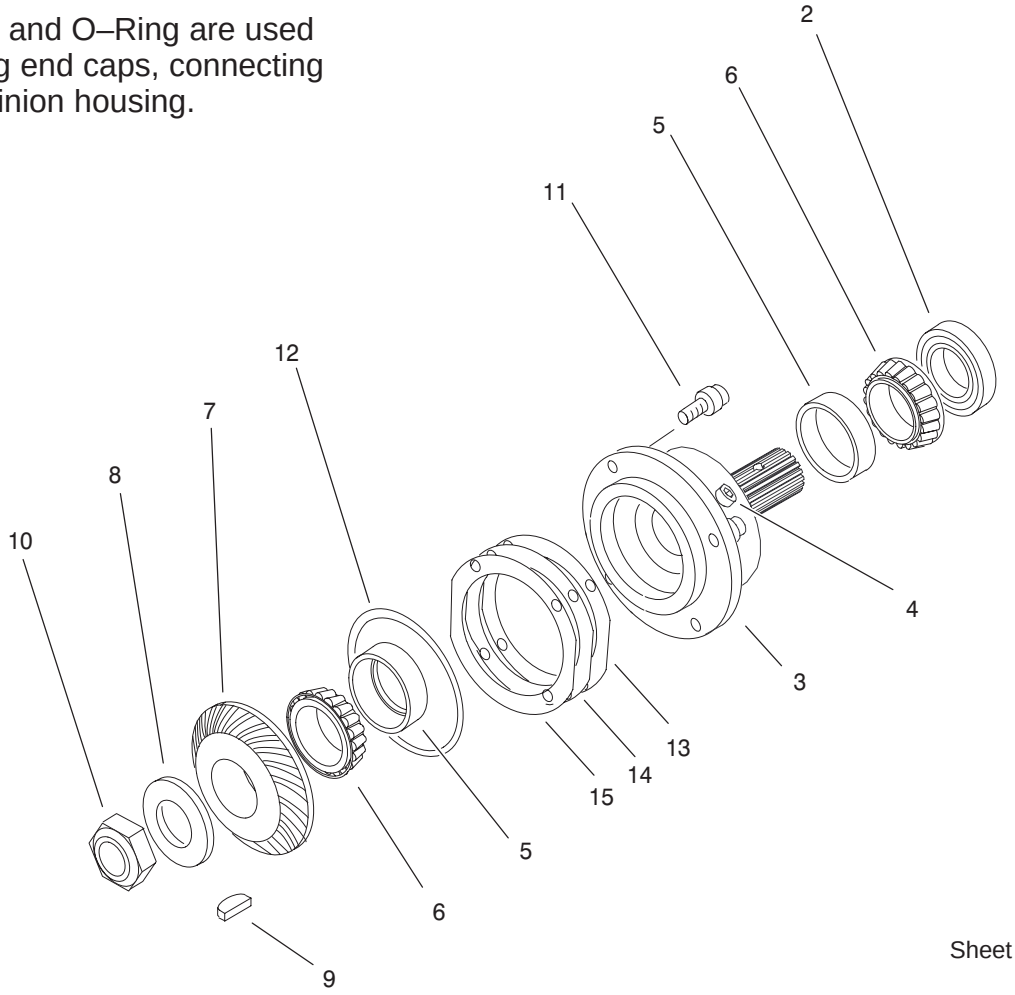
Gearbox Assembly

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

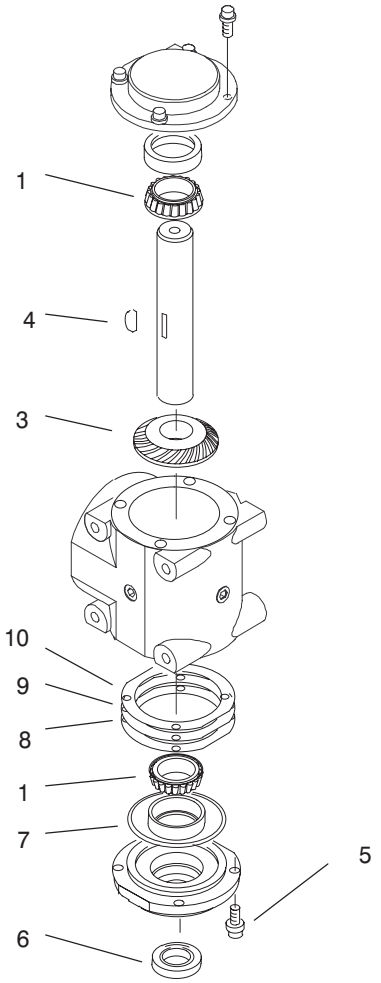
Ref. No.	Part No.	Qty.	Description
2	100–4575	1	Seal
3	100–4565	1	Housing – Pinion
4	100–4583	1	Plug
5	100–4571	2	Cup – Bearing
6	100–4572	2	Cone – Bearing
7	100–4569	1	Gear – 27 Tooth
8	100–4581	1	Washer
9	100–4580	1	Key – Woodruff
10	100–4577	1	Nut – Jam
11	100–4578	4	Screw
12	100–4582	1	O–Ring
13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

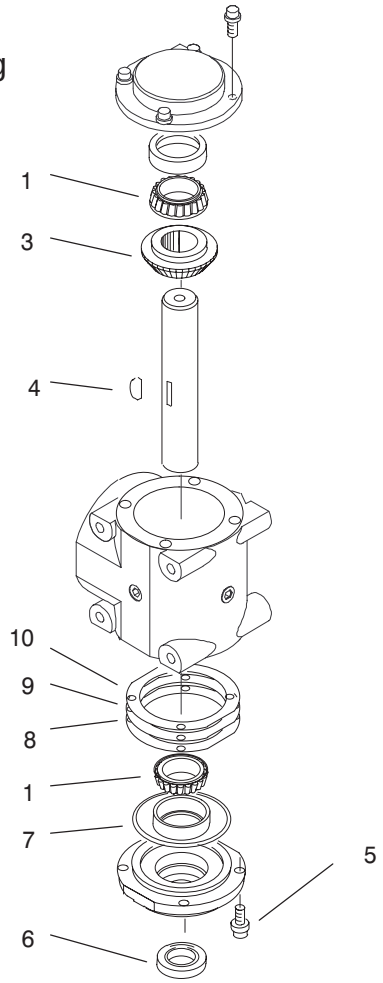
Ref. No.	Part No.	Qty.	Description
1	100–4572	2	Cone – Bearing
3	100–4570	1	Gear – 29 Tooth
4	100–4580	1	Key – Woodruff
5	100–4578	4	Screw
6	100–4576	1	Seal
7	100–4582	1	O–Ring
8	100–4591	2	Shim – Brown
9	100–4592	1	Shim – Blue
10	100–4593	1	Shim – Green

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

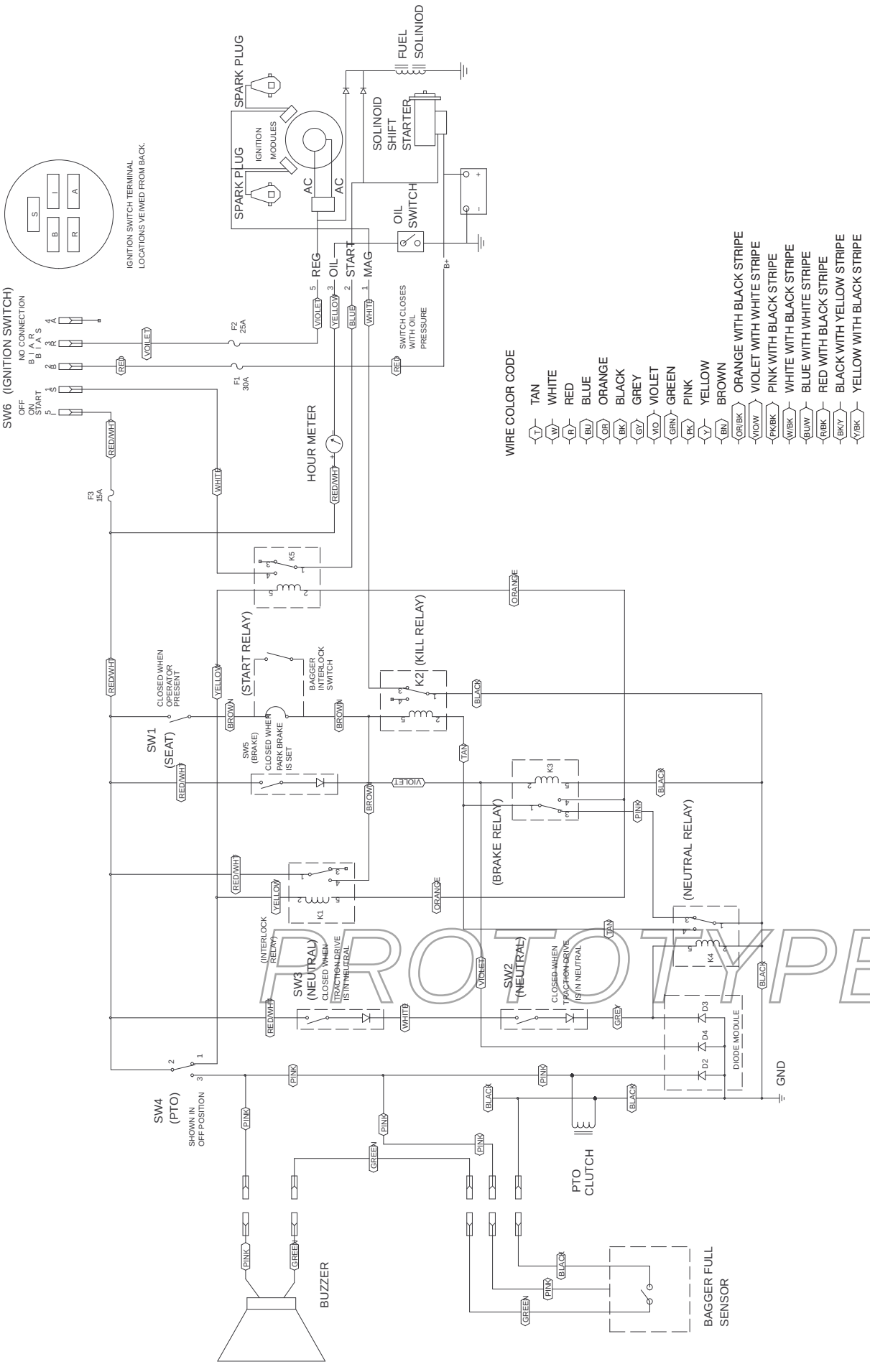
Righthand Shaft Service Assembly No. 104–2427

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

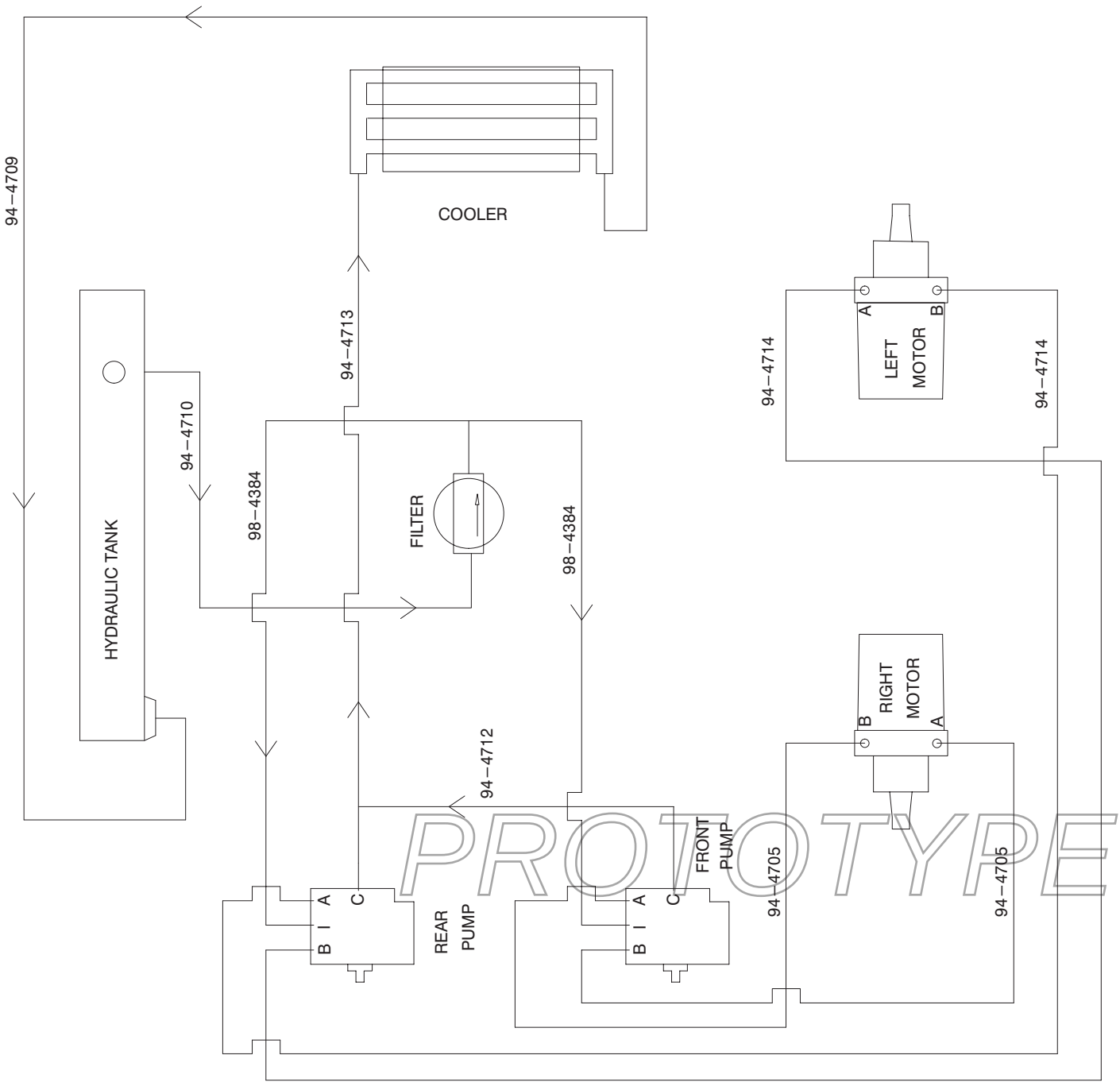
PROTOTYPE

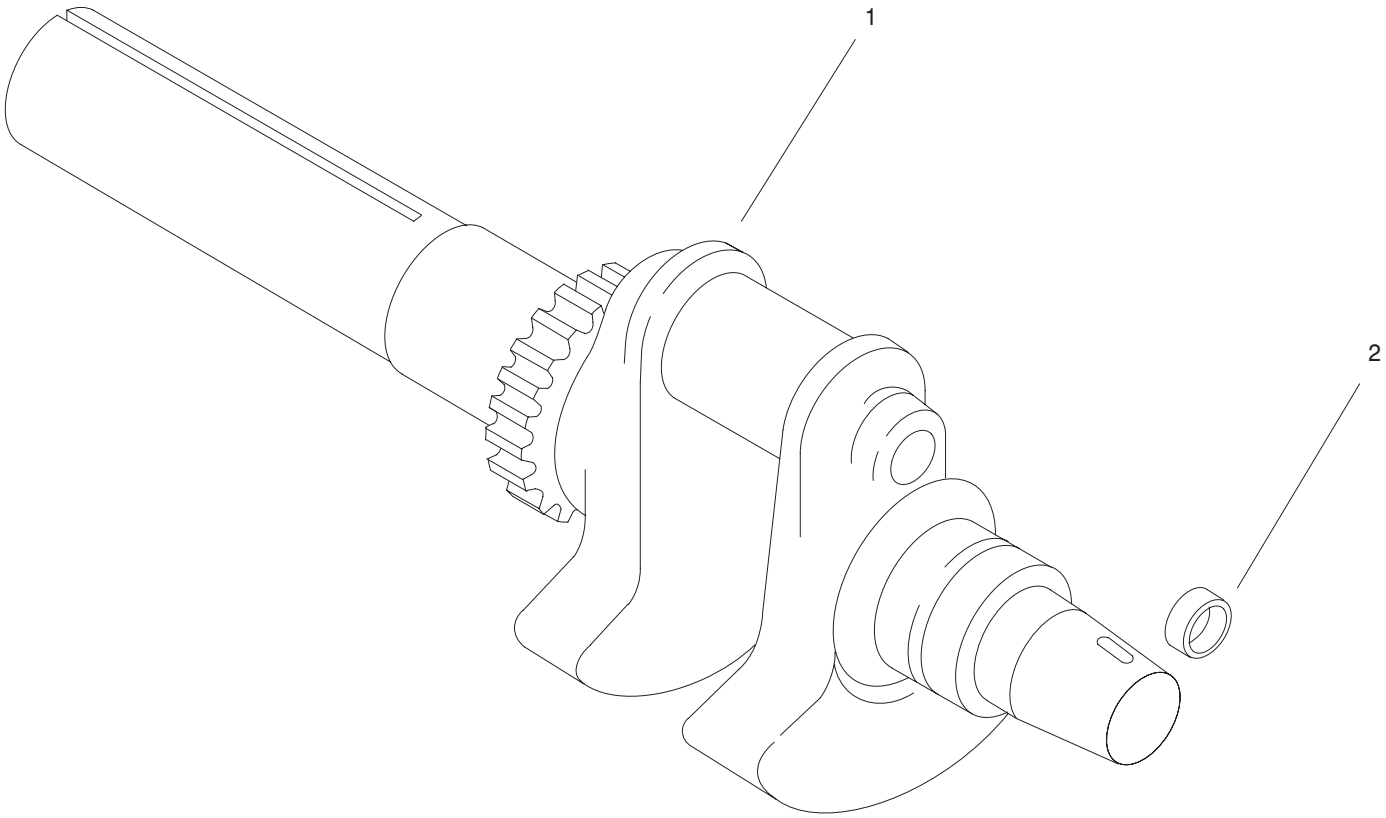
Electric Schematic



PROTOTYPE

Hydraulic Schematic





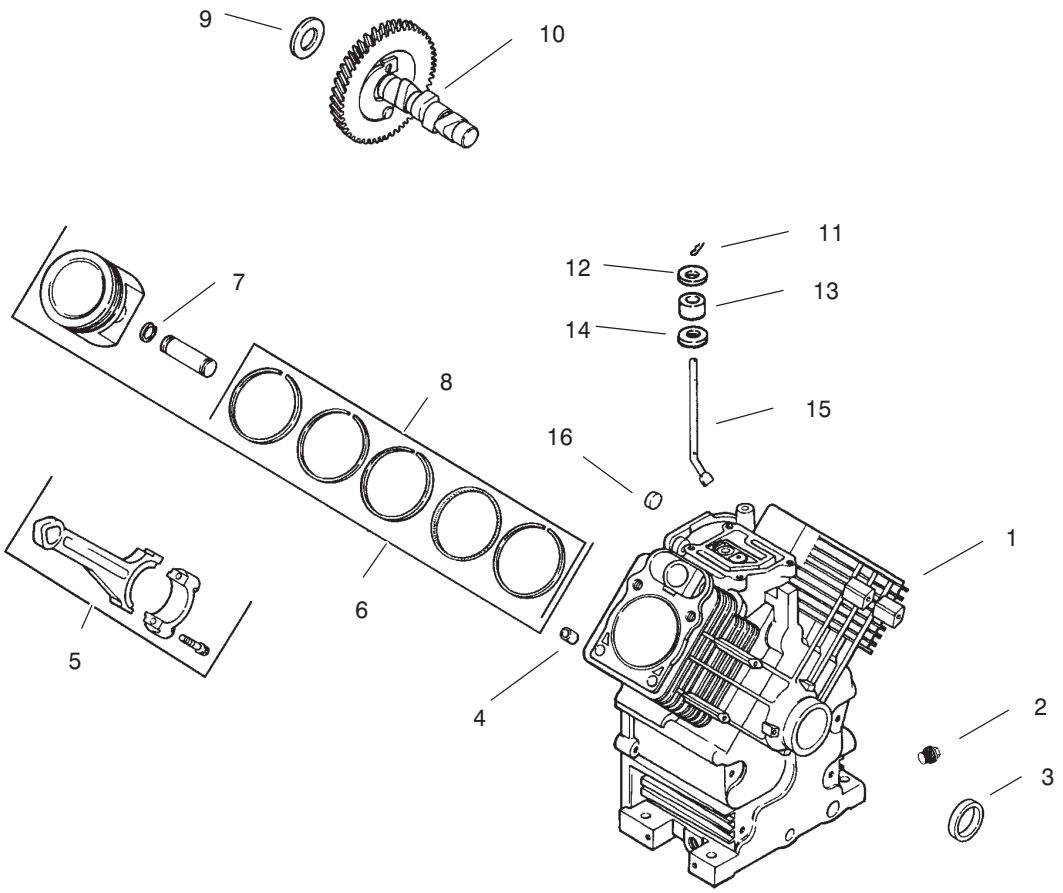
Crankshaft (Kohler CH25S PS68656)

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

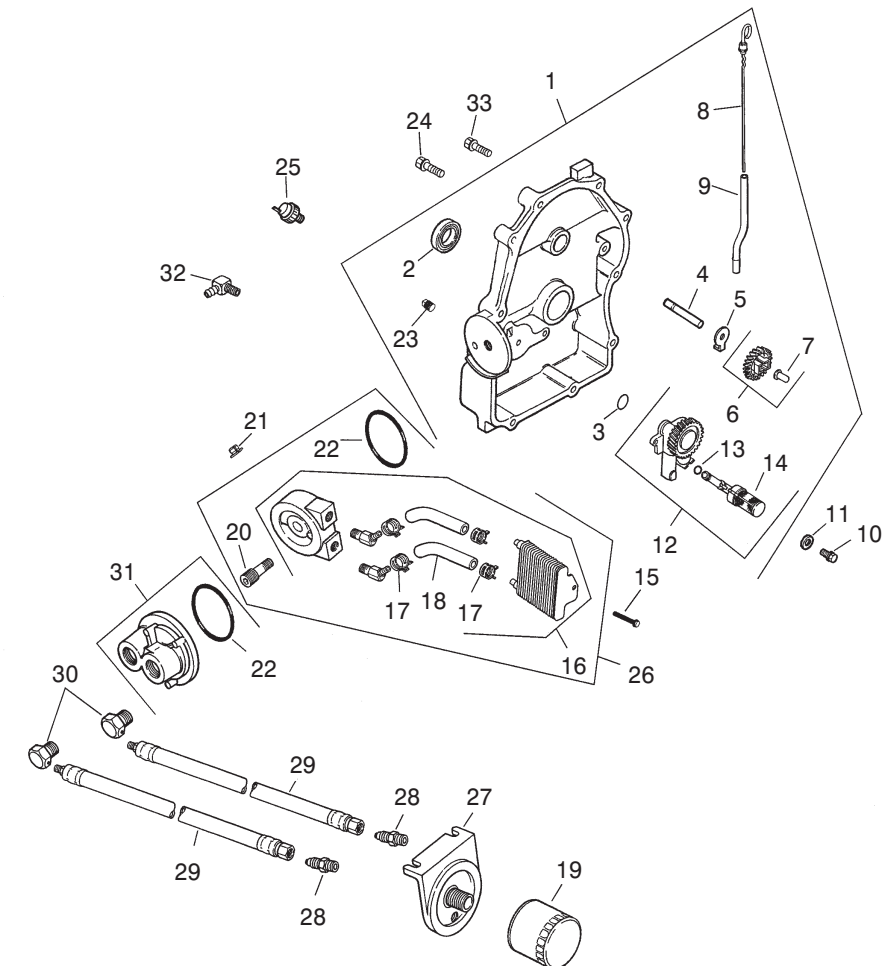


Crankcase (Kohler CH25S PS68656)

Ref. No.	Part No.	Qty.	Description
1	24 561 33–S		Kit, service crankcase (Incl. Ref. 2, 4,16 & 24 113 56)
2	X -75-10–S	2	Plug, pipe 3/8
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 06–S	2	Piston w/Ring Set (Std.) (Includes 7,8)
7	24 018 01–S	4	Retainer, piston pin
8	24 108 04–S		Ring Set (Std.)
9	12 422 09–S	AR	Shim, camshaft red
	12 422 13–S	AR	Shim, camshaft black
	12 422 07–S	AR	Shim, camshaft white
	12 422 08–S	AR	Shim, camshaft blue
	12 422 10–S		Shim, camshaft – yellow
	12 422 11–S	AR	Shim, camshaft green
	12 422 12–S	AR	Shim, camshaft gray
10	24 012 10–S		Camshaft
11	12 380 04–S		Pin, hitch
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



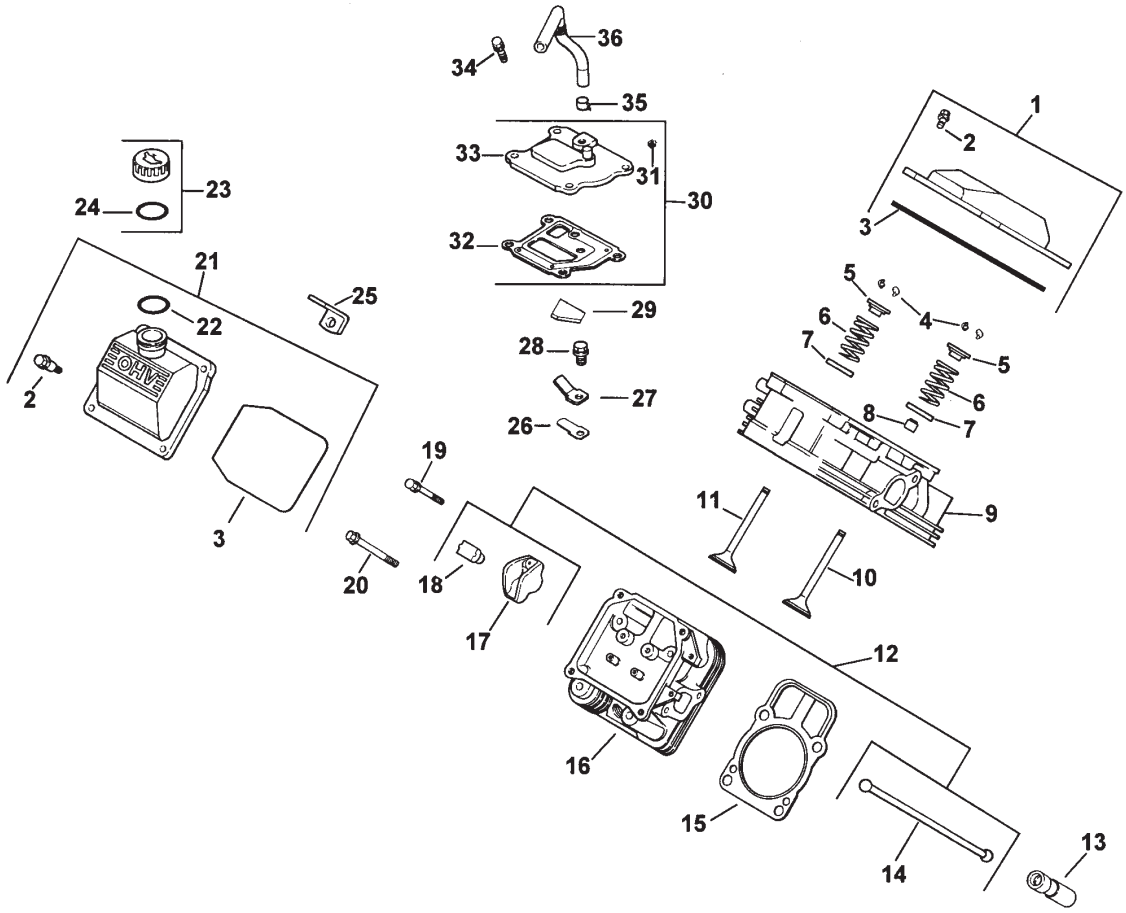
Oil Pan / Lubrication (Kohler CH25S PS68656)

Ref. No.	Part No.	Qty.	Description
1	24 009 82–S		Kit, closure plate (incl. 2–9 & 13, 14, 23)
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	2	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	24 086 12–S	2	Screw, hex. cap M6x1.7x18
16	24 594 09–S		Cooler, oil (Includes17,18)
17	24 237 03–S	4	Clamp, hose
18	24 326 15–S	2	Hose, oil

Ref. No.	Part No.	Qty.	Description
19	52 050 02–S		Filter, oil
20	24 136 03–S		Nipple, oil filter
21	24 100 01–S	2	Nut, plastic
22	24 153 13–S		O–Ring
23	X-75-23–S		Plug, allen hd. 1/8 pipe
24	24 086 16–S	9	Screw, hex. flange M8x1.25x45
25	24 099 03–S		Switch, oil pressure
26	54 755 21–S		Kit, alum base oil cooler (incl. 16–18, 20 & 22)
27	25 029 01–S		Adapter, remote oil filter
28	52 136 02–S	2	Nipple, hex
29	52 326 11–S	2	Hose, oil
30	24 294 04–S	2	Reducing, fitting
31	24 029 02–S	2	Adapter, oil filter (incl. 22)
32	25 155 02–S		Connector
33	24 086 17–S		Screw, hex. flange M8x1.25x45
*	24 113 25–S		Decal, oil cooler

PROTOTYPE

Obtain Parts from Kohler
* Not illustrated



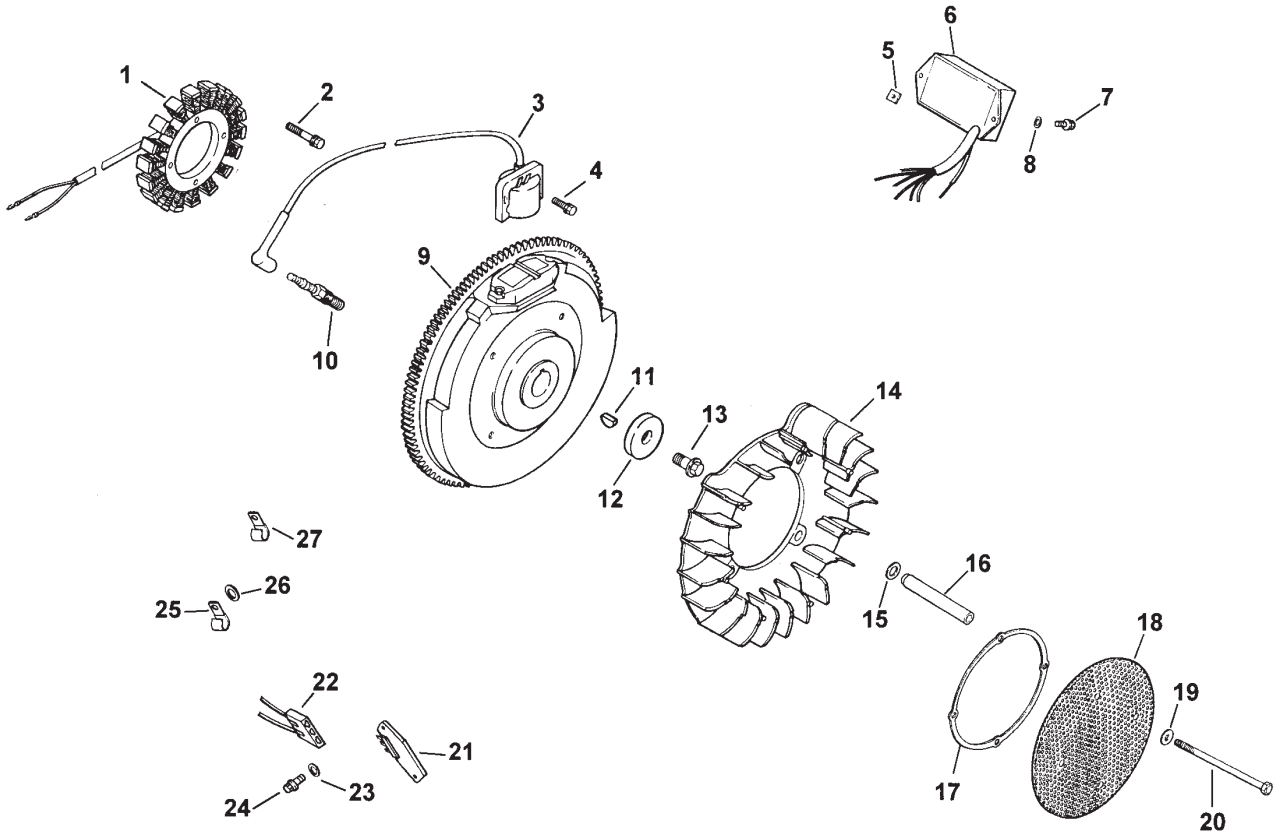
Head / Valve / Breather (Kohler CH25S PS68656)

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
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 13–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 02–S	4	Lifter, valve
14	24 411 05–S	4	Rod, push
15	24 041 16–S	2	Gasket, cylinder head
16	24 318 14–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	24 072 09–S	8	Stud, 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 02–S		Cover, breather
34	M-645020–S	4	Screw, hex. flange M6x1.0x20
35	X-426-9–S		Clamp, breather
36	24 326 06–S		Hose, breather
37	24 468 18–S	8	Washer, flat
38	M-841080–S	8	Nut, hex. flange M8x1.25

PROTOTYPE

Obtain Parts from Kohler

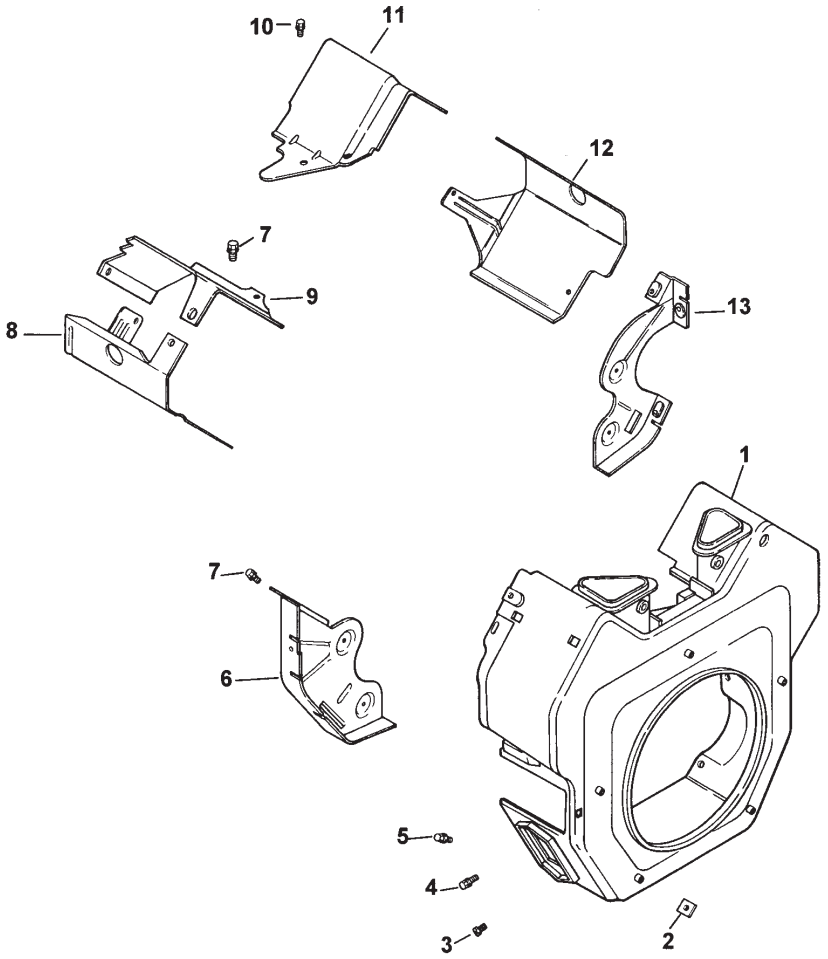


Ignition / Electrical (Kohler CH25S PS68656)

Ref. No.	Part No.	Qty.	Description
1	54 755 09–S		Kit, 15 amp stator (Incl. 28)
2	M-548025–S	2	Screw, hex. cap M5x0.8x25
3	24 584 15–S	2	Module, ignition
4	M-561025–S	4	Screw, hex. socket hd. M5x0.8x25
5	24 100 02–S	2	Nut, plastic
6	24 584 09–S		Module, speed advance
7	24 086 41–S	2	Screw, phillips head 11–16x1/2”
8	X-22-11–S		Washer, lock 1/4”
9	24 025 03–S		Flywheel
10	12 132 02–S	2	Spark Plug
11	X-42-15–S		Key
12	12 468 03–S		Washer, plain 3/8.
13	12 086 14–S		Screw, hex. flange M10x1.5x46
14	24 157 03–S		Fan
15	24 468 11–S	4	Washer, spring 10 mm
16	24 112 14–S	4	Spacer, grass screen
17	24 141 06–S		Ring, support
18	24 162 25–S		Screen, grass
19	X-25-53–S	4	Washer, plain 1/4”
20	M-603100–S	4	Screw, hex. head. M6x1.0x100
21	25 403 03–S		Rectifier–regulator 15 amp
22	236602–S		Connector
23	X-25-92–S	2	Washer, plain 3/16
24	24 086 18–S	2	Screw, phillips hd. 11–16x7/8
25	47 154 01–S		Clip, cable
26	X-25-63–S		Washer, plain 1/4
27	48 154 02–S		Clip, cable
28	24 126 71–S		Bracket, stator wire
29	24 755 79–S		Kit, chopper screen (incl. 15–19)
*	24 176 16–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)

Obtain Parts from Kohler
* Not illustrated

PROTOTYPE

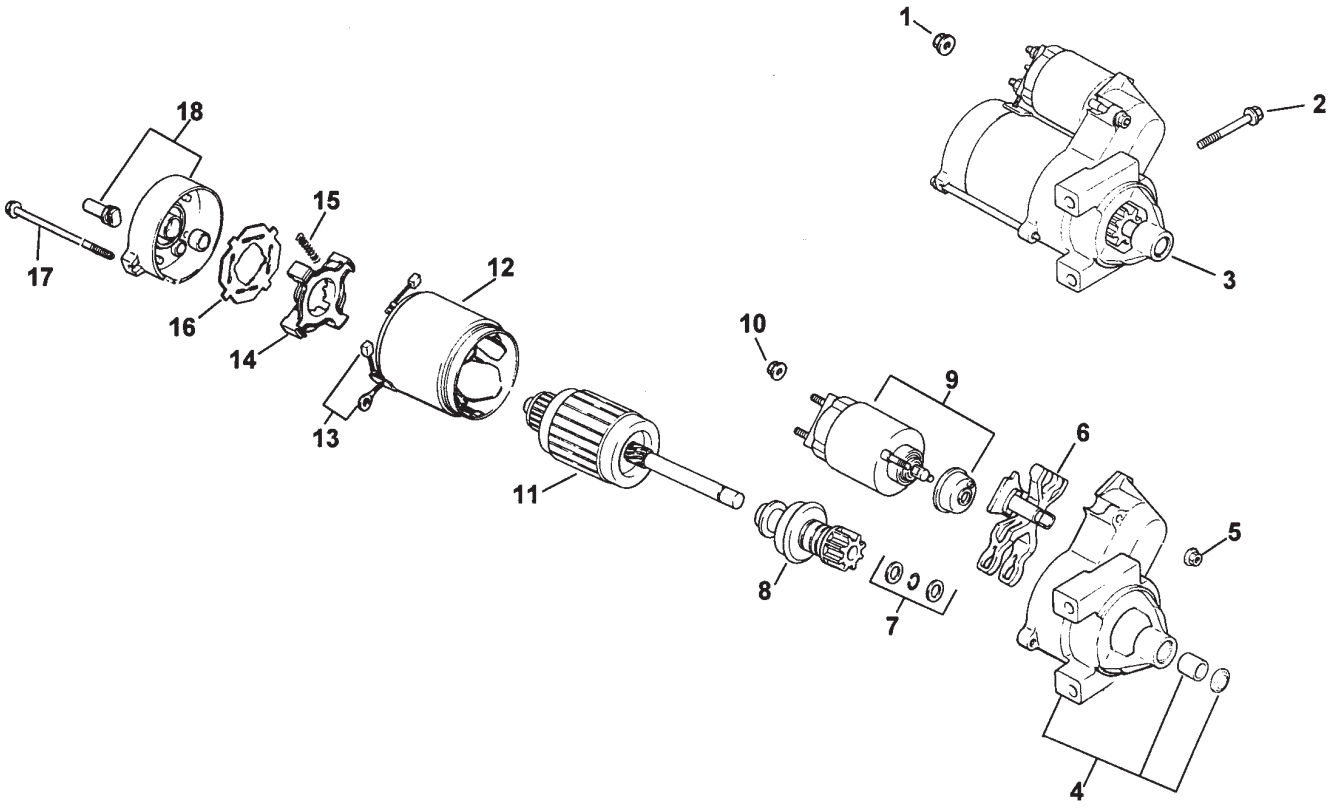


Blower Housing & Baffles (Kohler CH25S PS68656)

Ref. No.	Part No.	Qty.	Description
1	54 027 05–S		Housing, blower assembly (Incl. 2–4)
2	25 088 43–S		Screw, set
3	24 100 01–S	4	Nut, plastic
4	24 100 02–S	3	Nut, plastic
5	M-551016–S		Screw, hex. flange M5x0.8x16
6	M-545016–S	4	Screw, hex flange M5x0.8x16
7	M-545020–S	2	Screw, hex flange M5x0.8x20
8	24 146 11–S		Plate, backing – #2 side
9	M-645016–S	6	Screw, hex. flange M6x1.0x16
10	24 063 28–S		Baffle, cylinder barrel – #2 side
11	24 063 17–S		Baffle, valley – #2 side
12	M-545010–S	2	Screw, hex. flange M5x0.8x10
13	24 063 24–S		Baffle, valley – #1 side
14	24 063 30–S		Baffle, cylinder barrel– #1 side
15	24 146 08–S		Plate, backing– #1 side
*	24 113 09–S		Decal, horsepower

PROTOTYPE

Obtain Parts from Kohler
* Not illustrated



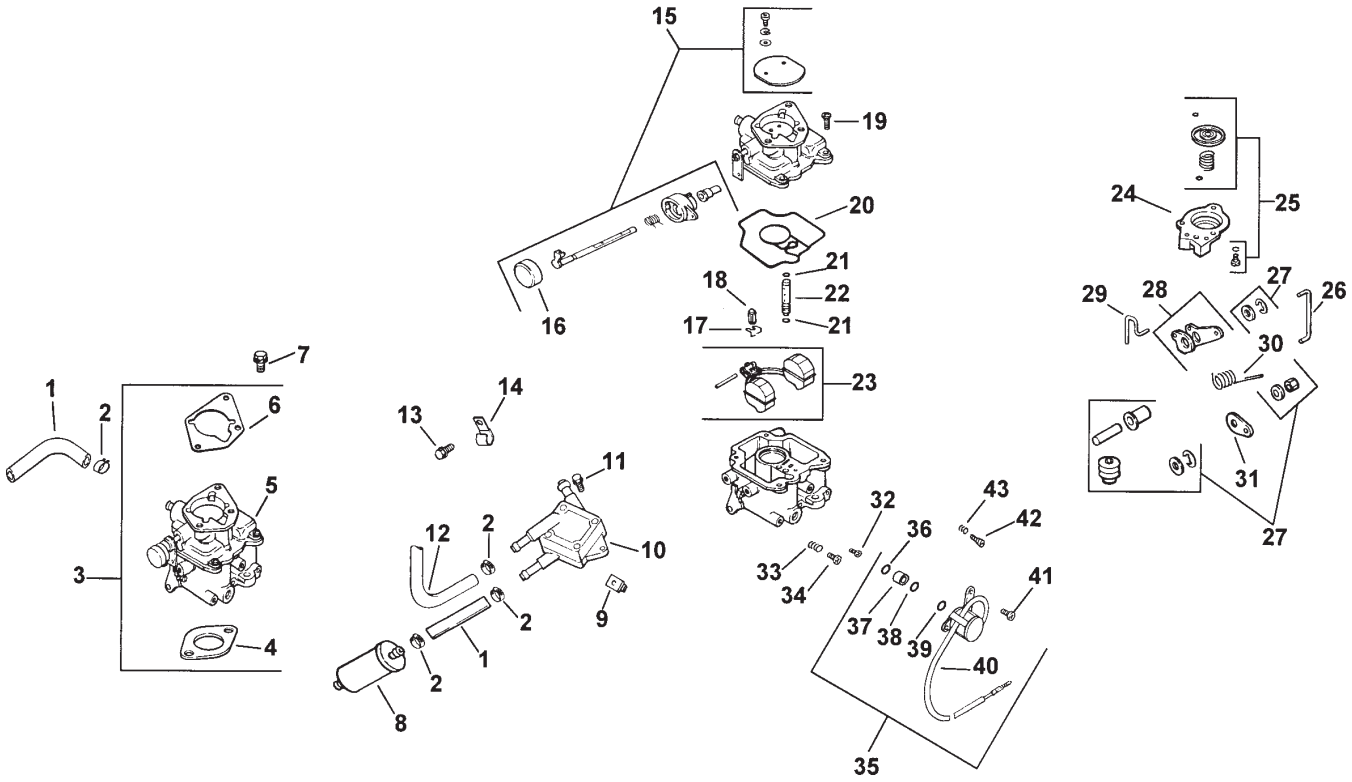
Starter System (Kohler CH25S PS68656)

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 M5x0.8x99
18	24 301 01–S		Commutator, end cap

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

Obtain Parts from Kohler



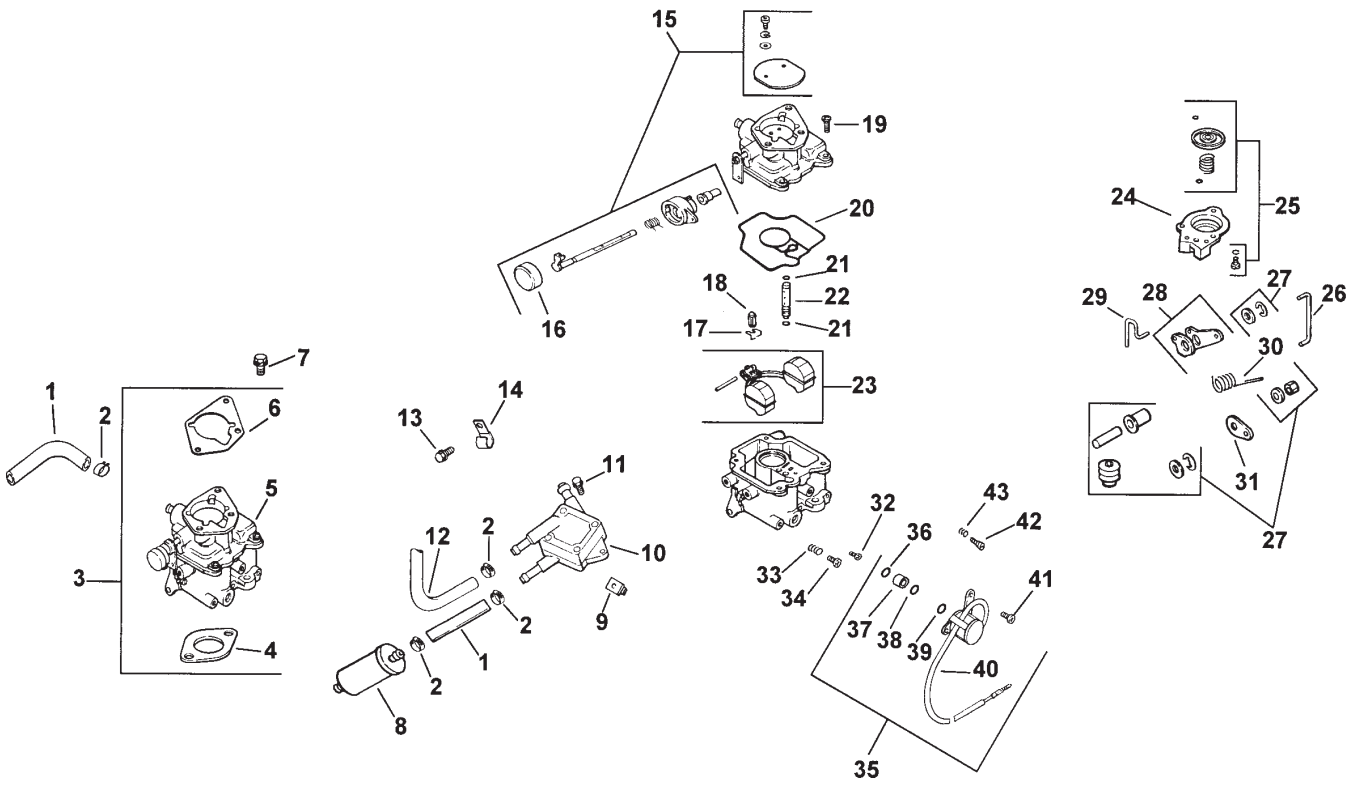
Fuel System (Kohler CH25S PS68656)

Ref. No.	Part No.	Qty.	Description
1	25 353 10	2	Line, fuel 9”
2	X–426–9	6	Clamp, hose
3	24 853 34		Kit, carburetor w/gasket (Includes 4–6)
4	24 041 06		Gasket, air cleaner
**5	24 053 34		Carburetor assembly (Includes 15–43 and carburetor repair kit 24 757 03)
6	24 041 17		Gasket, carburetor
7	M–0651030	2	Screw, hex. flange M6x1.0x30
8	24 050 02		Filter, fuel
9	24 100 01	2	Nut, plastic
10	24 393 04		Pump, fuel – pulse
11	24 086 12	2	Screw, hex. cap 18 mm
12	24 353 02		Line, fuel 15–1/2”
13	M–0650012		Screw, hex. flange M6x1.0x10
14	24 154 01		Clip, cable
15	24 757 07		Kit, choke repair (Includes 16)
16	24 173 02		Cap, choke lever
17	24 154 01		Clip, inlet needle valve
18	24 462 01		Valve, inlet needle

Ref. No.	Part No.	Qty.	Description
19	24 086 09	4	Screw, carburetor body
20	24 041 09		Gasket, carburetor body
21	24 153 02	2	O–Ring, slow jet
22	24 337 29		Jet, slow
23	24 757 02		Kit, float repair
24	24 081 05		Housing, pump
25	24 757 08		Kit, repair – accelerator pump seal & bushing)
26	24 079 07		Linkage, rod
27	24 757 09		Kit, repair – accelerator pump diaphragm
28	24 090 16		Lever, linkage
29	24 079 06		Linkage, rod
30	24 089 27		Spring, linkage
31	24 090 15		Lever, linkage
32	24 337 30		Jet, main
33	24 089 11		Spring, idle adjust
34	24 368 01		Needle, idle adjust
35	24 757 01		Kit, solenoid assembly (Includes 36–41)
36	24 153 06		O–Ring, solenoid
37	24 521 01		Seat, solenoid
38	24 153 05		O–Ring, solenoid
39	24 153 04		O–Ring, solenoid
40	24 435 01		Solenoid

PROTOTYPE

Obtain Parts from Kohler
** For Information Only – Not Available Separately.



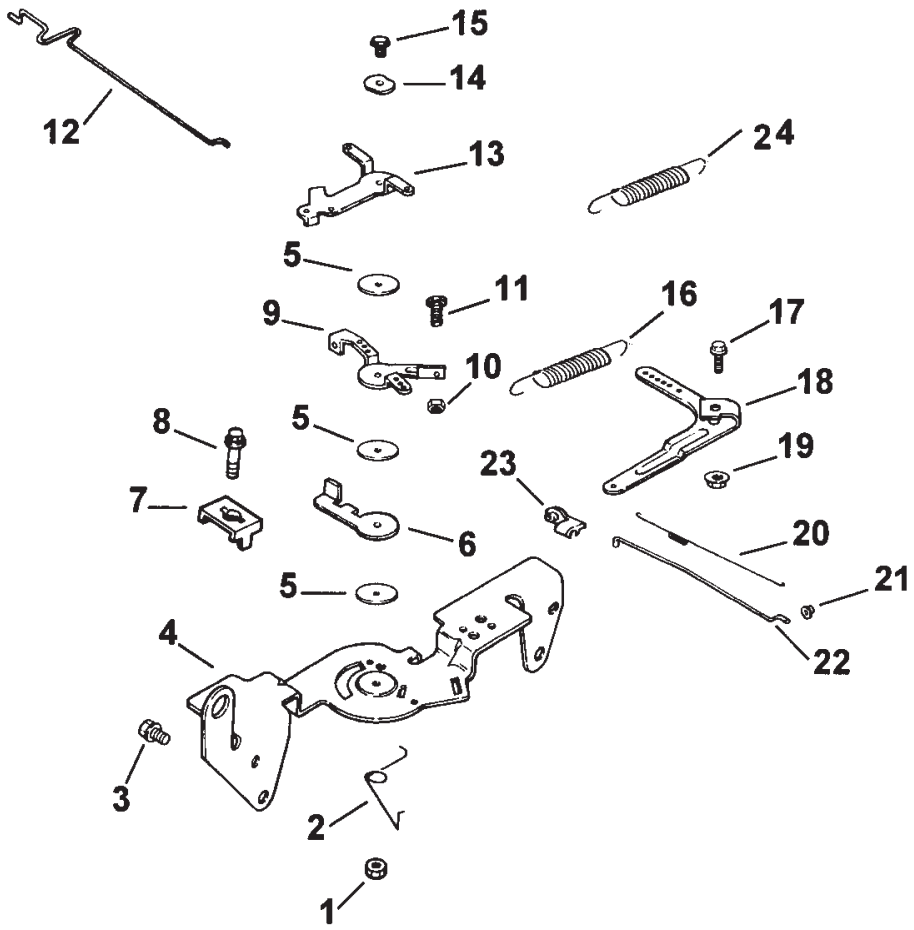
Fuel System – Continued (Kohler CH25S PS68656)

Ref. No.	Part No.	Qty.	Description
41	24 086 07	2	Screw, solenoid
42	24 086 10		Screw, idle speed adjust
43	24 089 10		Spring, idle speed adjust
*	24 757 03		Kit, carburetor repair

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

Obtain Parts from Kohler
* Not illustrated



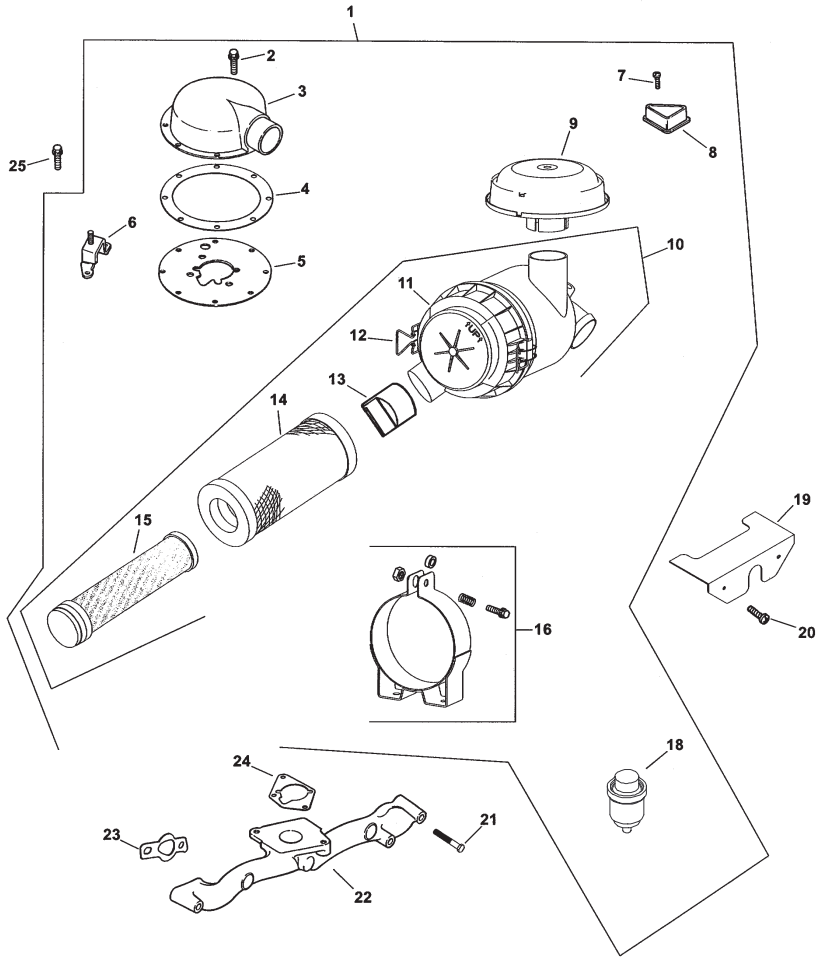
Engine Controls (Kohler CH25S PS68656)

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 1/4
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. flange M4x0.7
11	M-401030–S		Screw, hex. flange 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	SM-642025–S		Screw, hex. flange M6x1.0x25
18	24 090 14–S		Lever, governor
19	M-641060–S		Nut, hex. flange M6x1.0

Ref. No.	Part No.	Qty.	Description
20	24 089 01–S		Spring, linkage
21	25 158 08–S		Bushing, linkage retaining
22	24 079 01–S		Linkage, throttle
23	25 158 11–S		Bushing, throttle linkage
24	24 089 51–S		Spring, governor

PROTOTYPE

Obtain Parts from Kohler

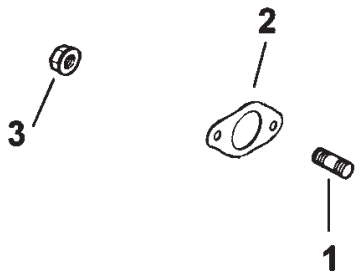


Air Intake / Filtration (Kohler CH25S PS68656)

Ref. No.	Part No.	Qty.	Description
1	24 743 26–S		Kit, heavy duty air cleaner (Includes 2–18)
2	M-645016–S	7	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, slottrd 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
16	25 126 02–S		Bracket assembly, air cleaner
17	25 139 20–S		Plug, pipe
18	25 755 24–S		Kit, 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
*	25 113 27–S		Decal, air cleaner

Obtain Parts from Kohler
* Not illustrated

PROTOTYPE



Exhaust (Kohler CH25S PS68656)

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
*	24 782 04–S		Miniblock
*	24 755 23–S		Gasket Set

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

Obtain Parts from Kohler
* Not illustrated

Maintenance Record

Date								



PROTOTYPE