Form No. 3327–784

Z286E

Z–Master® with 62in SFS Side Discharge Mower

Model No. 74240—220000001 and Up

Parts Catalog

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 — 2002
All Rights Reserved

Contents

Description	Page
Front Frame Assembly	3
Caster and Wheel Assembly	4
Main Frame Assembly	5
Brake and Wheel Hub Assembly	6
Steering Control Assembly	7
Hydraulic System Assembly	8
Seat Assembly	10
Deck Connection Assembly	11
Drive Idler Assembly	12
Z–Stand Assembly	13
Engine and Clutch Assembly	14
Guard Assembly	15
Fuel System Assembly	16
Electrical System Assembly	17
Deck, Deflector and Roller Assembly	19
Spindle and Pulley Assembly	20
Belt and Idler Arm Assembly	21
Electrical Schematic	22
Group 1 – Crankshaft Assembly Kohler CH26S–78518	23
Group 2 – Crankcase Assembly Kohler CH26S–78518	24
Group 3 – Oil Pan Assembly Kohler CH26S–78518	25
Group 4 – Head/Valve/Breather Assembly Kohler CH26S–78518	26
Group 5 – Ignition/Electrical Assembly Kohler CH26S–78518	28
Group 6 – Blower Housing and Baffle Assembly Kohler CH26S–78518	29
Group 7 – Starter Assembly Kohler CH26S–78518	30
Group 8 – Fuel System Assembly Kohler CH26S–78518	31
Group 9 – Engine Control Assembly Kohler CH26S–78518	33
Group 10 – Air Intake/Filtration Assembly Kohler CH26S–78518	34
Group 11 – Exhaust Assembly Kohler CH26S–78518	35

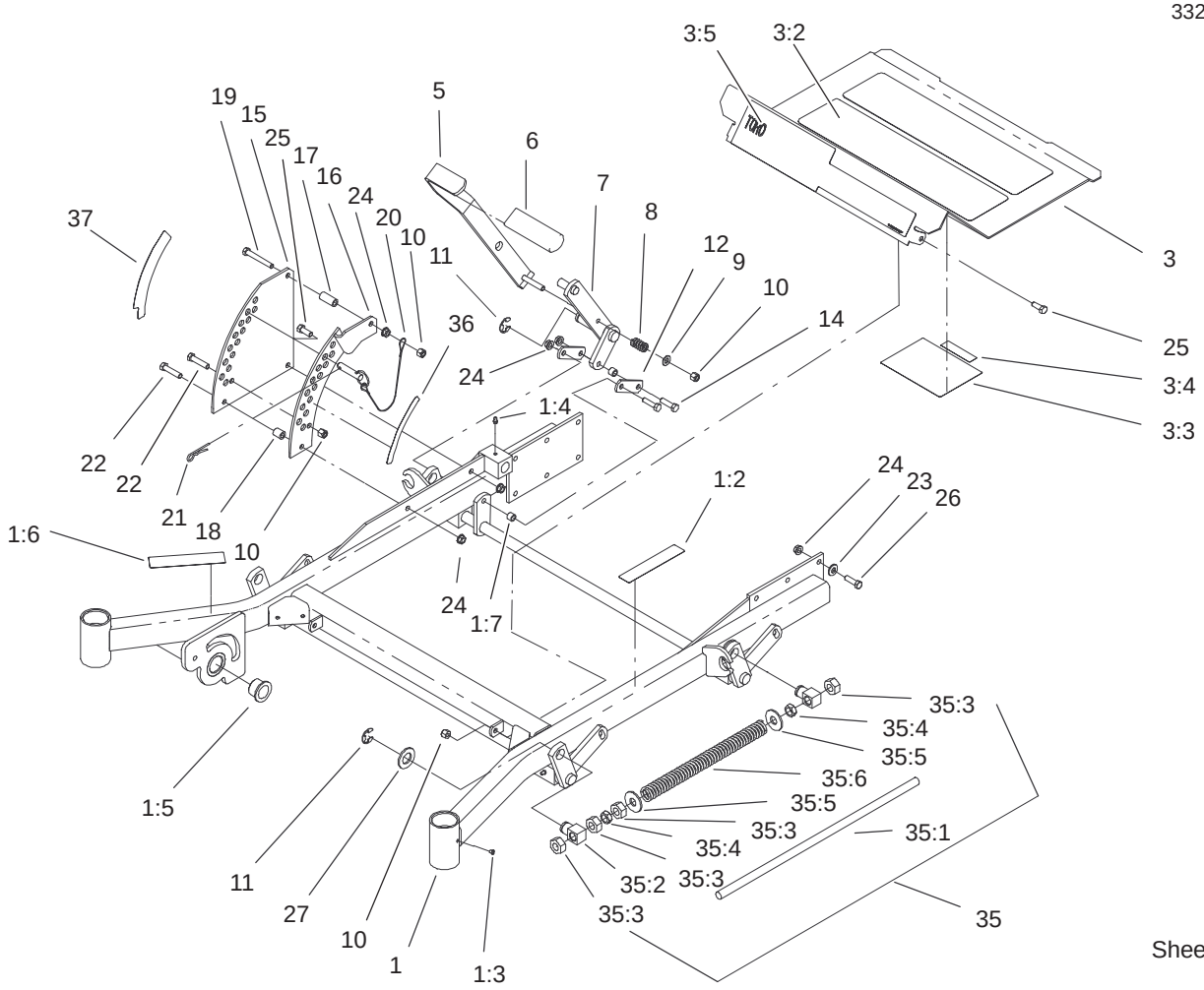
Accessories

Description	Model / Part No.
Hitch Kit	99–8925
Atomic Blade Assembly	104–1303
62 Inch Striping Kit	30163
62 Inch Z–Recycler Kit	100–9600

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
HYD	hydraulic
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



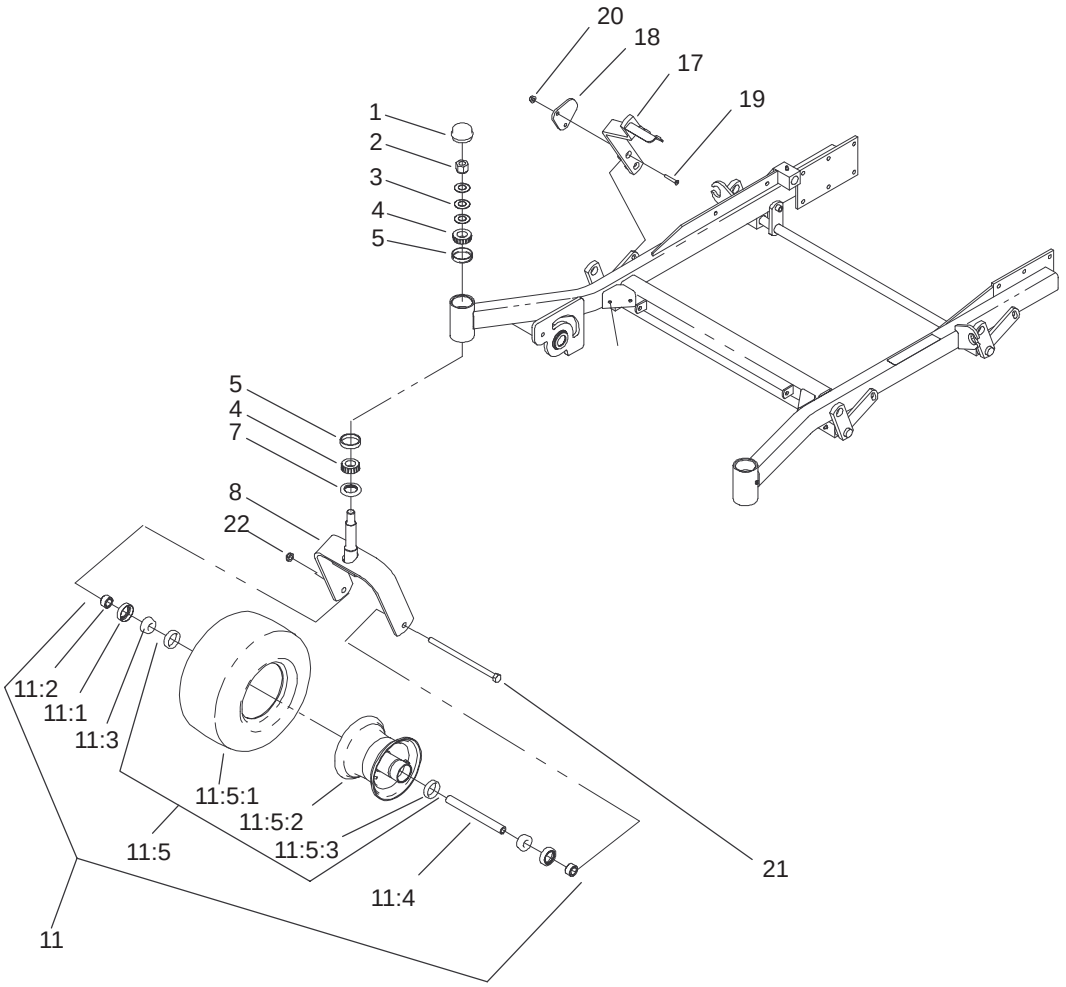
Sheet No.: 2

Front Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	104–5132	1	Frame ASM
1:2	1–633818	1	Decal–Warning
1:3	1–811010	2	Plug
1:4	302–19	5	Fitting–Grease
1:5	94–1291	2	Bushing–Special
1:6	104–7759	1	Decal–Warning
1:7	103–1918	1	Bushing
3	100–6509	1	Floorpan ASM
3:2	1–633553	3	Pad–Antiskid
3:3	1–633766	1	Decal–Check
3:4	98–5954	1	Decal–Missing, Cover
3:5	1–633737	1	Decal–Z–Master
5	103–2083–03	1	Lever–Lift
6	1–633295	1	Grip–Lever, Lift
7	103–2064–03	1	Arm–Lift, Deck
8	1–633325	1	Spring–Compression
9	3256–24	1	Washer–Flat
10	3296–39	5	Nut–Lock, NI
11	32151–103	5	Ring–Snap
12	1–633068	2	Arm–Lift, Deck
14	323–29	2	Screw–HH
15	1–633889–01	1	Plate–Lift, Deck
16	1–632899–01	1	Plate–Lift, Deck
17	1–633082	1	Bushing–Lever, Lift
18	1–633080	1	Bushing–Lever, Lift
19	323–13	1	Screw–HH

Ref. No.	Part No.	Qty.	Description
20	1–633097	1	Pin–Hitch W/Lanyard
21	1–806005	1	Pin–Hair
22	323–9	2	Screw–HH
23	98–5975	12	Washer–Belleville
24	3290–357	17	Nut–HHF
25	323–6	3	Screw–HH
26	323–7	12	Screw–HH
27	3256–29	4	Washer–Flat
☆35		2	Front Frame Spring ASM
35:1	1–633096	1	Rod–Lift, Deck
35:2	1–633441	2	Swivel–Deck Mount, Rear
35:3	3217–11	4	Nut–Hex
35:4	3218–6	2	Nut–Jam
35:5	3256–7	2	Washer–Flat
35:6	1–633064	1	Spring–Support, Deck
36	1–633706	1	Decal–Height, Deck
37	1–633345	1	Decal–Height, Deck

☆ Not serviced separately

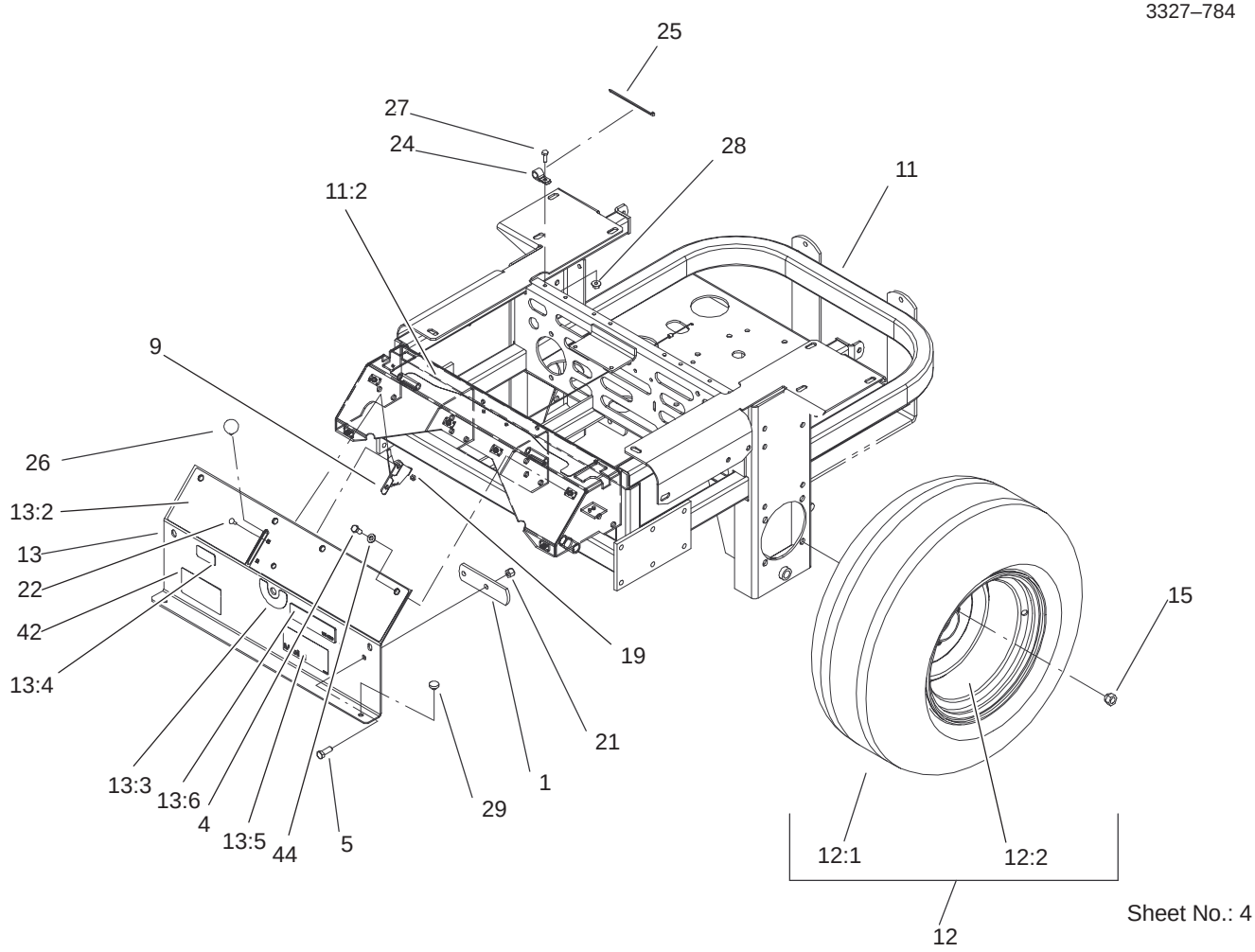


Sheet No.: 3

Caster and Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	1–543513	2	Cap–Grease
2	3296–51	2	Nut–Lock, NI
3	1–633508	6	Washer–Bellville
4	254–94	4	Bearing–Cone, Taper
5	254–72	4	Bearing–Cup, Tapered
7	1–543511	2	Seal–Grease
8	103–1474–01	2	Fork–Caster
11	1–644251	2	Caster Wheel ASM
11:1	1–633580	2	Seal–Bearing
11:2	1–633581	2	Spacer–Bearing
11:3	1–633585	2	Bearing–Cone, Taper
11:4	1–633959	1	Spacer–Caster, Front
11:5		1	Wheel & Tire ASM
11:5:1	1–523009	1	Tire
11:5:2	1–633987	1	Wheel
11:5:3	1–633584	2	Bearing–Cup
17	100–4333–01	1	Lever–Lift, Deck
18	1–643220–01	1	Strap
19	3289–7	2	Screw
20	32128–20	2	Nut–HF
21	325–39	2	Screw–HH
22	3296–45	2	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description

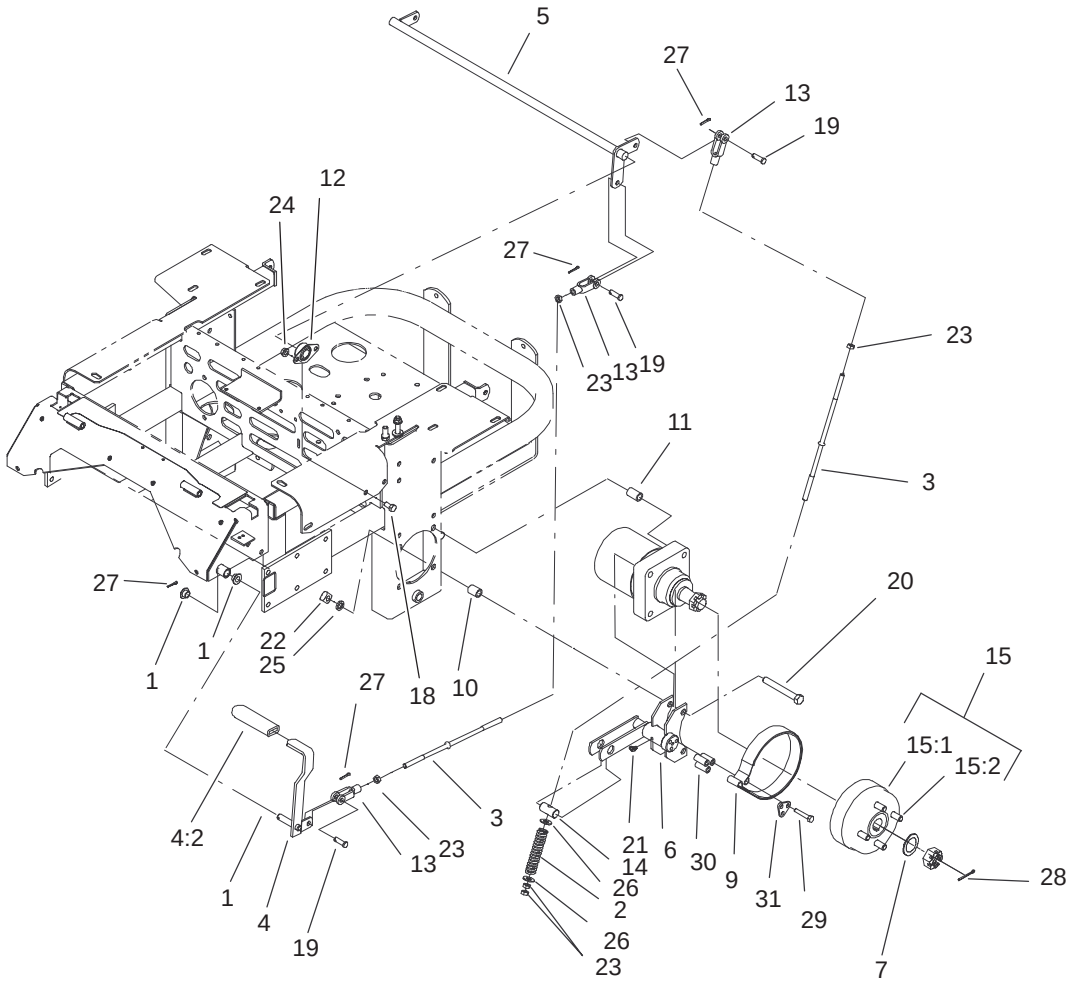


Sheet No.: 4

Main Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	1–633964–03	1	Stop–Brake, Park
4	322–3	6	Screw–HH
5	323–6	2	Screw–HH
9	1–633696	1	Cable–Throttle
11	105–6120	1	Rear Frame ASM
11:2	103–2433	1	Decal,Top Console
12	1–633970	2	Wheel & Tire ASM
12:1	1–633993	1	Tire
12:2	1–633992	1	Wheel
13	100–4322	1	Console ASM
13:2	100–4311	1	Decal–Panel, Control
13:3	103–0261	1	Decal–Valve, Fuel
13:4	98–4387	1	Decal–Protection, Ear
13:5	104–8172	1	Decal–Mobil 1
13:6	100–4329	1	Decal–Efi
15	242–50	8	Nut–Lug
19	3296–2	2	Nut–Lock
21	3296–39	2	Nut–Lock, NI
22	1–807513	2	Bolt–CARR
24	1–513762	1	Clip–Loom
25	1–303335	1	Tie–Plastic
26	1–513592	1	Knob–Ball
27	321–4	1	Screw–HH
28	32128–33	1	Nut–HF
29	1–513658	2	Bumper–Catcher, Grass

Ref. No.	Part No.	Qty.	Description
42	104–7786	1	Decal–Z286e
44	3256–23	6	Washer–Flat

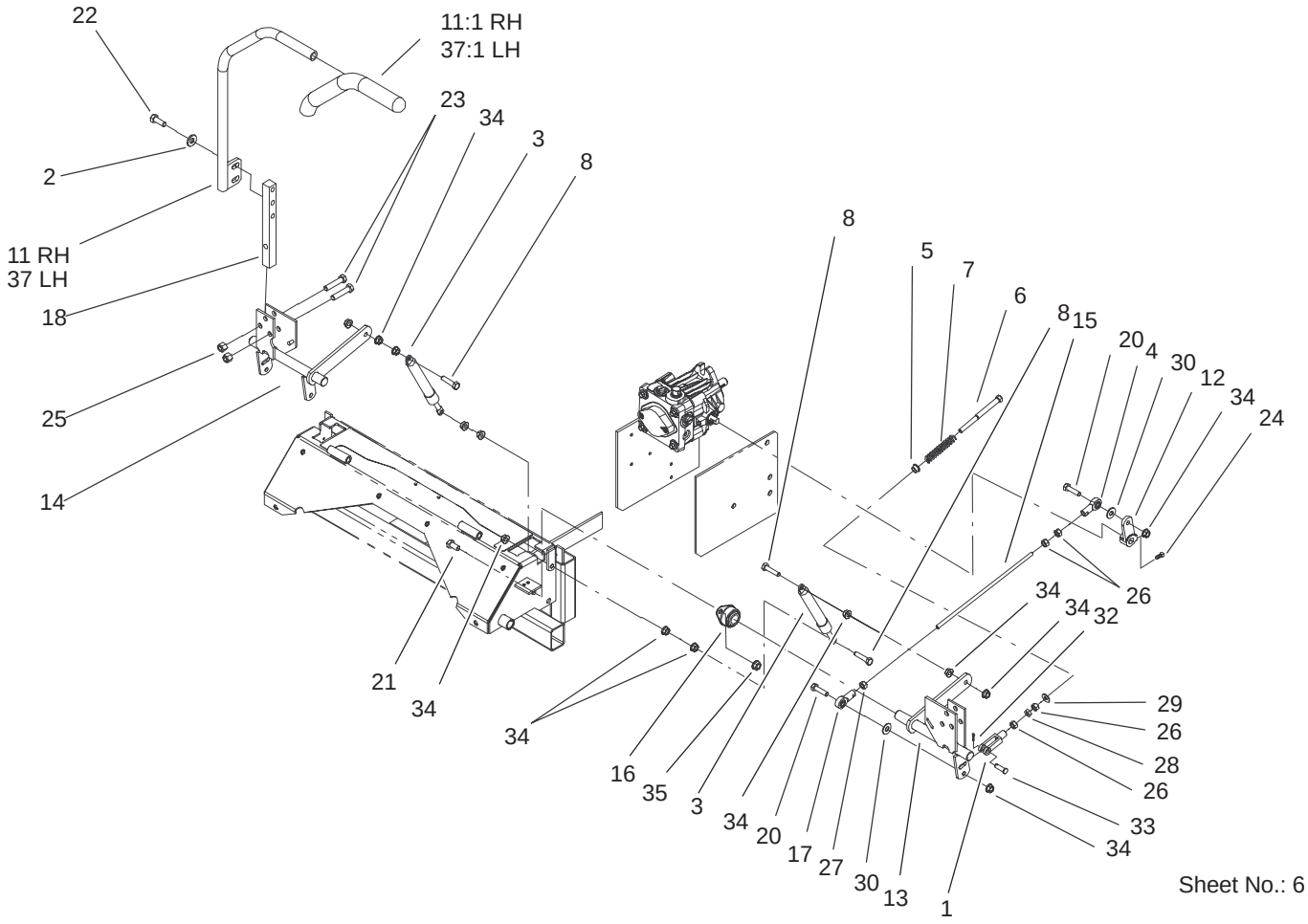


Sheet No.: 5

Brake and Wheel Hub Assembly

Ref. No.	Part No.	Qty.	Description
1	1–513140	2	Bearing–Control
2	1–633454	2	Spring–Brake
3	1–633477	3	Rod–Brake
4	1–634500	1	Brake Lever ASM
4:2	1–633268	1	Grip–Lever, Brake
5	1–632217–03	1	Shaft–Brake
6	103–0352–03	2	Bracket–Brake
7	1–523157	2	Washer–Spacer
9	103–0355	2	Band–Brake
10	1–633380	4	Spacer–Wheel, Short
11	1–633382	4	Spacer–Wheel, Long
12	1–633102	2	Bearing–Flange, Side
13	1–633131	4	Yoke–Linkage, Brake
14	1–633144	2	Pin–Trunion
15	103–0590	2	Hub–Wheel
15:1	103–0589	1	Hub–Wheel
15:2	1–633926	4	Stud–Wheel
18	323–4	4	Screw–HH
19	1–808285	4	Pin–Clevis
20	325–17	8	Screw–HH
21	1481	2	Fitting–Grease
22	103–0131	8	Nut–Square
23	3219–3	8	Nut–HH
24	3290–357	4	Nut–HHF
25	3253–7	8	Washer–Lock
26	3256–4	4	Washer–Flat

Ref. No.	Part No.	Qty.	Description
27	3272–10	7	Pin–Cotter
28	1–806800	2	Pin–Cotter
29	322–9	6	Screw–HH
30	103–0384	6	Spacer
31	103–0374	2	Retainer–Band, Brake

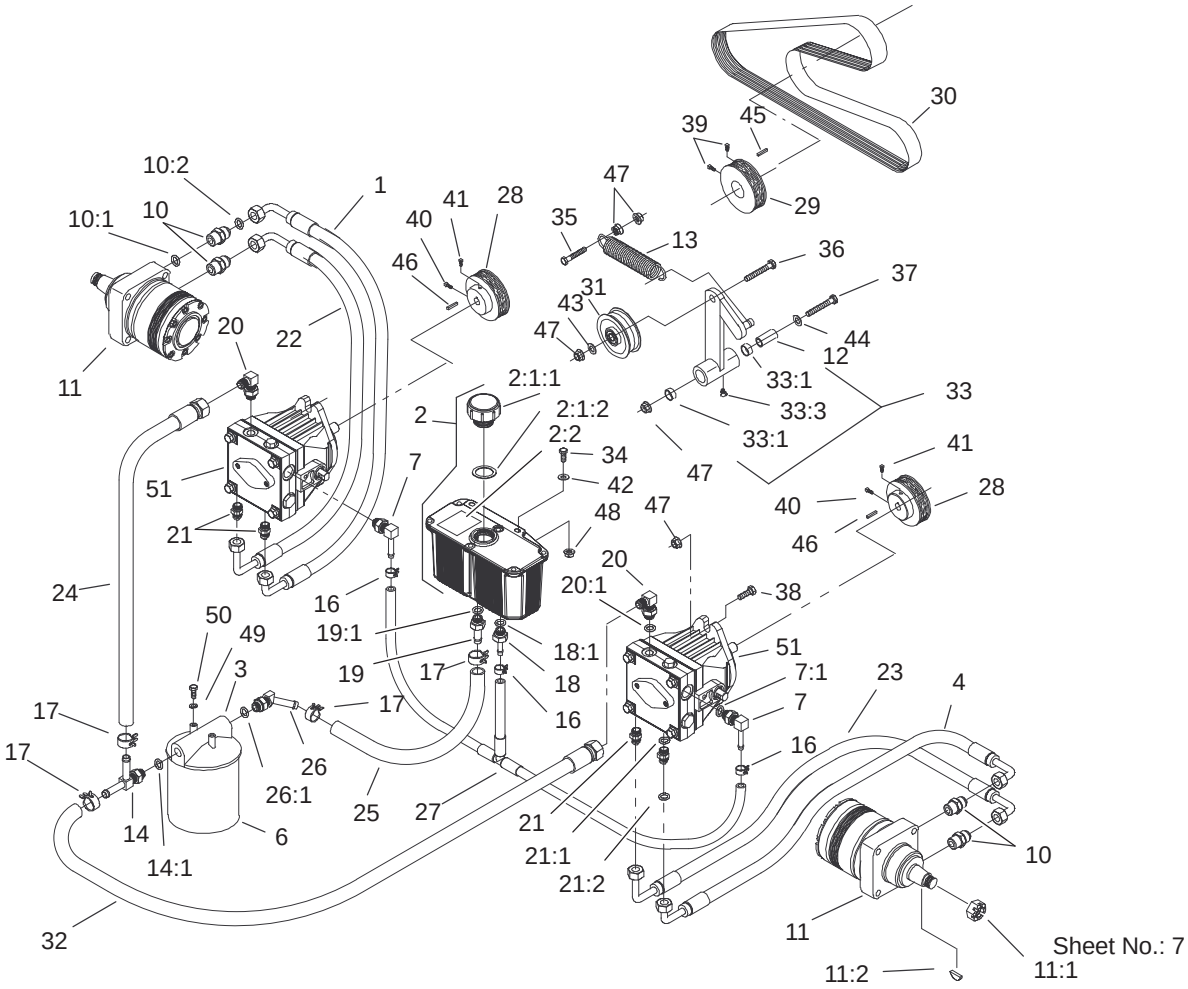


Sheet No.: 6

Steering Control Assembly

Ref. No.	Part No.	Qty.	Description
1	1–303105	2	Yoke–Adjustable
2	98–5975	4	Washer–Belleville
3	1–523027	2	Damper–Control
4	1–543017	2	Balljoint–RH
5	1–603735	2	Bushing–Flanged
6	1–603737	2	Bolt–Return, Neutral
7	1–603807	2	Spring–Return, Neutral
8	1–403180	4	Screw–HH
11	103–0632	1	RH Lever ASM
11:1	1–633257	1	Grip–Control, Motion
12	1–632208	2	Arm–Control, Pump
13	1–642319	1	Control–Motion, LH
14	1–642320	1	Control–Motion, RH
15	1–633153	2	Linkage–Pump/Lever
16	1–633102	4	Bearing–Flange, Side
17	1–633152	2	Balljoint–Thread, LH
18	103–0407	2	Arm–Shaft, Control
20	322–6	4	Screw–HH
21	323–4	8	Screw–HH
22	323–6	4	Screw–HH
23	323–9	6	Screw–HH
24	1–803022	2	Screw
25	3296–39	6	Nut–Lock, NI
26	3219–2	10	Nut–Hex
27	1–804524	2	Nut

Ref. No.	Part No.	Qty.	Description
28	3220–2	2	Nut
29	3256–2	2	Washer–Flat
30	3256–3	4	Washer–Flat
32	3272–5	2	Pin–Cotter
33	1–808280	2	Pin–Clevis
34	32128–20	16	Nut–HF
35	3290–357	8	Nut–HHF
37	103–0631	1	LH Lever ASM
37:1	1–633257	1	Grip–Control, Motion

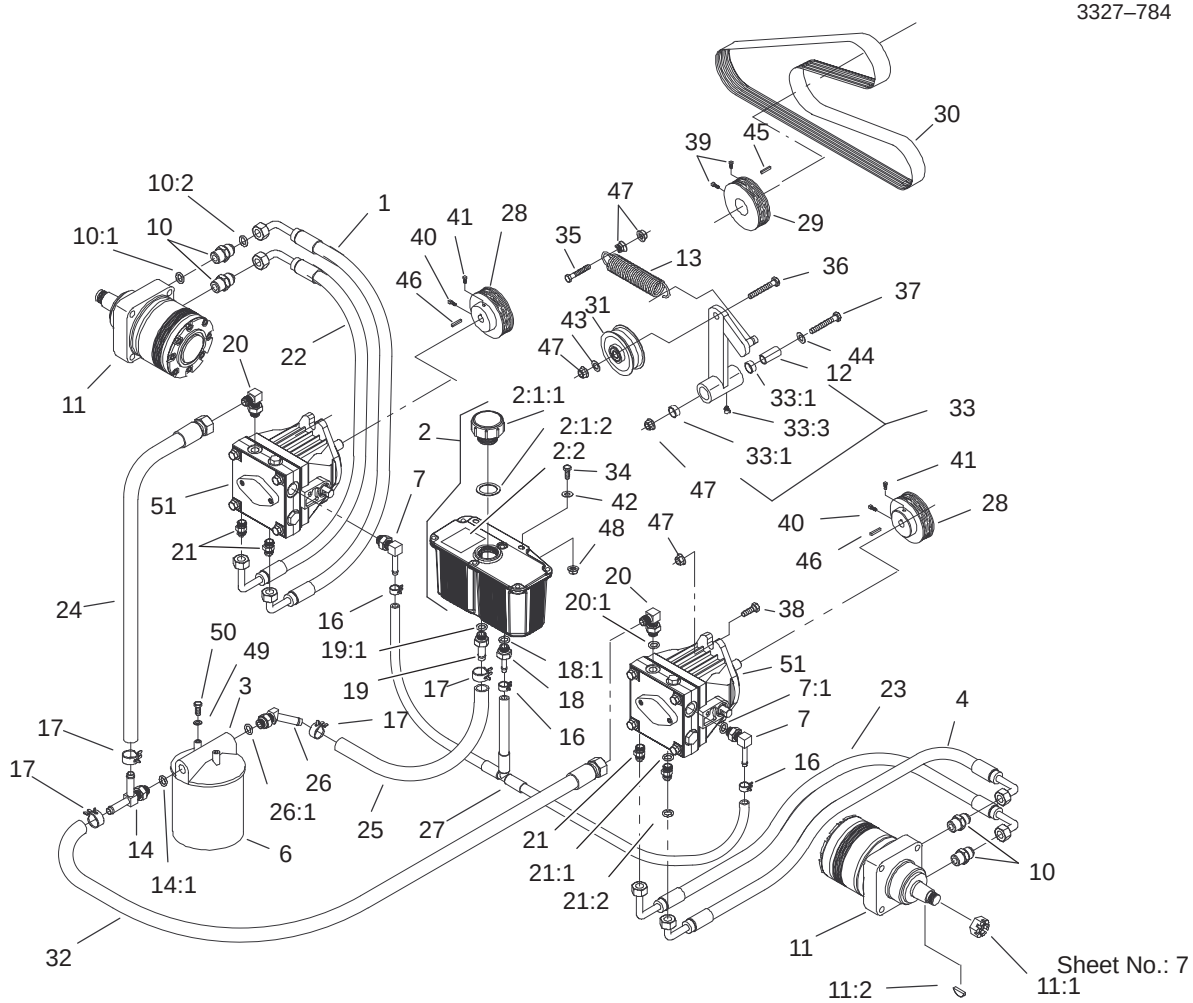


Hydraulic System Assembly

Ref. No.	Part No.	Qty.	Description
1	103–1764	1	Upper RH Hose ASM
2	103–1947	1	HYD Reservoir ASM
☆2:1		1	Reservoir–HYD
2:1:1	103–1948	1	Cap–HYD Reservoir
2:1:2	103–1949	1	Gasket–Cap
2:2	1–523552	1	Decal–Tank, Hydraulic
3	104–7836	1	Head–Filter
4	103–1682	1	Upper LH Hose ASM
6	1–633750	1	Filter–HYD
6	1–633752	1	Filter–HYD, Winter
7	103–1799	2	Elbow–90°
7:1	237–42	1	O–Ring
10	1–603991	4	Fitting–Straight
10:1	237–80	1	O–Ring
10:2	1–603992	1	O–Ring
11	1–523328	2	Motor–Wheel
11:1	1–809036	1	Nut–HH
11:2	3257–42	1	Key–Woodruff
*11:99	103–2748	1	Kit–Link, Drive
*11:99	1–000139	1	Kit–Bearing
*11:99	1–000099	1	Kit–Seal
12	1–603384	1	Bushing–Pivot, Idler
13	1–633151	1	Spring–Extension
14	103–1828	1	Adapter–Run, Tee
14:1	237–42	1	O–Ring
16	103–1716	3	Clamp–Hose

Ref. No.	Part No.	Qty.	Description
17	103–1988	4	Clamp–Hose
18	103–1801	1	Adapter–Straight
18:1	237–42	1	O–Ring
19	103–1912	1	Adapter–Straight
19:1	237–42	1	O–Ring
20	103–1802	2	Elbow–90°
20:1	237–42	1	O–Ring
21	1–603990	4	Fitting–Straight
21:1	237–79	1	O–Ring
21:2	1–603992	1	O–Ring
22	103–1765	1	Lower RH Hose ASM
23	103–1683	1	Lower LH Hose ASM
24	103–1826	1	HYD Hose ASM
25	103–1808	1	Hose–HYD
26	103–1807	1	Elbow–45°
26:1	237–42	1	O–Ring
27	103–1806	1	HYD Hose ASM
28	1–633568	2	Sheave
29	1–633567	1	Sheave
30	1–633749	1	Belt–Drive, Pump
31	1–633167	1	Sheave–Idler
32	103–1827	1	HYD Hose ASM
33	1–634277	1	Bearing Arm ASM
33:1	1–513034	2	Sleeve–Bearing
33:3	302–40	1	Fitting–Grease
34	321–6	2	Screw–HH

☆ Not serviced separately
* Not illustrated

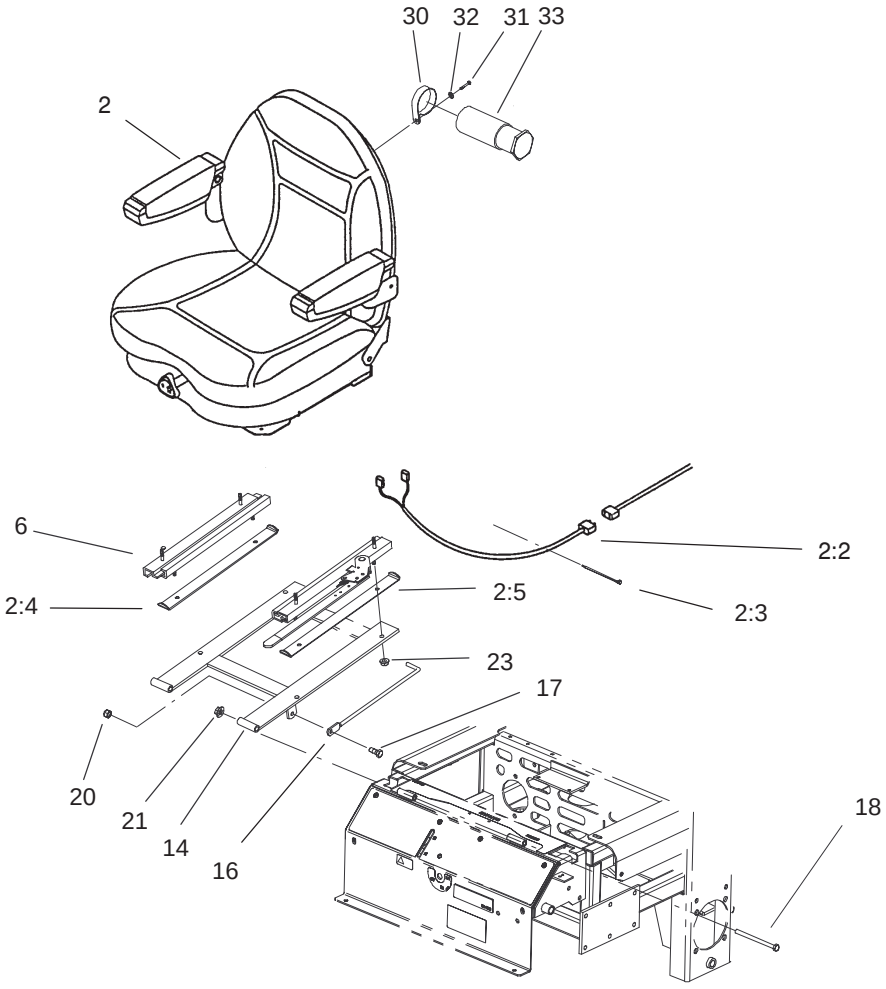


Hydraulic System Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
35	323–8	1	Screw–HH
36	323–9	1	Screw–HH
37	1–800805	1	Screw–HH
38	323–7	4	Screw–HH
39	1–803022	2	Screw
40	30–1710	2	Screw
41	1–803050	2	Screw–Set
42	3256–22	2	Washer–Flat
43	3256–3	1	Washer–Flat
44	3256–4	1	Washer–Flat
45	13–2840	1	Key–Square
46	1–807272	2	Key–Machine
47	3290–357	8	Nut–HHF
48	32128–33	2	Nut–HF
49	1–805004	2	Washer–Lock
50	321–3	2	Screw–HH
51	103–2675	2	Pump, Hydraulic
*51:1	103–2664	1	Kit–Shaft, Input
*51:2	103–2665	1	Kit–Bearing, Thrust
*51:3	103–2666	1	Kit–Block, Cylinder
*51:4	105–6185	1	Plate–Valve
*51:5	105–6184	1	Kit–Overhaul, Seal
*51:7	106–2053	1	Kit–Valve, Shock

Ref. No.	Part No.	Qty.	Description

* Not illustrated



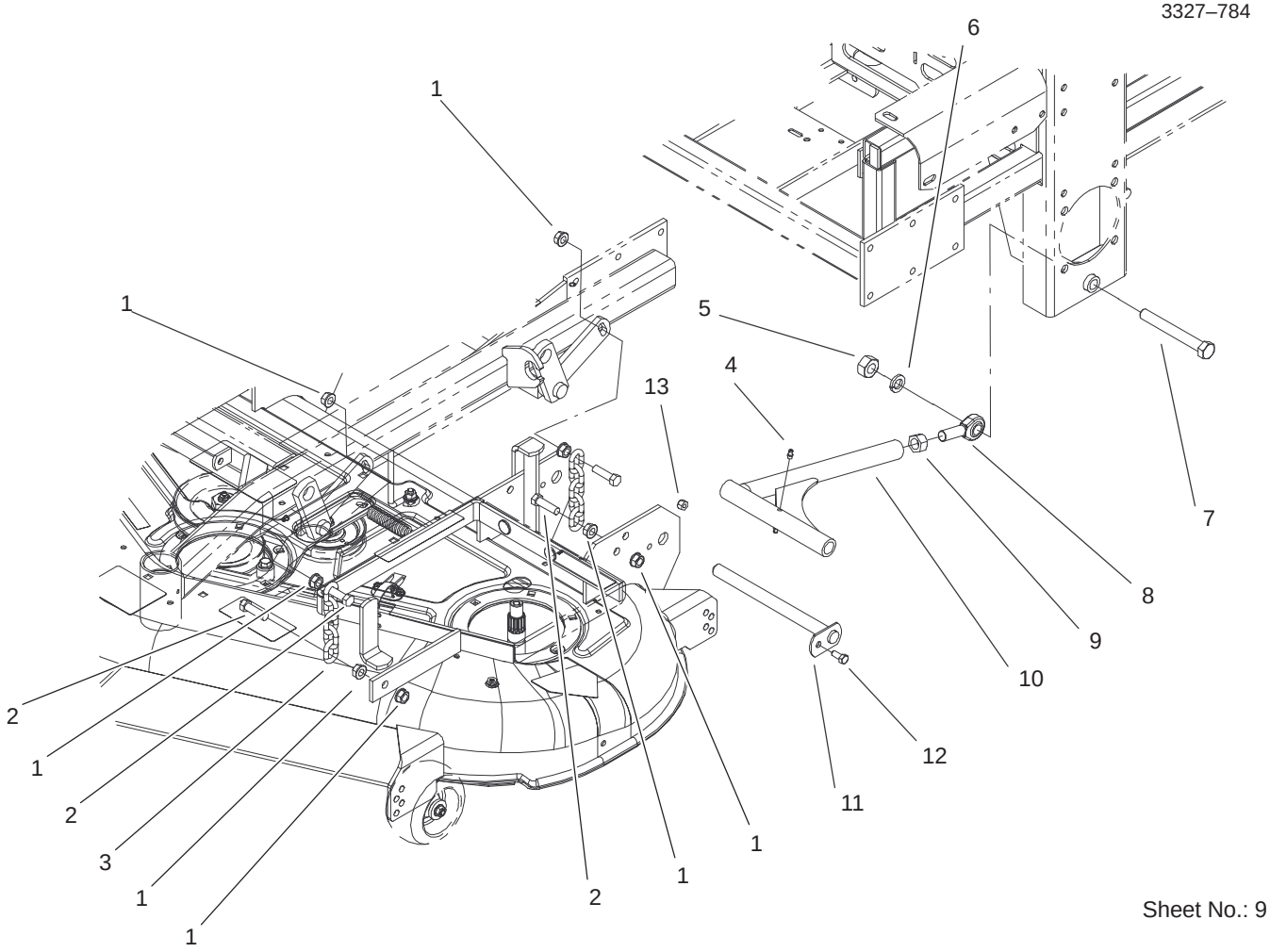
Sheet No.: 8

Seat Assembly

Ref. No.	Part No.	Qty.	Description
2	99–8522	1	Kit–Suspension, Seat
2:2	103–1227	1	Harness,Wiring Seat
2:3	1–303335	5	Tie–Plastic
2:4	1–633872–03	2	Stop–Seat
2:5	1–653282–03	2	Stop/Spacer–Seat
*2:30	1–643281	1	Switch–Seat
*2:31	1–631842	1	Kit–Pad, Armrest
*2:32	1–631843	1	Kit–Boot
*2:33	1–631844	1	Arm Kit ASM
*2:34	1–631845	1	Pan ASM
*2:35	1–631846	1	Kit–Damper
*2:36	1–631847	1	Kit–Roller
*2:37	1–631848	1	Kit–Spring & Cable
*2:38	1–631849	1	Kit–Knob & Shaft
6	1–643255	1	Track–Seat
14	1–632187–03	1	Frame–Seat
16	1–633293	1	Rod–Holdup, Seat
17	322–5	1	Screw–HH
18	323–39	2	Screw–HH
20	3296–29	1	Nut–Lock, NI
21	3296–39	2	Nut–Lock, NI
23	32128–20	4	Nut–HF
30	2412–133	2	R–Clamp
31	32144–70	2	Screw–HH
32	3256–16	2	Washer–Flat
33	74–0720	1	Tube–Manual

Ref. No.	Part No.	Qty.	Description

* Not illustrated

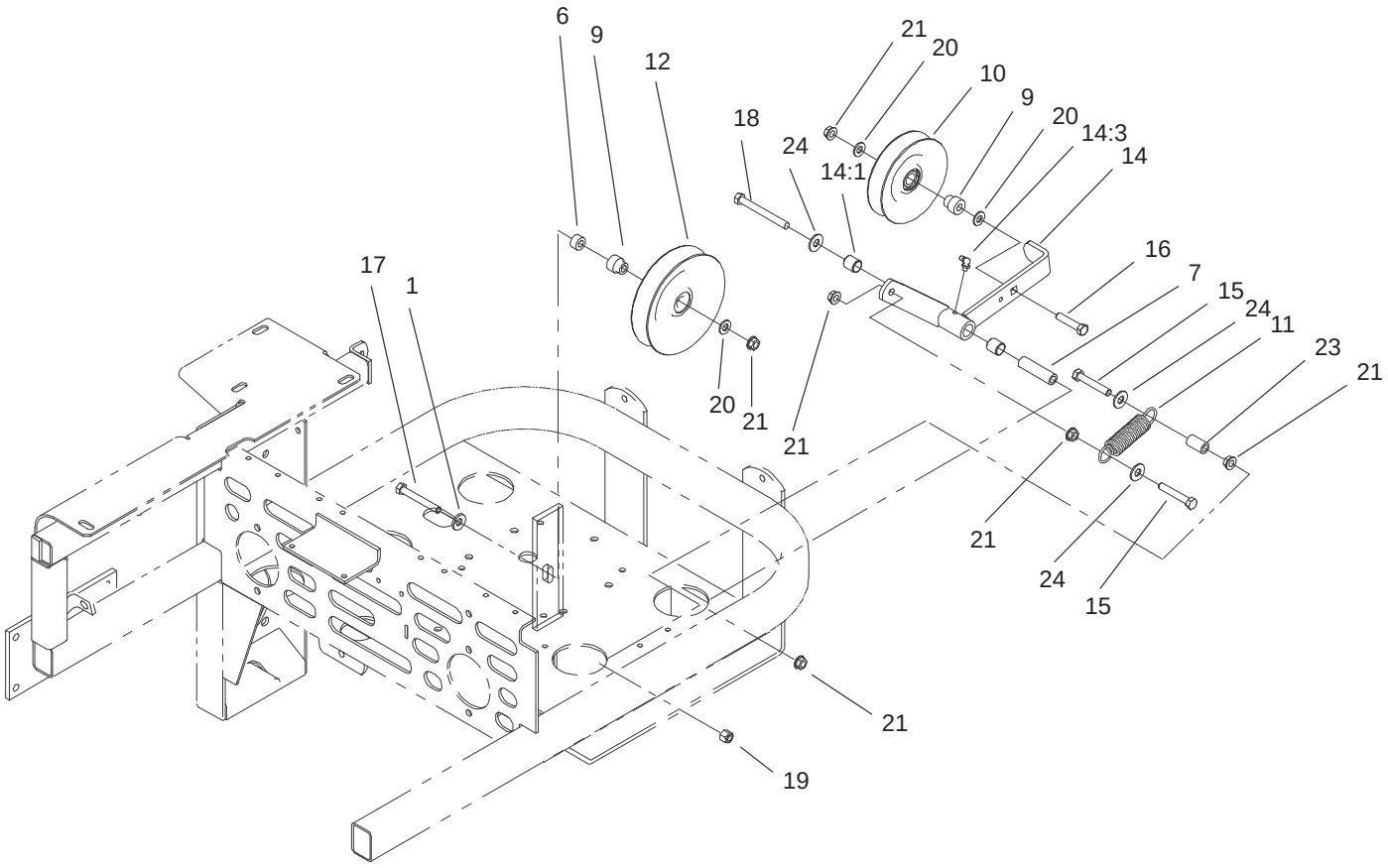


Sheet No.: 9

Deck Connection Assembly

Ref. No.	Part No.	Qty.	Description
1	32128–37	16	Nut–HF
2	1–800811	8	Screw–Cap, HH
3	1–633447	4	Chain–Lift, Deck
4	302–19	4	Fitting–Grease
5	3217–11	2	Nut–Hex
6	3253–8	2	Washer–Lock
7	327–11	2	Screw–HH
8	1–633029	2	Balljoint–Spherical
9	3219–6	2	Nut–Hex
10	103–1072–01	2	Strut–Deck
11	1–632199–01	2	Pin–Strut, Deck
12	322–3	2	Screw–HH
13	3296–29	2	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description

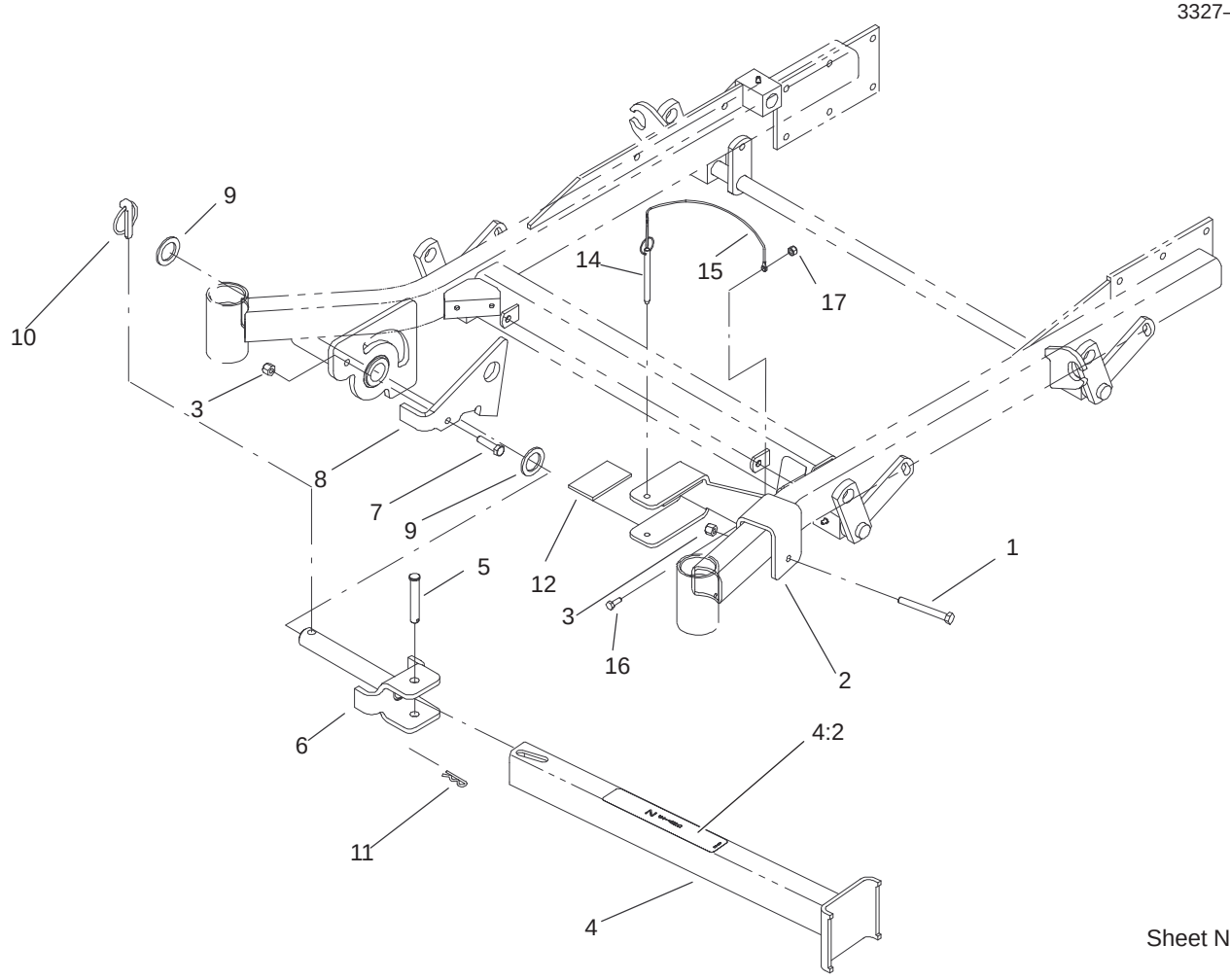


Sheet No.: 10

Drive Idler Assembly

Ref. No.	Part No.	Qty.	Description
1	98–5975	1	Washer–Belleville
6	1–603050	1	Spacer
7	1–603384	1	Bushing–Pivot, Idler
9	1–603496	2	Bushing–Idler
10	99–4638	1	Idler
11	1–603402	1	Spring–Extension
12	1–633166	1	Idler Pulley
14	99–4677	1	Idler Arm ASM
14:1	1–513034	2	Sleeve–Bearing
14:3	302–40	1	Fitting–Grease
15	323–11	2	Screw–HH
16	323–9	1	Screw–HH
17	323–13	1	Screw–HH
18	1–800805	1	Screw–HH
19	3296–39	1	Nut–Lock, NI
20	3256–24	3	Washer–Flat
21	3290–357	6	Nut–HHF
23	1–603401	1	Spacer–Fender
24	3256–4	3	Washer–Flat

Ref. No.	Part No.	Qty.	Description

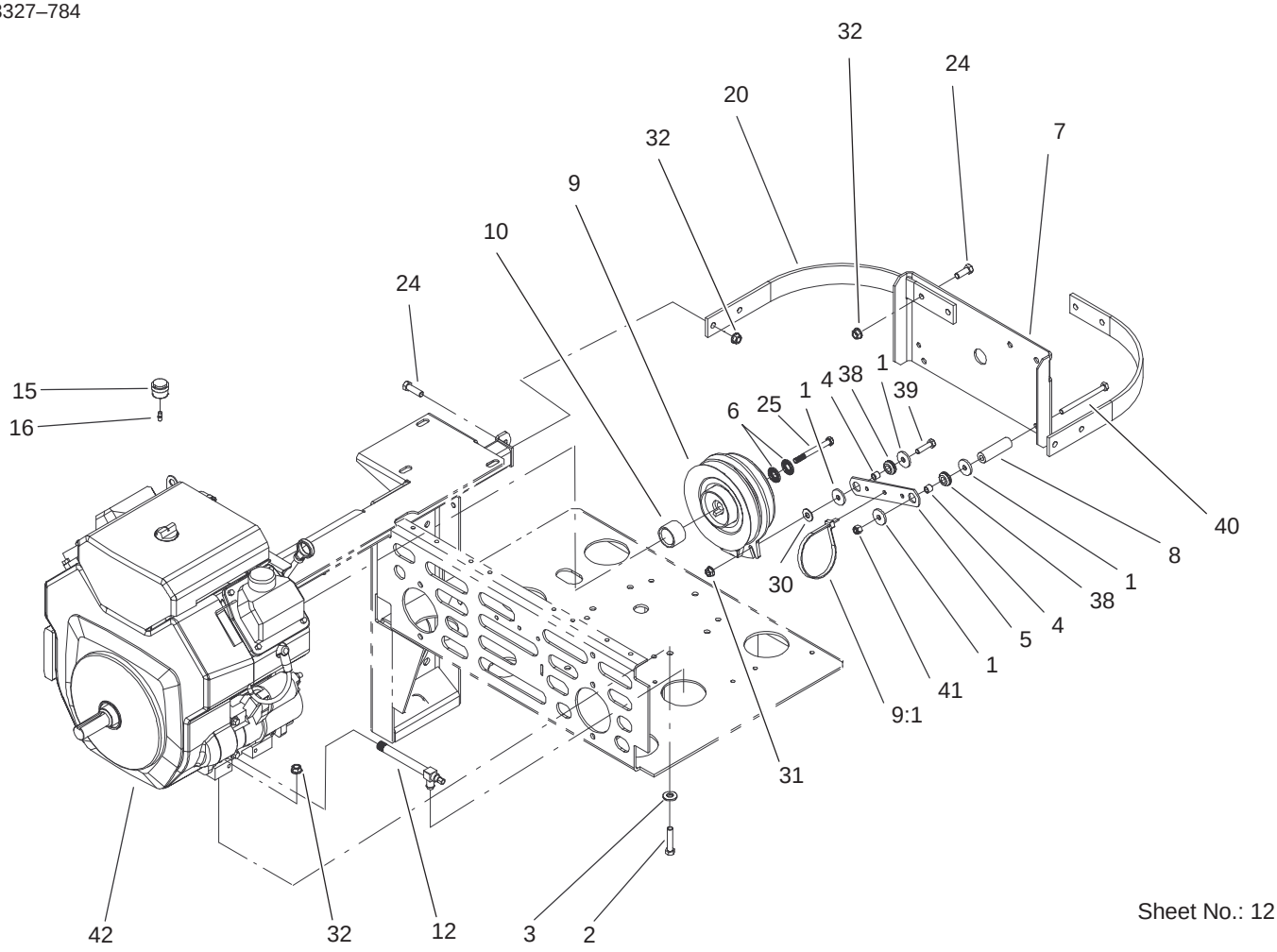


Sheet No.: 11

Z–Stand Assembly

Ref. No.	Part No.	Qty.	Description
1	323–20	1	Screw–HH
2	100–6542–01	1	Bracket–Cradle
3	3296–39	2	Nut–Lock, NI
4	100–6545	1	Leg ASM
4:2	104–7758	1	Decal–Z Stand
5	283–55	1	Pin–Clevis
6	100–9692–01	1	Pivot Pin ASM
7	323–8	1	Screw–HH
8	100–9686–01	1	Bracket–Latch
9	3–6781	2	Washer–Thrust
10	283–71	1	Pin–Lynch
11	3290–355	1	Pin–Hair
12	100–6547	2	Cushion–Rubber
14	105–1647	1	Pin–Hitch, Cotterless
15	100–9385	1	Lanyard–Nylon
16	321–4	1	Screw–HH
17	3296–42	1	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description

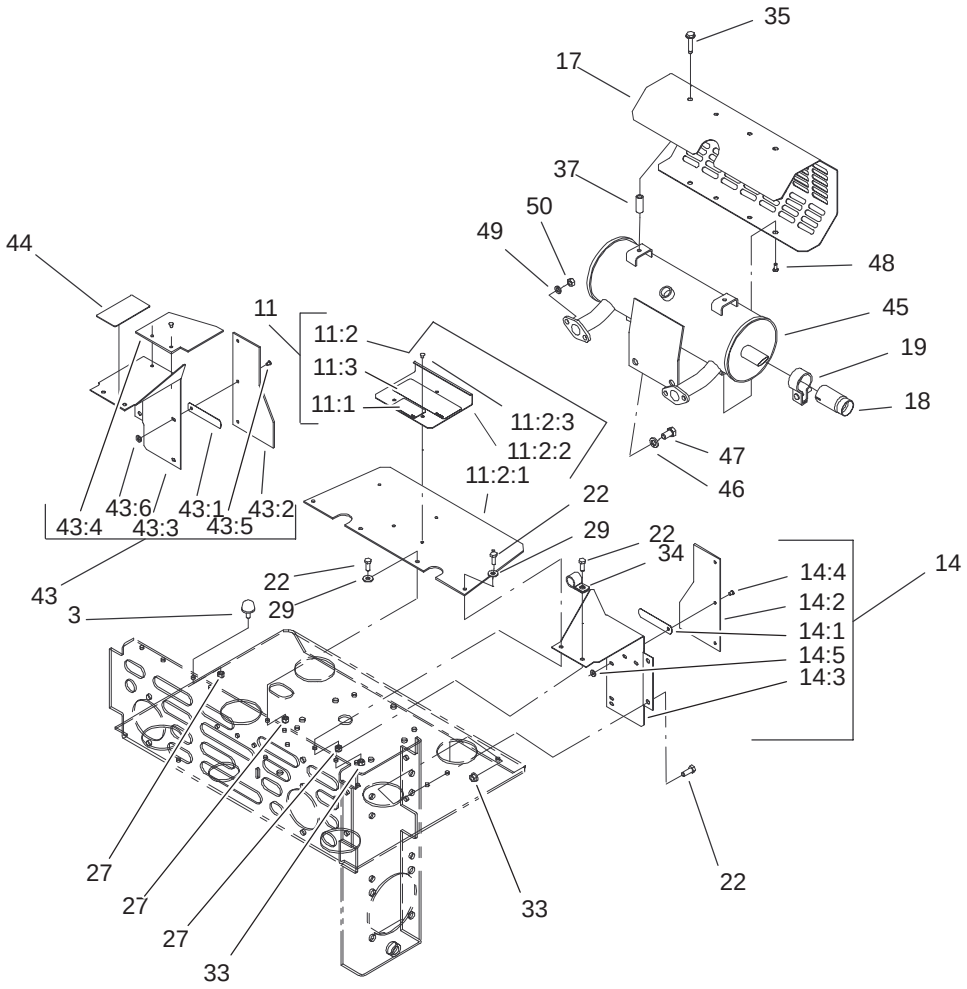


Sheet No.: 12

Engine and Clutch Assembly

Ref. No.	Part No.	Qty.	Description
1	1–613235	4	Washer
2	323–9	4	Screw–HH
3	98–5975	4	Washer–Belleville
4	1–633545	2	Spacer–Grommet
5	1–633543–03	1	Strap–Clutch, Brake
6	1–603610	2	Washer–Spring
7	1–633615–03	1	Guard–Clutch
8	1–633988	1	Spacer–Anchor, Clutch
9	103–0665	1	Clutch ASM
9:1	1–303335	1	Tie–Plastic
10	1–633179	1	Spacer–Clutch
12	103–1996	1	Valve, Oil Drain Long
15	104–7755	1	Indicator–Filter, Air
16	94–1416	1	Indicator Adapter ASM
20	1–643264–03	2	Bracket–Guard, Top
24	323–6	6	Screw–HH
25	3212–10	1	Screw–HH
30	3256–3	1	Washer–Flat
31	32128–20	1	Nut–HF
32	3290–357	4	Nut–HHF
38	1–633630	2	Grommet–Brake
39	322–6	1	Screw–HH
40	322–19	1	Screw–HH
41	3296–29	1	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description

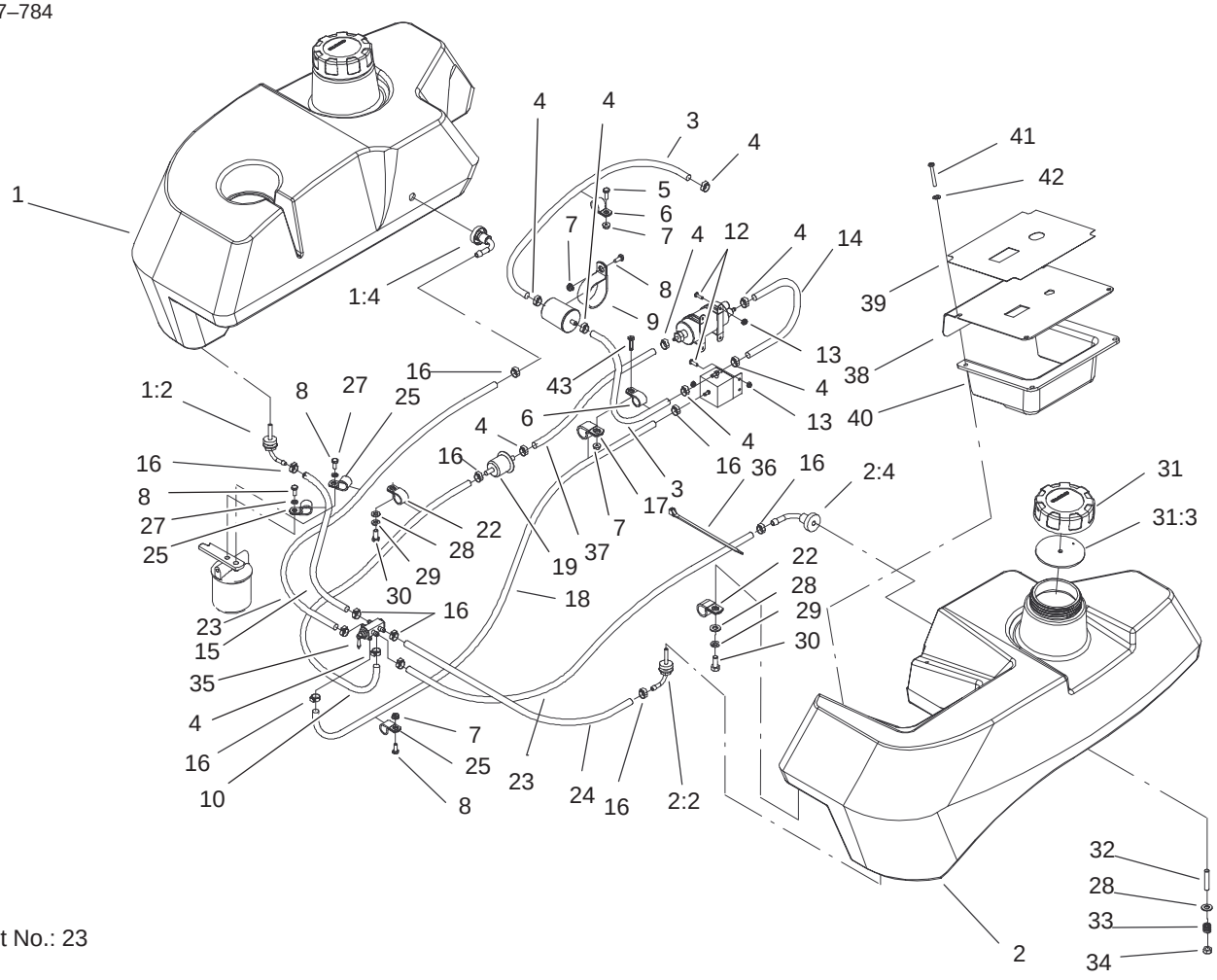


Sheet No.: 13

Guard Assembly

Ref. No.	Part No.	Qty.	Description
3	1–523420	2	Bumper
11	1–644276	1	Shield ASM
11:1	1–633462	1	Decal–Important
11:2	1–634308	1	Shield/Lift ASM
11:2:1	103–1308	1	Shield–Engine
11:2:2	1–633300–03	1	Lift–Shield
11:2:3	1–803035	3	Rivet–Pop
11:3	103–0368	1	Decal–Devices, Rotating
14	1–634796	1	LH Shield ASM
14:1	1–523285	1	Clip–Baffle, Rear
14:2	1–633301	1	Shield–Engine
14:3	1–633795–03	1	Baffle–Engine Shield, LH
14:4	1–803035	3	Rivet–Pop
14:5	3256–63	3	Washer–Flat
17	1–643313–03	1	Guard–Muffler
18	103–1513	1	Arrester–Spark
19	103–1514	1	Clamp–Muffler
22	321–4	10	Screw–HH
27	3296–42	7	Nut–Lock, NI
29	3256–2	4	Washer–Flat
33	32128–33	6	Nut–HF
34	1–633396	1	Clip–Loom
35	1–809108	2	Screw–HWH
37	1–323236	2	Spacer

Ref. No.	Part No.	Qty.	Description
43	1–644316	1	RH Shield ASM
43:1	1–523285	1	Clip–Baffle, Rear
43:2	1–633301	1	Shield–Engine
43:3	1–633794–03	1	Baffle–Engine Shield, RH
43:4	1–643315	1	Baffle–Cooler, Engine
43:5	1–803035	5	Rivet–Pop
43:6	3256–63	5	Washer–Flat
44	1–643339	1	Decal–Routing, Belt
45	103–2430	1	Luffler
46	3253–6	2	Washer–Lock
47	324–2	2	Screw–HH
48	9266934	2	Screw
49	1–805005	4	Washer–Lock
50	33014–00	4	Nut–Hex

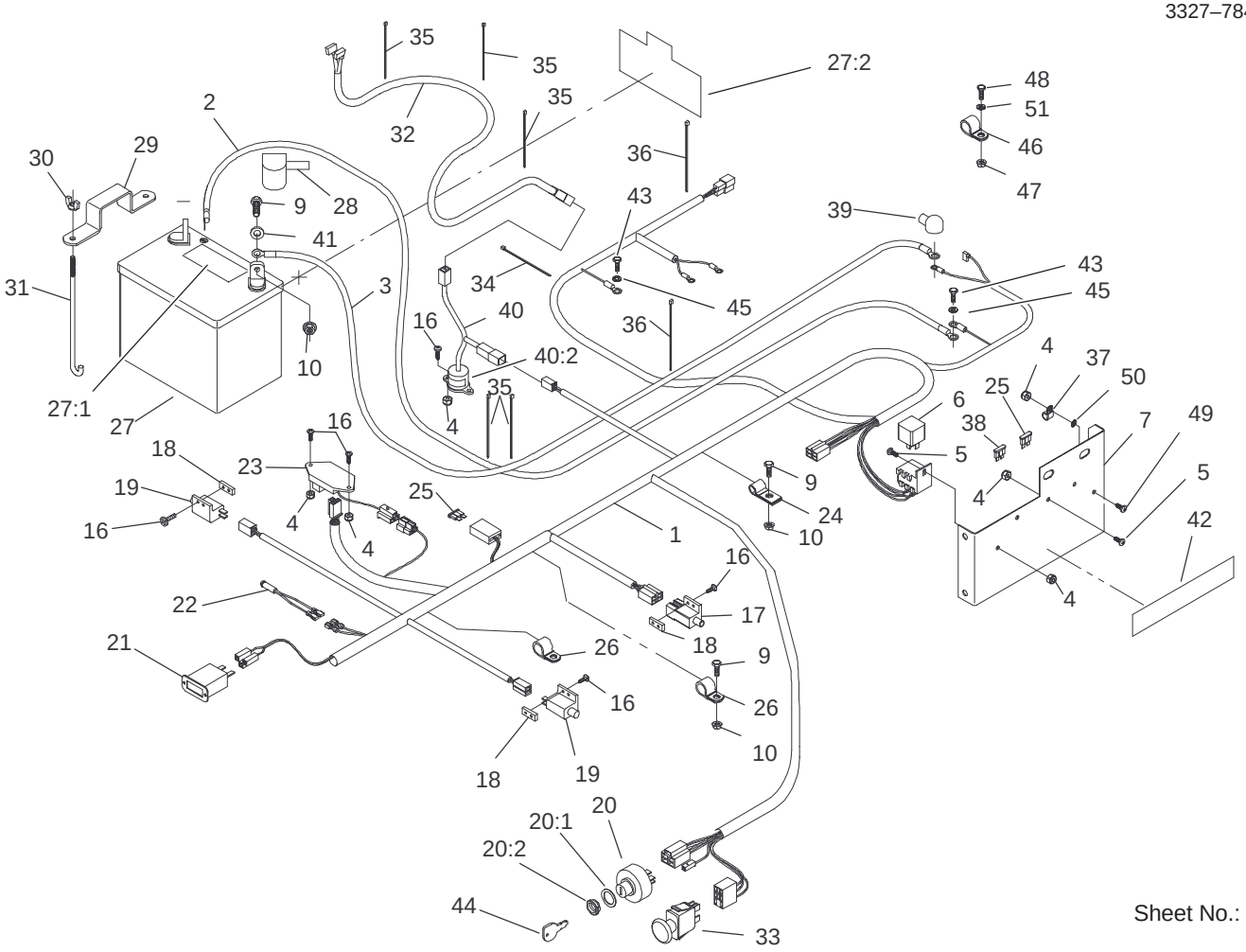


Sheet No.: 23

Fuel System Assembly

Ref. No.	Part No.	Qty.	Description
1	105–3626	1	ASM, Tank–Fuel RH
1:2	103–2605	1	Fitting–Fuel, Bulkhead
1:4	103–2615	1	Fitting–Fuel, Bulkhead
2	105–3627	1	ASM, Tank–Fuel LH
2:2	103–2605	1	Fitting–Fuel, Bulkhead
2:4	103–2615	1	Fitting–Fuel, Bulkhead
3	103–2491	2	Hose–Fuel
4	1–643277	8	Clamp–Hose, Fuel
5	321–4	1	Screw–HH
6	1–603727	2	Clip–Loom
7	32128–33	4	Nut–HF
8	321–3	3	Screw–HH
9	1–643241	1	Clip–Loom
10	1–603955	1	Hose–Line, Fuel
12	3290–500	6	Screw–PPH
13	3296–2	6	Nut–Lock
14	103–2490	1	Hose–Fuel
15	103–2885	1	Hose–Fuel
16	1–643293	12	Clamp–Hose, Fuel
17	1–643312	1	Clip–Loom
18	103–2492	1	Hose–Fuel
19	103–2595	1	Connector
22	103–0373	1	Clip
23	103–0216	2	Hose–Fuel
24	1–543456	1	Hose–Fuel
25	1–513762	3	Clip–Loom

Ref. No.	Part No.	Qty.	Description
27	1–805004	2	Washer–Lock
28	3256–23	8	Washer–Flat
29	1–805005	2	Washer–Lock
30	322–3	2	Screw–HH
31	88–3980	2	Gas Cap ASM
31:3	88–4010	1	Gasket–Cap, Gas
32	1–633023	6	Stud
33	1–633349	6	Spring–Tank, Fuel
34	3296–47	6	Nut–Lock, NI
35	1–643234	1	Valve–Fuel, Dual Flow
36	1–303287	1	Tie–Plastic
37	1–643239	1	Hose–Fuel
38	99–4656–03	1	Panel–Control
39	99–4632	1	Decal–Panel, Control
40	99–4940	1	Shield–Panel, Control
41	1–803071	4	Screw
42	1–303435	4	Washer–Spring
43	321–6	1	Screw–HH

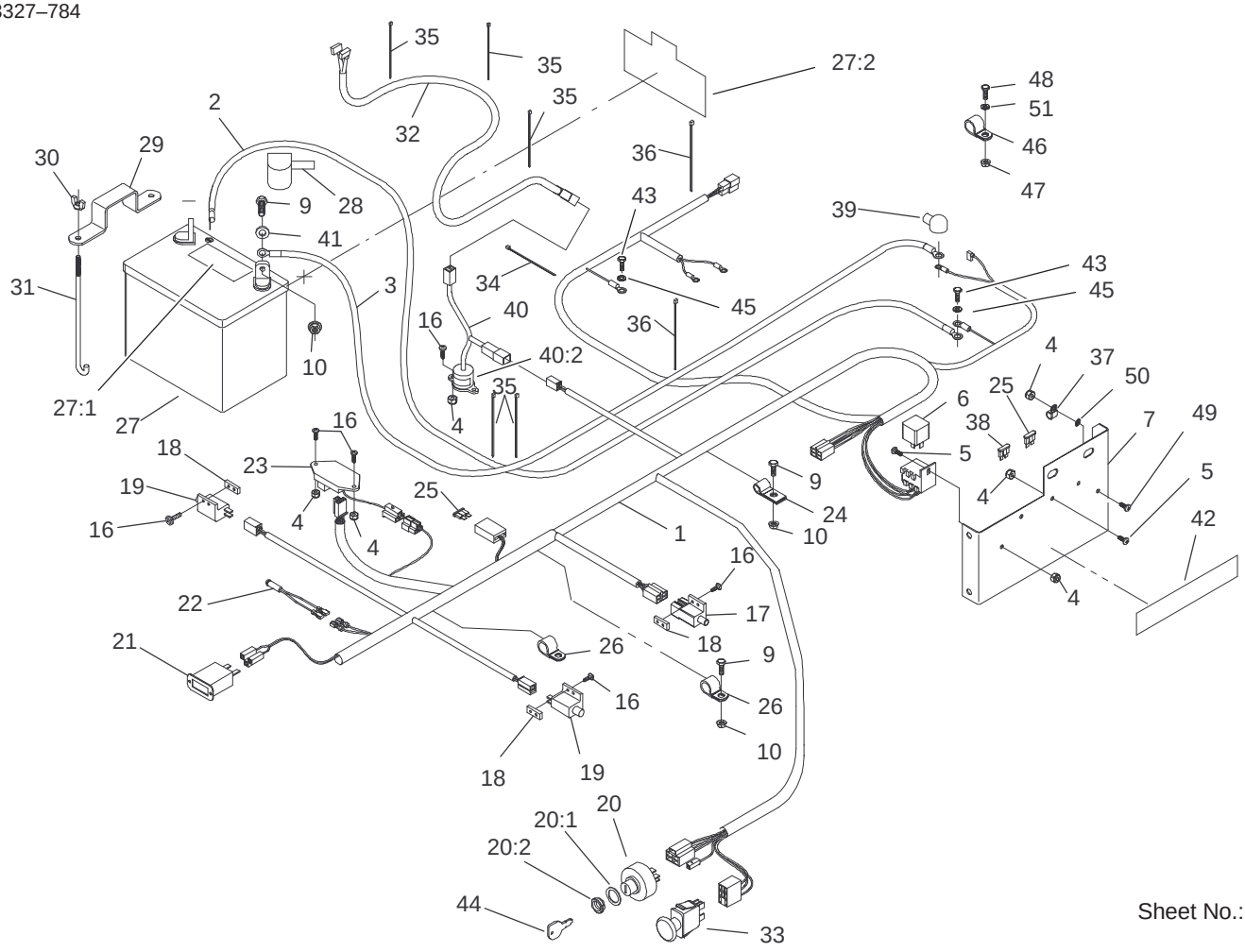


Sheet No.: 28

Electrical System Assembly

Ref. No.	Part No.	Qty.	Description
1	100–4339	1	Harness–Wire
2	1–633307	1	Wire–Ground
3	1–523279	1	Wire–Battery, Positive
4	3296–2	10	Nut–Lock
5	1–803071	4	Screw
6	1–643275	1	Relay
7	103–2549–03	1	Panel–Fuse, Ecu Mount
9	321–4	6	Screw–HH
10	32128–33	6	Nut–HF
16	3290–500	8	Screw–PPH
17	1–633111	1	Switch
18	1–633181	3	Plate–Tapped
19	1–513051	2	Switch–Open, Normally
20	88–9830	1	Key Switch ASM
20:1	3254–5	1	Washer–Lock, Internal
20:2	218–461	1	Nut–HH
21	1–513374	1	Meter–Hour
22	1–643267	1	Indicator–Led, Red
23	100–6186	1	Module–Delay, Seat
24	1–513762	2	Clip–Loom
25	1–816001	2	Fuse–Type, Blade
26	103–0373	1	Clip
27	105–1692	1	Battery
27:1	104–4163	1	Decal–Battery

Ref. No.	Part No.	Qty.	Description
27:2	104–4164	1	Decal–Battery
28	1–543391	1	Insulator–Battery
29	1–633652–03	1	Strap–Holddown, Battery
30	1–543792	2	Wingnut
31	1–633651	2	Bolt–Holddown
32	103–1227	1	Harness,Wiring Seat
33	1–633673	1	Switch–Delta
34	1–303287	1	Tie–Plastic
35	1–303335	5	Tie–Plastic
36	1–643115	2	Tie–Plastic
37	1–323229	1	Clip–Loom
38	1–816002	1	Fuse–Blade Type, 10 Amp
39	1–543393	1	Insulator–Solenoid
40	1–644427	1	Tilt Switch ASM
40:2	1–643401	1	Decal–Switch, Mercury
41	3256–2	2	Washer–Flat
42	1–643288	1	Decal–Fuse/Relay
43	33114–016	2	Screw–HH
44	63–8360	2	Key–Ignition
45	3256–23	2	Washer–Flat
46	1–643312	1	Clip–Loom
47	3296–42	1	Nut–Lock, NI
48	321–6	1	Screw–HH



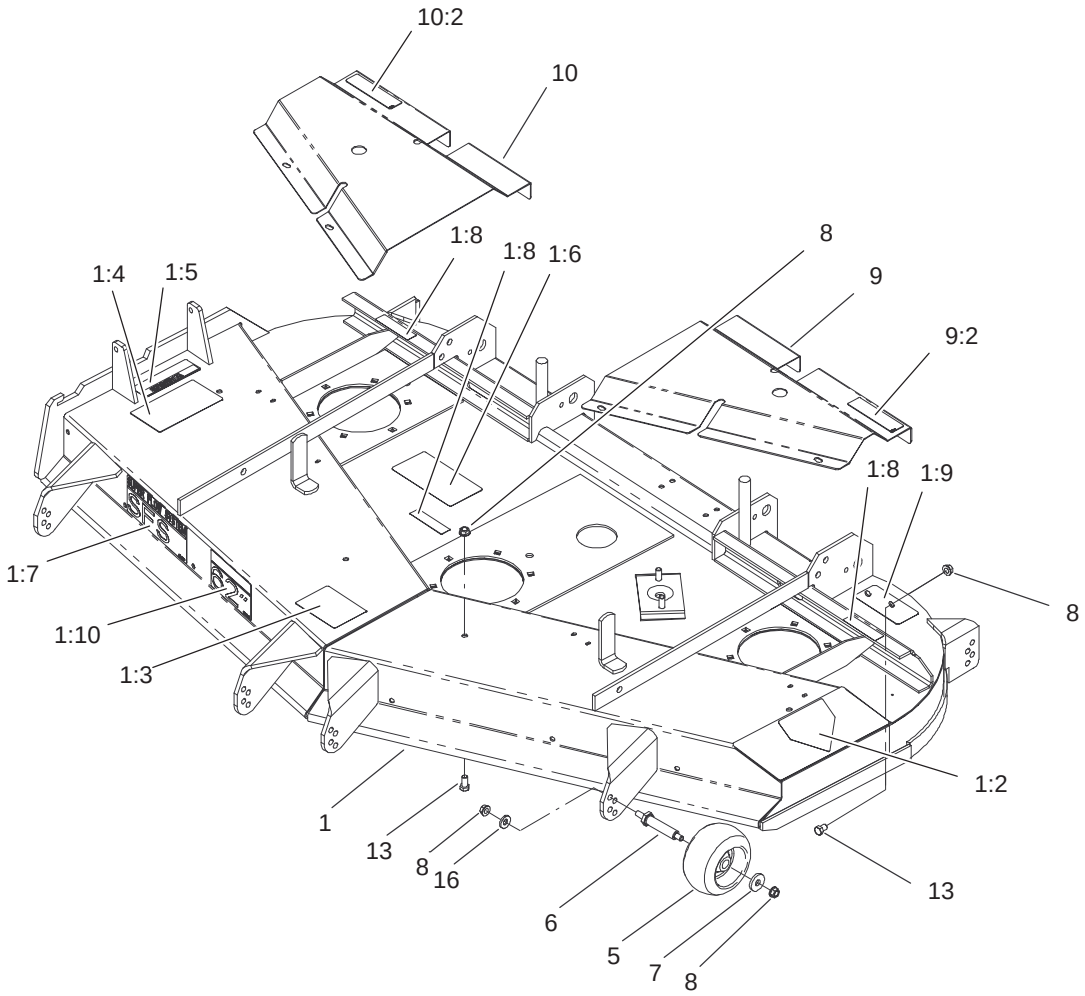
Sheet No.: 28

Electrical System Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
49	32105–20	2	Screw–HH
50	3256–14	2	Washer–Flat
51	3256–22	2	Washer–Flat
*99	1–816003	1	Fuse–Blade Type, 30 Amp

Ref. No.	Part No.	Qty.	Description

* Not illustrated

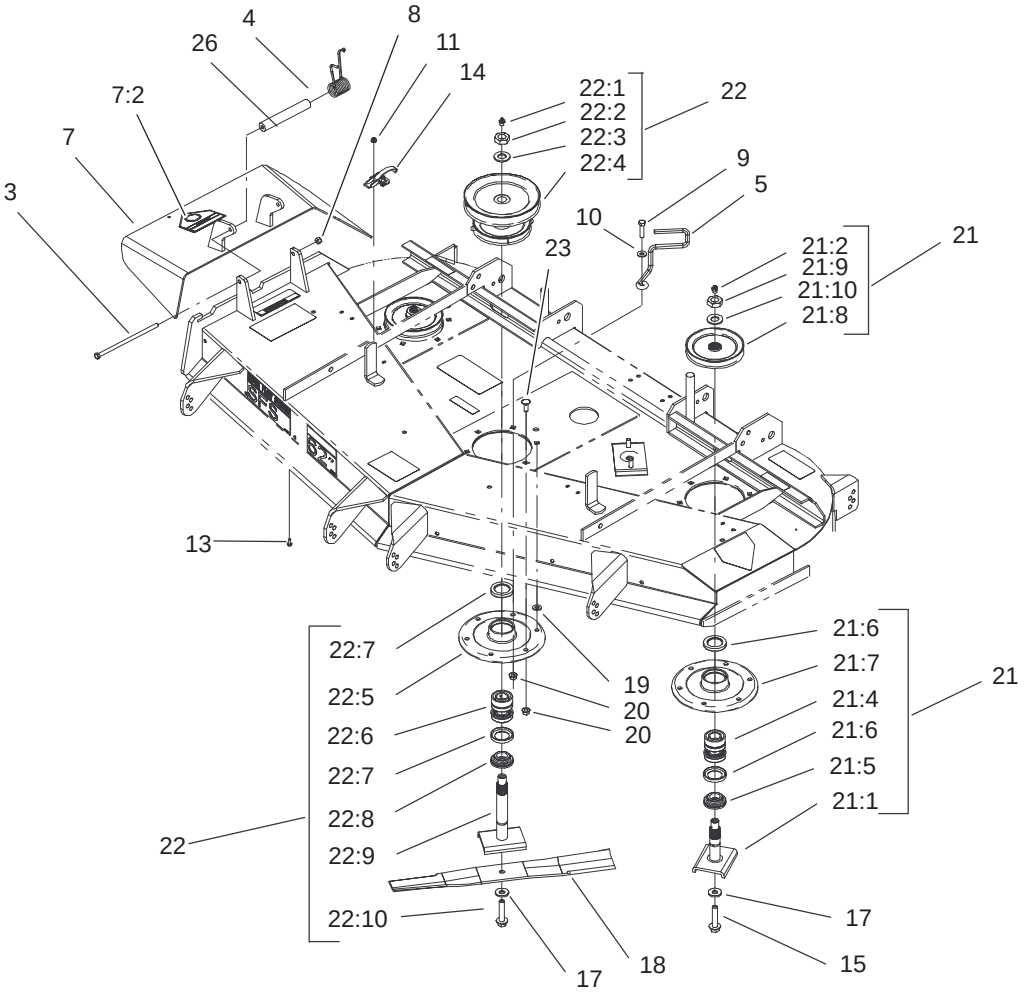


Sheet No.: 61

Deck, Deflector and Roller Assembly

Ref. No.	Part No.	Qty.	Description
1	105–1697	1	Deck Service ASM
1:2	43–8480	1	Decal–Danger
1:3	98–3798	1	Decal–Wheel, Gage
1:4	66–1340	1	Decal–Danger
1:5	104–8569	1	Decal–Warning, Deflector
1:6	99–4686	1	Decal–Routing, Belt
1:7	99–4619	1	Decal–Sfs
1:8	98–5954	3	Decal–Missing, Cover
1:9	93–7818	1	Decal–Torque, Blade Bolt
1:10	99–4620	1	Decal–Deck
5	68–2730	6	Wheel–Gage
6	99–2842	6	Spacer–Wheel
7	1–373034	6	Washer–Swivel
8	3290–357	18	Nut–HHF
9	98–5955	1	LH Cover ASM
9:2	67–5360	1	Decal–Danger
10	98–5956	1	RH Cover ASM
10:2	67–5360	1	Decal–Danger
13	323–2	8	Screw–HH
16	98–5975	6	Washer–Belleville

Ref. No.	Part No.	Qty.	Description

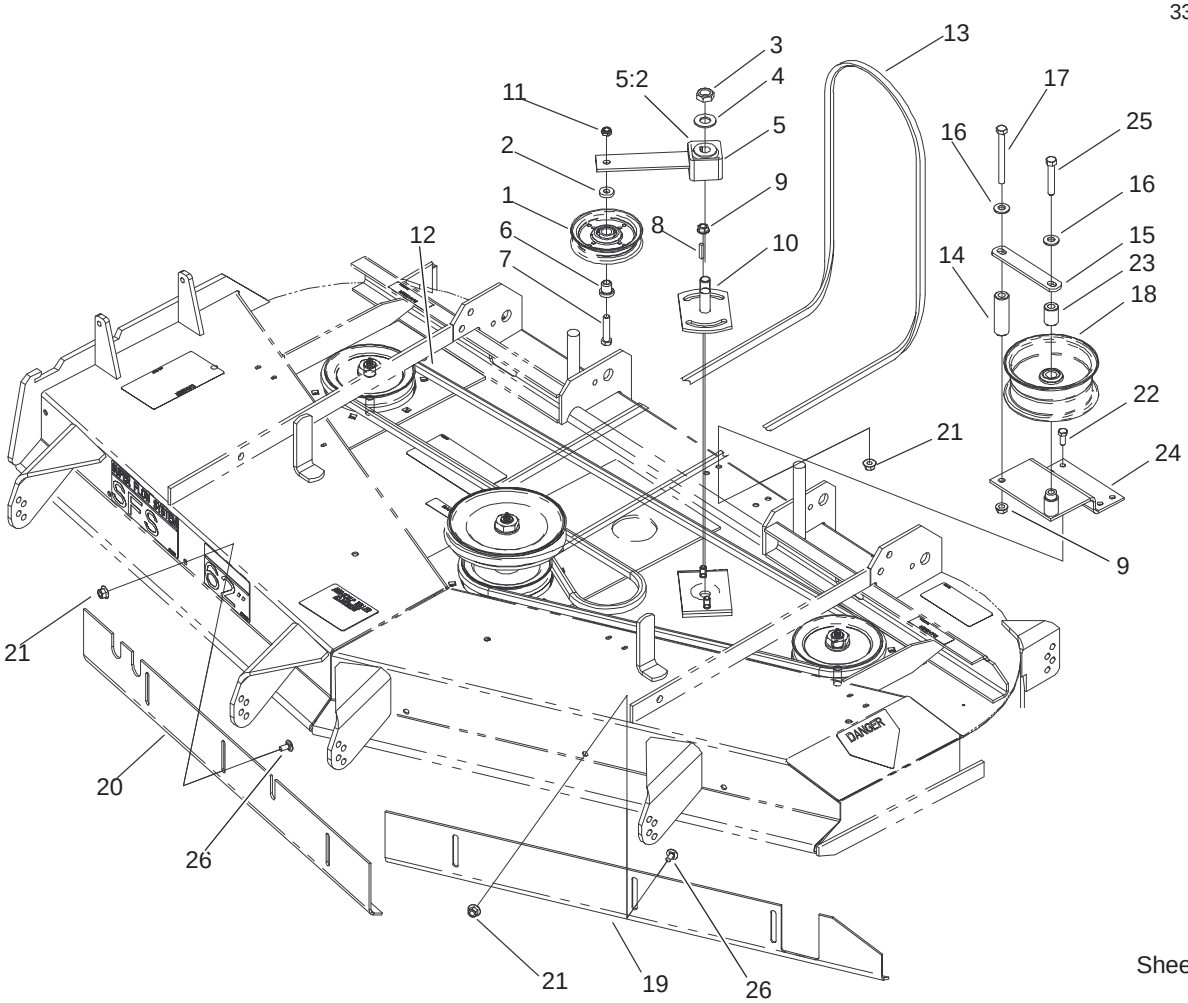


Sheet No.: 62

Spindle and Pulley Assembly

Ref. No.	Part No.	Qty.	Description
3	322–50	1	Screw–Cap
4	104–8554	1	Spring–Torsion
5	99–8933	1	Guide–Belt
7	105–3605	1	Deflector ASM
7:2	54–9220	1	Decal–Danger
8	3296–29	1	Nut–Lock, NI
9	323–8	1	Screw–HH
10	3256–3	1	Washer–Flat
11	32128–17	8	Nut–Lock, Flange
13	3290–321	8	Screw–HWH
14	249–21	4	Clamp–Slotted
15	92–5816	2	Bolt–Blade
17	1–513435	3	Washer–Spring
18	44–6250	3	Blade
19	3256–24	1	Washer–Flat
20	32128–21	18	Nut–HF
21	99–4640	2	Outer Spindle ASM
21:1	27–0920	1	Shaft–Spindle
21:2	302–2	1	Fitting–Grease
21:4	46–8530	1	Bearing ASM
21:5	27–0950	1	Spacer–Bearing, Spindle
21:6	253–139	2	Seal–Oil
21:7	61–4160	1	Housing–Spindle
21:8	99–4614	1	Pulley & Hub
21:9	32146–20	1	Nut–Jam

Ref. No.	Part No.	Qty.	Description
21:10	7–4150	1	Washer–Pinion
22	105–1689	1	Spindle Housing ASM
22:1	302–2	1	Fitting–Grease
22:2	32146–20	1	Nut–Jam
22:3	92–5836	1	Washer–Axle
22:4	100–4307	1	Pulley–Hub ASM
22:5	61–4160	1	Housing–Spindle
22:6	46–8530	1	Bearing ASM
22:7	253–139	2	Seal–Oil
22:8	27–0950	1	Spacer–Bearing, Spindle
22:9	105–1686	1	Spindle Shaft ASM
22:10	92–5816	1	Bolt–Blade
23	3231–22	17	Screw–CARR
26	105–4622	1	Spacer–Mounting, Deflector

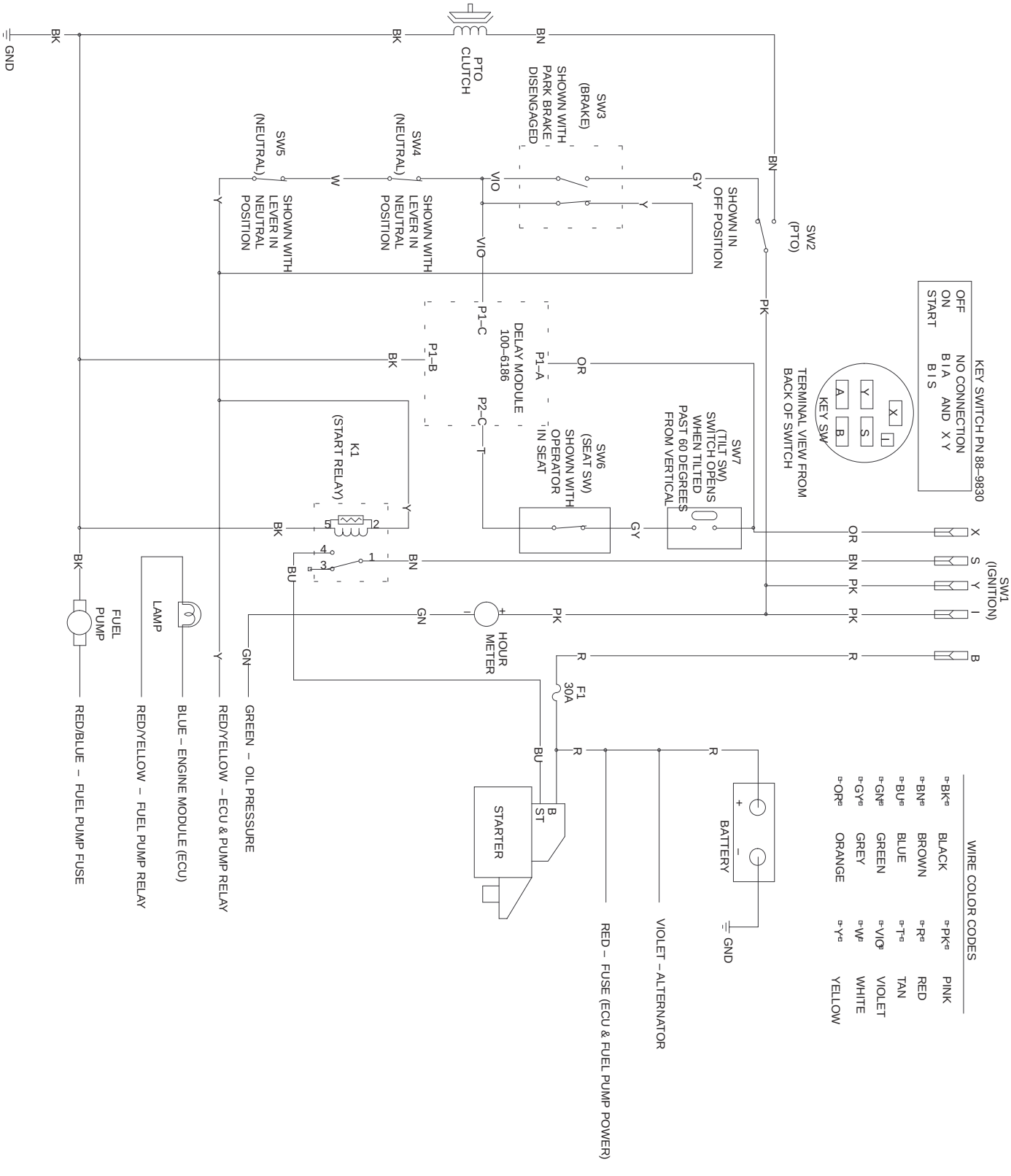


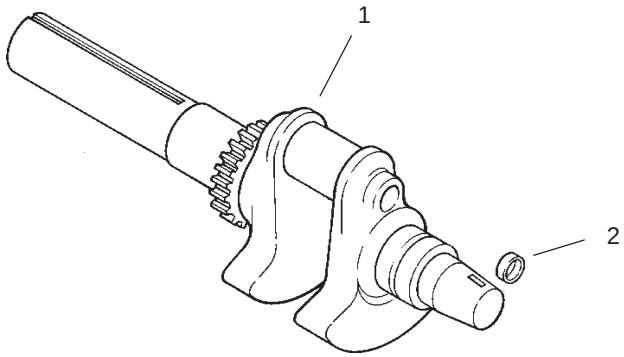
Sheet No.: 63

Belt and Idler Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	65–5940	1	Pulley–Idler
2	7–0081	1	Washer–Flat
3	3296–71	1	Nut–Lock NI
4	3256–27	1	Washer–Flat
5	27–8580	1	Idler Socket & Bushing ASM
5:2	27–8490	1	Bushing–Rubber, Idler
6	65–5950	1	Bushing–Pulley
7	3211–8	1	Screw–HH
8	5–1077	1	Key–Square
9	3290–357	3	Nut–HHF
10	44–6301	1	Plate–Idler, LH
11	3296–5	1	Nut–Lock, NI
12	44–6260	1	V–Belt
13	99–4647	1	V–Belt–Drive, Deck
14	99–4659	1	Spacer–Bracket
15	1–653189	1	Plate–Guide, Belt
16	98–5975	2	Washer–Belleville
17	323–42	1	Screw–HH
18	1–413099	1	Pulley–Idler
19	99–2833–03	1	Baffle–Front, LH
20	99–2834–03	1	Baffle–Front, RH
21	32128–20	10	Nut–HF
22	322–3	4	Screw–HH
23	1–653190	1	Spacer
24	99–4684–01	1	Bracket–Pulley
25	323–11	1	Screw–HH
26	3230–18	6	Screw–CARR

Electrical Schematic



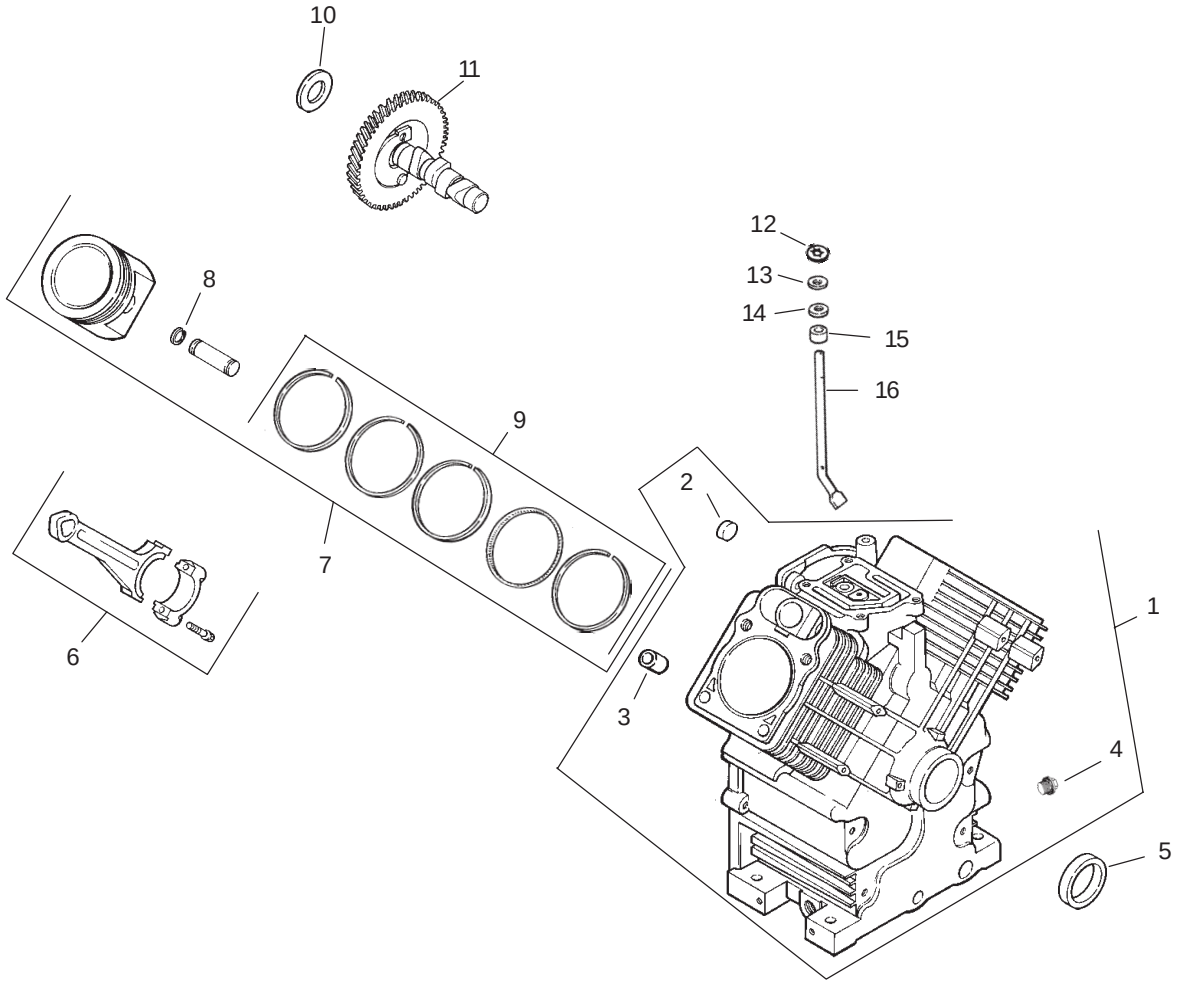


Group 1 – Crankshaft Assembly
Kohler CH26S–78518

Ref. No.	Part No.	Qty.	Description
1	24 014 06–S	1	Crankshaft (Includes 2)
2	52 139 09–S	1	Plug, cup

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kohler



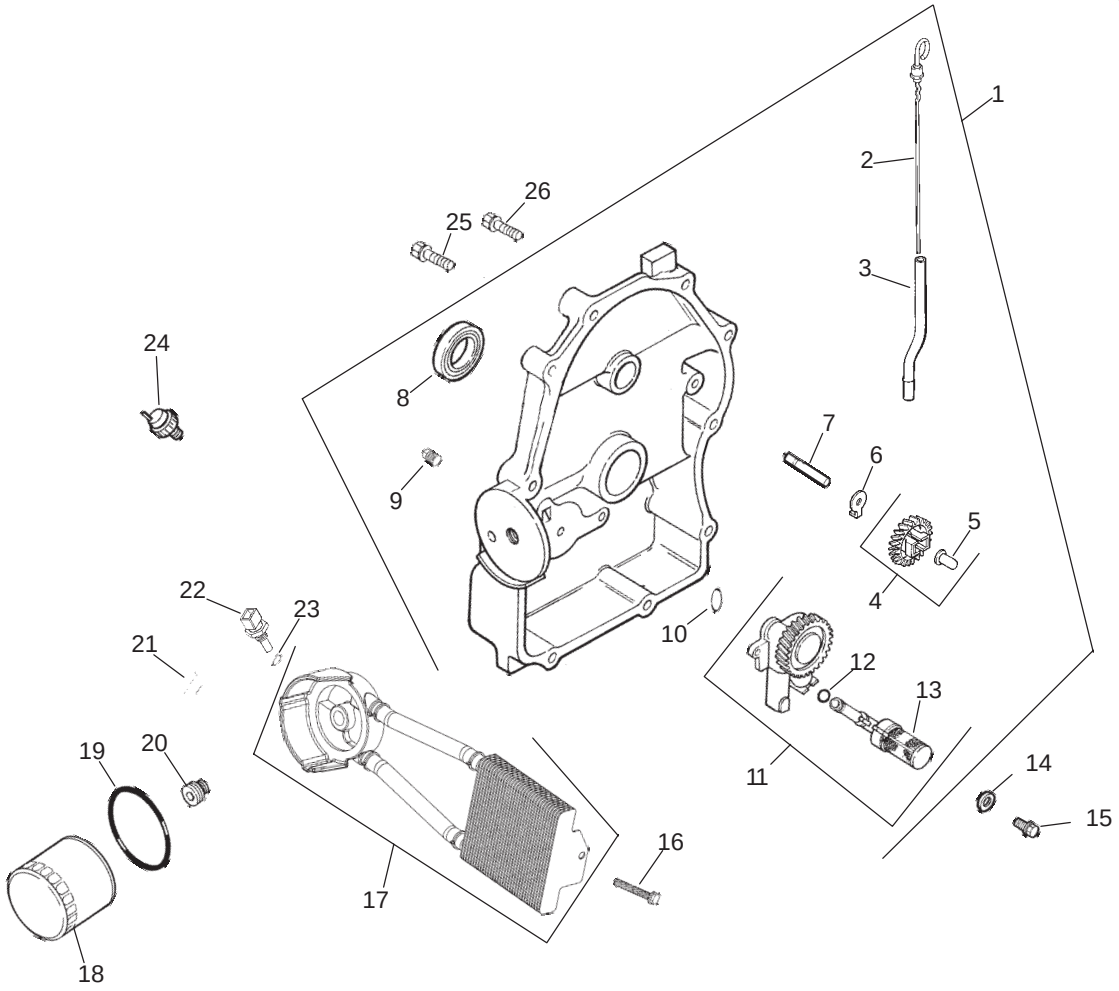
Group 2 – Crankcase Assembly
Kohler CH26S–78518

Ref. No.	Part No.	Qty.	Description
1	24 561 138–S	1	Kit, service crankcase (Includes 2,4,16, & 24 113 56–S)
2	25 139 57–S	2	Plug, pipe 3/8”
3	24 032 01–S	1	Seal, oil front
4	24 380 13–S	6	Pin, locating (6)
5	24 067 13–S	2	Connecting Rod (Std.)
	24 067 14–S	2	Connecting Rod (.25) (2)
6	24 874 06–S	2	Piston w/Ring Set (Std.) (2) (Includes 7,8)
7	24 018 01–S	4	Retainer, piston pin
8	24 108 04–S	2	Ring Set (Std.)
9	12 422 09–S	A.R.	Shim, camshaft – red
	12 422 13–S	A.R.	Shim, camshaft – black
	12 422 07–S	A.R.	Shim, camshaft – white
	12 422 08–S	A.R.	Shim, camshaft – blue
	12 422 10–S	1	Shim, camshaft – yellow
	12 422 11–S	A.R.	Shim, camshaft – green
	12 422 12–S	A.R.	Shim, camshaft – gray
10	24 012 10–S	1	Camshaft

Ref. No.	Part No.	Qty.	Description
11	24 018 09–S	1	Retainer, ring
12	M–931010–S	1	Washer, plain 9 mm
13	24 468 15–S	1	Washer, plain 1/4”
14	28 032 09–S	1	Seal, governor cross shaft
15	24 144 33–S	1	Shaft, governor cross
16	52 139 09–S	1	Plug, cup
*	24 113 56–S	1	Decal, service crankcase

* Not Illustrated

Obtain Parts From Kohler



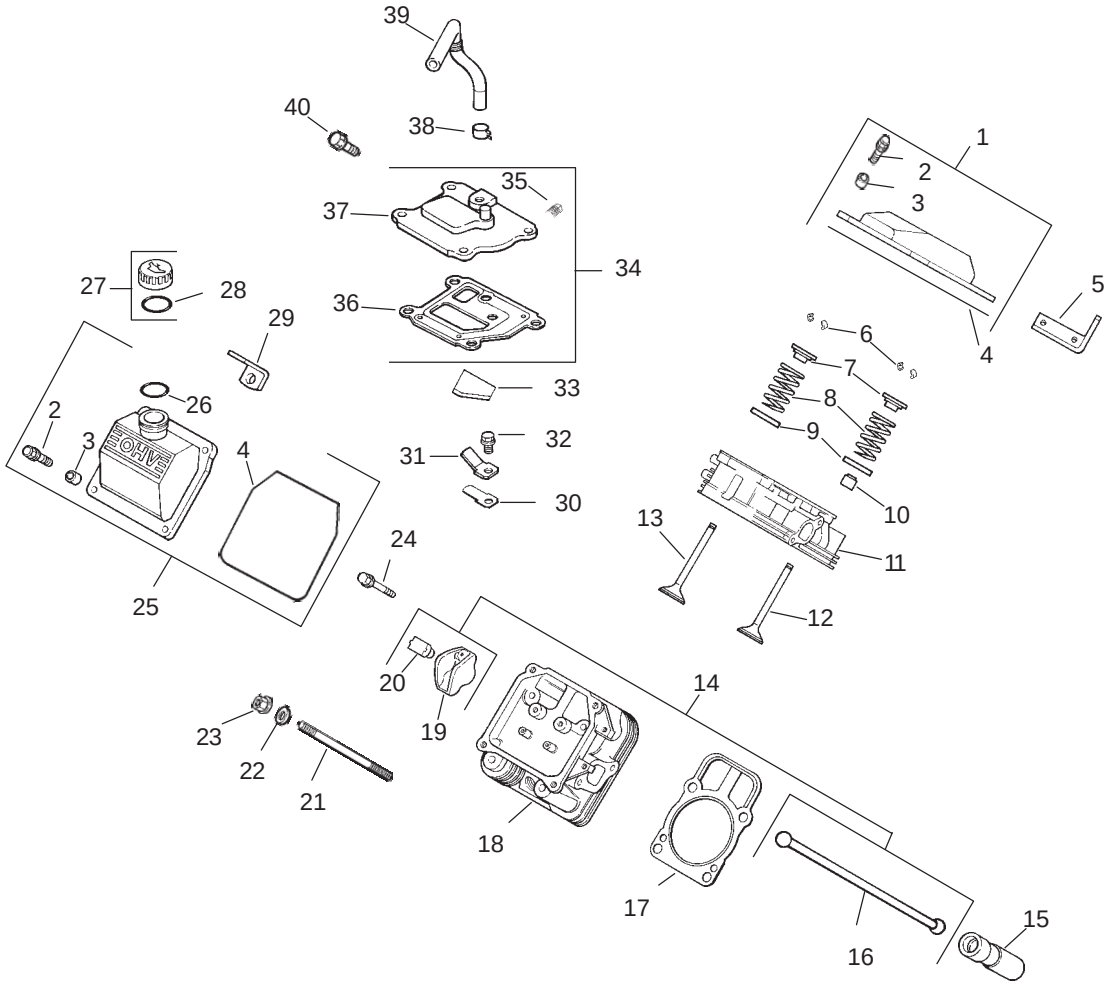
Group 3 – Oil Pan Assembly
Kohler CH26S–78518

Ref. No.	Part No.	Qty.	Description
1	24 009 83–S	1	Plate, closure assembly (Includes 2–13)
2	24 038 10–S	1	Dipstick
3	24 755 121–S	1	Tube, dipstick
4	24 043 12–S	1	Kit, governor gear (Includes 5)
5	12 380 01–S	1	Pin, governor regulating
6	52 448 02–S	1	Tab, locking
7	12 144 02–S	1	Shaft, governor gear
8	52 032 08–S	1	Seal, oil (PTO end)
9	25 139 60–S	2	Plug, allen hd. pipe 1/8”
10	24 153 08–S	1	O–Ring
11	24 393 10–S	1	Oil pump assembly (Includes 12,13)
12	24 153 01–S	1	O–Ring, oil pick–up
13	24 381 04–S	1	Pick–up, oil
14	M–631005–S	2	Washer, plain 6 mm
15	M–645025–S	2	Screw, hex. flange M6x1.0x25
16	25 086 49–S	2	Screw, tapping
17	24 594 13–S	1	Cooler, oil

Ref. No.	Part No.	Qty.	Description
18	52 050 02–S	1	Filter, oil
19	24 153 13–S	1	O–Ring
20	28 136 01–S	1	Nipple, oil filter
21	24 100 01–S	2	Nut, plastic
22	24 418 07–S	1	Sensor, temperature
23	12 153 04–S	1	O–Ring, oil temperature sensor
24	24 099 03–S	1	Switch, pressure
25	24 086 16–S	9	Screw, hex. flange M8x1.25x45
26	24 086 17–S	1	Screw, hex. flange M8x1.25x45
*	24 113 25–S	1	Decal, oil cooler

* Not Illustrated

Obtain Parts From Kohler

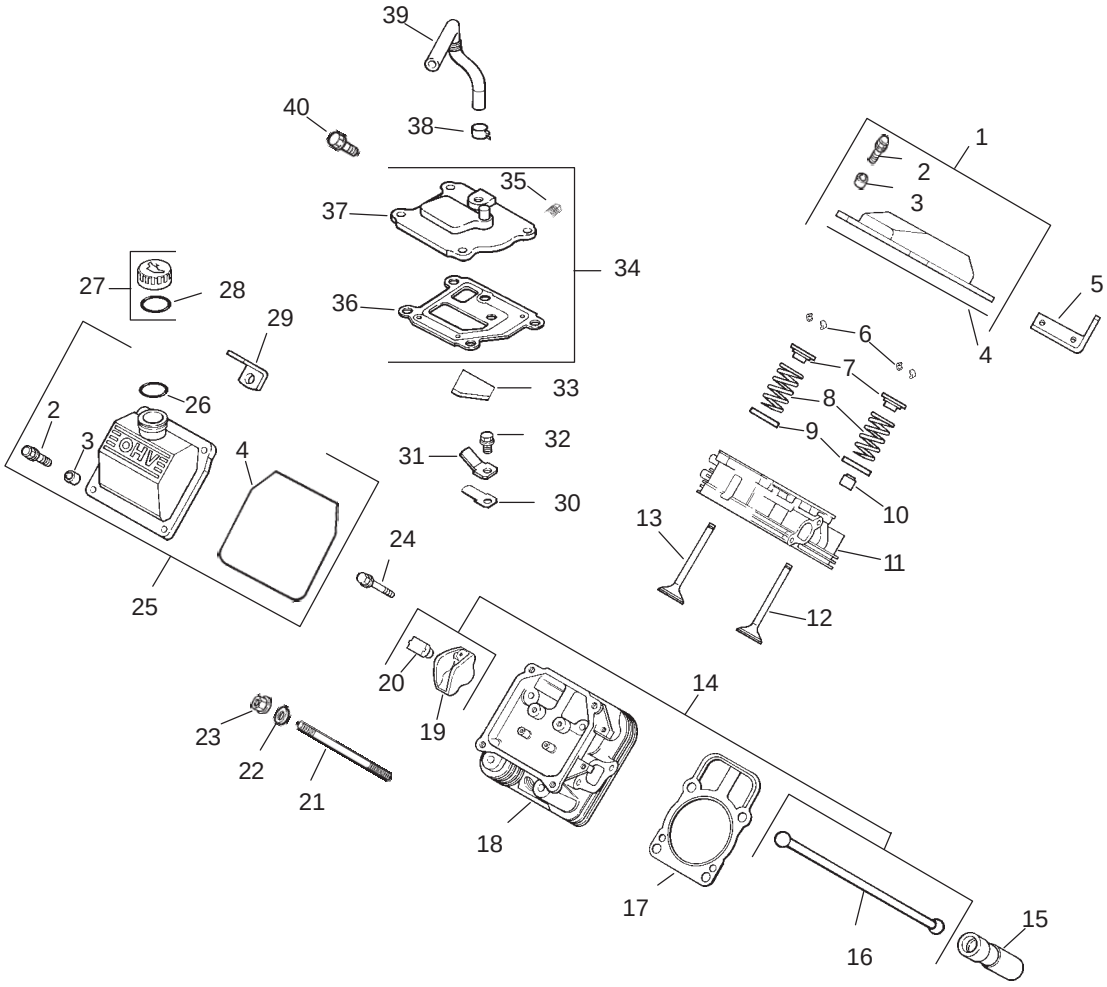


Group 4 – Head/Valve/Breather Assembly
Kohler CH26S–78518

Ref. No.	Part No.	Qty.	Description
1	24 755 74–S	1	Kit, valve cover – plain (Includes 2–4)
2	M–651030–S	4	Screw, hex. flange M6x1.0x30
3	24 112 08–S	4	Spacer
4	24 153 16–S	1	O–Ring, valve cover
5	24 445 01–S	1	Strap, lifting
6	12 755 03–S	4	Kit, retainer
7	12 173 01–S	4	Cap, valve spring
8	24 089 02–S	4	Spring, valve
9	235011–S	4	Retainer, spring
10	24 032 05–S	2	Seal, valve stem
11	24 318 65–S	1	Head ASM #1cylinder
12	24 017 01–S	2	Valve, intake (Std.)
	24 017 02–S	2	Valve, intake (.25)
13	24 016 01–S	2	Valve, exhaust (Std.)
	24 016 02–S	2	Valve, exhaust (.25)
14	24 755 66–S	1	Kit, valve train (Includes16,19,20)
15	25 351 01–S	4	Lifter, valve
16	24 411 05–S	4	Rod, push
17	24 041 37–S	2	Gasket, cylinder head
18	24 318 66–S	1	Head assembly, #2 cylinder

Ref. No.	Part No.	Qty.	Description
19	25 186 01–S	4	Arm, rocker
20	24 599 01–S	4	Pivot, rocker arm
21	24 072 09–S	8	Stud, cylinder hd. M8x1.25x20, M10x1.5x33, 105 mm long
22	24 468 16–S	8	Washer, flat 8 mm
23	24 100 10–S	8	Nut, hex. flange M8x1.25
24	M–640034–S	4	Screw, hex. flange M6x1.0x34
25	24 755 75–S	1	Kit, valve cover – oil fill (Includes 2–4,26)
26	24 153 09–S	1	O–Ring
27	24 755 46–S	1	Kit, oil fill cap (Includes 28)
28	12 153 03–S	1	O–Ring, oil fill cap
29	12 445 05–S	1	Strap, lifting
30	24 402 03–S	1	Reed, breather
31	12 018 01–S	1	Retainer, breather reed
32	M–545010–S	1	Screw, hex. flange M5x0.8x10
33	24 050 01–S	1	Filter, breather

Obtain Parts From Kohler

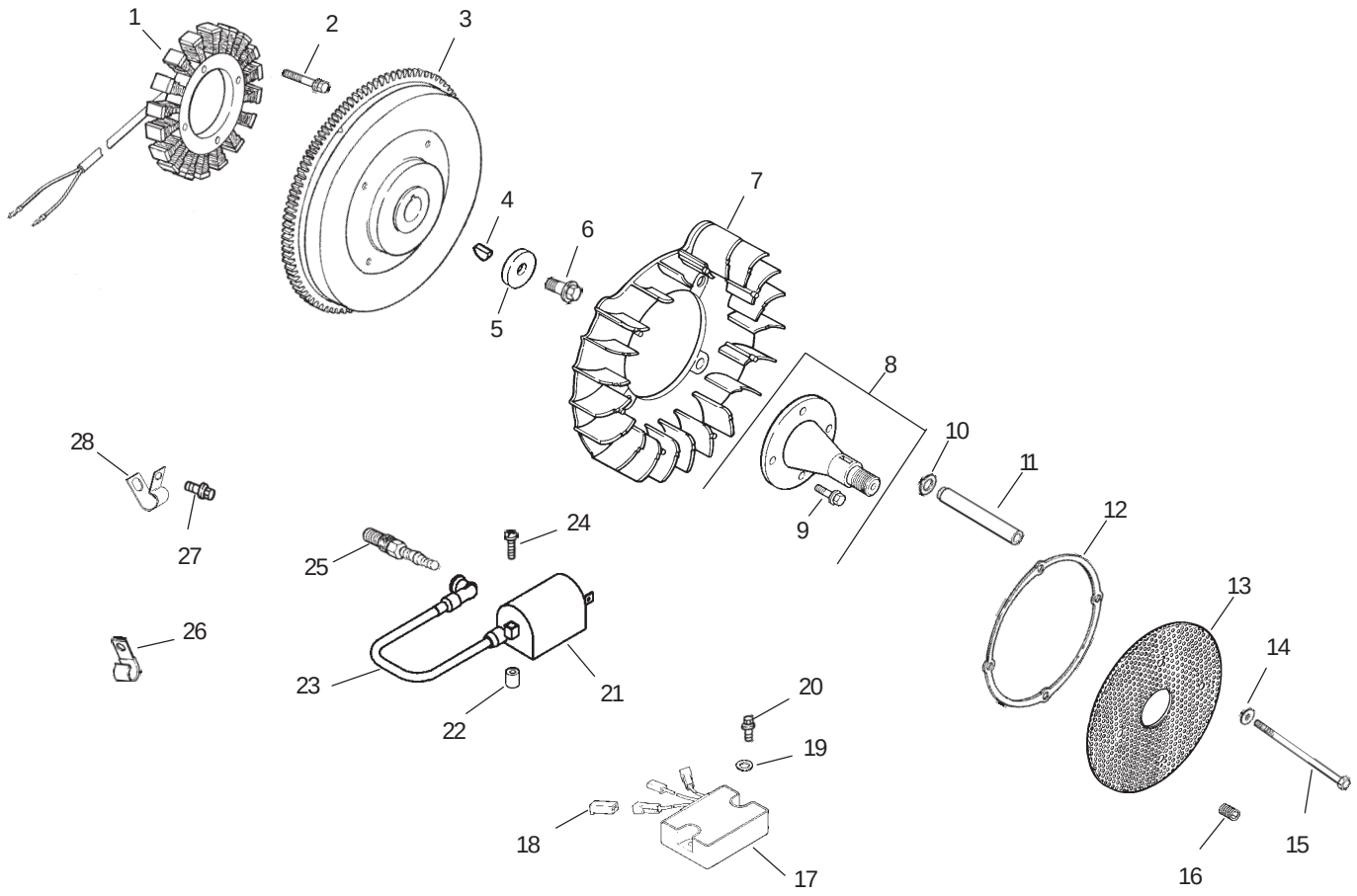


Group 4 – Head/Valve/Breather Assembly (Continued)
Kohler CH26S–78518

Ref. No.	Part No.	Qty.	Description
34	24 033 01–S	1	Kit, breather (Includes 35–37)
35	25 139 60–S	1	Plug, allen head 1/8” pipe
36	24 041 23–S	1	Gasket, breather
37	24 096 58–S	1	Cover, breather
38	25 237 08–S	2	Clamp, hose
39	24 326 31–S	1	Hose, breather
40	M–645020–S	4	Screw, hex. flange M6x1.0x20

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kohler



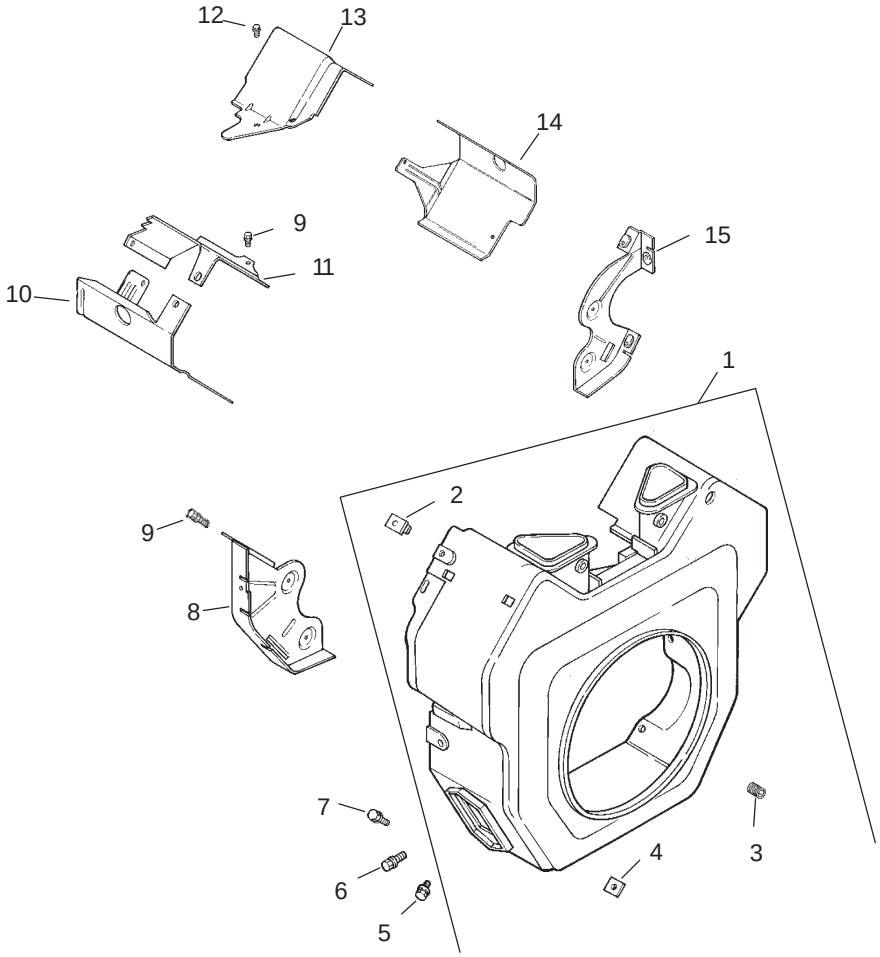
Group 5 – Ignition/Electrical Assembly
Kohler CH26S–78518

Ref. No.	Part No.	Qty.	Description
1	28 085 02–S	1	Stator
2	M–545030–S	2	Screw, hex. cap M5x0.8x30
3	24 025 09–S	1	Flywheel
4	X–42–15–S	1	Key
5	12 468 03–S	1	Washer, plain 3/8”
6	12 086 14–S	1	Screw, hex. flange M10x1.5x46
7	24 157 04–S	1	Fan
8	24 755 08–S	1	Kit, front drive shaft (Includes 9)
9	M–839025–S	4	Screw, hex. flange M8x1.25x25
8	24 468 11–S	4	Washer, spring 10 mm
9	24 112 14–S	4	Spacer
10	24 141 06–S	1	Ring, support
11	24 162 22–S	1	Screen, grass
12	X–25–53–S	4	Washer, plain 1/4”
13	M–603100–S	4	Screw, hex. cap M6x1.0x100
14	25 086 43–S	1	Screw, set
15	25 403 05–S	1	Rectifier–regulator 25 amp
16	236602–S	1	Connector

Ref. No.	Part No.	Qty.	Description
17	X–25–92–S	2	Washer, plain 3/16”
18	24 086 18–S	2	Screw, phillips hd. 11–16x1/2”
19	24 519 02–S	2	Coil, ignition (2)
20	24 112 16–S	4	Spacer
21	24 131 02–S	2	Boot, spark plug
22	24 086 48–S	4	Screw, tapping
23	12 132 06–S	2	Spark Plug
24	48 154 02–S	1	Clip, cable
25	M–545016–S	1	Screw, hex. flange M5x0.8x16
26	25 237 06–S	1	Clamp, hose
*	24 518 12–S	1	Lead, black, (4” – 18 gauge – insulated grip barrel eyelet terminals)
*	X–22–11–S	1	Washer, lock 1/4”
*	12 454 03–S	1	Tie, wire

* Not Illustrated

Obtain Parts From Kohler



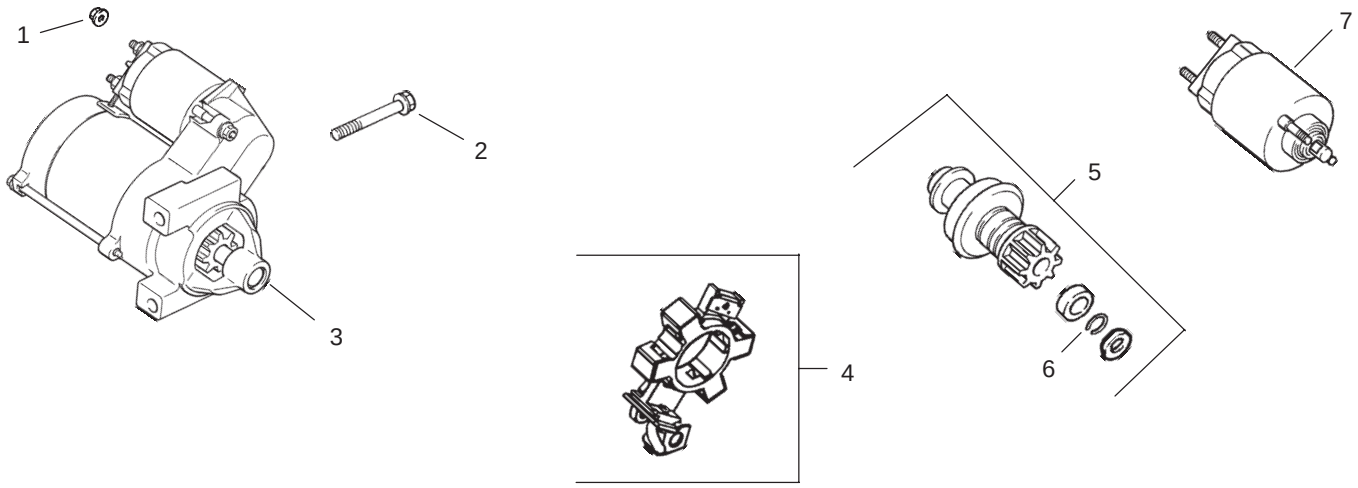
Group 6 – Blower Housing and Baffle Assembly
Kohler CH26S–78518

Ref. No.	Part No.	Qty.	Description
1	24 027 123–S	1	Housing, blower (Includes 2–4)
2	24 100 02–S	1	Nut, plastic
3	25 086 43–S	1	Screw, set
4	24 100 01–S	4	Nut, plastic
5	M–551016–S	1	Screw, hex. flange M5x0.8x16
6	M–545016–S	1	Screw, hex. flange M5x0.8x16
7	M–545020–S	4	Screw, hex. flange M5x0.8x20
8	24 146 19–S	1	Plate, backing – #2 side
9	M–645016–S	6	Screw, hex. flange M6x1.0x16
10	24 063 39–S	1	Baffle, cylinder barrel – #2 side
11	24 063 17–S	1	Baffle, valley – #2 side
12	M–545010–S	1	Screw, hex. flange M5x0.8x10
13	24 063 24–S	1	Baffle, valley – #1 side
14	24 063 58–S	1	Baffle, cylinder barrel – #1 side

Ref. No.	Part No.	Qty.	Description
15	24 146 20–S	1	Plate, backing – #1 side
*	24 113 100–S	1	Decal, HP
*	X–22–11–S	2	Washer, lock 1/4”
*	M–561016–S	1	Screw, thread forming M5x0.8x16
*	M–561010–S	1	Screw, thread forming M5x0.8x10

* Not Illustrated

Obtain Parts From Kohler

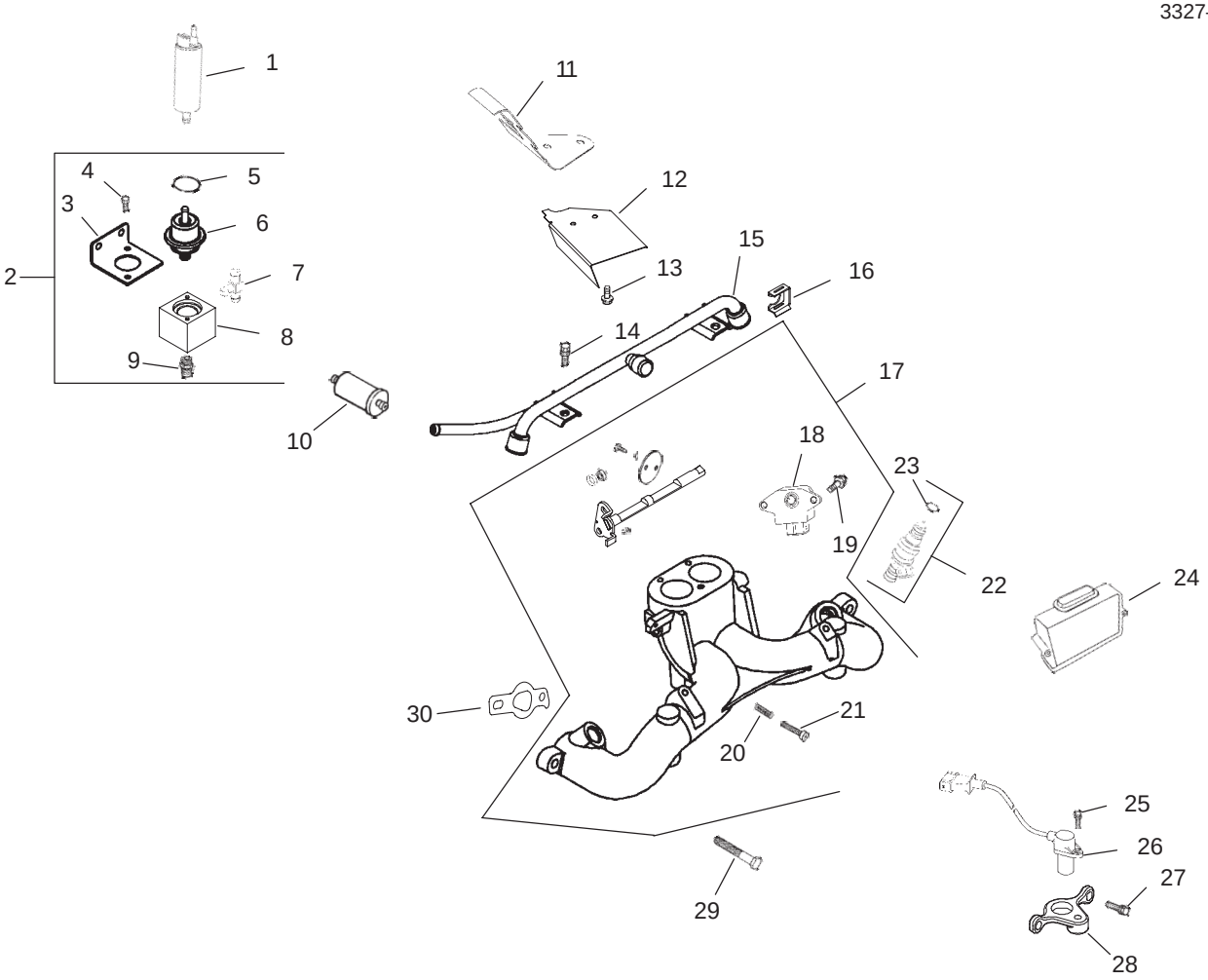


Group 7 – Starter Assembly
Kohler CH26S–78518

Ref. No.	Part No.	Qty.	Description
1	M–841080–S	1	Nut, hex flange M8x1.25
2	M–839080–S	2	Screw, hex. flange M8x1.25x80
3	25 098 08–S	1	Starter assembly (Includes 4–7)
4	25 221 01–S	1	Kit, brush
5	25 755 23–S	1	Kit, pinion drive (Includes 6)
6	25 141 05–S	1	Ring
7	25 435 04–S	1	Kit, solenoid

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kohler

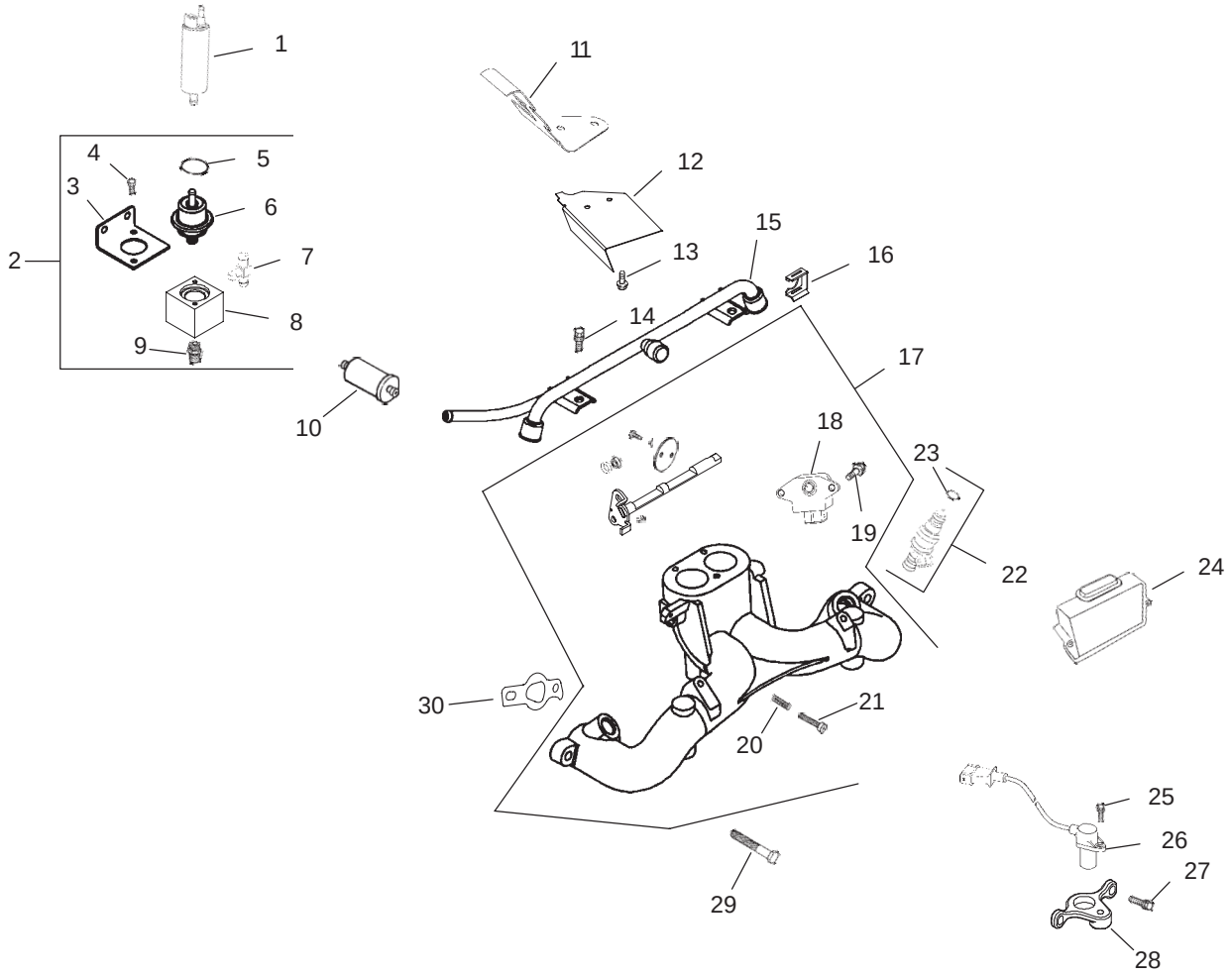


Group 8 – Fuel System Assembly
Kohler CH26S–78518

Ref. No.	Part No.	Qty.	Description
1	24 393 20–S	1	Pump assembly, fuel (Includes filter 24 05006–S)
2	24 403 12–S	1	Regulator assembly, pressure (Includes 3–9)
3	24 126 86–S	1	Bracket, regulator – horizontal
4	M–410010–S	2	Screw, hex. hd. M4x0.7x10
5	24 153 18–S	1	O–Ring
6	24 403 02–S	1	Regulator, pressure
7	24 294 15–S	1	Fitting, tee
8	24 081 12–S	1	Housing, regulator – horizontal
9	25 326 03–S	1	Connector, hose 1/8
10	24 050 03–S	1	Filter, fuel
11	24 063 37–S	1	Baffle, valley
12	24 265 08–S	1	Deflector, air
13	M–545010–S	2	Screw, hex. flange M5x0.8x10
14	M–650012–S	2	Screw, hex. flange M6x1.0x10
15	24 399 04–S	1	Rail, fuel

Ref. No.	Part No.	Qty.	Description
16	24 154 05–S	2	Clip, fuel injector
17	24 164 39–S	1	Manifold assembly, intake (Includes 18–21)
18	24 418 06–S	1	Sensor, throttle position
19	M–442012–S	2	Screw, pan hd. M4x0.7x12
20	12 089 11–S	1	Spring, speed control
21	M–442025–S	1	Screw, hex. hd. M4x0.7x25
22	24 331 01–S	1	Injector, fuel (2) (Includes 23)
23	24 153 20–S	1	O–Ring, fuel injector
24	24 584 23–S	1	Control unit, electronic (ECU)
25	24 086 42–S	1	Screw, hex. flange M6x1.0x16
26	24 418 03–S	1	Sensor, engine speed
27	M–545016–S	2	Screw, hex. flange M5x0.8x16
28	24 126 69–S	1	Bracket, speed sensor
29	M–639025–S	4	Screw, hex. flange M6x1.0x25
30	24 041 01–S	2	Gasket, intake manifold

Obtain Parts From Kohler



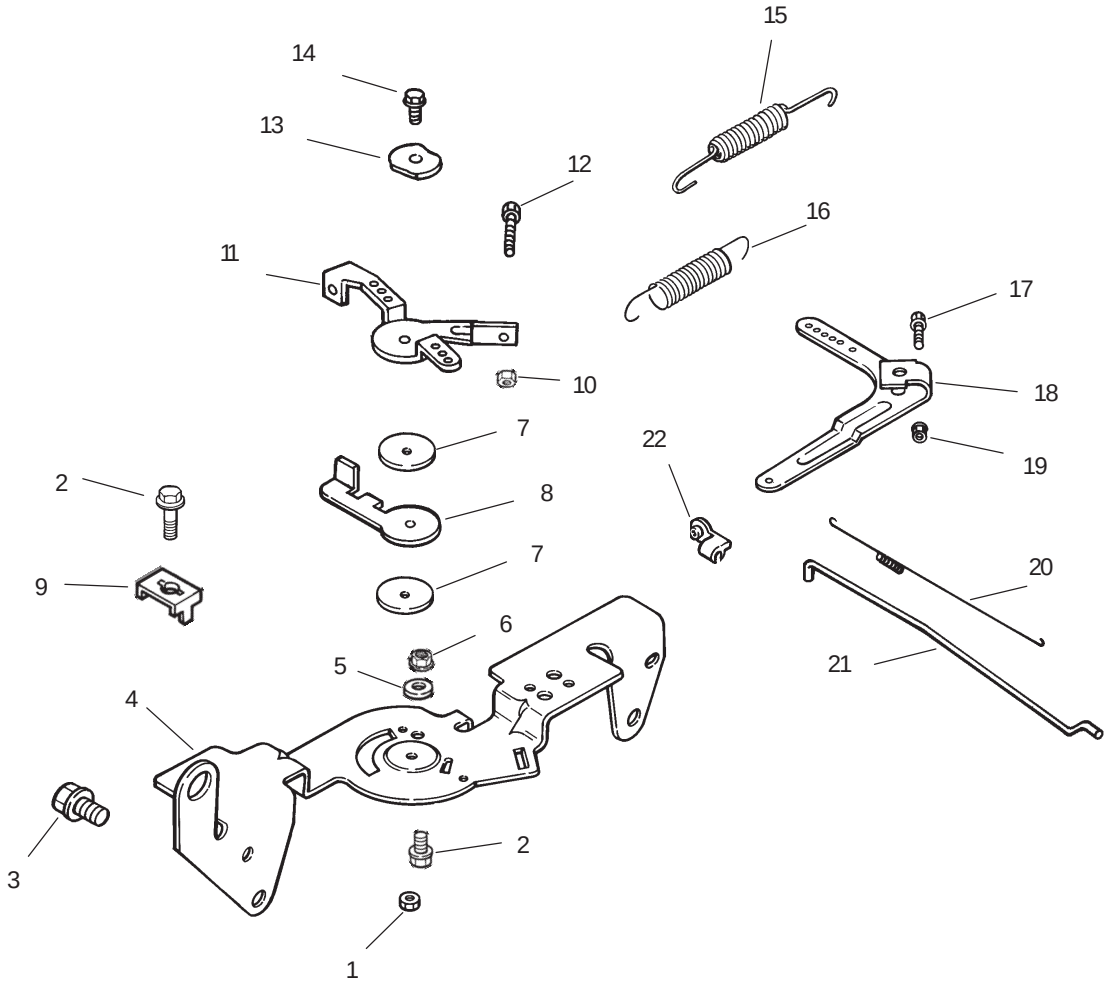
Group 8 – Fuel System Assembly (Continued)
Kohler CH26S–78518

Ref. No.	Part No.	Qty.	Description
*	24 050 06–S	1	Filter, fuel strainer
*	24 086 49–S	1	Screw, set
*	24 113 78–S	1	Decal, fuel warning
*	25 454 03–S	2	Tie, cable

Ref. No.	Part No.	Qty.	Description

* Not Illustrated

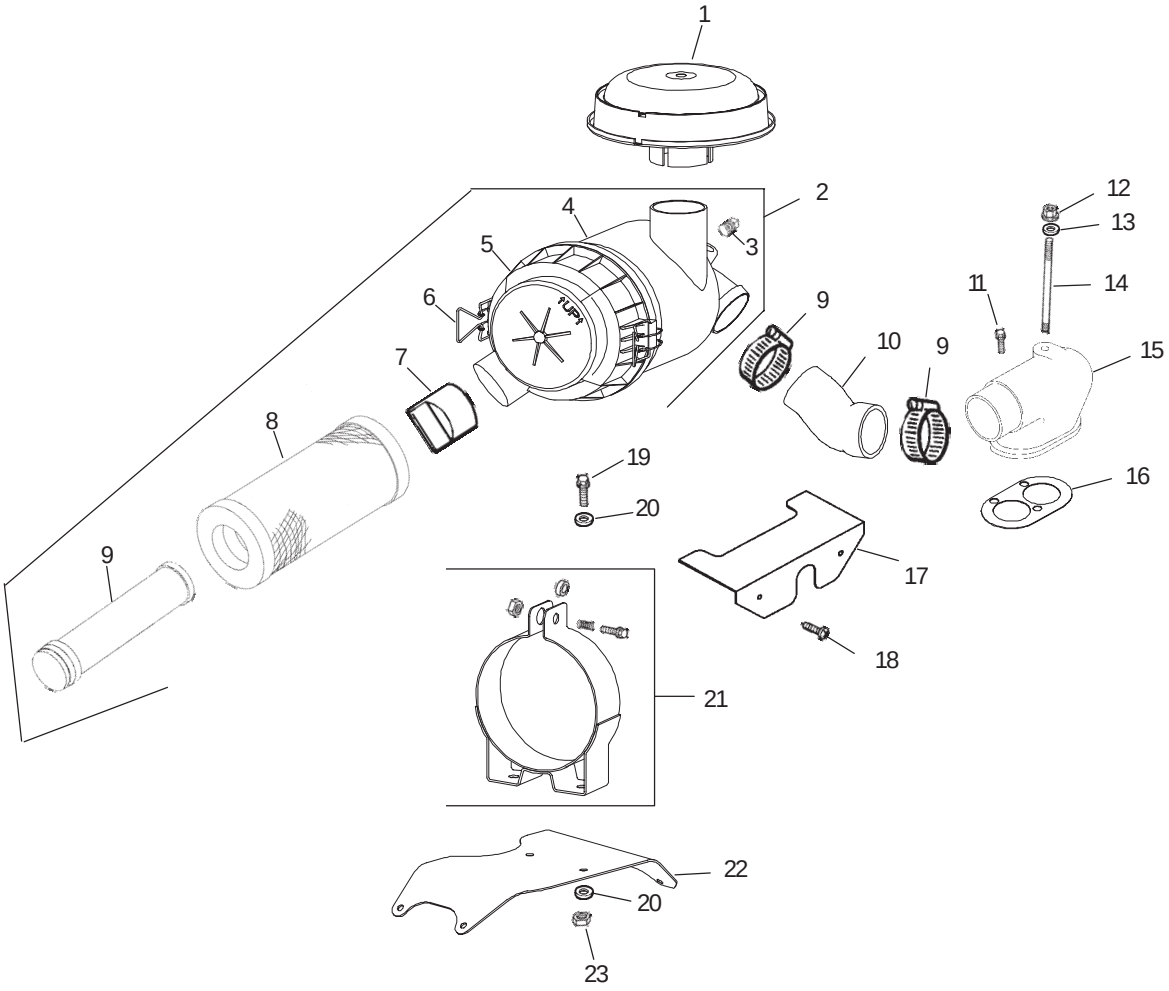
Obtain Parts From Kohler



Group 9 – Engine Control Assembly
Kohler CH26S–78518

Ref. No.	Part No.	Qty.	Description
1	M–547050–S	1	Nut, hex. lock M5x0.8
2	M–545016–S	2	Screw, hex. flange M5x0.8x16
3	M–645016–S	4	Screw, hex. flange M6x1.0x16
4	24 126 56–S	1	Bracket, control
5	X–20–1–S	1	Washer, lock 1/4
6	M–541050–S	1	Nut, hex. flange M5x0.8
7	24 468 01–S	2	Washer, plain 5.5 mm
8	24 090 07–S	1	Lever, throttle actuator
9	12 237 01–S	2	Clamp, cable
10	M–446030–S	1	Nut, hex M4x0.7
11	24 090 03–S	1	Lever, throttle control
12	M–401030–S	1	Screw, hex. cap M4x0.7x30
13	41 468 03–S	1	Washer, wave
14	M–545020–S	1	Screw, hex. flange M5x0.8x20
15	24 089 51–S	1	Spring, throttle limiter
16	24 089 48–S	1	Spring, governor
17	24 211 03–S	1	Bolt, rd. hd. sq. neck M6x1.0x25
18	24 090 33–S	1	Lever, governor
19	M–641060–S	1	Nut, hex. flange M6x1.0
20	25 158 11–S	1	Bushing, linkage retaining
21	24 089 32–S	1	Spring, linkage
22	24 079 13–S	1	Linkage, throttle

Obtain Parts From Kohler



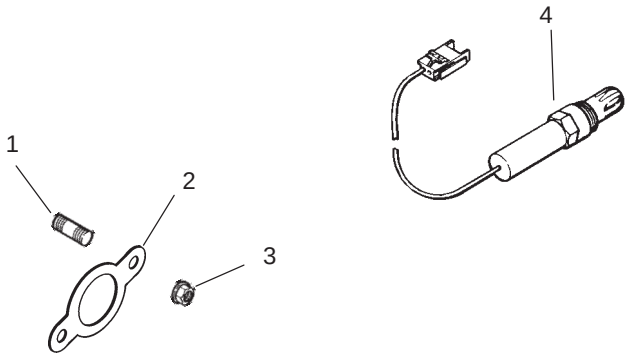
Group 10 – Air Intake/Filtration Assembly
Kohler CH26S–78518

Ref. No.	Part No.	Qty.	Description
1	25 324 02–S	1	Hood, air cleaner
2	25 048 07–S	1	Cleaner assembly, air (Includes 3–8)
3	25 139 20–S	1	Plug, pipe
4	25 081 01–S	1	Housing, heavy–duty air cleaner
5	25 096 06–S	1	Cover, air cleaner housing
6	25 154 05–S	2	Clip
7	24 462 07–S	1	Valve, dust ejector
8	25 083 01–S	1	Element, air – primary
9	25 083 04–S	1	Element, air – safety
10	25 237 07–S	2	Clamp, hose
11	24 326 32–S	1	Hose, air cleaner
12	M–644025–S	2	Screw, hex. sckt. hd. M6x1.0x25
13	M–641060–S	1	Nut, hex. flange M6x1.0
14	25 468 01–S	1	Washer, copper
15	M–629122–S	1	Stud, carburetor M6x1.0x122
16	24 029 33–S	1	Adapter, Remote air cleaner assembly

Ref. No.	Part No.	Qty.	Description
17	24 041 36–S	1	Gasket, air cleaner base
18	24 314 28–S	1	Shield, debris
19	24 086 06–S	2	Screw, phillips hd. 11–16x3/4”
20	M–639016–S	2	Screw, hex. flange M6x1.0x16
21	X–25–73–S	4	Washer, plain
22	25 126 02–S	1	Bracket assembly, air cleaner
23	24 126 98–S	1	Bracket, air cleaner
24	M–647060–S	2	Nut, hex. lock M6x1.0
*	25 113 27–S	1	Decal, air cleaner

* Not Illustrated

Obtain Parts From Kohler



Group 11 – Exhaust Assembly
Kohler CH26S–78518

Ref. No.	Part No.	Qty.	Description
1	25 072 04–S	4	Stud M8x1.25x33
2	24 041 02–S	2	Gasket, exhaust
3	M–841080–S	4	Nut, hex. flange
4	24 418 05–S	1	Sensor, oxygen
*	24 782 30	1	Miniblock
*	24 755 109–S	1	Gasket Set

Ref. No.	Part No.	Qty.	Description

* Not Illustrated

Obtain Parts From Kohler


TORO®