Form No. 3328–745

520xi

Wheel Horse® Garden Tractor

Model No. 73542—230000001 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 — 2003
All Rights Reserved

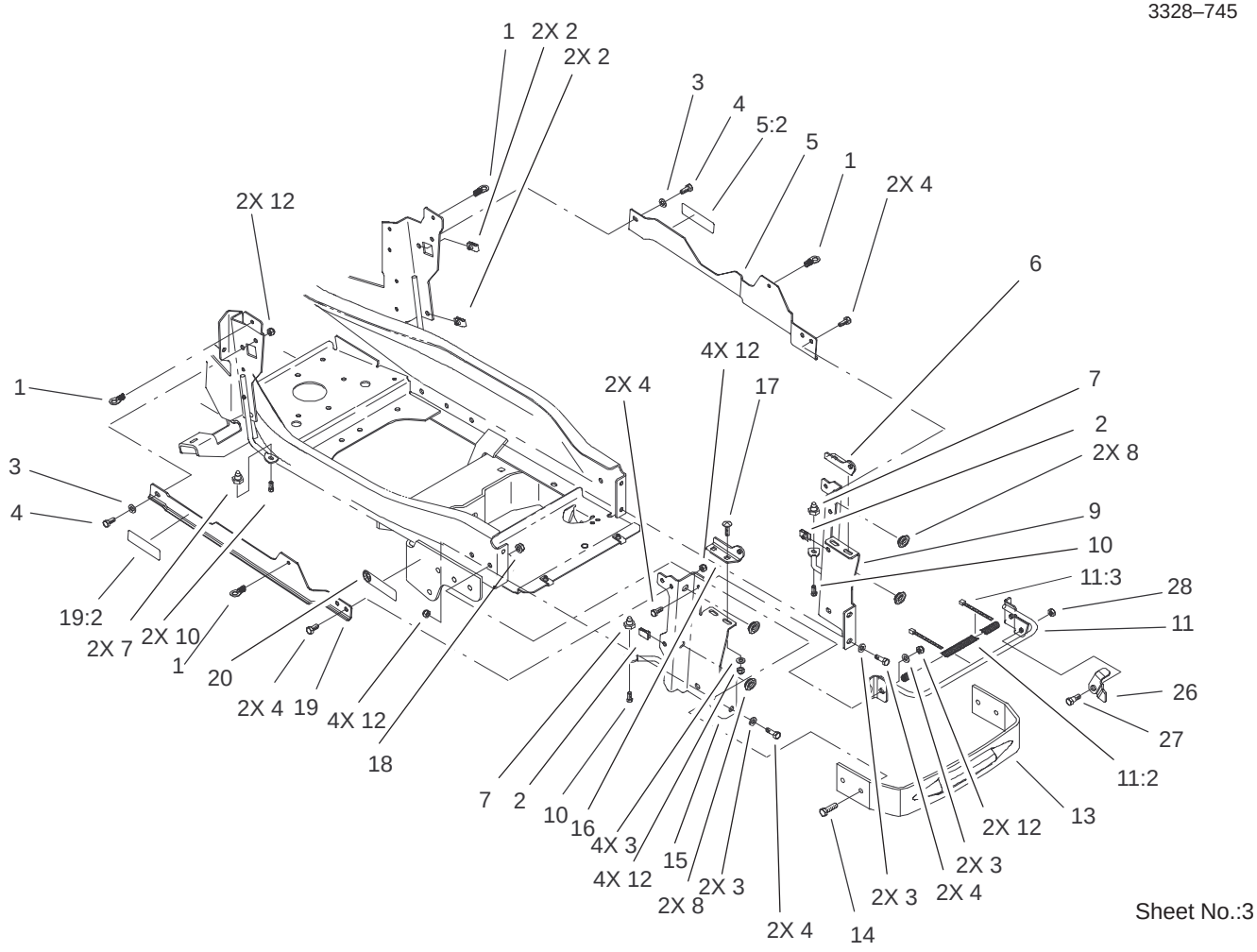
Contents

Description	Page
Bumper and Hood Support Assembly	3
Steering Tower and Fuel Tank Support Assembly	4
Attach–A–Matic and Hitch Assembly	5
Manual Steering Lower Assembly	6
Manual Steering and Tilt Assembly	7
Tie Rod, Spindle and Front Axle Assembly	8
Hydro Transaxle Assembly	9
Hydro Transaxle Assembly (continued)	10
Hydro Transmission No. 94–2003	11
Hydro Transmission No. 94–2003	12
Drive Shaft Assembly	13
Hydro Lift Lower Assembly	14
Hydro Lift Upper Assembly	15
Hood and Headlight Assembly	16
Grill and Side Panel Assembly	17
Dash Assembly	18
Fender, Footrest and Seat Assembly	19
Smart Turn Rear Assembly	20
Hi–Lo Shift Assembly	21
Parking Brake Upper Assembly	22
Hydro Control Assembly	23
Smart Turn Front Assembly	24
Parking Brake Lower Assembly	25
Cruise Control Assembly	26
Fender and Fuel System Assembly	27
Wheel Assembly	28
Air Cooled Engine Assembly	29
Electrical Assembly	30
Wiring Diagram 20HP	31
Wiring Schematic 20HP	32
Group 1 – Crankshaft Assembly	33
Group 2 – Crankcase Assembly	34
Group 3 – Oil Pan/Lubrication Assembly	35
Group 4 – Head/Valve/Breather Assembly	36
Group 5 – Ignition/Electrical Assembly	37
Group 6 – Blower Housing Assembly	38
Group 7 – Starter Assembly	39
Group 8 – Fuel System Assembly	40
Group 9 – Engine Control Assembly	41
Group 10 – Air Intake/Filtration Assembly	42
Group 11 – Exhaust Assembly	43

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



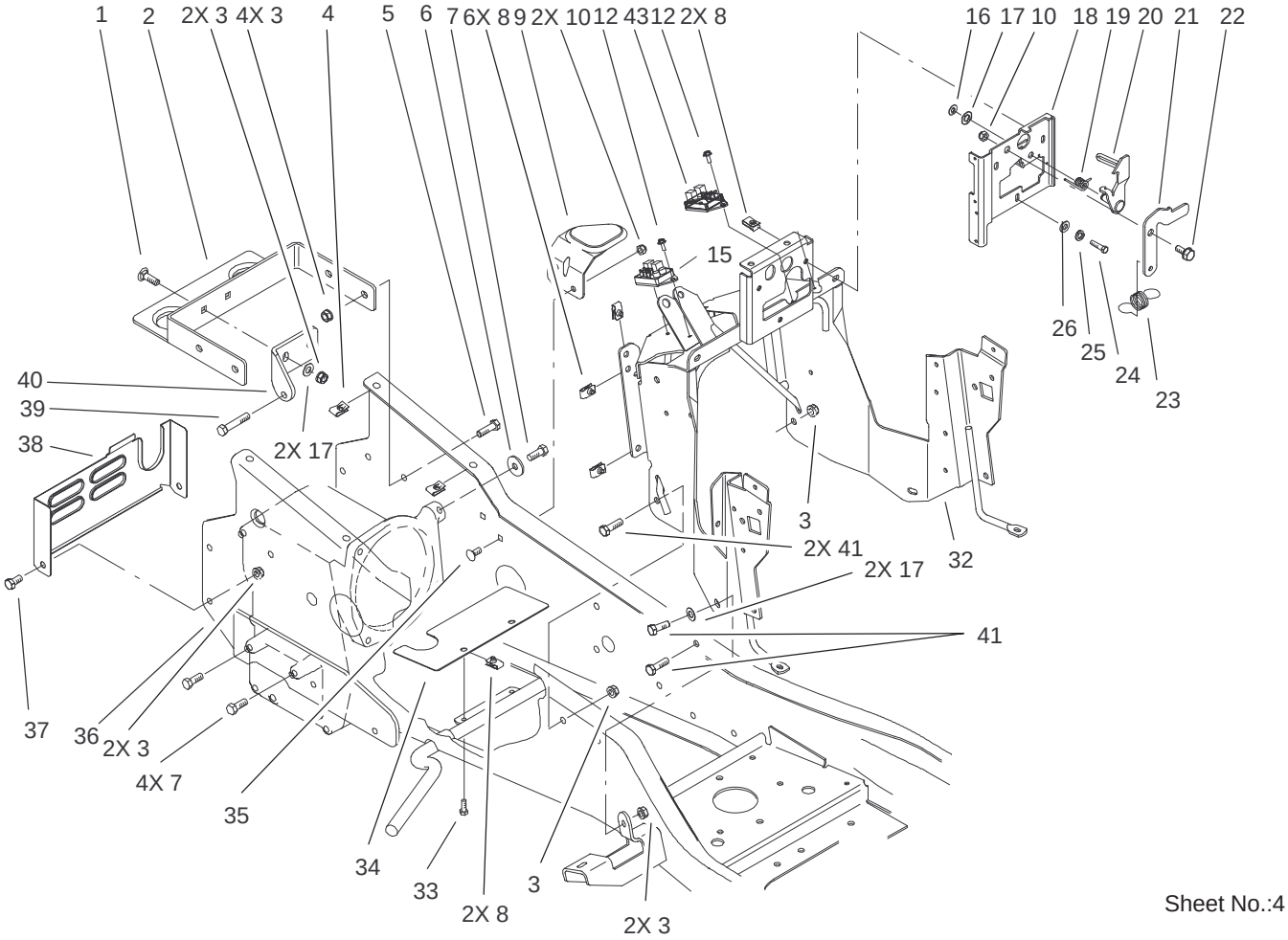
Sheet No.:3

Bumper and Hood Support Assembly

Ref. No.	Part No.	Qty.	Description
1	95–4013	4	Latch ASM
2	107069	6	Clip
3	3256–23	12	Washer–Flat
4	322–3	12	Screw–HH
5	98–5064	1	Support ASM
5:2	98–5014	1	Decal – Warning
6	98–9026–03	1	Bracket–Hinge, Lower LH
7	95–3989	4	Mount–Sidepanel
8	94–7910	4	Grommet
9	95–4082–03	1	Support–Hood LH
10	46–8093	4	Screw–Plastite
11	99–5305	1	Support–Hood ASM
11:2	95–4258	1	Cover – Brace
11:3	614249	2	Strap–Tie
12	3296–29	16	Nut–Lock, NI
13	94–2308–03	1	Bumper – Frame
14	323–7	4	Screw–HH
15	95–4081–03	1	Support–Hood RH
16	98–9027–03	1	Bracket–Hinge, Lower RH
17	3230–16	4	Screw–CARR
18	3296–39	4	Nut–Lock, NI
19	99–5345	1	Support ASM
19:2	98–5014	1	Decal – Warning

Ref. No.	Part No.	Qty.	Description
20	92–8747	2	Decal–Attach–A–Matic
26	98–9015	1	Lever – Hood Prop
27	37–8771	1	Bolt–Shoulder
28	3296–47	1	Nut–Lock, NI

3328–745

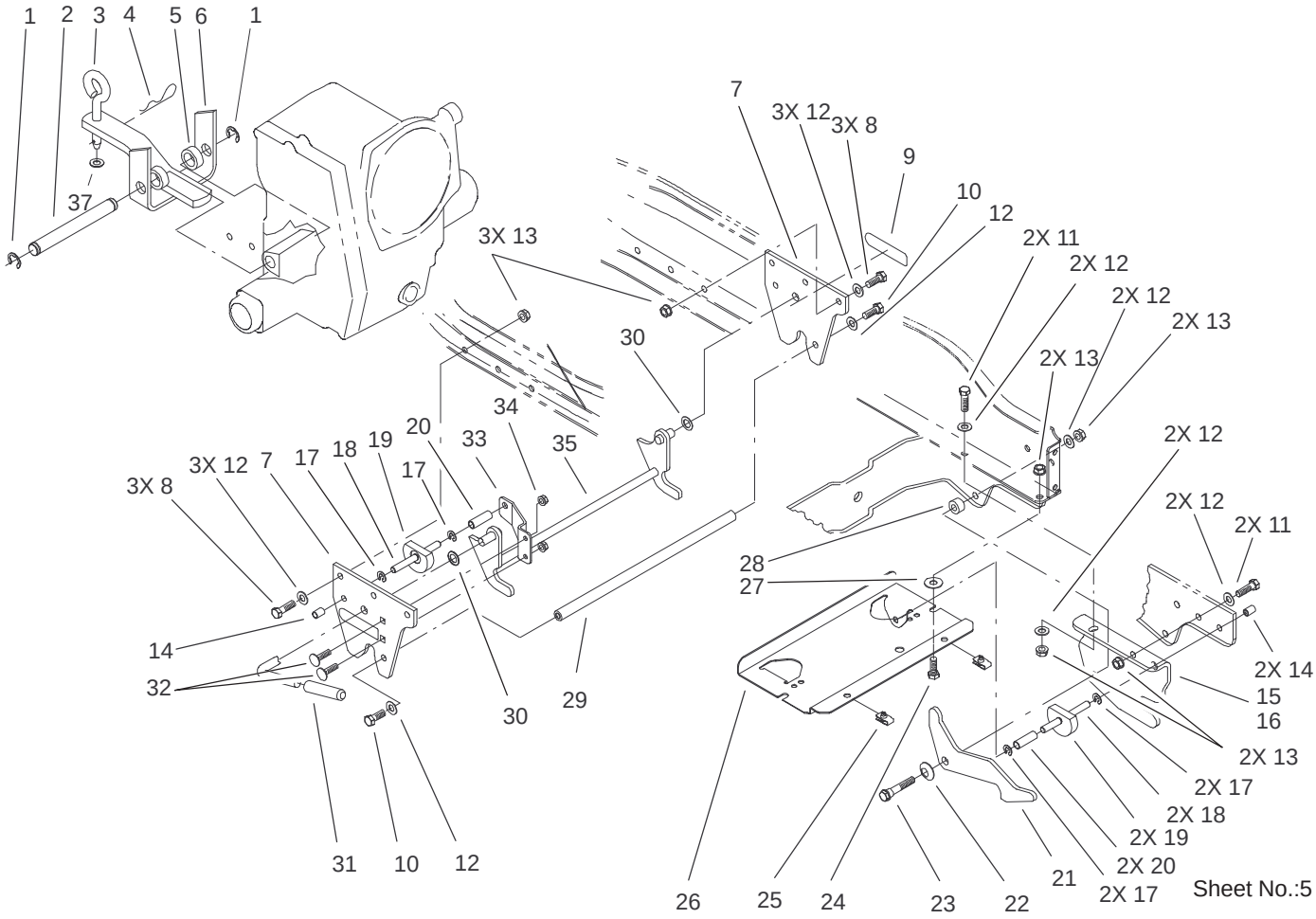


Sheet No.:4

Steering Tower and Fuel Tank Support Assembly

Ref. No.	Part No.	Qty.	Description
1	3231–25	2	Screw–CARR
2	94–7740–03	1	Support–Gas Tank
3	3296–39	12	Nut–Lock, NI
4	94–2413	4	U–Nut
5	323–7	4	Screw–HH
6	2844	1	Washer
7	3235–22	5	Screw–HH Lock
8	107069	10	Clip
9	95–3961–03	1	Support – Fuel Tank
10	3296–29	3	Nut–Lock, NI
12	32144–112	2	Screw–HWHTF
15	99–3703	1	Module–Cruise
16	105797	1	Ring–Retaining
17	3256–24	5	Washer–Flat
18	95–3892–03	1	Bracket – Latch
19	95–4165	1	Spring – Latch Lever
20	95–3899	1	Lever–Latch
21	95–3900	1	Latch – Tension Lever
22	37–8771	1	Bolt–Shoulder
23	95–3895	1	Spring – Latch Lever
24	321–4	3	Screw–HH
25	3253–3	3	Washer–Lock
26	3256–22	3	Washer–Flat
32	99–4441–03	1	Tower ASM
33	321–4	2	Screw–HH
34	95–4246	1	Baffle – Fan

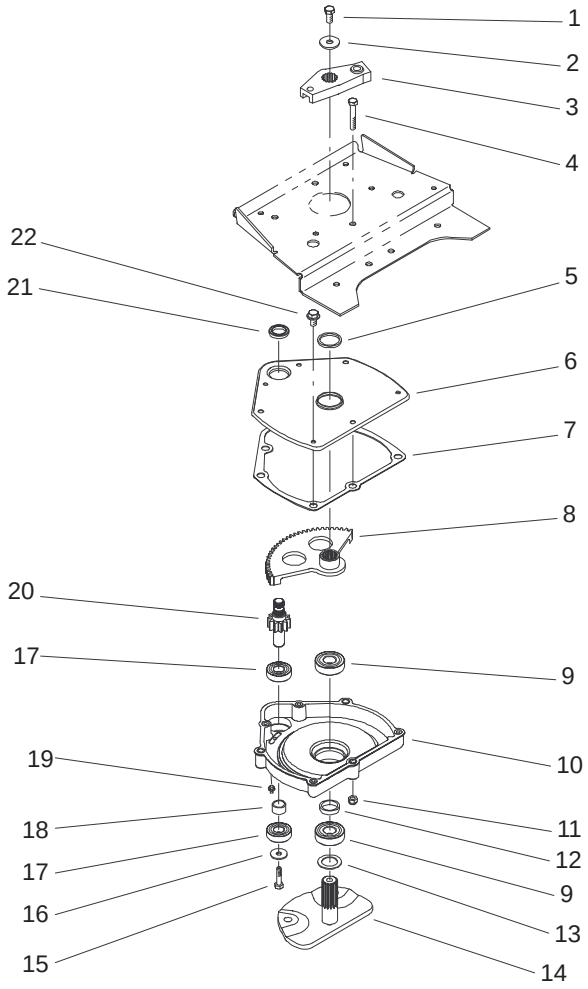
Ref. No.	Part No.	Qty.	Description
35	3230–20	2	Screw–CARR
36	99–5306–03	1	Frame
37	323–4	2	Screw–HH
38	95–4005–03	1	Cover – Rear
39	94–7972	1	Screw – HH
40	94–7739–03	1	Strap–Torque
41	323–6	4	Screw–HH
43	99–3701	1	Module–Clutch



Attach–A–Matic and Hitch Assembly

Ref. No.	Part No.	Qty.	Description
1	5618	2	E–Ring
2	105269	1	Pin–Stationary Hitch
3	106634	1	Pin–Tool
4	9335054	1	Pin–Hair
5	9791204	2	Spacer
6	98–8083–03	1	Hitch
7	94–2251–03	2	Plate – Hitch
8	323–44	6	Screw–HH
9	98–1632	2	Decal – Attach–A–Matic
10	3235–22	2	Screw–HH Lock
11	323–7	4	Screw–HH
12	3256–24	16	Washer–Flat
13	3296–39	14	Nut–Lock, NI
14	105316	3	Cap–Plunger Rod
15	94–2230–03	1	Hanger–RH
16	94–2231–03	1	Hanger – LH
17	105797	6	Ring–Retaining
18	94–2256	3	Rod – Lock
19	94–2258	3	Lock – Latch
20	8616	3	Spring
21	94–7777	2	Latch–Pulley Box
22	3290–221	2	Washer–Spring
23	92–7674	2	Bolt
24	323–6	2	Screw–HH
25	107069	2	Clip

Ref. No.	Part No.	Qty.	Description
26	94–2304–03	1	Tray – Battery
27	3–4685	2	Washer–Top Thrust
28	94–2233	2	Spacer
29	94–2475	1	Rod – Spacer
30	98–1629	2	Washer
31	9038	1	Grip
32	3230–2	2	Bolt–CARR
33	94–7855–03	1	Bracket–Mid Arm
34	3296–29	2	Nut–Lock, NI
35	94–2250–03	1	Latch
37	3256–26	1	Washer–Flat

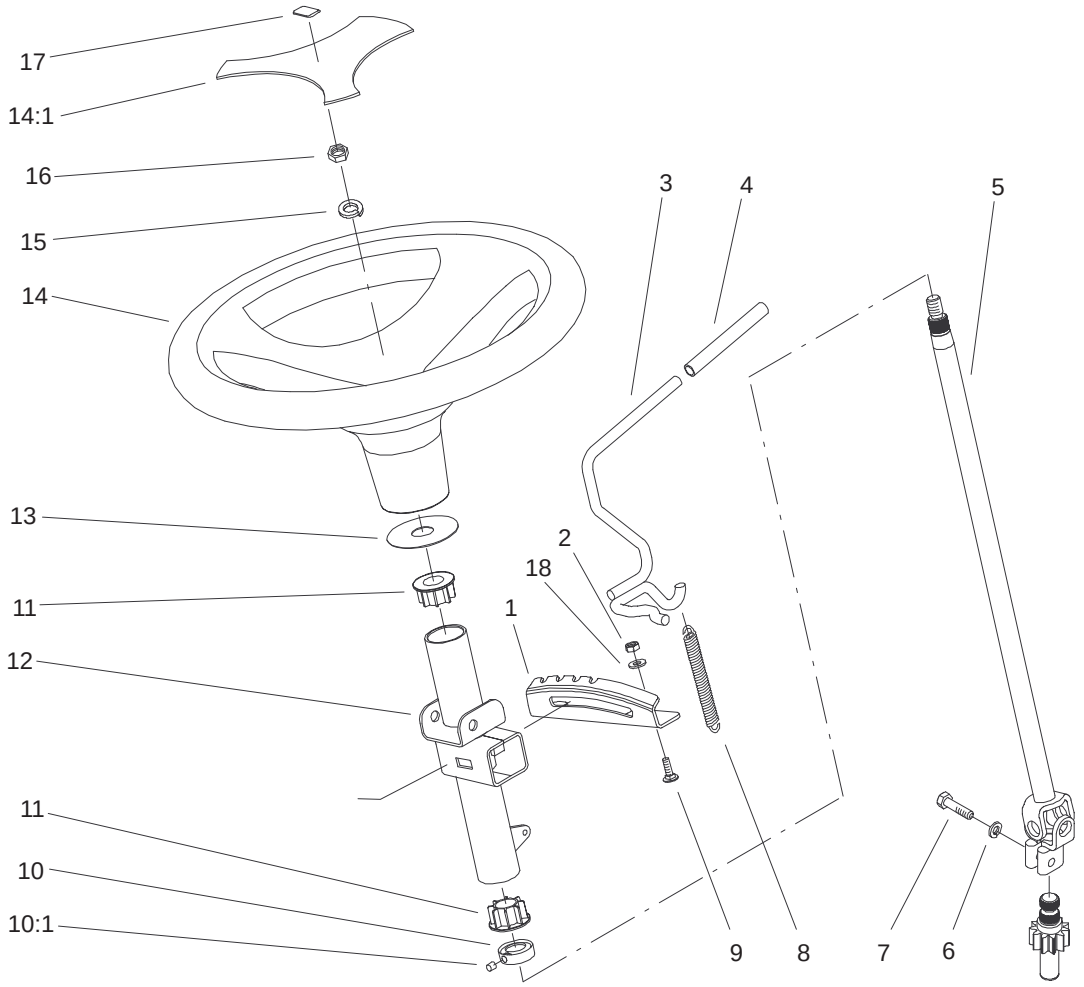


Sheet No.:6

Manual Steering Lower Assembly

Ref. No.	Part No.	Qty.	Description
1	98–3052	1	Screw–Locking, Thread
2	2844	1	Washer
3	94–2140	1	Arm – Mech Strg Upper
4	322–10	3	Screw–HH
5	103118	1	Seal
6	94–2134–03	1	Cover – Steering Housing
7	94–2135	1	Gasket
8	94–2137	1	Gear–Sector
9	251–82	2	Bearing–Ball
10	94–2133	1	Hsg – Manual Strg
11	3296–29	3	Nut–Lock, NI
12	94–2218	1	Spacer–Shaft, Output
13	3256–42	1	Washer–Flat
14	94–2142–03	1	Shaft–Sector
15	98–3498	1	Screw–HH
16	3256–82	1	Washer–Flat
17	38–7820	2	Bearing–Ball
18	94–2217	1	Spacer–Shaft, Input
19	302–5	1	Fitting–Grease
20	94–2136	1	Pinion – Input Shaft
21	94–7856	1	Seal – Oil
22	32144–10	4	Tscrew–HWH

Ref. No.	Part No.	Qty.	Description

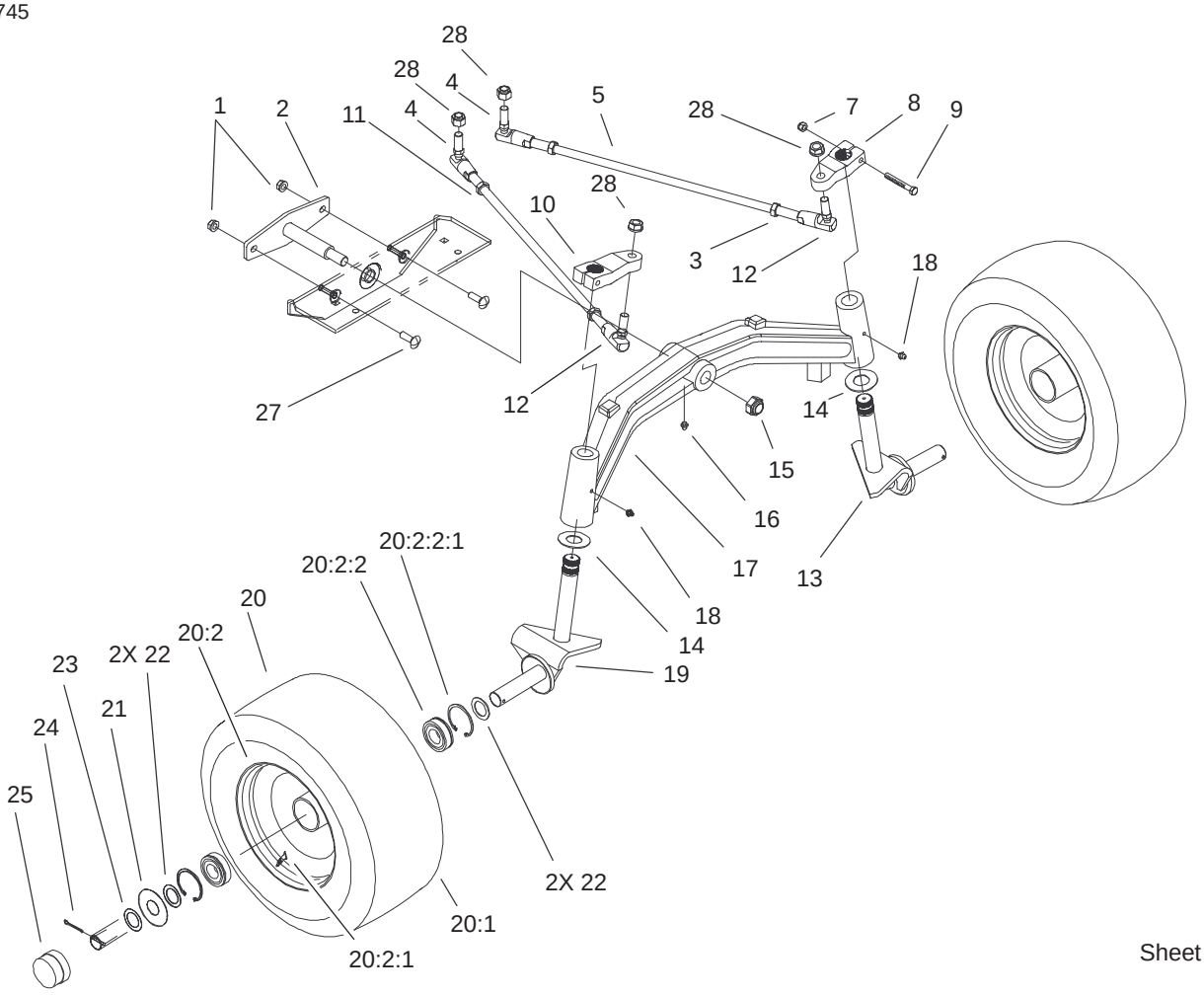


Sheet No.:7

Manual Steering and Tilt Assembly

Ref. No.	Part No.	Qty.	Description
1	94–2382	1	Bracket – Detent
2	3296–42	2	Nut–Lock, NI
3	95–3964	1	Lever–Tilt
4	92–6798	1	Cap–Rod, Tilt
5	94–2047	1	Shaft – Steering
6	3253–4	1	Washer–Lock
7	48–7730	1	Screw–HH
8	95–3805	1	Spring
9	3229–1	2	Screw–CARR
10	111383	1	Collar
10:1	3245–32	1	Screw–HS
11	93–1146	2	Bushing–Upper, Steering
12	94–2450–03	1	Column–Manual
13	94–2025	1	Washer – Boot
14	98–1474	1	Wheel–Steering
14:1	98–1468	1	Cover–Wheel, Steering
15	48–8070	1	Washer–Lock
16	3277–1	1	Nut–Hex
17	98–1459	1	Decal
18	3256–22	2	Washer–Flat

Ref. No.	Part No.	Qty.	Description



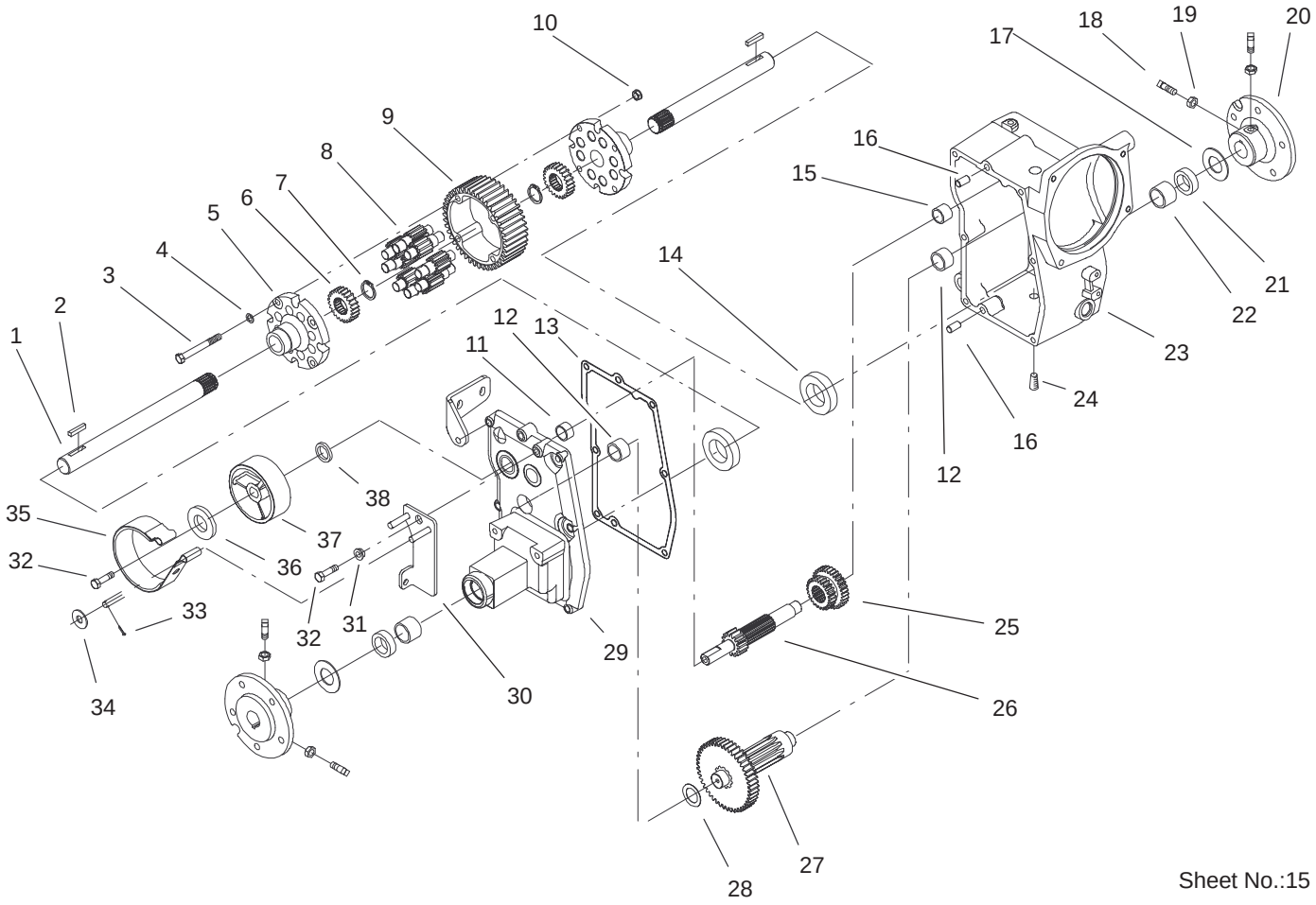
Sheet No.:14

Tie Rod, Spindle and Front Axle Assembly

Ref. No.	Part No.	Qty.	Description
1	3296–39	2	Nut–Lock, NI
2	94–2205–03	1	Pin–Pivot
3	3220–5	2	Nut–Jam
4	94–7539	2	Balljoint – LH Thread
5	100–1121	2	Rod–Tie
7	3296–29	2	Nut–Lock, NI
8	94–2197	1	Arm – Steering LH
9	322–32	2	Screw–HH
10	94–2196	1	Arm – Steering RH
11	3220–12	2	Nut–HJ, LH Thread
12	98–8086	2	Balljoint – RH Thread
13	94–7537–03	1	Spindle–LH
14	9548	2	Washer–Thrust
15	3296–61	1	Nut–Lock
16	302–5	1	Fitting–Grease
17	94–7568–03	1	Axle–Front
18	302–5	2	Fitting–Grease
19	94–7536–03	1	Spindle–RH
20	99–3695	2	Wheel & Tire ASM
20:1	99–3696	1	Tire
20:2	94–7541	1	Rim ASM
20:2:1	5108	1	Valve
20:2:2	94–7538	2	Bearing
20:2:2:1	94–2053	1	Ring–Snap
*	112819	1	Tube–Inner
21	95–4060	2	Washer – Wheel

Ref. No.	Part No.	Qty.	Description
22	9202514	4	Washer
23	9202524	2	Washer
24	3272–18	2	Pin–Cotter
25	94–7871	2	Cap–Dust
27	3231–25	2	Screw–CARR
28	98–8089	4	Nut–Lock

* Not illustrated

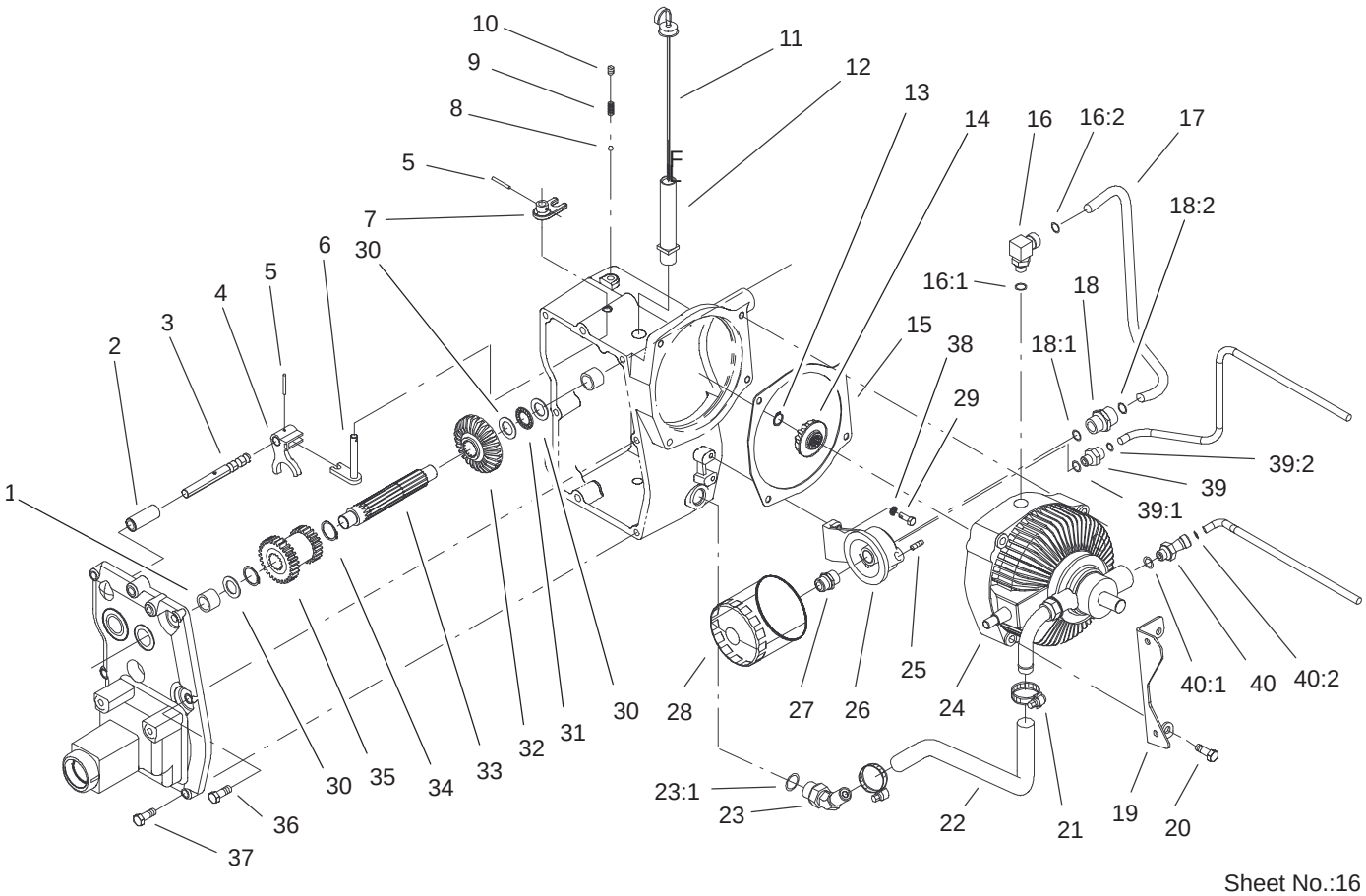


Sheet No.:15

Hydro Transaxle Assembly

Ref. No.	Part No.	Qty.	Description
1	79–3340	2	Axle–Rear
2	79–3370	2	Key
3	911423	4	Bolt–Hex
4	107374	4	Washer
5	111196	2	End Cap–Differential
6	101889	2	Gear–Axle Differential
7	105876	2	Ring–Snap
8	101623	8	Gear–Pinion 11t
9	105061	1	Gear–Differential Ring 43t
10	108881	4	Nut
11	1540	1	Bearing–Needle
12	94–2021	2	Bearing – Needle
13	99–5334	1	Gasket–Case
14	111199	2	Bearing–Ball
15	1529	1	Bearing–Needle
16	108363	2	Pin–Locating
17	106826	2	Washer–Thrust
18	3243–5	4	Screw–Set
19	3218–3	4	Nut–Jam
20	105763–03	2	Hub–Wheel
21	6449	2	Seal–Oil
22	9416	2	Bearing
23	94–2001–03	1	Case–LH, Trans
24	99–8551	1	Plug–Pipe
25	94–2008	1	Gear – Sliding

Ref. No.	Part No.	Qty.	Description
26	94–2007	1	Shaft – Brake
27	94–2006	1	Gear ASM
28	9547	1	Washer–Thrust
29	94–2002–03	1	Case–RH, Trans
30	94–2019–03	1	Arm–Brake Pivot
31	100309	1	Cam–Spacer
32	3235–22	2	Screw–HH Lock
33	3272–6	2	Pin–Cotter
34	3256–24	2	Washer–Flat
35	94–2419	1	Band – Brake
36	2844	1	Washer
37	94–2009	1	Drum – Brake
38	253–44	1	Seal–Oil



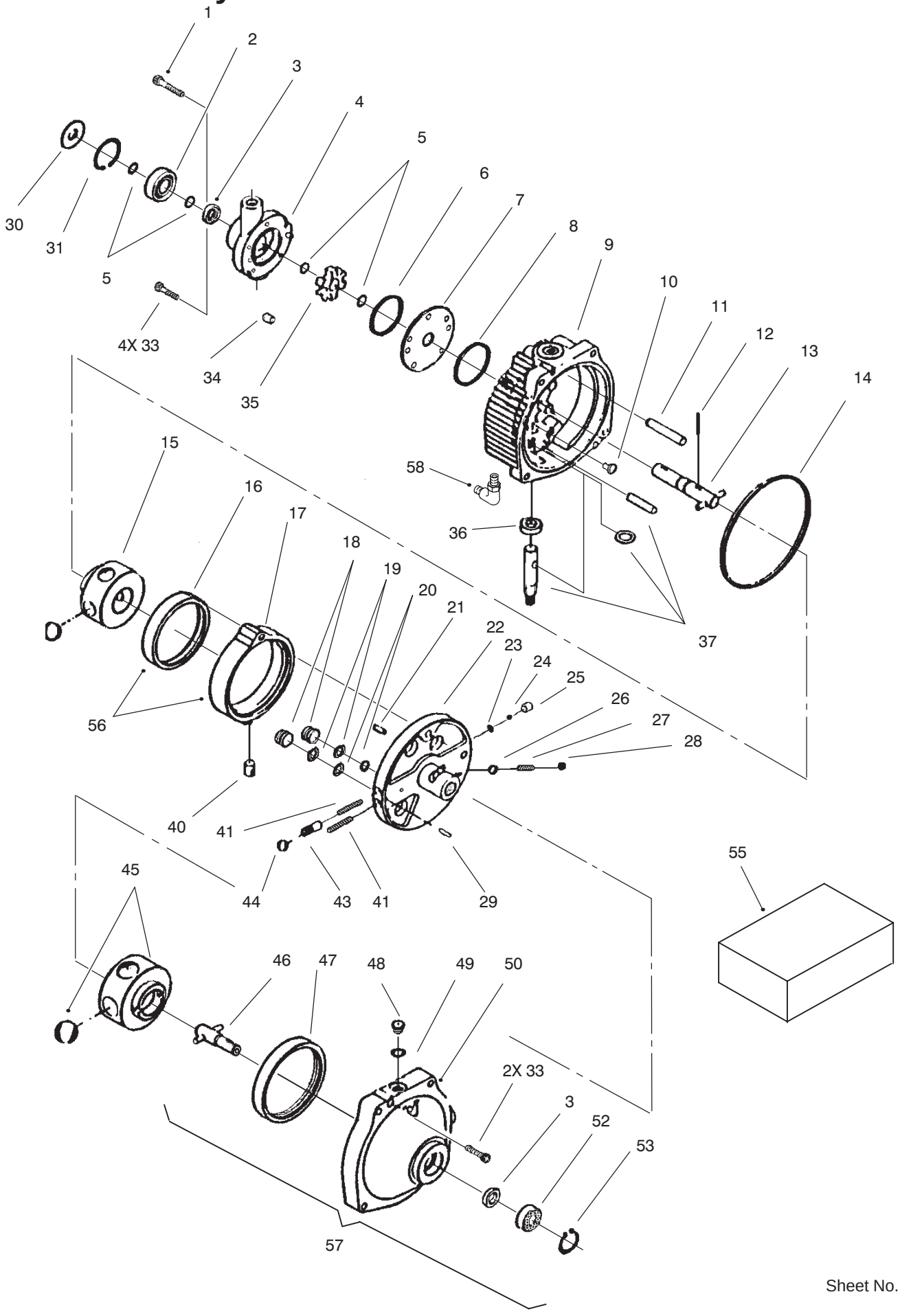
Sheet No.:16

Hydro Transaxle Assembly (continued)

Ref. No.	Part No.	Qty.	Description
1	1529	2	Bearing–Needle
2	94–2014	1	Tube – Shifter Rail
3	94–2054	1	Rail – Shift
4	94–2015	1	Fork – Hi/Lo Shift
5	933154	2	Pin–Roll
6	94–2143	1	Arm–Shifter
7	94–7510	1	Shift – Hi/Lo
8	3517	1	Ball–Detent
9	94–2024	1	Spring – Shift Detent
10	3247–2	1	Screw–Set, HS
11	94–7680–03	1	Dipstick
12	94–7559	1	Tube – Dipstick
13	32120–64	1	Ring–Snap, External
14	94–7565	1	Pinion – Bevel
15	702062	1	Gasket–Trans
16	94–7693	1	Fitting 90°
16:1	237–42	1	O–Ring
16:2	237–30	1	O–Ring
17	94–7969	1	Tube – Hydraulic
18	94–7694	1	Fitting–Straight
18:1	237–42	1	O–Ring
18:2	237–30	1	O–Ring
19	94–2148–03	1	Plate–Support Bracket
20	323–13	4	Screw–HH
21	2412–141	2	Clamp–Drive, Worm
22	95–4133	1	Hose – Suction

Ref. No.	Part No.	Qty.	Description
23	94–7692	1	Fitting – Hose
23:1	237–80	1	O–Ring
24	94–2003	1	Transmission – Hydro
25	99–8551	1	Plug–Pipe
26	108323	1	Base–Filter
27	5991	1	Fitting
28	98–3596	1	Ass'y–Oil Filter
29	321–5	2	Screw–HH
30	1535	3	Washer–Thrust
31	8571	1	Bearing–Thrust
32	94–7566	1	Gear – Bevel
33	94–2010	1	Shaft – Input
34	32151–29	2	Ring–Retaining
35	94–2011	1	Gear – Hi/Lo
36	323–9	3	Screw–HH
37	323–8	2	Screw–HH
38	3253–3	2	Washer–Lock
39	95–4138	1	Fitting–HYD. Straight
39:1	237–22	1	O–Ring
39:2	237–42	1	O–Ring
40	95–4135	1	Fitting – Hydraulic 45
40:1	237–42	1	O–Ring
40:2	237–22	1	O–Ring

Hydro Transmission No. 94–2003



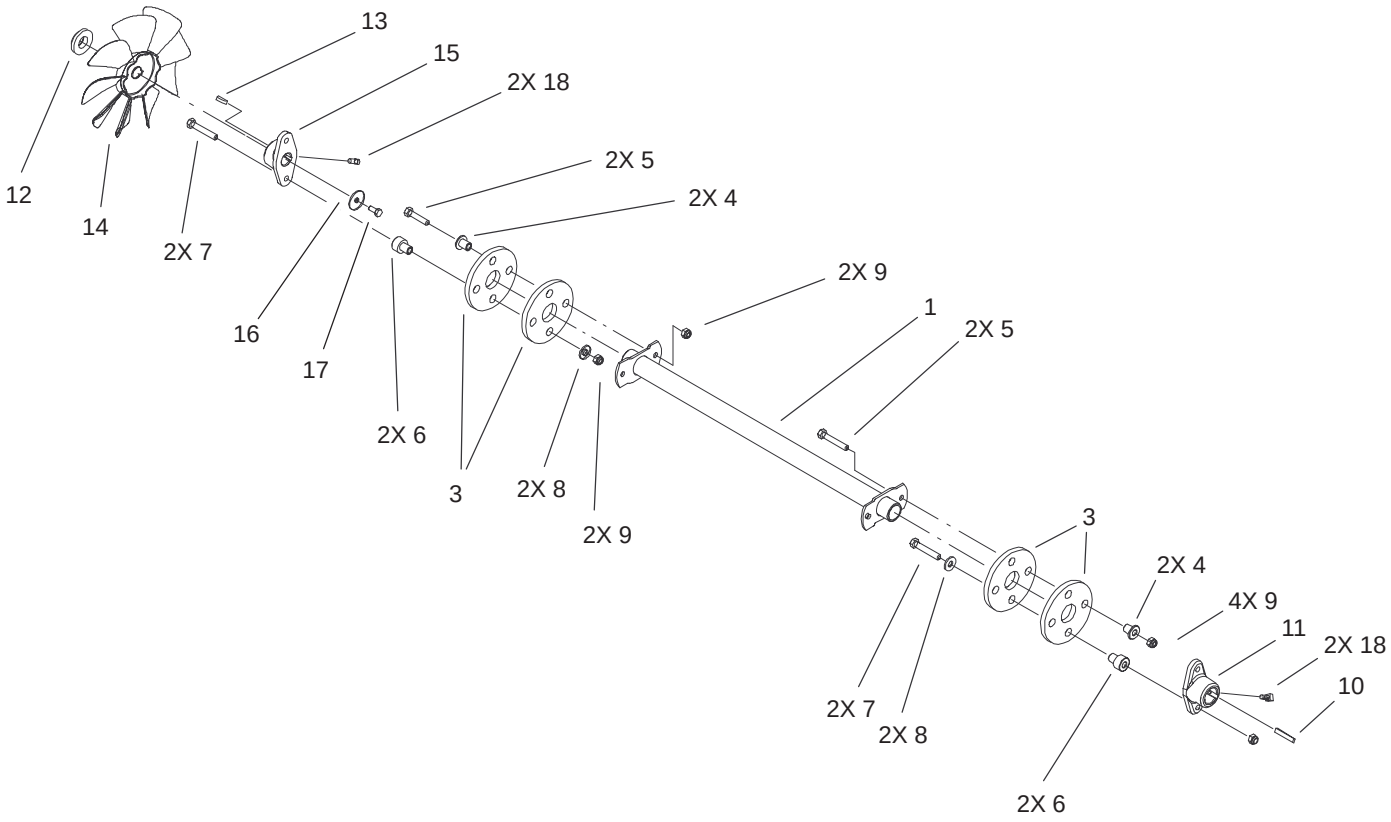
Sheet No.:A1

Hydro Transmission No. 94–2003

Ref. No.	Part No.	Qty.	Description
1	56–2800	1	Capscrew
2	56–2810	1	Bearing
3	56–2820	2	Oil Seal
4	98–7377	1	Pump Assembly
5	56–3090	4	Ring
6	56–2850	1	Seal
7	56–2860	1	Plate
8	56–2870	1	Seal
9	112641	1	Cover Sub ASM
10	56–2880	2	Button
11	56–2890	1	Pin
12	56–2900	1	Pin
13	56–2910	1	Shaft
14	56–2920	1	Seal
15	56–2930	1	Rotor
16	113136	1	Pump–Race
17	93–9810	1	Ring – Cam
18	56–2950	2	Piston
19	56–2960	2	Ring
20	56–2970	2	O–Ring
21	56–2980	1	Pin
22	56–2990	1	Pintle
23	56–3000	2	Ring
24	56–3010	2	Ball
25	56–3020	2	Body
26	56–3030	1	Ball
27	56–3040	1	Spring
28	56–3050	1	Plug
29	56–3060	1	Pin
30	112652	1	Shield–Grass
31	112653	1	Retaining–Ring
33	56–3100	6	Capscrew
34	56–3110	6	Roll
35	56–3120	1	Carrier
36	56–3130	1	Oil Seal
37	56–3140	1	Shaft Kit
40	56–3170	1	Insert
41	56–3180	2	Spring
43	56–3200	2	Body
44	56–3210	2	Ball
45	56–3220	1	Rotor
46	56–3230	1	Shaft
47	56–3240	1	Race
48	56–3250	1	Plug ASM
49	56–3260	1	O–Ring
☆50		1	Body
52	56–3280	1	Bearing
53	56–3290	1	Ring
55	56–3310	1	Seal Kit
56	56–2940	1	Cam Ring ASM
☆57		1	Body ASM
58	98–7378	1	Fitting – 90° Bent Tube

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

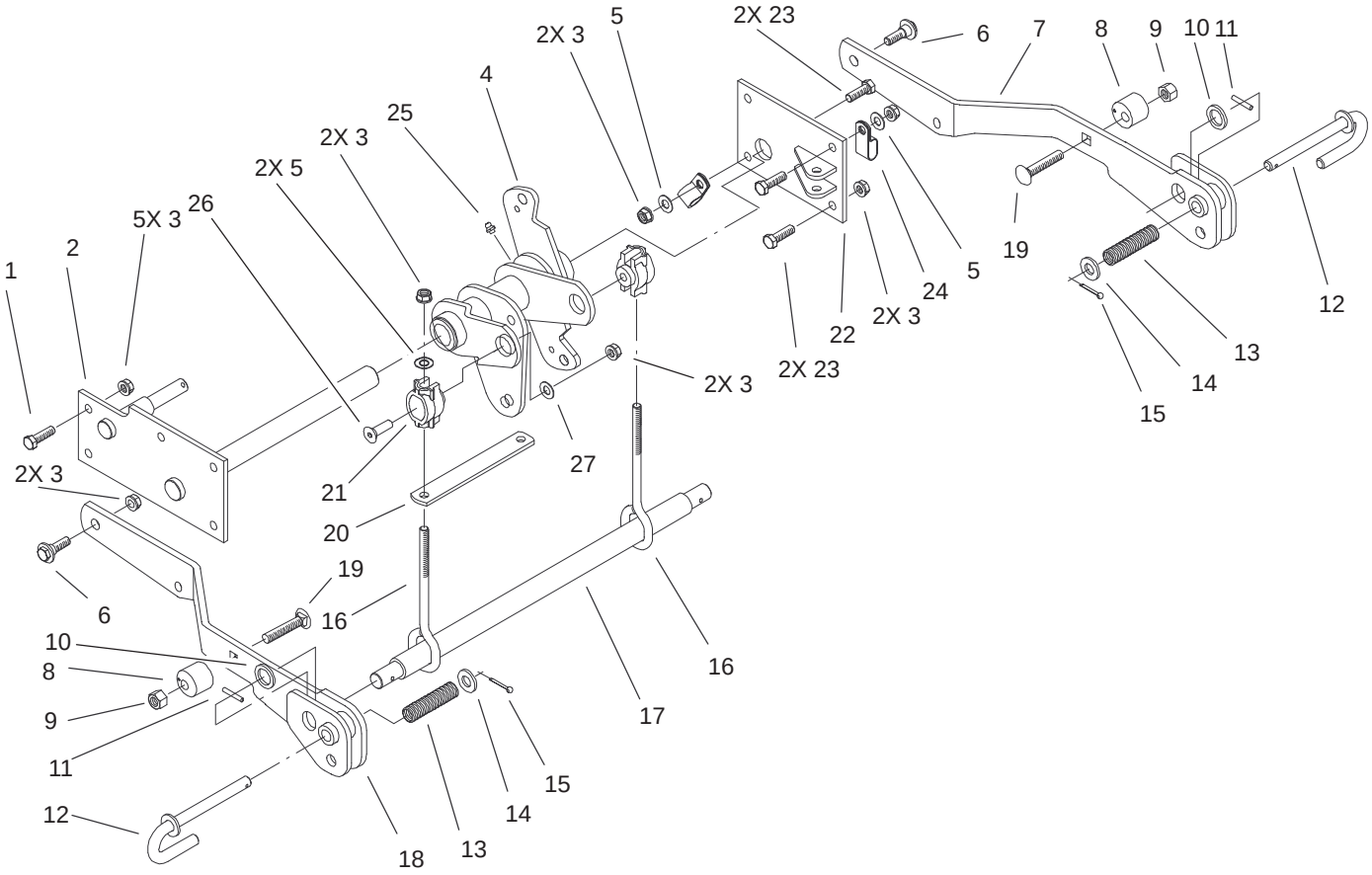


Sheet No.:17

Drive Shaft Assembly

Ref. No.	Part No.	Qty.	Description
1	94–2373–03	1	Shaft–Drive
3	44–2230	4	Coupling–Rubber
4	71–4411	4	Spacer
5	322–7	4	Screw–HH
6	71–4410	4	Spacer
7	322–11	4	Screw–HH
8	3256–3	4	Washer–Flat
9	3296–29	8	Nut–Lock, NI
10	94–2425	1	Key–Square
11	94–2059	1	Hub
12	94–2371	1	Spacer – Fan
13	937089	1	Key–Woodruff
14	95–4223	1	Fan – Hydro
15	99–4405	1	Hub
16	103995	1	Washer
17	94–7955	1	Screw–HH
18	94–7975	4	Screw–Set

Ref. No.	Part No.	Qty.	Description

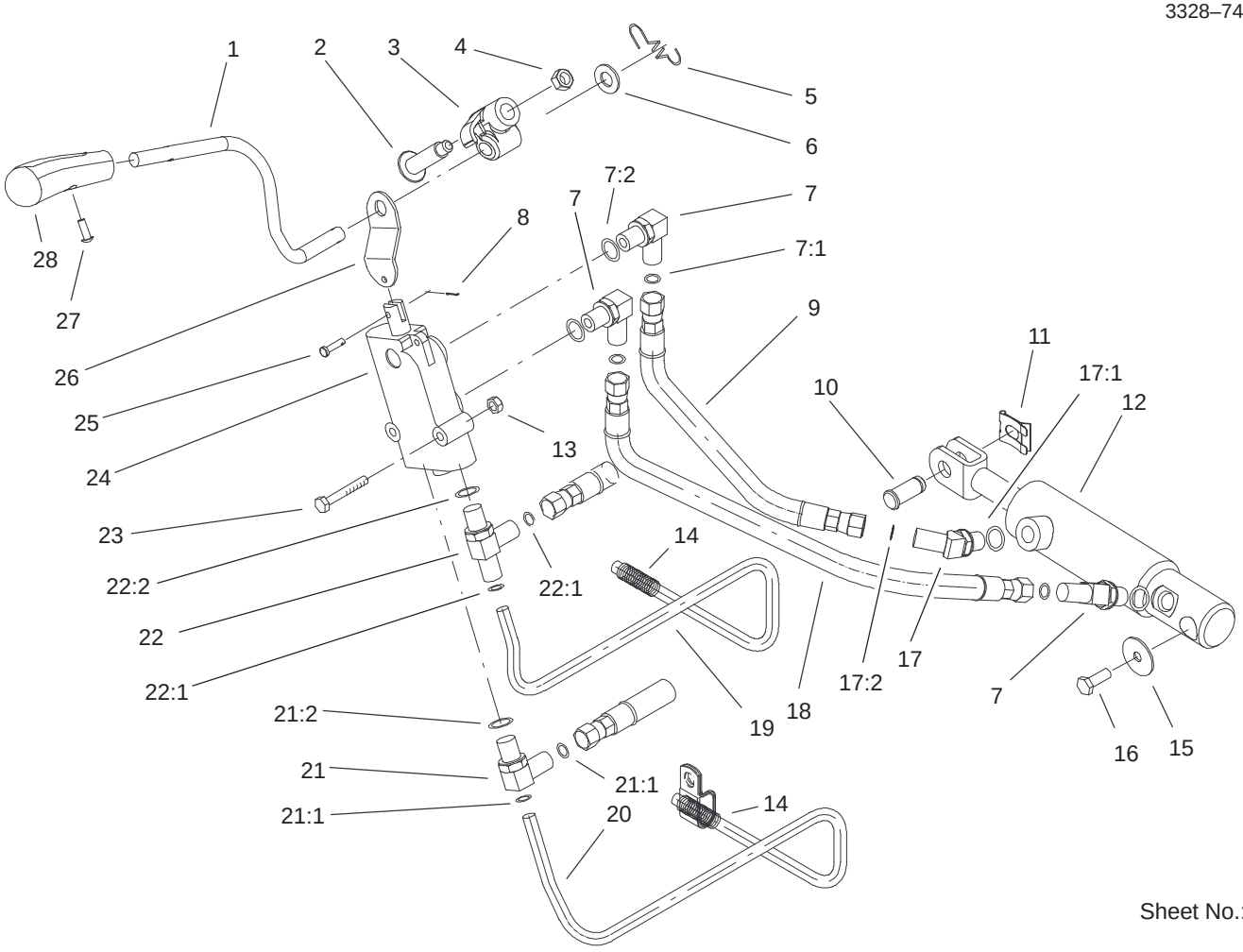


Sheet No.:18

Hydro Lift Lower Assembly

Ref. No.	Part No.	Qty.	Description
1	323–7	5	Screw–HH
2	94–2263–03	1	Support–Deck Lift
3	3296–39	15	Nut–Lock, NI
4	99–4430	1	Bellcrank And Bushing ASM
5	3256–24	4	Washer–Flat
6	614672	2	Bolt–Shoulder
7	94–2279–03	1	Arm–Lift LH
8	94–2411	2	Stop – Lift Adj
9	3296–48	2	Nut–Lock, NI
10	3256–28	2	Washer–Flat
11	32121–79	2	Pin–Roll
12	94–2301	2	Pin – J
13	95–4256	2	Spring–Compression
14	3256–26	2	Washer–Flat
15	3272–10	2	Pin–Cotter
16	104–5079	2	Rod–Lift
17	94–2277–03	1	Bar – Lift
18	94–2278–03	1	Arm–Lift RH
19	3232–5	2	Screw–CARR
20	94–7600–03	1	Spacer–Strap
21	99–2344	2	Sleeve–Lift
22	94–7578–03	1	Plate – LH Support
23	323–18	4	Screw–HH
24	98–1617	1	Clamp–Tube
25	302–5	1	Fitting–Grease

Ref. No.	Part No.	Qty.	Description
26	99–8051	2	Screw
27	99–6496	2	Washer–Flat

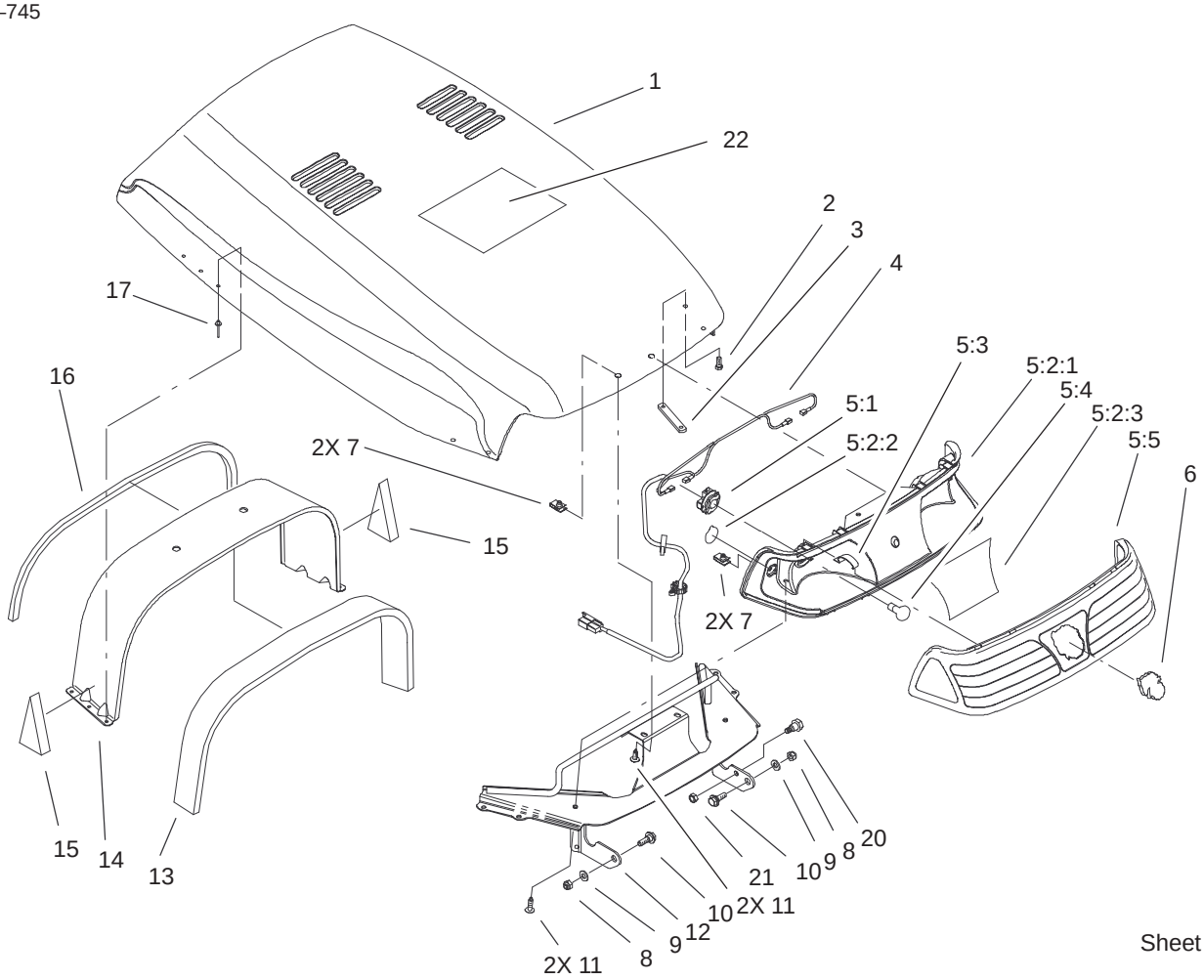


Sheet No.:19

Hydro Lift Upper Assembly

Ref. No.	Part No.	Qty.	Description
1	94–7714	1	Handle – Lift
2	92–1099	1	Bolt–Shoulder
3	95–4168	1	Trunnion – Lift Lever
4	610358	1	Nut–Jam, Locking
5	95–4221	1	Spring – Lift Extension
6	95–4235	1	Washer
7	95–4141	3	Fitting – Hydraulic 90
7:1	237–21	1	O–Ring
7:2	237–42	1	O–Ring
8	3272–1	1	Pin–Cotter
9	94–7945	1	Hose ASM
10	98–1639	1	Pin–Clevis
11	95–4064	1	Clip–Pin
12	94–2300	1	Lift Cylinder ASM
13	3296–42	2	Nut–Lock, NI
14	95–4258	2	Cover – Brace
15	3256–57	1	Washer–Flat
16	95–4245	1	Screw – Thread Locking
17	95–4136	1	Fitting – Hydraulic 45
17:1	237–42	1	O–Ring
17:2	237–21	1	O–Ring
18	94–7944	1	Hose ASM
19	94–7970	1	Tube – Hydraulic
20	95–3806	1	Tube – Hydraulic

Ref. No.	Part No.	Qty.	Description
21	95–4138	1	Fitting–HYD. Straight
21:1	237–22	1	O–Ring
21:2	237–42	1	O–Ring
22	95–4137	1	Fitting – Hydraulic Long
22:1	237–42	1	O–Ring
22:2	237–22	1	O–Ring
23	321–10	2	Screw–HH
24	94–2458	1	Valve – Hydro Lift
25	283–16	1	Pin–Clevis
26	98–1620	1	Link – Lift
27	95–4236	1	Tscrew – PPH
28	94–2100	1	Knob – Lift



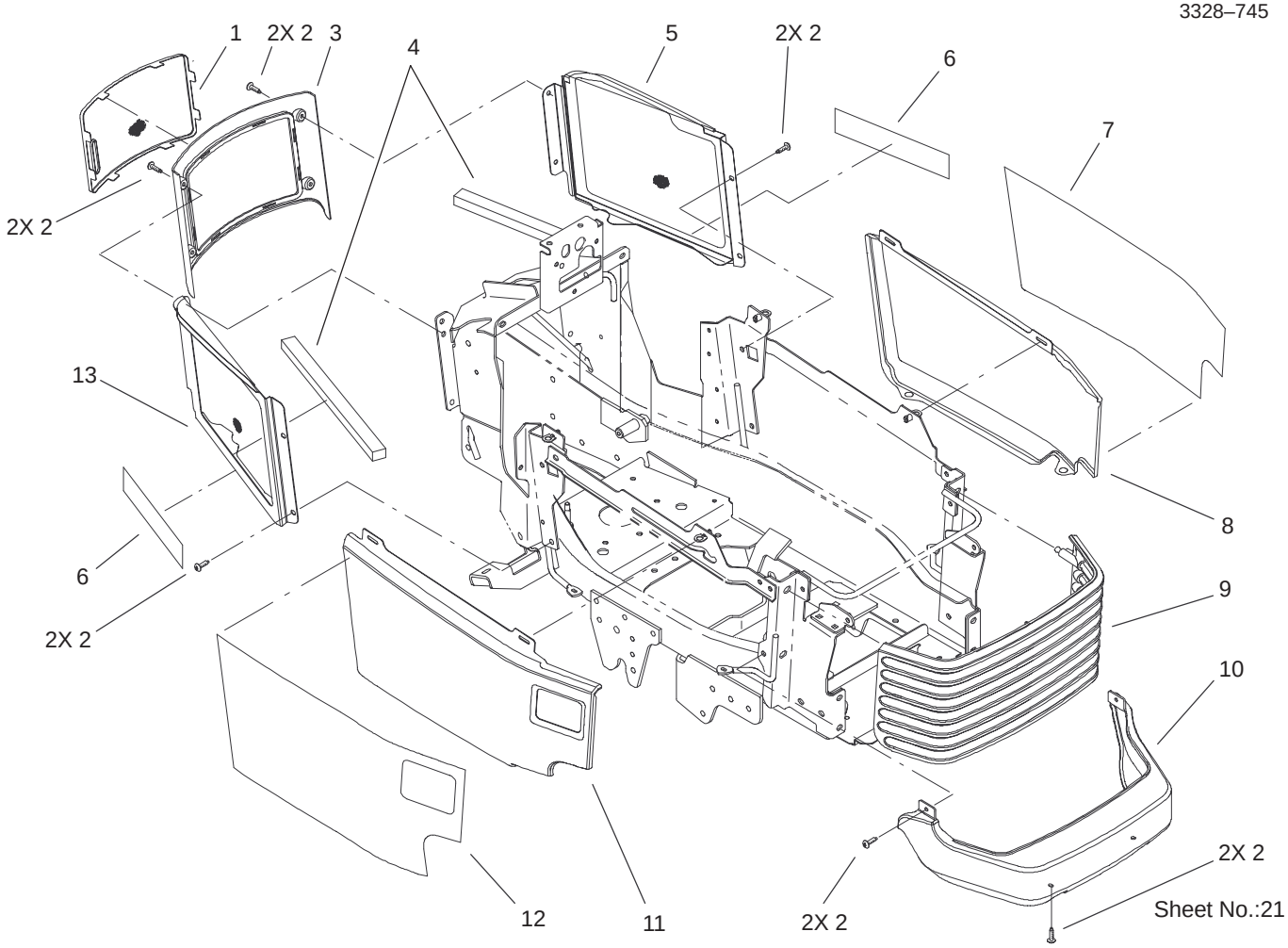
Sheet No.:20

Hood and Headlight Assembly

Ref. No.	Part No.	Qty.	Description
1	98–7205	1	Hood ASM
2	63–8590	4	Screw
3	99–2323	2	Plate–Nut
4	95–0691	1	Harness – Wire,Lights
*5	95–4166	1	Headlight ASM
5:1	98–3591	2	Sealed Socket ASM
*5:2	98–7210	1	Light Reflector ASM
5:2:1	94–2098	1	Reflector – Headlight
5:2:2	98–1602	2	Decal – Sidelight
5:2:3	98–3597	1	Decal–Headlight Reflector
5:3	95–4129	4	Clip – Retainer
5:4	7228	2	Bulb
5:5	94–2099	1	Lens – Headlight
6	95–4248	1	Logo–Horsehead
7	107069	4	Clip
8	3296–29	2	Nut–Lock, NI
9	3256–23	2	Washer–Flat
10	27–0410	2	Screw–Shoulder
11	92–7020	4	Screw–HH
12	99–4962–03	1	Bulkhead–Front
13	95–4078	1	Foam Seal–Rear
14	95–3902–03	1	Bulkhead–Rear
15	95–4259	2	Foam – Lower Bulkhead
16	95–4233	1	Foam – Tape

Ref. No.	Part No.	Qty.	Description
17	3269–12	6	Rivet–Pop
20	92–6986	1	Bolt–Shoulder
21	3296–47	1	Nut–Lock, NI
22	105–1487	1	Decal–Maintenance 5xi

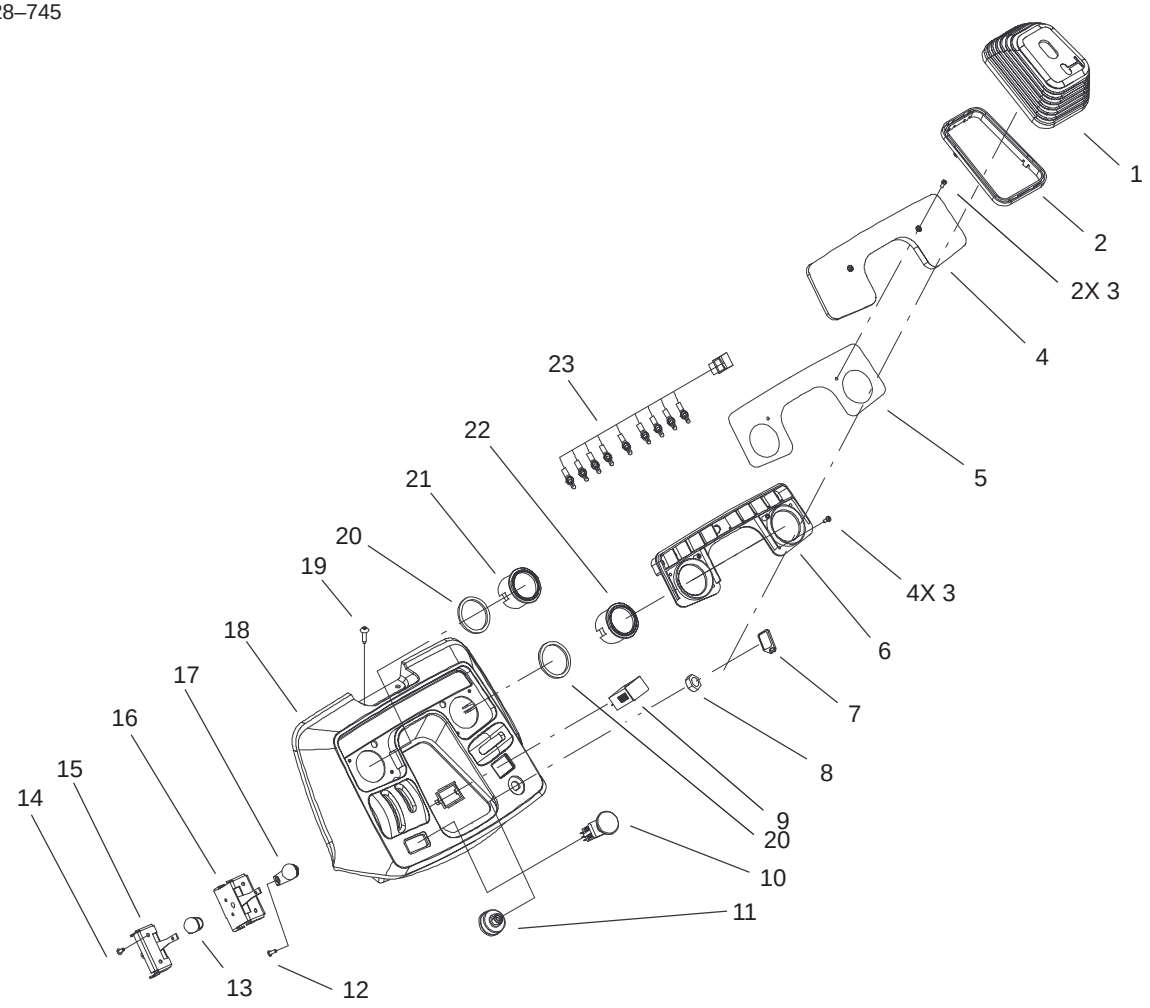
* Not illustrated



Grill and Side Panel Assembly

Ref. No.	Part No.	Qty.	Description
1	98–8714–03	1	Screen – Rear
2	92–7020	12	Screw–HH
3	94–2093	1	Cover – Rear
4	95–4231	2	Foam – Seal, Side Screen
5	95–4114–03	1	Cover–Side LH
6	106–5834	2	Decal–520 Xi
7	106–5837	1	Decal–Hood LH
8	94–2088–01	1	Sidpnl–LH Hood
9	94–2104	1	Grill
10	94–2103	1	Cover – Bumper
11	94–2087–01	1	Sidepanel–RH Hood
12	106–5836	1	Decal–Hood RH
13	95–4113–03	1	Cover–RH Side

Ref. No.	Part No.	Qty.	Description

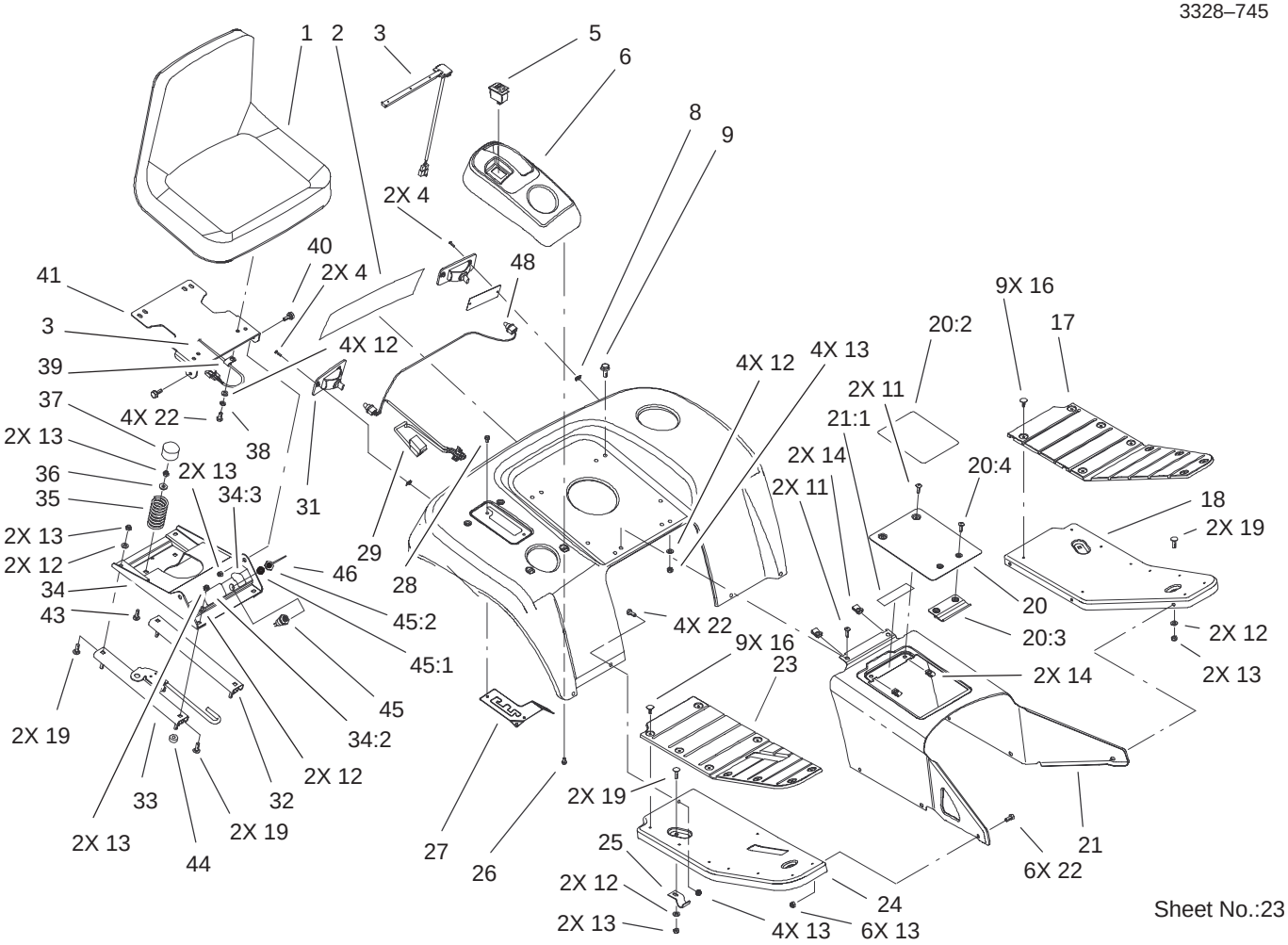


Sheet No.:22

Dash Assembly

Ref. No.	Part No.	Qty.	Description
1	94–2102	1	Boot – Steering
2	95–3844	1	Retainer – Boot
3	95–4234	6	Screw–Pan Hd
4	95–3842	1	Lens – Dash
5	95–4072	1	Decal – Dash Lens
6	95–3843	1	Housing–Light, Dash
7	62–7770	1	Key–Ignition
8	700919	1	Nut
9	94–4208	1	Hourmeter
10	95–7489	1	Switch–PTO
11	92–6785	1	Switch–Ignition
12	95–4236	2	Tscrew – PPH
13	94–2121	1	Knob – Throttle
14	32144–32	4	Screw
15	95–4036	1	Throttle Control ASM
16	95–4035	1	Choke Control ASM
17	94–2122	1	Knob – Choke
18	94–2101	1	Dash
19	92–7020	4	Screw–HH
20	95–4238	2	Gasket – Foam
21	94–7616	1	Gauge – Oil Temperature
22	95–3830	1	Gauge–Fuel
23	99–3720	1	Harness–Light

Ref. No.	Part No.	Qty.	Description

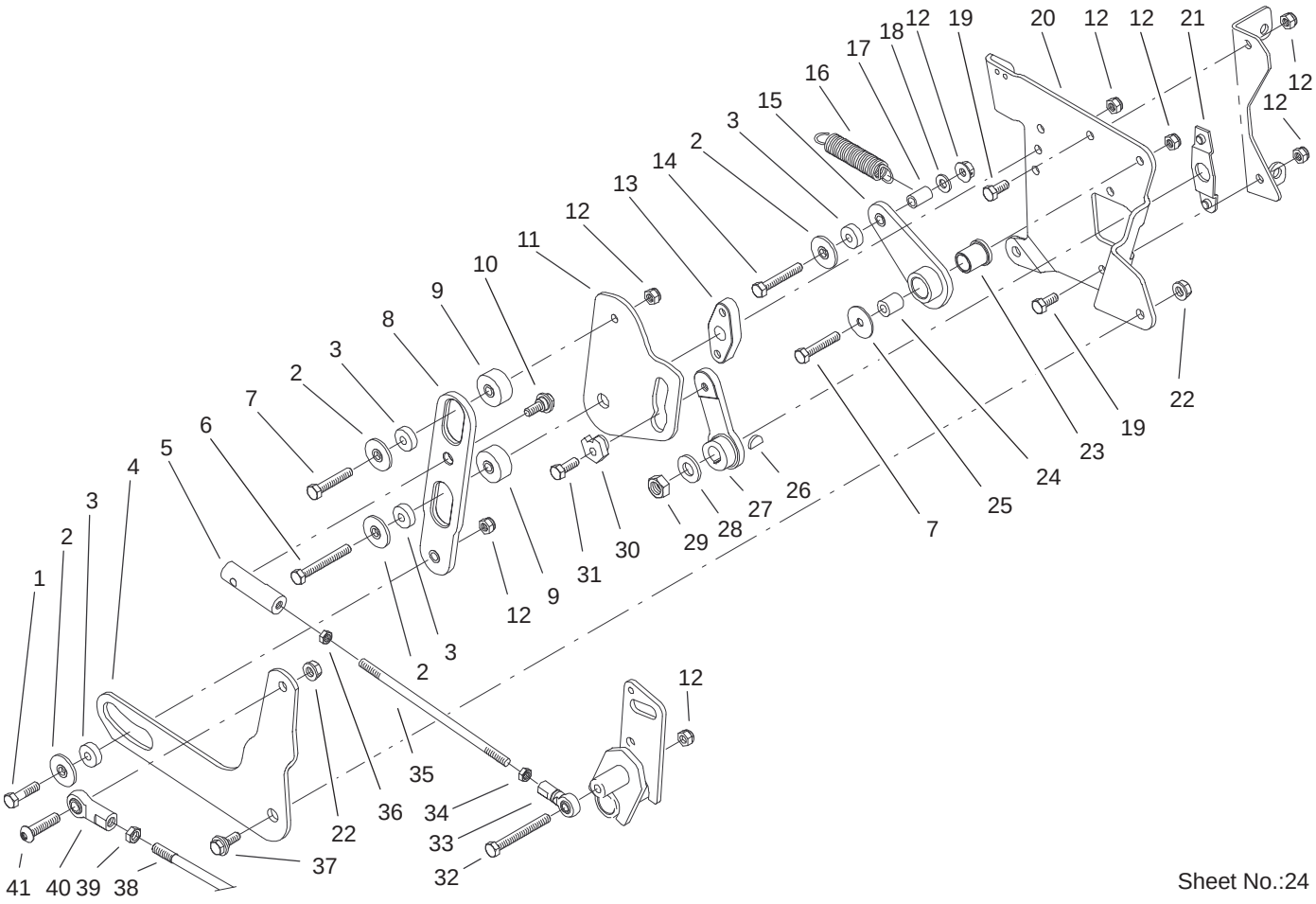


Sheet No.:23

Fender, Footrest and Seat Assembly

Ref. No.	Part No.	Qty.	Description
1	94–3518	1	Seat
2	106–5835	1	Decal–Rear Fender
3	38–1420	1	Switch–Seat
4	3250–29	4	Screw–PPH
5	94–7602	1	Switch – Cruise
6	94–2120	1	Pod – Control
8	95–4115	4	Nut – Speed
9	3234–29	4	Screw–HHF
11	92–7020	4	Screw–HH
12	3256–23	16	Washer–Flat
13	3296–29	26	Nut–Lock, NI
14	107069	4	Clip
16	3290–479	18	Fastener–Panel
17	94–2096	1	Pad – LH Footrest
18	94–2090–01	1	Footrest – LH
19	3230–16	8	Screw–CARR
20	99–6089	1	Cover/Decal ASM
20:2	99–6090	1	Decal–Danger
20:3	95–4107	1	Retainer – Cover
20:4	94–4496	2	Screw–PPH
21	98–5025	1	Tunnel ASM
21:1	80–8760	1	Decal–Danger
22	322–3	14	Screw–HH
23	94–2095	1	Pad – RH Footrest
24	94–2089–01	1	Footrest – RH
25	95–3858	2	Bracket–Footrest

Ref. No.	Part No.	Qty.	Description
26	32144–20	4	Screw–Thread Forming
27	98–8711–03	1	Gate – Hi/Lo Shift
28	32144–4	2	Screw–HWH
29	99–3726	1	Harness–Rear
31	94–2124	2	Lamp – Taillight
32	94–2112	1	Slide – Seat Slave
33	94–2177	1	Slide – Seat Latch
34	104–2495	1	Seat Base ASM
34:2	99–2985	1	Danger–Decal
34:3	99–5339	1	Decal
35	94–2106–03	2	Spring – Compression
36	105503	2	Bushing
37	95–4242	2	Cap – Seat Spring
38	3253–4	4	Washer–Lock
39	98–2390	1	Clamp – R
40	37–8771	2	Bolt–Shoulder
41	104–4345–03	1	Mount–Seat
43	3230–22	2	Screw–CARR
44	4–2390	4	Washer–Flat
45	46–5780	1	Switch–Starter
45:1	3254–5	1	Washer–Tooth
45:2	218–461	1	Nut–HH
46	62–7770	1	Key–Ignition
48	109045	2	Light Bulb

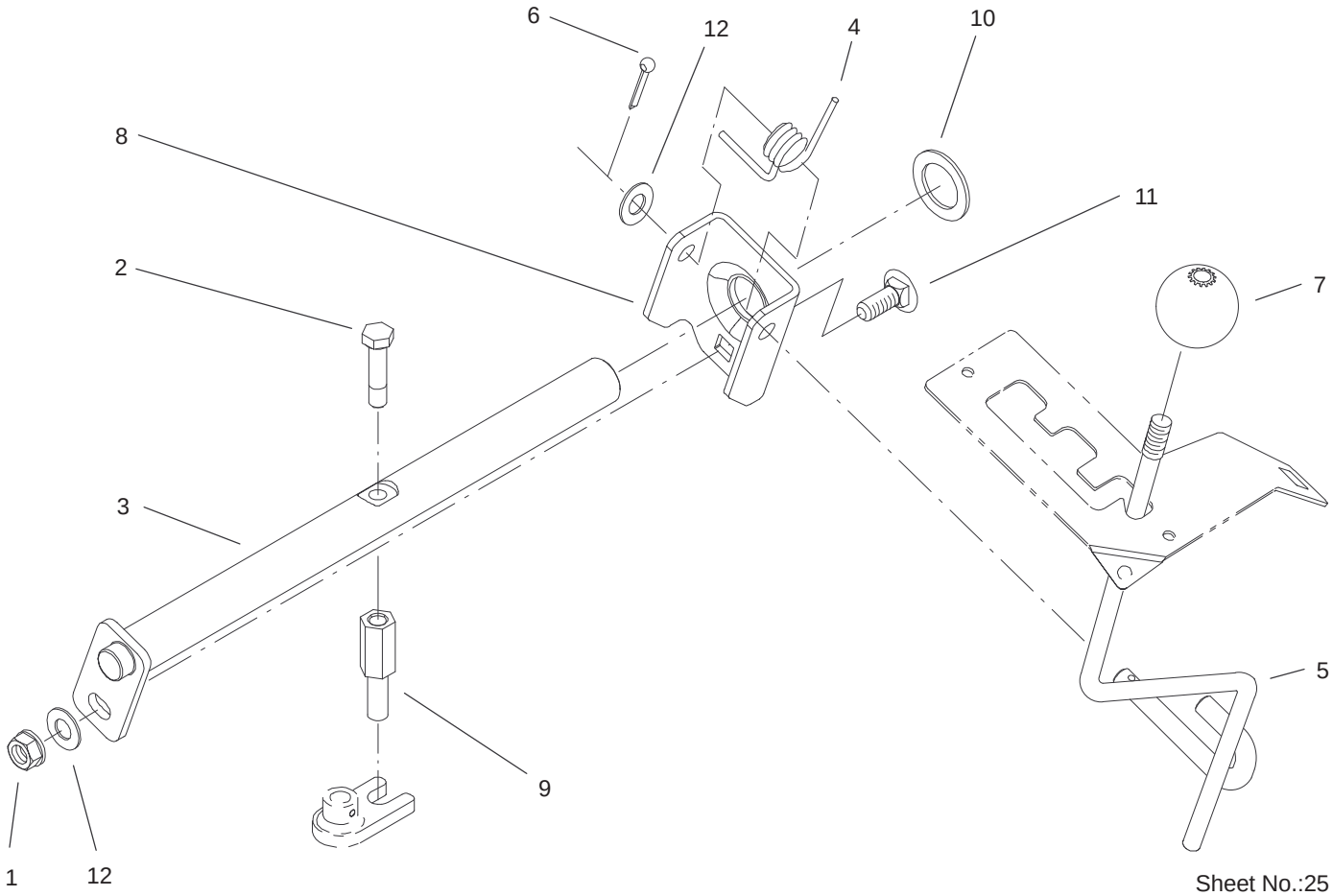


Sheet No.:24

Smart Turn Rear Assembly

Ref. No.	Part No.	Qty.	Description
1	322–6	1	Screw–HH
2	94–2313	4	Retainer – Bearing
3	95–4185	4	Bearing – Ball
4	95–3801–03	1	Slider–Lift
5	94–7637	1	End–Rod, RH
6	322–12	1	Screw–HH
7	322–9	2	Screw–HH
8	94–2144	1	Slider – Speed Control
9	94–2169	2	Standoff – Cam Plate
10	94–7817	1	Bolt–Shoulder
11	94–2145	1	Plate – Cam
12	3296–29	8	Nut–Lock, NI
13	94–2168	1	Standoff – Slider
14	322–10	1	Screw–HH
15	94–7586	1	Arm–Return To Neutral
16	63–1590	1	Spring–Idler
17	94–2309	1	Standoff – Spring
18	3256–23	1	Washer–Flat
19	322–3	2	Screw–HH
20	99–8053–03	1	Plate–Control
21	94–7814	1	Locator–Control Plate
22	108881	2	Nut
23	94–7913	1	Bushing – Flanged
24	94–7564	1	Spacer
25	3256–57	1	Washer–Flat

Ref. No.	Part No.	Qty.	Description
26	3257–24	1	Key–Woodruff
27	94–7816	1	Arm – Speed Control
28	3256–26	1	Washer–Flat
29	3296–45	1	Nut–Lock, NI
30	94–2468	1	Cam
31	95–4245	1	Screw – Thread Locking
32	322–13	1	Screw–HH
33	94–7571	1	End – RH Rod
34	3220–20	1	Nut–Jam
35	94–2497	1	Rod – Slider To Pivot
36	3220–2	1	Nut
37	94–7582	1	Bolt – Shoulder
38	94–7500	1	Rod–Lift
39	3220–3	1	Nut–Jam
40	92–7008	1	End–Rod, Female
41	95–3857	1	Screw–HSBH

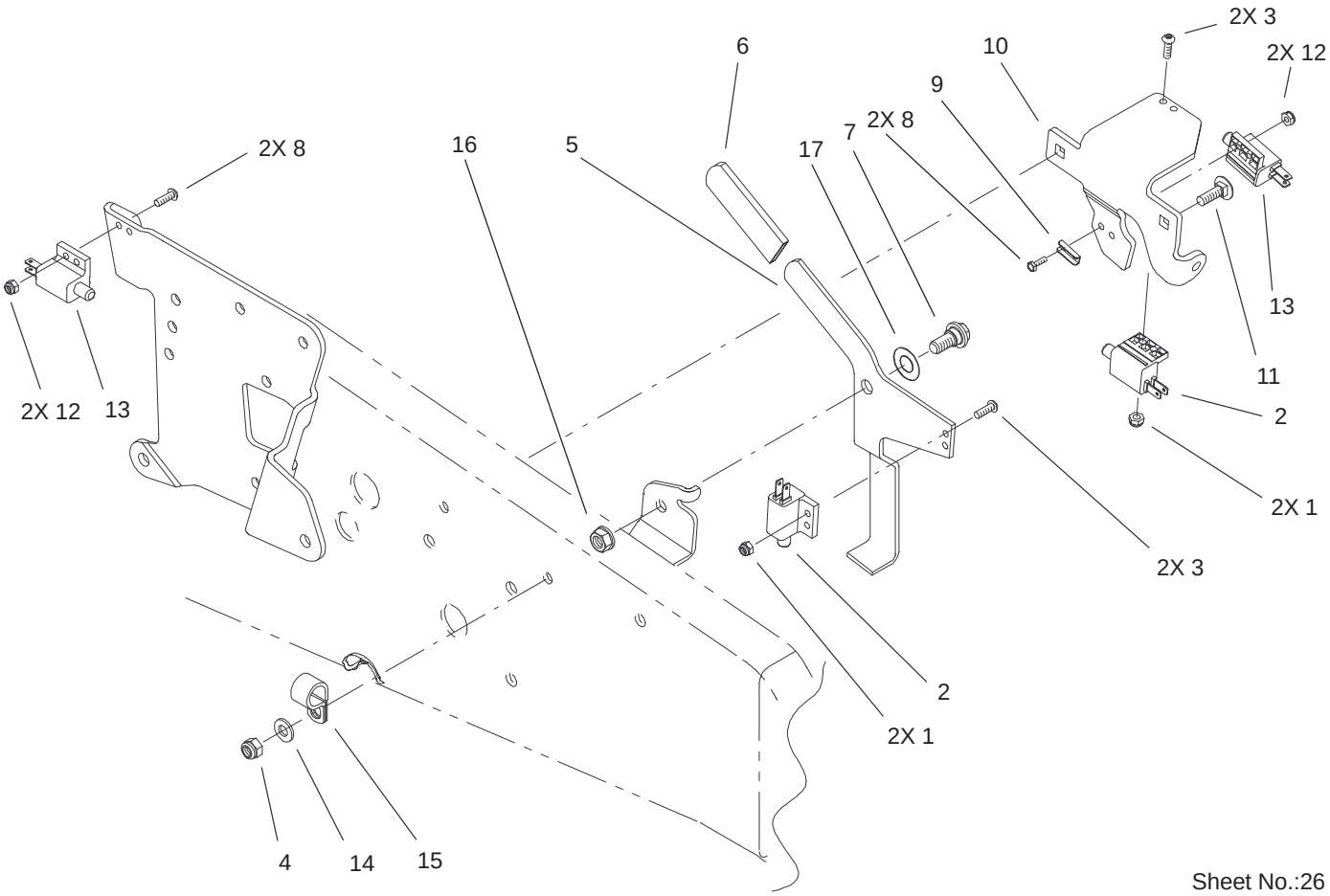


Sheet No.:25

Hi–Lo Shift Assembly

Ref. No.	Part No.	Qty.	Description
1	3296–39	1	Nut–Lock, NI
2	99–4953	1	Screw–Thread Locking
3	99–4445	1	Shift Rod ASM
4	99–4446	1	Spring–Torsion
5	99–4448	1	Lever–Shift
6	3272–10	1	Pin–Cotter
7	95–4022	1	Knob – Hi/Lo Shift
8	99–4951	1	Bracket–Pivot
9	99–4952	1	Rod–Shift Pivot
10	99–4958	1	Spacer–Shift
11	3231–22	1	Screw–CARR
12	3256–24	2	Washer–Flat

Ref. No.	Part No.	Qty.	Description

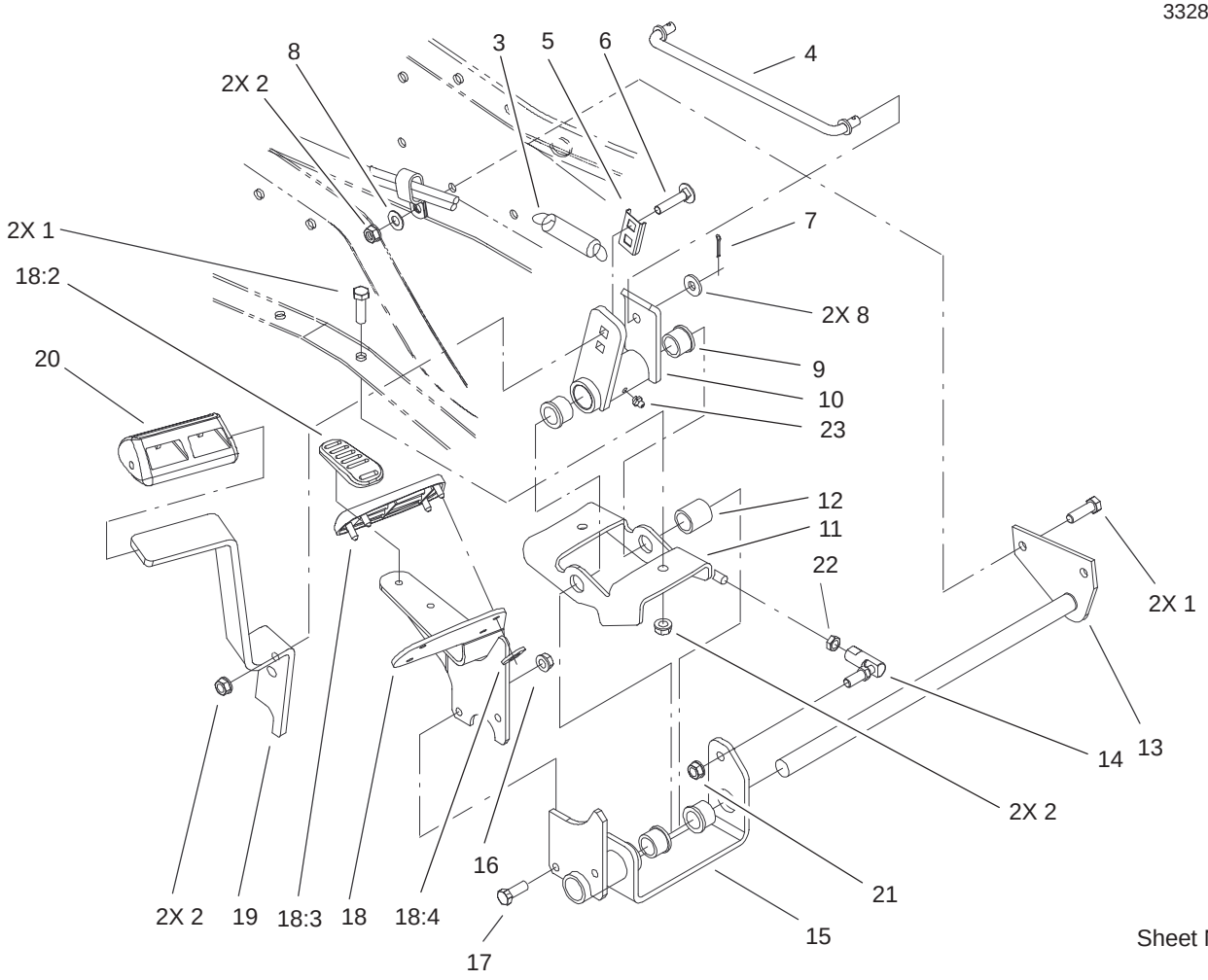


Sheet No.:26

Parking Brake Upper Assembly

Ref. No.	Part No.	Qty.	Description
1	3296–2	4	Nut–Lock
2	65–7410	2	Switch–Pole, Single
3	3274–14	4	Screw–HSH
4	3296–29	2	Nut–Lock, NI
5	94–2157–03	1	Latch–Parking Brake
6	102597	1	Grip
7	94–7582	1	Bolt – Shoulder
8	99–8128	4	Screw
9	94–7905	1	Retainer–Screw
10	94–7562–03	1	Bracket – Switch
11	3230–16	2	Screw–CARR
12	3296–1	4	Nut–Lock, NI
13	95–1653	2	Switch–Pole, Single
14	3256–23	1	Washer–Flat
15	98–2358	1	Clamp – R
16	108881	1	Nut
17	98–3087	1	Washer

Ref. No.	Part No.	Qty.	Description

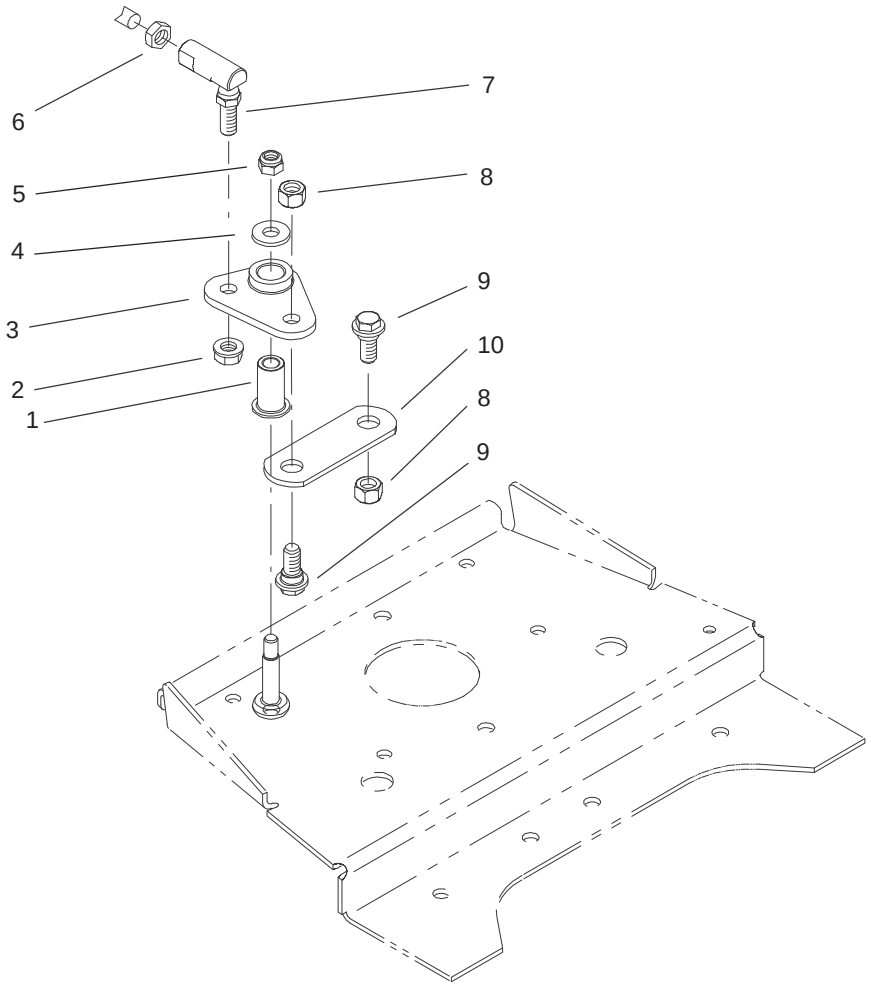


Sheet No.:27

Hydro Control Assembly

Ref. No.	Part No.	Qty.	Description
1	323–7	4	Screw–HH
2	3296–39	6	Nut–Lock, NI
3	63–1590	1	Spring–Idler
4	94–2499	1	Rod–Pivot Plate To Pedal
5	94–7818	1	Retainer – Screw
6	3231–25	2	Screw–CARR
7	3272–10	2	Pin–Cotter
8	3256–24	3	Washer–Flat
9	98–1636	4	Bushing – Flange
10	94–2351–03	1	Bracket–Brake
11	94–2343–03	1	Bracket – Support
12	94–7501	1	Spacer – Pedal
13	94–2345–03	1	Shaft–Pivot
14	94–7572	1	End–RH Tie Rod
15	94–2342–03	1	Bracket–Foward/Reverse
16	3296–29	2	Nut–Lock, NI
17	322–5	2	Screw–HH
18	99–8050	1	Hydro Pedal ASM
18:2	98–9039	1	Heel Pad–Hydro Pedal
18:3	98–9040	1	Toe Pad–Hydro Pedal
18:4	32112–6	6	Pushnut
19	94–2352–03	1	Pedal – Brake
20	94–2123	1	Pad – Brake Pedal
21	3296–6	1	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description
22	3220–3	1	Nut–Jam
23	302–5	1	Fitting–Grease

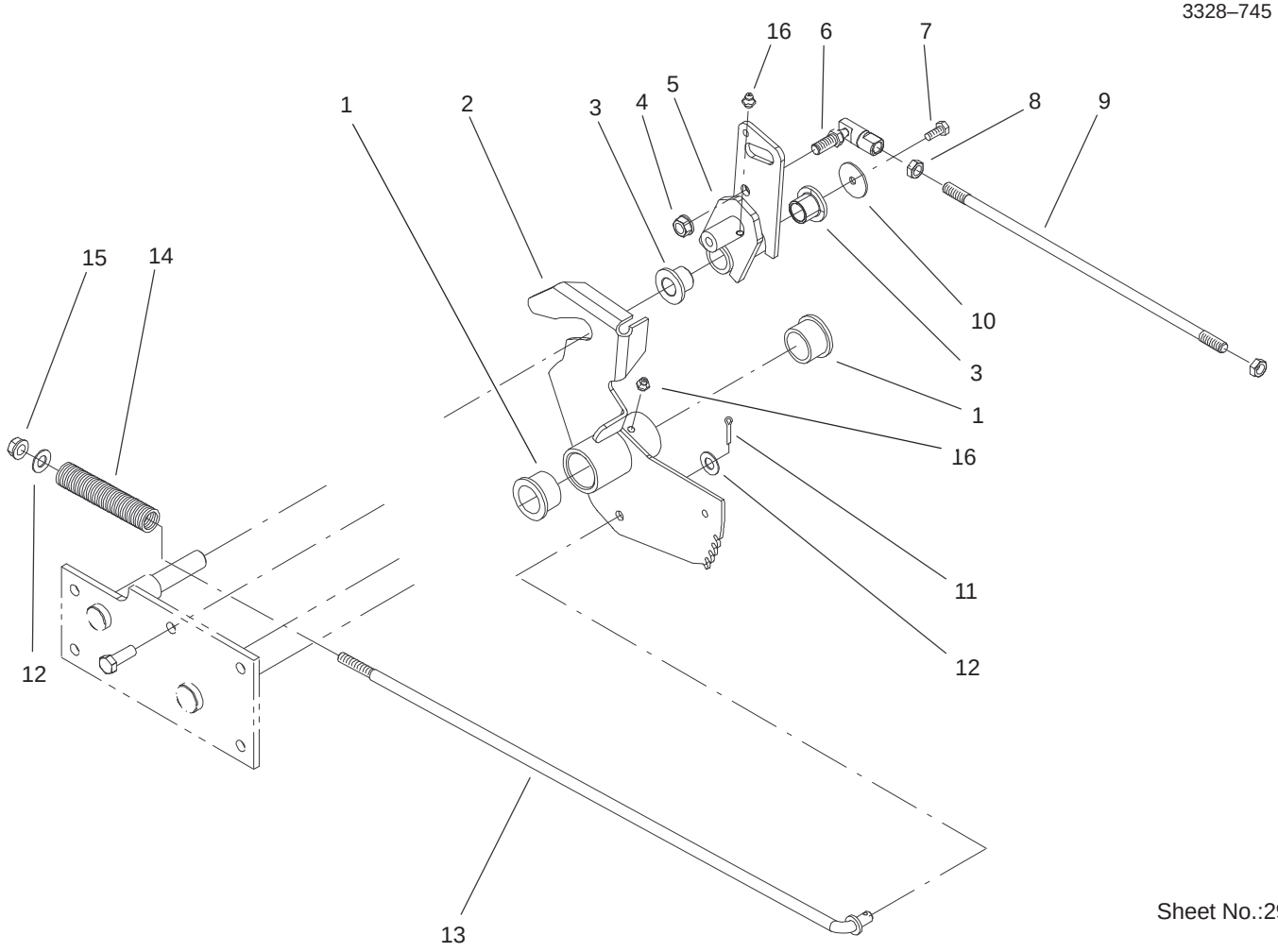


Sheet No.:28

Smart Turn Front Assembly

Ref. No.	Part No.	Qty.	Description
1	94–7919	1	Bushing
2	3296–6	1	Nut–Lock, NI
3	94–7579	1	Lever – Slow Down
4	98–3499	1	Washer–Flat
5	3296–29	1	Nut–Lock, NI
6	3220–16	1	Nut–Jam, LH
7	94–7573	1	End – LH Tie Rod
8	108881	2	Nut
9	94–7582	2	Bolt – Shoulder
10	94–2409	1	Link–Slow Down

Ref. No.	Part No.	Qty.	Description

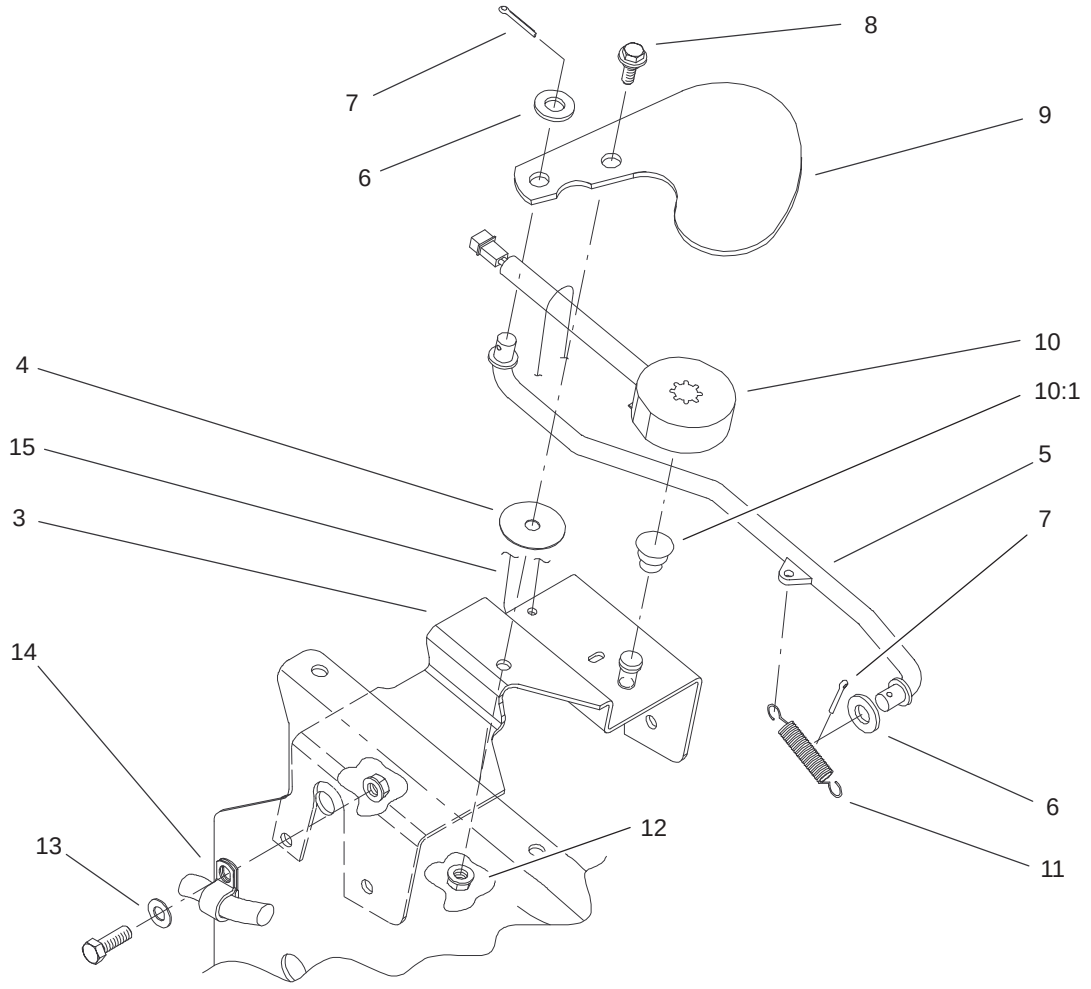


Sheet No.:29

Parking Brake Lower Assembly

Ref. No.	Part No.	Qty.	Description
1	94–7574	2	Bushing – Flanged
2	94–2375–03	1	Plate–Brake Pivot
3	94–7569	2	Bushing
4	3296–6	1	Nut–Lock, NI
5	94–2488–03	1	Pivot–Hydro
6	94–7573	1	End – LH Tie Rod
7	94–7955	1	Screw–HH
8	3220–16	1	Nut–Jam, LH
9	94–2498	1	Rod – Pivot To Pedal
10	3256–55	1	Washer–Flat
11	3272–10	1	Pin–Cotter
12	3256–24	2	Washer–Flat
13	94–2393	1	Rod – Brake
14	94–7906	1	Spring – Compression
15	3296–39	1	Nut–Lock, NI
16	302–5	2	Fitting–Grease

Ref. No.	Part No.	Qty.	Description

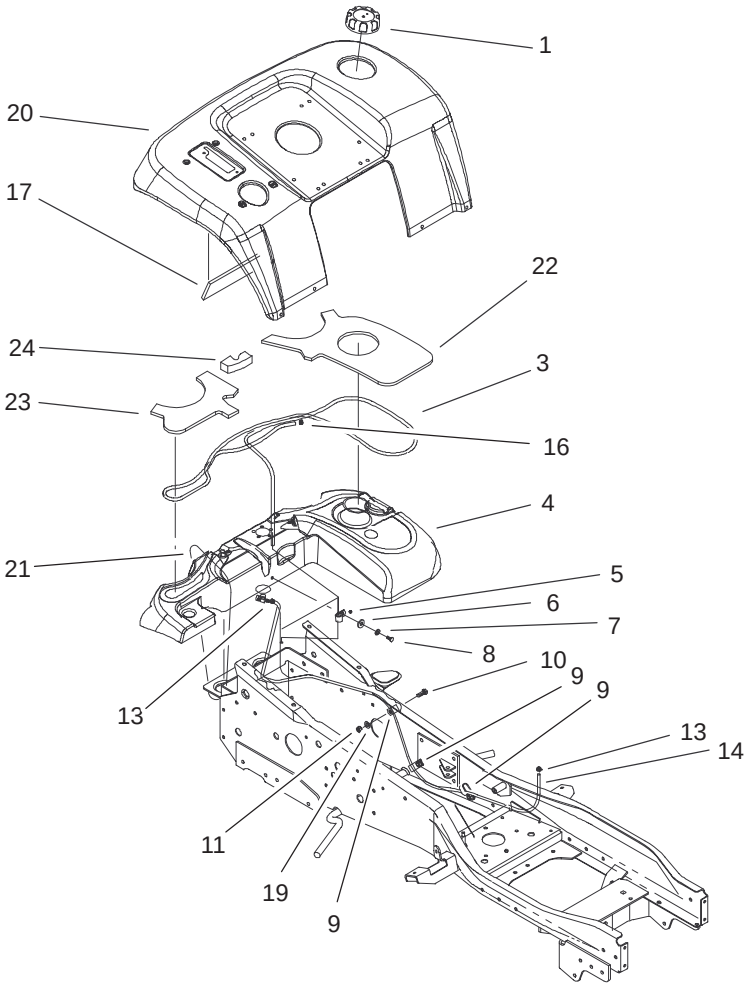


Sheet No.:30

Cruise Control Assembly

Ref. No.	Part No.	Qty.	Description
3	99–6097–03	1	Brkt–Cruise
4	94–7575	1	Spacer – Cruise
5	94–7980	1	Rod–Cruise Control
6	3256–26	2	Washer–Flat
7	3272–10	2	Pin–Cotter
8	94–7582	1	Bolt – Shoulder
9	99–5309	1	Plate – Magnet
10	99–8090	1	Magnet ASM
10:1	93–6601	1	Spring–Compression
11	66–4160	1	Spring–Upper Solenoid
12	108881	1	Nut
13	3256–24	2	Washer–Flat
14	98–2358	2	Clamp – R
15	614249	1	Strap–Tie

Ref. No.	Part No.	Qty.	Description

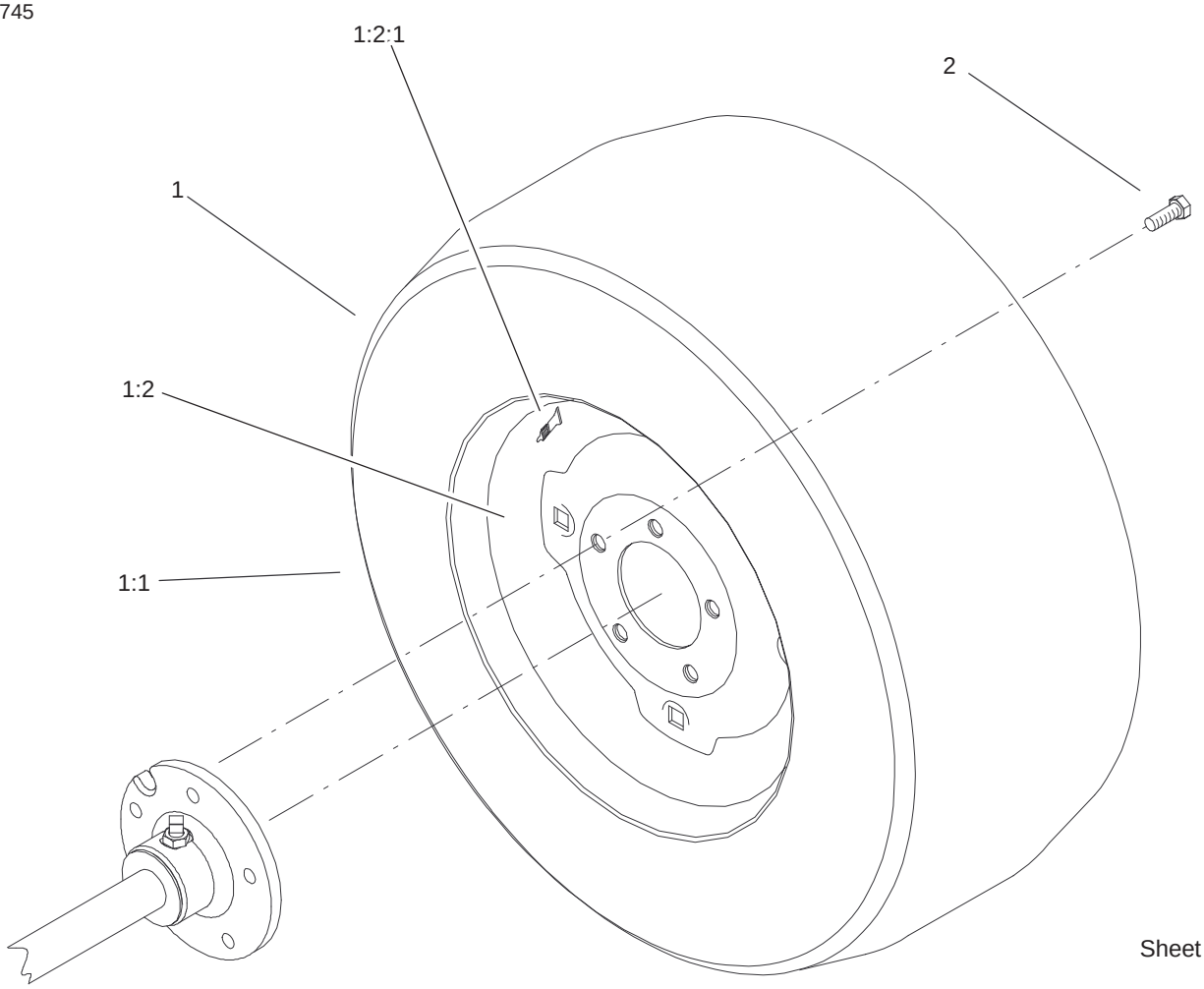


Sheet No.:31

Fender and Fuel System Assembly

Ref. No.	Part No.	Qty.	Description
1	95–4192	1	Unleaded Gas Cap ASM
3	99–8553	1	Hose–Vent
4	99–6141	1	Gas Tank ASM
5	2412–94	1	Clamp
6	3256–22	1	Washer–Flat
7	3253–3	1	Washer–Lock
8	321–3	1	Screw–HH
9	98–1616	3	Clamp–Tube
10	323–6	1	Screw–HH
11	3296–39	1	Nut–Lock, NI
13	95–4271	2	Clamp–Hose
14	99–9680	1	Hose–Fuel
16	94–8189	1	Clamp–Hose
17	95–4157	1	Foam – Tank Center
19	3256–24	1	Washer–Flat
20	98–7208	1	Rear Body ASM
21	99–5901	1	Tie–Cable
22	99–6145	1	Foam–Tank
23	99–6146	1	Foam–Tank
24	99–6887	1	Foam–Tank Top

Ref. No.	Part No.	Qty.	Description



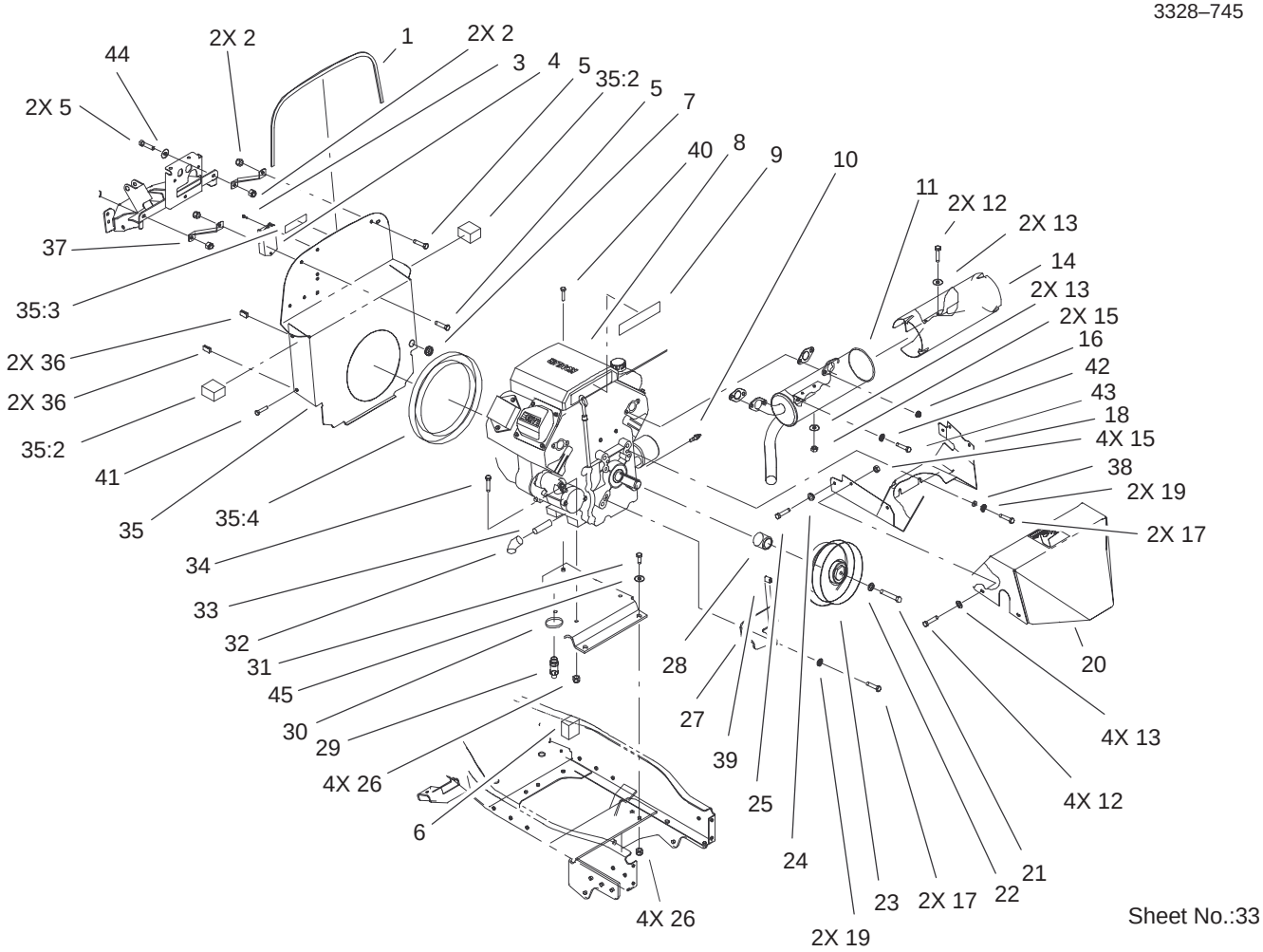
Sheet No.:32

Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	99–3694	2	Wheel & Tire ASM
1:1	99–2334	1	Tire
1:2	110680	1	Rim ASM
1:2:1	5108	1	Valve
*	7007	1	Tube–Inner
2	83–2720	10	Bolt–Lug

Ref. No.	Part No.	Qty.	Description

* Not illustrated

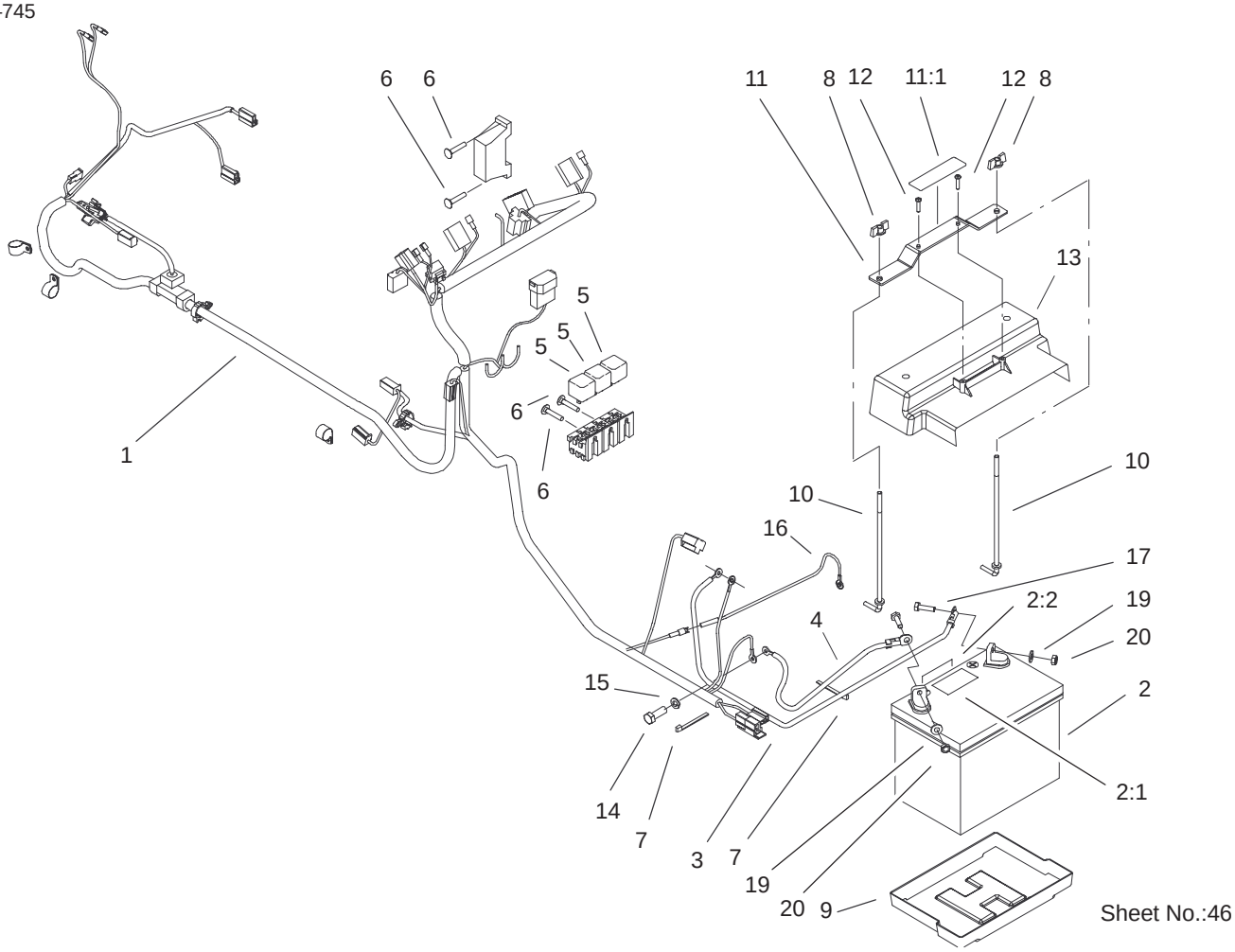


Air Cooled Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	95–4125	1	Trim – Lock, Bulkhead
2	3296–29	4	Nut–Lock, NI
3	32144–112	1	Screw–HWHTF
4	99–1933	1	Module–Low Voltage
5	322–3	4	Screw–HH
6	98–3086	2	Seal–Foam, Side
7	240–9	1	Grommet
☆8		1	Engine – 20hp Kohler Model No. Ch20s–64583
9	98–3580	1	Decal – 20 HP Engine
10	94–7619	1	Sender – Oil Temperature
11	94–7558	1	Muffler – Kohler
12	321–3	6	Screw–HH
13	3256–22	8	Washer–Flat
14	94–7560	1	Reflector – Heat
15	32152–4	6	Nut–Hex
16	92–6780	4	Nut–HF
17	323–6	4	Screw–HH
18	94–7522–03	1	Shrd–Muffler
19	3253–5	4	Washer–Lock
20	94–7524–03	1	Shroud–Muffler
21	94–7973	1	Screw–HH
22	3256–25	1	Washer–Flat
23	94–2190	1	Clutch – PTO

Ref. No.	Part No.	Qty.	Description
24	3253–3	2	Washer–Lock
25	33113–008	2	Screw–HH
26	3296–39	8	Nut–Lock, NI
27	94–2356–03	1	Clutch – Stop
28	94–2068	1	Spacer – Clutch
29	92–6877	1	Valve–Drain, Oil
30	94–2199–03	1	Plate – Engine
31	323–7	3	Screw–HH
32	2811–16	1	Elbow–90°
33	98–7200	1	Nipple
34	323–9	4	Screw–HH
35	98–5060	1	Bulkhead ASM
35:2	98–3086	2	Seal–Foam, Side
35:3	98–5012	1	Decal – Warning
35:4	95–4104	1	Seal–Foam
36	107069	4	Clip
37	95–4117–03	2	Bracket–Bulkhead
38	3256–24	2	Washer–Flat
39	98–5023	1	Bumper
40	32144–109	1	Screw
41	92–7020	4	Screw–HH
42	3253–4	2	Washer–Lock
43	33104–020	2	Screw–HHF
44	3256–23	2	Washer–Flat
45	3256–24	2	Washer–Flat

☆ Not serviced separately



Sheet No.:46

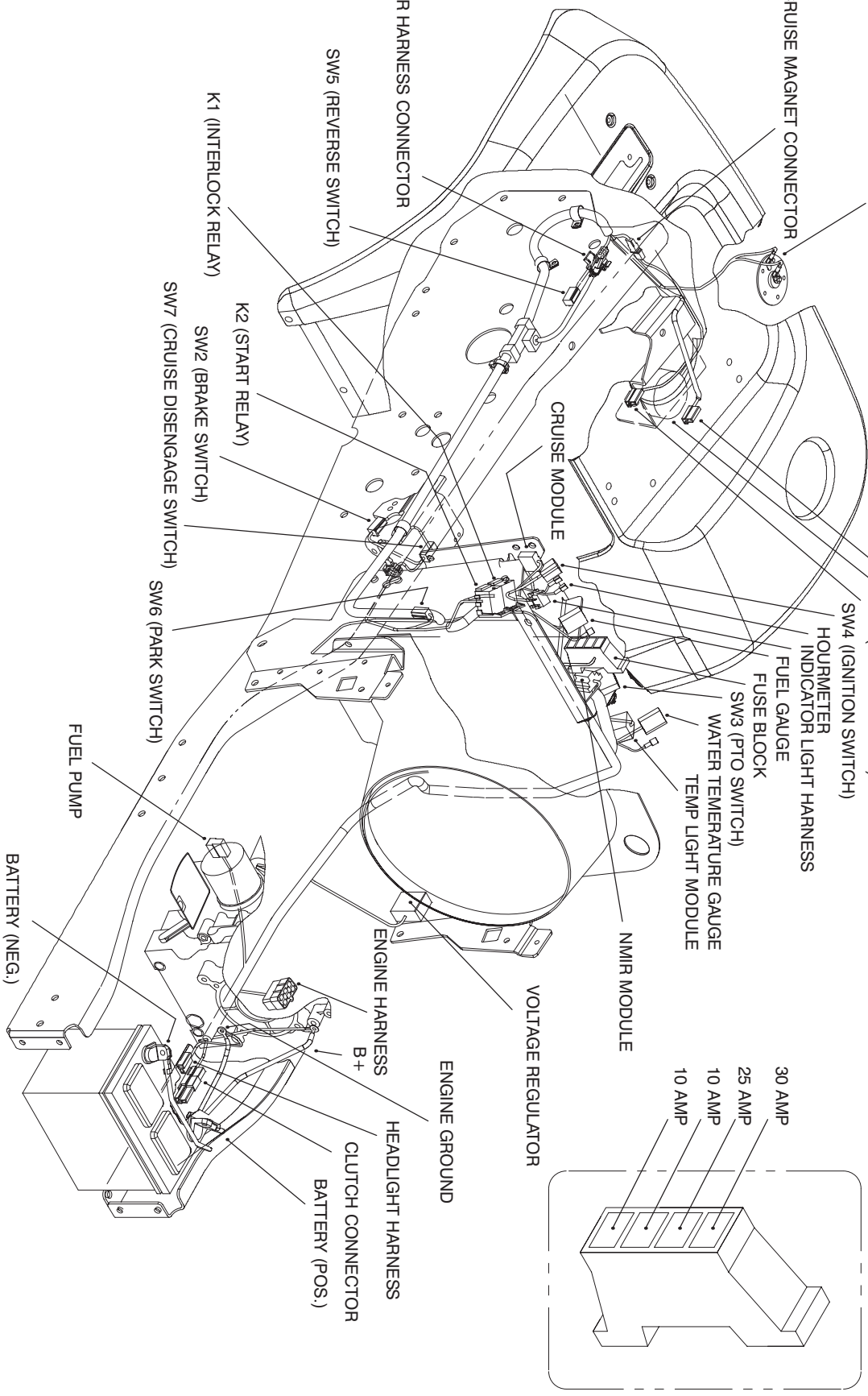
Electrical Assembly

Ref. No.	Part No.	Qty.	Description
1	99–3723	1	Harness–Wire
2	104–2492	1	Battery
2:1	104–4163	1	Decal–Battery
2:2	104–5091	1	Decal–Battery
3	95–7854	1	Cable–Battery, Red 27”
4	95–7873	1	Cable – Battery
5	98–7249	3	Relay
6	32144–112	4	Screw–HWHTF
7	614249	2	Strap–Tie
8	32103–22	2	Nut–Wing
9	106948	1	Tray–Battery
10	95–4042	2	Hook–Retain, Battery
11	98–5056	1	Strap ASM
11:1	93–1265	1	Decal–Surface, Hot
12	94–4496	2	Screw–PPH
13	95–4044	1	Shield – Battery
14	33104–020	1	Screw–HHF
15	3253–4	1	Washer–Lock
16	98–1492	1	Harness–Wire
17	321–5	2	Screw–HH
19	3256–22	2	Washer–Flat
20	3296–42	2	Nut–Lock, NI
*	109102	1	Fuse–25 Amp
*	218–578	2	Fuse–10 Amp
*	NN10277	1	Fuse–30 Amp

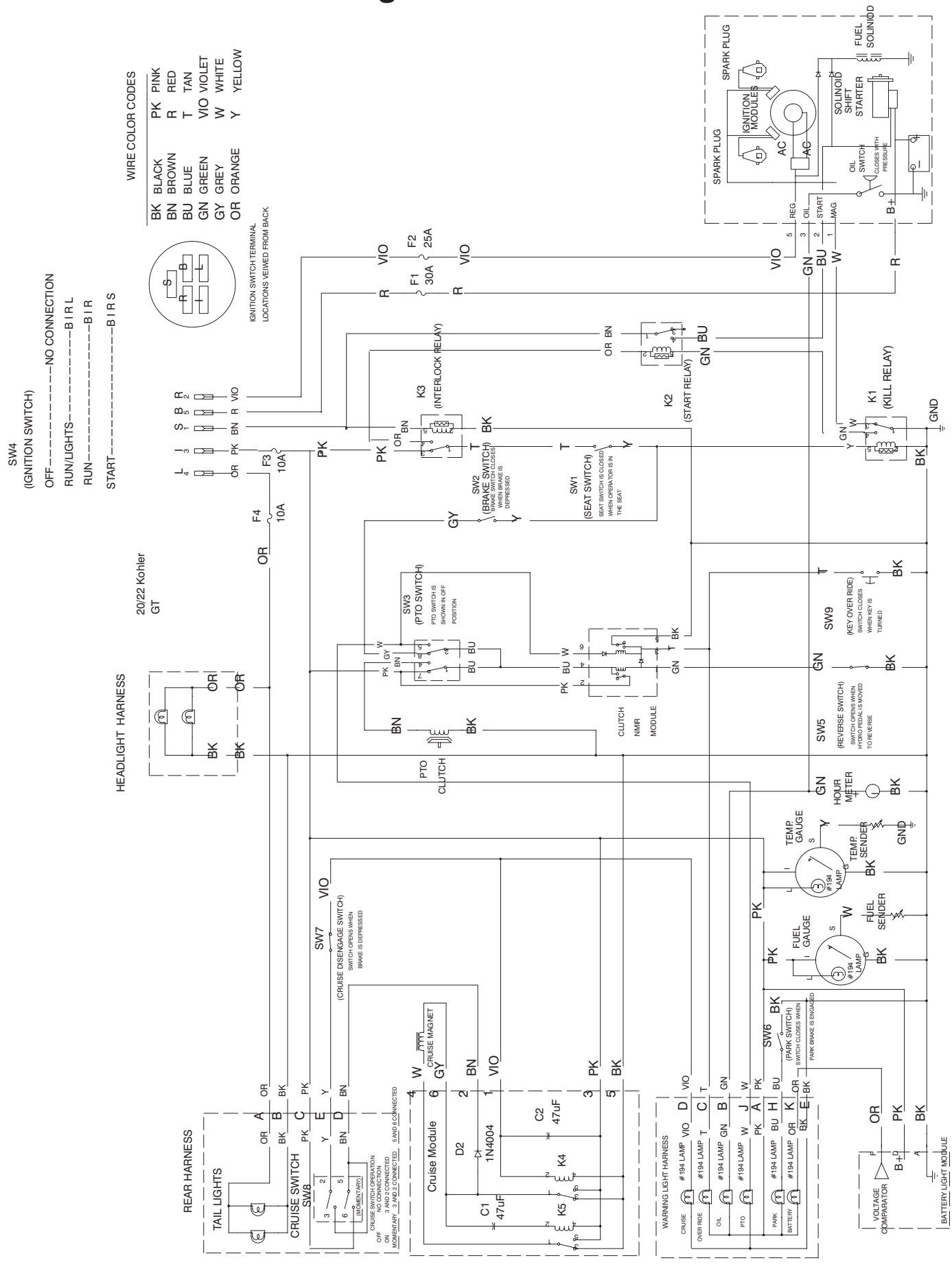
Ref. No.	Part No.	Qty.	Description

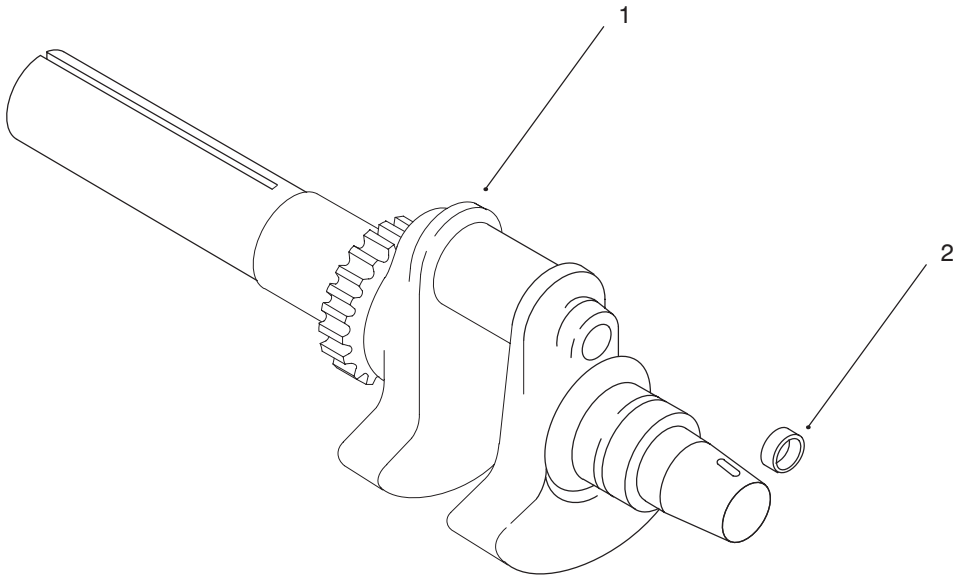
* Not illustrated

Wiring Diagram 20HP



Wiring Schematic 20HP





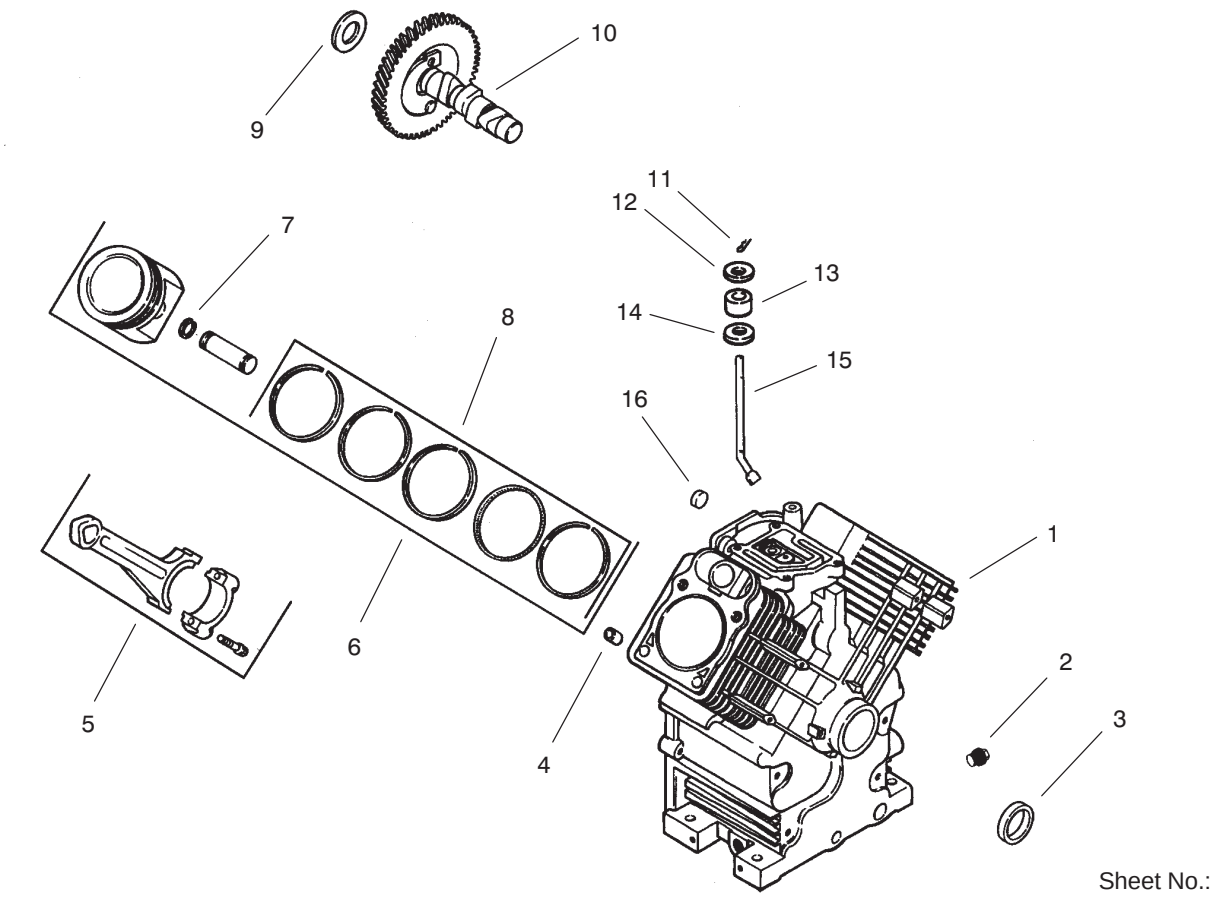
Sheet No.:

Group 1 – Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description
1	24 014 14	1	Crankshaft (Includes 2)
2	52 139 09	1	Plug, cup

Ref. No.	Part No.	Qty.	Description

Obtain Parts from Your Local Kohler Dealer. Kohler Engine No. CH20S–64583

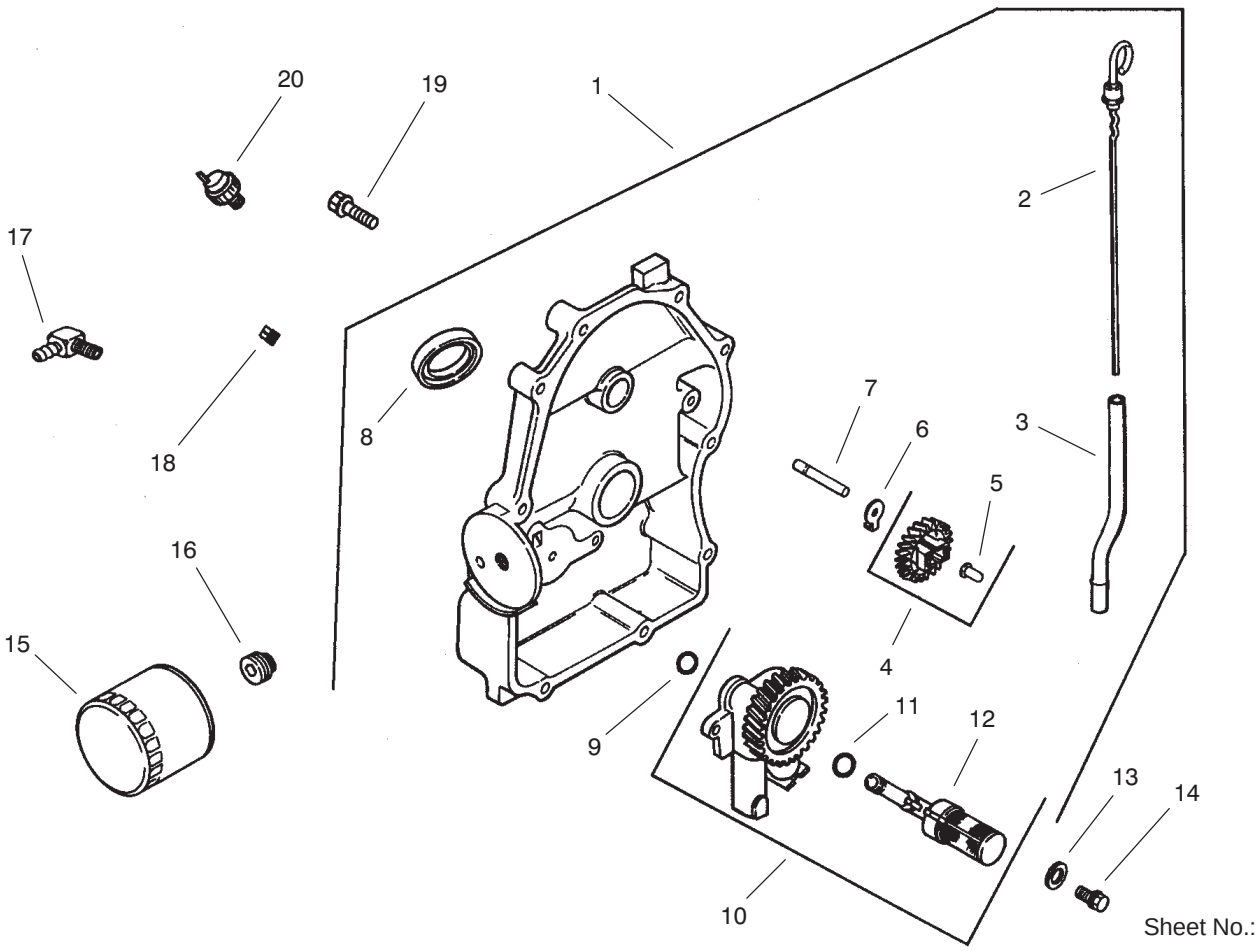


Sheet No.:

Group 2 — Crankcase Assembly

Ref. No.	Part No.	Qty.	Description
1	X—75—10	1	Cylinder Block
		1	(Use Miniblock 24 782 01)
2	24 032 01	2	Plug, hex. head
3	12 380 17	1	Seal, oil front
4		6	Pin, dowel locating
5	24 067 09	2	Connecting Rod (Std.)
	24 067 10	2	Connecting Rod (.25)
6	24 874 01	2	Piston w/Ring Set (Std.)
	24 874 02	2	Piston w/Ring Set (.25)
	24 874 03	2	Piston w/Ring Set (.50)
7	24 018 01	4	Retainer, piston pin
8	24 108 01	2	Ring Set (Std.)
	24 108 02	2	Ring Set (.25)
	24 108 03	2	Ring Set (.50)
9	12 422 09	A/R	Shim, camshaft red
	12 422 13	A/R	Shim, camshaft black
	12 422 07	A/R	Shim, camshaft white
	12 422 08	A/R	Shim, camshaft blue
	12 422 10	A/R	Shim, camshaft yellow
	12 422 11	A/R	Shim, camshaft green
	12 422 12	A/R	Shim, camshaft gray
10	24 012 05	1	Camshaft
11	12 380 04	1	Pin, hitch
12	M—0631005	1	Washer, flat
13	12 032 01	1	Seal, governor cross shaft
14	X—25—102	1	Washer, plain
15	24 144 01	1	Shaft, governor cross
16	52 139 09	1	Plug, cup

Obtain Parts from Your Local Kohler Dealer. Kohler Engine No. CH20S–64583



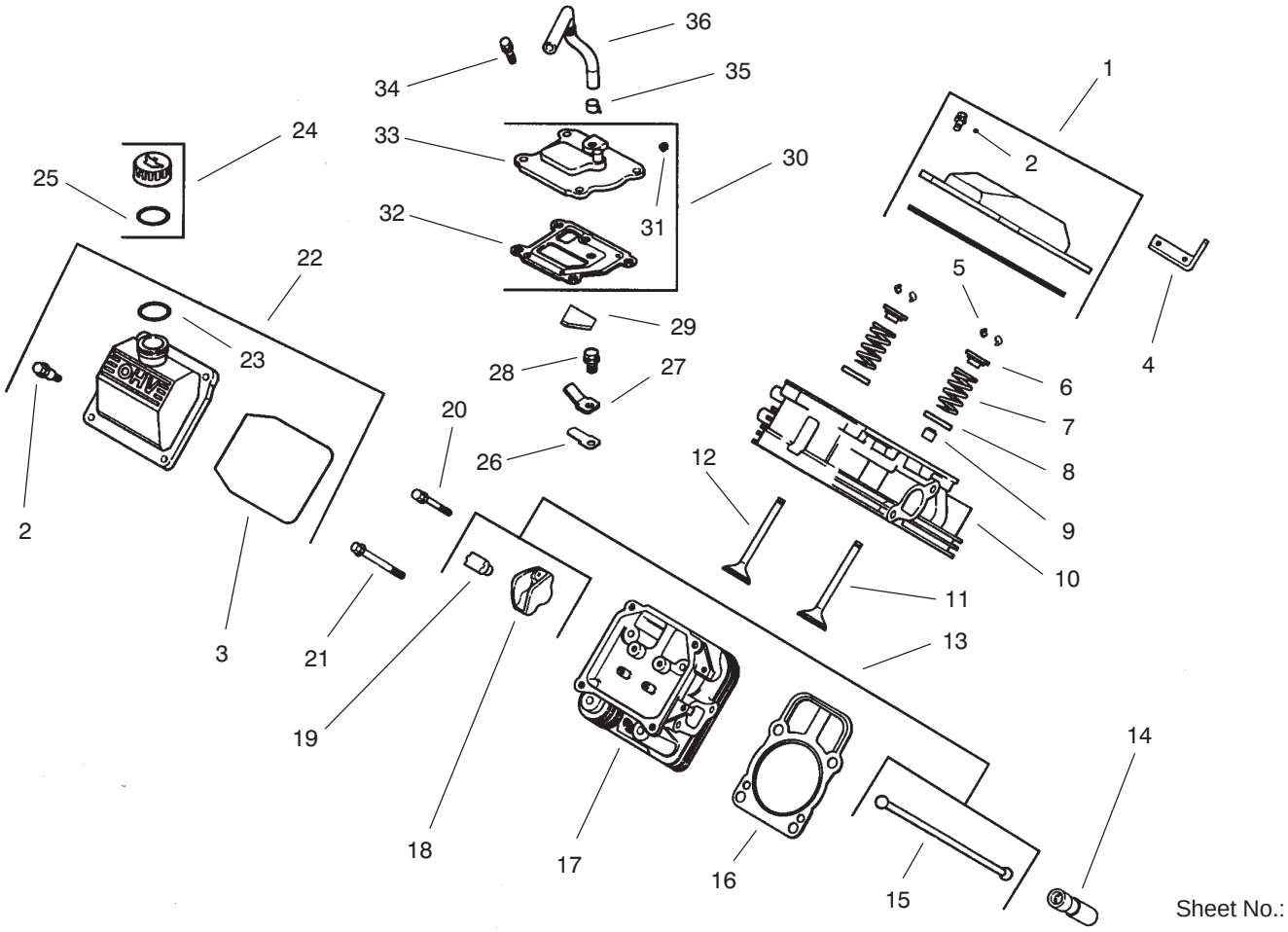
Sheet No.:

Group 3 — Oil Pan/Lubrication Assembly

Ref. No.	Part No.	Qty.	Description
1	54 009 01	1	Plate, closure assembly (Includes 2–12)
2	24 038 06	1	Dipstick
3	24 123 08	1	Tube, dipstick
4	24 043 12	1	Kit, governor gear (Includes 5)
5	12 380 01	1	Pin, governor regulating
6	52 448 02	1	Tab, locking
7	12 144 02	1	Shaft, governor gear
8	52 032 08	1	Seal, oil (PTO end)
9	24 153 08	1	O–Ring
10	24 393 10	1	Oil pump assembly (Includes 11,12)
11	24 153 01	1	O–Ring, oil pick–up
12	24 381 04	1	Pick–up, oil
13	M–0631005	2	Washer, plain
14	M–0645025	2	Screw, hex. flange
15	12 050 01	1	Filter, oil
16	24 136 01	1	Nipple, oil filter
17	25 155 02	1	Connector
18	X–75–23	1	Plug, pipe
19	24 086 16	10	Screw, hex. flange
20	52 099 06	1	**Switch, pressure**

Ref. No.	Part No.	Qty.	Description
			Not Illustrated
	25 113 05	**1**	Decal, oil sentry

Obtain Parts from Your Local Kohler Dealer. Kohler Engine No. CH20S–64583



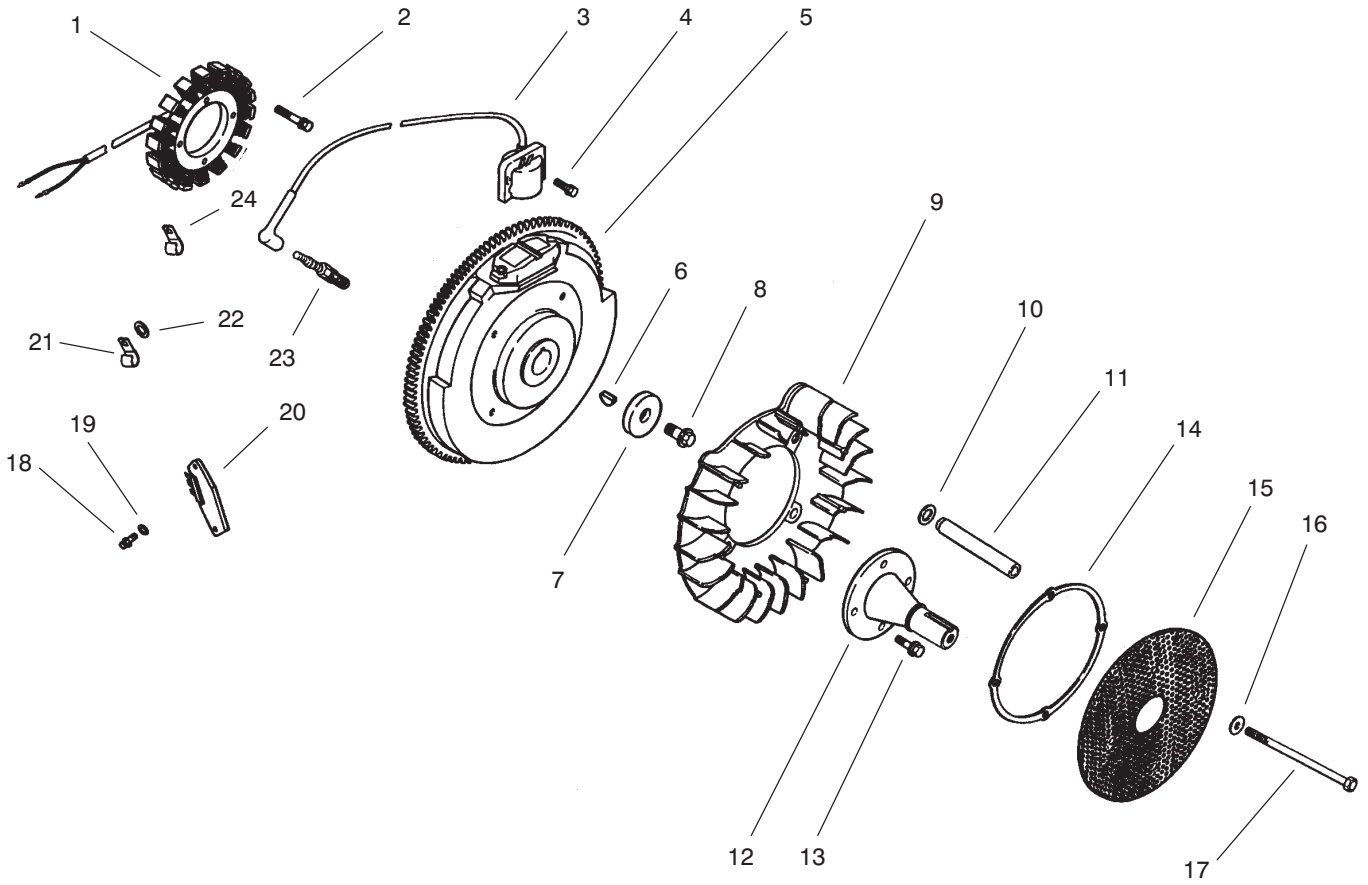
Sheet No.:

Group 4 — Head/Valve/Breather Assembly

Ref. No.	Part No.	Qty.	Description
1	24 755 74	1	Kit, valve cover — plain (Includes 2—3)
2	24 086 32	4	Screw, shoulder
3	24 153 16	1	O—Ring, valve cover
4	24 445 01	1	Strap, lifting
5	12 755 03	4	Kit, retainer
6	12 173 01	4	Cap, valve spring
7	24 089 02	4	Spring, valve
8	235011	4	Retainer, spring
9	24 032 05	2	Seal, valve stem
10	24 318 09	1	Head assembly, #1 cylinder
11	24 017 01	2	Valve, intake (Std.)
	24 017 02	2	Valve, intake (.25)
12	24 016 01	2	Valve, exhaust (Std.)
	24 016 02	2	Valve, exhaust (.25)
13	24 755 66	1	Kit, valve train (Includes 15,18,19)
14	12 351 02	4	Lifter, valve
15	24 411 05	4	Rod, push
16	24 041 08	2	Gasket, cylinder head
17	24 318 10	1	Head assembly, #2 cylinder
18	25 186 01	4	Arm, rocker
19	24 599 01	4	Pivot, rocker arm
20	M—0640034	4	Screw, hex. flange

Ref. No.	Part No.	Qty.	Description
21	12 086 16	8	Screw, hex. flange
22	24 755 75	1	Kit, valve cover — oil fill (Includes 2,3,23)
23	24 153 09	1	O—Ring
24	25 755 13	1	Kit, oil fill cap (Includes 25)
25	12 153 03	1	O—Ring, oil fill cap
26	24 402 03	1	Reed, breather
27	12 018 01	1	Retainer, breather reed
28	M—0545010	1	Screw, hex. flange
29	24 050 01	1	Filter, breather
30	24 033 01	1	Kit, breather (Includes 31—33)
31	X—75—23	1	Plug, allen head 1/8 pipe
32	24 041 23	1	Gasket, breather
33	24 096 02	1	Cover, breather
34	M—0645020	4	Screw, hex. flange
35	X—426—9	1	Clamp, breather
36	24 326 06	1	Hose, breather

Obtain Parts from Your Local Kohler Dealer. Kohler Engine No. CH20S–64583



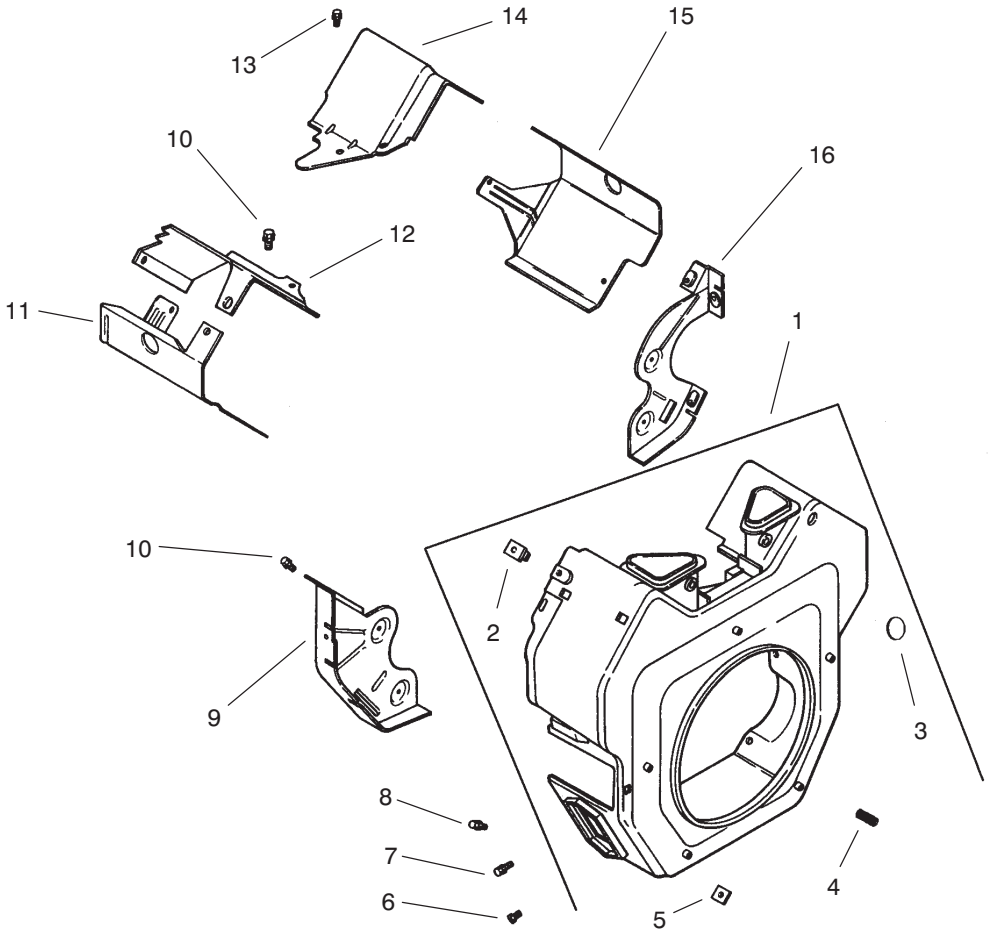
Sheet No.:

Group 5 – Ignition/Electrical Assembly

Ref. No.	Part No.	Qty.	Description
1	54 755 09	1	Kit, 15 amp stator (Incl. 24 126 71 bracket)
2	M–0548025	2	Screw, hex. cap
3	24 584 01	2	Module, ignition
4	M–0545020	4	Screw, hex. flange
5	24 025 01	1	Flywheel
6	X–42–15	1	Key
7	12 468 03	1	Washer, plain
8	12 086 14	1	Screw, hex. flange
9	24 157 03	1	Fan
10	24 468 11	4	Washer, spring
11	24 112 14	4	Spacer, grass screen
12	24 144 25	1	Shaft, front drive
13	M–0839025	4	Screw, hex. flange
14	24 141 06	1	Ring, support
15	24 162 22	1	Screen, grass
16	X–25–53	4	Washer, plain
17	M–0603100	4	Screw, hex. cap
18	24 086 18		Screw, phillips hd.
19	X–25–92	2	Washer, plain
20	25 403 03	1	Rectifier–regulator 15 amp
21	235173	1	Clip, cable
22	X–25–63	1	Washer, plain
23	12 132 02	2	Spark Plug

Ref. No.	Part No.	Qty.	Description
24	48 154 02	1	Clip, cable
			Not Illustrated
	25 518 28	1	Lead, black, (4" – 18 gauge – insulated grip barrel eyelet terminals)
	24 176 08	1	Harness, wiring
	24 176 49	1	Harness, wiring (Includes 3 connectors)
	236602	1	Connector
	15 155 01	1	Connector
	52 155 04	1	Connector
	24 126 71	1	Bracket, stator wire
	25 086 43	1	Screw, set (adjusts grass scraper blade)
	X–22–11	1	Washer, lock (for ground screw & wire)
	41 155 03	1	Connector
	277563	1	Connector
	X–67–3	2	Screw (mounts 5 wire connector to baffle)

Obtain Parts from Your Local Kohler Dealer. Kohler Engine No. CH20S–64583



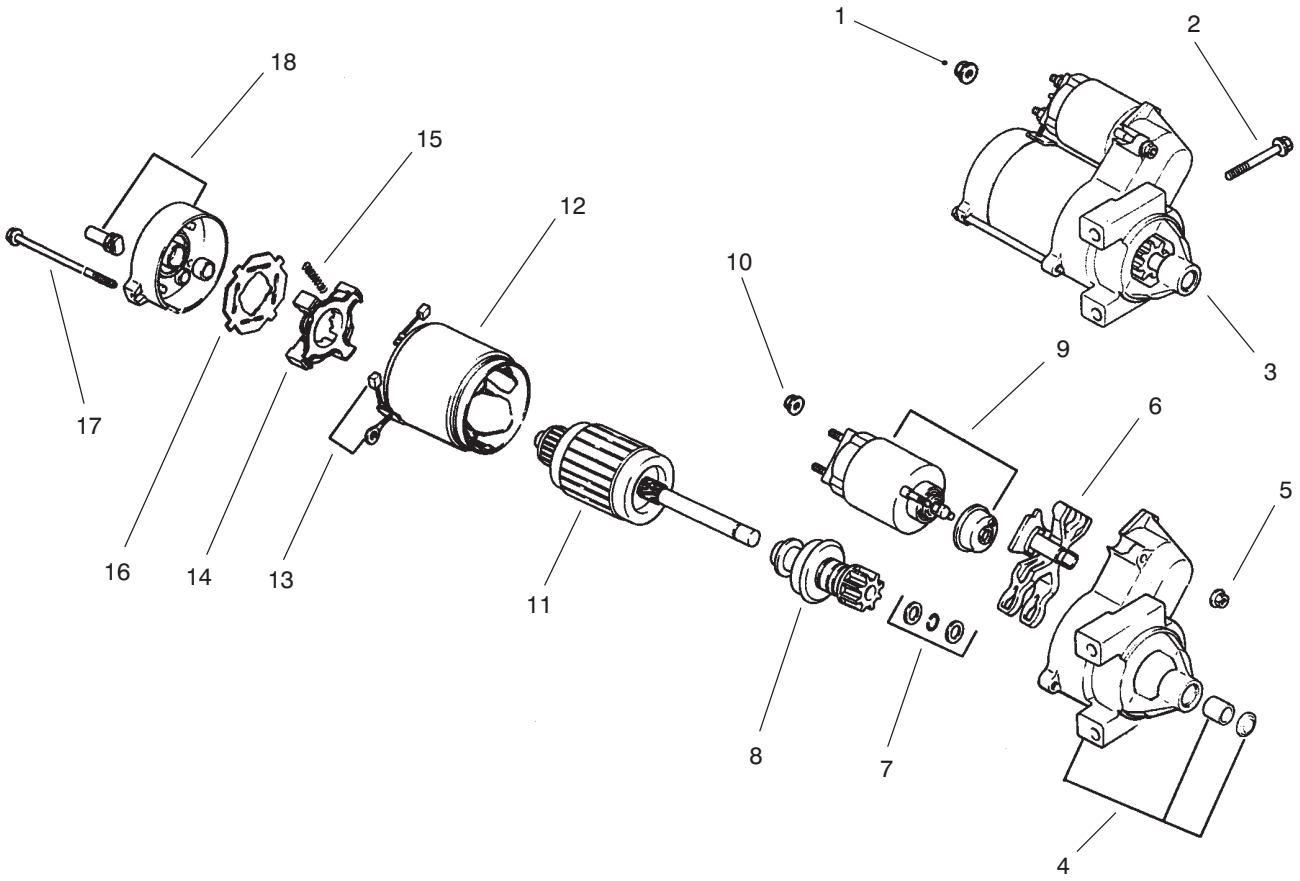
Sheet No.:

Group 6 – Blower Housing Assembly

Ref. No.	Part No.	Qty.	Description
1	24 027 86	1	Housing, blower (Includes 2–5)
2	24 100 02	2	Nut, plastic
3	24 755 90	1	Kit, button plug
4	24 086 43	1	Screw, set
5	24 100 01	2	Nut, plastic
6	M–0551016	1	Screw, hex. flange
7	M–0545016	5	Screw, hex. flange
8	M–0545020	2	Screw, hex. flange
9	24 146 02	1	Plate, backing – #2 side
10	M–0645016	6	Screw, hex. flange
11	24 063 20	1	Baffle, cyl. barrel–#2 side
12	24 063 17	1	Baffle, valley – #2 side
13	M–0545010	2	Screw, hex. flange
14	24 063 24	1	Baffle, valley – #1 side
15	24 063 30	1	Baffle, cyl. barrel–#1 side
16	24 146 08	1	Plate, backing – #1 side
			Not Illustrated
	24 113 12	1	Decal, HP

Ref. No.	Part No.	Qty.	Description

Obtain Parts from Your Local Kohler Dealer. Kohler Engine No. CH20S–64583



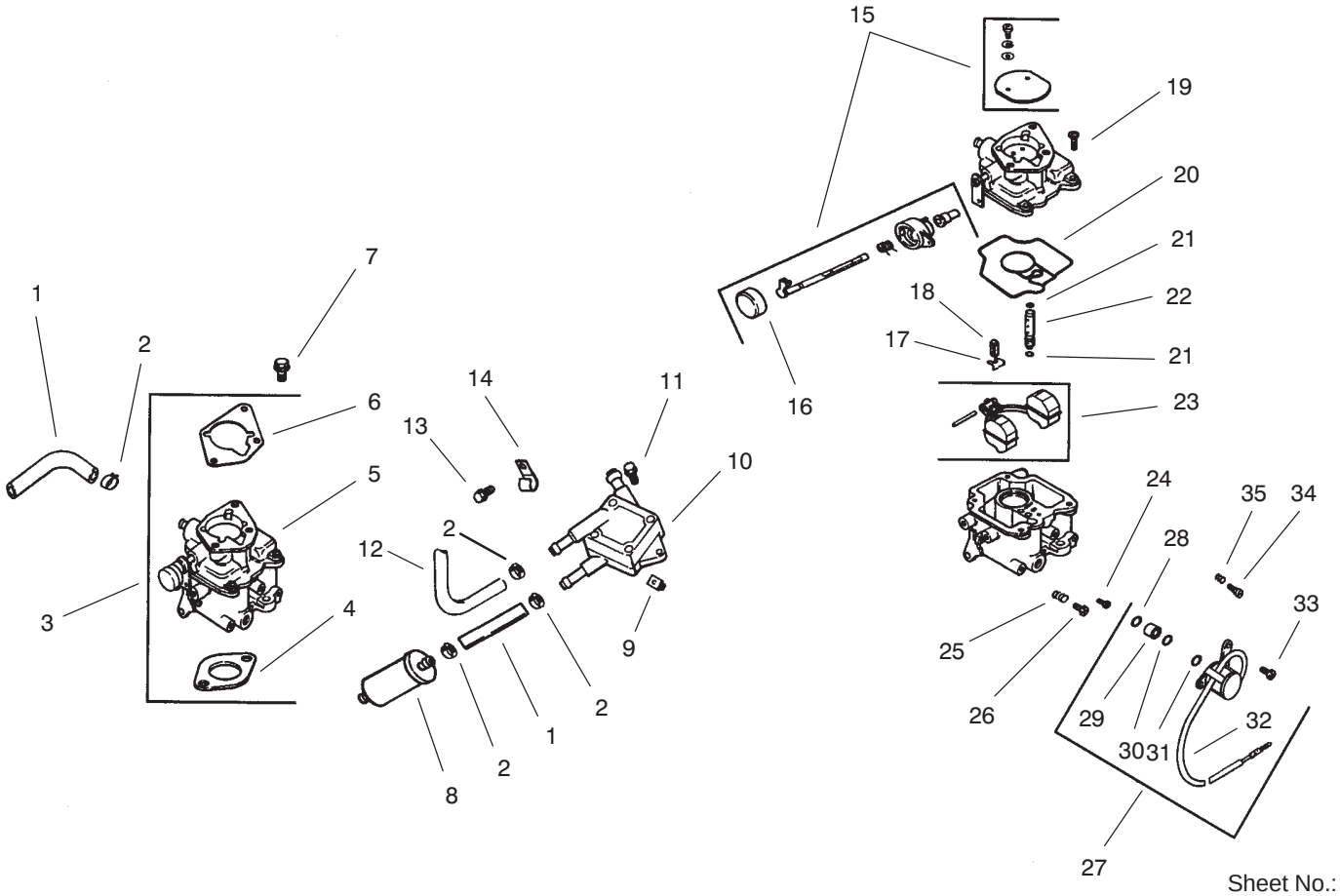
Sheet No.:

Group 7 — Starter Assembly

Ref. No.	Part No.	Qty.	Description
1	M–0841080	1	Nut, hex flange
2	M–0839080	2	Screw, hex. flange
3	24 098 01	1	Starter, solenoid shift assembly (Incl. 4–18)
4	24 081 04	1	Drive, end cap
5	52 100 10	2	Nut, starter
6	12 090 10	1	Lever, starter drive
7	24 755 84	1	Kit, starter repair
8	12 239 01	1	Drive, pinion
9	52 435 02	1	Solenoid
10	52 100 09	1	Nut, starter
11	12 170 04	1	Armature, starter
12	12 471 01	1	Frame
13	52 221 01	1	Kit, brush & spring (Includes 15)
14	52 323 03	1	Holder, brush
15	52 089 09	4	Spring, brush
16	52 168 01	1	Insulator
17	52 211 05	2	Bolt, thru
18	24 301 01	1	Commutator, end cap

Ref. No.	Part No.	Qty.	Description

Obtain Parts from Your Local Kohler Dealer. Kohler Engine No. CH20S–64583



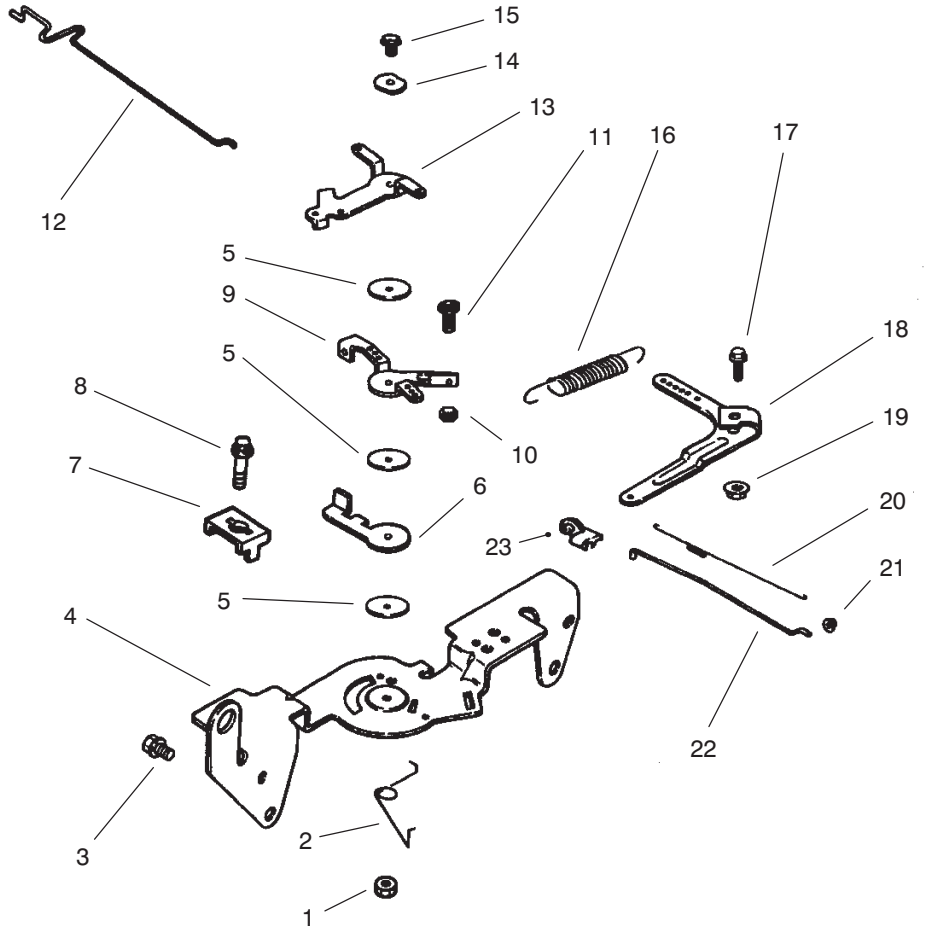
Sheet No.:

Group 8 — Fuel System Assembly

Ref. No.	Part No.	Qty.	Description
1	25 353 10	2	Line, fuel 9”
2	X–426–9	6	Clamp, hose
3	24 853 32	1	Kit, carburetor w/gasket (Includes 4–6)
4	24 041 06	1	Gasket, air cleaner base
5	24 053 32	1	Carburetor assembly (Includes 15–35)
6	24 041 17	1	Gasket, carburetor
7	M–0651030	2	Screw, hex. flange
8	24 050 02	1	Filter, fuel
9	24 100 01	2	Nut, plastic
10	24 393 04	1	Pump, fuel – pulse
11	24 086 12	2	Screw, hex. cap
12	24 353 04	1	Line, fuel 17”
13	M–0650012	1	Screw, hex. flange
14	47 154 01	1	Clip, cable
15	24 757 07	1	Kit, choke repair (Includes 16)
16	24 173 02	1	Cap, choke lever
17	24 154 01	1	Clip, inlet needle valve
18	24 462 01	1	Valve, inlet needle
19	24 086 09	4	Screw, carburetor body

Ref. No.	Part No.	Qty.	Description
20	24 041 09	1	Gasket, carburetor body
21	24 153 02	2	O–Ring, slow jet
22	24 337 01	1	Jet, slow
23	24 757 02	1	Kit, float repair
24	24 337 02	1	Jet, main
25	24 089 10	1	Spring, idle adjust screw
26	24 086 10	1	Screw, idle adjusting
27	24 757 01	1	Kit, solenoid (Includes 28–33)
28	24 153 06	1	O–Ring
29	24 521 01	1	Seat, solenoid
30	24 153 05	1	O–Ring
31	24 153 04	1	O–Ring
32	24 435 01	1	Solenoid
33	24 086 07	2	Screw, solenoid
34	24 368 01	1	Needle, idle
35	24 089 11	1	Spring, idle needle
			Not Illustrated
	24 757 03	1	Kit, carburetor repair

Obtain Parts from Your Local Kohler Dealer. Kohler Engine No. CH20S–64583



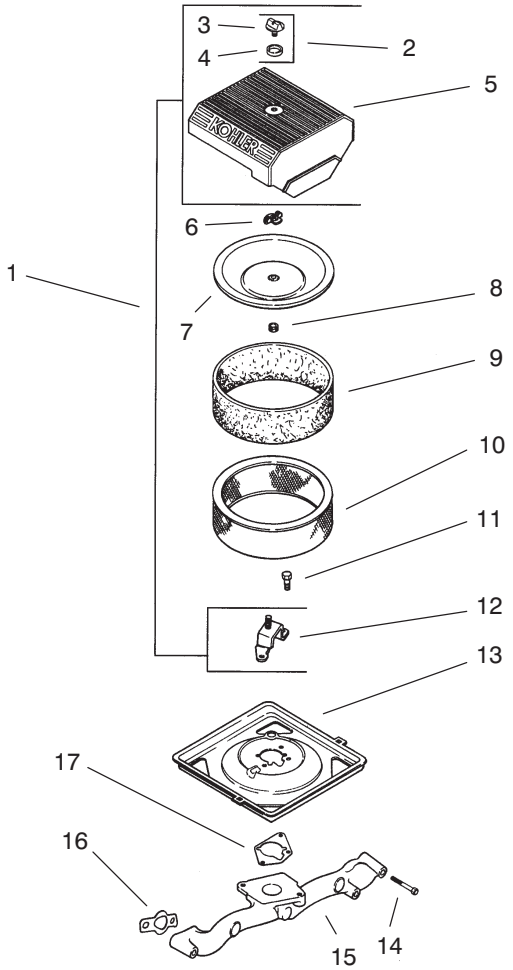
Sheet No.:

Group 9 — Engine Control Assembly

Ref. No.	Part No.	Qty.	Description
1	M–0547050	1	Nut, hex. lock
2	24 089 03	1	Spring, choke return
3	M–0645016	4	Screw, hex. flange
4	24 126 56	3	Bracket, control
6	24 090 07	1	Lever, throttle actuator
7	12 237 01	2	Clamp, cable
8	M–0545016	2	Screw, hex. flange (On: 73542 Only)
8	98–7374	2	Screw, torx (On: 73570 Only)
9	24 090 03	1	Lever, throttle control
10	M–0446030	1	Nut, hex
11	M–0401030	1	Screw, hex. cap
12	24 079 02	1	Linkage, choke
13	24 090 05	1	Lever, choke
14	41 468 03	1	Washer, spring
15	M–0545020	1	Screw, hex. flange
16	24 089 15	1	Spring, governor
17	SM–0642025	1	Screw, hex. flange
18	24 090 14	1	Lever, governor
19	M–0641060	1	Nut, hex. flange
20	24 089 01	1	Spring, linkage
21	25 158 08	1	Bushing, linkage retaining
22	24 079 01	1	Linkage, throttle

Ref. No.	Part No.	Qty.	Description
23	25 158 11	1	Bushing, linkage retaining

Obtain Parts from Your Local Kohler Dealer. Kohler Engine No. CH20S–64583



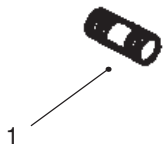
Sheet No.:

Group 10 – Air Intake/Filtration Assembly

Ref. No.	Part No.	Qty.	Description
1	24 743 05	1	Kit, air cleaner cover (Includes 2–5, 12)
2	54 755 01	1	Kit, knob with sea (Includes 3,4)
3	25 341 03	1	Knob, cover
4	24 153 15	1	Seal, air cleaner cover knob
5	24 096 24	1	Cover, air cleaner
6	12 100 01	1	Wing Nut
7	24 096 01	1	Cover, inner air cleaner
8	24 032 03	1	Seal, inner air cleaner
9	24 083 02	1	Precleaner, element
10	47 083 03	1	Element, air cleaner
11	M–0639016	3	Screw, hex. flange
12	24 126 21	1	Bracket, air cleaner base
13	24 094 03	1	Base, air cleaner
14	M–0651055	4	Screw, hex. flange
15	24 164 14	1	Manifold, intake
16	24 041 01	2	Gasket, intake manifold
17	24 041 06	1	Gasket, air cleaner base

Ref. No.	Part No.	Qty.	Description

Obtain Parts from Your Local Kohler Dealer. Kohler Engine No. CH20S–64583



Sheet No.:

Group 11 – Exhaust Assembly

Ref. No.	Part No.	Qty.	Description
1	25 072 04	4	Stud
			Not Illustrated
	24 782 01		Miniblock
	24 755 03		Gasket Set

Ref. No.	Part No.	Qty.	Description

Obtain Parts from Your Local Kohler Dealer. Kohler Engine No. CH20S–64583


TORO®