FORM NO. 3321–964

TORO®

WHEEL HORSE®

522 xi Garden Tractor

Model No. 73561 – 9900001 & Up

Parts Catalog

ORDERING REPLACEMENT PARTS

To order replacement parts, please supply: the part number, the quantity, and the description of each part desired.

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Note:

Accessories

Description	Model / Parts No.
36” Tiller*	79375
50” Grader Blade*	79356
Rear Attach–A–Matic	98–8703
ROPS	79210
Clevis Hitch	94–7800
42” Single Stage Snowthrower**	79365
44” Two–Stage Snowthrower**	79366
48” Snow/Dozer Blade**	79355
42” Rear Discharge Mower	78353
44” Side Discharge Mower	78357
48” Side Discharge Mower	78363
52” Side Discharge Mower	78370
60” Side Discharge Mower	78395
Rear Wheel Weights (Plastic)	81115
Flush Mount Rear Wheel Weights (Cast Iron)	81117
Front Wheel Weights (Cast Iron)	81214
Tire Chains	82146
Dual Wheel Adapter	94–2050

Note: * Requires 98–8703
** Requires 81115

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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning
AR	as required
ASM	assembly
CARR	carriage
DEG	degrees
FH	flat head
GA	gauge
HF	hex flange
HFW	hex flange washer
HH	hex head
HHF	hex head flange
HHST	hex head self tapping
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
PH	pan head
PPH	Phillips pan head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
STD	standard
TAP	self tapping
TH	truss head
TTH	Torx truss head
WH	wing head

Important Format Explanations

This catalog uses special formats to convey information in illustrations and parts lists. Specifically, one format is used in conjunction with service assemblies and another with quantities associated with reference numbers.

Service Assemblies

Parts within service assemblies have reference numbers in the form *X:Y. X* is the reference number of the service assembly and *Y* is a sequential number unique to each part within the service assembly.

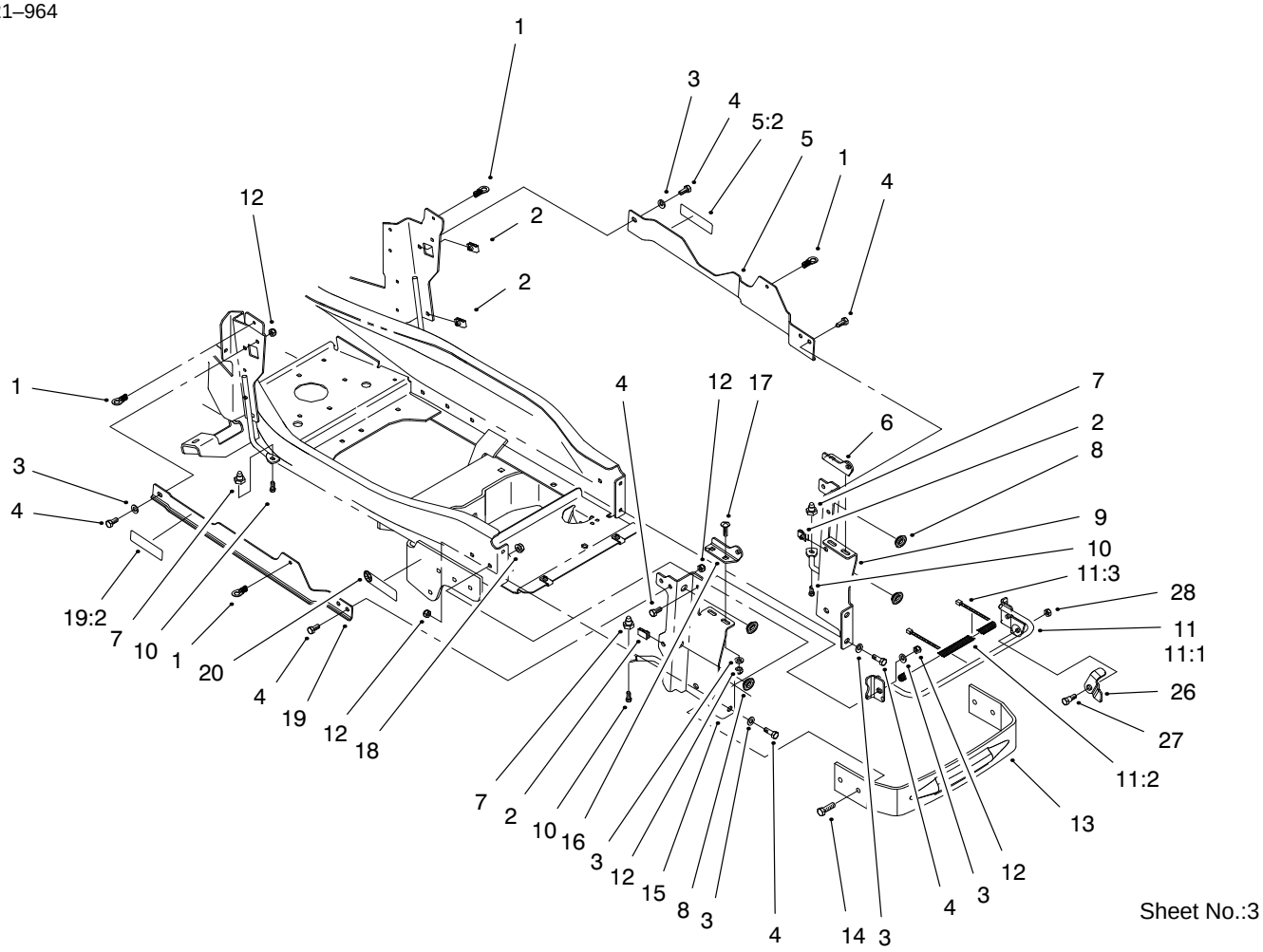
For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually.

Reference numbers of this type appear in part lists and as callouts in illustrations.

Reference Numbers with Quantities

Illustrations may have a quantity in parentheses next to a reference number, in the form *X (Y). X* is the reference number. *Y* in parentheses is the quantity of the part identified by the reference number.

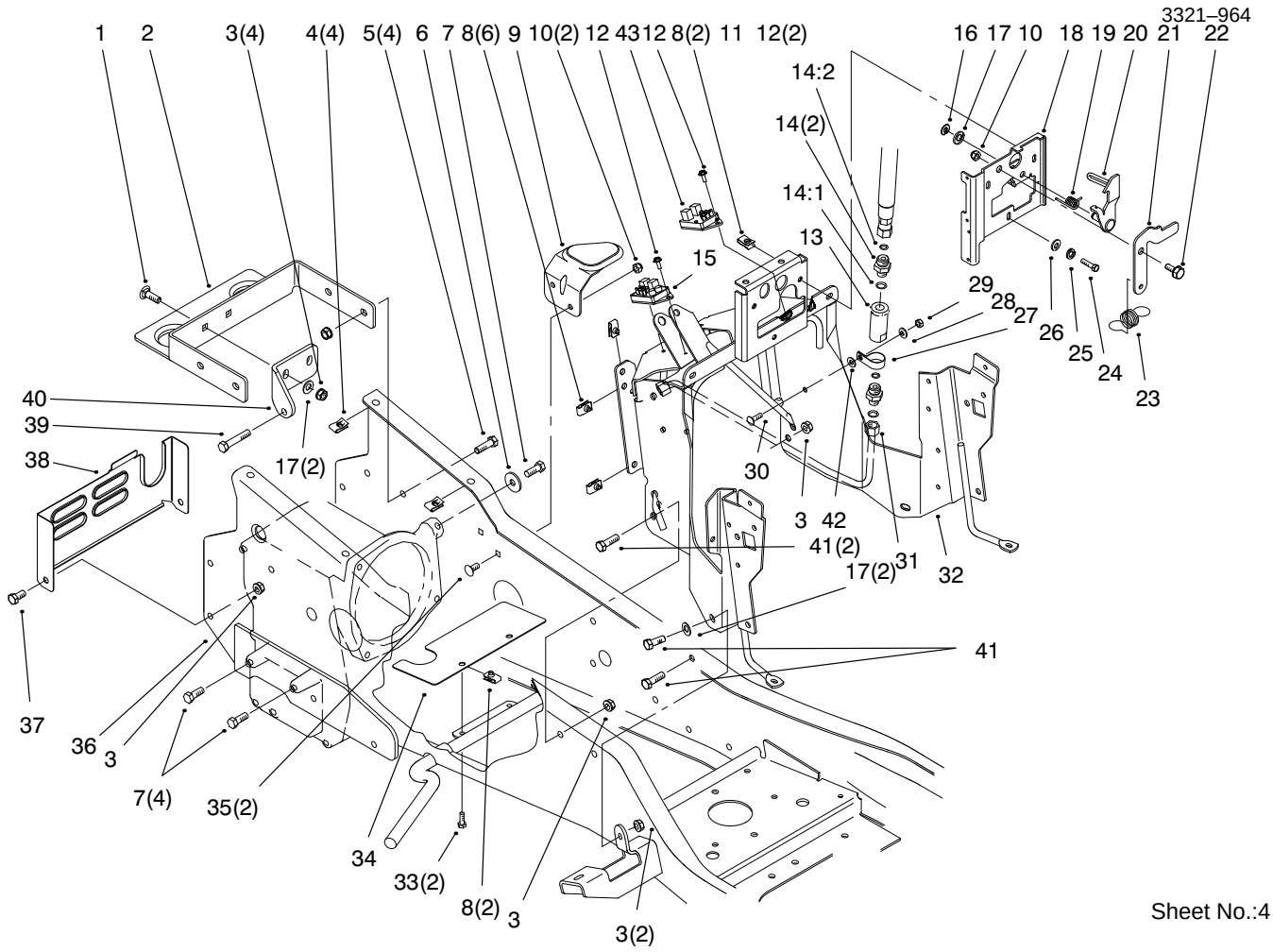
For example, the illustration callout 4 (2) indicates that two parts are used in that instance.



Bumper & Hood Support Assembly

Ref. No.	Part No.	Qty.	Description
1	95–4013	4	Assembly – Latch
2	107069	6	Clip
3	3256–23	12	Washer–Flat
4	322–3	12	Screw–HH
5	98–5064	1	ASM – Support w/Decal
5:2	98–5014	1	Decal – Warning
6	98–9026–03	1	Brkt–Hinge Lower LH
7	95–3989	4	Mount – Sidepanel
8	94–7910	4	Grommet
9	95–4082–03	1	Wa–Hood Sprt LH
10	46–8093	4	Screw–Plastite
11	99–5305	1	Support–Hood ASM
11:1	98–9017–03	1	Hood Support Brace W.a.
11:2	95–4258	1	Cover – Brace
11:3	614249	2	Strap–Tie Sm
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	Wa–Hood Sprt RH
16	98–9027–03	1	Brkt–Hinge Lower RH
17	3230–16	4	Screw–HH
18	3296–39	4	Nut–Lock Ni
19	99–5345	1	ASM–Support/Decal
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	Screw–Shoulder
28	3296–47	1	Nut–Lock Ni

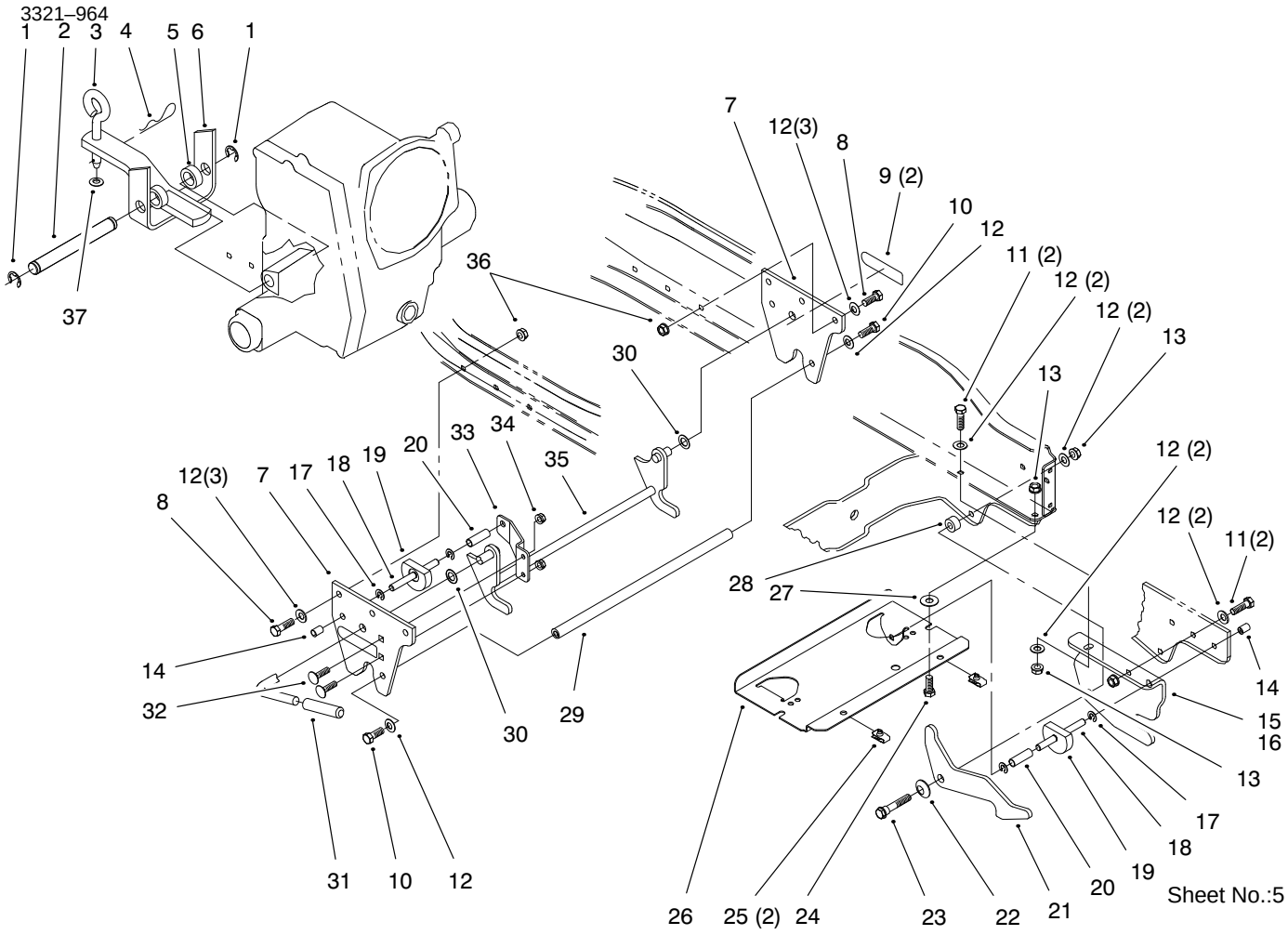


Sheet No.:4

Steering Tower & Fuel Tank Supports Assembly

Ref. No.	Part No.	Qty.	Description
1	3231–25	2	Screw–CARR
2	94–7740–03	1	Support–Gas Tank
3	3296–39	10	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
8	107069	10	Clip
9	95–3961–03	1	Support – Fuel Tank
10	3296–29	3	Nut–Lock Ni
12	12–5450	2	Screw–Special Vex
13	95–3991	1	Filter – Hydraulic Screen
14	95–4138	2	Fitting – Hydr. Straight
14:1	237–22	1	O Ring
14:2	237–42	1	O–Ring
15	99–3703	1	Module–Cruise
16	105797	1	E–Ring 3/8 Shaft
17	3256–24	5	Washer–Flat
18	95–3892–03	1	Bracket – Latch
19	95–4165	1	Spring – Latch Lever
20	95–3899	1	Wa – Latch Lever
21	95–3900	1	Latch – Tension Lever
22	37–8771	1	Screw–Shoulder
23	95–3895	1	Spring – Latch Lever
24	321–4	3	Screw–HH

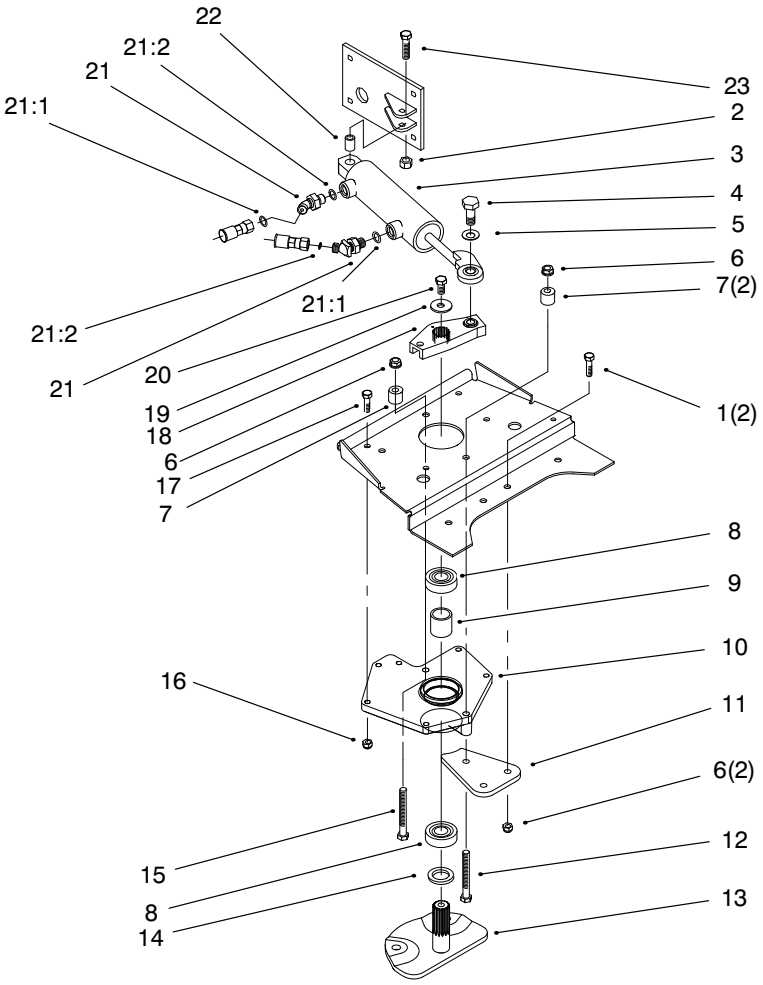
Ref. No.	Part No.	Qty.	Description
25	3253–3	3	Washer–Lock/Sp
26	3256–22	3	Washer–Flat
27	2412–106	1	Clamp
28	3256–22	1	Washer–Flat
29	3296–42	1	Nut–Lock Ni
30	3229–1	1	Screw–CARR
31	94–7971	1	Tube – Hydraulic
32	99–4441–03	1	Tower ASM–Welded
33	321–4	2	Screw–HH
34	95–4246	1	Baffle – Fan
35	3230–20	2	Screw–CARR
36	99–5306–03	1	Frame Wa
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
42	32115–15	1	Pushnut–Bolt Retainer
43	99–3701	1	Module–Nmir, Clutch



Attach–A–Matic & 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 Cotter
5	9791204	2	Spacer
6	98–8083–03	1	Hitch Wa
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
11	323–7	4	Screw–HH
12	3256–24	16	Washer–Flat
13	3296–39	8	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	E–Ring 3/8 Shaft
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	Screw–CARR
33	94–7855–03	1	Brkt–Mid Aam
34	3296–29	2	Nut–Lock Ni
35	94–2250–03	1	Wa – Latch
36	108881	6	Nut–Differential
37	3256–26	1	Washer–Flat

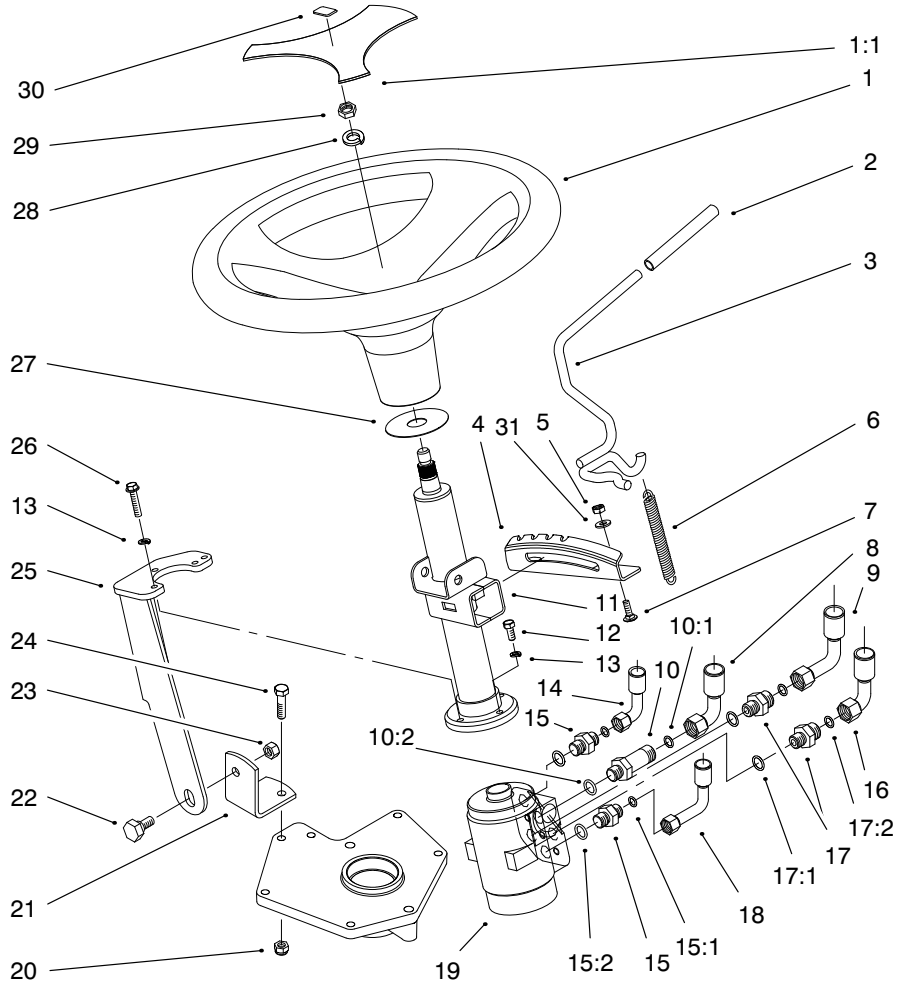


Sheet No.:8

Lower Power Steering Assembly

Ref. No.	Part No.	Qty.	Description
1	323–7	2	Screw–HH
2	108881	1	Nut–Differential
3	99–1909	1	Cylinder–Power Steering
4	94–7976	1	Screw–Hhh,5–20x1.5
5	98–3087	1	Washer – Power Steering
6	3296–39	4	Nut–Lock Ni
7	94–7819	2	Spacer – Stop
8	251–82	2	Bearing–Ball Rtd
9	94–2219	1	Spacer – Power Steering
10	94–7581	1	Hsg – Power Strg (Mach)
11	94–7820–03	1	Plate–Power Steering
12	323–15	1	Screw–HH
13	94–2142–03	1	Wa–Sector Shaft
14	3256–42	1	Washer–Flat
15	323–10	1	Screw–HH
16	3296–29	4	Nut–Lock Ni
17	322–6	4	Screw–HH
18	94–7556	1	Arm – Power Strg Upper
19	2844	1	Washer

Ref. No.	Part No.	Qty.	Description
20	98–3052	1	Screw – Thread Locking
21	95–4136	2	Fitting – Hydraulic 45
21:1	237–42	1	O–Ring
21:2	237–21	1	O Ring
22	99–2320	1	Spacer–P.s. Cyl.
23	323–9	1	Screw–HH

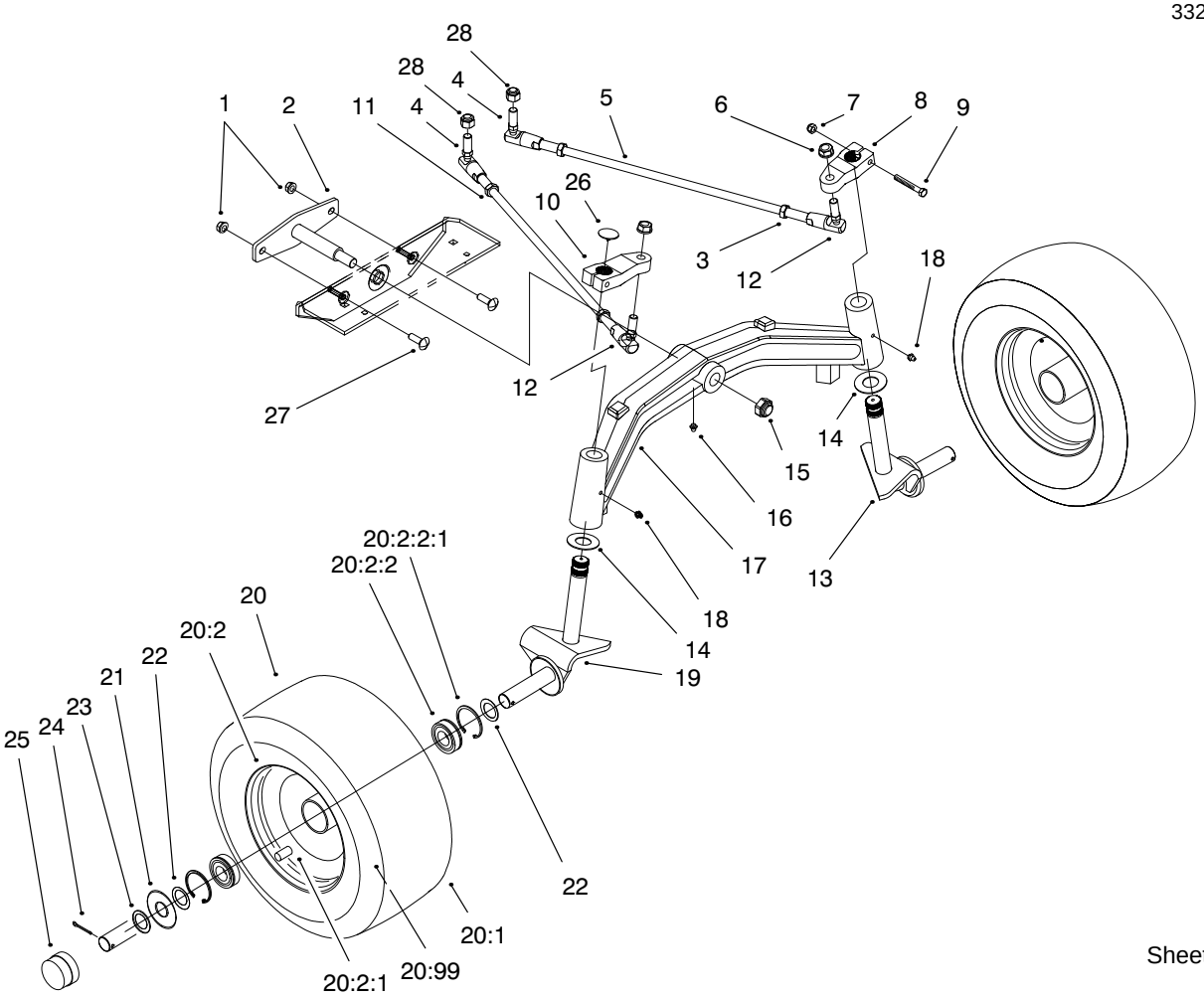


Sheet No.:9

Power Steering & Tilt Assembly

Ref. No.	Part No.	Qty.	Description
1	98–1474	1	Wheel – Steering 15",Soft
1:1	98–7211	1	Assembly – Cover (Service)
2	92–6798	1	Cap – Rod Tilt
3	95–3964	1	Wa – Tilt Lever
4	94–2382	1	Bracket – Detent
5	3296–42	2	Nut–Lock Ni
6	95–3805	1	Spring
7	3229–1	2	Screw–CARR
8	94–7947	1	Assembly – Hose
9	94–7949	1	Assembly – Hose
10	95–4137	1	Fitting – Hydraulic Long
10:1	237–42	1	O–Ring
10:2	237–22	1	O Ring
11	94–2451	1	Wa–Power Column
12	33103–020	1	Screw–HHF
13	48–8020	4	Washer
14	94–7948	1	Assembly – Hose
15	95–4139	2	Fitting – Hydr. Straight
15:1	237–42	1	O–Ring
15:2	237–21	1	O Ring
16	95–3807	1	Assembly – Hose
17	95–4138	2	Fitting – Hydr. Straight
17:1	237–22	1	O Ring

Ref. No.	Part No.	Qty.	Description
17:2	237–42	1	O–Ring
18	94–7946	1	Assembly – Hose
19	94–7567	1	Cntrl Unit – Power Strg
20	3296–29	2	Nut–Lock Ni
21	94–7599–03	1	Brkt–Pivot,Pwr Strg
22	94–7582	1	Bolt – Shoulder
23	108881	1	Nut–Differential
24	322–6	2	Screw–HH
25	94–7521–03	1	Wa–Power String Pivot
26	33103–025	3	Screw–HHF
27	94–2025	1	Washer – Boot
28	69–8420	1	Washer–Lock
29	95–4182	1	Nut – HH Jam
30	98–1459	1	Decal – Toro
31	3256–22	2	Washer–Flat

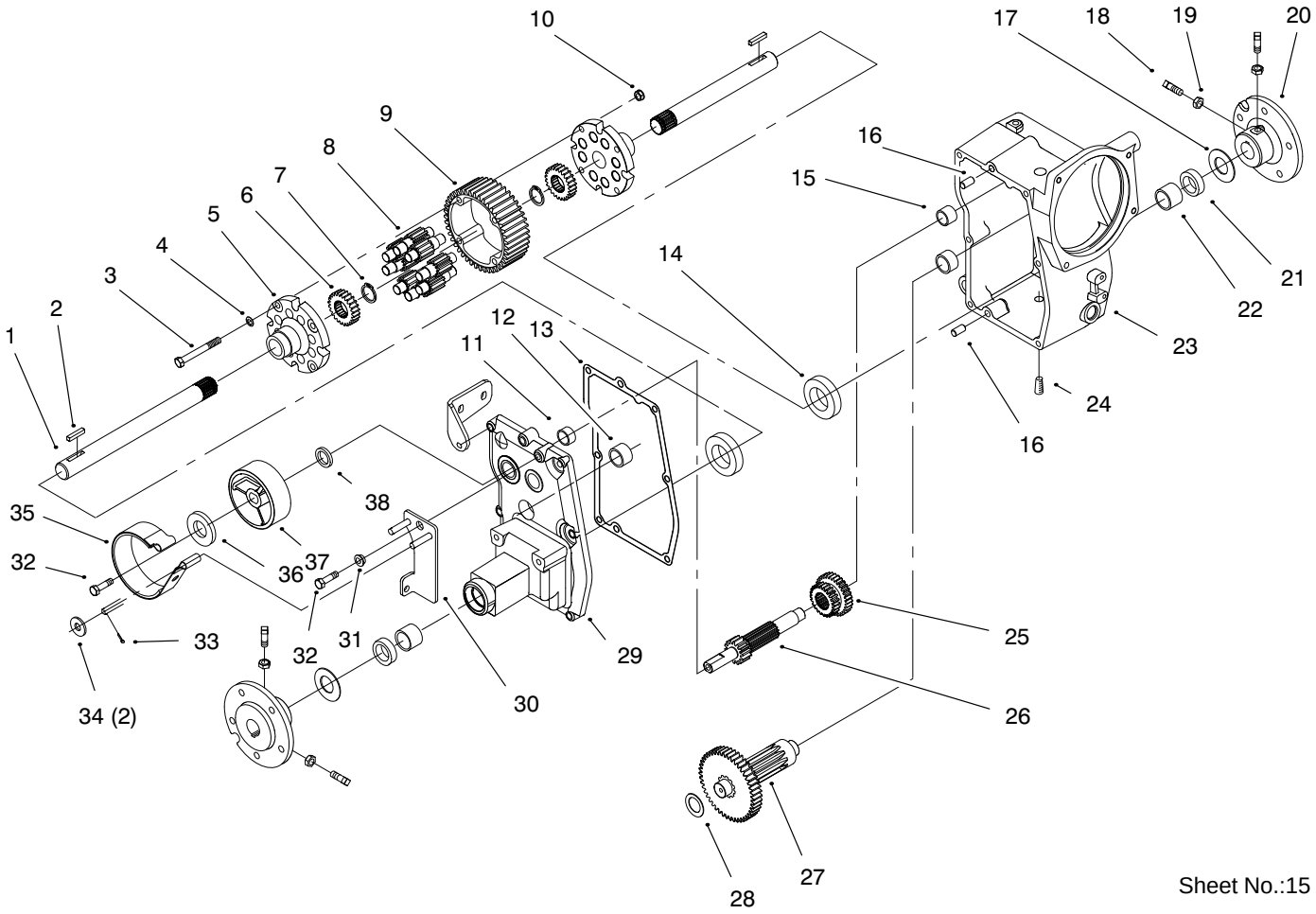


Sheet No.:14

Tie Rods, Spindle, & Front Axle Assembly

Ref. No.	Part No.	Qty.	Description
1	3296–39	2	Nut–Lock Ni
2	94–2205–03	1	Wa – Pivot Pin
3	3220–5	2	Nut–Hex Jam
4	94–7539	2	Balljoint – LH Thread
5	94–2212	2	Rod – Steering
6	98–8088	2	Nut–Lock
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–Hex,Jam,LH
12	98–8086	2	Balljoint – RH Thread
13	94–7537–03	1	Wa – LH Spindle
14	9548	2	Washer–Thrust
15	3296–61	1	Nut–Lock
16	302–5	1	Fitting–Lube
17	94–7568–03	1	Axle–Front 25mm
18	302–5	2	Fitting–Lube
19	94–7536–03	1	Wa–RH Spindle
20	99–3695	2	Wheel & Tire ASM, Toro
20:1	99–3696	1	Tire
20:2	94–7541	1	Rim ASM, Toro
20:2:1	5108	1	Valve–Tubeless Tire
20:2:2	94–7538	2	Bearing
20:2:2:1	94–2053	1	Ring–Snap

Ref. No.	Part No.	Qty.	Description
20:99	112819	1	Tube–Inner
21	95–4060	2	Washer – Wheel
22	9202514	4	Washer
23	9202524	2	Washer
24	3272–18	2	Pin–Cotter
25	94–7871	2	Cap – Dust
26	98–1642	2	Cap – Spindle
27	3231–25	2	Screw–CARR
28	98–8089	2	Nut–Esna

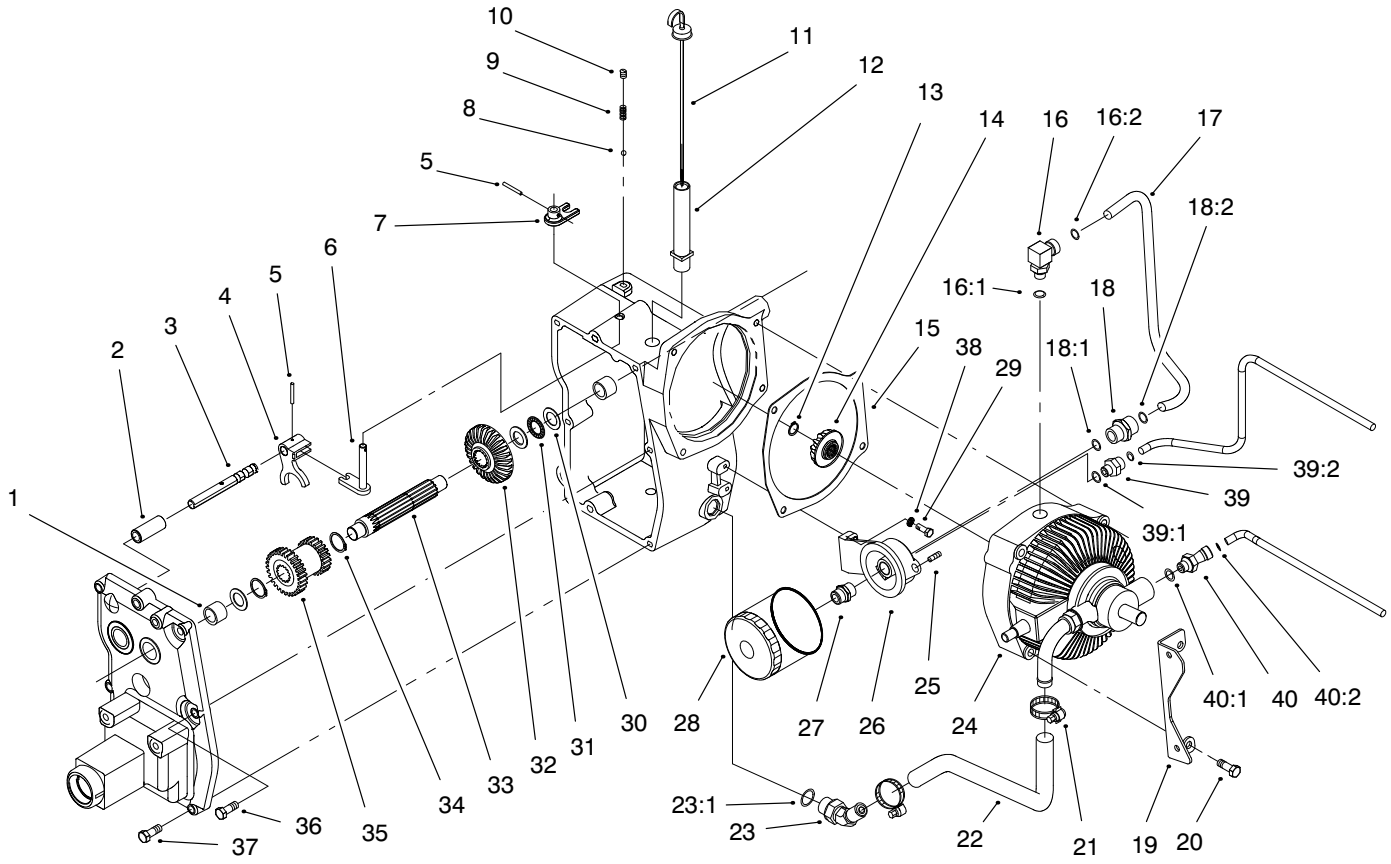


Sheet No.:15

Hydro Trans Axle Assembly

Ref. No.	Part No.	Qty.	Description
1	79–3340	2	Axle–Rear (11.62)
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–Differential
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–Whl(5blt1–1/8 (Black))
21	6449	2	Seal–Oil
22	9416	2	Bearing
23	94–2001–03	1	Case–LH–Trans
24	99–8551	1	Plug–Pipe

Ref. No.	Part No.	Qty.	Description
25	94–2008	1	Gear – Sliding
26	94–2007	1	Shaft – Brake
27	94–2006	1	Assembly – Gear
28	9547	1	Washer–Thrust
29	94–2002–03	1	Case–RH–Trans
30	94–2019–03	1	Wa–Brake Pivot Arm
31	100309	1	Cam–Spacer
32	3235–22	2	Screw–HH
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



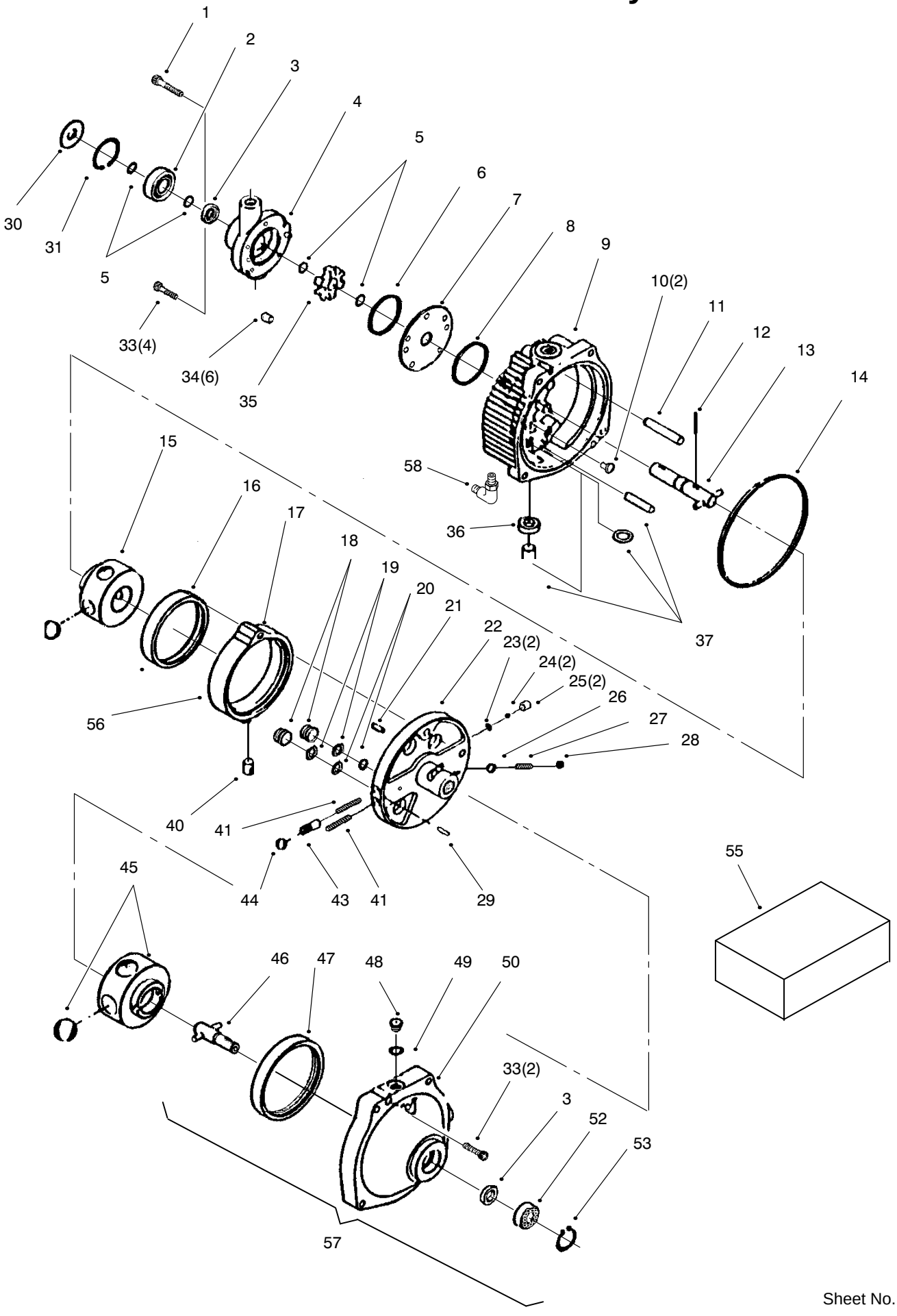
Sheet No.:16

Hydro Trans Axle Assembly (cont.)

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	Wa – Shifter Arm
7	94–7510	1	Shift – Hi/Lo
8	3517	1	Ball–Detent
9	94–2024	1	Spring – Shift Detent
10	3247–2	1	Screw–Hex Socket Set
11	94–7680–03	1	Dipstick
12	94–7559	1	Tube – Dipstick
13	32120–64	1	Ring–External Snap
14	94–7565	1	Pinion – Bevel
15	702062	1	Gasket – Trans.
16	94–7693	1	Fitting – Orfs 08–06 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 – Orfs 08–06 Str
18:1	237–42	1	O–Ring
18:2	237–30	1	O–Ring
19	94–2148–03	1	Plate–Sprt Brkt

Ref. No.	Part No.	Qty.	Description
20	323–13	4	Screw–HH
21	2412–141	2	Clamp – Worm Drive
22	95–4133	1	Hose – Suction
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	79–5270	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–External Snap
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/Sp
39	95–4138	1	Fitting – Hydr. 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

Transmission Assembly

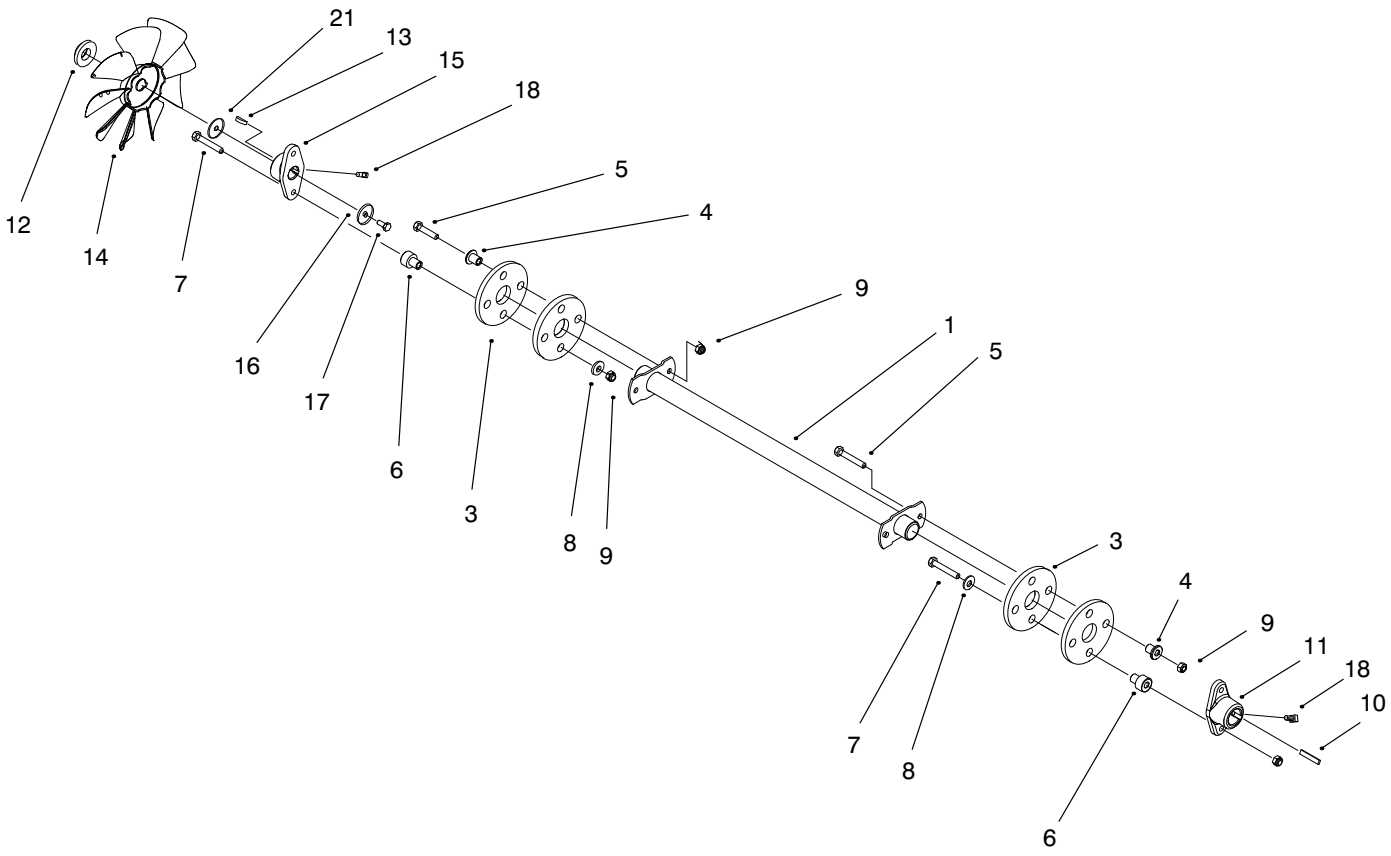


Sheet No.:300

Transmission Assembly

Ref. No.	Part No.	Qty.	Description
1	56–2800	1	Screw–HH
2	56–2810	1	Bearing–Ball
3	56–2820	2	Seal–Oil
4	98–7377	1	ASM–Pump
5	56–3090	4	Ring–Retaining
6	56–2850	1	Ring–Seal
7	56–2860	1	Plate–Pump
8	56–2870	1	Ring–Seal
9	112641	1	Cover ASM
10	56–2880	2	Button
11	56–2890	1	Pin–Dowel
12	56–2900	1	Pin–Drive
13	56–2910	1	Shaft–Input
14	56–2920	1	Ring–Seal
15	56–2930	1	Rotor/Ball–Pump
16	113136	1	Race–Pump
17	93–9810	1	Ring–Cam
18	56–2950	2	Piston
19	56–2960	2	Ring–Backup
20	56–2970	2	O–Ring
21	56–2980	1	Pin–Coil
22	56–2990	1	Pintle ASM
23	56–3000	2	Ring–Retaining
24	56–3010	2	Ball–.313 Dia
25	56–3020	2	Body–Valve
26	56–3030	1	Ball–.438 Dia
27	56–3040	1	Spring–Valve
28	56–3050	1	Plug–Valve
29	56–3060	1	Pin–Dowel
30	112652	1	Shield–Grass
31	112653	1	Ring–Retaining
33	56–3100	6	Screw–HSBH
34	56–3110	6	Roller
35	56–3120	1	Carrier
36	56–3130	1	Seal–Oil
37	56–3140	1	Kit–Shaft
40	56–3170	1	Insert–Ring
41	56–3180	1	Spring–Valve
43	56–3200	2	Body–Valve
44	56–3210	2	Ball–.625 Dia
45	56–3220	1	Rotor/Ball–Motor
46	56–3230	1	Shaft–Output
47	56–3240	1	Race–Motor
48	56–3250	1	ASM–Plug
49	56–3260	1	O–Ring
50	98–7379	1	Body
52	56–3280	1	Bearing–Ball
53	56–3290	1	Ring–Retaining
55	56–3310	1	Kit–Seal
56	56–2940	1	Cam Ring ASM Incl 16 & 17
57	98–7380	1	ASM–Body
58	98–7378	1	Fitting–90 Bent Tube

Ref. No.	Part No.	Qty.	Description

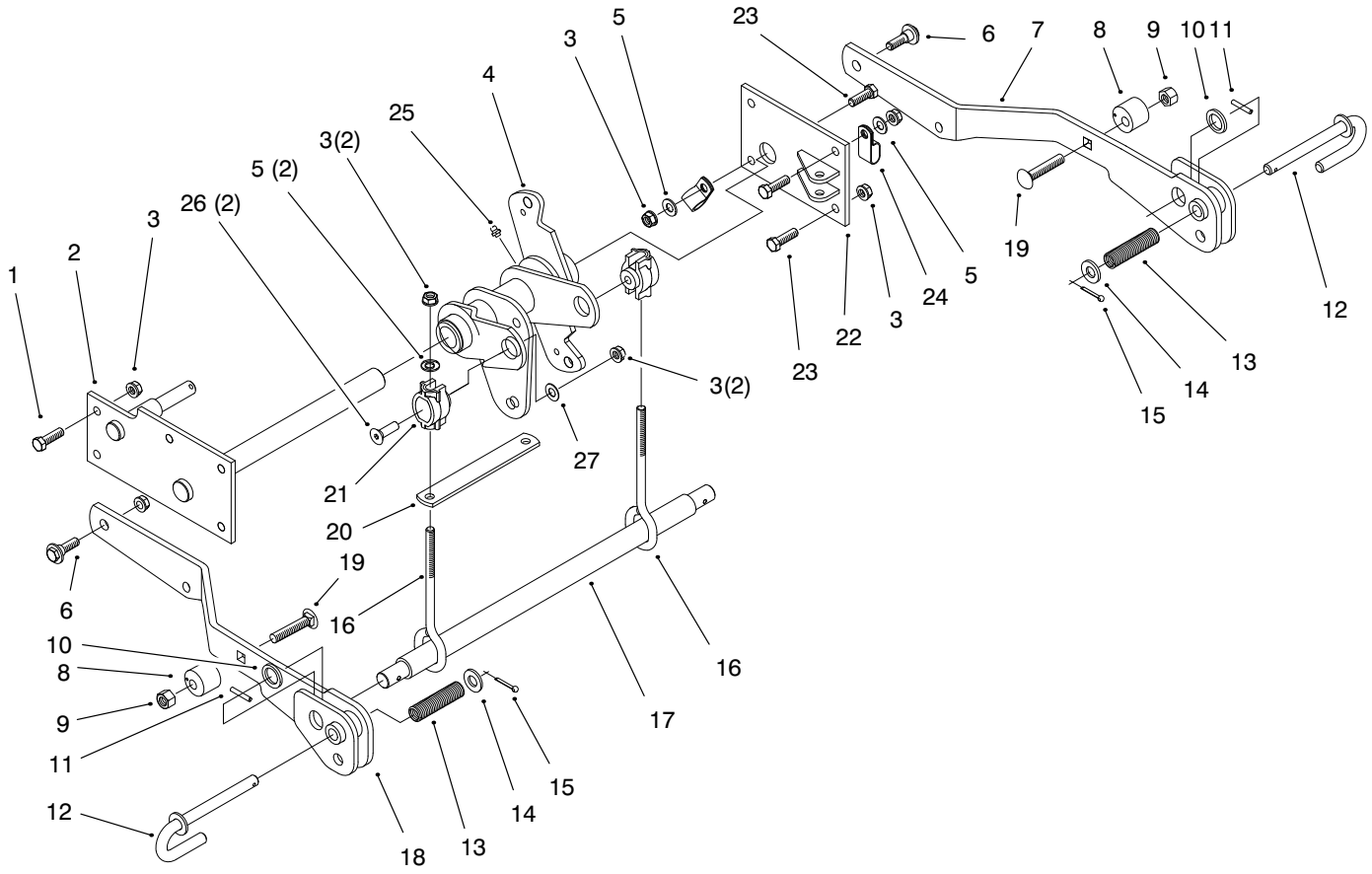


Sheet No.:17

Drive Shaft Assembly

Ref. No.	Part No.	Qty.	Description
1	94–2373–03	1	Wa–Drive Shaft
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
14	95–4223	1	Fan – Hydro
15	94–2310	1	Hub
16	103995	1	Washer
17	94–7955	1	Screw – Locl,HH
18	94–7975	4	Screw–Aqh,Set
21	99–2313	1	Washer – Fan

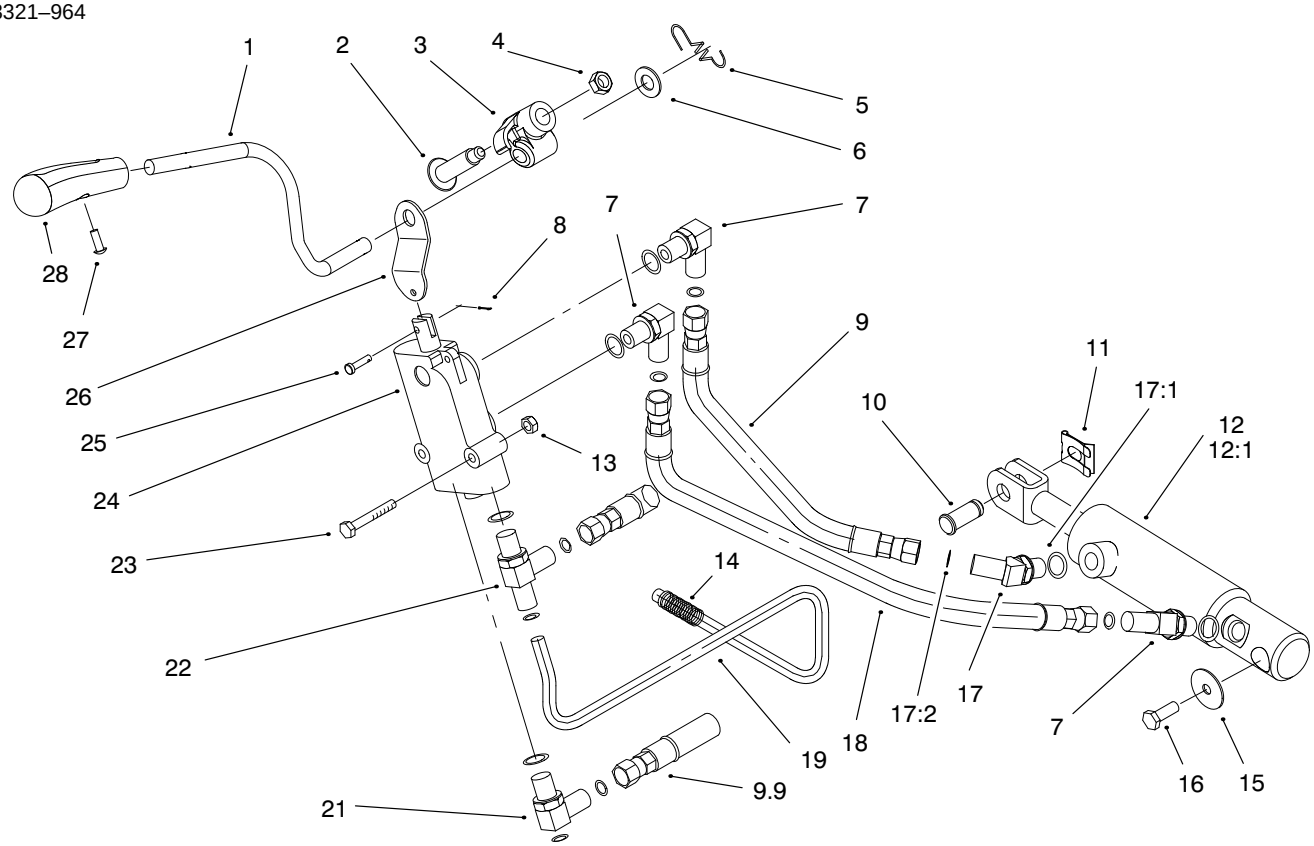
Ref. No.	Part No.	Qty.	Description



Sheet No.:18

Lower Hydro Lift Assembly

Ref. No.	Part No.	Qty.	Description
1	323–7	5	Screw–HH
2	94–2263–03	1	Wa–Deck Lift Support
3	3296–39	13	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	Wa – LH Lift Arm
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	94–2262	2	Rod – Lift
17	94–2277–03	1	Bar – Lift
18	94–2278–03	1	Wa – RH Lift Arm
19	3232–5	2	Screw–CARR
20	94–7600–03	1	Spacer–Strap
21	99–2344	2	Sleeve–Lift
22	99–3746–03	1	Support–Cyl., W.a.
23	323–18	4	Screw–HH
24	98–1617	1	Clamp–Tube
25	302–5	1	Fitting–Lube
26	99–8051	2	Screw
27	99–6496	2	Washer–Flat

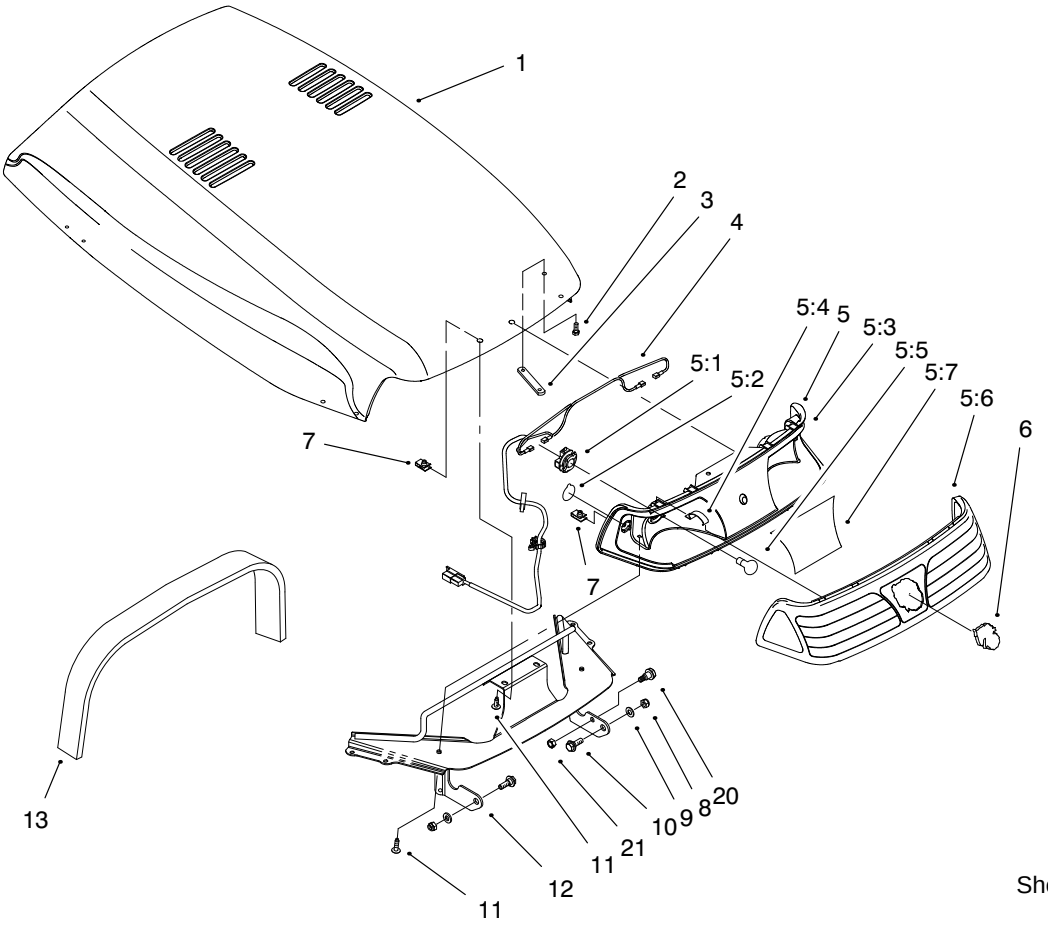


Sheet No.:19

Upper Hydro Lift 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
8	3272–1	1	Pin–Cotter
9	94–7945	1	Assembly – Hose
10	98–1639	1	Pin – Clevis
11	95–4064	1	Clip – Pin
12	94–2300	1	ASM – Lift Cylinder
12:1	95–4007	1	Seal Kit
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	Assembly – Hose
19	94–7970	1	Tube – Hydraulic
21	95–4140	1	Fitting – Hydraulic 90
22	95–4134	1	Fitting – Hydraulic Tee

Ref. No.	Part No.	Qty.	Description
23	321–10	2	Screw–HH
24	95–4019	1	Valve – Hydraulic
25	283–16	1	Pin–Clevis
26	98–1620	1	Link – Lift
27	95–4236	1	Tscrew – PPH
28	94–2100	1	Knob – Lift



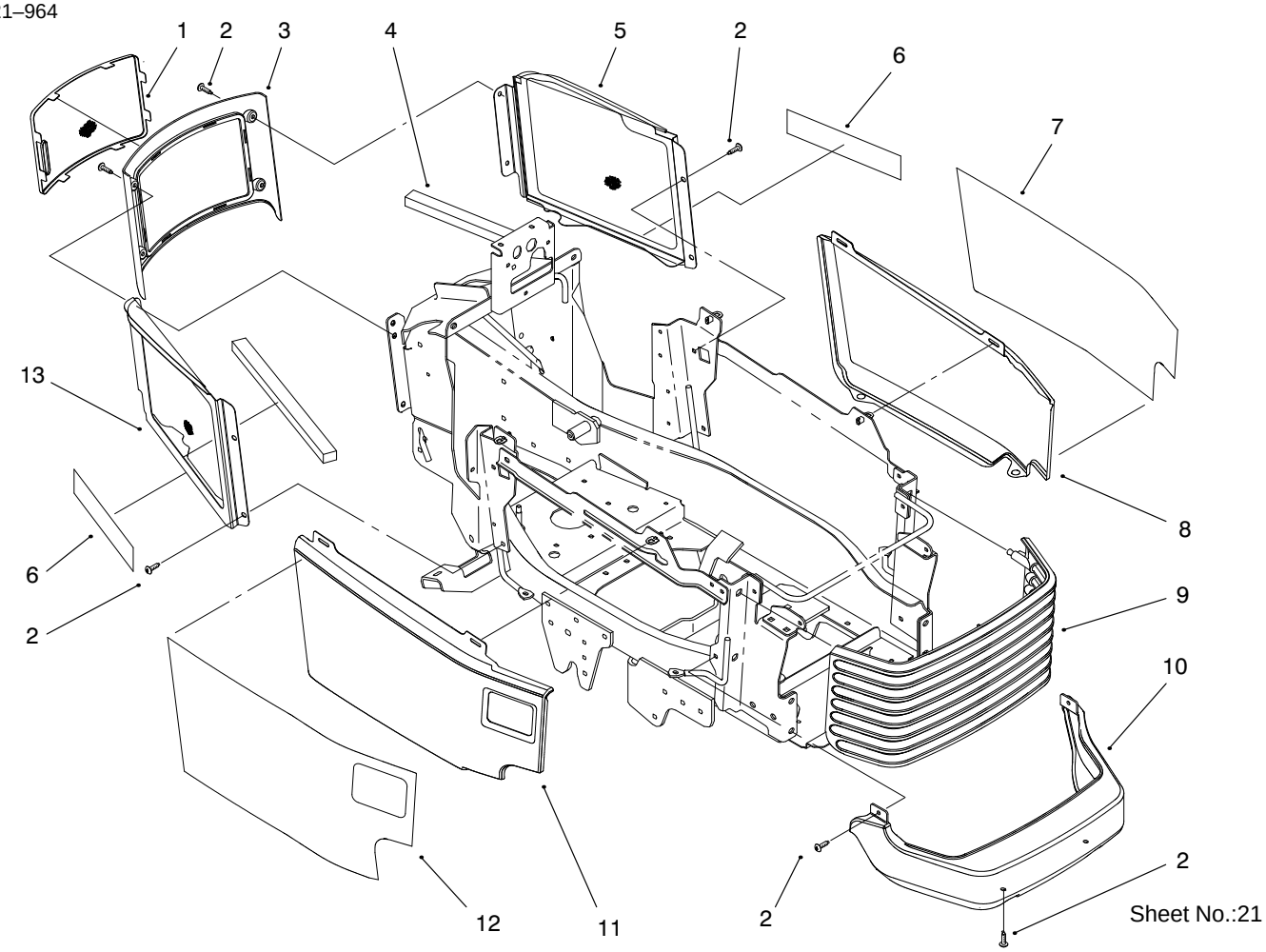
Sheet No.:20

Hood & Headlight Assembly

Ref. No.	Part No.	Qty.	Description
1	98–7205	1	Assembly – Hood (Service)
2	63–8590	4	Screw
3	99–2323	2	Plate–Nut
4	95–0691	1	Harness – Wire,Lights
5	95–4166	1	Assembly – Headlight
5:1	98–3591	2	ASM – Socket, Sealed
5:2	98–1602	2	Decal – Sidelight
5:3	94–2098	1	Reflector – Headlight
5:4	95–4129	4	Clip – Retainer
5:5	7228	2	Bulb –No. 1156
5:6	94–2099	1	Lens – Headlight
5:7	98–3597	1	Decal–Headlight Reflector
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	Front Bulkhead, W.a.
13	95–4078	1	Foam Seal – Rear Bh
20	92–6986	1	Bolt – Shoulder
21	3296–47	1	Nut–Lock Ni

Ref. No.	Part No.	Qty.	Description

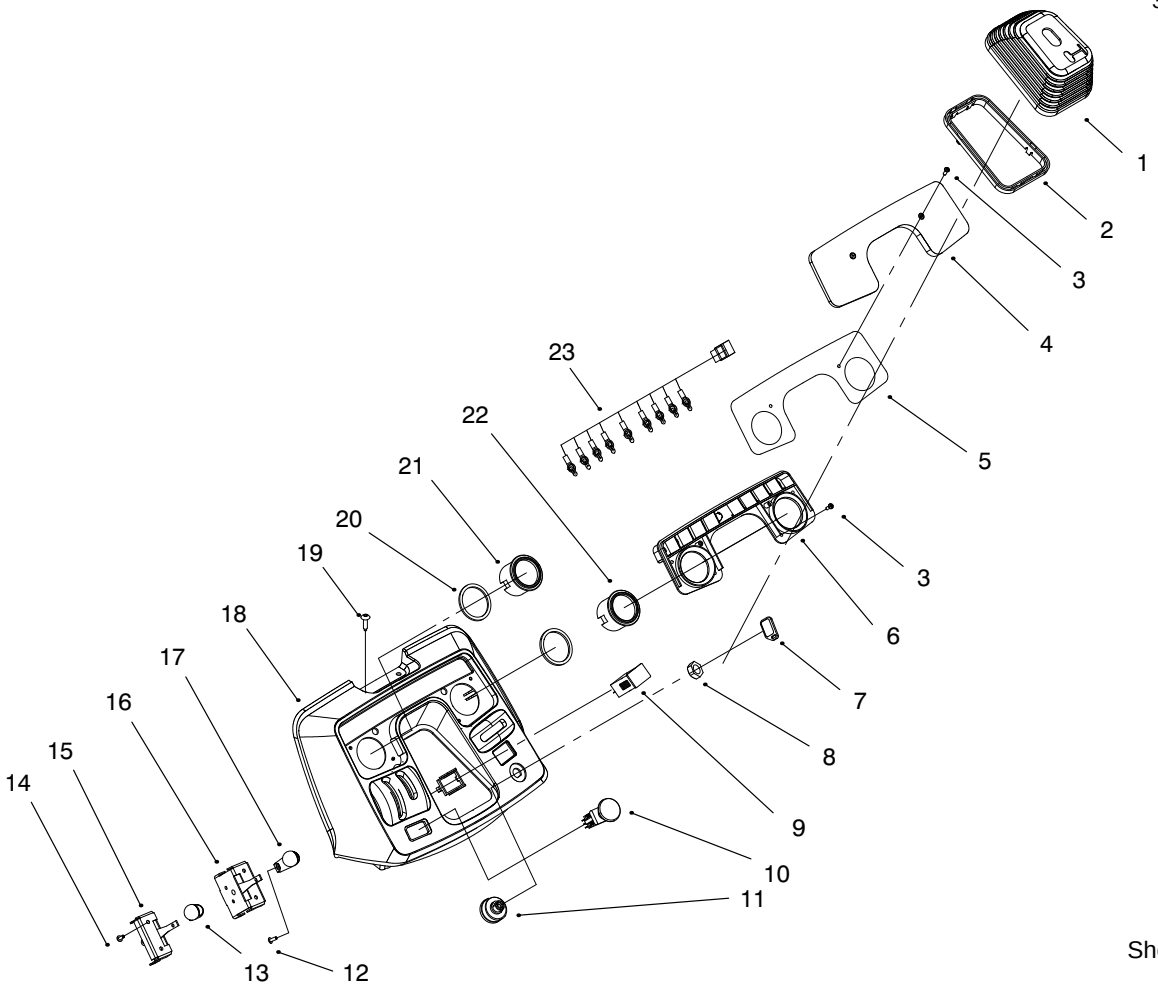
3321–964



Grill & Side Panels Assembly

Ref. No.	Part No.	Qty.	Description
1	98–8714	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	Wa – Side Cover LH
6	98–1605	2	Decal – 22gt
7	95–4260	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	95–4261	1	Decal – Hood RH
13	95–4113–03	1	Wa–Side Cover RH

Ref. No.	Part No.	Qty.	Description



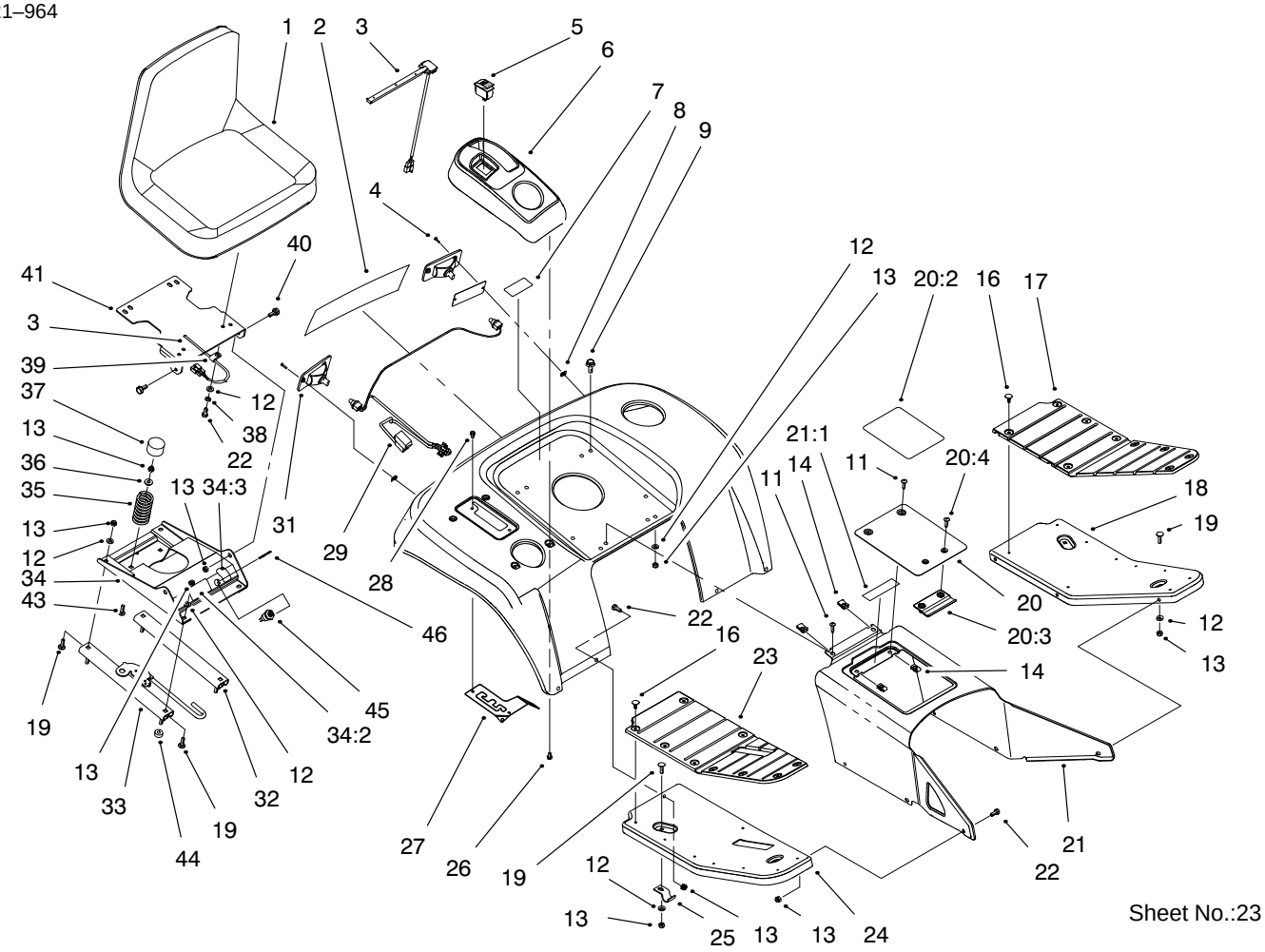
Sheet No.:22

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 X–Recess
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	ASM – Throttle Control
16	95–4035	1	Assembly – Choke Control
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

Ref. No.	Part No.	Qty.	Description
23	99–3720	1	Harness–Light Khl 20,22

3321–964

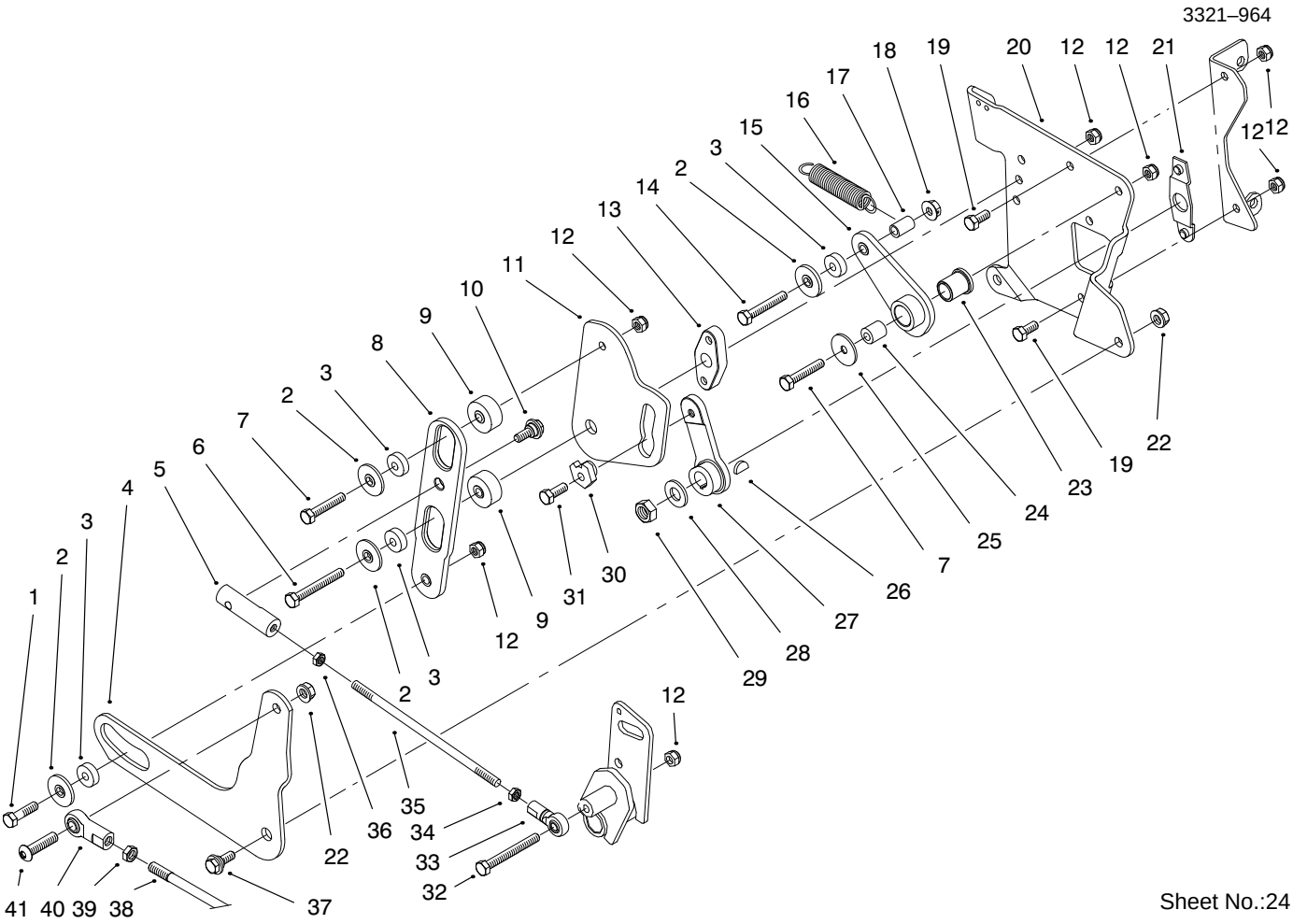


Sheet No.:23

Fender, Footrest, & Seat Assembly

Ref. No.	Part No.	Qty.	Description
1	94–3518	1	Seat
2	95–4262	1	Decal – 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
7	76–1340	1	Decal – USA
8	95–4115	4	Nut – Speed
9	3234–29	4	Screw–HHF
11	92–7020	4	Screw–HH
12	3256–23	21	Washer–Flat
13	3296–29	29	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–HH
20	99–6089	1	ASM Cover/Decal
20:2	99–6090	1	Decal–Danger
20:3	95–4107	1	Retainer – Cover
20:4	32104–123	2	Screw–Plastite
21	98–5025	1	ASM – Tunnel w/Decal
21:1	80–8760	1	Decal – Danger
22	322–3	18	Screw–HH
23	94–2095	1	Pad – RH Footrest

Ref. No.	Part No.	Qty.	Description
24	94–2089–01	1	Footrest – RH
25	95–3858	2	Bracket–Footrest
26	32144–20	4	Screw–Thread Forming
27	98–8711–03	1	Gate – Hi/Lo Shift
28	32144–4	2	Screw–HH
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	99–6098	1	Seat Base ASM
34:2	99–2985	1	Decal–Danger
34:3	99–5339	1	Decal–Nmir Switch
35	94–2106–03	2	Spring – Compression
36	105503	2	Bushing
37	95–4242	2	Cap – Seat Spring
38	3253–4	4	Washer–Lock/Sp
39	98–2390	1	Clamp – R
40	37–8771	2	Screw–Shoulder
41	94–2111–03	1	Mount – Seat
43	3230–22	2	Screw–CARR
44	4–2390	4	Washer
45	46–5780	1	Switch–Starter
46	62–7770	1	Key–Ignition

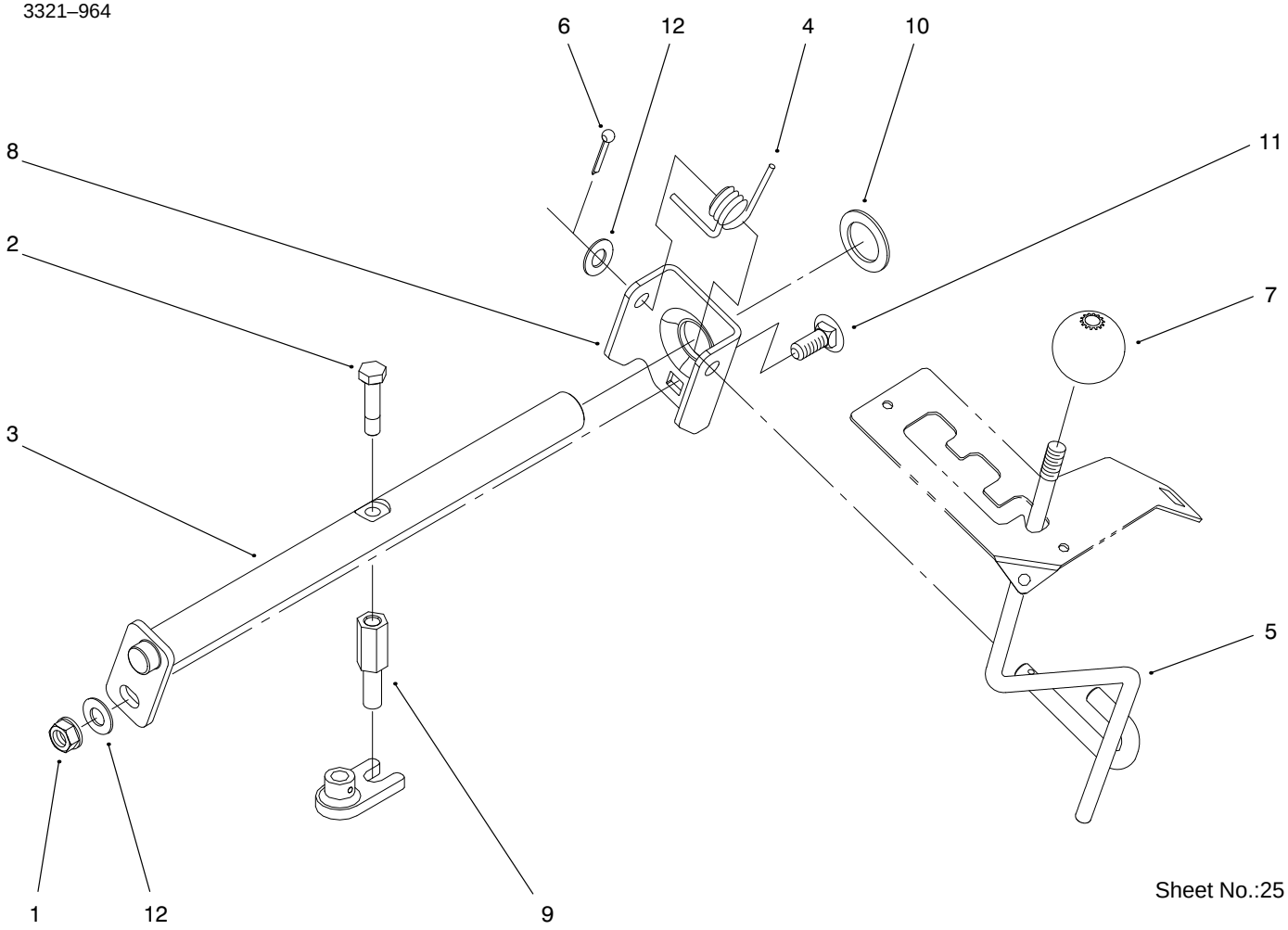


Rear Smart Turn Assembly

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	Wa – Lift Slider
5	94–7637	1	End – 5/16 RH Rod
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	7	Nut–Lock Ni
13	94–2168	1	Standoff – Slider
14	322–10	1	Screw–HH
15	94–7586	1	Arm – Rtn To Neutral
16	63–1590	1	Spring–Idler
17	94–2309	1	Standoff – Spring
18	32128–30	1	Nut
19	322–3	2	Screw–HH
20	99–8053–03	1	Plate–Control
21	94–7814	1	Locator–Control Plate
22	108881	2	Nut–Differential
23	94–7913	1	Bushing – Flanged
24	94–7564	1	Spacer
25	3256–57	1	Washer–Flat
26	3257–24	1	Key–Woodruff

Ref. No.	Part No.	Qty.	Description
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 LH
35	94–2497	1	Rod – Slider To Pivot
36	3220–2	1	Nut–Jam
37	94–7582	1	Bolt – Shoulder
38	94–7500	1	Rod–Lift Lever To Strg
39	3220–3	1	Nut–Jam
40	92–7008	1	Rod End – Female
41	95–3857	1	Screw – Button Head

3321–964

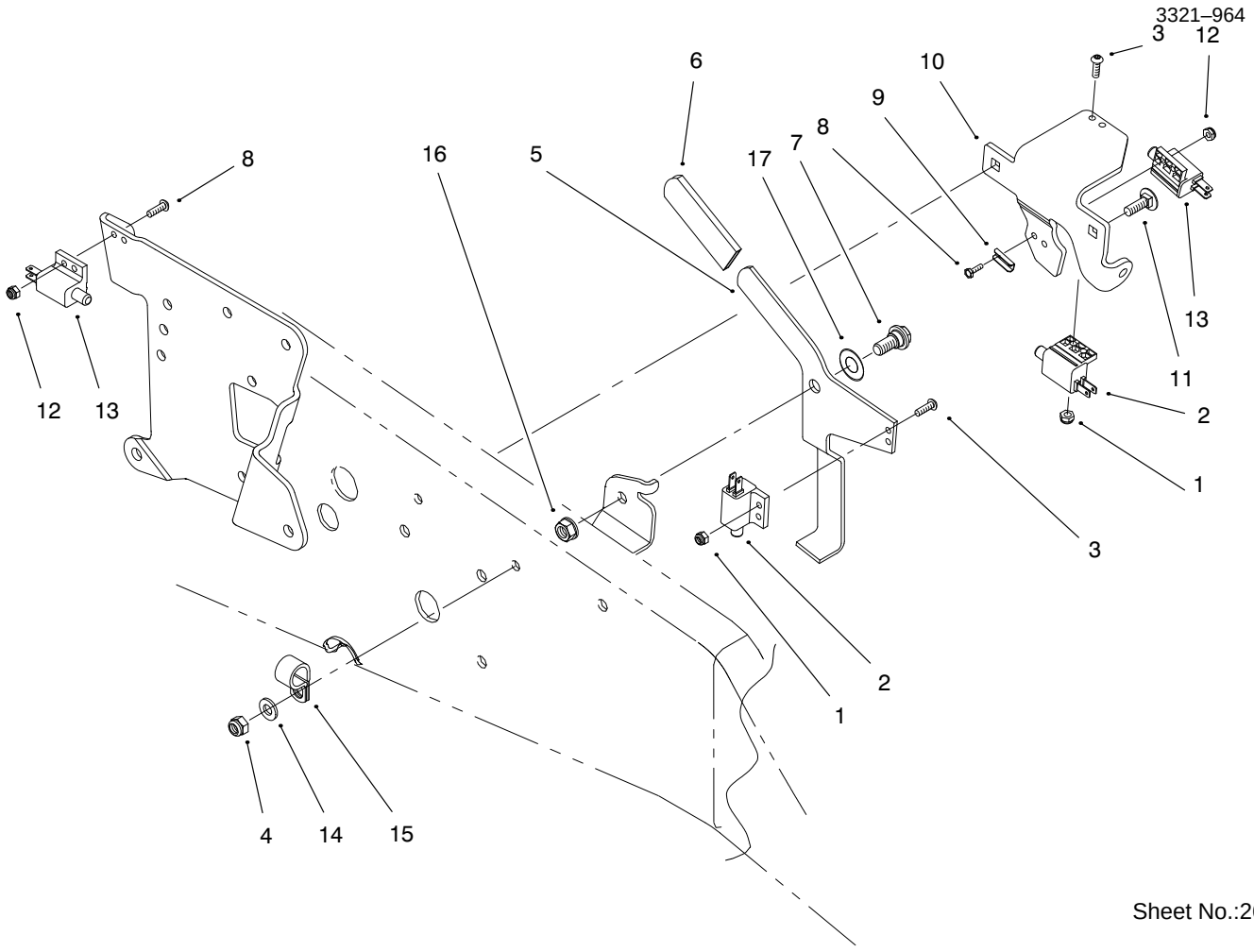


Sheet No.:25

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–Welded
4	99–4446	1	Spring–Torsion
5	99–4448	1	Lever–Shift W.a.
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



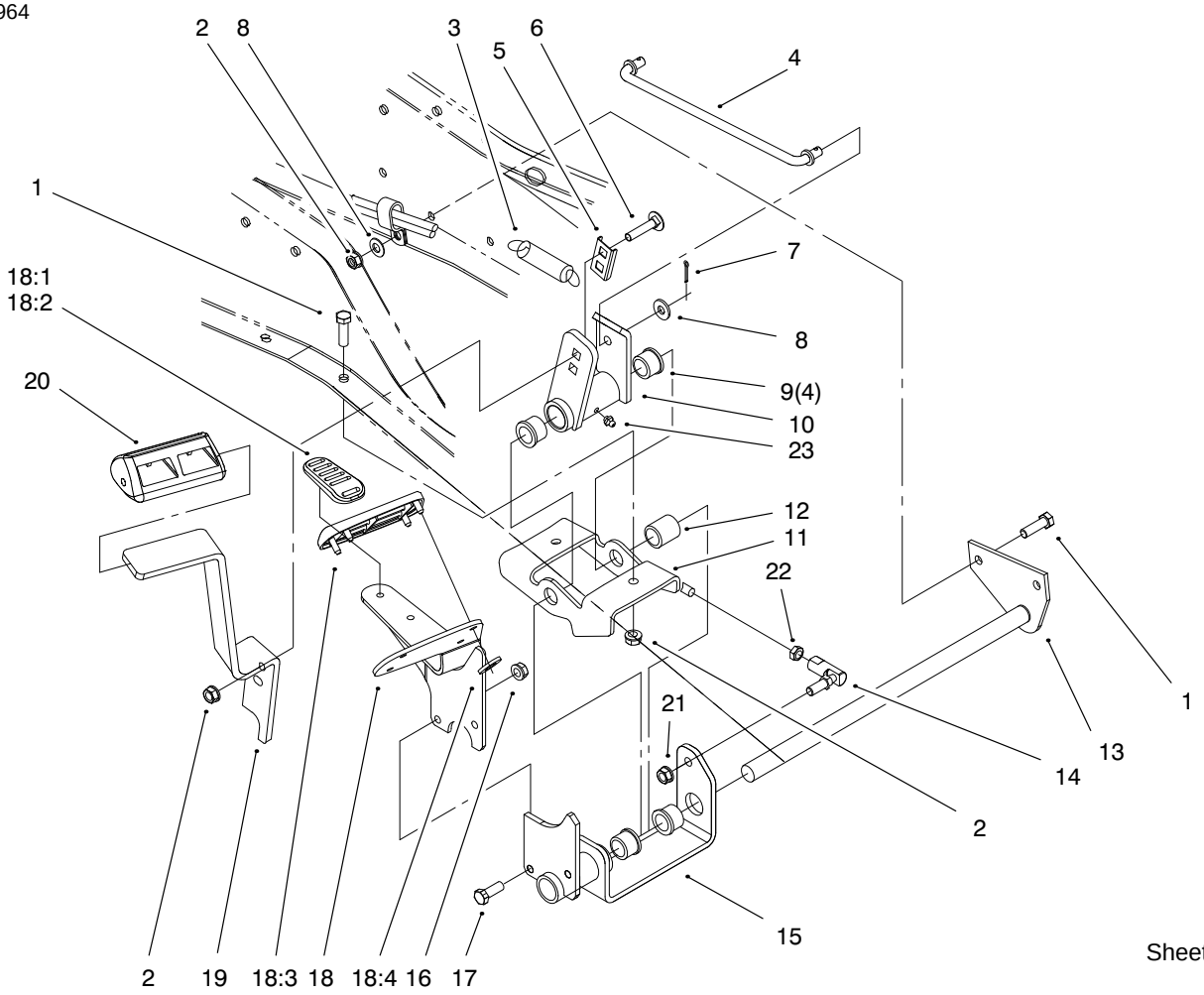
Sheet No.:26

Upper Parking Brake Assembly

Ref. No.	Part No.	Qty.	Description
1	3296–2	4	Nut–Lock Esna
2	65–7410	2	Switch – Single Pole
3	3274–14	4	Screw–HSH
4	3296–29	2	Nut–Lock Ni
5	94–2157–03	1	Latch–Prking 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–HH
12	3296–1	4	Nut–Lock Ni
13	95–1653	2	Switch – Single Pole
14	3256–23	1	Washer–Flat
15	98–2358	1	Clamp – R
16	108881	1	Nut–Differential
17	98–3087	1	Washer – Power Steering

Ref. No.	Part No.	Qty.	Description

3321–964

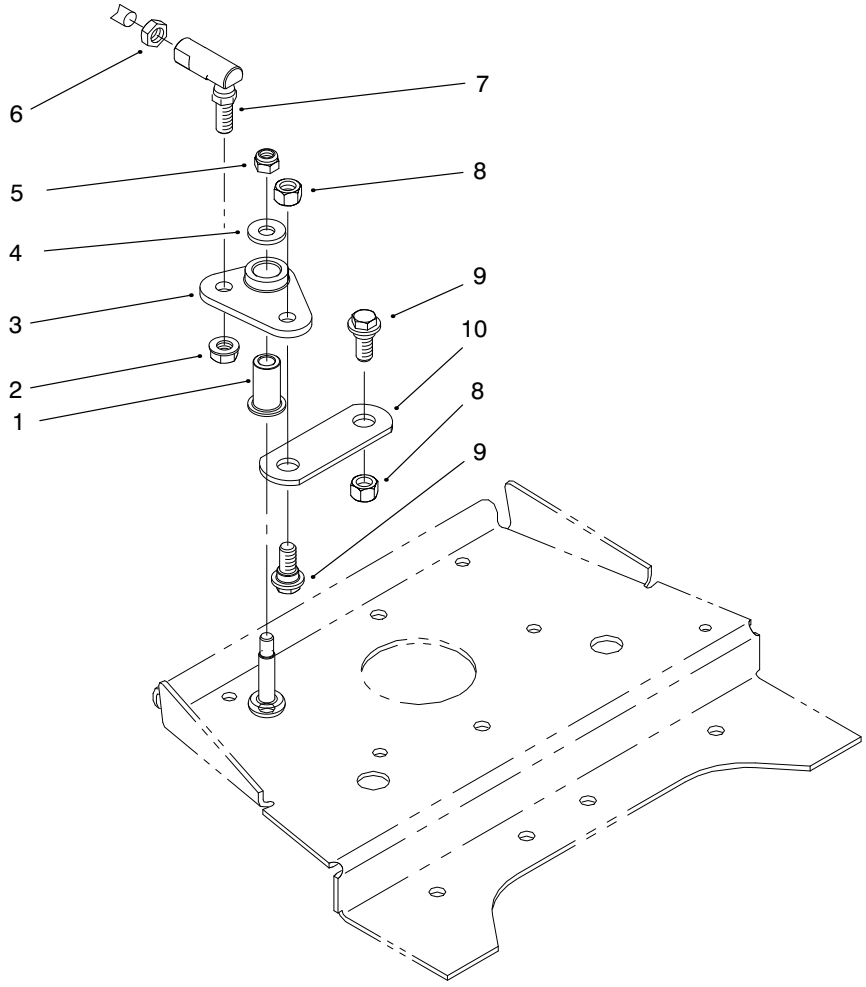


Sheet No.:27

Hydro Controls 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	Wa – Brake Bracket
11	94–2343–03	1	Bracket – Support
12	94–7501	1	Spacer – Pedal
13	94–2345–03	1	Wa–Pivot Shaft
14	94–7572	1	End – RH Tie Rod
15	94–2342–03	1	Wa–Frwd/Rev Brkt
16	3296–29	2	Nut–Lock Ni
17	322–5	2	Screw–HH
18	99–8050	1	Hydro Pedal ASM
18:1	99–2300–03	1	Hydro Pedal, W.a.
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–Lube

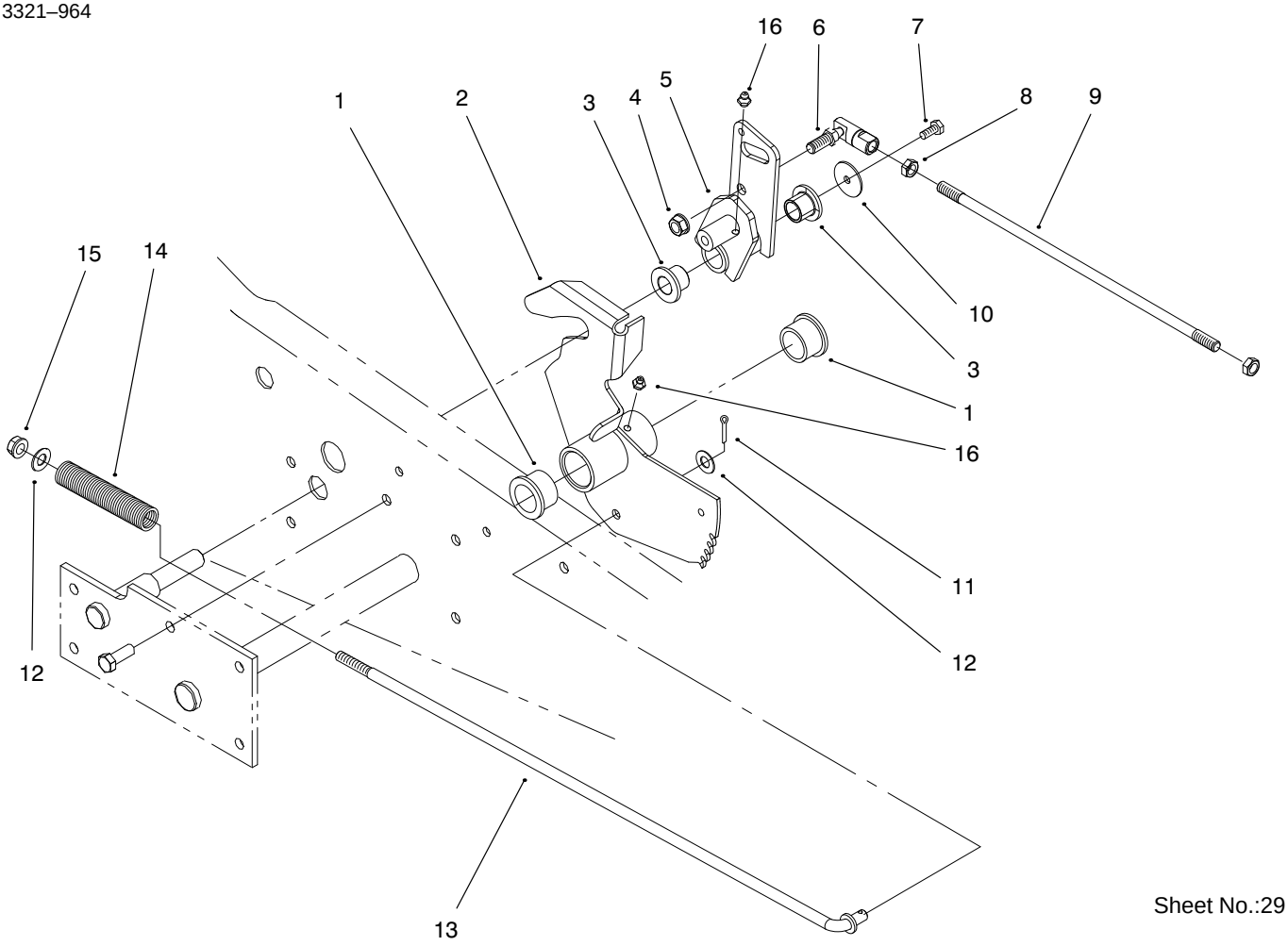


Sheet No.:28

Front Smart Turn 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–Differential
9	94–7582	2	Bolt – Shoulder
10	94–2409	1	LInk – Slow Down

Ref. No.	Part No.	Qty.	Description

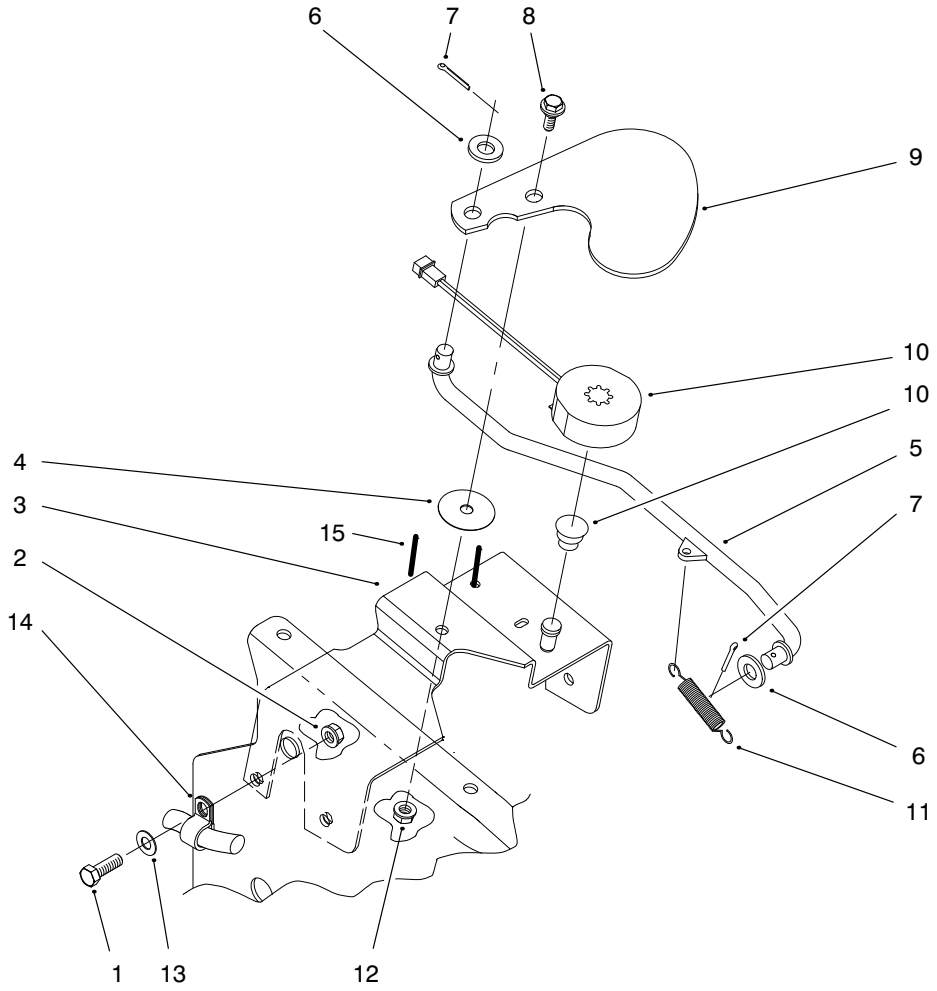


Sheet No.:29

Lower Parking Brake Assembly

Ref. No.	Part No.	Qty.	Description
1	94–7574	2	Bushing – Flanged
2	94–2375–03	1	Wa–Brake Pivot Plate
3	94–7569	2	Bushing
4	3296–6	1	Nut–Lock Ni
5	94–2488–03	1	Wa–Hydro Pivot
6	94–7573	1	End – LH Tie Rod
7	94–7955	1	Screw – Locl,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–Lube

Ref. No.	Part No.	Qty.	Description

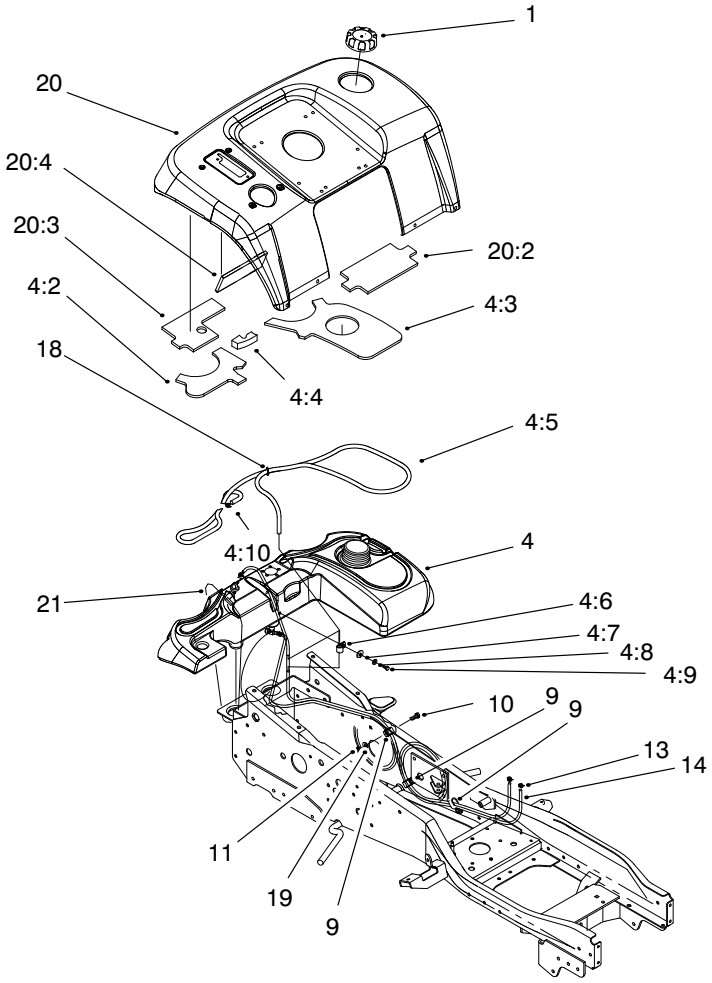


Sheet No.:30

Cruise Control Assembly

Ref. No.	Part No.	Qty.	Description
1	323–6	4	Screw–HH
2	3296–39	4	Nut–Lock Ni
3	99–6097–03	1	Brkt–Cruise
4	94–7575	1	Spacer – Cruise
5	94–7980	1	Wa – Cruise Control Rod
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 Assy
11	66–4160	1	Spring–Upper Solenoid*O
12	108881	1	Nut–Differential
13	3256–24	2	Washer–Flat
14	98–2358	2	Clamp – R
15	614249	1	Strap–Tie Sm

Ref. No.	Part No.	Qty.	Description

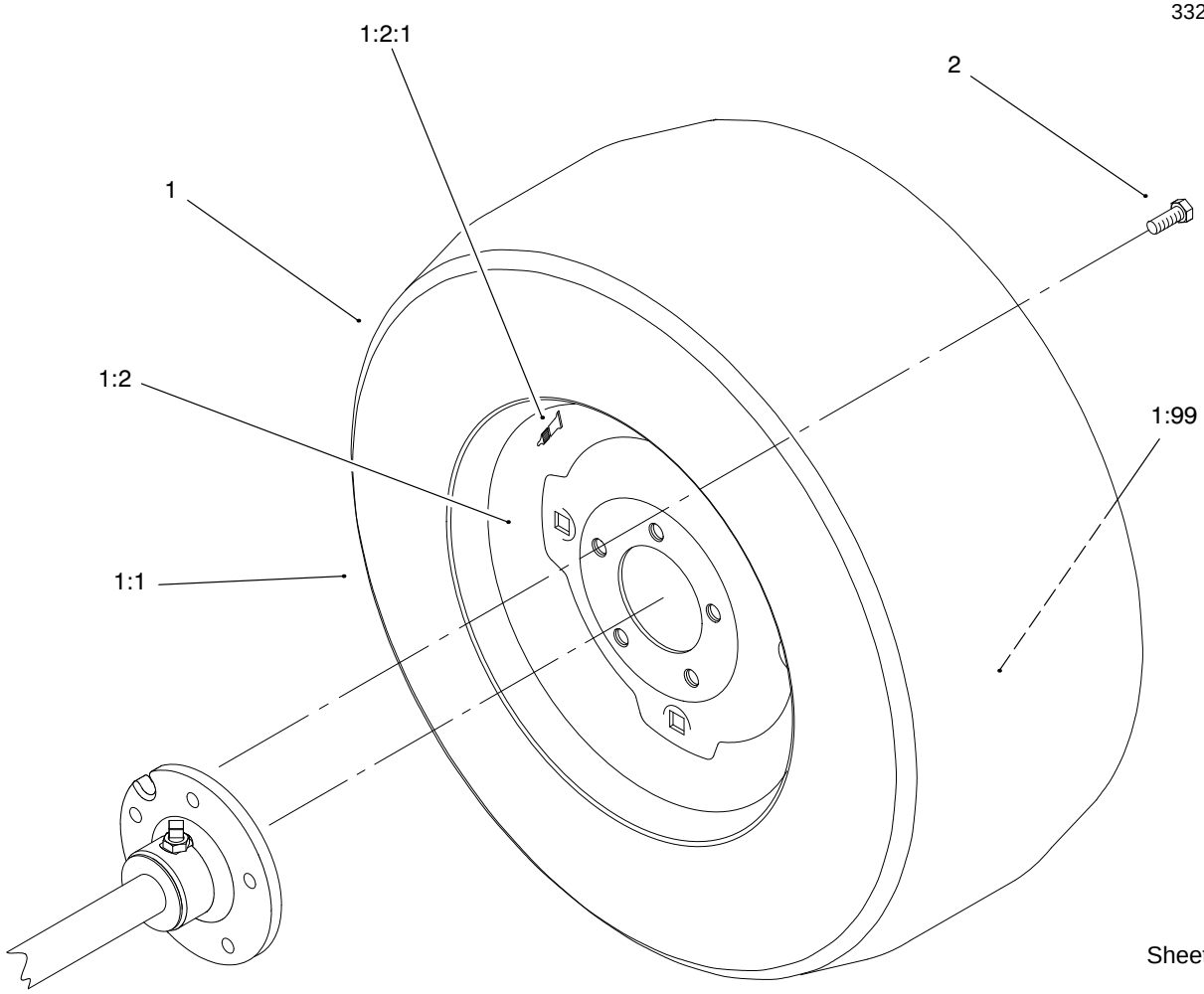


Sheet No.:31

Fender & Fuel System Assembly

Ref. No.	Part No.	Qty.	Description
1	95–4192	1	ASM – Gas Cap Unleaded
4	99–6141	1	Tank–Gas Assy. (Service)
4:2	99–6146	1	Foam–Tank
4:3	99–6145	1	Foam–Tank
4:4	99–6887	1	Foam–Tank Top
4:5	99–8553	1	Hose–Vent (Service)
4:6	2412–94	1	Clamp
4:7	3256–22	1	Washer–Flat
4:8	3253–3	1	Washer–Lock/Sp
4:9	321–3	1	Screw–HH
4:10	94–8189	1	Clamp–Hose
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 (Service)
18	614249	1	Strap–Tie Sm
19	3256–24	1	Washer–Flat
20	98–7208	1	Assembly – Rear Body
20:2	95–4159	1	Foam – Tank LH
20:3	95–4258	1	Foam–Tank RH
20:4	95–4157	1	Foam–Tank Center
21	99–5901	1	Tie–Cable

Ref. No.	Part No.	Qty.	Description



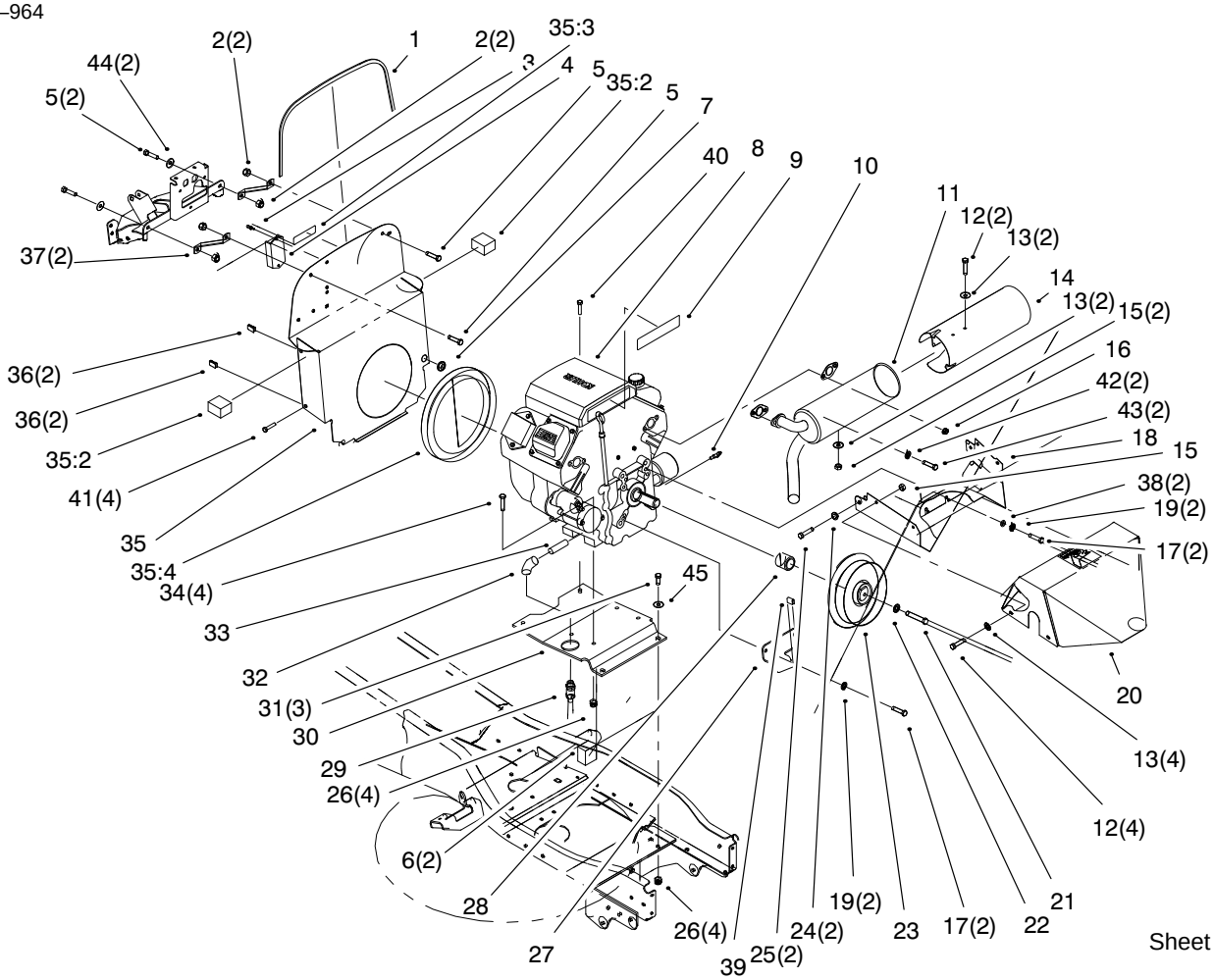
Sheet No.:32

Wheel Assembly

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

Ref. No.	Part No.	Qty.	Description

3321–964

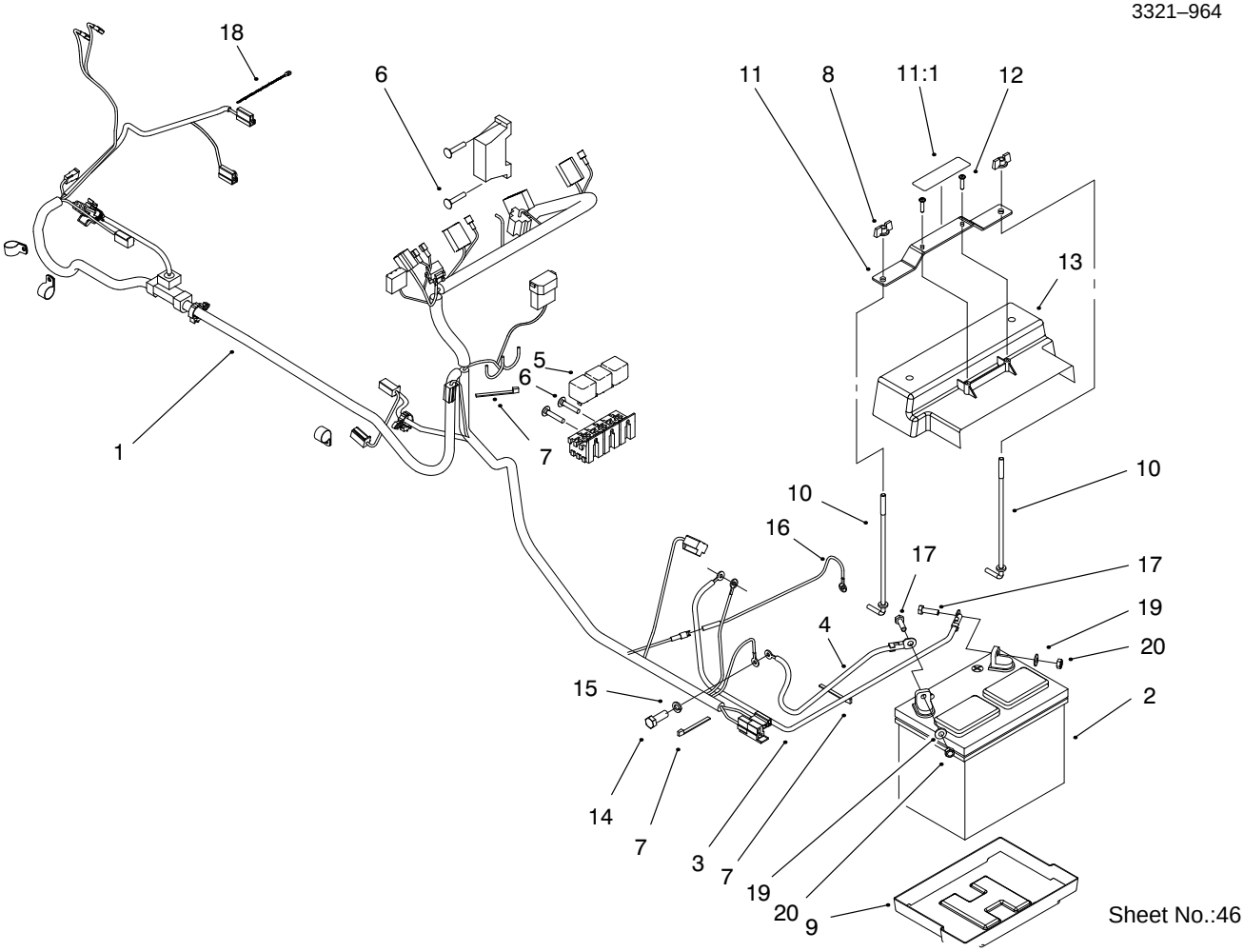


Sheet No.:33

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	12–5450	1	Screw–Special Vex
4	99–1933	1	Module–Low Voltage
5	322–3	4	Screw–HH
6	98–3086	2	Foam Seal – Kohler, Side
7	240–9	1	Grommet
8	94–2161	1	Engine – 22hp
9	98–3581	1	Decal – 22 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–Conelock
16	92–6780	4	Nut–Hex Flange
17	323–6	4	Screw–HH
18	94–7522–03	1	Shrd–Muffler
19	3253–5	4	Washer–Lock/Sp
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
24	3253–3	2	Washer–Lock/Sp

Ref. No.	Part No.	Qty.	Description
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 – Oil Drain
30	94–2199–03	1	Plate – Engine
31	323–7	3	Screw–HH
32	2811–16	1	Elbow–90 Degree
33	98–7200	1	Nipple
34	323–9	4	Screw–HH
35	98–5060	1	ASM–Bulkhead w/Decal
35:2	98–3086	2	Foam Seal – Kohler, Side
35:3	98–5012	1	Decal – Warning
35:4	95–4104	1	Seal – Foam Kohler
36	107069	4	Clip
37	95–4117–03	2	Brkt–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/Sp
43	33104–020	2	Screw–HHF
44	3256–23	2	Washer–Flat
45	3256–24	2	Washer–Flat



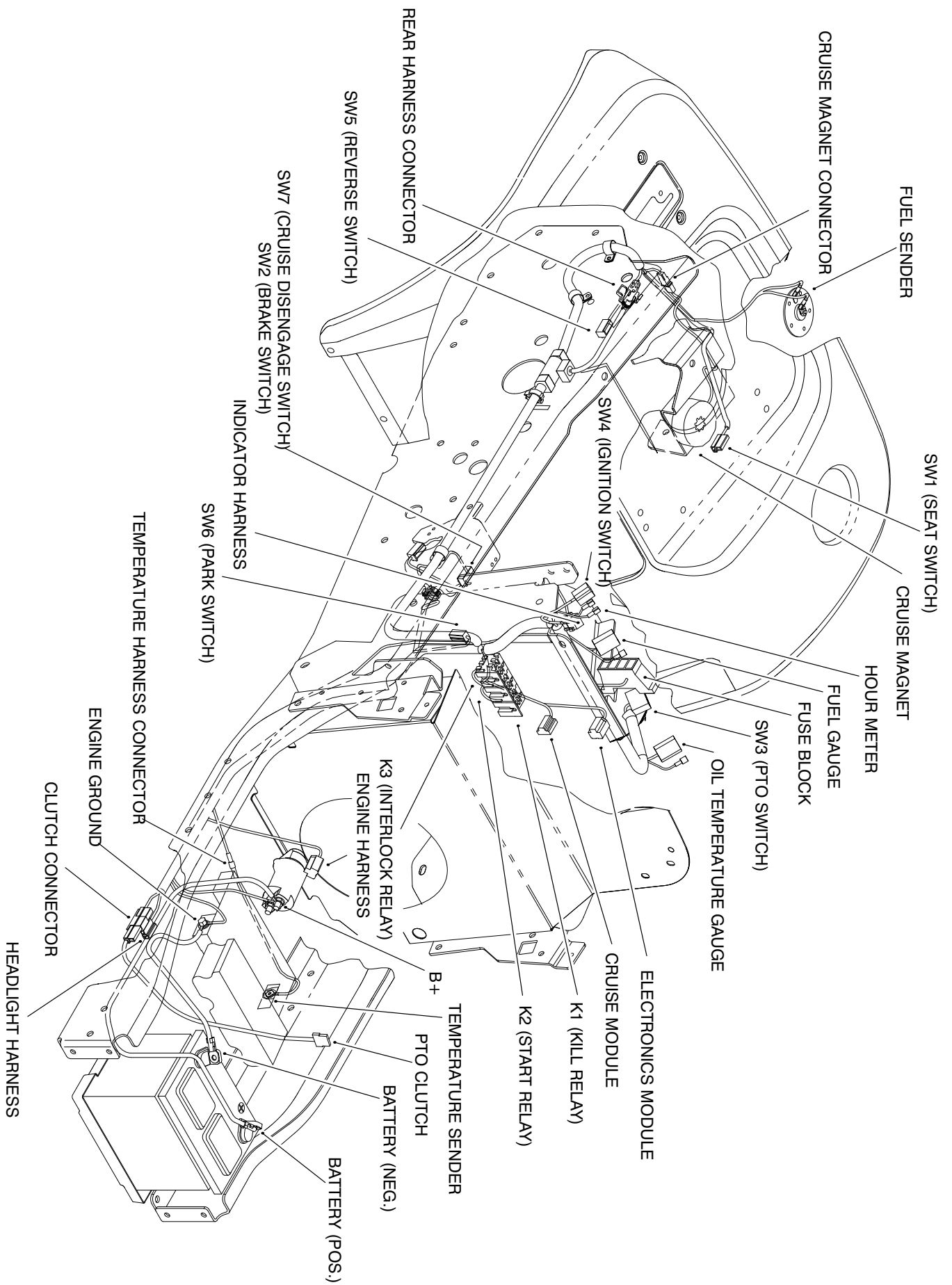
Sheet No.:46

22 HP Electrical Assembly

Ref. No.	Part No.	Qty.	Description
1	99–3723	1	Wire Harness–20/22 HP
2	94–1867	1	Battery
3	95–7854	1	Cable – Battery,Red 27”
4	95–7873	1	Cable – Battery
5	98–7249	3	Relay–Spdt
6	12–5450	4	Screw–Special Vex
7	614249	2	Strap–Tie Sm
8	32103–22	2	Nut–Wing
9	106948	1	Tray–Battery
10	95–4042	2	Hook–Battery Retain
11	98–5056	1	Assembly – Strap w/Decal
11:1	93–1265	1	Decal – Hot Surface
12	94–4496	2	Screw–Pan Hd
13	95–4044	1	Shield – Battery
14	33104–020	1	Screw–HHF
15	3253–4	1	Washer–Lock/Sp
16	98–1492	1	Wire Harness – Kohler
17	321–5	2	Screw–HH
18	98–5072	1	Tie–Cable
19	3256–22	2	Washer–Flat
20	3296–42	2	Nut–Lock Ni
	109102	1	Fuse–25 Amp

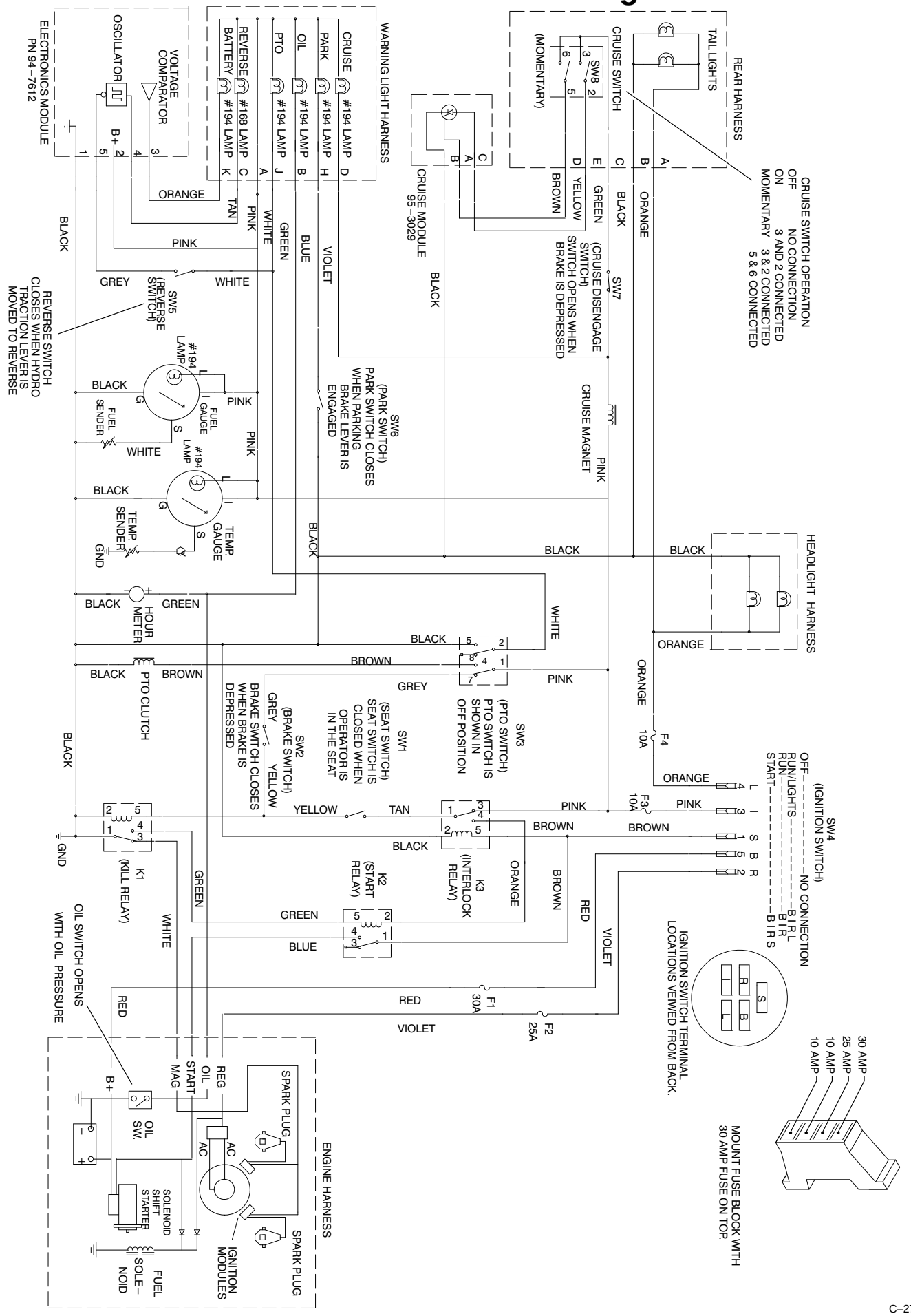
Ref. No.	Part No.	Qty.	Description
	218–578	2	Fuse–10 Amp Blade Type
	Nn10277	1	Fuse – 30 Ampere

Wiring Harness Routing

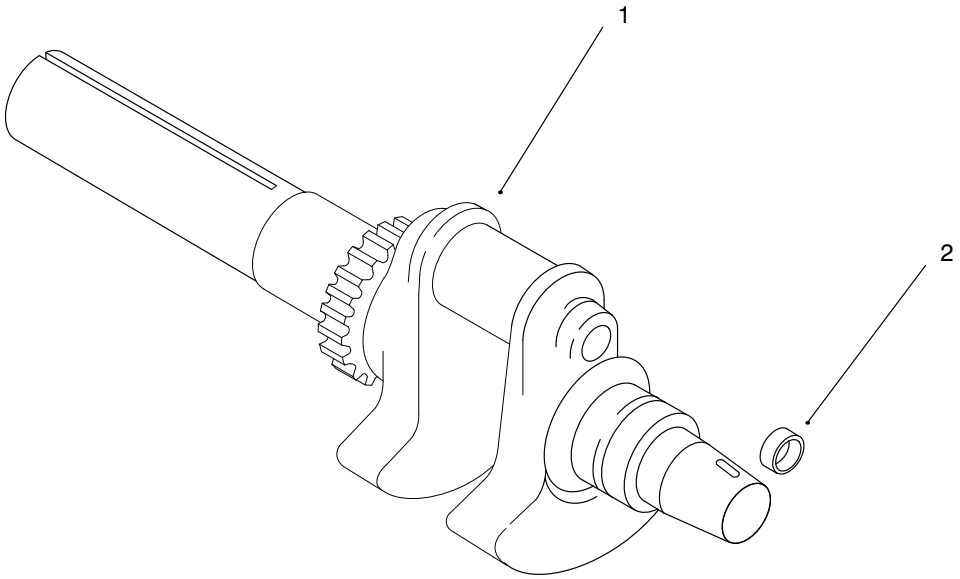


C–2725

Electrical Schematic Diagram



C–2726

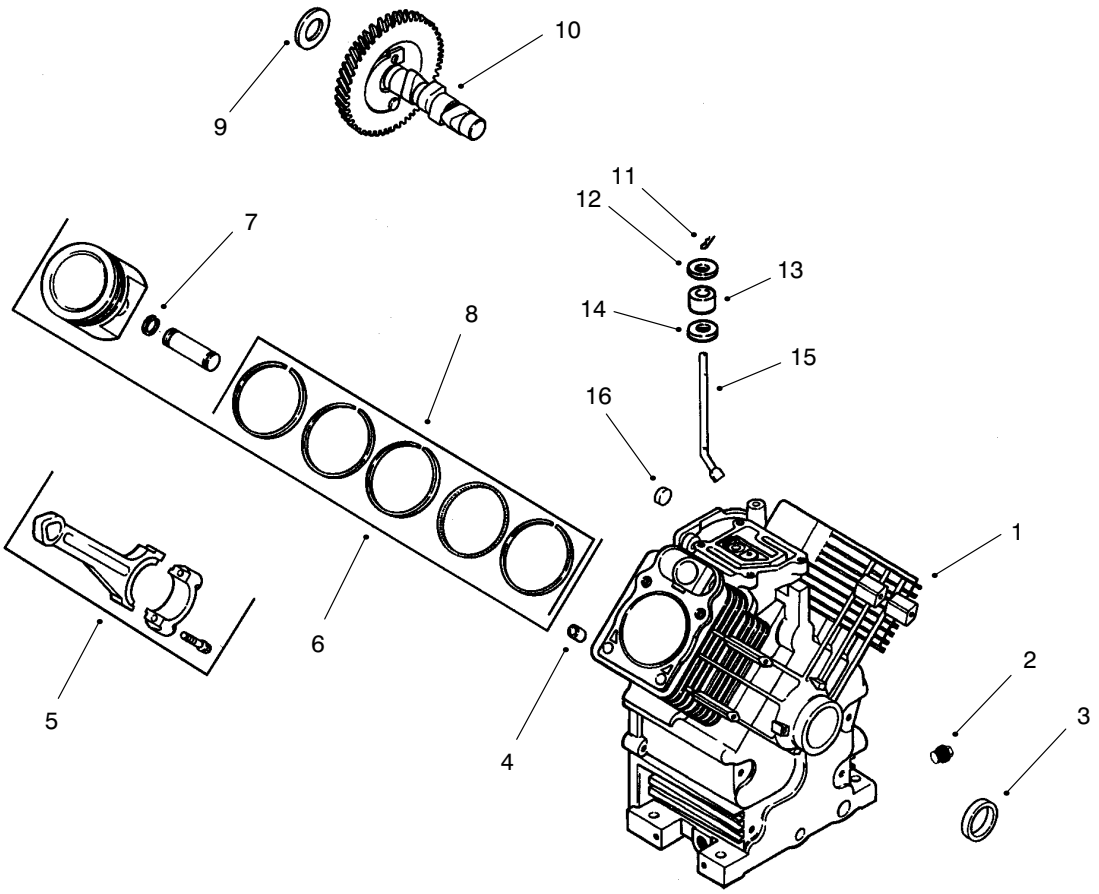


GROUP 1 − CRANKSHAFT

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

Ref. No.	Part No.	Description	No. Used

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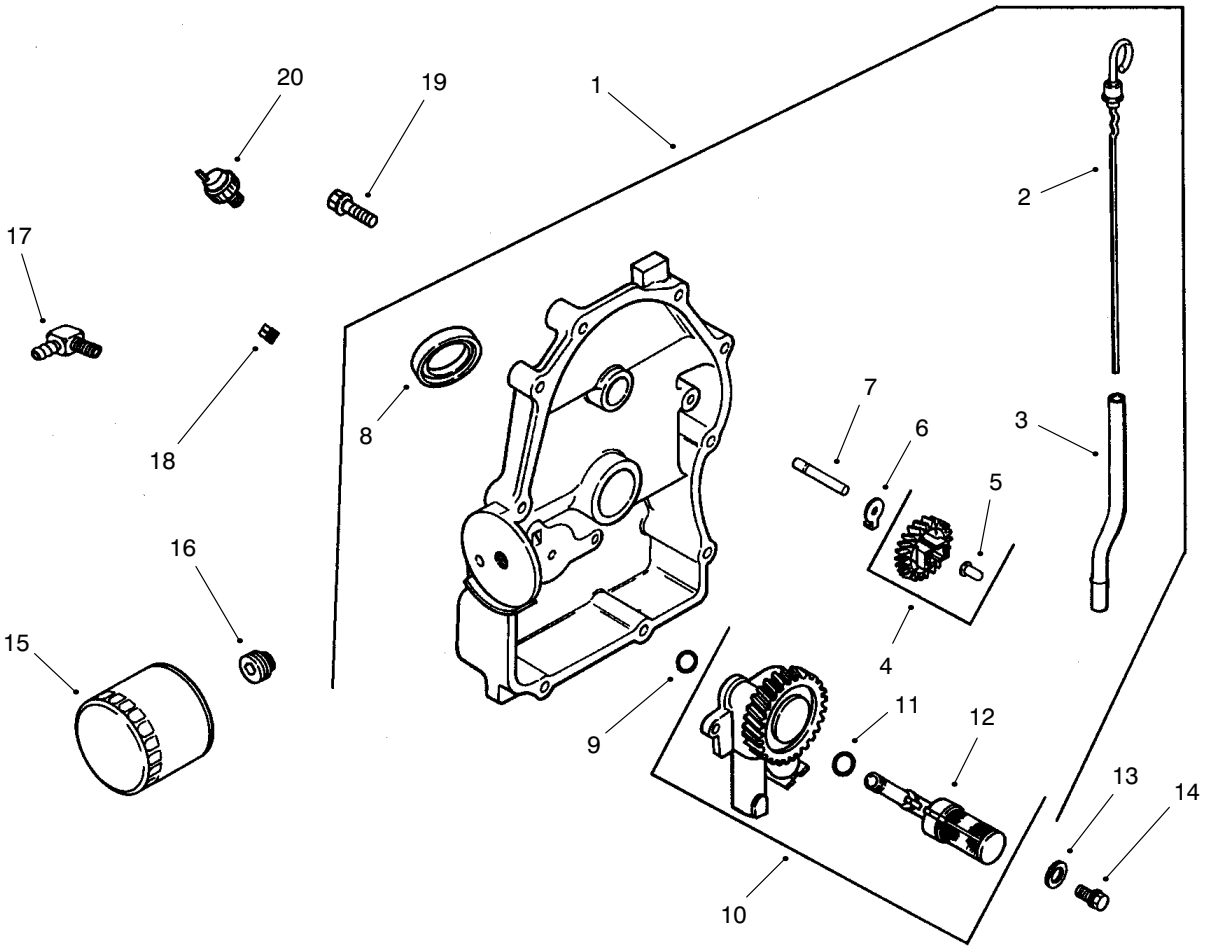


GROUP 2 − CRANKCASE

Ref. No.	Part No.	Description	No. Used
1	X−75−10	Cylinder Block	1
		(Use Miniblock 24 782 01)	1
2	24 032 01	Plug, hex. head	2
3	12 380 17	Seal, oil front	1
4		Pin, dowel locating	6
5	24 067 09	Connecting Rod (Std.)	2
	24 067 10	Connecting Rod (.25)	2
6	24 874 01	Piston w/Ring Set (Std.)	2
	24 874 02	Piston w/Ring Set (.25)	2
	24 874 03	Piston w/Ring Set (.50)	2
7	24 018 01	Retainer, piston pin	4
8	24 108 01	Ring Set (Std.)	2
	24 108 02	Ring Set (.25)	2
	24 108 03	Ring Set (.50)	2

Ref. No.	Part No.	Description	No. Used
9	12 422 09	Shim, camshaft − red	A/R
	12 422 13	Shim, camshaft − black	A/R
	12 422 07	Shim, camshaft − white	A/R
	12 422 08	Shim, camshaft − blue	A/R
	12 422 10	Shim, camshaft − yellow	A/R
	12 422 11	Shim, camshaft − green	A/R
	12 422 12	Shim, camshaft − gray	A/R
10	24 012 05	Camshaft	1
11	12 380 04	Pin, hitch	1
12	M−0631005	Washer, flat	1
13	12 032 01	Seal, governor cross shaft	1
14	X−25−102	Washer, plain	1
15	24 144 01	Shaft, governor cross	1
16	52 139 09	Plug, cup	1

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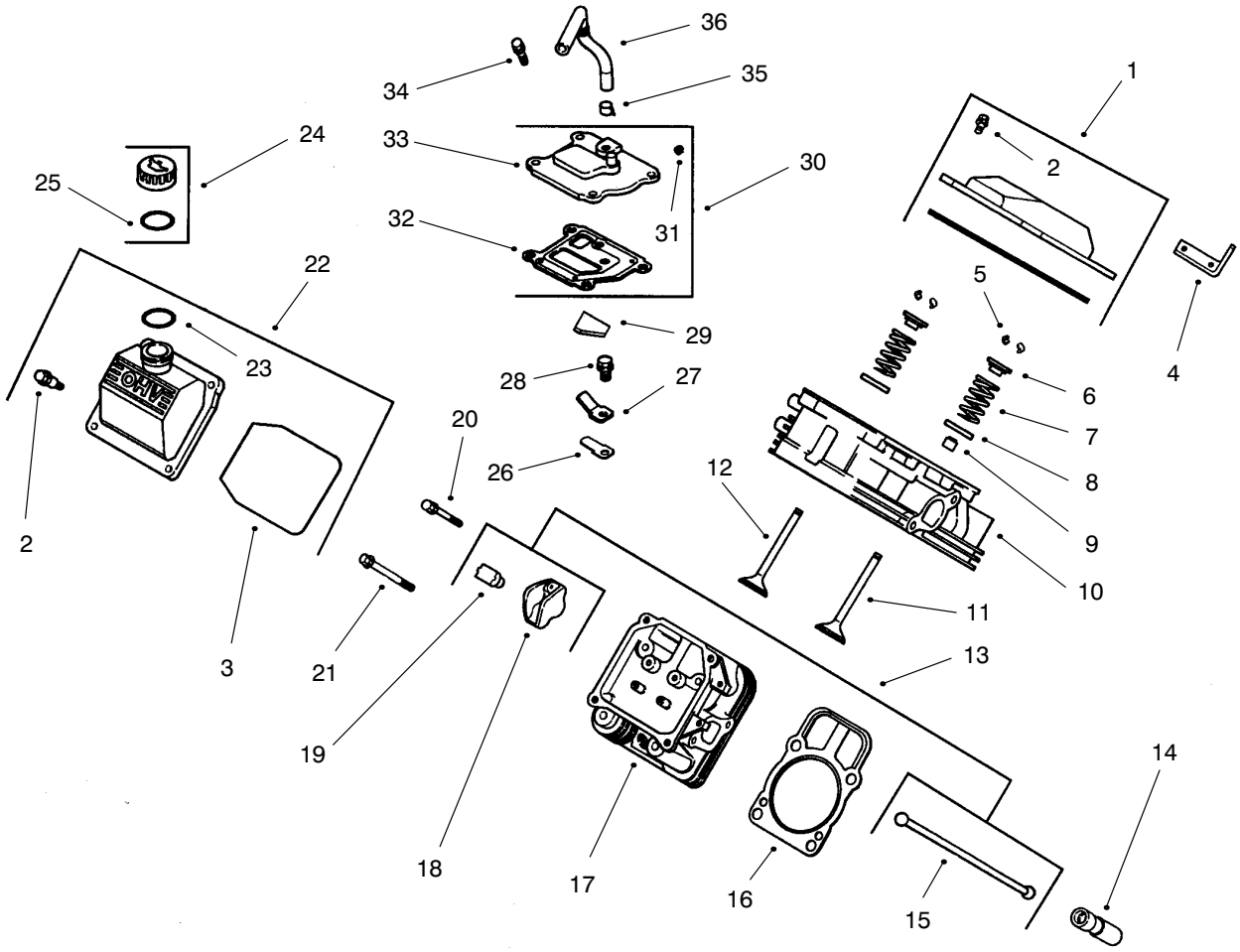


GROUP 3 − OIL PAN/LUBRICATION

Ref. No.	Part No.	Description	No. Used
1	54 009 01	Plate, closure assembly (Includes 2−12)	1
2	24 038 06	Dipstick	1
3	24 123 08	Tube, dipstick	1
4	24 043 12	Kit, governor gear (Includes 5)	1
5	12 380 01	Pin, governor regulating	1
6	52 448 02	Tab, locking	1
7	12 144 02	Shaft, governor gear	1
8	52 032 08	Seal, oil (PTO end)	1
9	24 153 08	O−Ring	1
10	24 393 10	Oil pump assembly (Includes 11,12)	1
11	24 153 01	O−Ring, oil pick−up	1

Ref. No.	Part No.	Description	No. Used
12	24 381 04	Pick−up, oil	1
13	M−0631005	Washer, plain 6 mm	2
14	M−0645025	Screw, hex. flange	2
15	12 050 01	Filter, oil	1
16	24 136 01	Nipple, oil filter	1
17	25 155 02	Connector	1
18	X−75−23	Plug, pipe	1
19	24 086 16	Screw, hex. flange	10
20	52 099 06	Switch, pressure	1
		Not Illustrated	
	25 113 05	Decal, oil sentry	1

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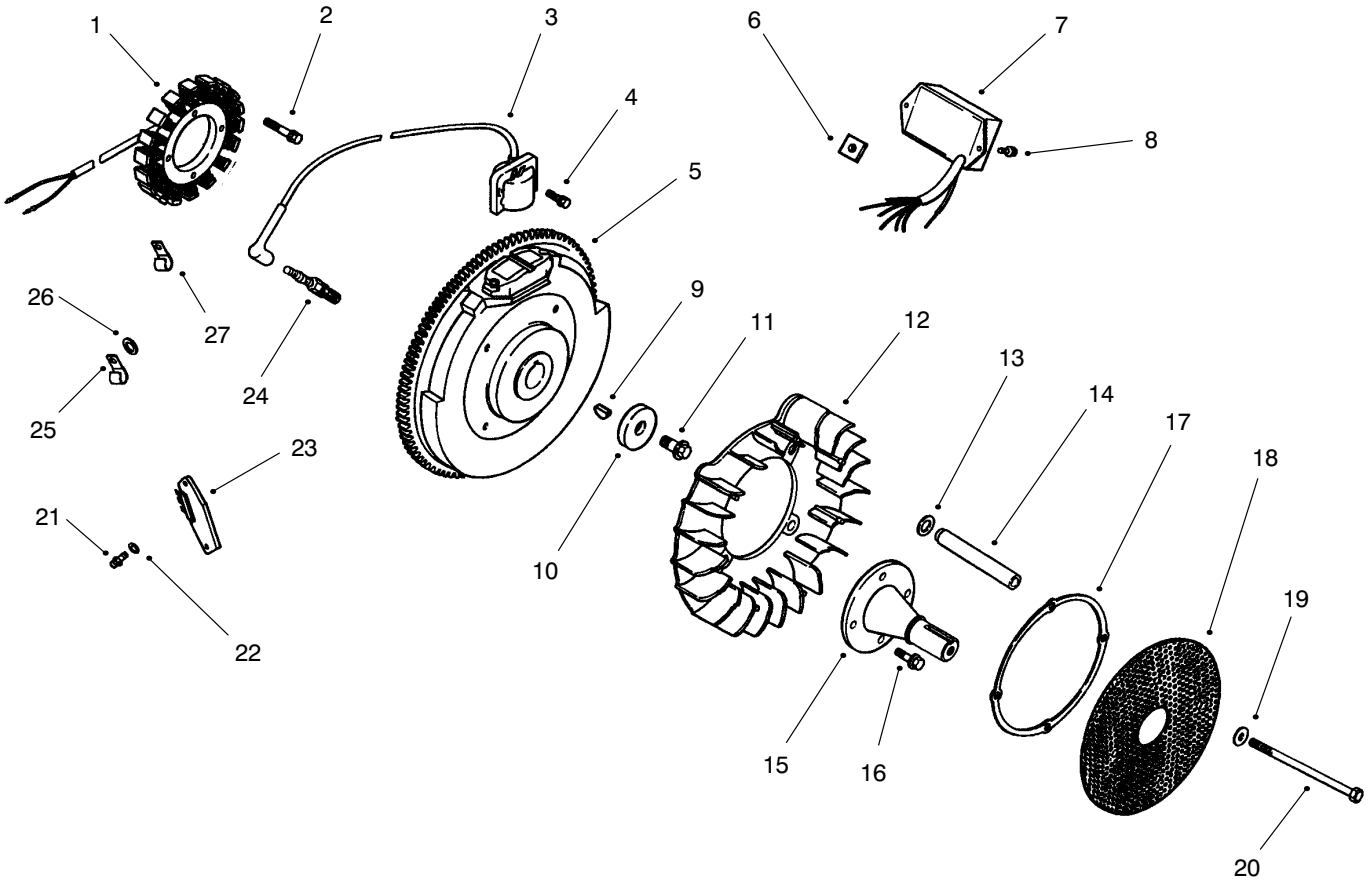


GROUP 4 − HEAD/VALVE/BREATHER

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

Ref. No.	Part No.	Description	No. Used
18	25 186 01	Arm, rocker	4
19	24 599 01	Pivot, rocker arm	4
20	M−0640034	Screw, hex. flange	4
21	12 086 16	Screw, hex. flange	8
22	24 755 75	Kit, valve cover − oil fill (Includes 2,3,23)	1
23	24 153 09	O−Ring	1
24	25 755 13	Kit, oil fill cap (Includes 25)	1
25	12 153 03	O−Ring, oil fill cap	1
26	24 402 03	Reed, breather	1
27	12 018 01	Retainer, breather reed	1
28	M−0545010	Screw, hex. flange	1
29	24 050 01	Filter, breather	1
30	24 033 01	Kit, breather (Includes 31−33)	1
31	X−75−23	Plug, allen head pipe	1
32	24 041 23	Gasket, breather	1
33	24 096 02	Cover, breather	1
34	M−0645020	Screw, hex. flange	4
35	X−426−9	Clamp, breather	1
36	24 326 06	Hose, breather	1

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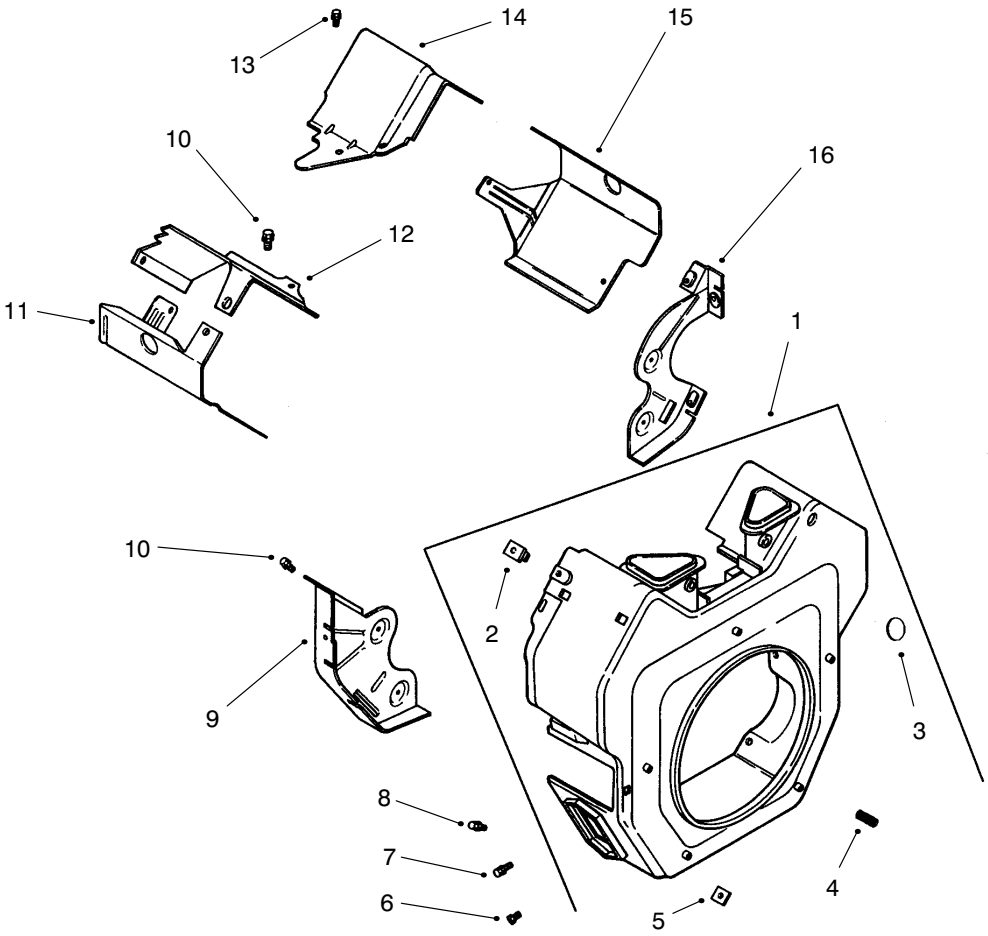


GROUP 5 − IGNITION/ELECTRICAL

Ref. No.	Part No.	Description	No. Used
1	54 755 09	Kit, 15 amp stator (Incl. 24 126 71 bracket)	1
2	M−0548025	Screw, hex. cap	2
3	24 584 03	Module, ignition	2
4	M−0561025	Screw, hex. socket hd	4
5	24 025 02	Flywheel	1
6	24 100 02	Nut, plastic	2
7	24 584 09	Module, speed advance	1
8	24 086 41	Screw	2
9	X−42−15	Key	1
10	12 468 03	Washer, plain	1
11	12 086 14	Screw, hex. flange	1
12	24 157 03	Fan	1
13	24 468 11	Washer, spring	4
14	24 112 14	Spacer, grass screen	4
15	24 144 25	Shaft, front drive	1
16	M−0839025	Screw, hex. flange	4
17	24 141 06	Ring, support	1
18	24 162 22	Screen, grass	1
19	X−25−53	Washer, plain	4
20	M−0603100	Screw, hex. cap	4
21	24 086 18	Screw, phillips hd.	2
22	X−25−92	Washer, plain	2
23	25 403 03	Rectifier−regulator	1
24	12 132 02	Spark Plug	2

Ref. No.	Part No.	Description	No. Used
25	47 154 01	Clip, cable	1
26	X−25−63	Washer, plain	1
27	48 154 02	Clip, cable	1
		Not Illustrated	
	25 518 28	Lead, black, (4” − 18 gauge − insulated grip barrel eyelet terminals)	1
	24 176 42	Harness, wiring	1
	24 176 49	Harness, wiring (Includes 3 connectors)	1
	236602	Connector	1
	15 155 01	Connector	1
	52 155 04	Connector	1
	24 126 71	Bracket, stator wire	1
	25 086 43	Screw, set (adjusts grass scraper blade)	1
	X−22−11	Washer, lock(for ground screw & wire)	1
	41 155 03	Connector	1
		Connector	1
	X−67−3	Screw (mounts 5 wire connector to baffle)	2
	X−25−63	Washer, plain	1

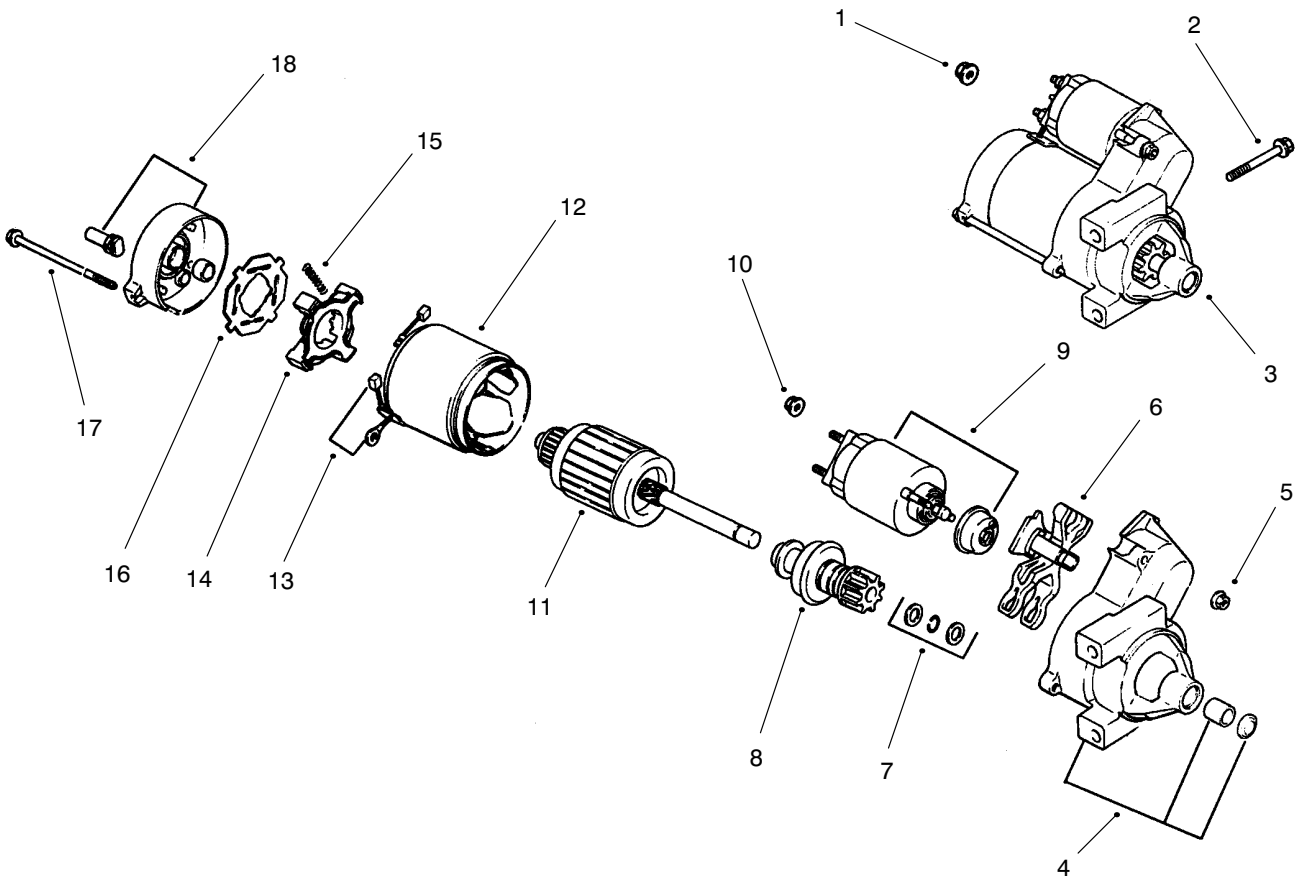
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GROUP 6 − BLOWER HOUSING & BAFFLES

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

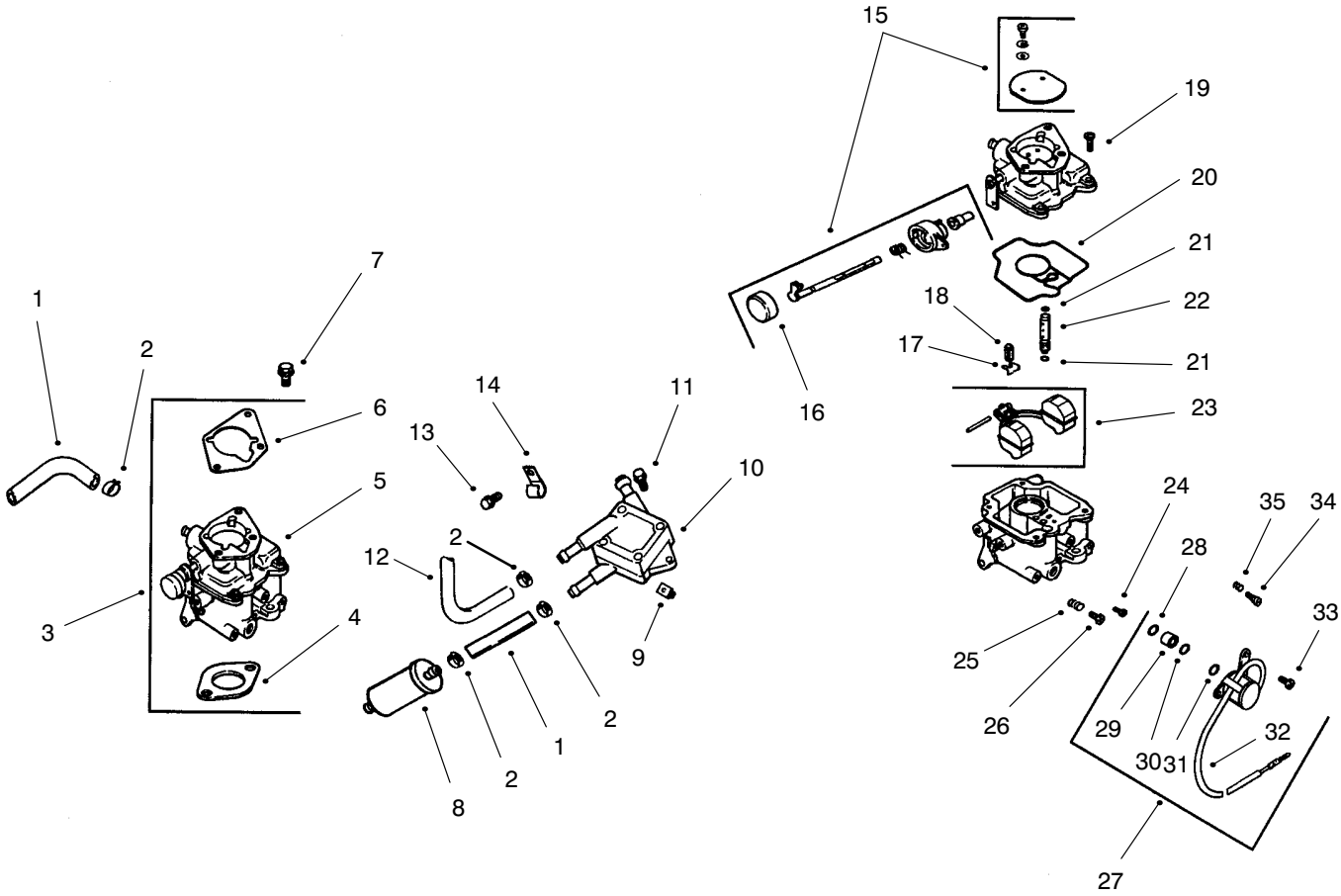
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GROUP 7 − STARTING SYSTEM

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

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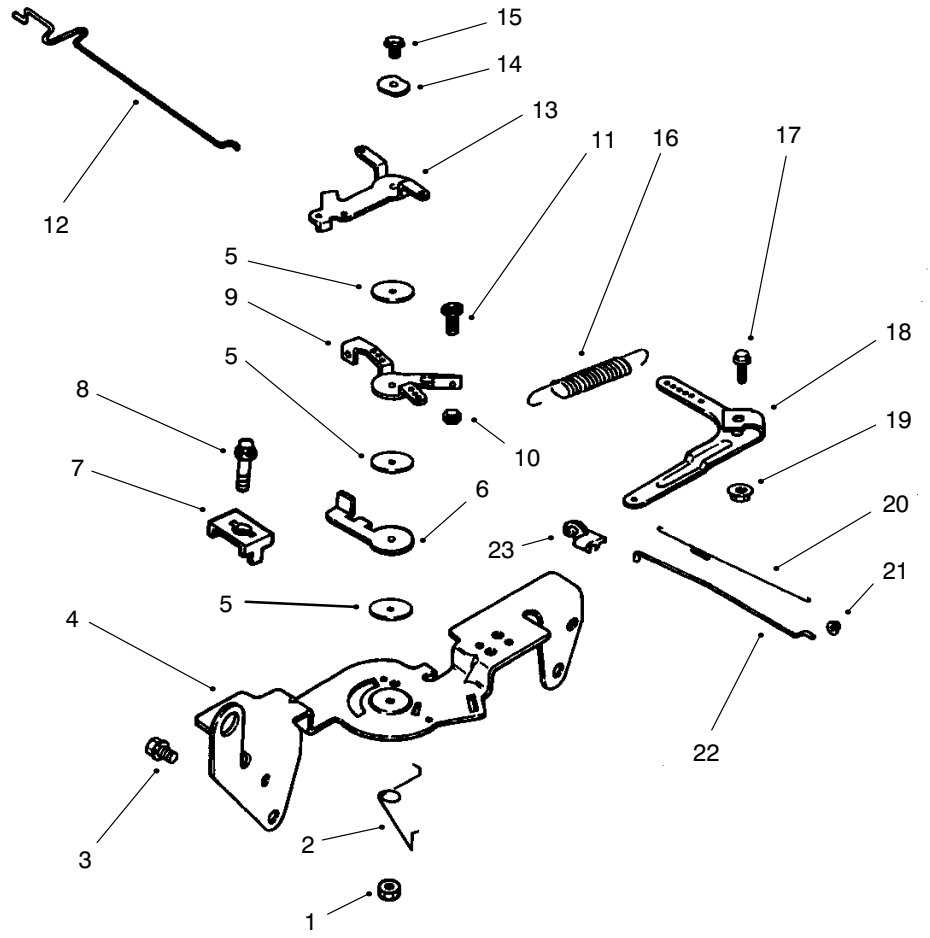


GROUP 8 − FUEL SYSTEM

Ref. No.	Part No.	Description	No. Used
1	25 353 10	Line, fuel − 9”	2
2	X−426−9	Clamp, hose	6
3	24 853 32	Kit, carburetor w/gasket (Includes 4−6)	1
4	24 041 06	Gasket, air cleaner base	1
5	24 053 32	Carburetor assembly (Includes 15−35) (For information only not available separately)	1
6	24 041 17	Gasket, carburetor	1
7	M−0651030	Screw, hex. flange	2
8	24 050 02	Filter, fuel	1
9	24 100 01	Nut, plastic	2
10	24 393 04	Pump, fuel − pulse	1
11	24 086 12	Screw, hex. cap	2
12	24 353 04	Line, fuel 17”	1
13	M−0650012	Screw, hex. flange	1
14	47 154 01	Clip, cable	1
15	24 757 07	Kit, choke repair (Includes 16)	1
16	24 173 02	Cap, choke lever	1
17	24 154 01	Clip, inlet needle valve	1

Ref. No.	Part No.	Description	No. Used
18	24 462 01	Valve, inlet needle	1
19	24 086 09	Screw, carburetor body	4
20	24 041 09	Gasket, carburetor body	1
21	24 153 02	O−Ring, slow jet	2
22	24 337 01	Jet, slow	1
23	24 757 02	Kit, float repair	1
24	24 337 02	Jet, main	1
25	24 089 10	Spring, idle adjust screw	1
26	24 086 10	Screw, idle adjusting	1
27	24 757 01	Kit, solenoid (Includes 28−33)	1
28	24 153 06	O−Ring	1
29	24 521 01	Seat, solenoid	1
30	24 153 05	O−Ring	1
31	24 153 04	O−Ring	1
32	24 435 01	Solenoid	1
33	24 086 07	Screw, solenoid	2
34	24 368 01	Needle, idle	1
35	24 089 11	Spring, idle needle	1
		Not Illustrated	
	24 757 03	Kit, carburetor repair	1

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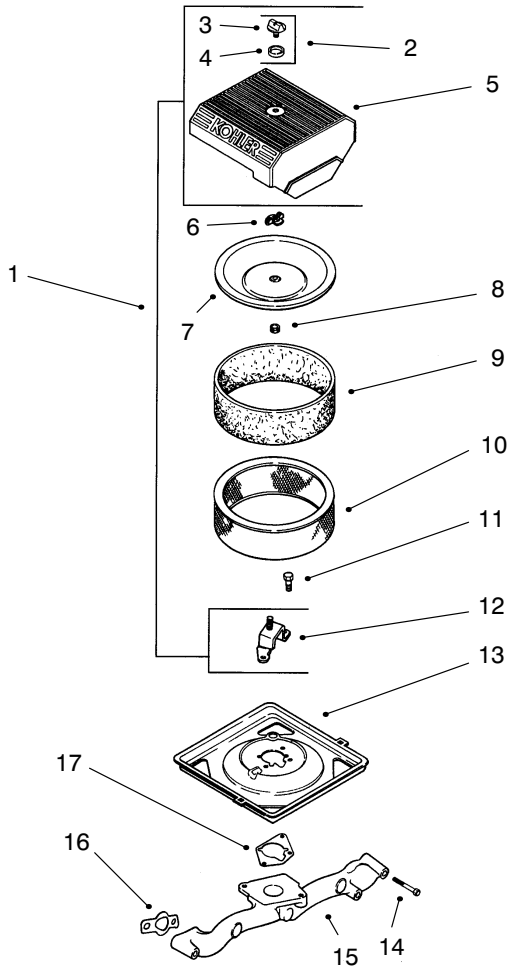


GROUP 9 − ENGINE CONTROLS

Ref. No.	Part No.	Description	No. Used
1	M−0547050	Nut, hex. lock	1
2	24 089 03	Spring, choke return	1
3	M−0645016	Screw, hex. flange	4
4	24 126 56	Bracket, control	1
5	24 468 01	Washer, plain	3
6	24 090 07	Lever, throttle actuator	1
7	12 237 01	Clamp, cable	2
8	M−0545016	Screw, hex. flange	2
9	24 090 03	Lever, throttle control	1
10	M−0446030	Nut, hex	1
11	M−0401030	Screw, hex. cap	1
12	24 079 02	Linkage, choke	1

Ref. No.	Part No.	Description	No. Used
13	24 090 05	Lever, choke	1
14	41 468 03	Washer, spring	1
15	M−0545020	Screw, hex. flange	1
16	24 089 15	Spring, governor	1
17	SM−0642025	Screw, hex. flange	1
18	24 090 14	Lever, governor	1
19	M−0641060	Nut, hex. flange	1
20	24 089 01	Spring, linkage	1
21	25 158 08	Bushing, linkage retaining	1
22	24 079 01	Linkage, throttle	1
23	25 158 11	Bushing, linkage retaining	1

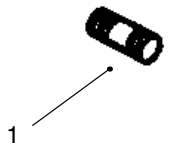
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GROUP 10 − AIR INTAKE

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

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Kohler Engine #CH22S−PS−66545



GROUP 11 − EXHAUST

Ref. No.	Part No.	Description	No. Used
1	25 072 04	Stud	4
	24 782 01	Miniblock	1

Ref. No.	Part No.	Description	No. Used
	24 755 03	Gasket Set	1

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Kohler Engine #CH22S−PS−66545

MAINTENANCE RECORD

Date								

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