FORM NO. 3321–968

TORO®

WHEEL HORSE®

523dxi Garden Tractor
523dxi EuroGarden Tractor

Model No. 73552 – 9900001 & Up
Model No. 73590 – 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.
42” Rear Discharge Mower (Model No. 73552 Only)	78353
42” Rear Discharge Low Cut Mower (Model No. 73590 Only)	78442
44” Side Discharge Mower (Model No. 73553 Only)	78357
44” Side Discharge Low Cut Mower (Model No. 73590 Only)	78444
48” Side Discharge Mower (Model No. 73552 Only)	78363
48” Side Discharge Low Cut Mower (Model No. 73590 Only)	78448
52” Side Discharge Mower (Model No. 73552 Only)	78370
52” Side Discharge Low Cut Mower (Model No. 73590 Only)	78452
60” Side Discharge Mower (Model No. 73552 Only)	78395
60” Side Discharge Low Cut Mower (Model No. 73590 Only)	78469
36” Tiller*	79375
50” Grader Blade*	79356
42” Single Stage Snowthrower**	79365
44” Two–Stage Snowthrower**	79366
48” Snow/Dozer Blade**	79355
Twin Bagger/Blower Kit (44” Cutting Unit) (Model No. 73552 Only)	78353
Twin Bagger/Blower Kit (48” Cutting Unit) (Model No. 73552 Only)	79310
Twin Bagger/Blower Kit (48” Cutting Unit) (Model No. 73590 Only)	79448
Recycler Kit (44” Cutting Unit)	86041
Recycler Kit (48” Cutting Unit)	79195
Recycler Kit (52” Cutting Unit)	79185
Rear Attach–A–Matic	98–8703
Clevis Hitch	94–7800

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Note: * Requires 98–8703
** Requires 81115

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.

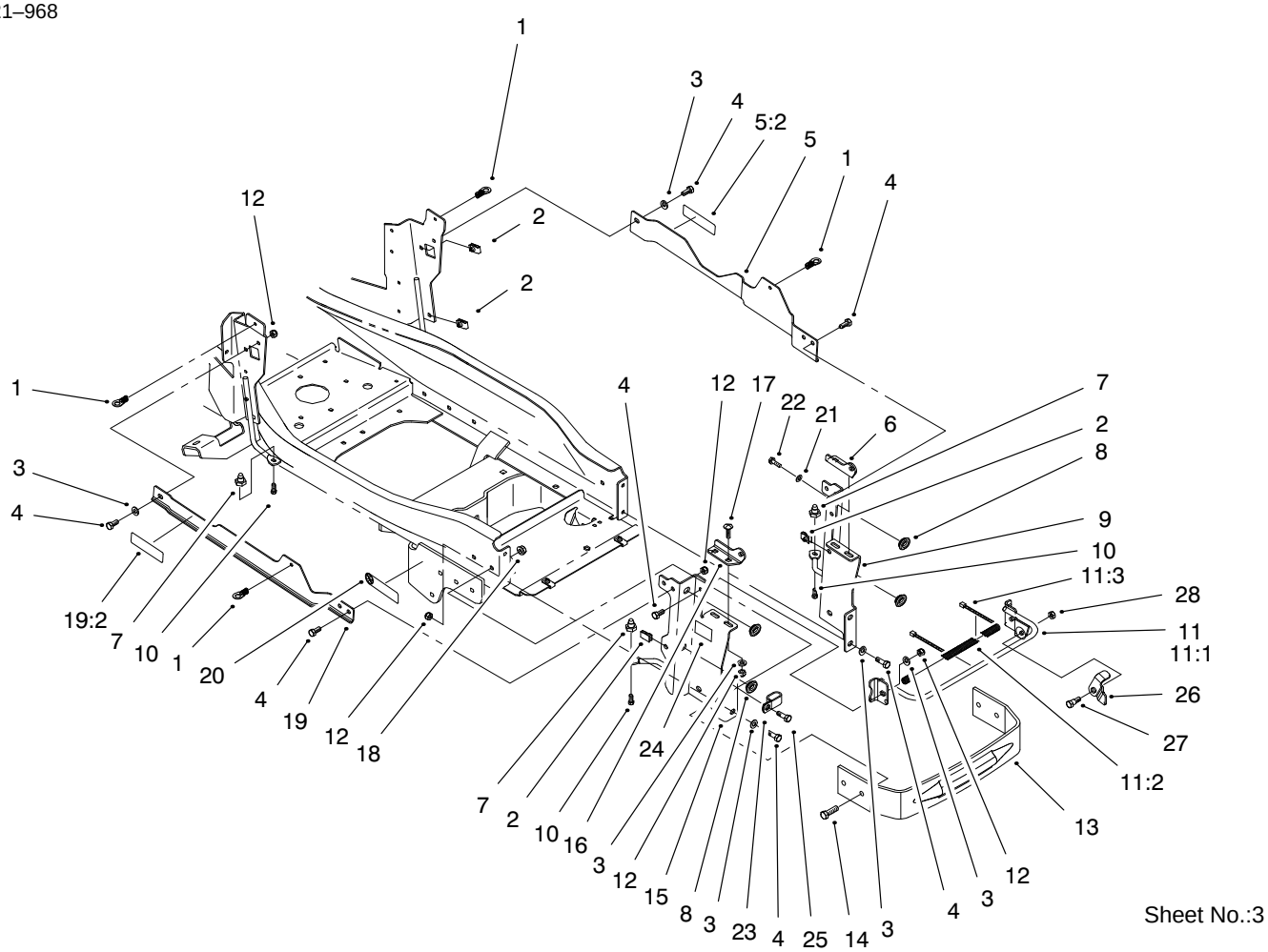
For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part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

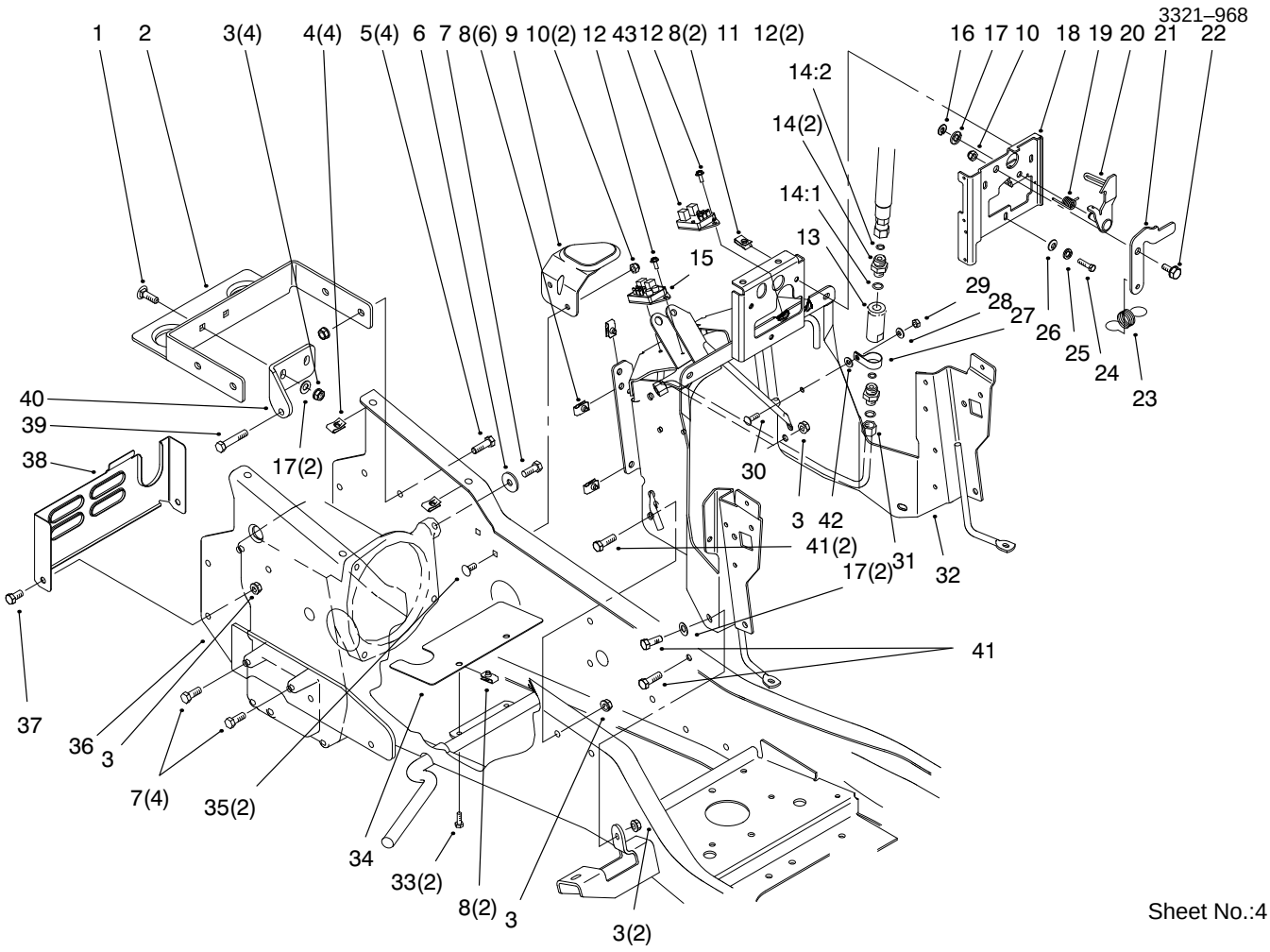
For example, the illustration callout 4 (2) indicates that two parts are used in that instance.



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	11	Screw–HH
5	98–5070	1	ASM – Support w/Decal (Only On: 73590)
5	98–5064	1	ASM – Support w/Decal (Only On: 73552)
5:2	98–5014	1	Decal – Warning (Only On: 73552)
5:2	98–5015	1	Decal – Warning (Only On: 73590)
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

Ref. No.	Part No.	Qty.	Description
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	99–5344	1	ASM Support/Decal (Only On: 73590)
19	99–5345	1	ASM–Support/Decal (Only On: 73552)
19:2	98–5015	1	Decal – Warning (Only On: 73590)
19:2	98–5014	1	Decal – Warning (Only On: 73552)
20	92–8747	2	Decal Attach–A–Matic
21	3256–61	2	Washer–Flat (Only On: 73590)
22	32144–42	2	Screw–Selftap (Only On: 73590)
23	98–1617	1	Clamp–Tube
24	93–8069	2	Decal–Hot Surface
25	322–5	1	Screw–HH
26	98–9015	1	Lever – Hood Prop
27	37–8771	1	Screw–Shoulder
28	3296–47	1	Nut–Lock Ni

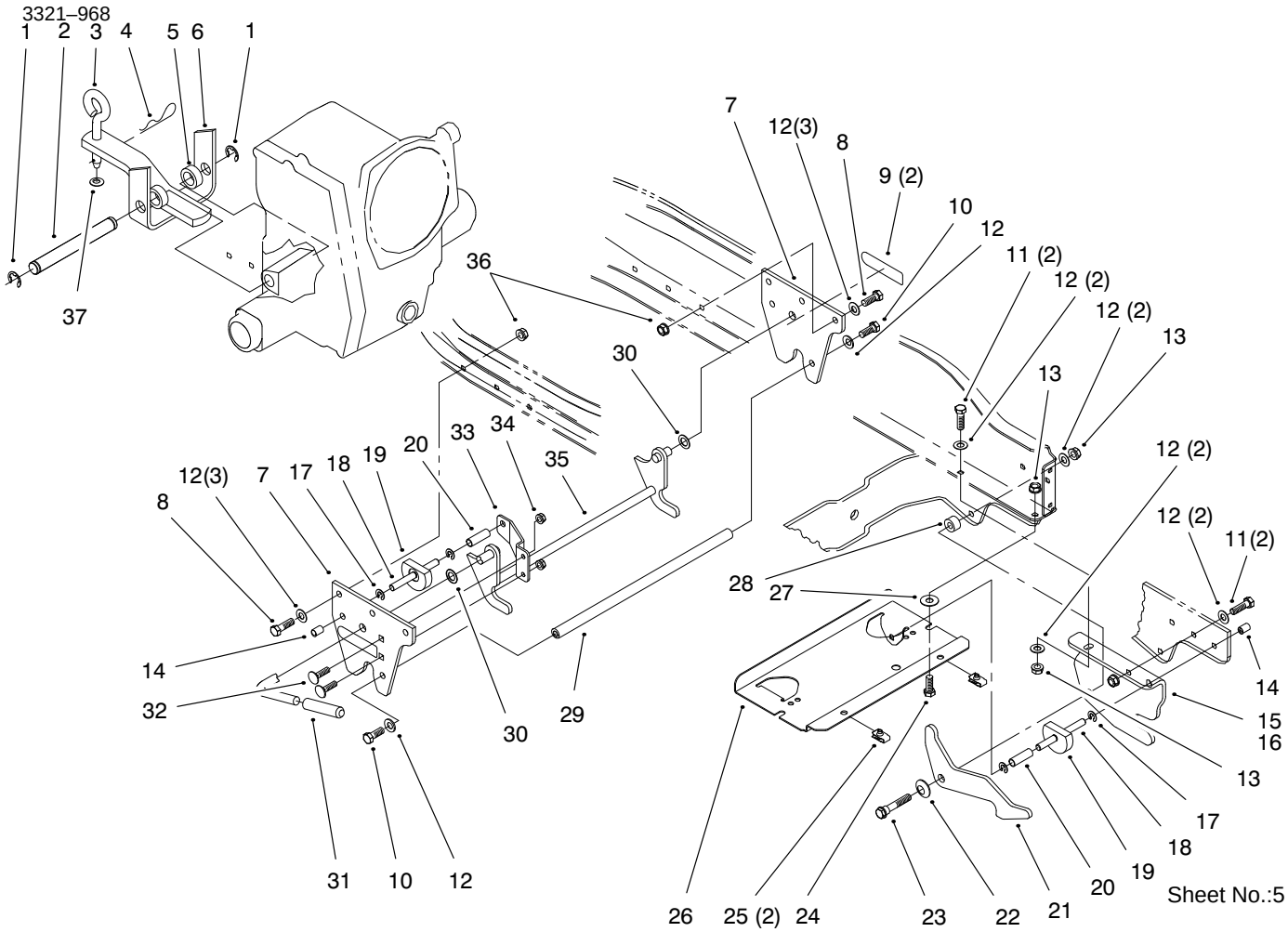


Sheet No.:4

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
11	99–1939	1	Module–Low Fuel
12	12–5450	4	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

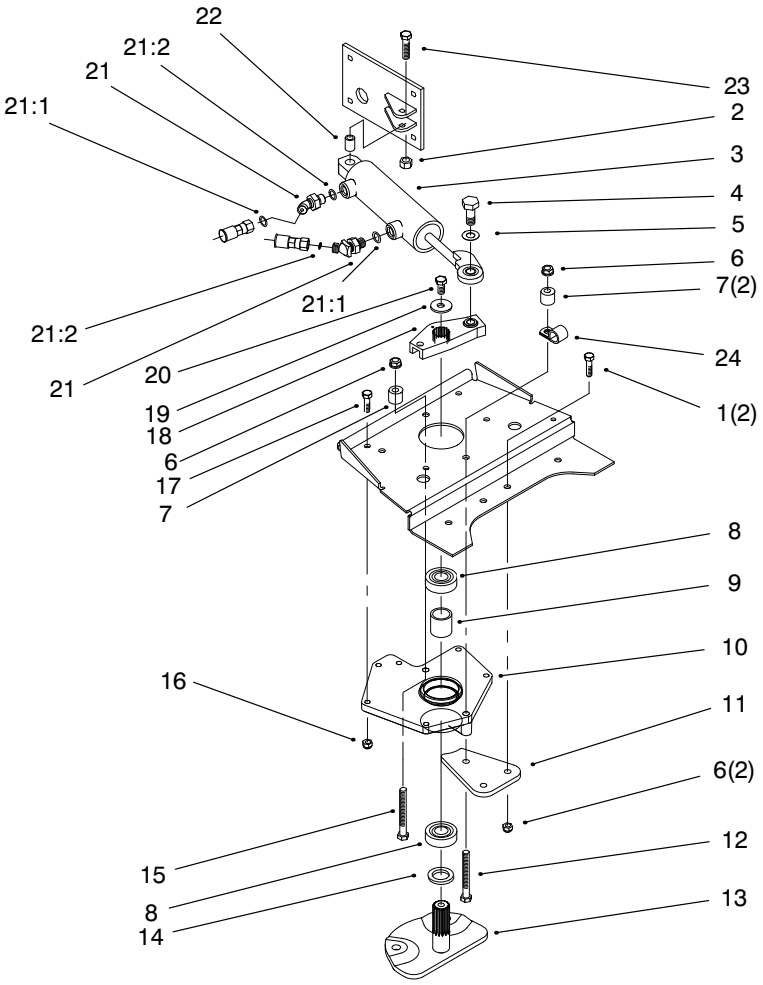
Ref. No.	Part No.	Qty.	Description
24	321–4	3	Screw–HH
25	3253–3	3	Washer–Lock/Sp
26	3256–22	3	Washer–Flat
27	2412–106	1	Clamp
28	3256–22	1	Washer–Flat
29	3296–42	1	Nut–Lock Ni
30	3229–1	1	Screw–CARR
31	94–7971	1	Tube – Hydraulic
32	99–4441–03	1	Tower ASM–Welded
33	321–4	2	Screw–HH
34	95–4246	1	Baffle – 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	3256–24	2	Washer–Flat
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

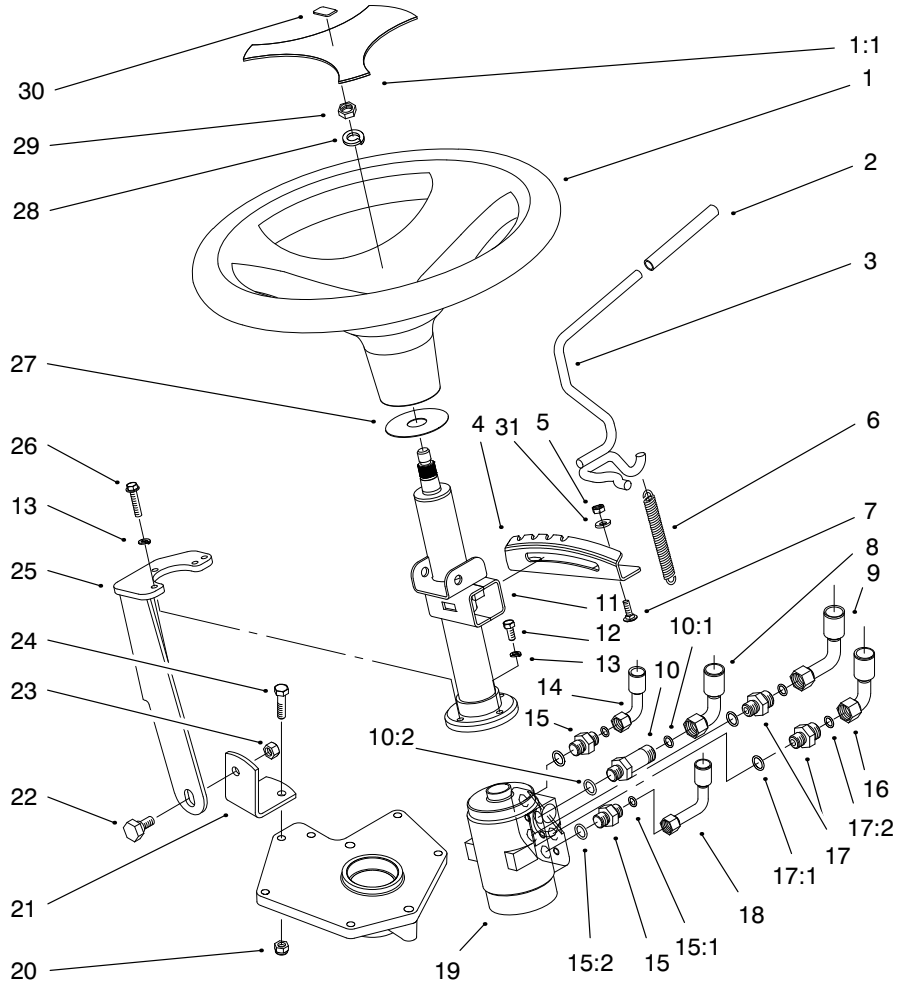


Sheet No.:8

Power Steering Lower 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
24	98–2358	1	Clamp – R

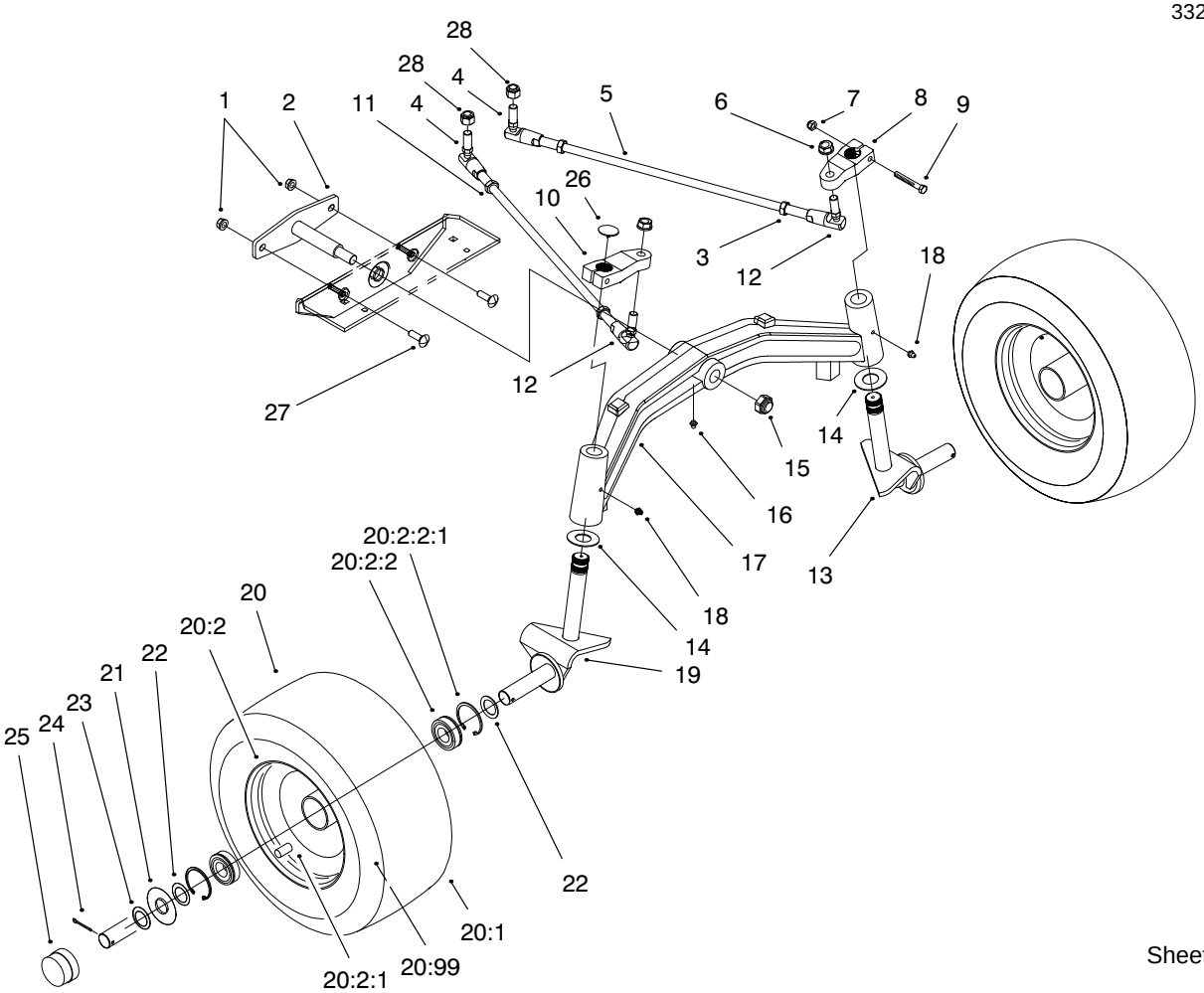


Sheet No.:9

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

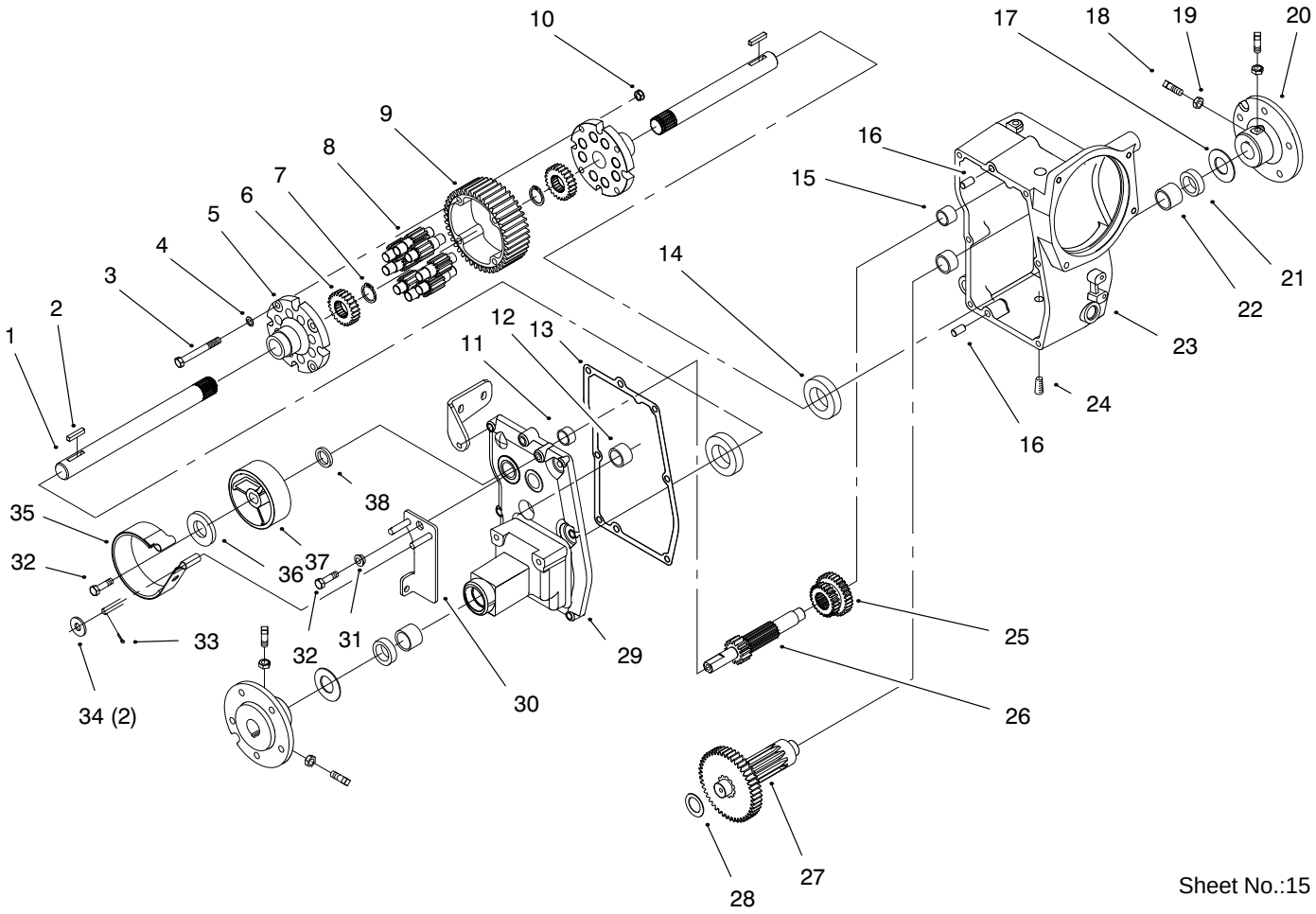


Sheet No.:14

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

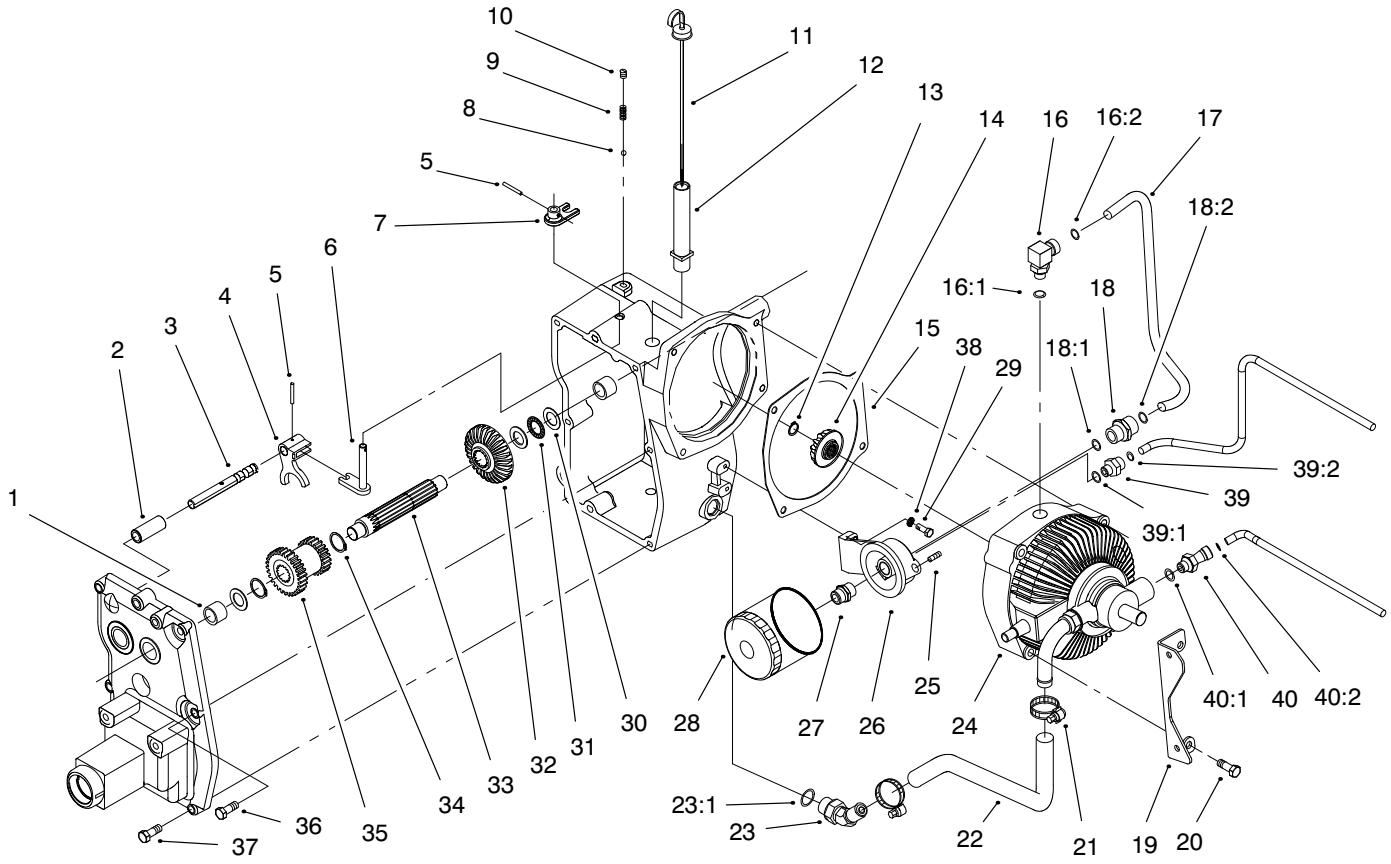


Sheet No.:15

Hydro Transaxle 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



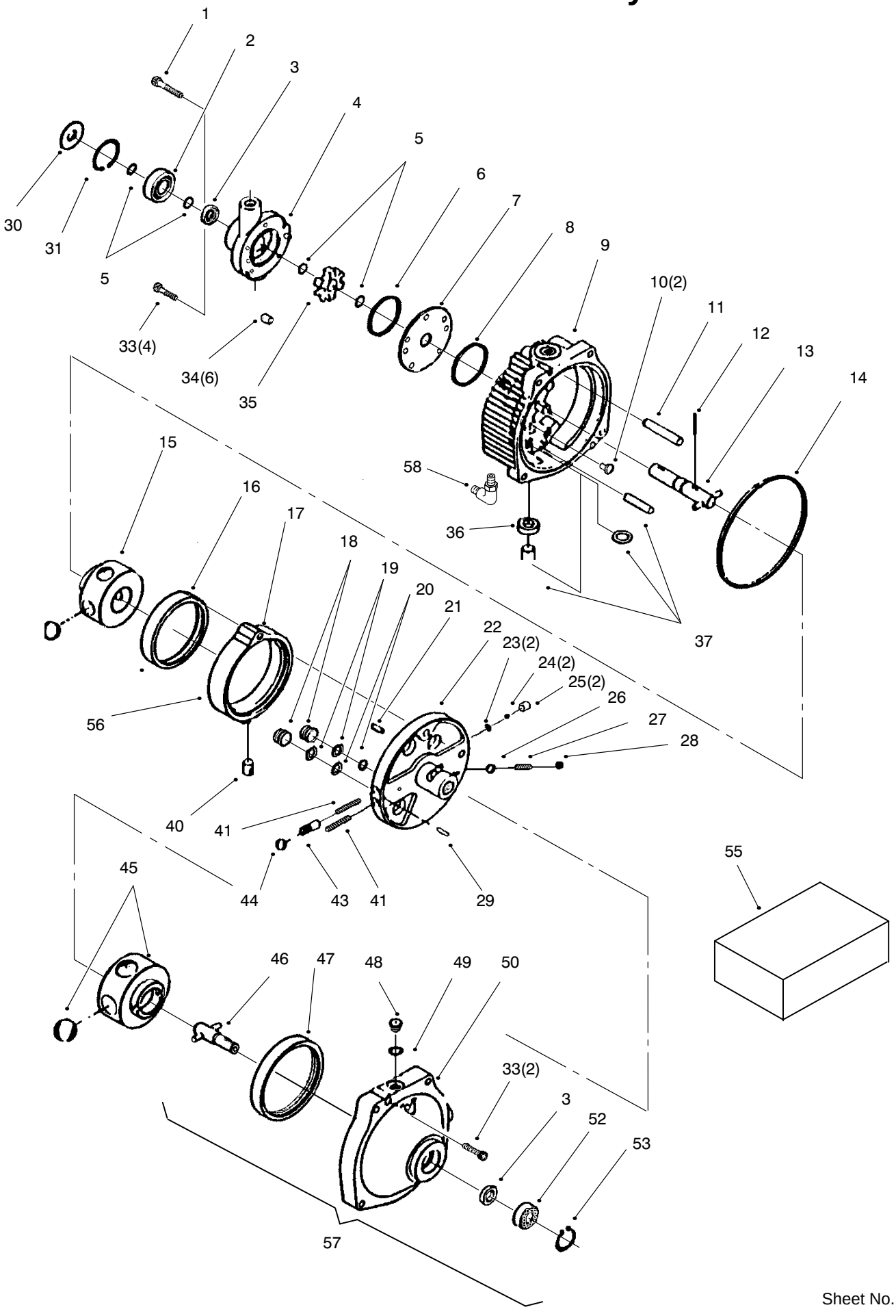
Sheet No.:16

Hydro Transaxle Assembly

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

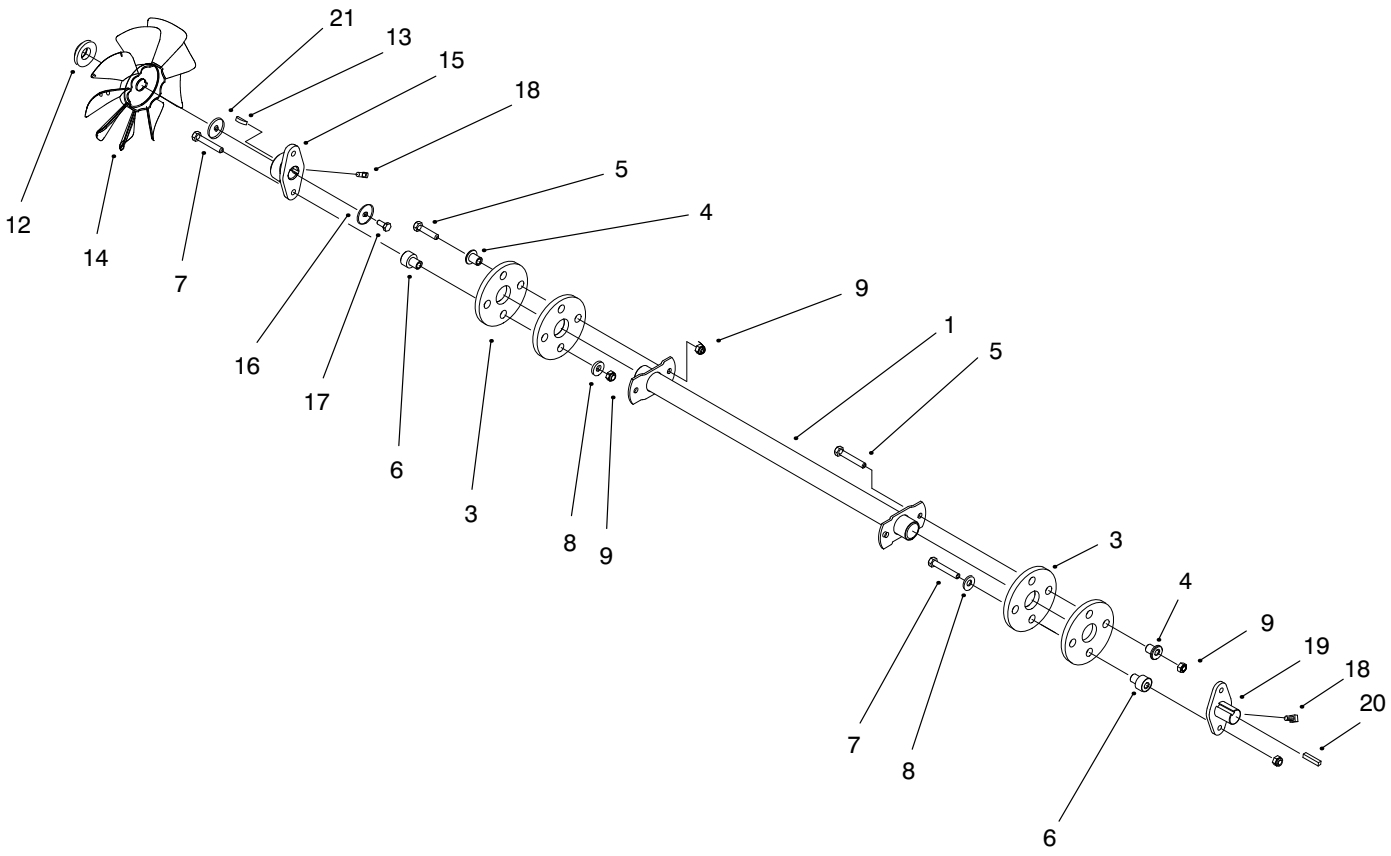


Sheet No.:300

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

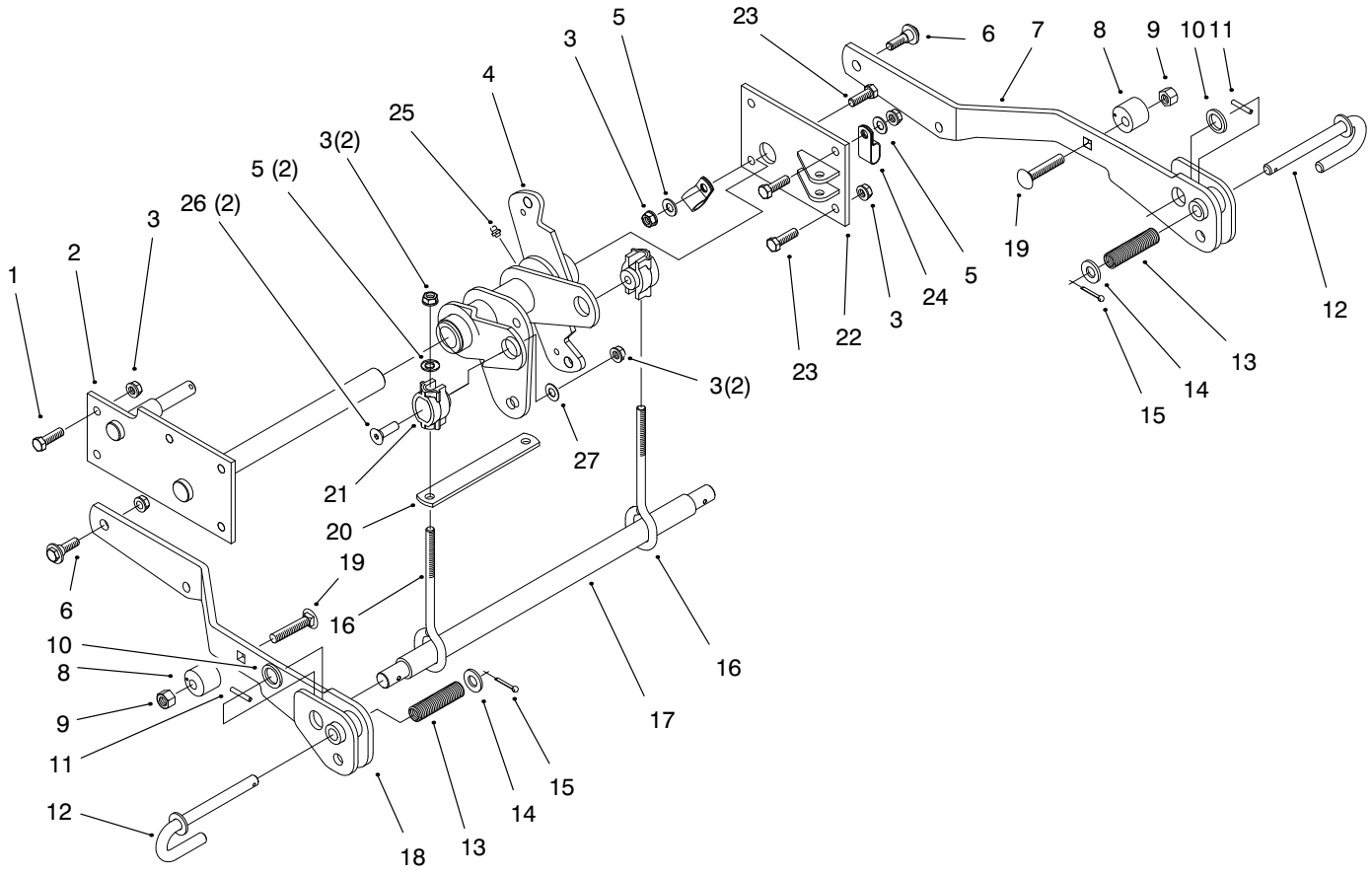


Sheet No.:17

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
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
19	94–7893	1	Wa – Pin Drive
20	98–9000	1	Key
21	99–2313	1	Washer – Fan

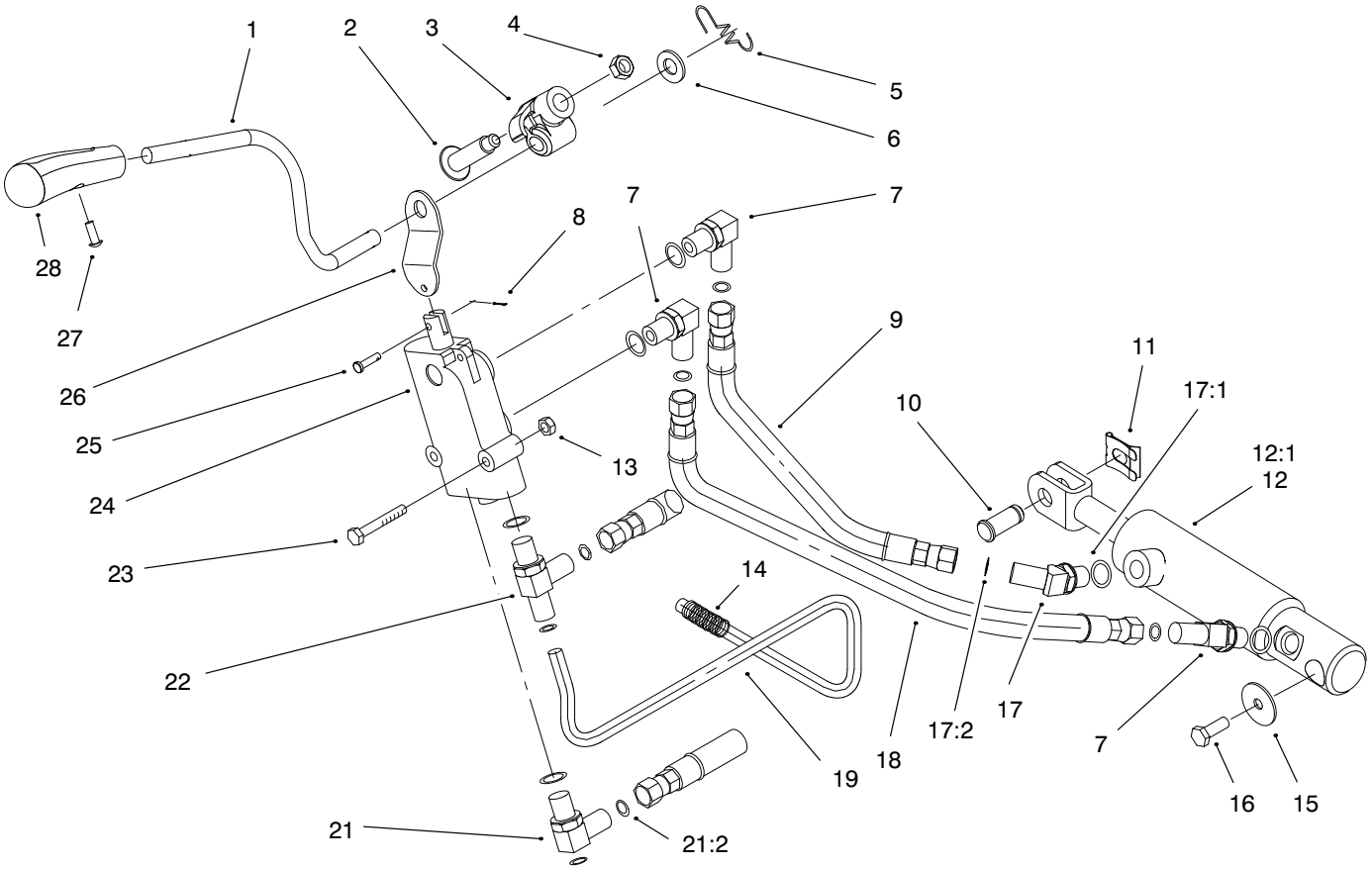
Ref. No.	Part No.	Qty.	Description



Sheet No.:18

Hydro Lift Lower Assembly

Ref. No.	Part No.	Qty.	Description
1	323–7	5	Screw–HH
2	94–2263–03	1	Wa–Deck Lift Support
3	3296–39	13	Nut–Lock Ni
4	99–4430	1	Bellcrank And Bushing ASM
5	3256–24	2	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

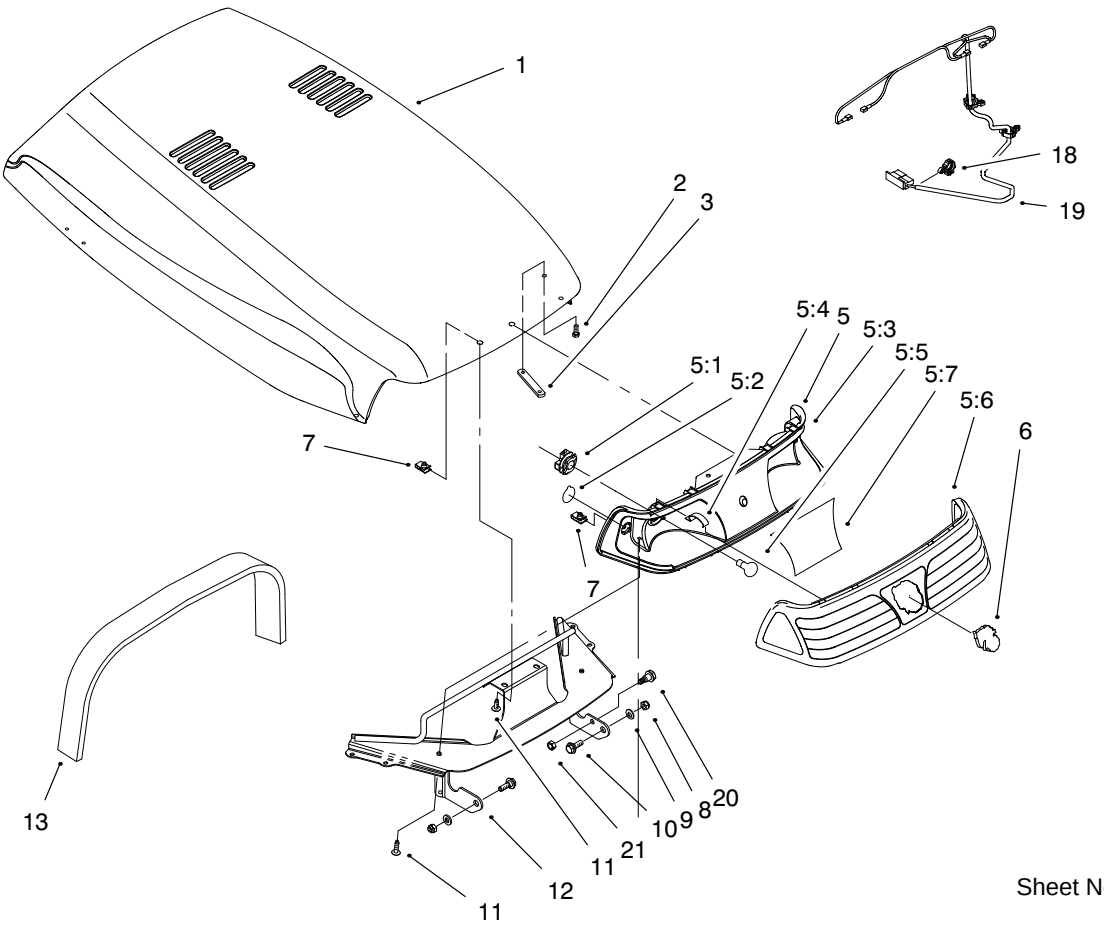


Sheet No.:19

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
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	95–4106	1	Knob – Lift (Int'l) (Only On: 73590)
28	94–2100	1	Knob – Lift (Only On: 73552)

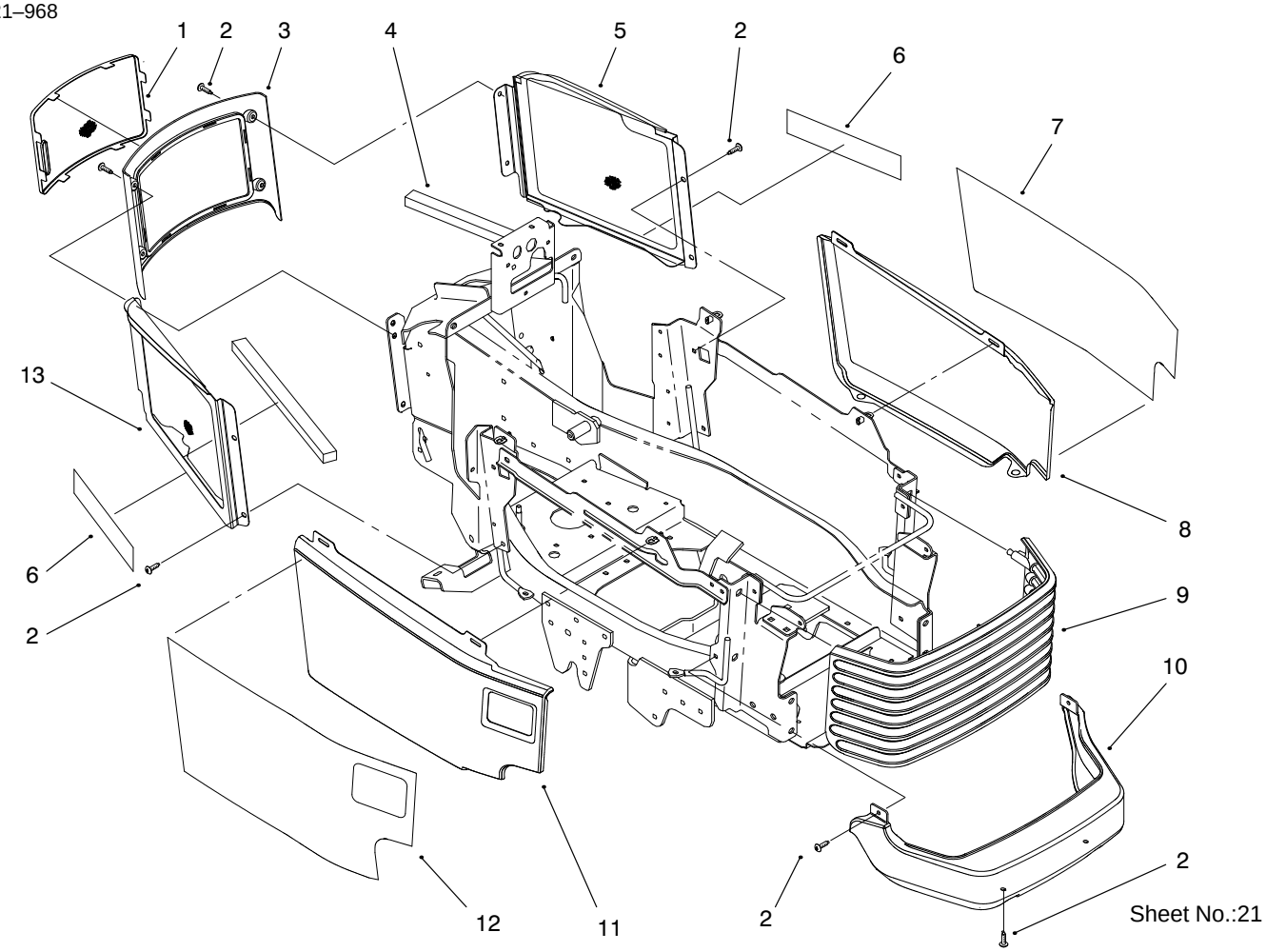


Sheet No.:20

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
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
18	98–1810	1	Clip – Convoluted
19	95–0691	1	Harness – Wire,Lights
20	92–6986	1	Bolt – Shoulder
21	3296–47	1	Nut–Lock Ni

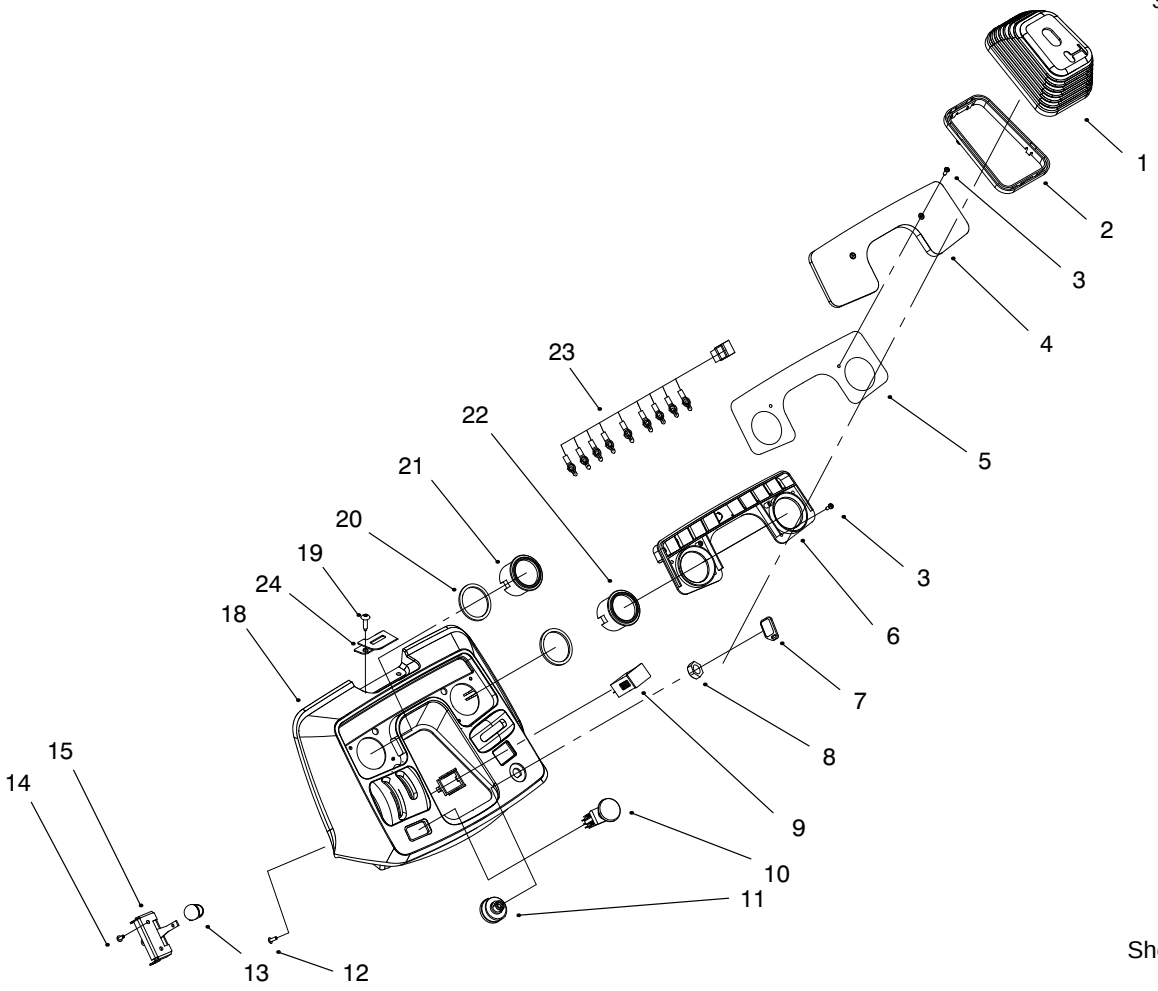
Ref. No.	Part No.	Qty.	Description



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	98–1607	2	Decal – 23d Gt
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



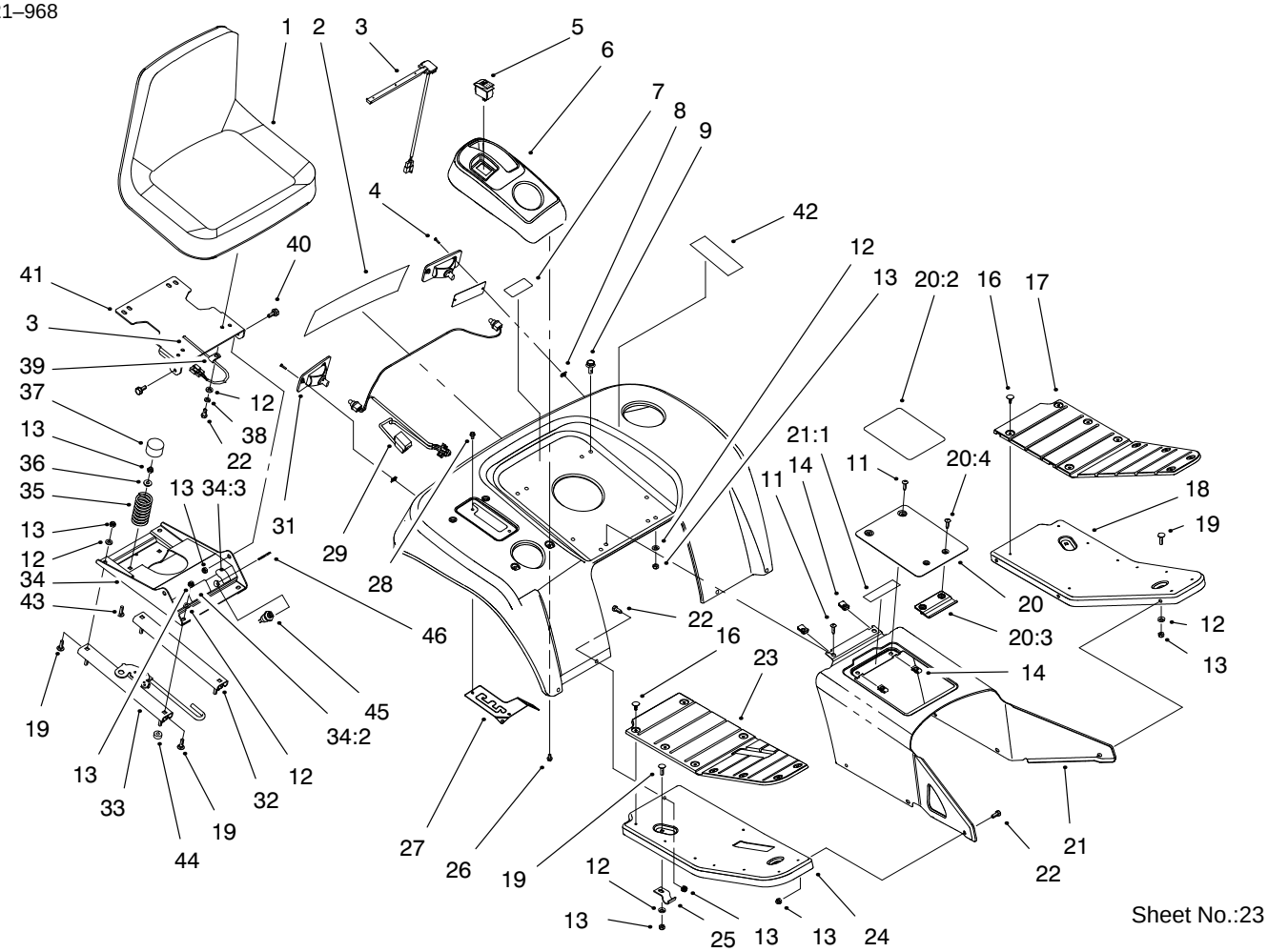
Sheet No.:22

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	95–4074	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	1	Tscrew – PPH
13	94–2121	1	Knob – Throttle
14	32144–32	2	Screw
15	95–4226	1	ASM – Throttle Cntrl Di
18	95–3967	1	Dash – Diesel
19	92–7020	4	Screw–HH
20	95–4238	2	Gasket – Foam
21	94–7618	1	Gauge – Water Temp Ds
22	95–3830	1	Gauge–Fuel
23	99–3727	1	Harness–8 Light,Ds
24	95–4287	1	Guard – Latch (Only On: 73590)

Ref. No.	Part No.	Qty.	Description

3321–968

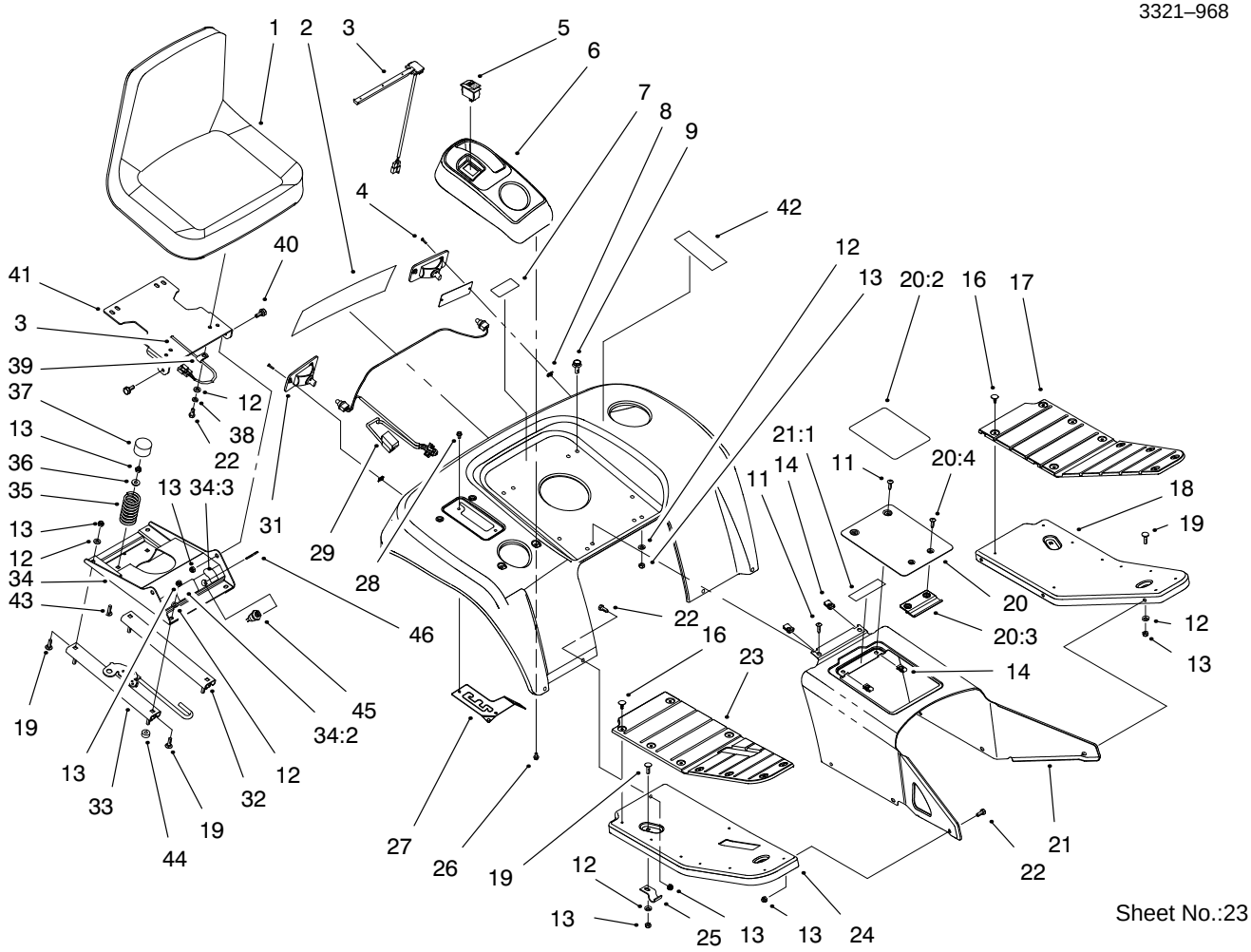


Sheet No.:23

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 (Only On: 73552)
6	95–4000	1	Pod – Control Int'l (Only On: 73590)
7	76–1340	1	Decal – USA (Only On: 73552)
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 (Only On: 73552)
20	98–1623	1	ASM – Tunnel Cover Europe (Only On: 73590)

Ref. No.	Part No.	Qty.	Description
20:2	99–6090	1	Decal–Danger (Only On: 73552)
20:2	98–1608	1	Decal – Danger Europe (Only On: 73590)
20:3	95–4107	1	Retainer – Cover
20:4	32104–123	2	Screw–Plastite (Only On: 73552)
20:4	94–4496	2	Screw–Pan Hd (Only On: 73590)
21	98–5025	1	ASM – Tunnel w/Decal (Only On: 73552)
21	98–5058	1	ASM – Tunnel w/Decal Europe (Only On: 73590)
21:1	80–8760	1	Decal – Danger (Only On: 73552)
21:1	98–5015	1	Decal – Warning (Only On: 73590)
22	322–3	18	Screw–HH
23	94–2095	1	Pad – RH Footrest
24	94–2089–01	1	Footrest – RH
25	95–3858	2	Bracket–Footrest
26	32144–20	4	Screw–Thread Forming

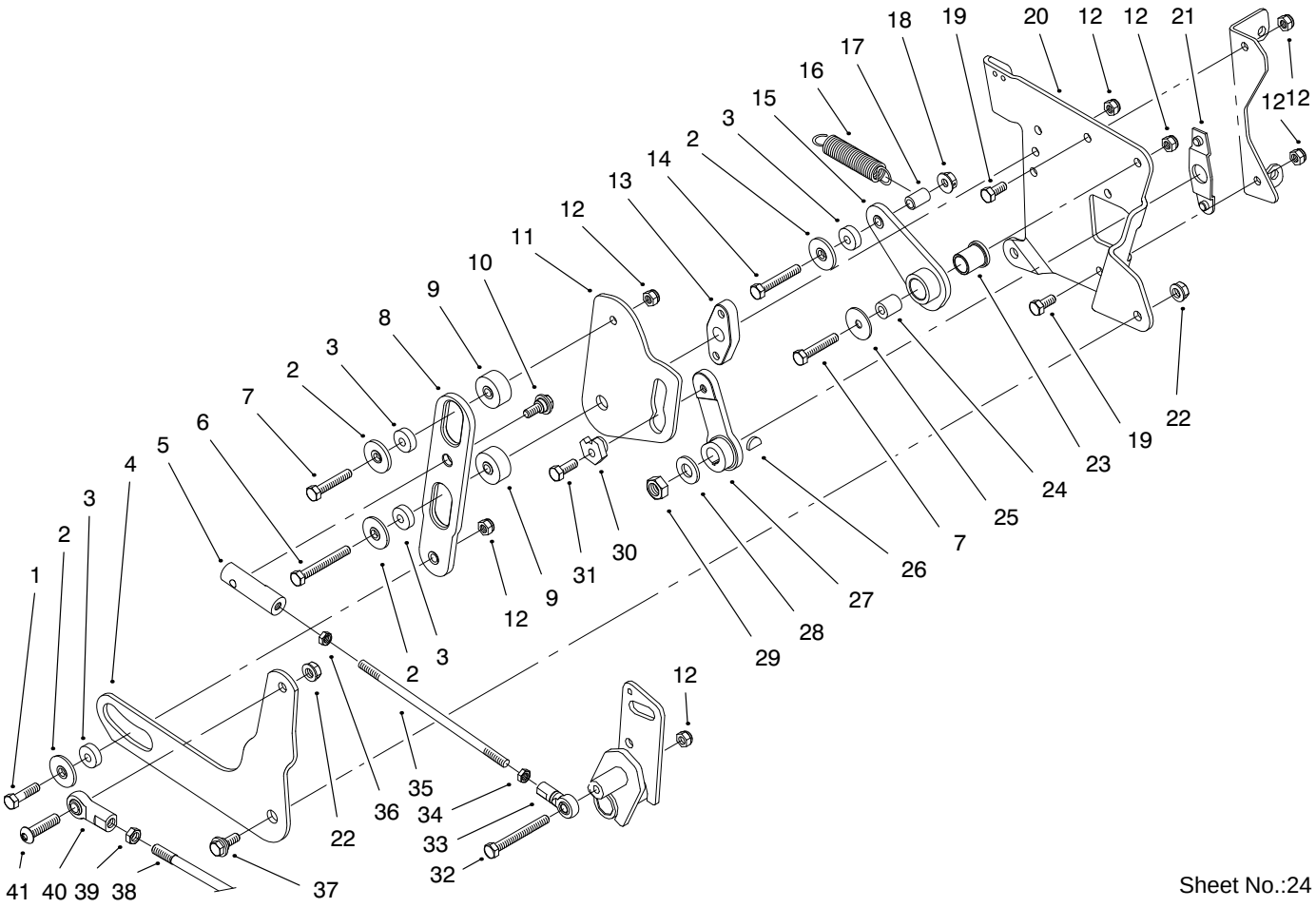


Sheet No.:23

Fender, Footrest & Seat Assembly

Ref. No.	Part No.	Qty.	Description
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 (Only On: 73552)
34	99–6099	1	Seat Base ASM–Intl (Only On: 73590)
34:2	99–2985	1	Decal–Danger (Only On: 73552)
34:3	99–5339	1	Decal–Nmir Switch (Only On: 73552)
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
42	98–3088	1	Decal – Diesel
43	3230–22	2	Screw–CARR
44	4–2390	4	Washer
45	46–5780	1	Switch–Starter
46	62–7770	1	Key–Ignition

Ref. No.	Part No.	Qty.	Description

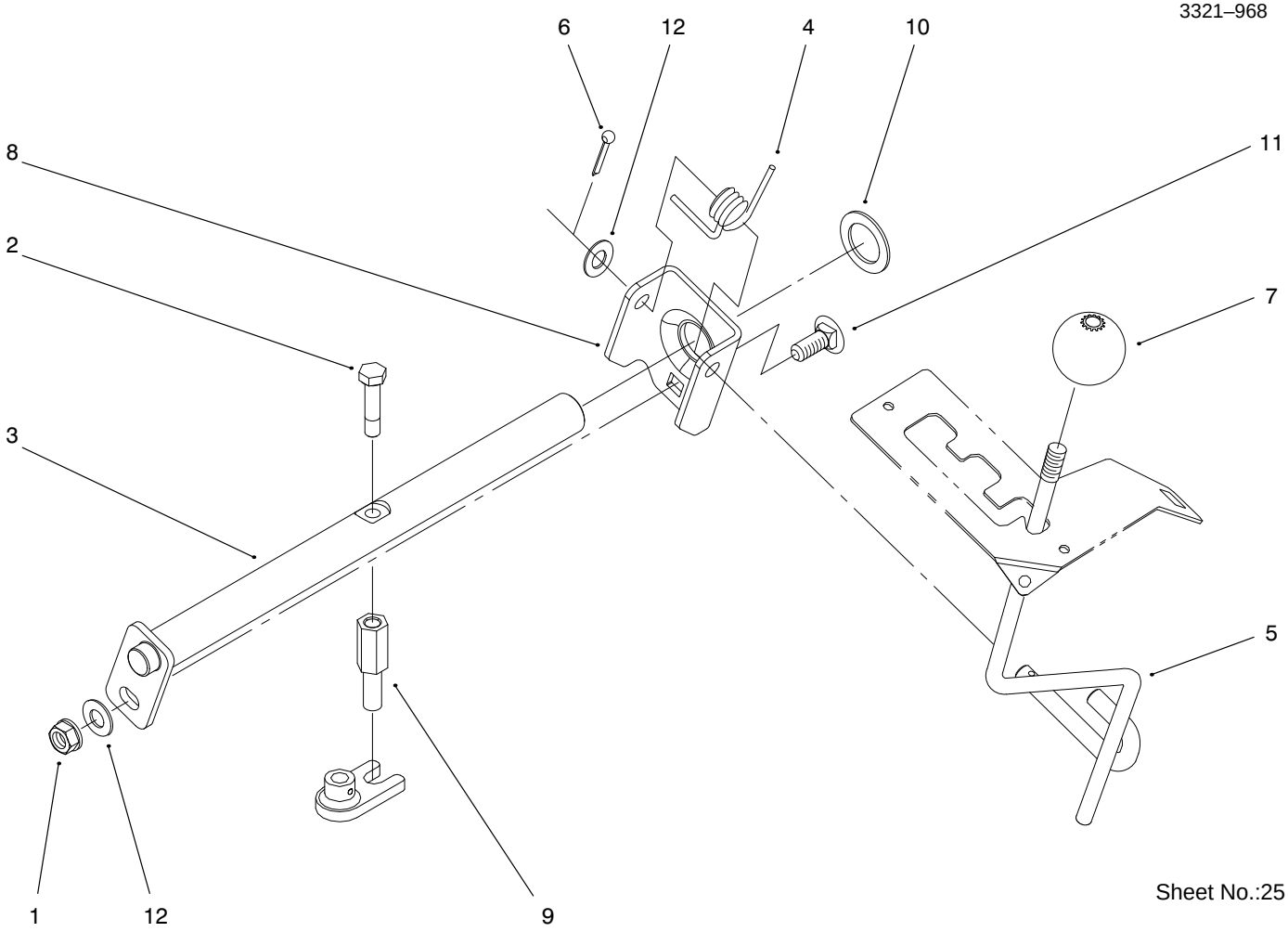


Sheet No.:24

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	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

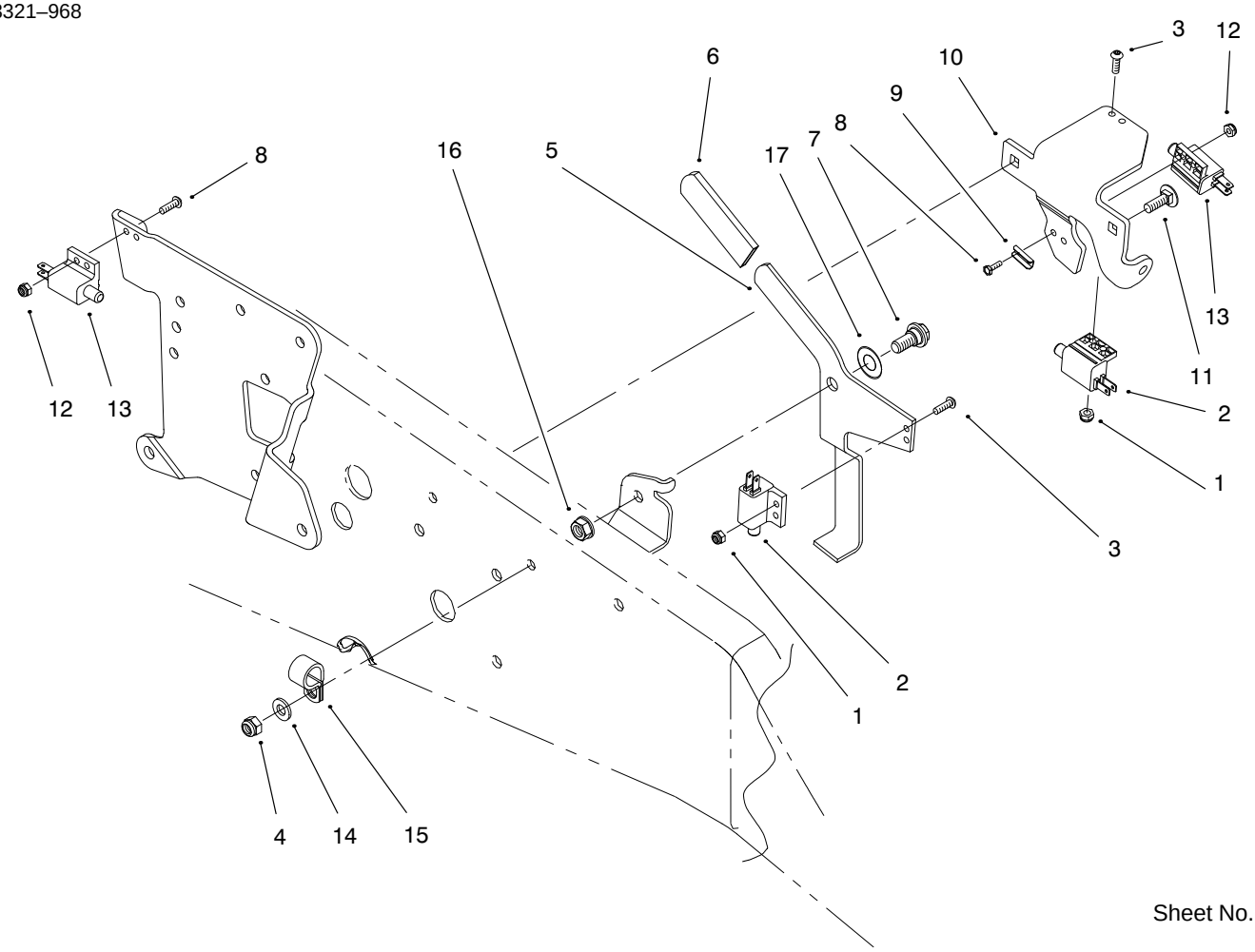
Ref. No.	Part No.	Qty.	Description
27	94–7816	1	Arm – Speed Control
28	3256–26	1	Washer–Flat
29	3296–45	1	Nut–Lock Ni
30	94–2468	1	Cam
31	95–4245	1	Screw – Thread Locking
32	322–13	1	Screw–HH
33	94–7571	1	End – RH Rod
34	3220–20	1	Nut–Jam LH
35	94–2497	1	Rod – Slider To Pivot
36	3220–2	1	Nut–Jam
37	94–7582	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



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

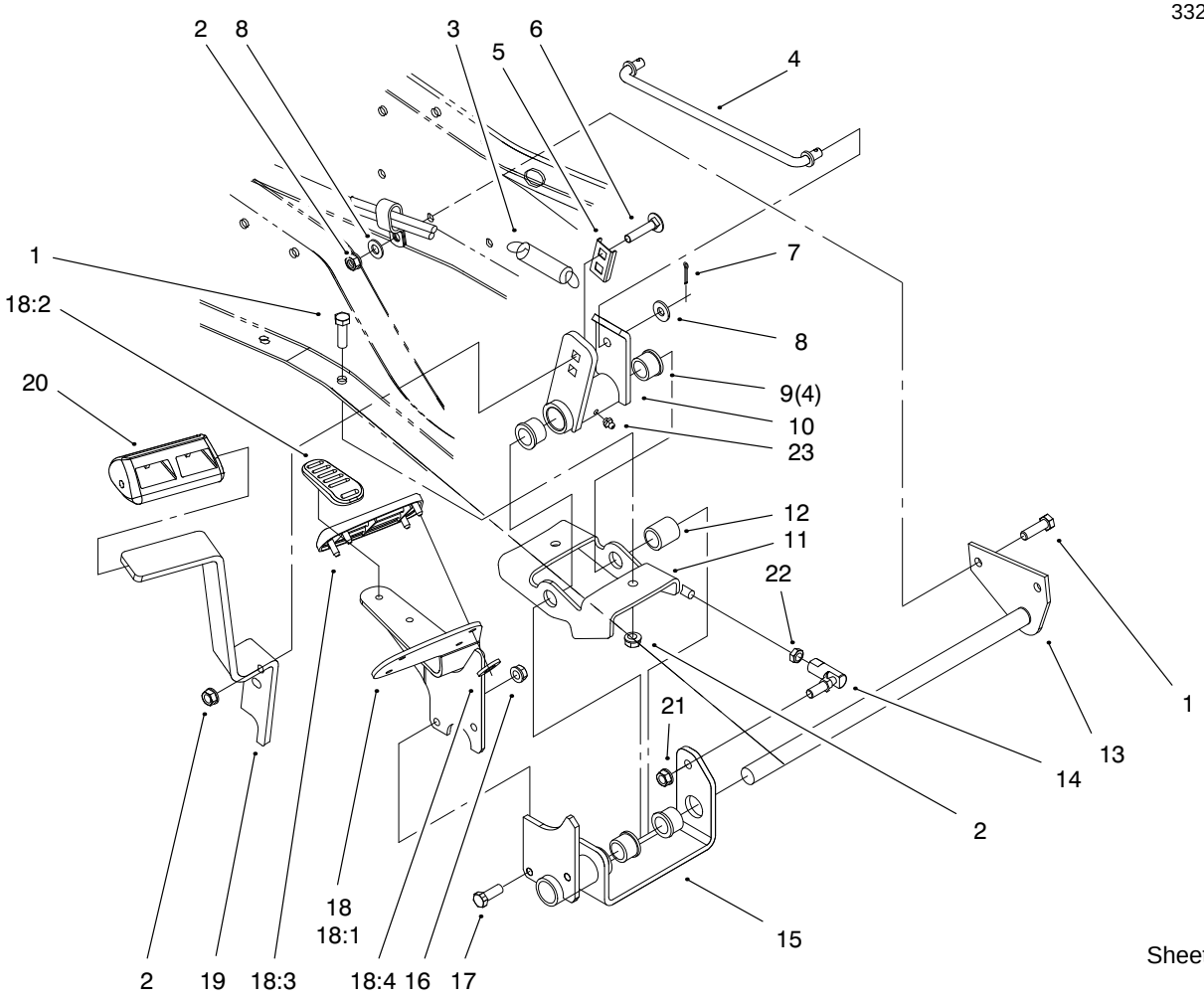


Sheet No.:26

Parking Brake Upper 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

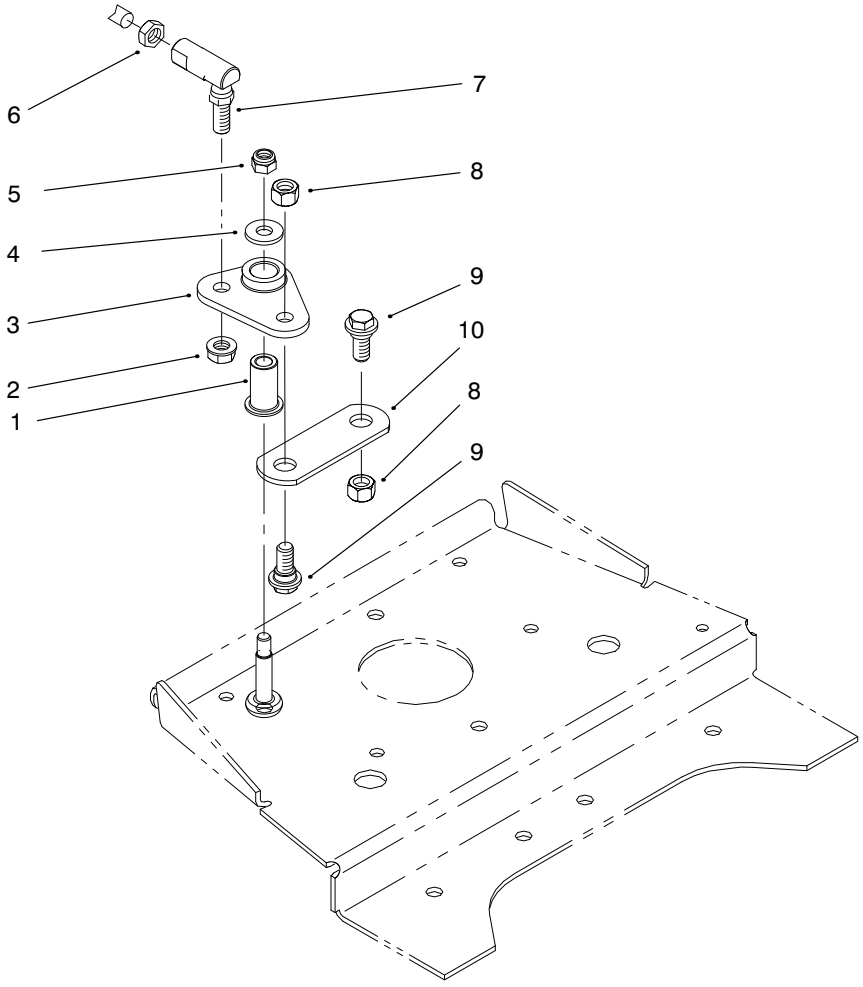


Sheet No.:27

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

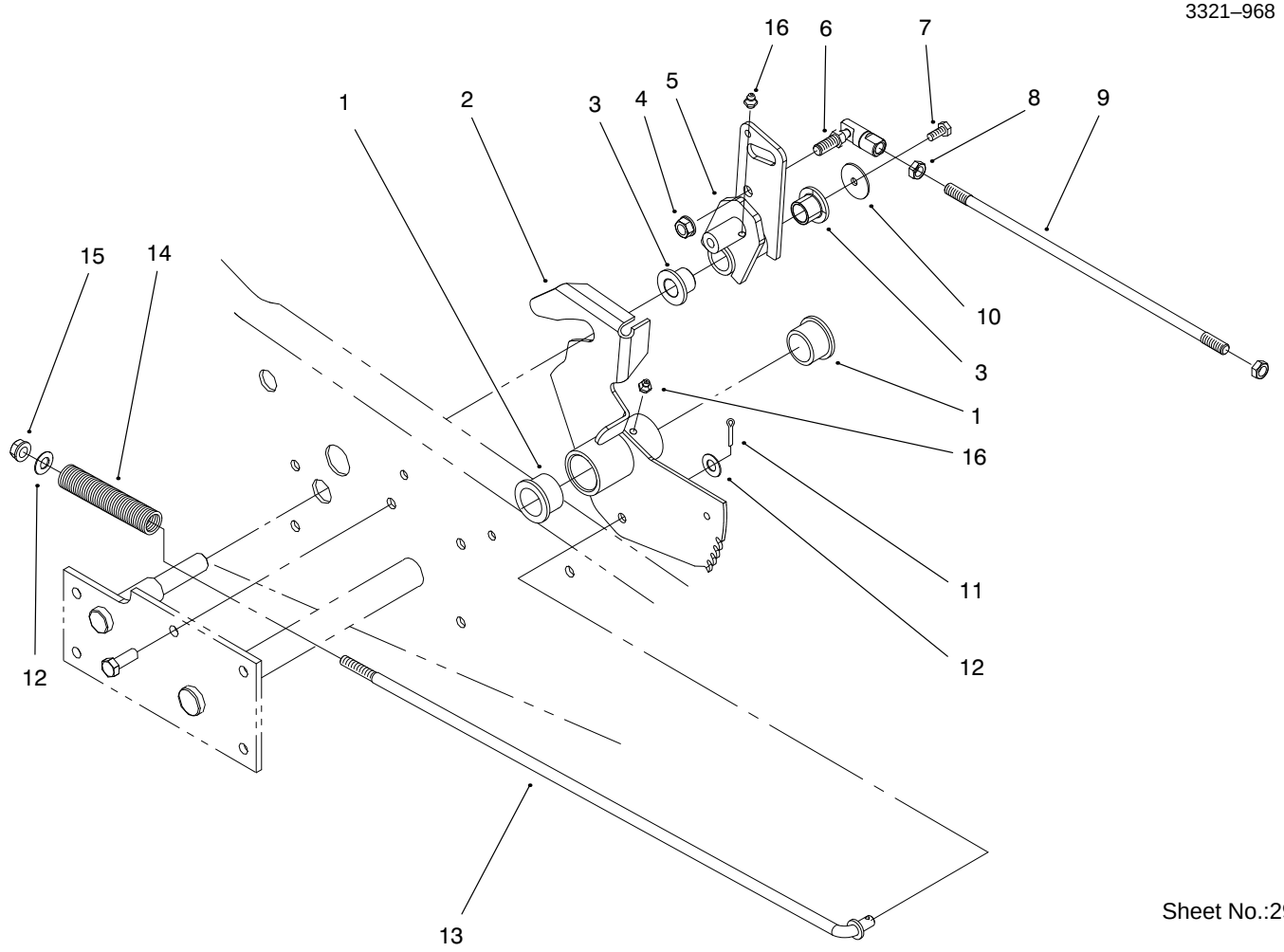


Sheet No.:28

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–Differential
9	94–7582	2	Bolt – Shoulder
10	94–2409	1	Ink – Slow Down

Ref. No.	Part No.	Qty.	Description

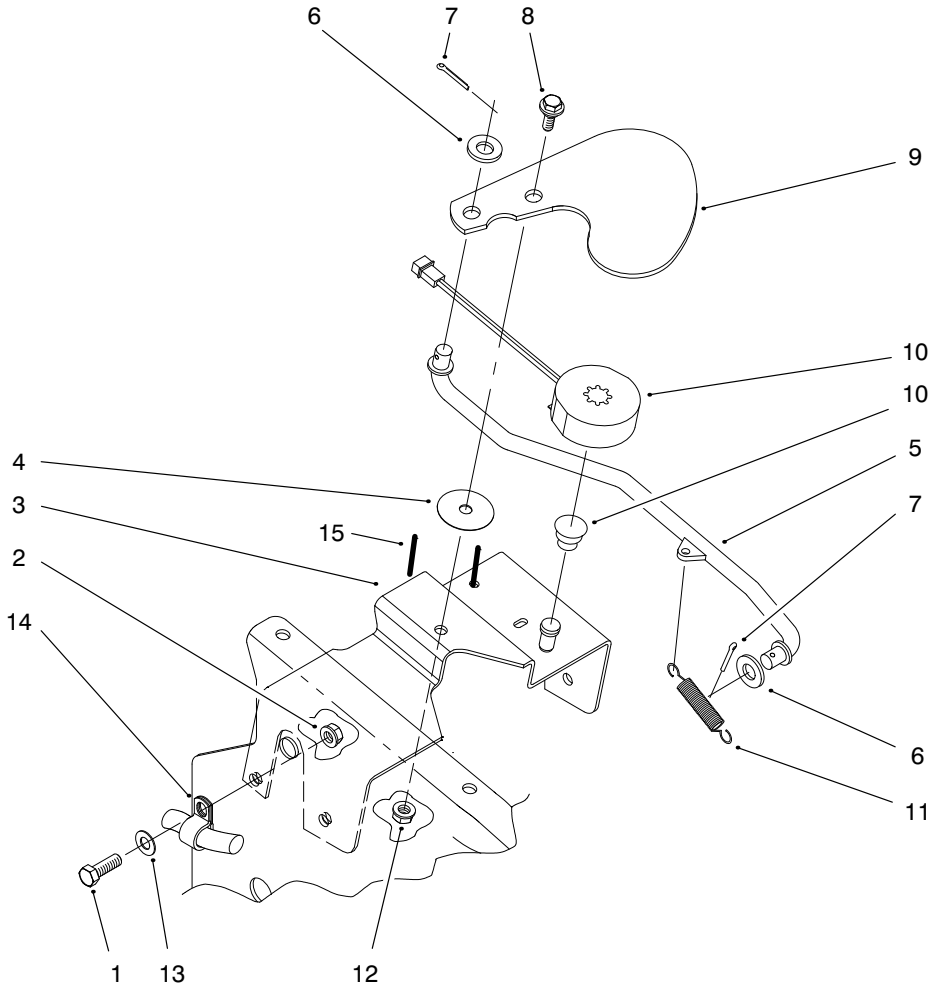


Sheet No.:29

Parking Brake Lower Assembly

Ref. No.	Part No.	Qty.	Description
1	94–7574	2	Bushing – Flanged
2	94–2375–03	1	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

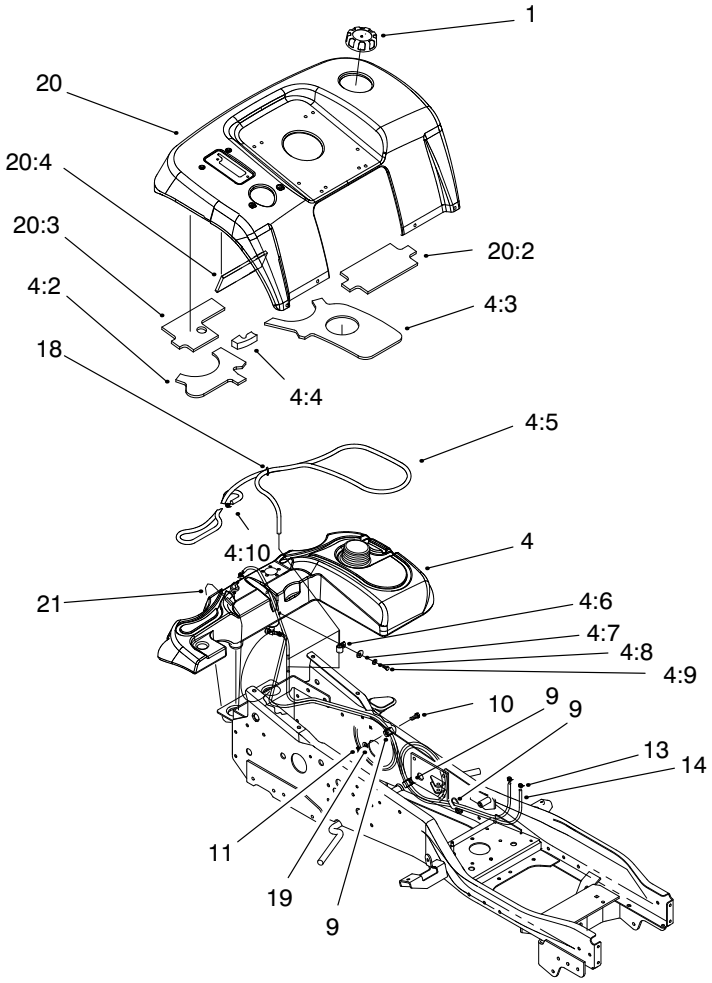


Sheet No.:30

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

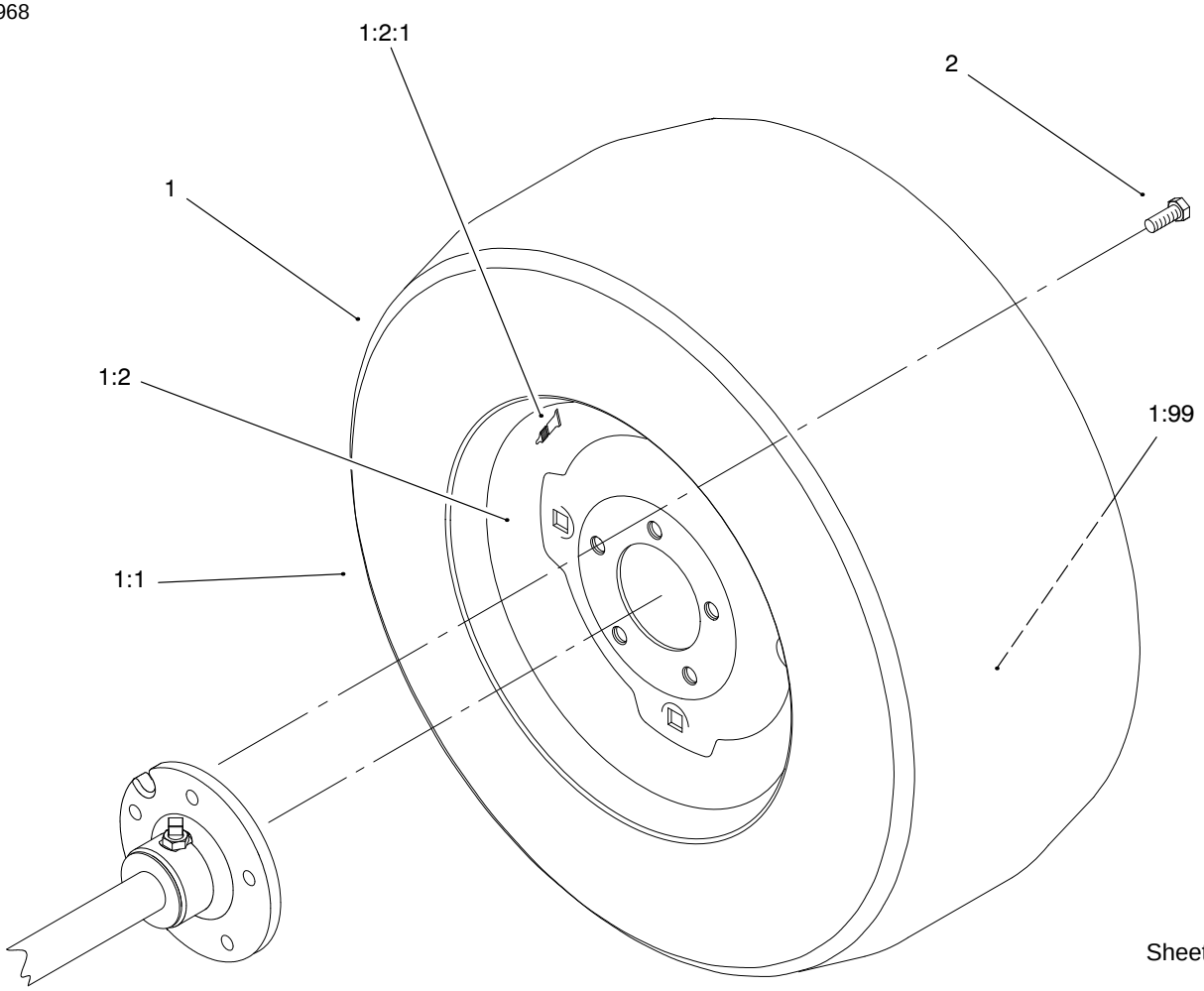


Sheet No.:31

Fender & Fuel System Assembly

Ref. No.	Part No.	Qty.	Description
1	95–4193	1	ASM – Gas Cap Diesel
4	99–6142	1	Tank–Diesel 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	95–4187	1	Clamp – Tube
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	98–1617	3	Clamp–Tube
10	323–6	1	Screw–HH
11	3296–39	1	Nut–Lock Ni
13	2412–108	2	Clamp
14	99–9682	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

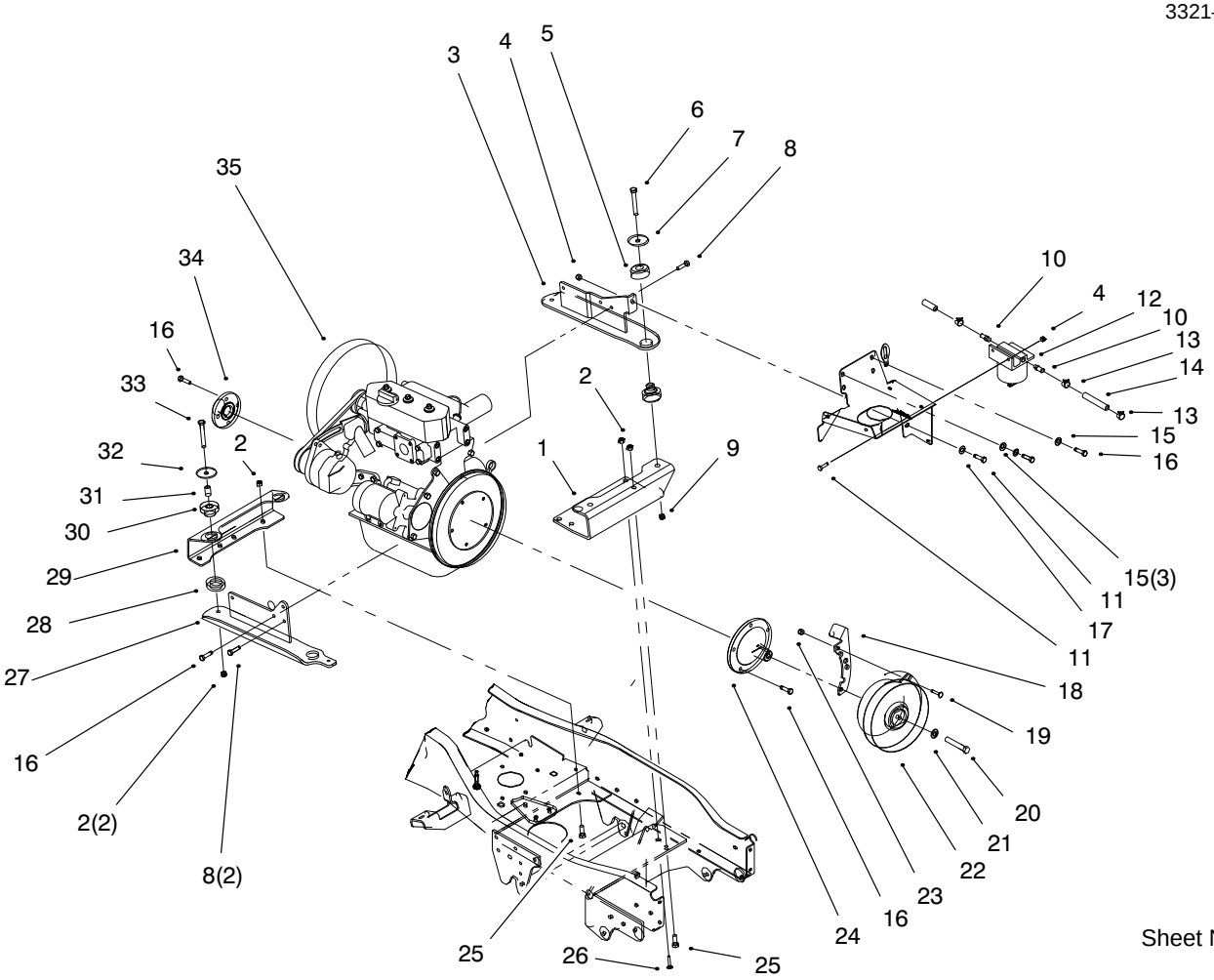


Sheet No.:32

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

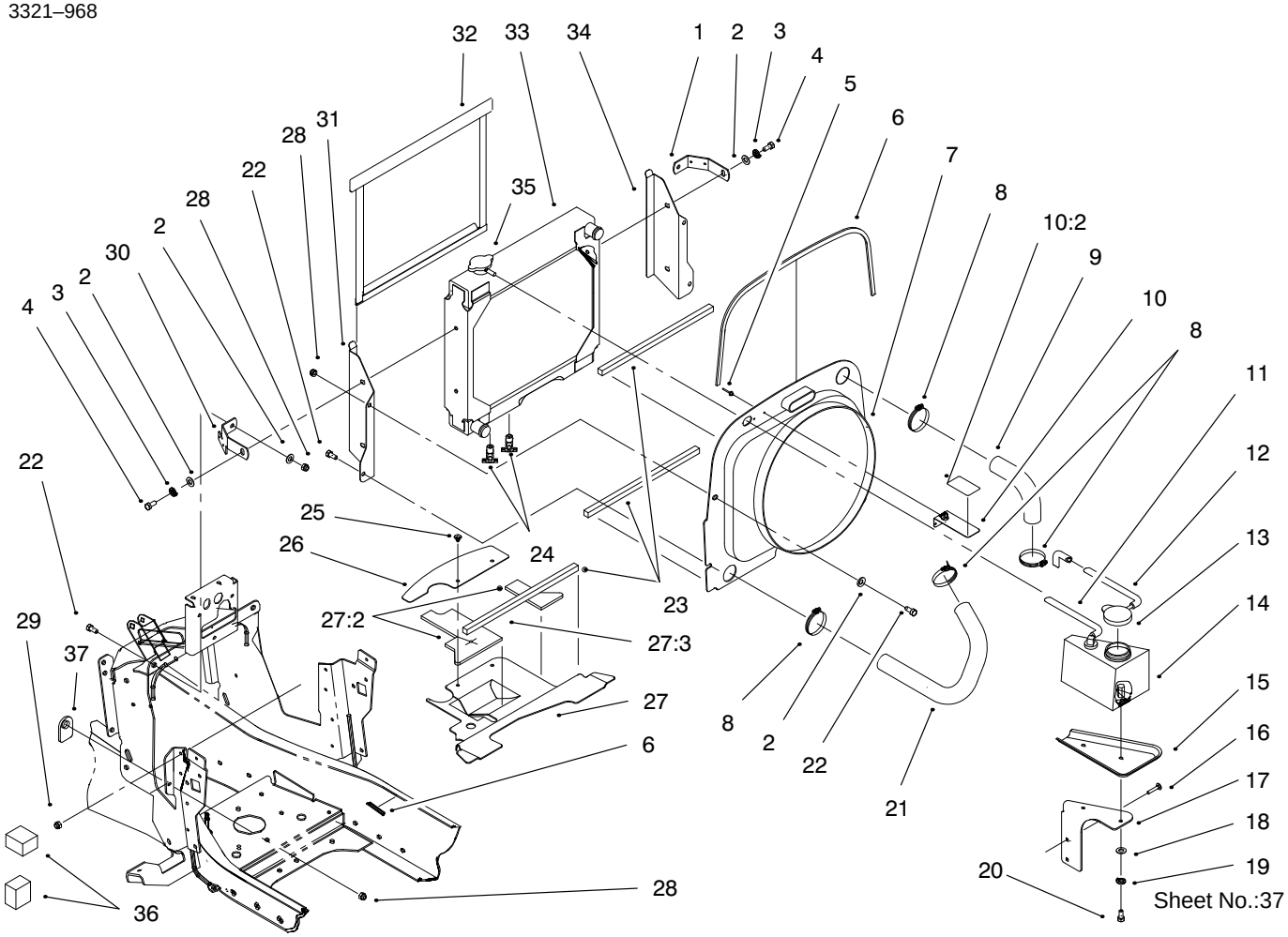


Sheet No.:36

Liquid Cooled Diesel Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	95–3882–03	1	Support–Front Eng
2	3296–39	8	Nut–Lock Ni
3	95–3890–03	1	Wa–LH Iso Brkt
4	3296–8	3	Nut–Lock Ni
5	95–4188	2	Mount – Isolation
6	325–12	2	Screw–HH
7	55–7960	2	Large Blade Washer
8	95–4183	4	Screw – Threadlocking
9	3296–23	2	Nut–Lock Ni
10	353–783	2	Pump Fitting
11	321–6	3	Screw–HH
12	63–7650	1	Filter/Water Separator
12:1	63–8280	1	Head Assembly
12:2	63–8290	1	Air Vent
12:3	63–8300	1	Spin–On Element
12:4	63–8310	1	Drain Valve
13	2412–108	2	Clamp
14	99–9687	1	Hose–Fuel (Service)
15	3256–23	4	Washer–Flat
16	95–4184	13	Screw – Threadlocking
17	3256–22	1	Washer–Flat
18	95–4066–03	1	Brkt–Clutch
19	3230–2	2	Screw–CARR
20	94–7973	1	Screw–HH
21	3256–25	1	Washer–Flat
22	94–2190	1	Clutch – PTO

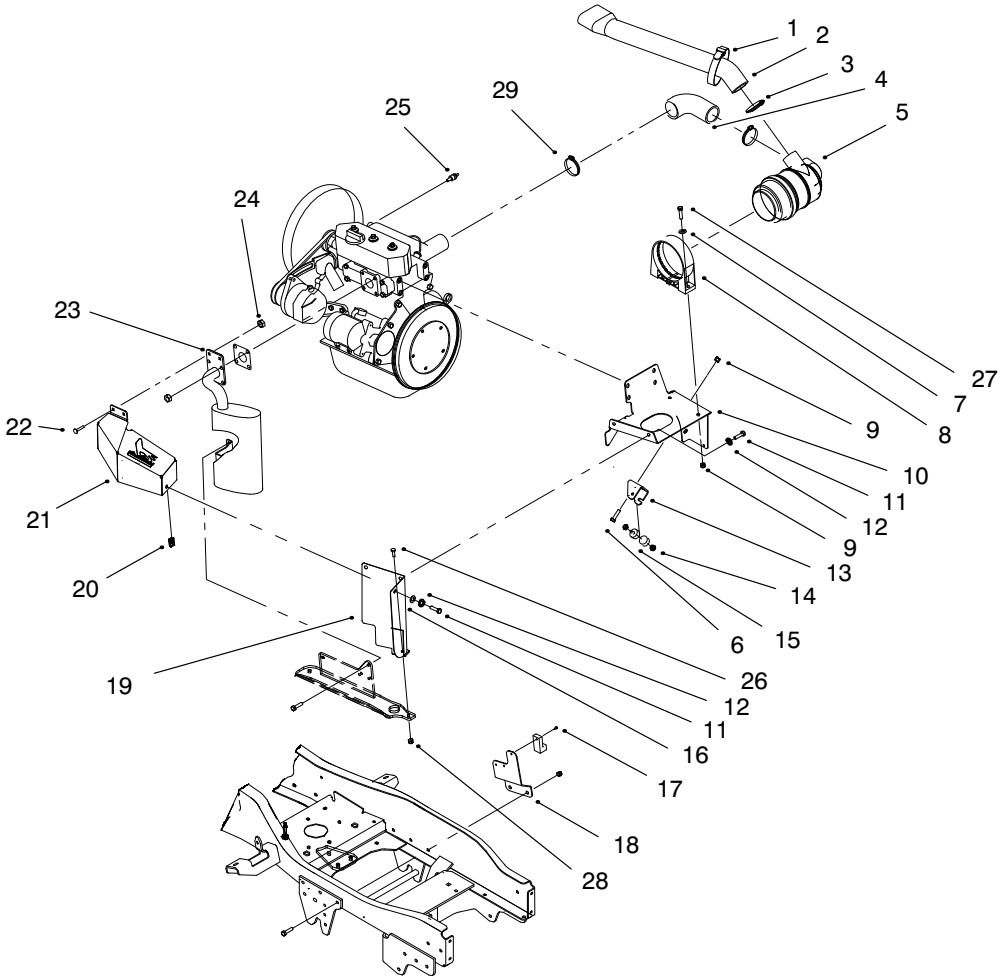
Ref. No.	Part No.	Qty.	Description
23	3296–29	2	Nut–Lock Ni
24	94–2065	1	Hub – PTO, Briggs
25	323–7	4	Screw–HH
26	3231–25	2	Screw–CARR
27	95–3889–03	1	Wa – RH Iso Brkt
28	95–4190	2	Ring – Isolation
29	95–3883–03	1	Support–Rear Eng
30	95–4189	2	Bushing – Isolation
31	94–7527	2	Sleeve – Iso Mount
32	83–1040	2	Washer – Flat
33	323–10	2	Screw–HH
34	94–7892	1	Hub – Drive, Dl
35	94–2163	1	Engine (Model 73590) (Serial No. 9900001–900130)
35	99–5310	1	Engine (Model 73590) (Serial No. 9901001 & Up)
35	99–5310	1	Engine (Model 73552) (Serial No. 9900001 & Up)



Liquid Cooled Diesel Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	94–7644–03	1	Strap–Radiator
2	3256–23	6	Washer–Flat
3	3253–4	4	Washer–Lock/Sp
4	322–2	4	Screw–HH
5	3269–13	2	Rivet–Pop
6	98–7217	1	Trim – Loc, 6” (Service)
6	98–7216	1	Trim – Loc, 31” (Service)
7	95–3825	1	Shroud – Fan
8	2412–34	4	Clamp–Hose
9	95–4266	1	Hose – Rad. Daihatsu
10	98–5024	1	ASM – Fan/Decal
10:2	95–4143	1	Decal – Warning
11	62–2470	1	Hose – Fuel Line
12	95–4227	1	Hose – Overflow (Service)
13	95–4191	1	Cap – Coolant Reservoir
14	95–4017	1	Bottle – Overflow
15	98–1600	1	Tray – Overflow
16	3229–1	2	Screw–CARR
17	95–4080–03	1	Brkt–Bottle
18	3256–22	2	Washer–Flat
19	3253–3	2	Washer–Lock/Sp
20	321–3	2	Screw–HH

Ref. No.	Part No.	Qty.	Description
21	95–4267	1	Hose – Rad. Daihatsu
22	322–5	6	Screw–HH
23	95–4161	2	Foam – Radiator/Shroud
24	95–4142	2	Valve – Drain
25	95–4237	2	Rivet – Plastic
26	95–4170	1	Baffle – Tower Rear
27	99–8052	1	Baffle–Tower ASM
27:2	98–5026	1	Foam–Baffle
27:3	95–4161	1	Foam–Radiator/Shroud
28	3296–29	6	Nut–Lock Ni
29	3296–8	2	Nut–Lock Ni
30	98–3590–03	1	Brkt–Radiator
31	94–7645–03	1	Support–RH Radiator
32	98–1643–03	1	Screen – Chaff
33	94–7640	1	Radiator – Diesel
34	94–7646–03	1	Support–LH Radiator
35	93–5957	1	Cap – Radiator
36	98–3086	4	Foam Seal – Kohler, Side
37	98–8712	2	Washer – Spacer

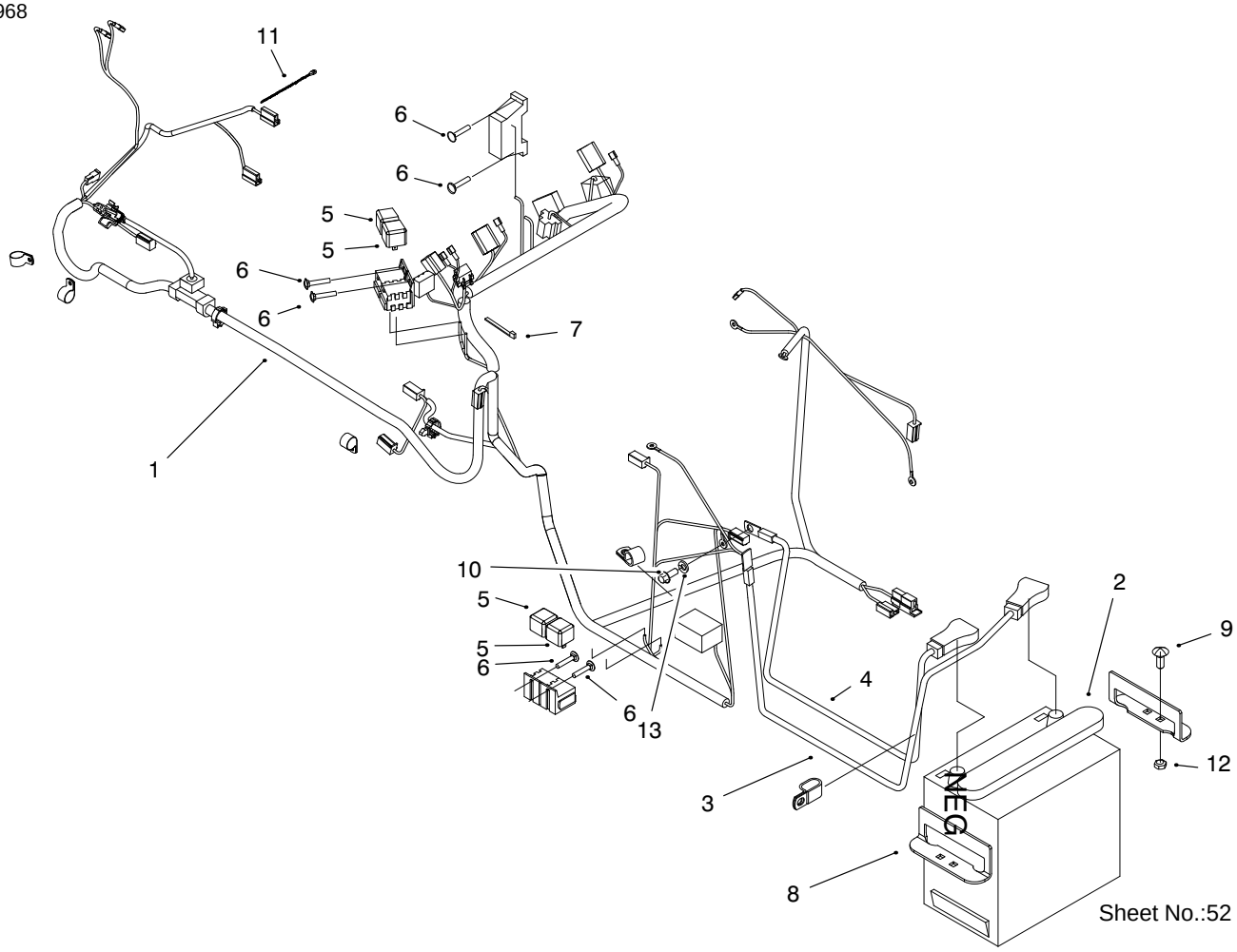


Sheet No.:38

Liquid Cooled Diesel Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	3290–379	1	Plastic Ty–On
2	98–1628	1	Hose – Air Cleaner
3	2412–92	2	Hose Clamp
4	95–4265	1	Hose – Air Cleaner Outlet
5	93–2190	1	Air Cleaner Assy
5:2	93–2195	1	Filter
5:3	94–3652	1	Cover ASM
5:3:1	E643283	2	Latch–Air Cleaner
5:4	94–1414	1	Valve – Vacuator
5:5	285–17	1	Pipe Plug
6	322–5	2	Screw–HH
7	3256–23	2	Washer–Flat
8	95–5806	1	Bracket – Mounting, Air Cleaner
9	3296–29	4	Nut–Lock Ni
10	95–3891–03	1	Guard–Flywheel
11	321–4	3	Screw–HH
12	3253–3	3	Washer–Lock/Sp
13	95–4067–03	1	Brkt–Clutch Anchor
14	3296–42	2	Nut–Lock Ni
15	240–14	2	Bumper – Rubber
16	3256–22	1	Washer–Flat
17	12–5450	1	Screw–Special Vex
18	95–4239–03	1	Bracket – Relay
19	98–1634–03	1	Heat Shield Wa

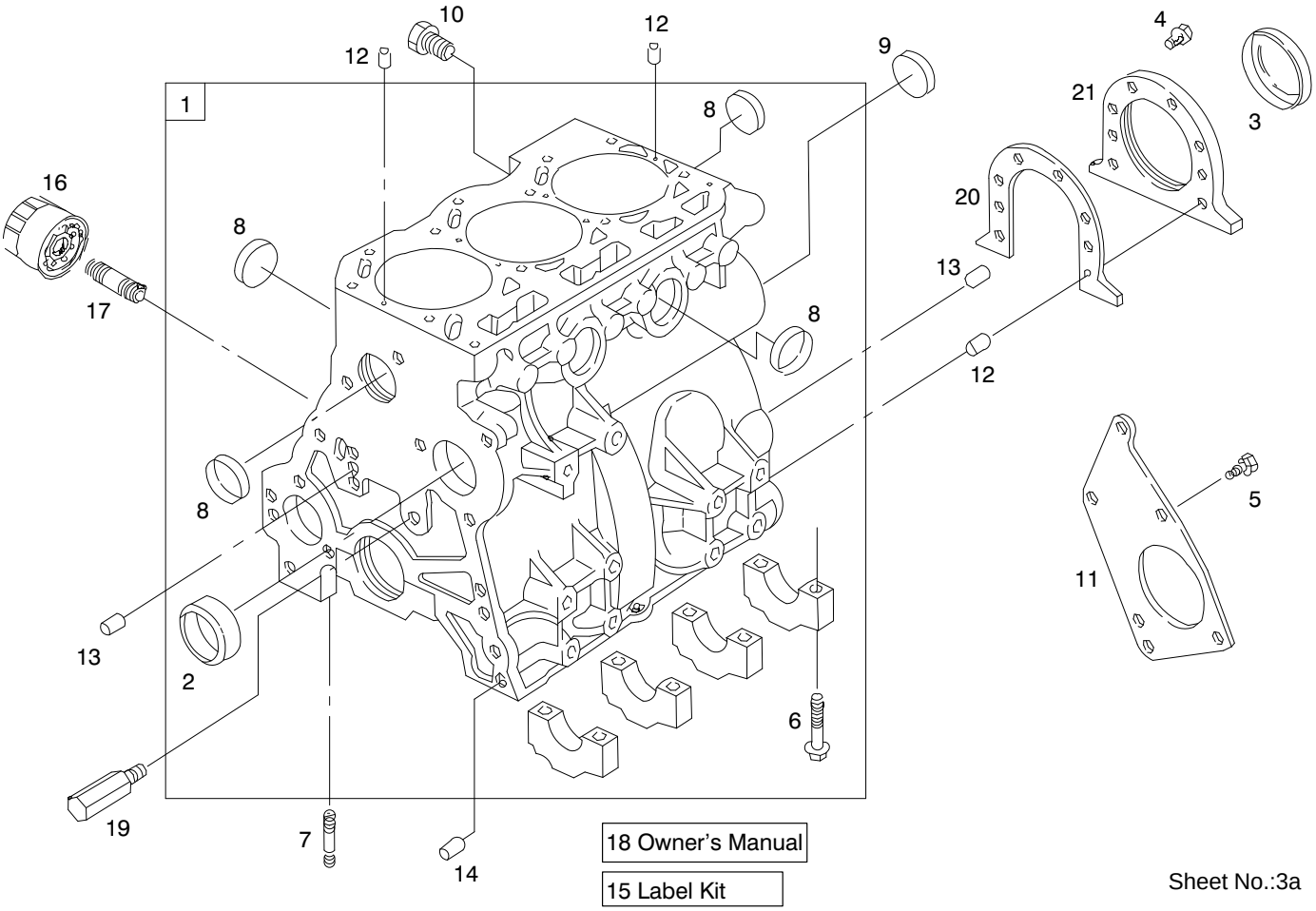
Ref. No.	Part No.	Qty.	Description
20	107069	3	Clip
21	98–1638–03	1	Heat Shield Wa
22	3229–1	2	Screw–CARR
23	94–7958	1	Muffler
24	32152–4	2	Nut–Conelock
25	94–7621	1	Temp. Sender, Ds
26	3296–8	1	Nut–Lock Ni
27	322–6	2	Screw–HH
28	321–6	1	Screw–HH
29	2412–130	1	Hose Clamp



Electrical 23HP Assembly

Ref. No.	Part No.	Qty.	Description
1	99–3725	1	Harness – Main
2	94–7622	1	Battery – 495cca
3	95–7852	1	Cable – Battery,Red
4	95–7853	1	Cable – Battery,
5	98–7249	4	Relay–Spdt
6	12–5450	6	Screw–Special Vex
7	614249	1	Strap–Tie Sm
8	98–3497	2	Hold – Down, Battery
9	3230–16	2	Screw–HH
10	33114–016	1	Screw–HH
11	98–5072	1	Tie–Cable
12	3296–29	2	Nut–Lock Ni
13	3253–4	1	Washer–Lock/Sp
	109355	1	Fuse–15 Amp
	218–578	2	Fuse–10 Amp Blade Type
	Nn10277	1	Fuse – 30 Ampere

Ref. No.	Part No.	Qty.	Description

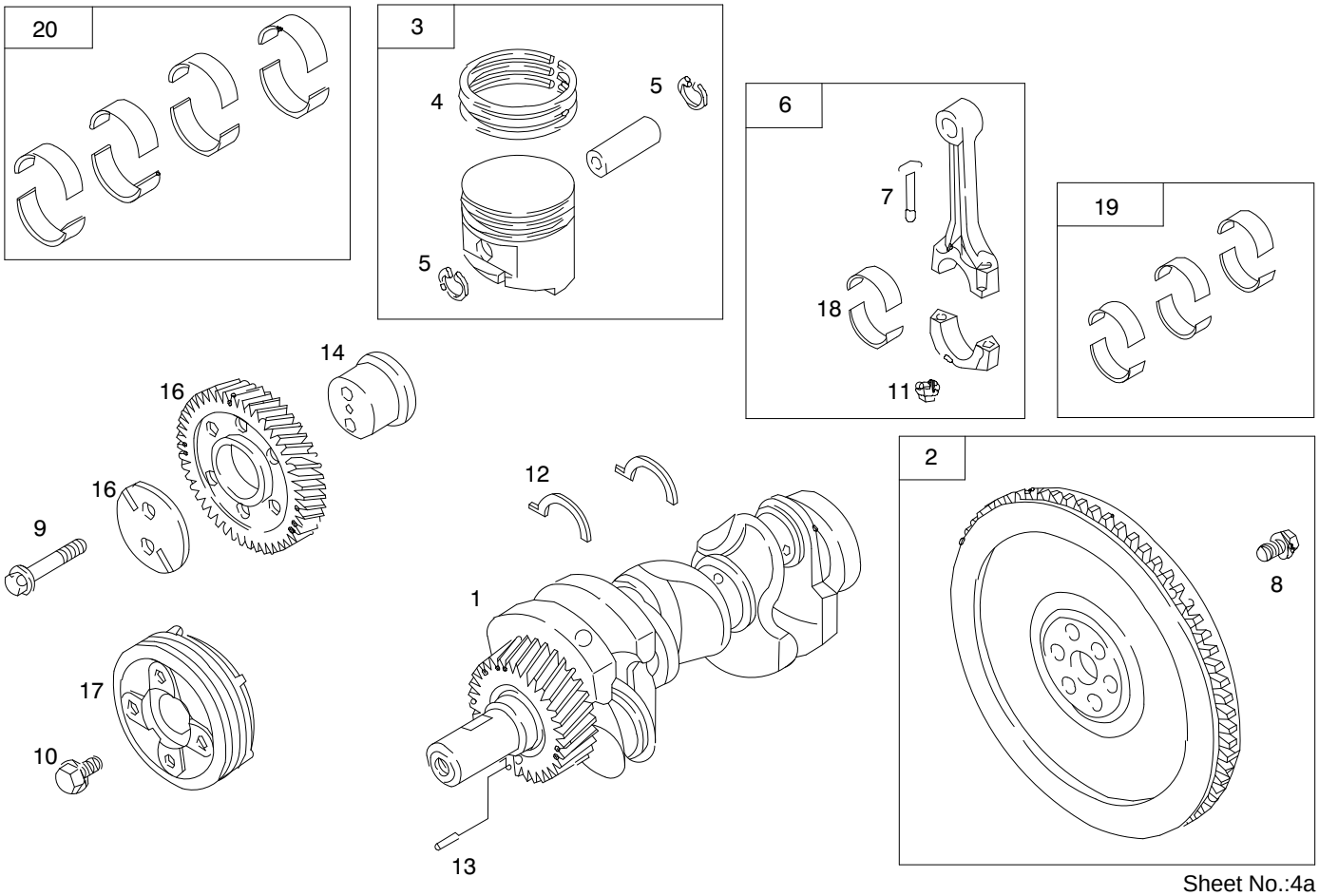


Sheet No.:3a

Engine Assembly (Serial No. 99000001 & Up) (Model 73552)
Engine Assembly (Serial No. 99001001 & Up) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9600	1	Cylinder Assembly
2	99–9002	1	Bushing
3	99–9003	1	Seal–Oil
4	99–9004	6	Screw–Hex
5	99–9005	5	Screw–Hex
6	99–9006	8	Screw–Hex
7	99–9007	1	Stud–Metric
8	99–9008	7	Plug–Welch
9	99–9010	1	Plug–Welch (Camshaft)
10	99–9601	1	Plug (Cylinder Block)
11	99–9011	1	Bracket–Mounting
12	99–9012	4	Pin–Locating
13	99–9013	3	Pin–Locating
14	99–9014	2	Pin–Locating
15	99–9015	1	Label Kit
16	99–9017	1	Filter–Oil
17	99–9018	1	Adapter–Oil Filter
18	99–9602	1	Owner's Manual
19	99–9020	1	Nozzle–Oil
20	99–9021	1	Gasket–Retainer
21	99–9022	1	Retainer–Seal

Ref. No.	Part No.	Qty.	Description

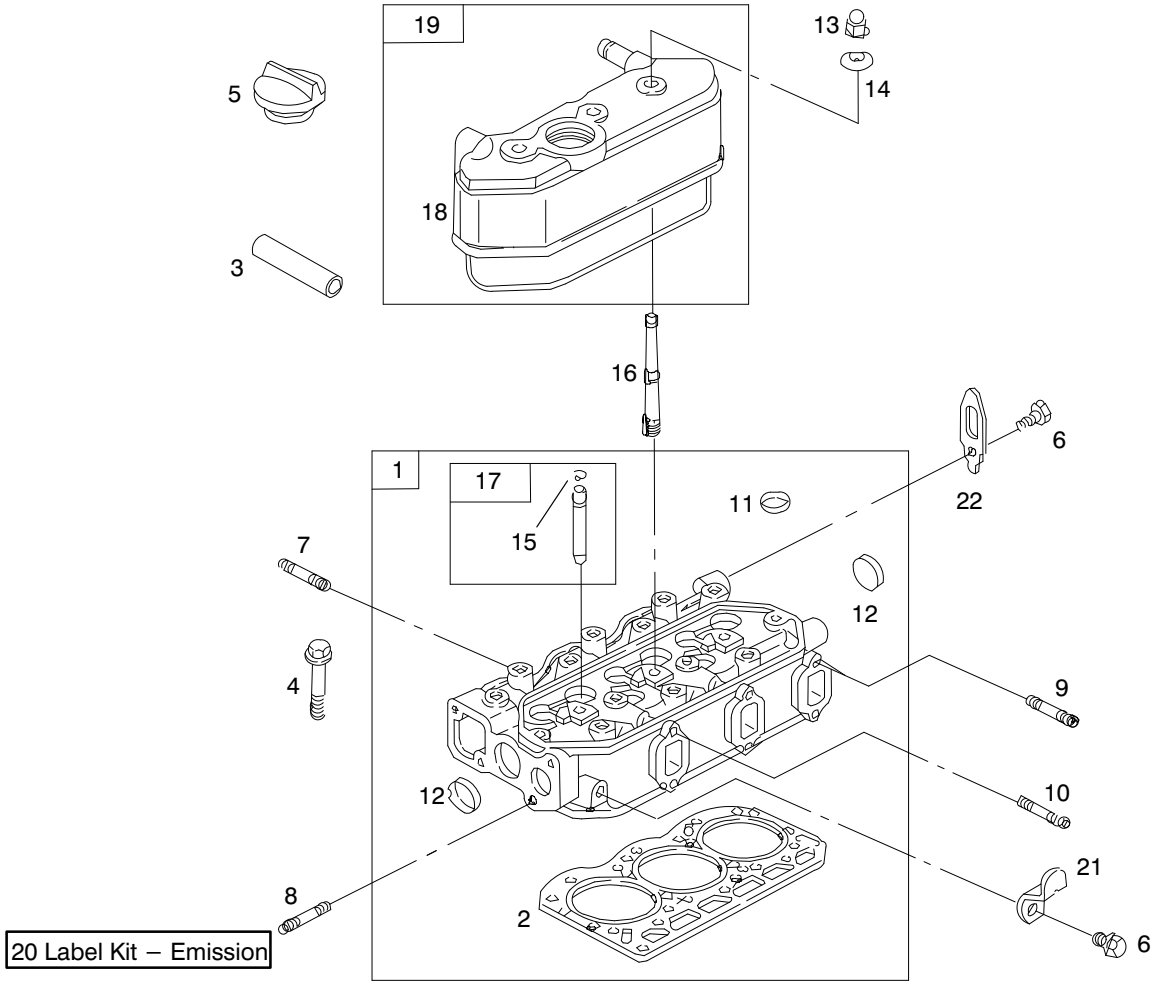


Sheet No.:4a

Engine Assembly (Serial No. 99000001 & Up) (Model 73552)
Engine Assembly (Serial No. 99001001 & Up) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9603	1	Crankshaft
2	99–9604	1	Flywheel
3	99–9605	3	Piston Assembly
4	99–9606	3	Ring Set
5	99–9607	6	Lock–Piston Pin
6	99–9608	3	Rod–Connecting
7	99–9030	6	Screw–Connecting Rod
8	99–9031	6	Screw–10mm Hex
9	99–9032	2	Screw–8mm Hex
10	99–9033	1	Screw–Hex
11	99–9034	6	Nut–Hex
12	99–9035	1	Washer–Thrust
13	99–9037	1	Pin–Locating
14	99–9609	1	Gear–Drive
15	99–9039	1	Shaft–Gear
16	99–9040	1	Plate–Idler Gear
17	99–9692	1	Pully–Crankshaft
18	99–9042	3	Bearing–Rod
19	99–9043	3	Bearing Set–Rod
20	99–9045	1	Bearing Set–Main

Ref. No.	Part No.	Qty.	Description

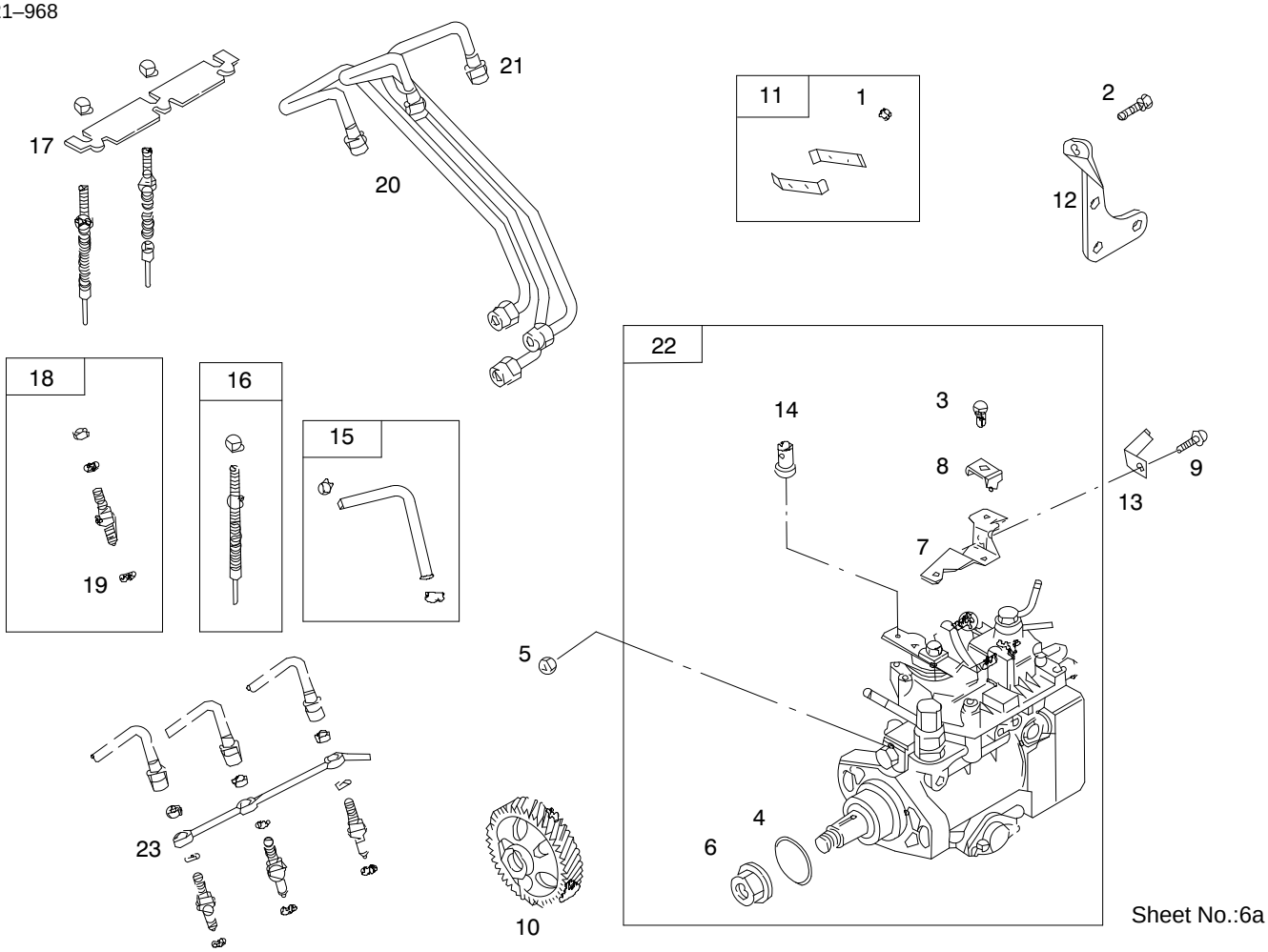


Sheet No.:5a

Engine Assembly (Serial No. 99000001 & Up) (Model 73552)
Engine Assembly (Serial No. 99001001 & Up) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9611	1	Head–Cylinder
2	99–9612	1	Gasket–Cylinder Head
3	99–9613	1	Tube–Breather
4	99–9614	14	Screw–Metric
5	99–9052	1	Cap–Oil Fill
6	99–9054	2	Screw–8mm Hex
7	99–9055	2	Stud–Metric
8	99–9057	2	Stud–Metric
9	99–9058	5	Stud–Metric
10	99–9059	1	Stud–Metric
11	99–9008	2	Plug–Welch
12	99–9060	2	Plug–Welch
13	99–9061	3	Nut–Metric Hex
14	99–9063	3	Washer–Seal
15	99–9067	6	Retainer
16	99–9101	3	Stud–Rocker Arm
17	99–9070	6	Bushing–Guide
18	99–9073	1	Gasket–Rocker Cover
19	99–9074	1	Cover–Rocker
20	99–9615	1	Label Kit–Emission
21	99–9076	1	Bracket–Lifting
22	99–9077	1	Bracket–Lifting

Ref. No.	Part No.	Qty.	Description

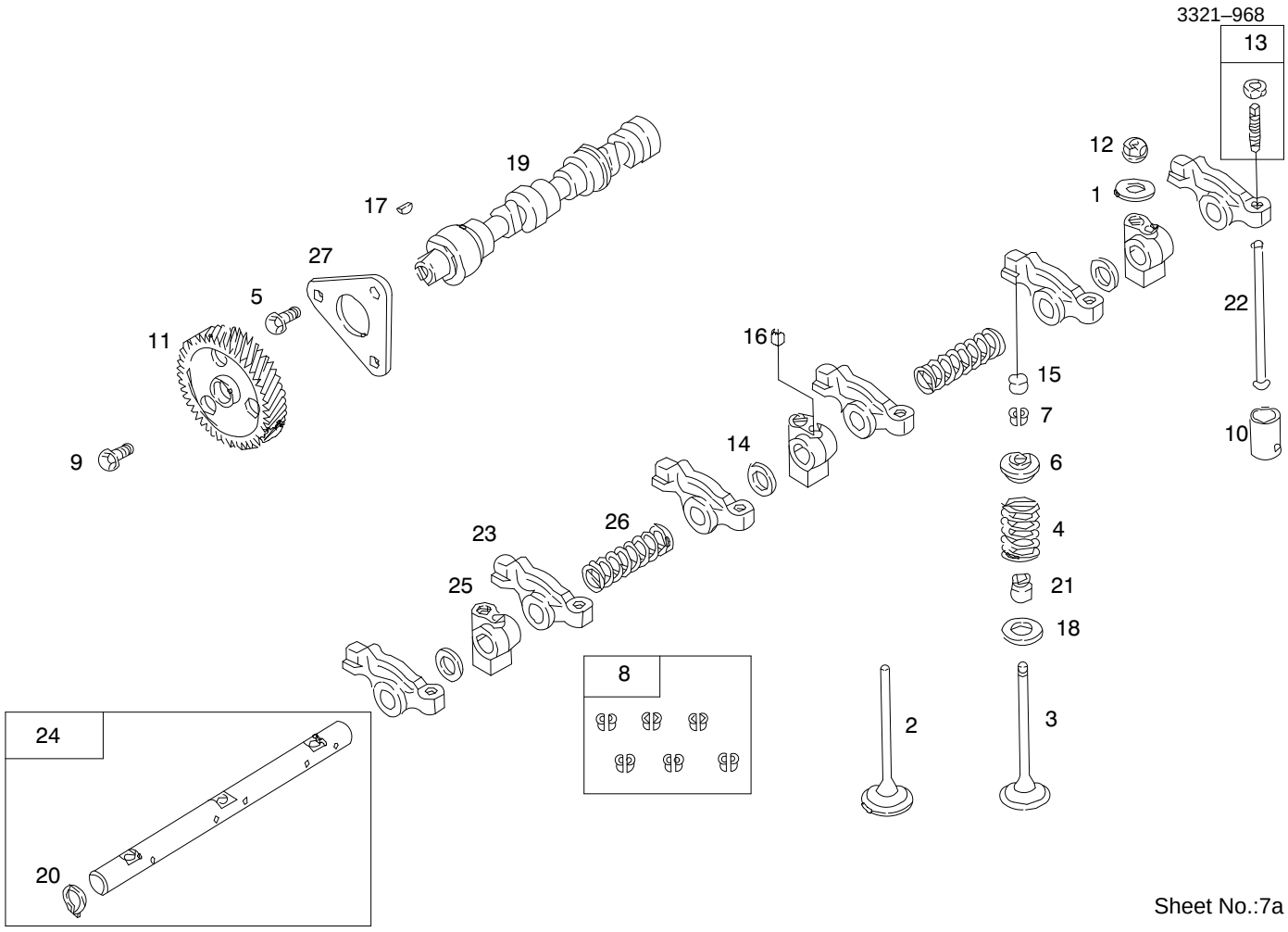


Sheet No.:6a

Engine Assembly (Serial No. 99000001 & Up) (Model 73552)
Engine Assembly (Serial No. 99001001 & Up) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9004	2	Screw–Hex
2	99–9616	4	Screw–8mm Hex
3	99–9617	1	Screw–Metric
4	99–9618	1	Seal–O–Ring
5	99–9619	2	Nut–Metric Hex
6	99–9620	1	Nut–Metric Hex
7	99–9621	1	Bracket–Casing Clamp
8	99–9622	1	Clamp–Casing
9	99–9623	1	Screw–Hex
10	99–9624	1	Gear–Drive
11	99–9625	1	Clamp
12	99–9626	1	Bracket–Support
13	99–9627	1	Bracket–Support
14	99–9628	1	Clamp–Swivel
15	99–9629	1	Hose/Clamp Assembly
16	99–9630	3	Plug–Glow
17	99–9631	1	Strap–Glow Plug
18	99–9632	3	Nozzle–Injector
19	99–9633	1	Seat–Injector
20	99–9634	1	Pipe–Injector #2
21	99–9635	1	Pipe–Injector #3
22	99–9636	1	Pump–Injection
23	99–9637	1	Pipe–Fuel Return

Ref. No.	Part No.	Qty.	Description

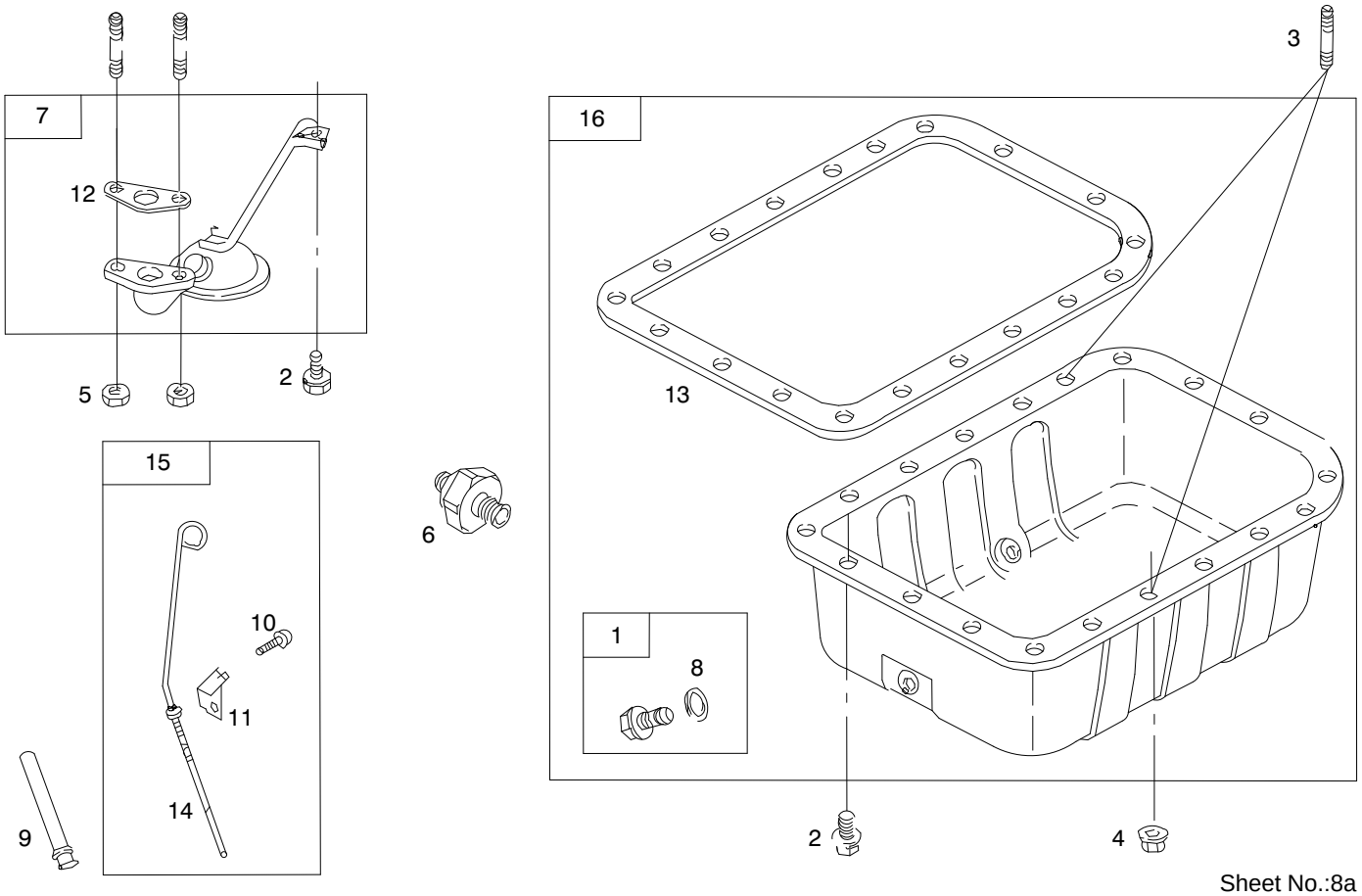


Sheet No.:7a

Engine Assembly (Serial No. 99000001 & Up) (Model 73552)
Engine Assembly (Serial No. 99001001 & Up) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9079	3	Washer–Flat
2	99–9638	3	Valve–Exhaust
3	99–9639	3	Valve–Intake
4	99–9640	6	Spring–Valve
5	99–9083	3	Screw–6mm Hex
6	99–9084	6	Retainer–Valve
7	99–9086	1	Keeper–Valve
8	99–9087	6	Keeper–Valve
9	99–9085	1	Screw–Metric
10	99–9088	6	Tappet–Valve
11	99–9641	1	Gear–Cam
12	99–9091	3	Nut–Metric Hex
13	99–9092	6	Adjuster–Rocker Arm
14	99–9093	3	Washer–Spacer
15	99–9094	6	Cap–Valve
16	99–9090	1	Screw–Metric
17	99–9642	1	Key–Timing
18	99–9096	6	Seat–Valve Spring
19	99–9097	1	Shaft–Cam
20	99–9099	2	Retainer
21	99–9643	6	Seal–Valve
22	99–9103	6	Rod–Push
23	99–9104	1	Arm–Rocker
24	99–9106	1	Shaft–Rocker Arm

Ref. No.	Part No.	Qty.	Description
25	99–9107	3	Support–Rocker Arm
26	99–9108	2	Spring–Rocker Shaft
27	99–9109	1	Retainer–Camshaft

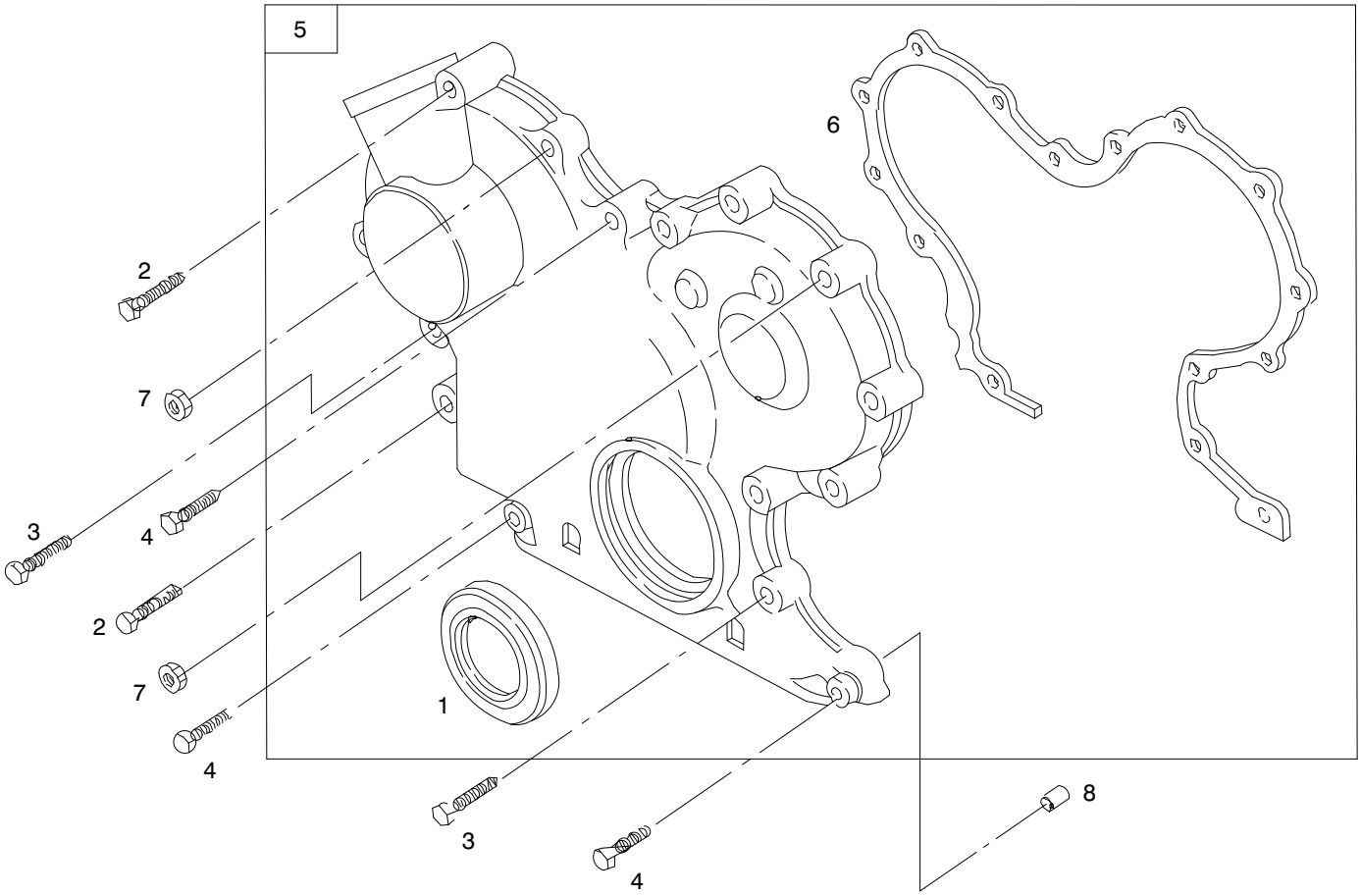


Sheet No.:8a

Engine Assembly (Serial No. 99000001 & Up) (Model 73552)
Engine Assembly (Serial No. 99001001 & Up) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9644	1	Plug–Oil Drain
2	99–9111	18	Screw–6mm Hex
3	99–9112	2	Stud–Metric
4	99–9113	2	Nut–Metric Hex
5	99–9114	2	Nut–Metric Hex
6	99–9115	1	Switch–Oil Pressure
7	99–9116	1	Screen–Oil Pump
8	99–9645	1	Washer–Seal
9	99–9118	1	Tube–Dipstickx
10	99–9646	1	Screw–6mm Hex
11	99–9647	1	Bracket–Support
12	99–9120	1	Gasket–Oil Strainer
13	99–9121	1	Gasket–Oil Pan
14	99–9650	1	Dipstick
15	99–9648	1	Dipstick
16	99–9649	1	Pan–Oil

Ref. No.	Part No.	Qty.	Description

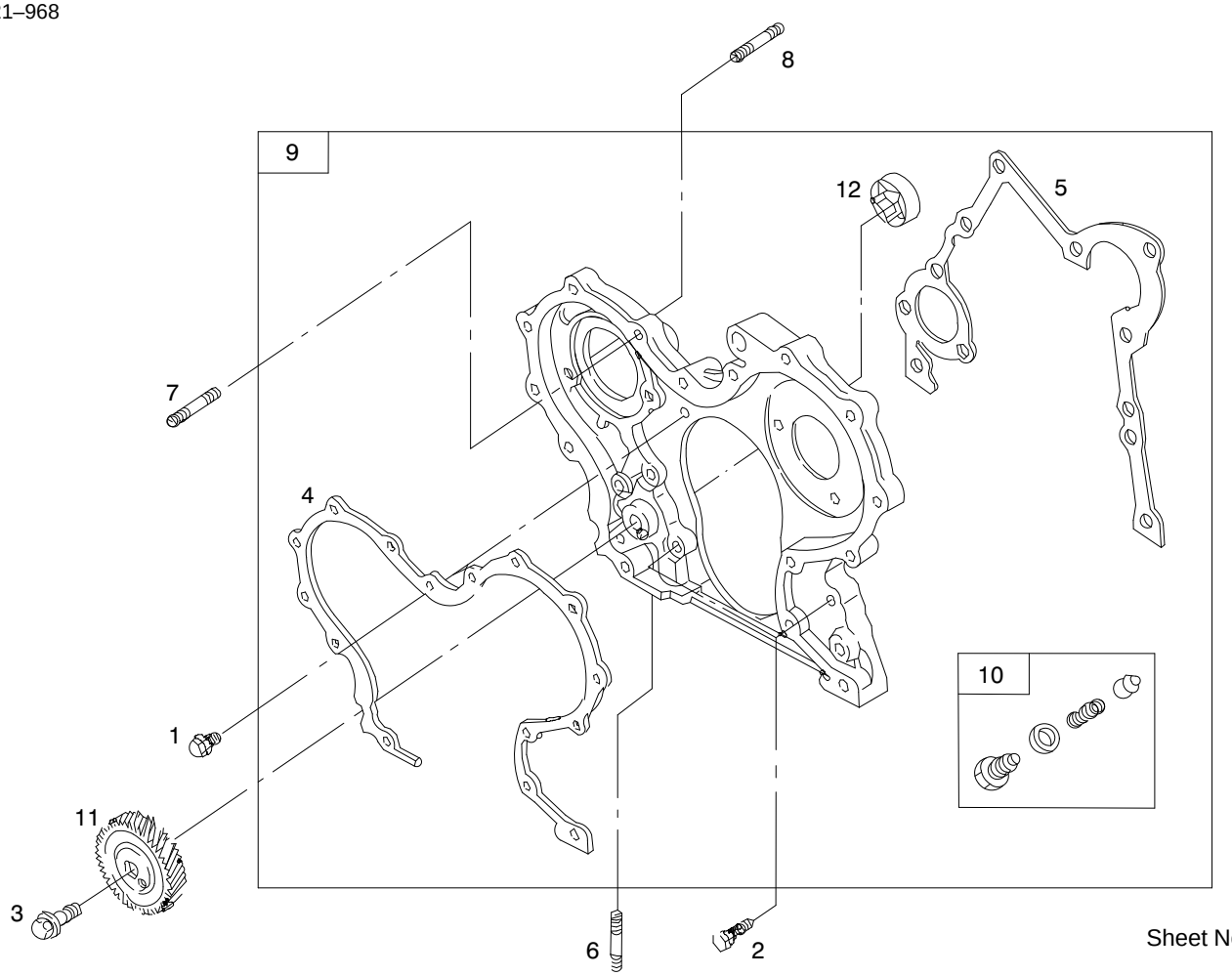


Sheet No.:9a

Engine Assembly (Serial No. 99000001 & Up) (Model 73552)
Engine Assembly (Serial No. 99001001 & Up) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9126	1	Seal–Oil
2	99–9651	2	Screw–6mm Hex
3	99–9128	9	Screw–6mm Hex
4	99–9129	3	Screw–6mm Hex
5	99–9652	1	Cover–Assembly–Gear
6	99–9653	1	Gasket–Gear Cover
7	99–9114	2	Nut–Metric Hex
8	99–9014	1	Pin–Locating

Ref. No.	Part No.	Qty.	Description

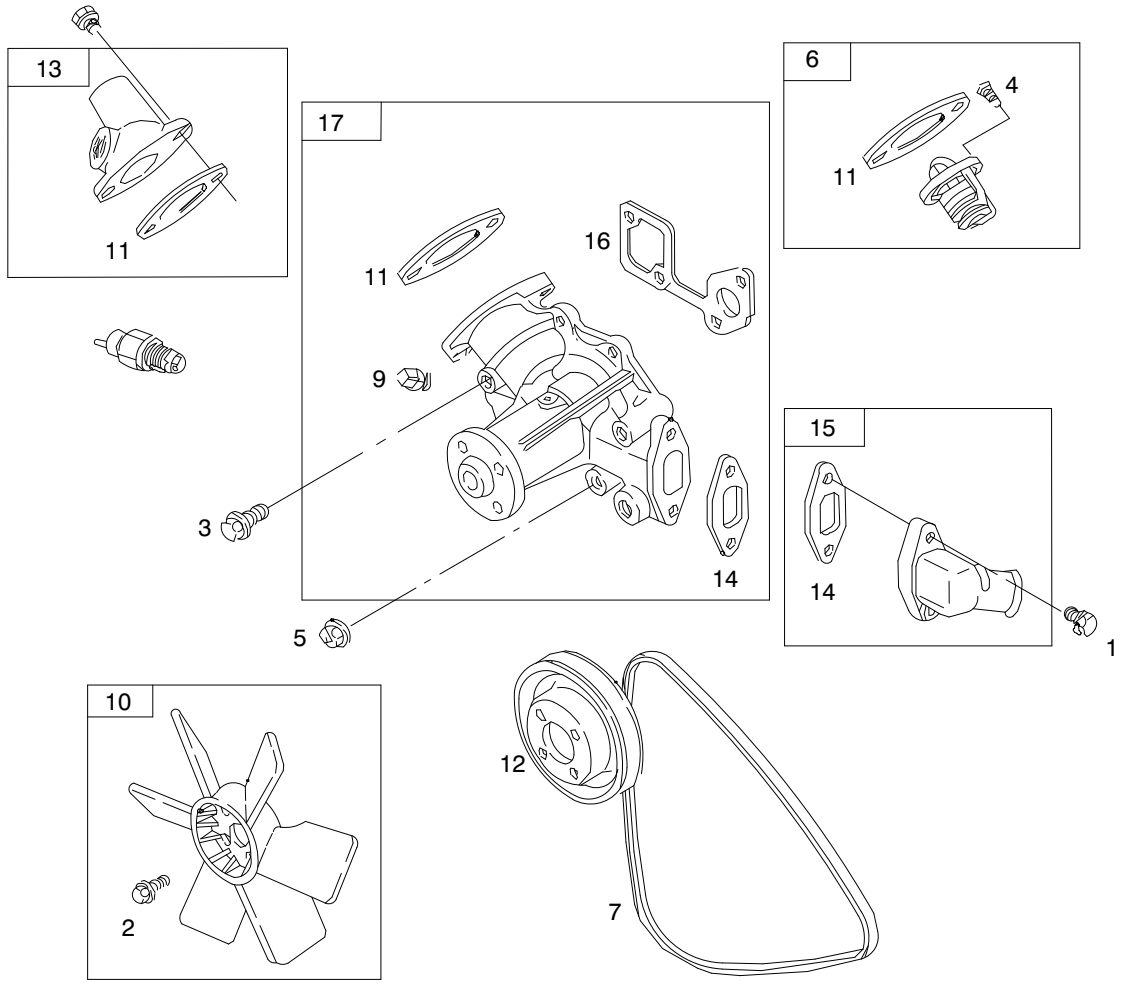


Sheet No.:10a

Engine Assembly (Serial No. 99000001 & Up) (Model 73552)
Engine Assembly (Serial No. 99001001 & Up) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9134	1	Screw–6mm Hex
2	99–9133	4	Screw–6mm Hex
3	99–9135	1	Screw–8mm Hex
4	99–9653	1	Gasket–Gear Cover
5	99–9136	1	Gasket–Gear Cover
6	99–9007	1	Stud–Metric
7	99–9137	2	Stud–Metric
8	99–9654	2	Stud–Metric
9	99–9655	1	Housing–Gear
10	99–9142	1	Valve–Oil Relief
11	99–9656	1	Gear–Drive
12	99–9694	1	Pump–Oil

Ref. No.	Part No.	Qty.	Description



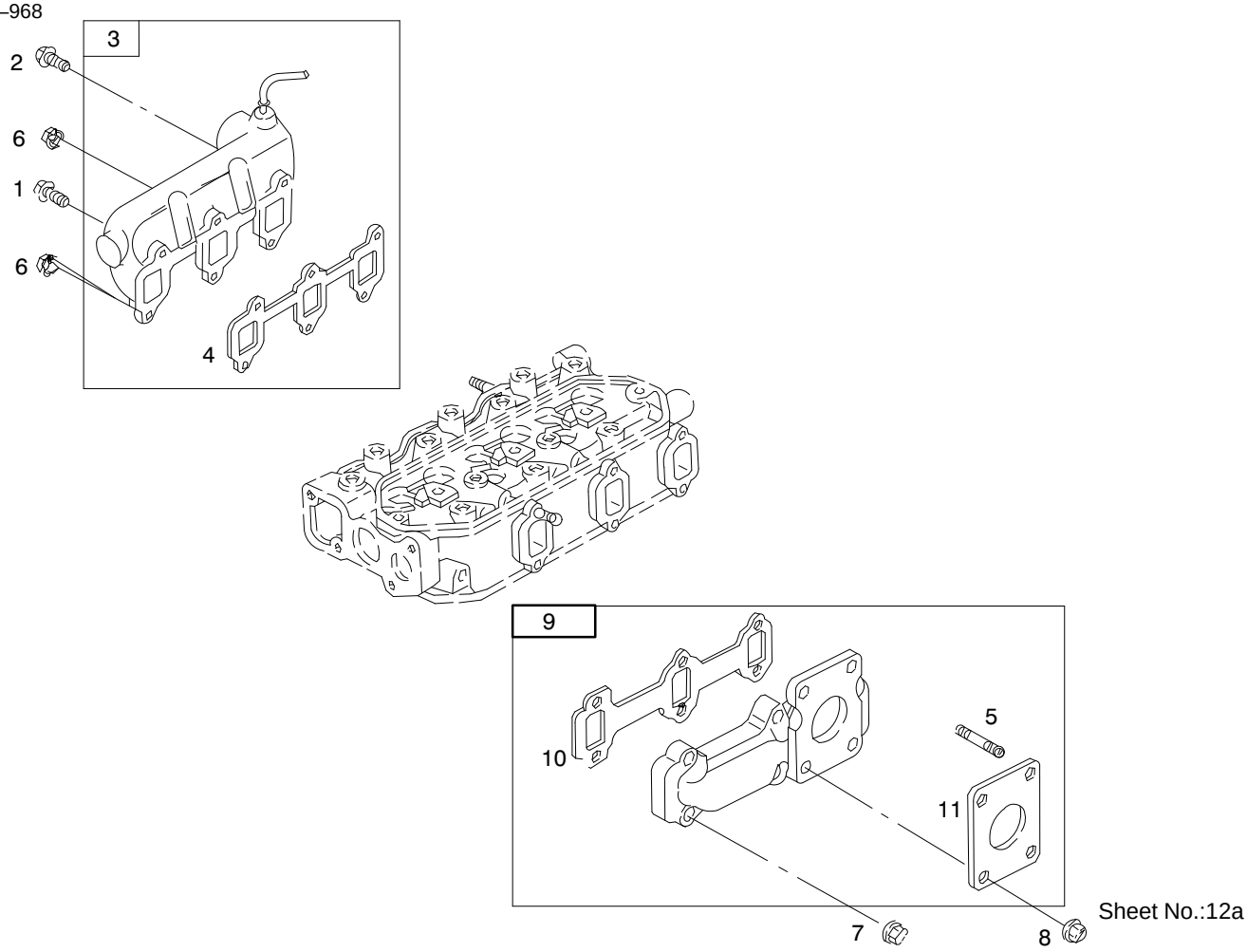
Sheet No.:11a

Engine Assembly (Serial No. 99000001 & Up) (Model 73552)
Engine Assembly (Serial No. 99001001 & Up) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9004	4	Screw–Hex
2	99–9111	4	Screw–6mm Hex
3	99–9151	2	Screw–8mm Hex
4	99–9152	1	Screw–Metric
5	99–9153	1	Nut–Metric Hex
6	99–9155	1	Thermostat
7	99–9156	1	Belt–Vee
8	99–9157	1	Switch–Water Temp.
9	99–9159	1	Plug
10	99–9657	1	Fan–Radiator
11	99–9163	1	Gasket–Outlet
12	99–9164	1	Pulley–Pump
13	99–9658	1	Housing–Outlet
14	99–9166	1	Gasket–Inlet Housing
15	99–9167	1	Housing–Inlet
16	99–9168	1	Gasket–Water Pump
17	99–9659	1	Pump–Water

Ref. No.	Part No.	Qty.	Description

3321–968

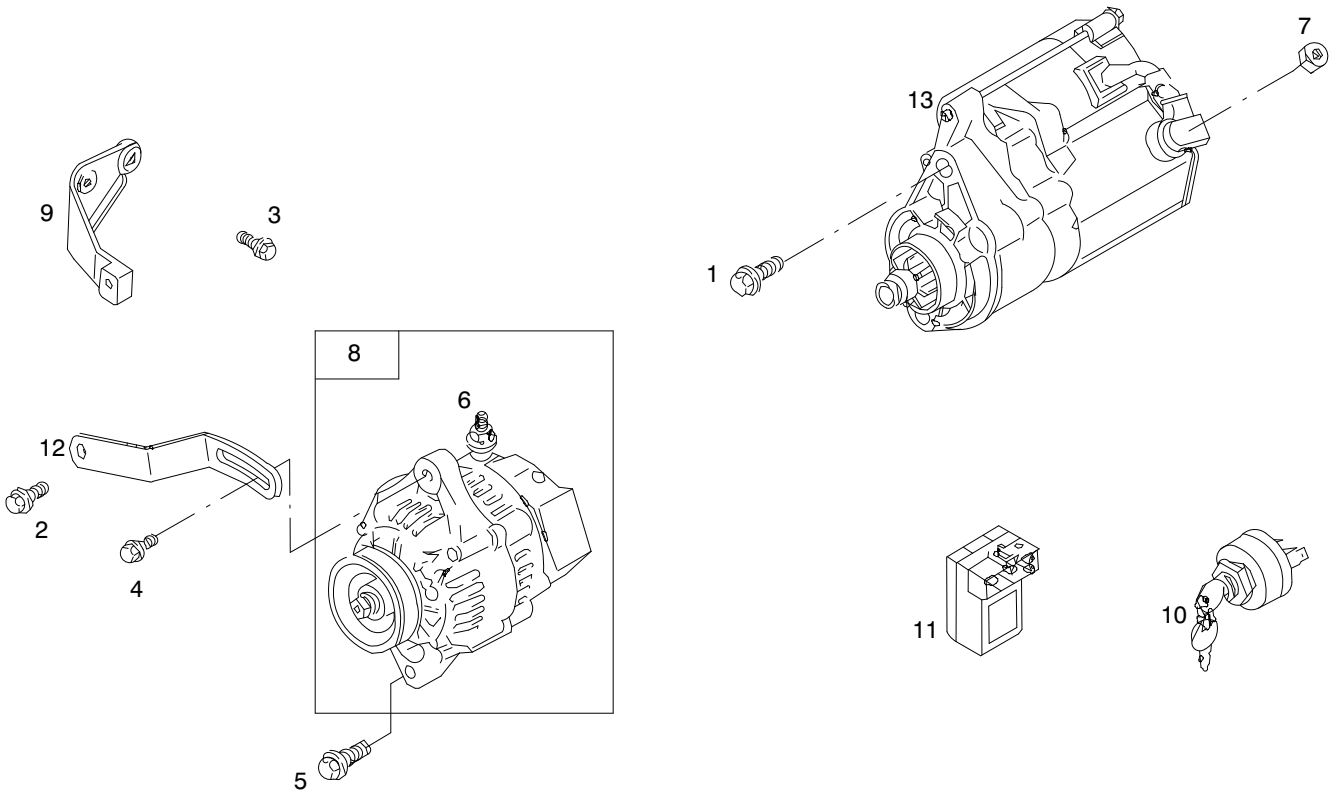


Sheet No.:12a

Engine Assembly (Serial No. 99000001 & Up) (Model 73552)
Engine Assembly (Serial No. 99001001 & Up) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9004	1	Screw–Hex
2	99–9660	3	Screw–6mm Hex
3	99–9661	1	Manifold–Intake
4	99–9662	1	Gasket–Intake
5	99–9174	4	Stud–Exhaust Manifold
6	99–9114	2	Nut–Metric Hex
7	99–9175	6	Nut–Metric Hex
8	99–9176	4	Nut–Metric Hex
9	99–9177	1	Manifold–Exhaust
10	99–9178	1	Gasket–Exhaust
11	99–9179	1	Gasket–Exhaust

Ref. No.	Part No.	Qty.	Description

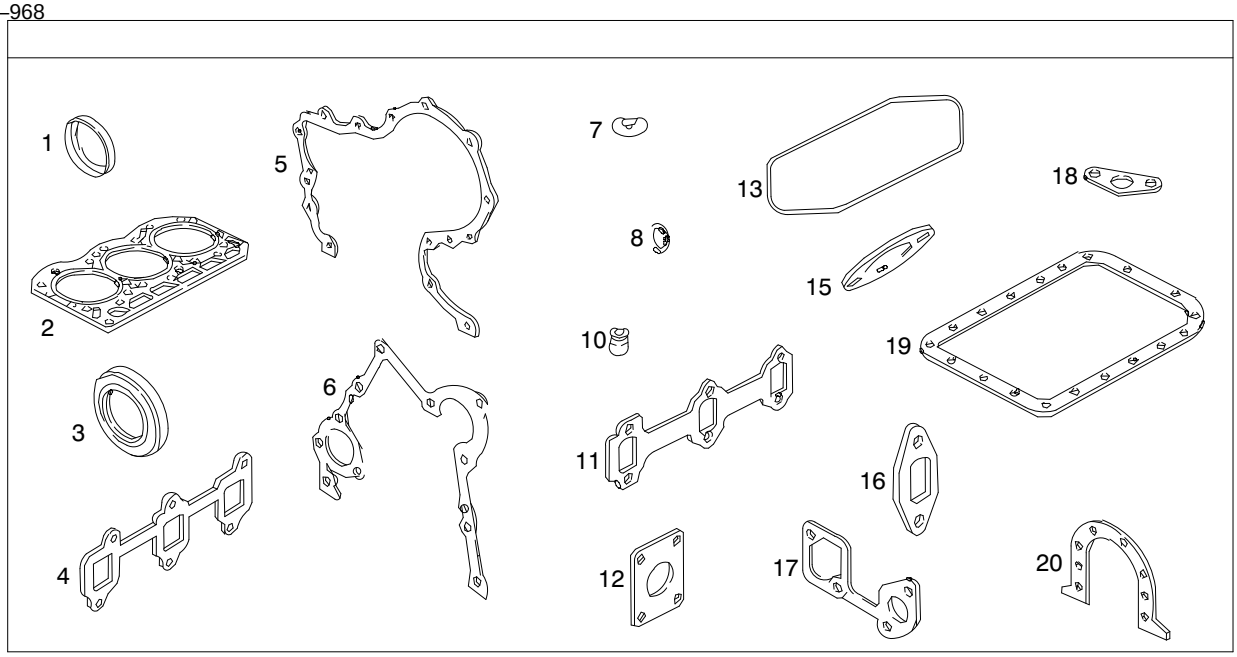


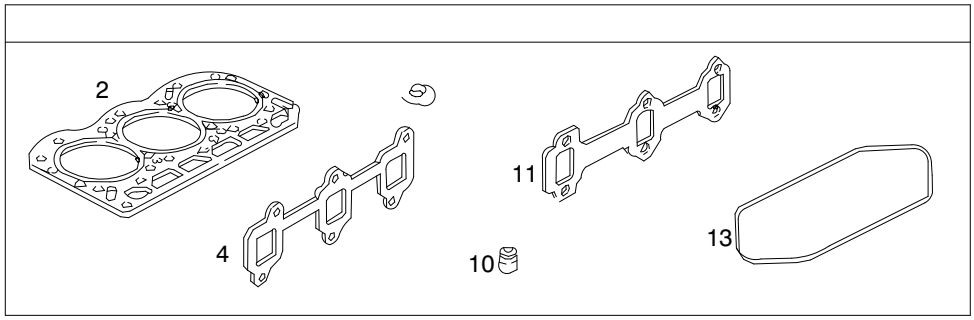
Sheet No.:13a

Engine Assembly (Serial No. 99000001 & Up) (Model 73552)
Engine Assembly (Serial No. 99001001 & Up) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9201	2	Screw–10mm Hex
2	99–9202	1	Screw–8mm Hex
3	99–9203	2	Screw–8mm Hex
4	99–9663	1	Screw–Metric Hex
5	99–9205	1	Screw–Metric Hex
6	99–9114	1	Nut–Metric Hex
7	99–9206	1	Nut–Metric Hex
8	99–9209	1	Alternator
9	99–9211	1	Bracket–Support
10	99–9665	1	Key Switch
11	99–9666	1	Module
12	99–9212	1	Bracket–Adjusting
13	99–9693	1	Motor–Starter

Ref. No.	Part No.	Qty.	Description



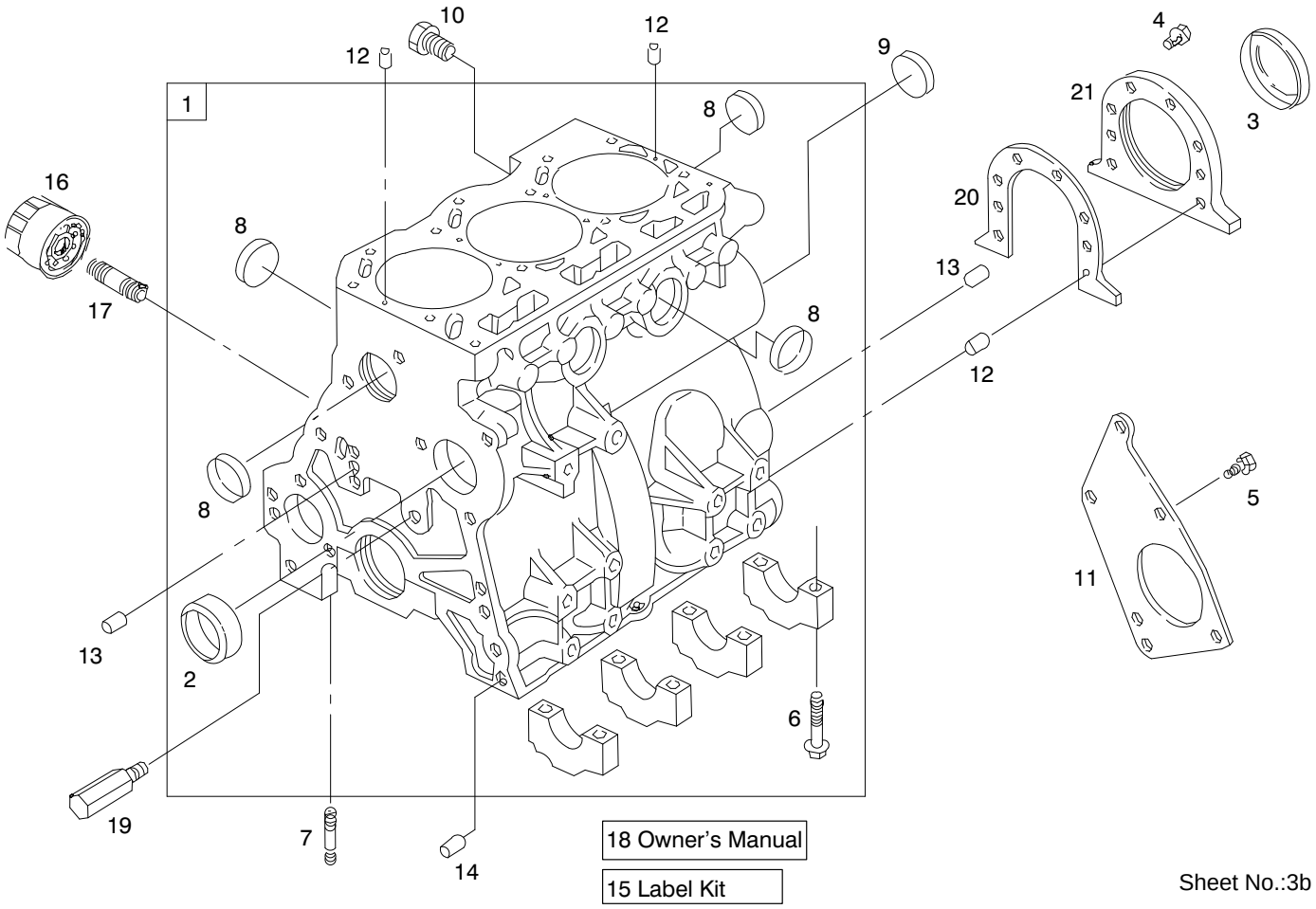


Sheet No.:14a

Engine Assembly (Serial No. 99000001 & Up) (Model 73552)
Engine Assembly (Serial No. 99001001 & Up) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9003	1	Seal–Oil
2	99–9612	1	Gasket–Cylinder Head
3	99–9126	1	Seal–Oil
4	99–9662	1	Gasket–Intake
5	99–9653	1	Gasket–Gear Cover
6	99–9136	1	Gasket–Gear Cover
7	99–9063	1	Washer–Seal
8	99–9645	1	Washer–Seal
9	99–9667	1	Gasket–Set
10	99–9643	1	Seal–Valve
11	99–9178	1	Gasket–Exhaust
12	99–9179	1	Gasket–Exhaust
13	99–9073	1	Gasket–Rocker Cover
14	99–9668	1	Kit–Valve Overhaul
15	99–9163	1	Gasket–Outlet
16	99–9166	1	Gasket–Inlet Housing
17	99–9168	1	Gasket–Water Pump
18	99–9120	1	Gasket–Oil Strainer
19	99–9121	1	Gasket–Oil Pan
20	99–9021	1	Gasket–Retainer

Ref. No.	Part No.	Qty.	Description

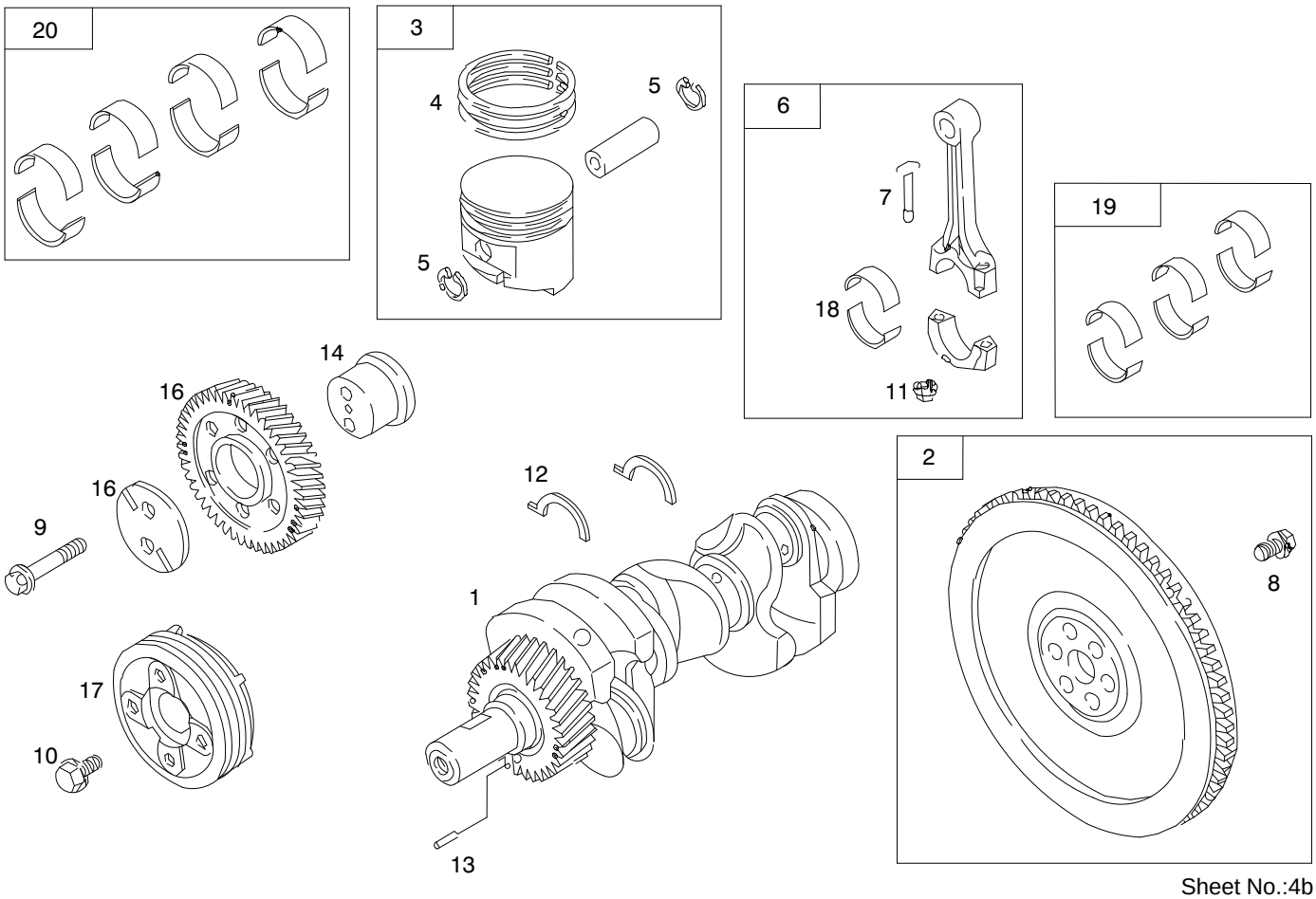


Sheet No.:3b

Engine Assembly (Serial No. 9900001–9900130) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9669	1	Cylinder Assembly
2	99–9002	1	Bushing
3	99–9003	1	Seal–Oil
4	99–9004	6	Screw–Hex
5	99–9005	5	Screw–Hex
6	99–9006	8	Screw–Hex
7	99–9007	1	Stud–Metric
8	99–9008	7	Plug–Welch
9	99–9009	1	Plug–Welch
10	99–9601	1	Plug (Cylinder Block)
11	99–9011	1	Bracket–Mounting
12	99–9012	4	Pin–Locating
13	99–9013	3	Pin–Locating
14	99–9014	2	Pin–Locating
15	99–9015	1	Label Kit
16	99–9017	1	Filter–Oil
17	99–9018	1	Adapter–Oil Filter
18	99–9602	1	Owner's Manual
19	99–9020	1	Nozzle–Oil
20	99–9021	1	Gasket–Retainer
21	99–9022	1	Retainer–Seal

Ref. No.	Part No.	Qty.	Description

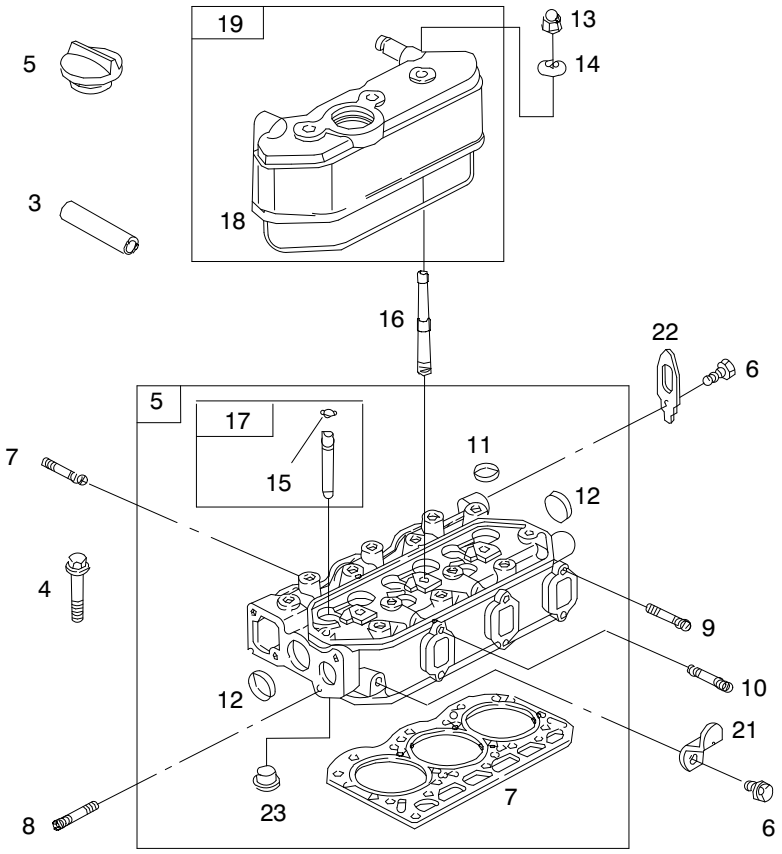


Sheet No.:4b

Engine Assembly (Serial No. 9900001–9900130) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9023	1	Crankshaft
2	99–9671	1	Flywheel
3	99–9672	3	Piston Assembly
4	99–9606	3	Ring Set
5	99–9607	6	Lock–Piston Pin
6	99–9608	3	Rod–Connecting
7	99–9030	6	Screw–Connecting Rod
8	99–9031	6	Screw–10mm Hex
9	99–9032	2	Screw–8mm Hex
10	99–9033	1	Screw–Hex
11	99–9034	6	Nut–Hex
12	99–9035	1	Washer–Thrust
13	99–9037	1	Pin–Locating
14	99–9308	1	Gear–Drive
15	99–9039	1	Shaft–Gear
16	99–9040	1	Plate–Idler Gear
17	99–9692	1	Pully–Crankshaft
18	99–9042	3	Bearing–Rod
19	99–9043	3	Bearing Set–Rod
20	99–9045	1	Bearing Set–Main

Ref. No.	Part No.	Qty.	Description

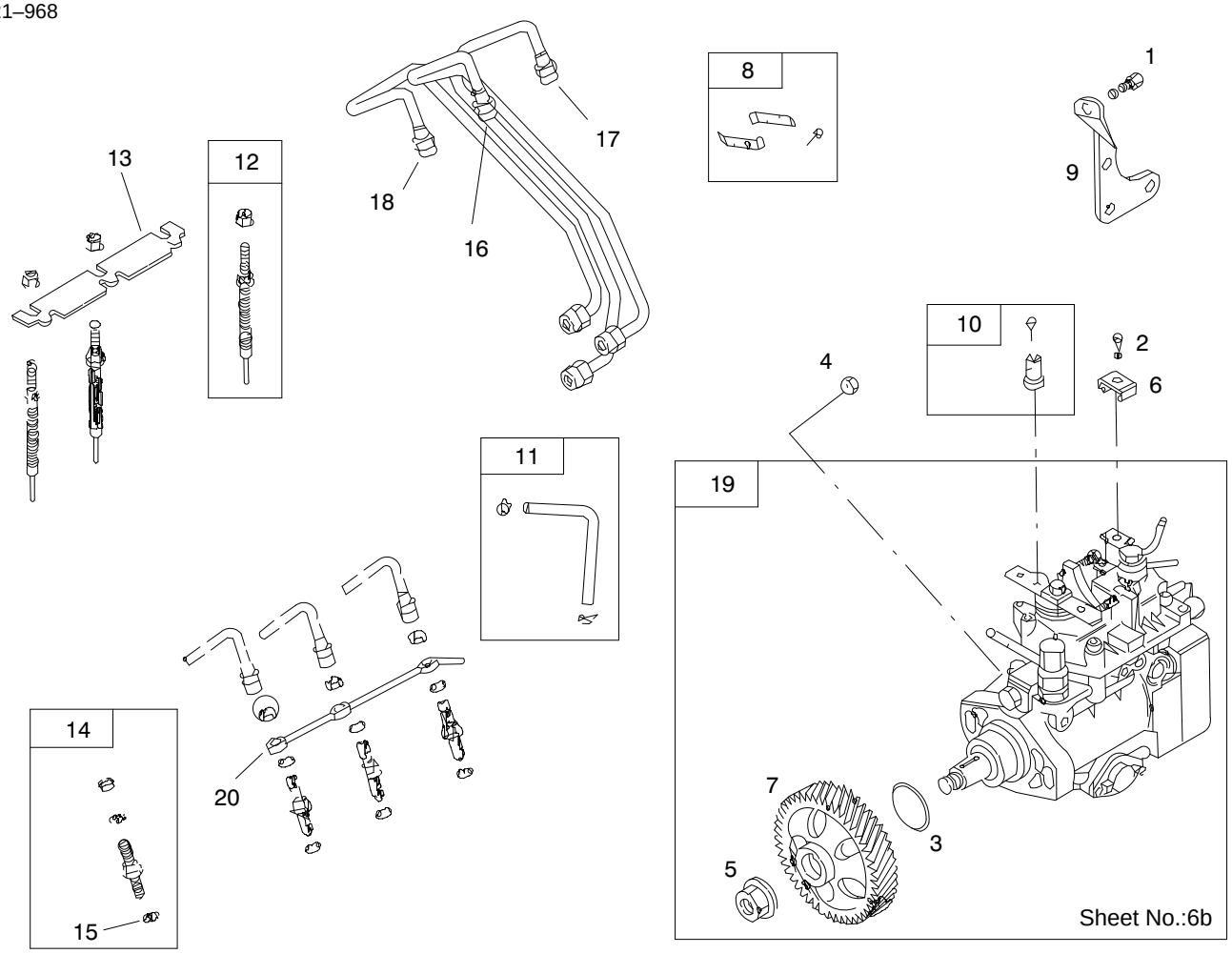


20 Label Kit – Emission

Engine Assembly (Serial No. 9900001–9900130) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9670	1	Head–Cylinder
2	99–9673	1	Gasket–Cylinder Head
3	99–9613	1	Tube–Breather
4	99–9051	14	Screw–Metric
5	99–9052	1	Cap–Oil Fill
6	99–9054	2	Screw–8mm Hex
7	99–9055	2	Stud–Metric
8	99–9057	2	Stud–Metric
9	99–9058	5	Stud–Metric
10	99–9059	1	Stud–Metric
11	99–9008	2	Plug–Welch
12	99–9060	2	Plug–Welch
13	99–9061	3	Nut–Metric Hex
14	99–9063	3	Washer–Seal
15	99–9067	6	Retainer
16	99–9101	3	Stud–Rocker Arm
17	99–9070	6	Bushing–Guide
18	99–9073	1	Gasket–Rocker Cover
19	99–9074	1	Cover–Rocker
20	99–9615	1	Label Kit–Emission
21	99–9076	1	Bracket–Lifting
22	99–9077	1	Bracket–Lifting
23	99–9674	3	Chamber–Combustion

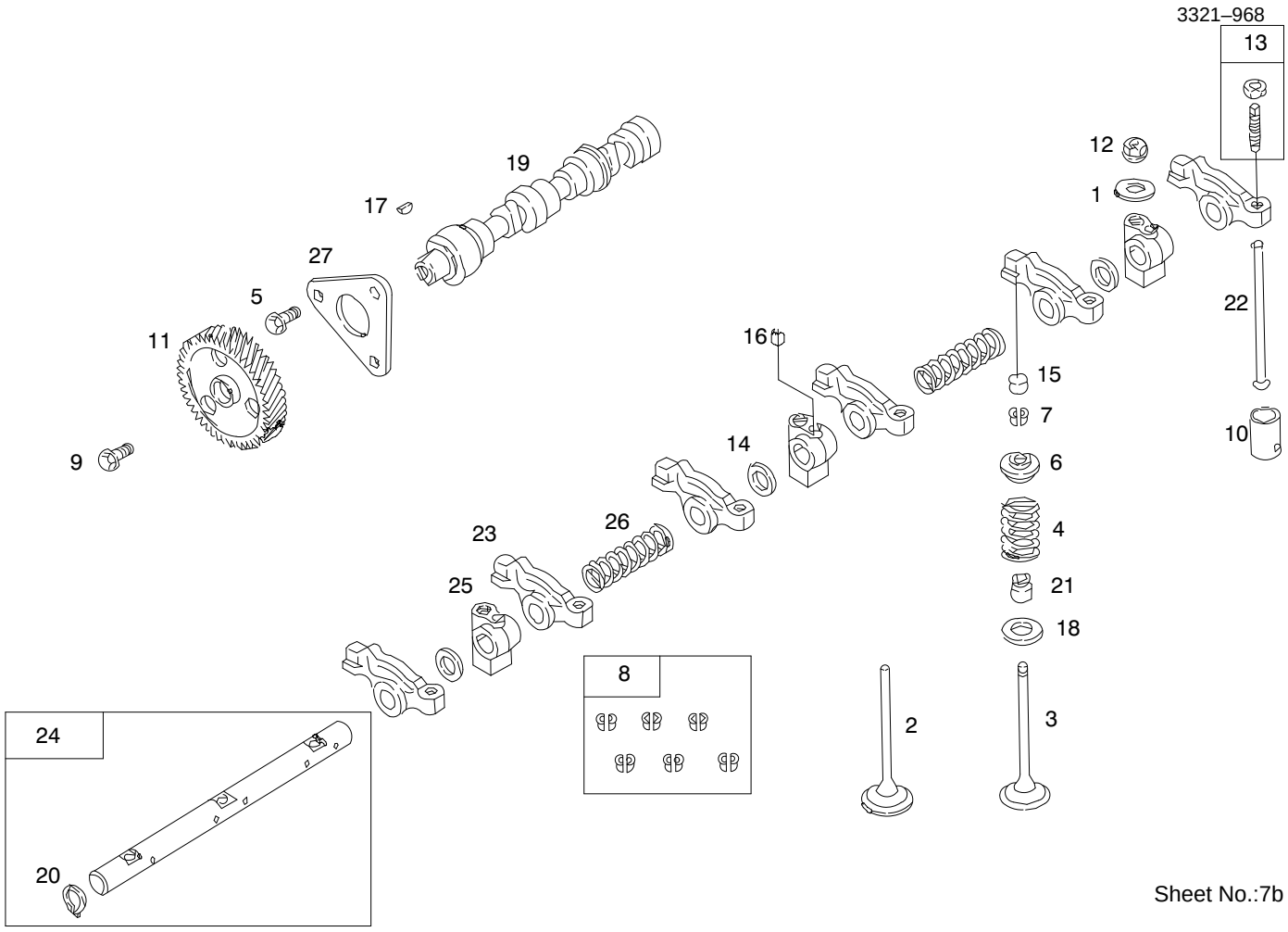
Ref. No.	Part No.	Qty.	Description



Engine Assembly (Serial No. 9900001–9900130) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9616	4	Screw–8mm Hex
2	99–9617	1	Screw–Metric
3	99–9618	1	Seal–O–Ring
4	99–9619	2	Nut–Metric Hex
5	99–9620	1	Nut–Metric Hex
6	99–9688	1	Clamp–Casing
7	99–9689	1	Gear–Drive
8	99–9625	1	Clamp
9	99–9626	1	Bracket–Support
10	99–9628	1	Clamp–Swivel
11	99–9629	1	Hose/Clamp Assembly
12	99–9630	3	Plug–Glow
13	99–9631	1	Strap–Glow Plug
14	99–9632	3	Nozzle–Injector
15	99–9633	1	Seat–Injector
16	99–9634	1	Pipe–Injector #2
17	99–9635	1	Pipe–Injector #3
18	99–9690	1	Pipe–Injector #1
19	99–9691	1	Pump–Injection
20	99–9637	1	Pipe–Fuel Return

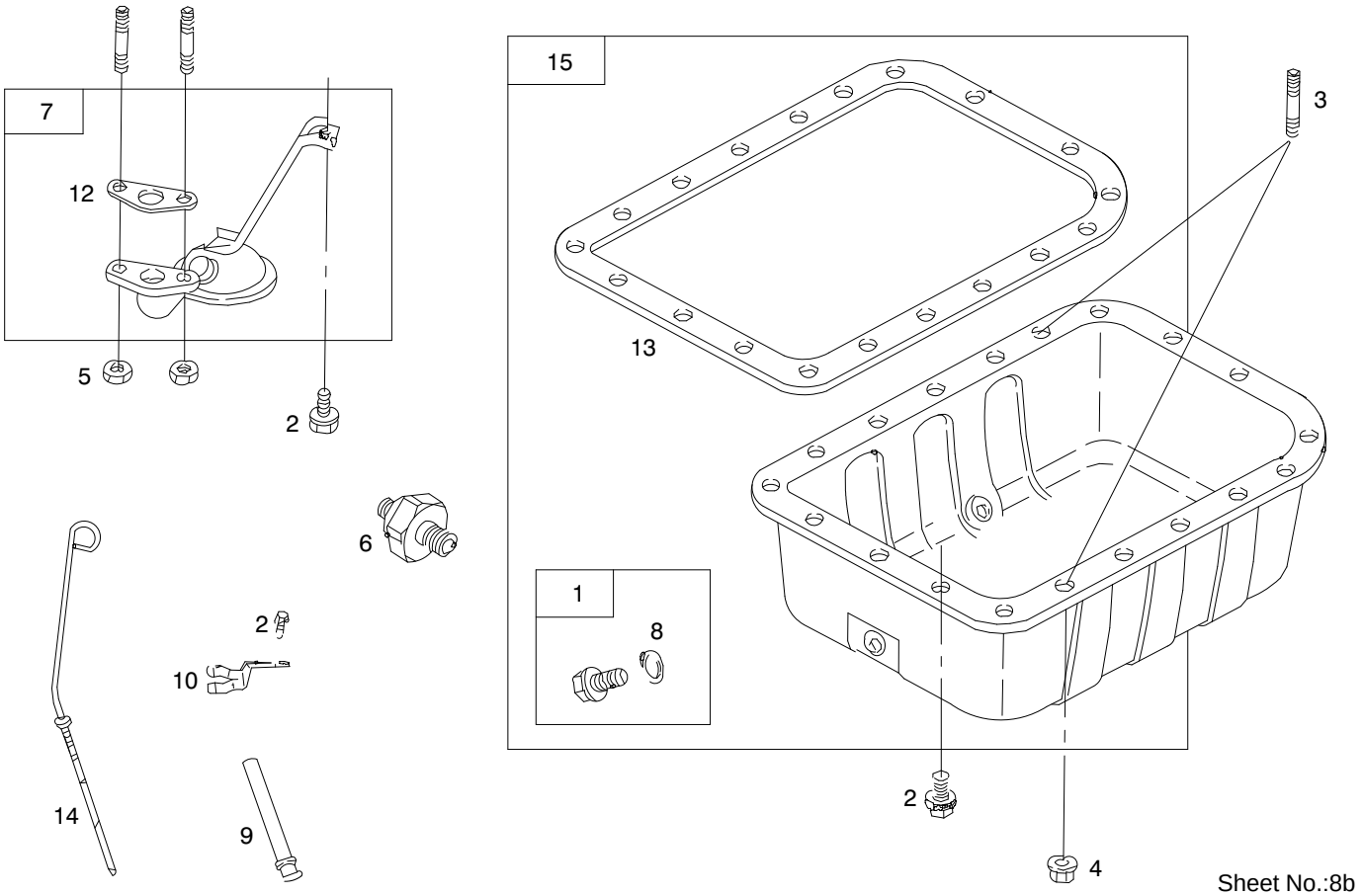
Ref. No.	Part No.	Qty.	Description



Sheet No.:7b

Engine Assembly (Serial No. 9900001–9900130) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9079	3	Washer–Flat
2	99–9638	3	Valve–Exhaust
3	99–9639	3	Valve–Intake
4	99–9640	6	Spring–Valve
5	99–9083	3	Screw–6mm Hex
6	99–9084	6	Retainer–Valve
7	99–9086	1	Keeper–Valve
8	99–9087	6	Keeper–Valve
9	99–9085	1	Screw–Metric
10	99–9088	6	Tappet–Valve
11	99–9089	1	Gear–Cam
12	99–9091	3	Nut–Metric Hex
13	99–9092	6	Adjuster–Rocker Arm
14	99–9093	3	Washer–Spacer
15	99–9094	6	Cap–Valve
16	99–9090	1	Screw–Metric
17	99–9675	1	Key–Timing
18	99–9096	6	Seat–Valve Spring
19	99–9097	1	Shaft–Cam
20	99–9099	2	Retainer
21	99–9643	6	Seal–Valve
22	99–9103	6	Rod–Push
23	99–9104	1	Arm–Rocker
24	99–9106	1	Shaft–Rocker Arm
25	99–9107	3	Support–Rocker Arm
26	99–9108	2	Spring–Rocker Shaft
27	99–9109	1	Retainer–Camshaft

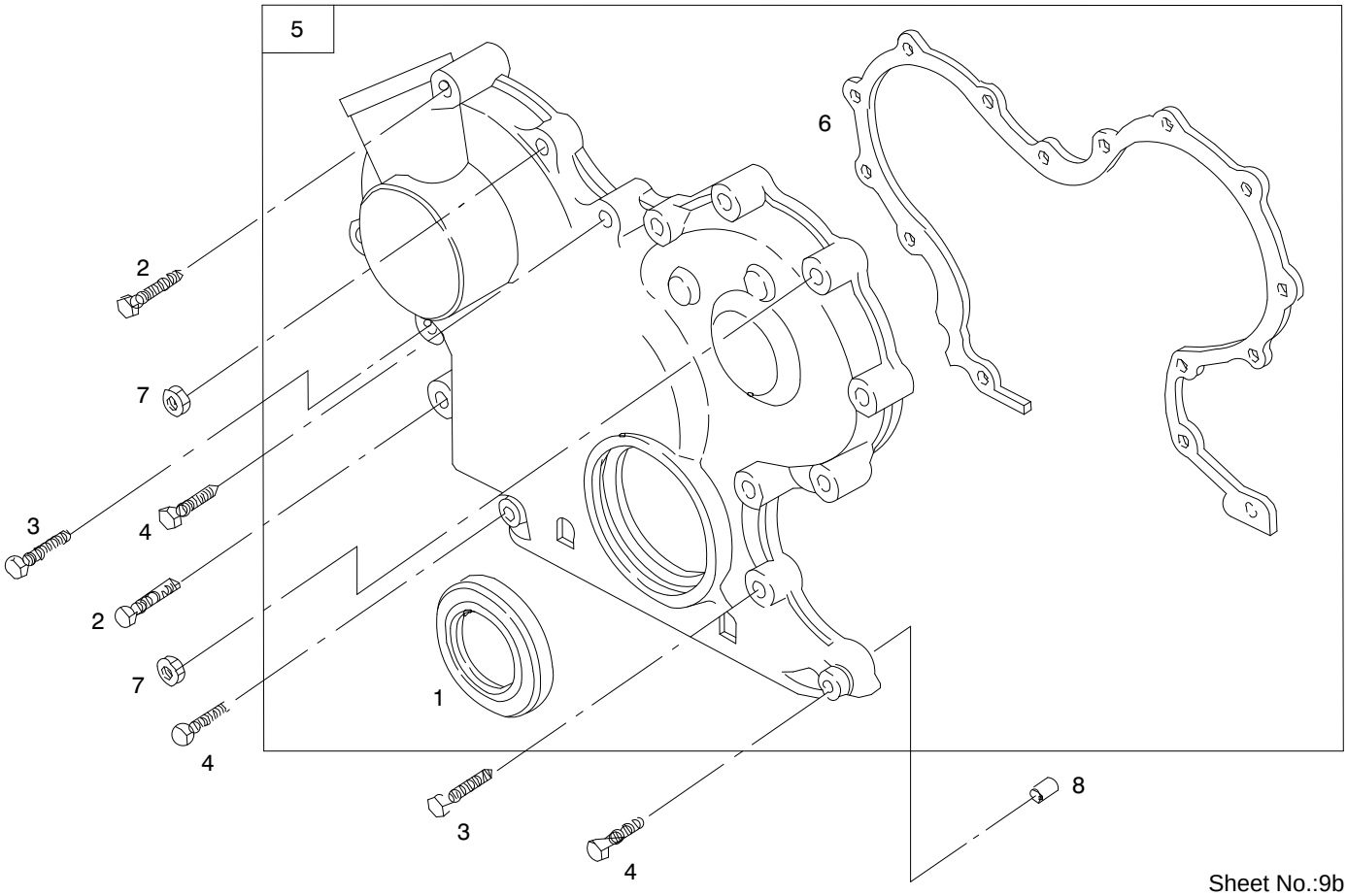


Sheet No.:8b

Engine Assembly (Serial No. 9900001–9900130) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9110	1	Plug–Oil Drain (12mm)
2	99–9111	18	Screw–6mm Hex
3	99–9112	2	Stud–Metric
4	99–9113	2	Nut–Metric Hex
5	99–9114	2	Nut–Metric Hex
6	99–9115	1	Switch–Oil Pressure
7	99–9116	1	Screen–Oil Pump
8	99–9117	1	Washer–Seal (12mm)
9	99–9118	1	Tube–Dipstickx
10	99–9647	1	Bracket–Support
12	99–9120	1	Gasket–Oil Strainer
13	99–9121	1	Gasket–Oil Pan
14	99–9650	1	Dipstick
15	99–9676	1	Pan–Oil

Ref. No.	Part No.	Qty.	Description

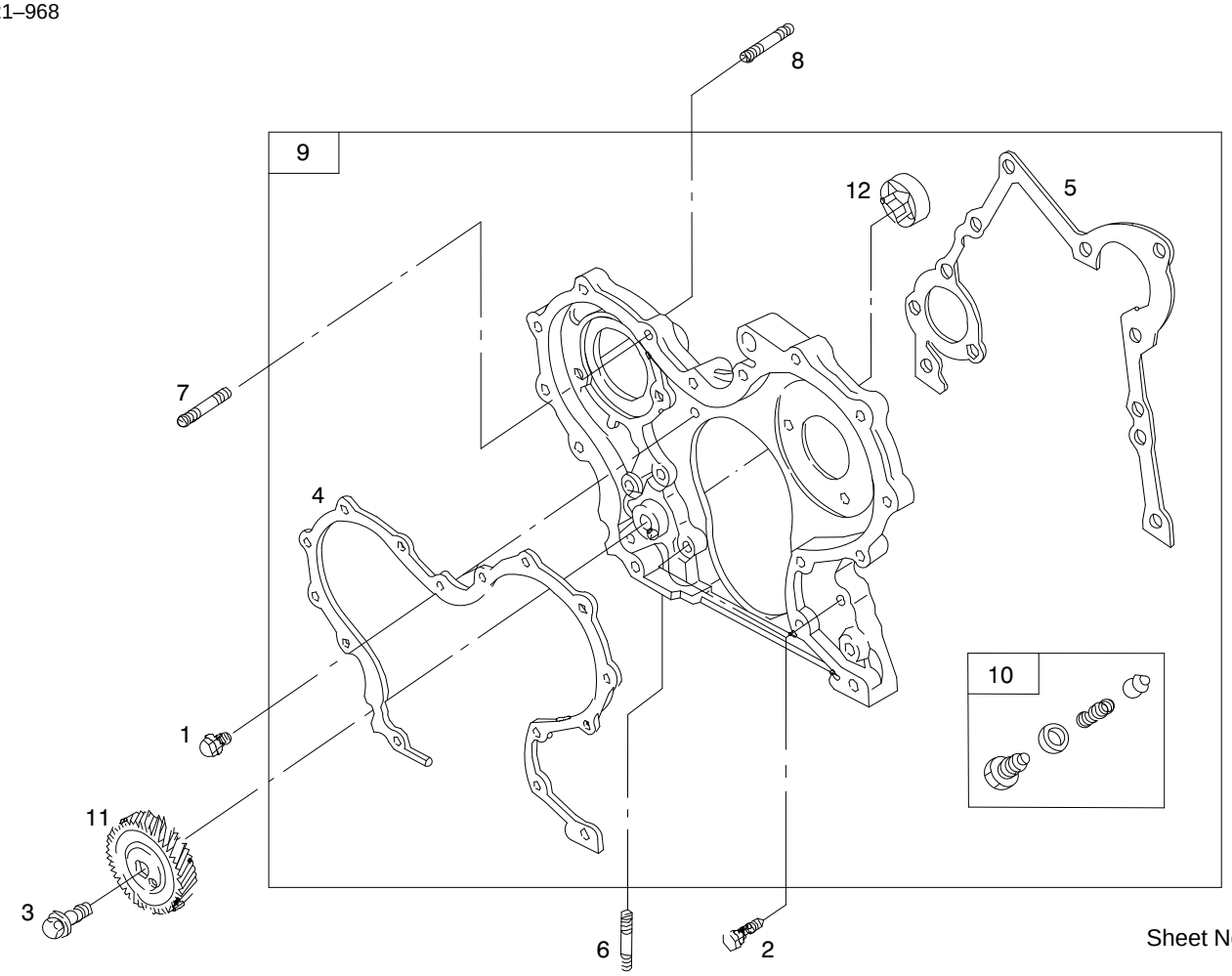


Sheet No.:9b

Engine Assembly (Serial No. 9900001–9900130) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9126	1	Seal–Oil
2	99–9651	2	Screw–6mm Hex
3	99–9128	9	Screw–6mm Hex
4	99–9129	3	Screw–6mm Hex
5	99–9652	1	Cover–Assembly–Gear
6	99–9653	1	Gasket–Gear Cover
7	99–9114	2	Nut–Metric Hex
8	99–9014	1	Pin–Locating

Ref. No.	Part No.	Qty.	Description

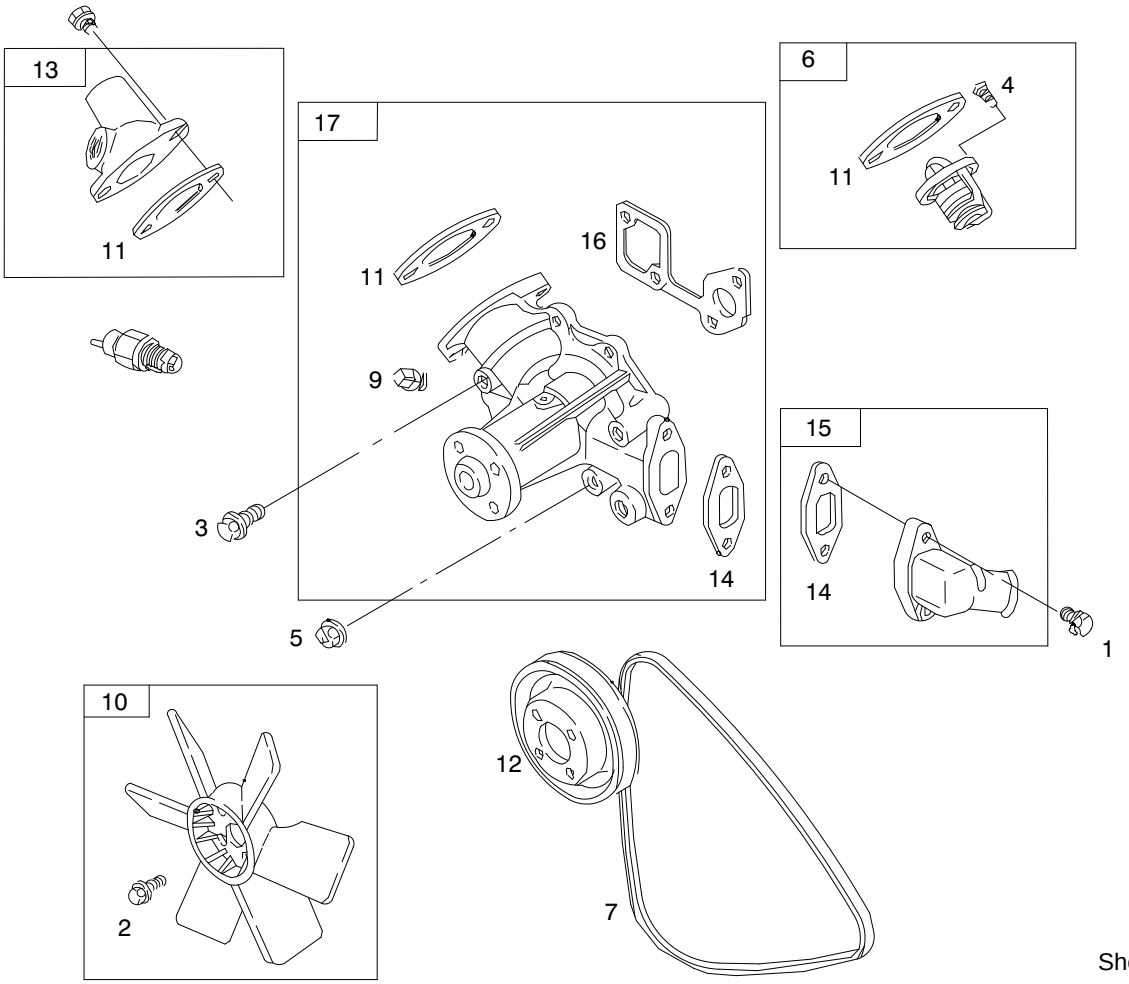


Sheet No.:10b

Engine Assembly (Serial No. 9900001–9900130) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9134	1	Screw–6mm Hex
2	99–9133	4	Screw–6mm Hex
3	99–9135	1	Screw–8mm Hex
4	99–9653	1	Gasket–Gear Cover
5	99–9136	1	Gasket–Gear Cover
6	99–9007	1	Stud–Metric
7	99–9137	2	Stud–Metric
8	99–9654	2	Stud–Metric
9	99–9655	1	Housing–Gear
10	99–9142	1	Valve–Oil Relief
11	99–9148	1	Gear–Drive
12	99–9694	1	Pump–Oil

Ref. No.	Part No.	Qty.	Description

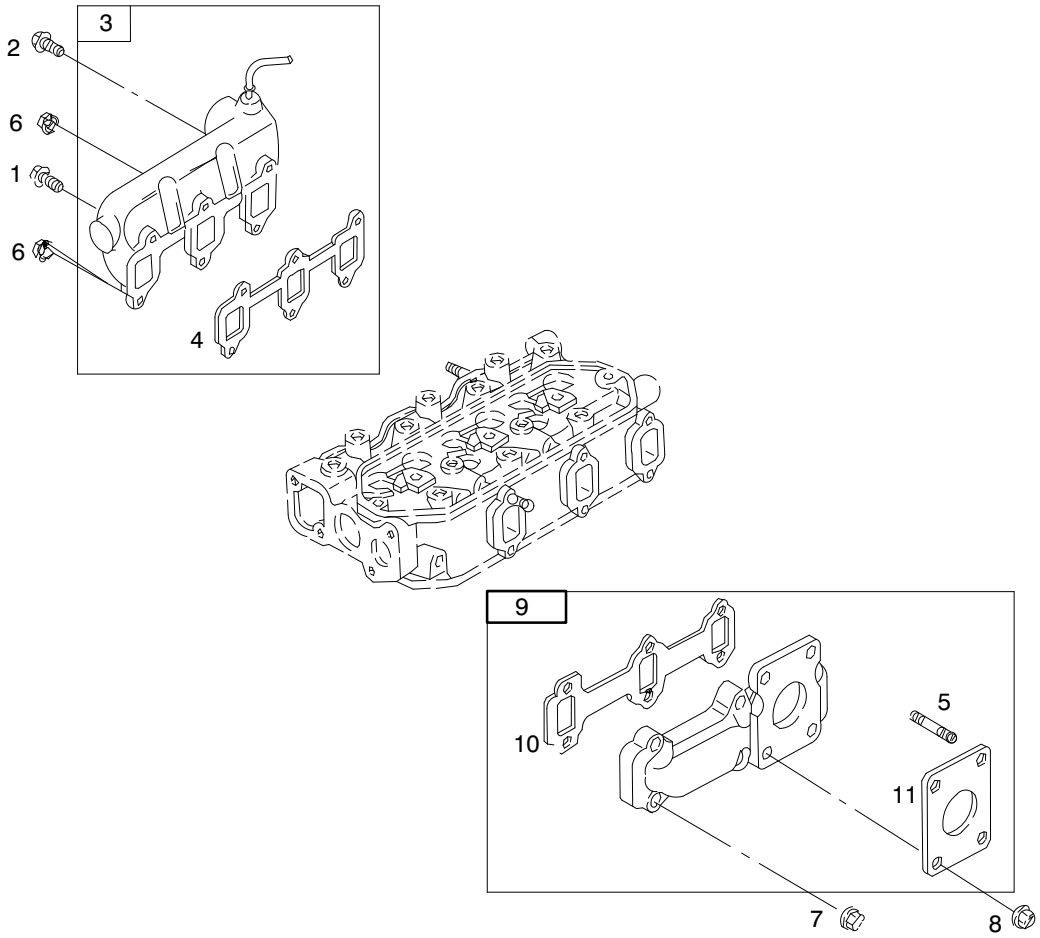


Sheet No.:11b

Engine Assembly (Serial No. 9900001–9900130) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9004	4	Screw–Hex
2	99–9111	4	Screw–6mm Hex
3	99–9151	2	Screw–8mm Hex
4	99–9152	1	Screw–Metric
5	99–9153	1	Nut–Metric Hex
6	99–9155	1	Thermostat
7	99–9156	1	Belt–Vee
8	99–9157	1	Switch–Water Temp.
9	99–9159	1	Plug
10	99–9657	1	Fan–Radiator
11	99–9163	1	Gasket–Outlet
12	99–9164	1	Pulley–Pump
13	99–9658	1	Housing–Outlet
14	99–9166	1	Gasket–Inlet Housing
15	99–9167	1	Housing–Inlet
16	99–9168	1	Gasket–Water Pump
17	99–9659	1	Pump–Water

Ref. No.	Part No.	Qty.	Description

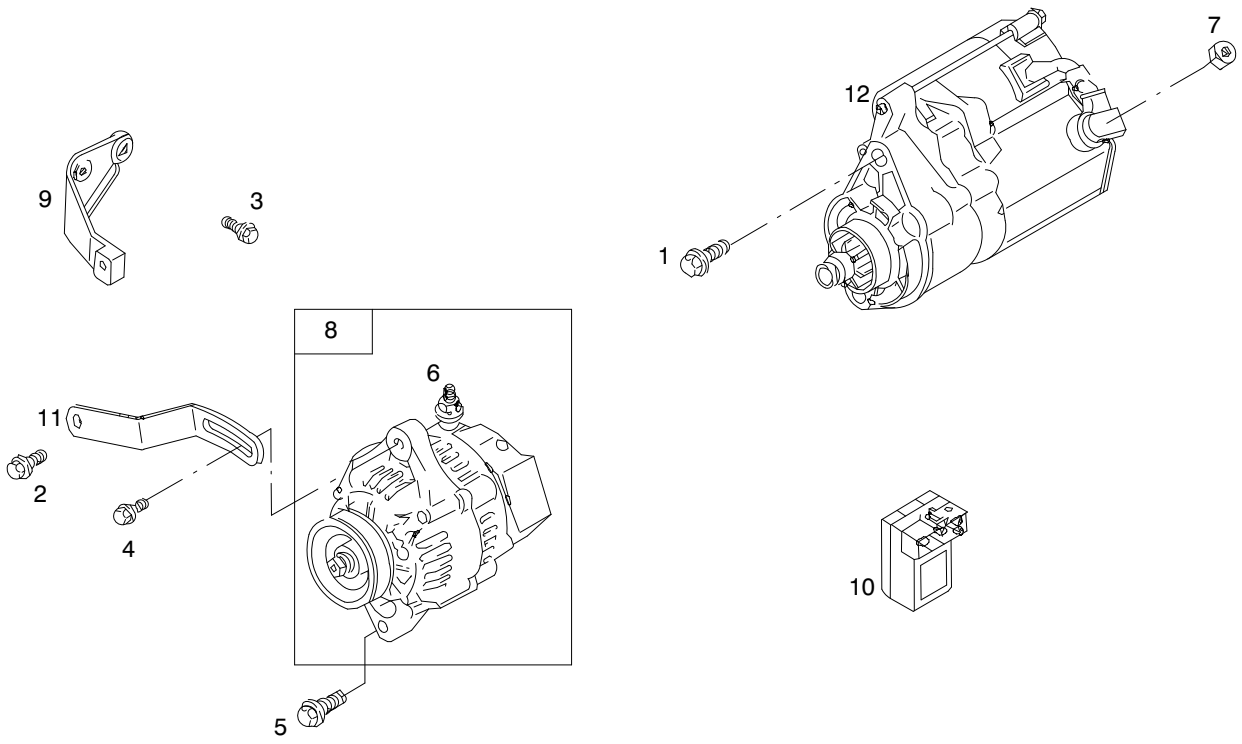


Sheet No.:12b

Engine Assembly (Serial No. 9900001–9900130) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9004	1	Screw–Hex
2	99–9660	3	Screw–6mm Hex
3	99–9661	1	Manifold–Intake
4	99–9662	1	Gasket–Intake
5	99–9677	4	Stud–Exhaust Manifold
6	99–9114	2	Nut–Metric Hex
7	99–9175	6	Nut–Metric Hex
8	99–9176	4	Nut–Metric Hex
9	99–9177	1	Manifold–Exhaust
10	99–9178	1	Gasket–Exhaust
11	99–9179	1	Gasket–Exhaust

Ref. No.	Part No.	Qty.	Description

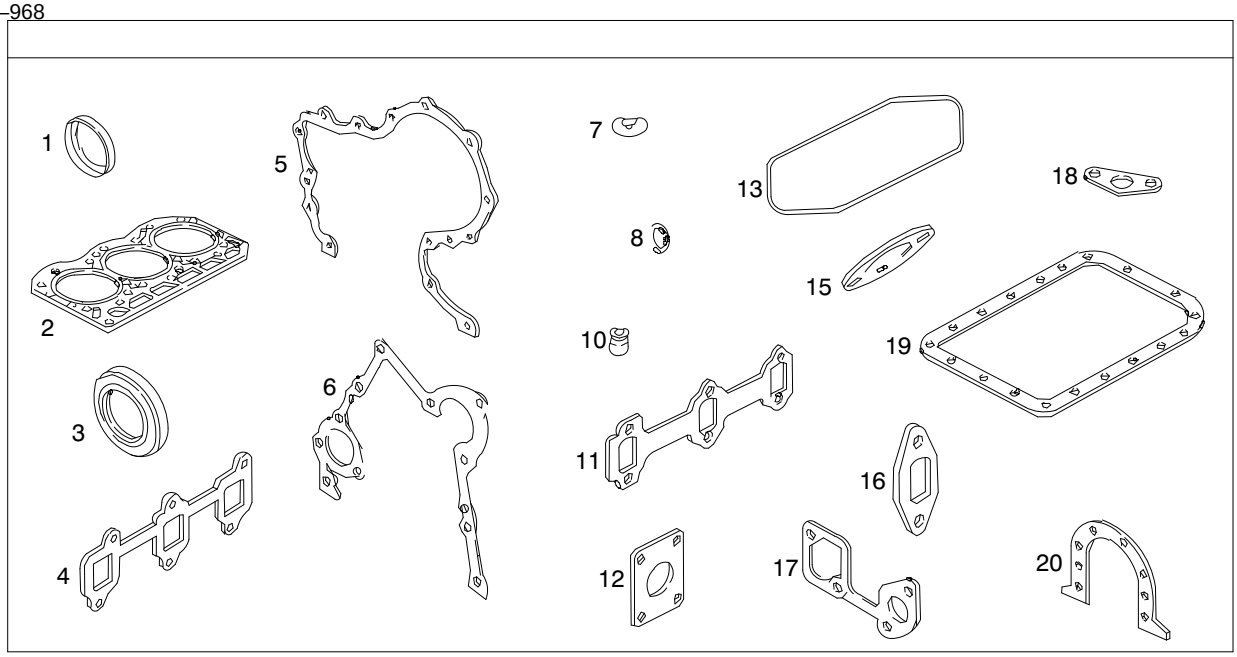


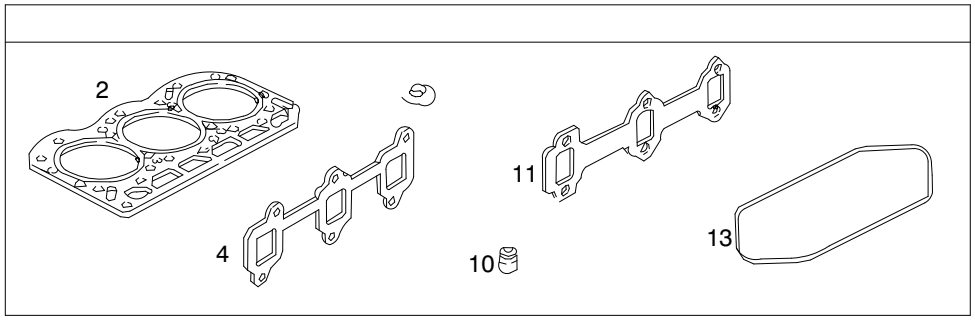
Sheet No.:13b

Engine Assembly (Serial No. 9900001–9900130) (Model 73590)

Ref. No.	Part No.	Qty.	Description
1	99–9201	2	Screw–10mm Hex
2	99–9202	1	Screw–8mm Hex
3	99–9203	2	Screw–8mm Hex
4	99–9204	1	Screw–Metric Hex
5	99–9205	1	Screw–Metric Hex
6	99–9114	1	Nut–Metric Hex
7	99–9206	1	Nut–Metric Hex
8	99–9209	1	Alternator
9	99–9211	1	Bracket–Support
10	99–9666	1	Module
11	99–9212	1	Bracket–Adjusting
12	99–9693	1	Motor–Starter

Ref. No.	Part No.	Qty.	Description





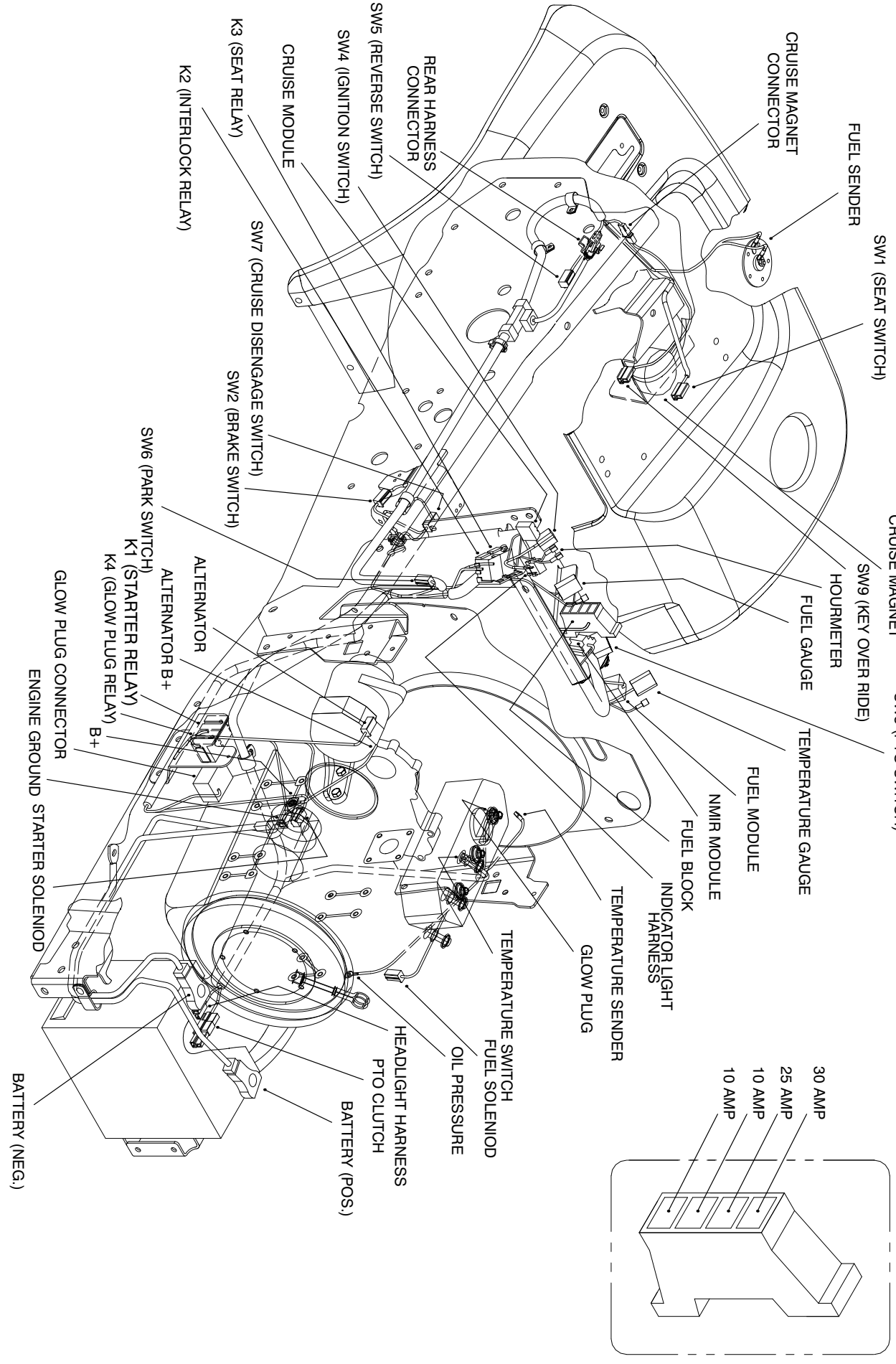
Sheet No.:14b

Engine Assembly (Serial No. 9900001–9900130) (Model 73590)

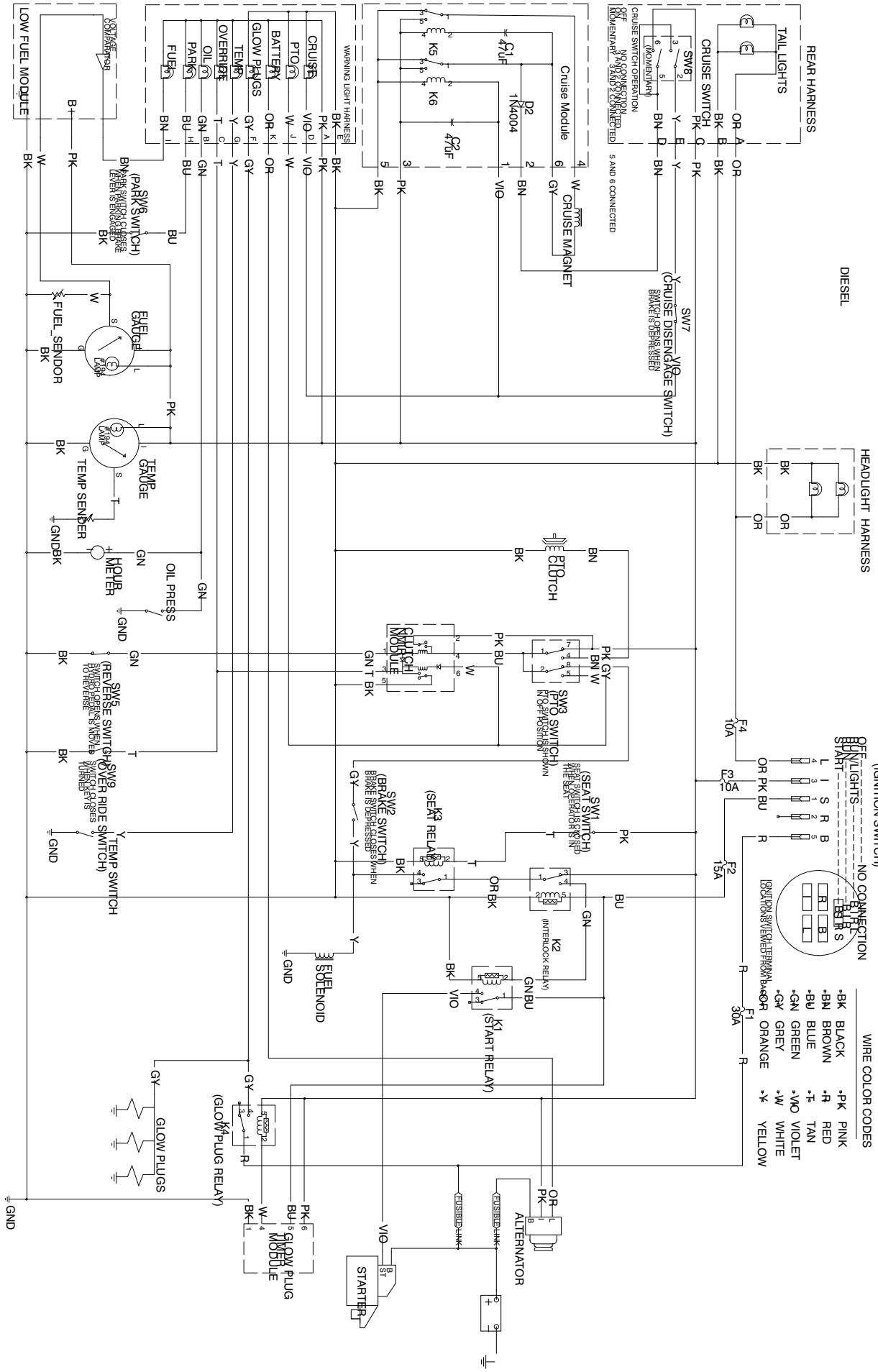
Ref. No.	Part No.	Qty.	Description
1	99–9003	1	Seal–Oil
2	99–9673	1	Gasket–Cylinder Head
3	99–9126	1	Seal–Oil
4	99–9662	1	Gasket–Intake
5	99–9653	1	Gasket–Gear Cover
6	99–9136	1	Gasket–Gear Cover
7	99–9063	1	Washer–Seal
8	99–9645	1	Washer–Seal
9	99–9678	1	Gasket–Set
10	99–9643	1	Seal–Valve
11	99–9178	1	Gasket–Exhaust
12	99–9179	1	Gasket–Exhaust
13	99–9073	1	Gasket–Rocker Cover
14	99–9679	1	Kit–Valve Overhaul
15	99–9163	1	Gasket–Outlet
16	99–9166	1	Gasket–Inlet Housing
17	99–9168	1	Gasket–Water Pump
18	99–9120	1	Gasket–Oil Strainer
19	99–9121	1	Gasket–Oil Pan
20	99–9021	1	Gasket–retainer

Ref. No.	Part No.	Qty.	Description

Electrical Wiring Diagram



Electrical Schematic



MAINTENANCE RECORD

Date								

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