



Wheel Horse[®]

523Dxi Garden Tractor

523Dxi Euro Garden Tractor

Model No. 73552–200000001 and Up

Model No. 73590–200000001 and Up

Parts Catalog

Ordering Replacement Parts

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

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form **a:b**. The **a** represents the reference number of the entire service assembly and the **b** represents a sequential number unique to each part within the service assembly.

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

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

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form **nX y**. The **n** represents the quantity of the part, the **X** is the multiplication symbol, and the **y** represents the reference number.

For example, in an illustration, the reference number **2X 37** means that two of the parts identified by reference number **37** are indicated.

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Accessories

Description	Model / Part No.
42" Rear Discharge Mower (Model No. 73552 Only)	Model No. 78353
42" Rear Discharge Low Cut Mower (Model No. 73590 Only)	Model No. 78442
44" Side Discharge Mower (Model No. 73553 Only)	Model No. 78357
44" Side Discharge Low Cut Mower (Model No. 73590 Only)	Model No. 78444
48" Side Discharge Mower (Model No. 73552 Only)	Model No. 78363
48" Side Discharge Low Cut Mower (Model No. 73590 Only)	Model No. 78448
52" Side Discharge Mower (Model No. 73552 Only)	Model No. 78370

Description	Model / Part No.
52" Side Discharge Low Cut Mower (Model No. 73590 Only)	Model No. 78452
60" Side Discharge Mower (Model No. 73552 Only)	Model No. 78395
60" Side Discharge Low Cut Mower (Model No. 73590 Only)	Model No. 78469
36" Tiller*	Model No. 79375
50" Grader Blade*	Model No. 79356
42" Single Stage Snowthrower**	Model No. 79365
44" Two–Stage Snowthrower**	Model No. 79366
48" Snow/Dozer Blade**	Model No. 79355

Note: * Requires 98–8703

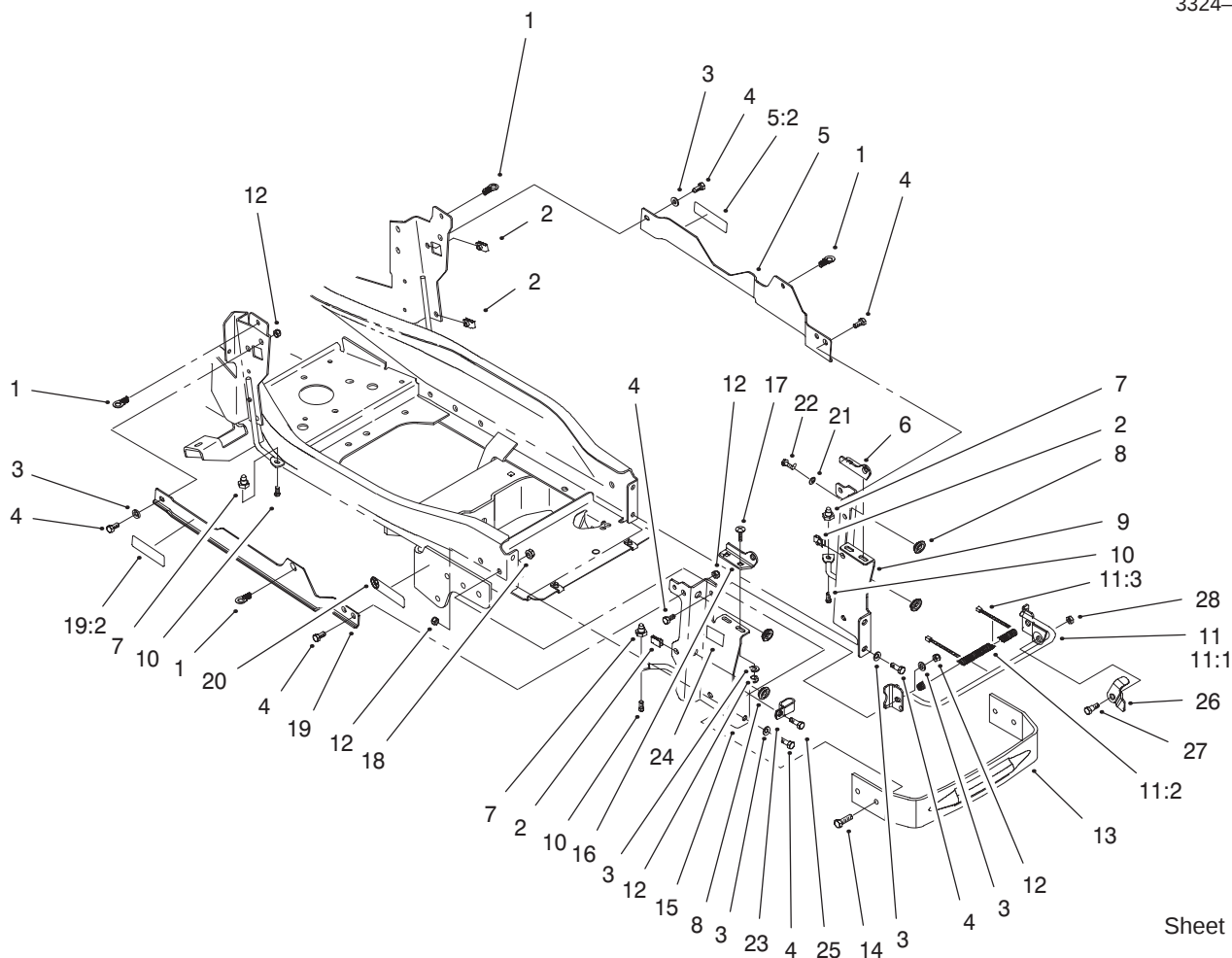
** Requires 81115

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning
ASM	assembly
CARR	carriage
DEG	degrees
FH	flat head
GA	gauge
HF	hex flange
AR	as required
HH	hex head
HHF	hex head flange
HLH	hex lag head
HJ	hex jam
HOC	height-of-cut
HS	hex socket
HSBH	hex socket button head
HSFH	hex socket flat head
HSH	hex socket head
HWH	hex washer head
HWHTF	hex washer head thread forming

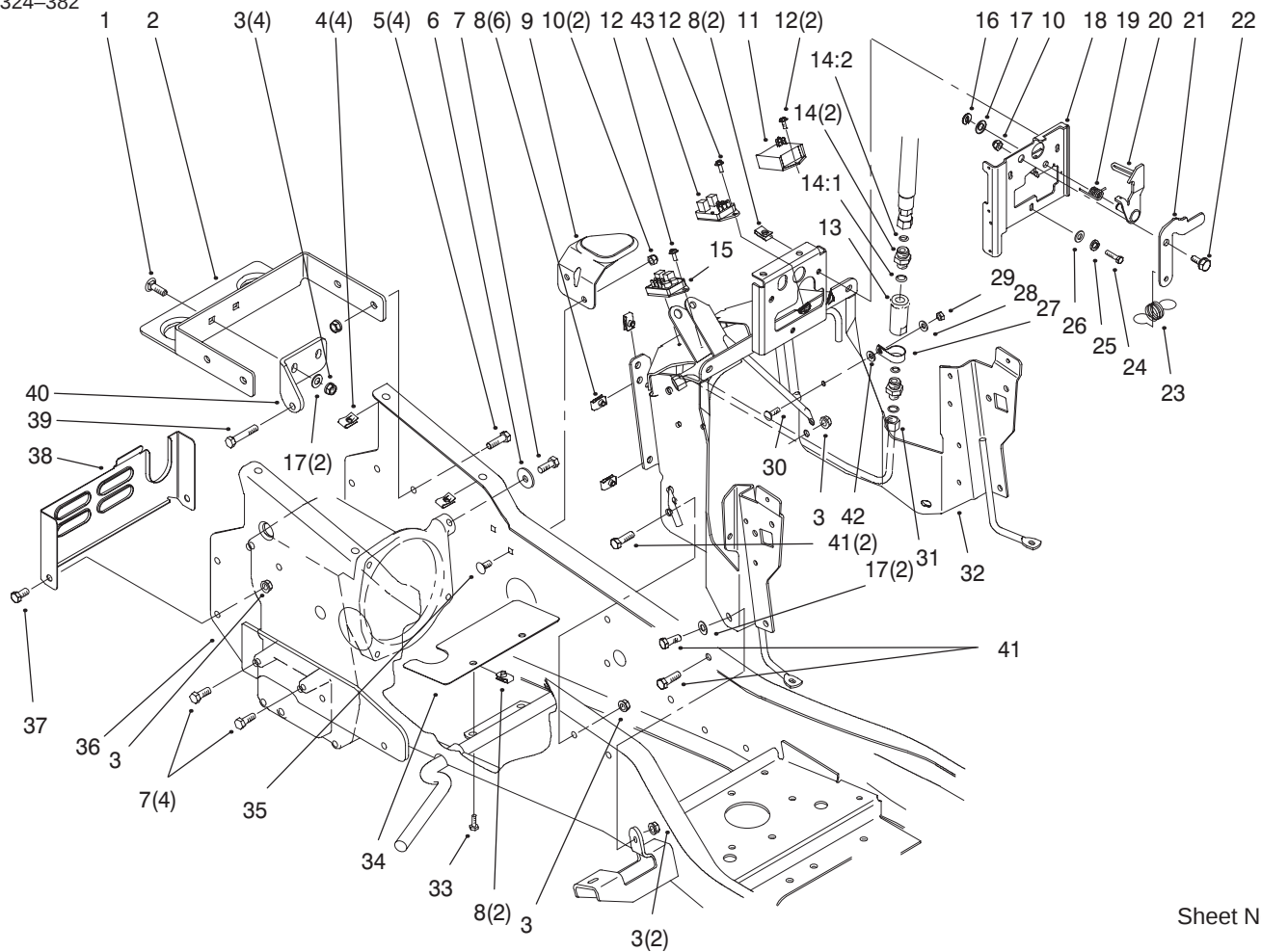
Abbreviation	Meaning
INC	incorporated
LH	left hand
NI	nylon insert
PPH	Phillips pan head
PTH	Phillips truss head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SHH	slotted hex head
SQH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
SRH	slotted round head
STD	standard
TAP	self tapping
TTH	Torx truss head
WH	wing head



Sheet No.:3

Bumper & Hood Support Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	95-4013	4	Assembly-Latch	14	323-7	4	Screw-HH
2	107069	6	Clip	15	95-4081-03	1	Wa-Hood Sprrt RH
3	3256-23	12	Washer-Flat	16	98-9027-03	1	Brkt-Hinge Lower RH
4	322-3	11	Screw-HH	17	3230-16	4	Screw-HH
5	98-5070	1	ASM - Support w/Decal (only on: 73590)	18	3296-39	4	Nut-Lock, NI
5	98-5064	1	ASM - Support w/Decal (only on: 73552)	19	99-5345	1	ASM-Support/Decal (only on: 73552)
5:2	98-5015	1	Decal - Warning (only on: 73590)	19	99-5344	1	ASM Support/Decal (only on: 73590)
5:2	98-5014	1	Decal - Warning (only on: 73552)	19:2	98-5014	1	Decal - Warning (only on: 73552)
6	98-9026-03	1	Brkt-Hinge Lower LH	19:2	98-5015	1	Decal - Warning (only on: 73590)
7	95-3989	4	Mount-Sidepanel	20	92-8747	2	Decal Attach-A-Matic
8	94-7910	4	Grommet	21	3256-61	2	Washer-Flat (only on: 73590)
9	95-4082-03	1	Wa-Hood Sprrt LH	22	32144-42	2	Screw-Selftap (only on: 73590)
10	46-8093	4	Screw-Plastite	23	98-1617	1	Clamp-Tube
11	99-5305	1	Support-Hood ASM	24	93-8069	2	Decal-Surface, Hot
11:1	98-9017-03	1	Hood Support Brace W.a.	25	322-5	1	Screw-HH
11:2	95-4258	1	Cover - Brace	26	98-9015	1	Lever - Hood Prop
11:3	614249	2	Tie Strap	27	37-8771	1	Bolt-Shoulder
12	3296-29	16	Nut-Lock, NI	28	3296-47	1	Nut-Lock, NI
13	94-2308-03	1	Bumper - Frame				

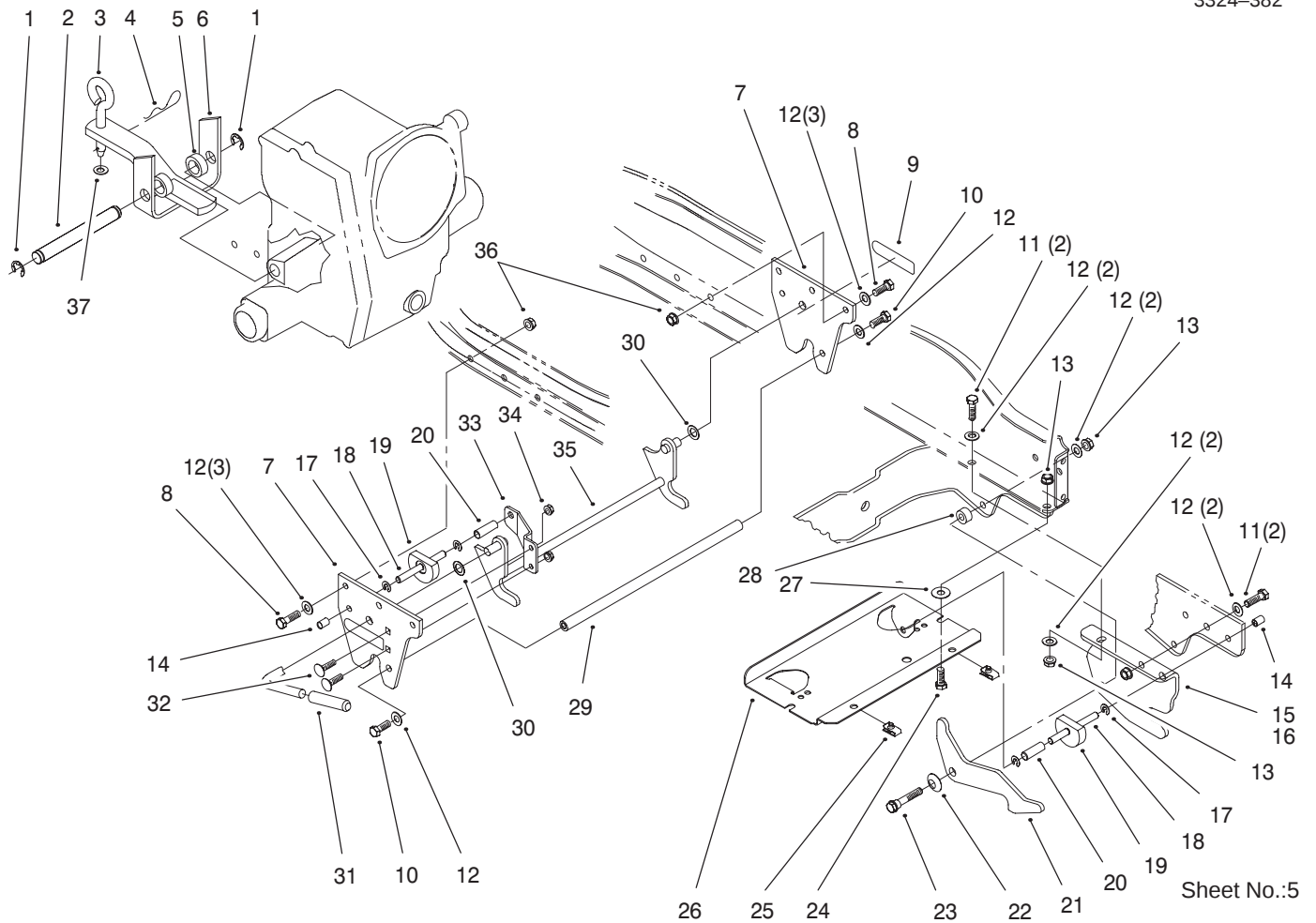


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Steering Tower & Fuel Tank Supports Assembly

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
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	Ring-Retaining
17	3256-24	5	Washer-Flat
18	95-3892-03	1	Bracket - Latch
19	95-4165	1	Spring - Latch Lever
20	95-3899	1	Wa - Latch Lever
21	95-3900	1	Latch - Tension Lever
22	37-8771	1	Bolt-Shoulder
23	95-3895	1	Spring - Latch Lever

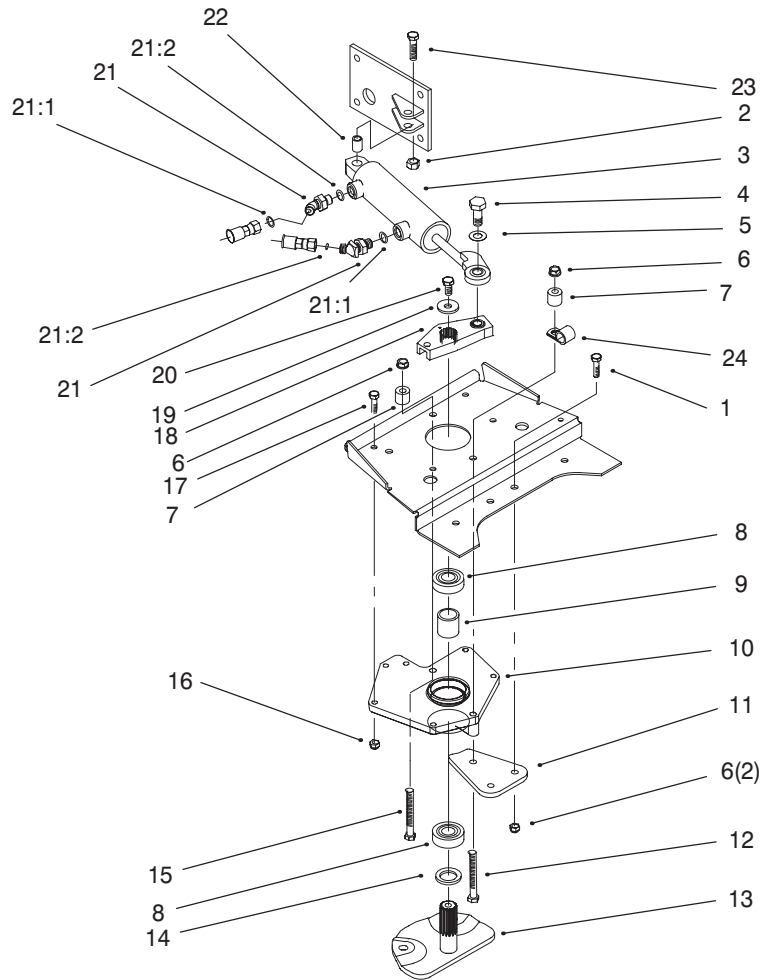
Ref. No.	Part No.	Qty.	Description
24	321-4	3	Screw-HH
25	3253-3	3	Washer-Lock/Sp
26	3256-22	3	Washer-Flat
27	2412-106	1	Clamp-R
28	3256-22	1	Washer-Flat
29	3296-42	1	Nut-Lock
30	3229-1	1	Screw-CARR
31	94-7971	1	Tube - Hydraulic
32	99-4441-03	1	Tower ASM-Welded
33	321-4	2	Screw-HH
34	95-4246	1	Baffle - 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
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	Ring-Retaining
18	94-2256	3	Rod - Lock
19	94-2258	3	Lock - Latch
20	8616	3	Spring
21	94-7777	2	Latch-Pulley Box
22	3290-221	2	Washer-Spring
23	92-7674	2	Bolt
24	323-6	2	Screw-HH
25	107069	2	Clip

Ref. No.	Part No.	Qty.	Description
26	94-2304-03	1	Tray - Battery
27	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

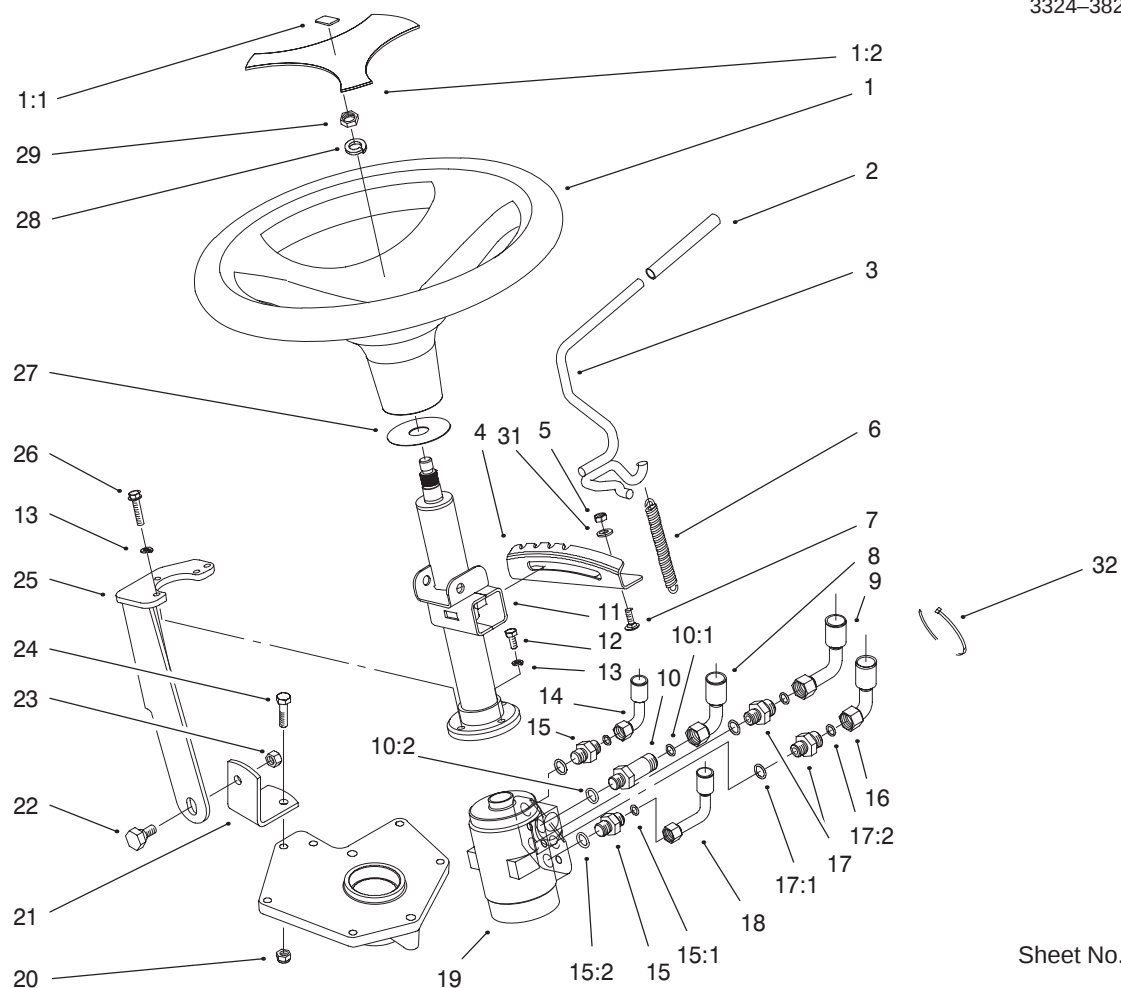


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Power Steering Lower Assembly

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-HH
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
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	Shaft-Sector
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
20	98-3052	1	Screw - Thread Locking

Ref. No.	Part No.	Qty.	Description
21	95-4136	2	Fitting - Hydraulic 45
21:1	237-42	2	O-Ring
21:2	237-21	2	O-Ring
22	99-2320	1	Spacer-P.s. Cyl.
23	323-9	1	Screw-HH
24	98-2358	1	Clamp - R

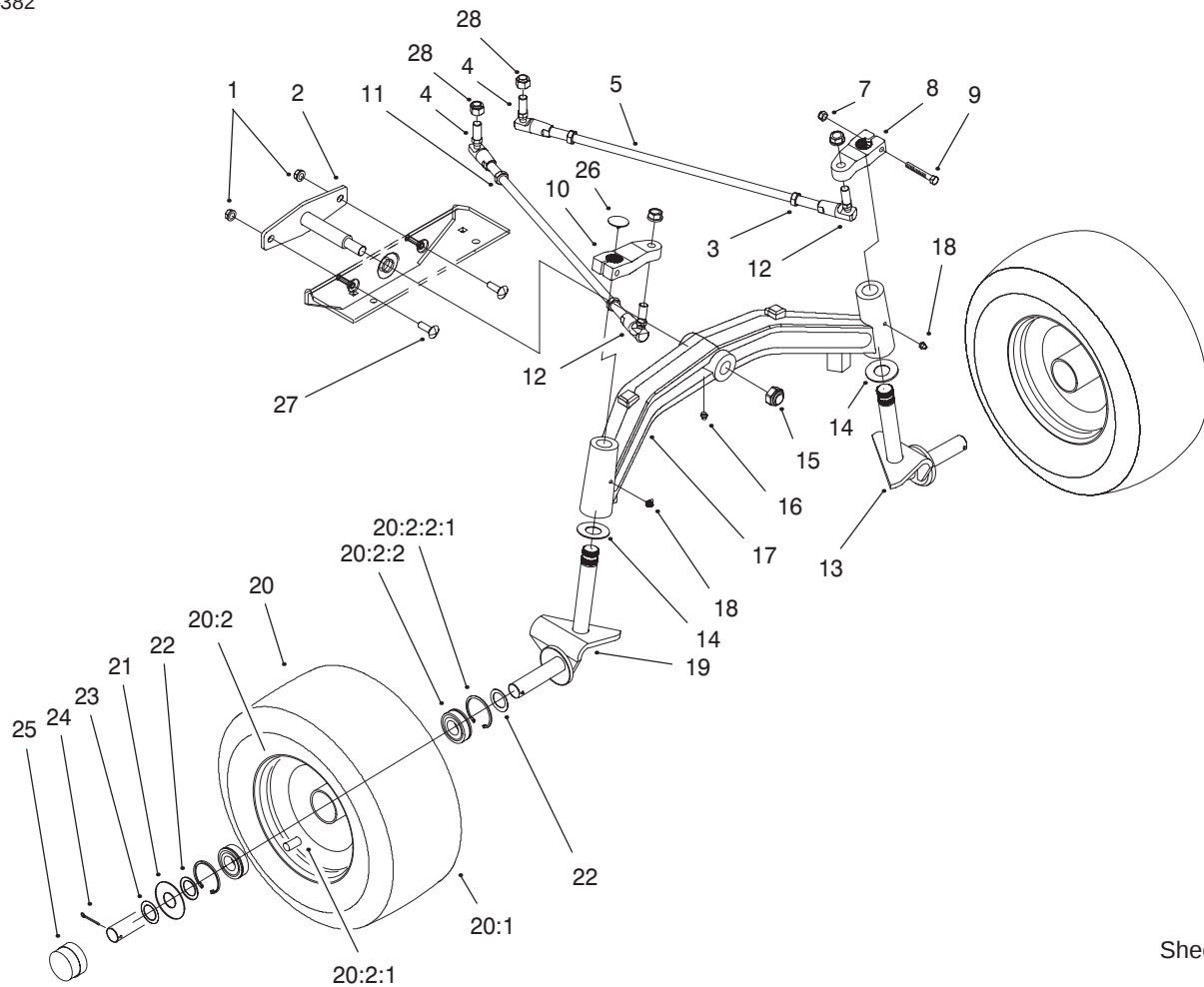


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Power Steering & Tilt Assembly

Ref. No.	Part No.	Qty.	Description
1	98-1474	1	Wheel – Steering 15",Soft
1	98-7211	1	Assembly – Cover (Service)
1:1	98-1459	1	Decal-Toro
1:2	98-1468	1	Cover – Wheel, Steering
2	92-6798	1	Cap – Rod Tilt
3	95-3964	1	Lever-Tilt
4	94-2382	1	Bracket – Detent
5	3296-42	2	Nut-Lock
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	Column-Power
12	33103-020	1	Screw-HHF
13	48-8020	4	Washer-Spring
14	94-7948	1	Assembly – Hose
15	95-4139	2	Fitting – Hydr. Straight
15:1	237-42	2	O-Ring
15:2	237-21	2	O-Ring

Ref. No.	Part No.	Qty.	Description
16	95-3807	1	Assembly – Hose
17	95-4138	2	Fitting – Hydr. Straight
17:1	237-22	2	O-Ring
17:2	237-42	2	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	Pivot-Power String
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
31	3256-22	2	Washer-Flat
32	614249	2	Tie Strap (only on: 73552)
32	614249	1	Tie Strap (only on: 73590)



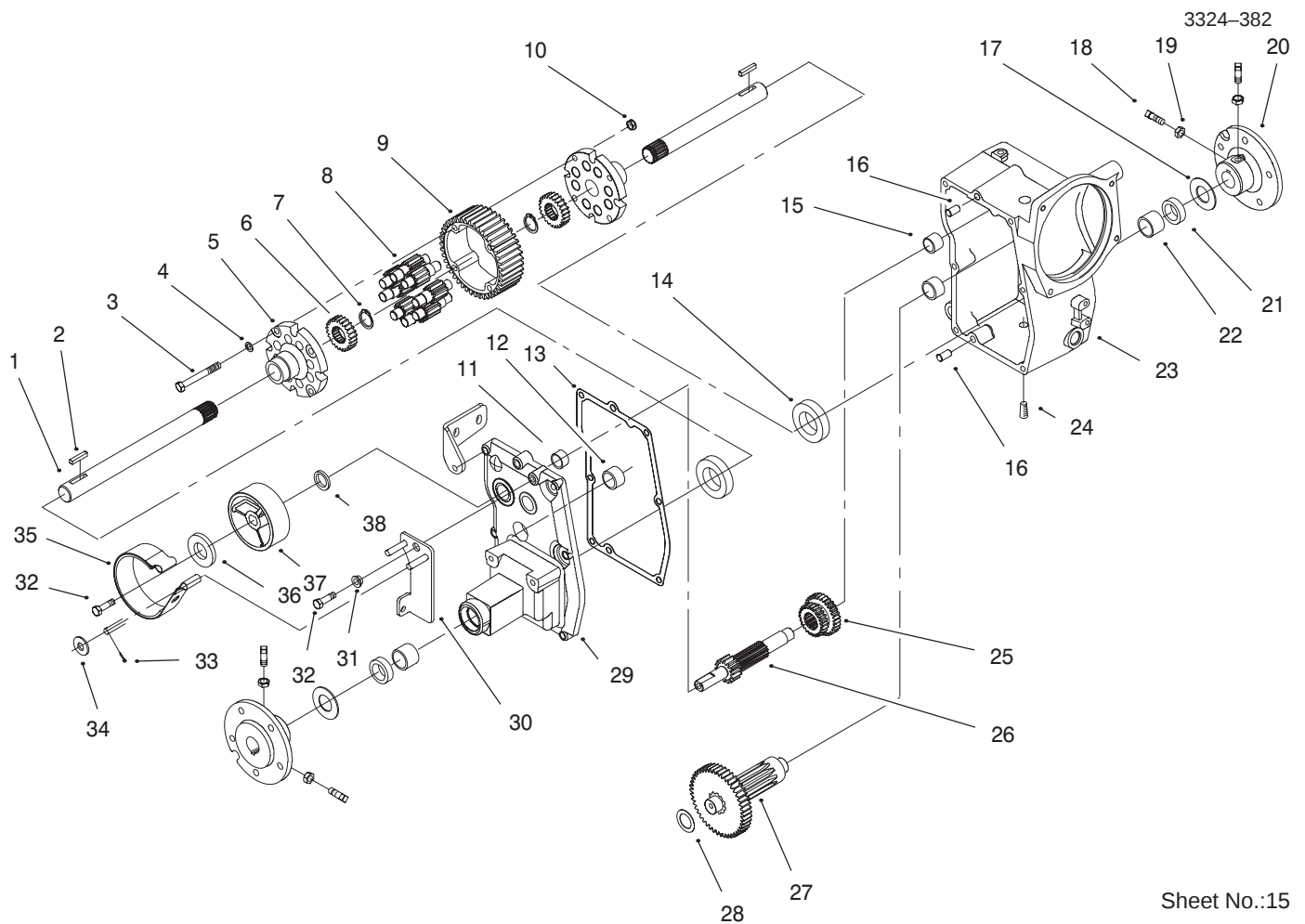
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Tie Rods, Spindle, & Front Axle Assembly

Ref. No.	Part No.	Qty.	Description
1	3296-39	2	Nut-Lock, NI
2	94-2205-03	1	Pin-Pivot
3	3220-5	2	Nut-Hex Jam
4	94-7539	2	Balljoint - LH Thread
5	100-1121	2	Rod-Tie
7	3296-29	2	Nut-Lock, NI
8	94-2197	1	Arm - Steering LH
9	322-32	2	Screw-HH
10	94-2196	1	Arm - Steering RH
11	3220-12	2	Nut-Jam, LH Thread
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
*	112819	1	Tube-Inner

Ref. No.	Part No.	Qty.	Description
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	4	Nut-Esna

* Not illustrated

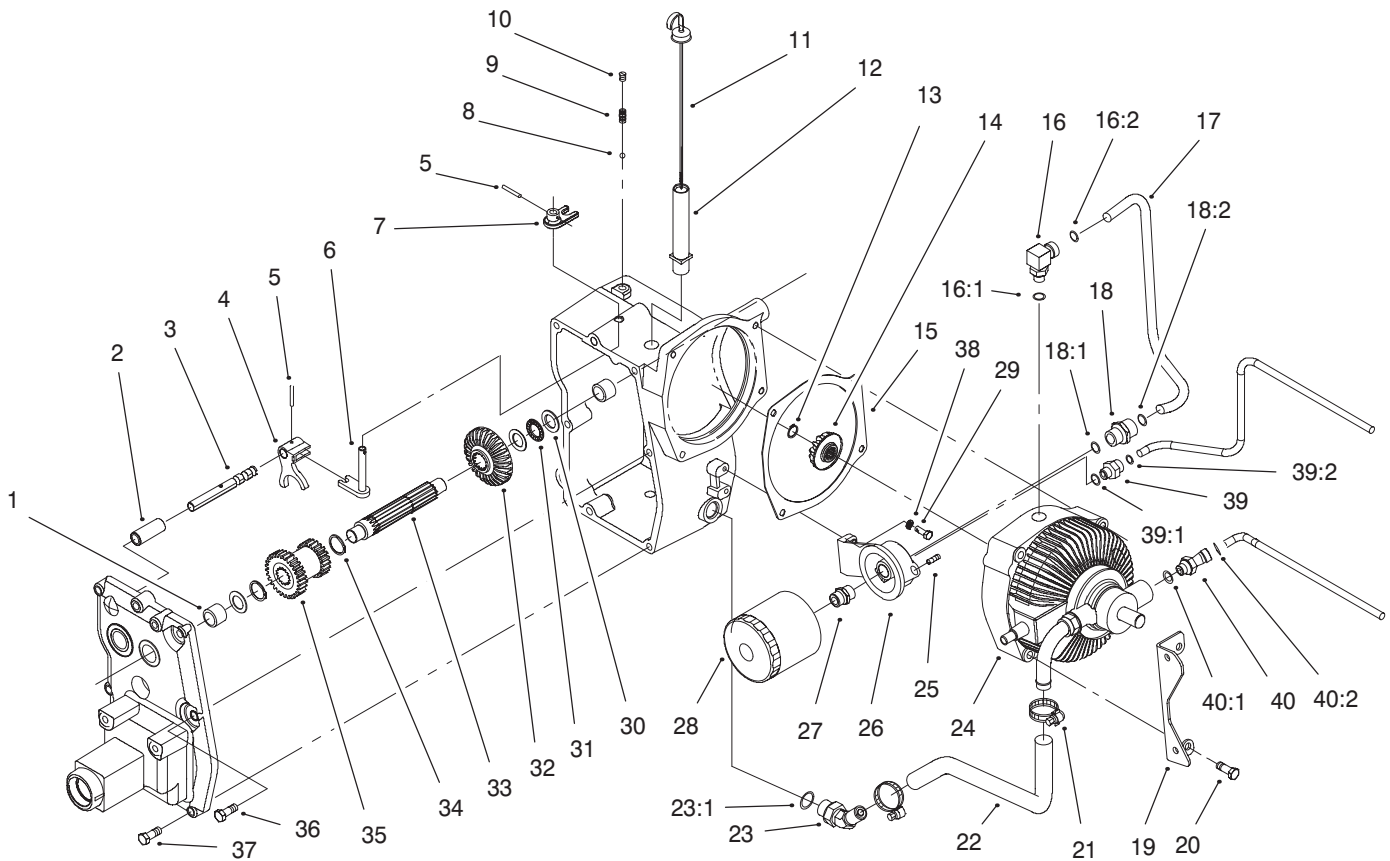


Sheet No.:15

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
21	6449	2	Seal-Oil
22	9416	2	Bearing
23	94-2001-03	1	Case-LH-Trans
24	99-8551	1	Plug-Pipe
25	94-2008	1	Gear - Sliding

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



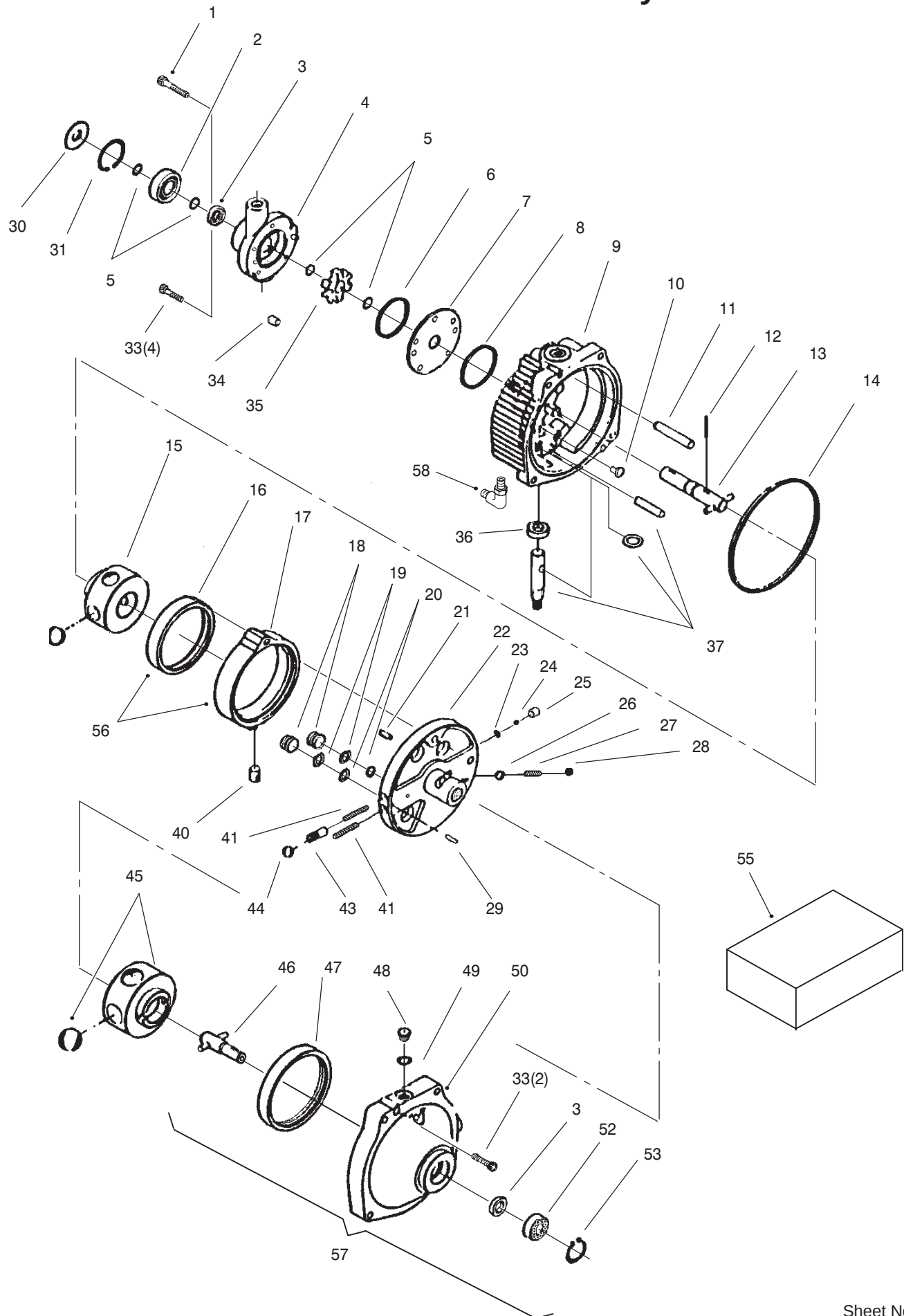
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Hydro Transaxle Assembly

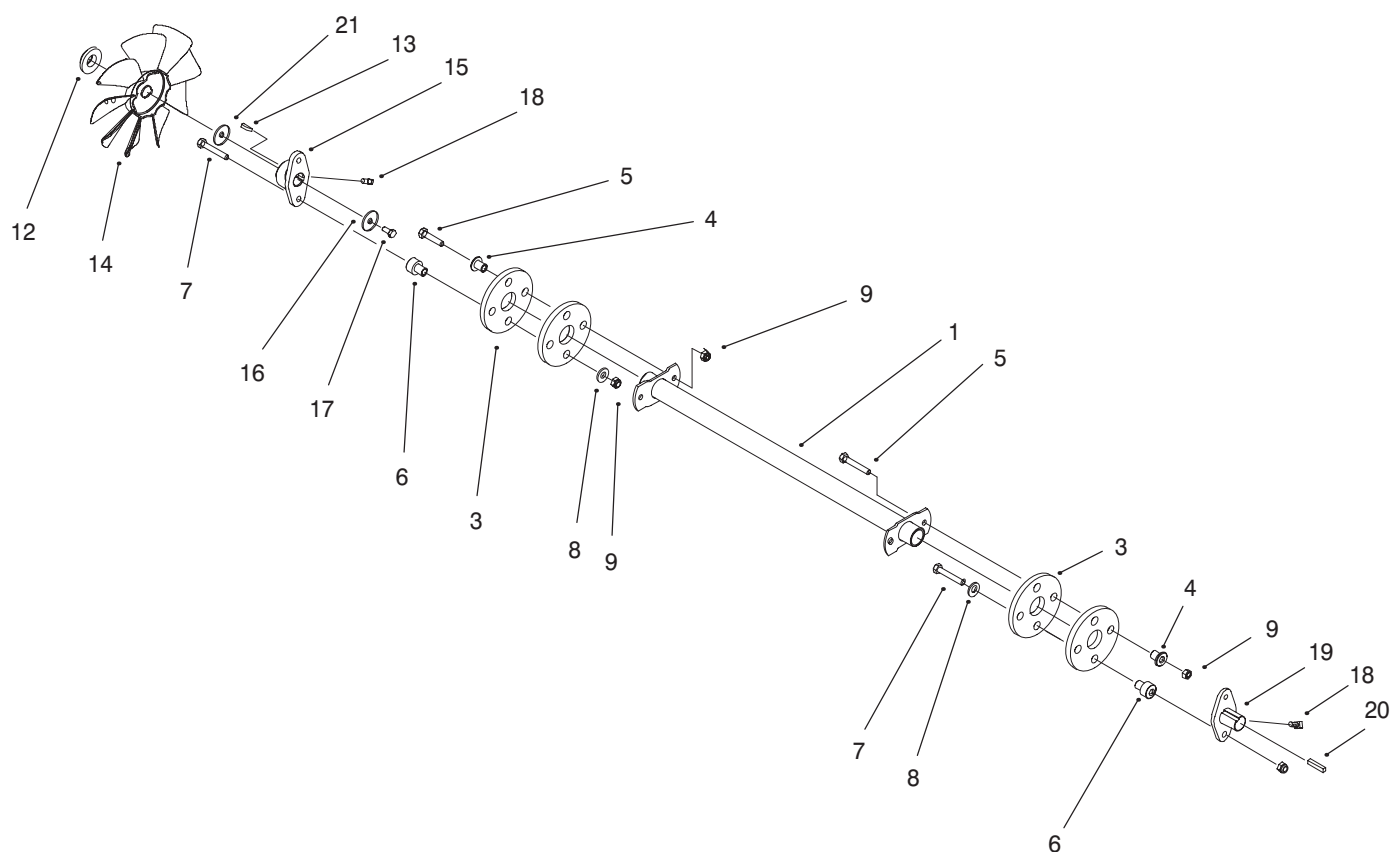
Ref. No.	Part No.	Qty.	Description
1	1529	2	Bearing-Needle
2	94-2014	1	Tube - Shifter Rail
3	94-2054	1	Rail - Shift
4	94-2015	1	Fork - Hi/Lo Shift
5	933154	2	Pin-Roll
6	94-2143	1	Arm-Shifter
7	94-7510	1	Shift - Hi/Lo
8	3517	1	Ball-Detent
9	94-2024	1	Spring - Shift Detent
10	3247-2	1	Screw-Hex Socket 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-Drive, Worm
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-Snap, External
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



Ref. No.	Part No.	Qty.	Description

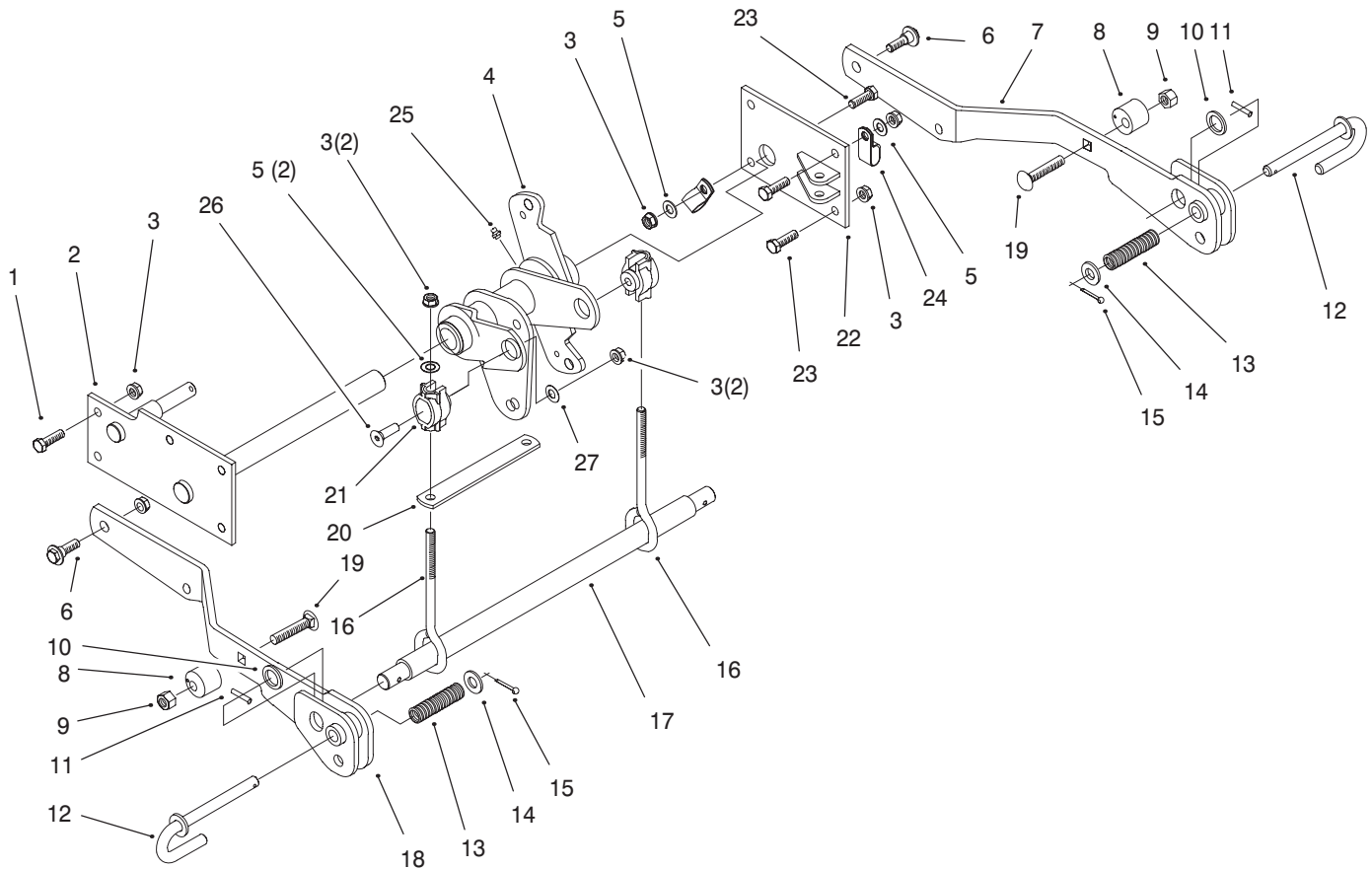


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Drive Shaft Assembly

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 - LocI,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

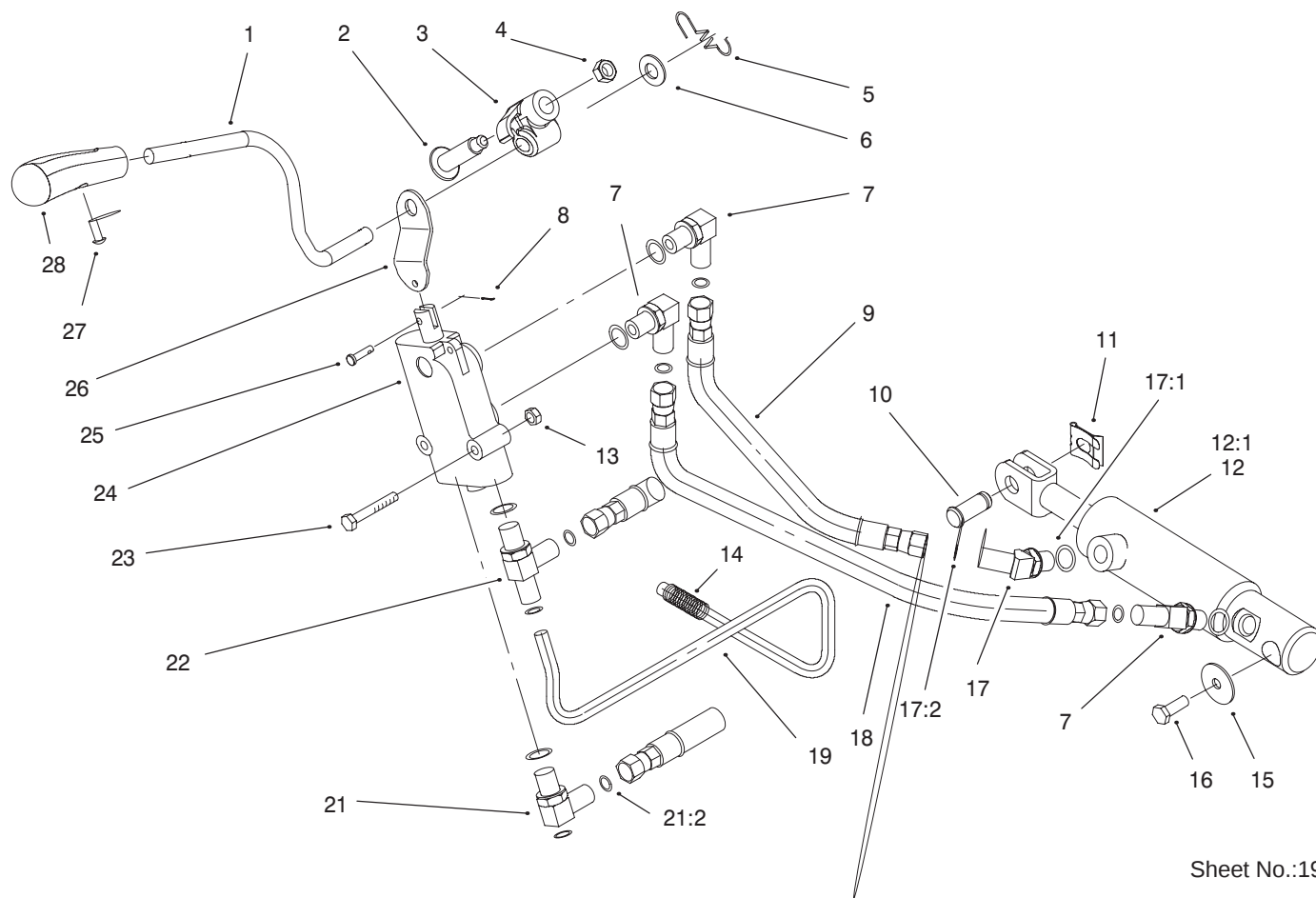


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Hydro Lift Lower Assembly

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	4	Washer-Flat
6	614672	2	Bolt-Shoulder
7	94-2279-03	1	Arm-Lift LH
8	94-2411	2	Stop - Lift Adj
9	3296-48	2	Nut-Lock NI
10	3256-28	2	Washer-Flat
11	32121-79	2	Pin-Roll
12	94-2301	2	Pin - J
13	95-4256	2	Spring - Compression
14	3256-26	2	Washer-Flat
15	3272-10	2	Pin-Cotter
16	94-2262	2	Rod - Lift
17	94-2277-03	1	Bar - Lift
18	94-2278-03	1	Arm-Lift RH
19	3232-5	2	Screw-CARR
20	94-7600-03	1	Spacer-Strap
21	99-2344	2	Sleeve-Lift
22	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

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

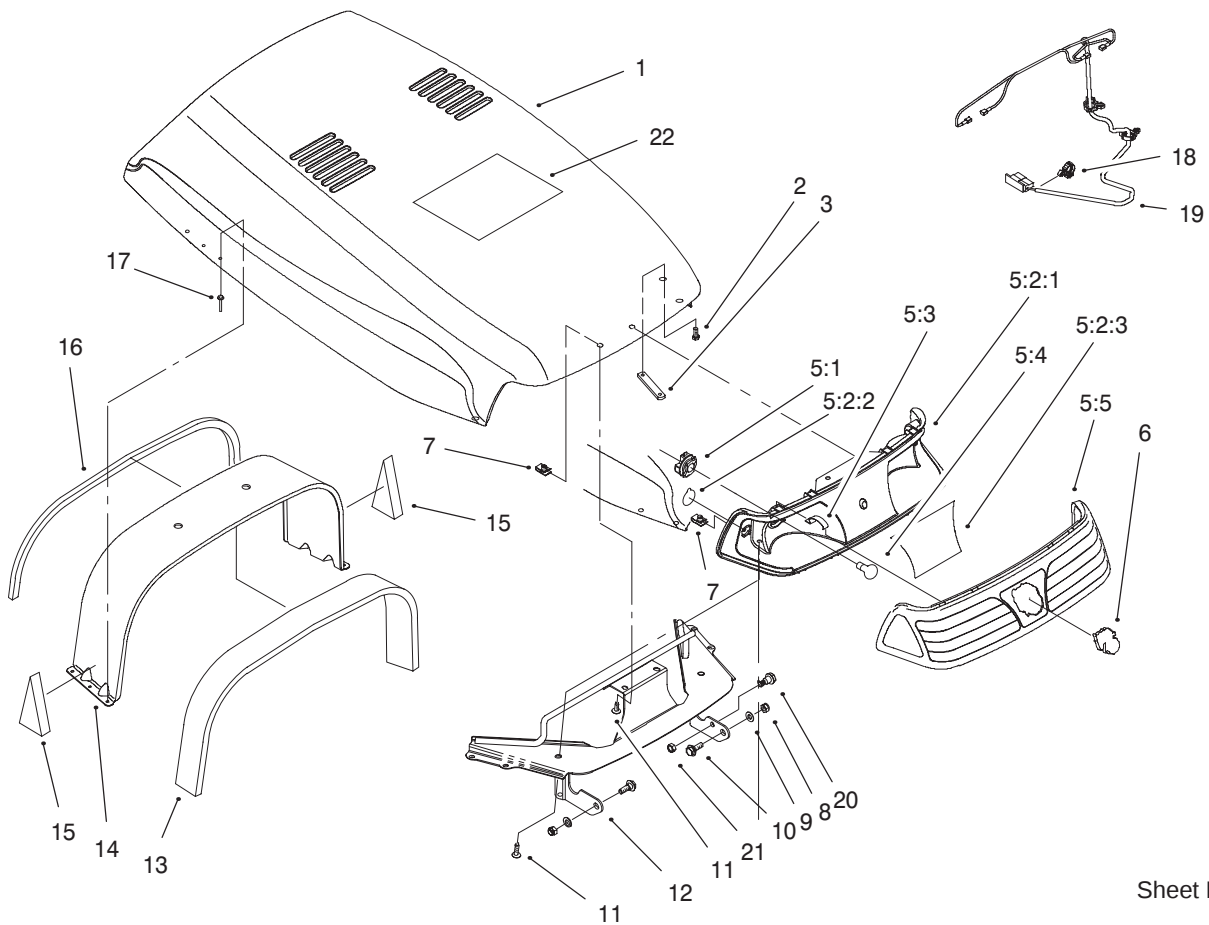


Sheet No.:19

Hydro Lift Upper Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	94-7714	1	Handle – Lift	23	321-10	2	Screw-HH
2	92-1099	1	Bolt-Shoulder	24	95-4019	1	Valve – Hydraulic
3	95-4168	1	Trunnion – Lift Lever	25	283-16	1	Pin-Clevis
4	610358	1	Nut-Jam, Locking	26	98-1620	1	Link – Lift
5	95-4221	1	Spring – Lift	27	95-4236	1	Tscrew – PPH
			Extension	28	94-2100	1	Knob – Lift (only on: 73552)
6	95-4235	1	Washer	28	95-4106	1	Knob – Lift (Int'l) (only on: 73590)
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				
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				

* Not illustrated



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	98-7210	1	Assembly-Light Reflector
5:2:1	94-2098	1	Reflector – Headlight
5:2:2	98-1602	2	Decal – Sidelight
5:2:3	98-3597	1	Decal-Headlight Reflector
5:3	95-4129	4	Clip – Retainer
5:4	7228	2	Bulb –No. 1156
5:5	94-2099	1	Lens – Headlight
6	95-4248	1	Logo – Horsehead
7	107069	4	Clip
8	3296-29	2	Nut-Lock, NI
9	3256-23	2	Washer-Flat
10	27-0410	2	Screw-Shoulder
11	92-7020	4	Screw-HH
12	99-4962-03	1	Front Bulkhead, W.a.
13	95-4078	1	Foam Seal – Rear Bh
14	95-3902-03	1	Bulkhead-Rear

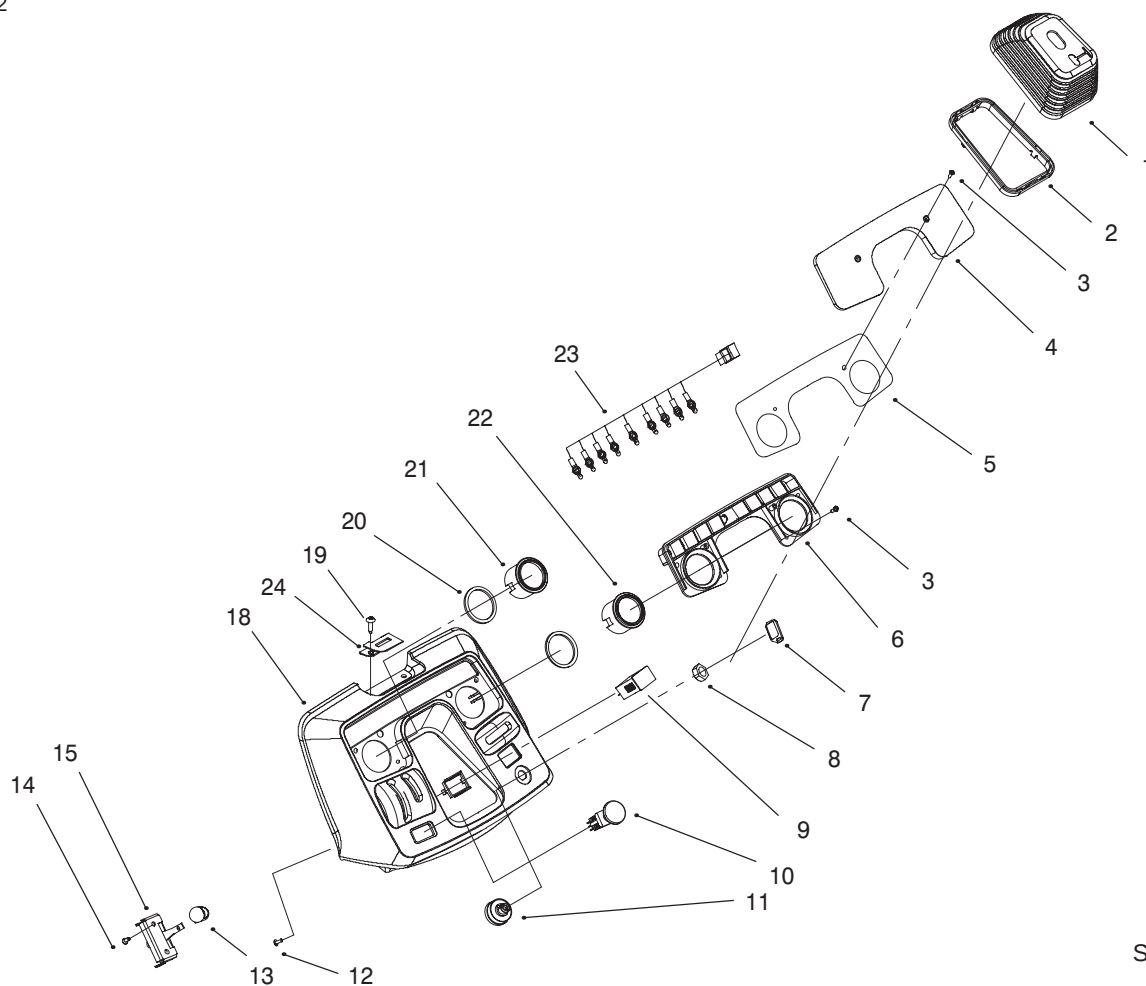
Ref. No.	Part No.	Qty.	Description
15	95-4259	2	Foam – Lower Bulkhead
16	95-4233	1	Foam – Tape
17	3269-12	6	Rivet-Pop
18	98-1810	1	Clip – Convolute
19	95-0691	1	Harness – Wire,Lights
20	92-6986	1	Bolt – Shoulder
21	3296-47	1	Nut-Lock, NI
22	100-7304	1	Decal-Services 5xi (only on: 73552)

* Not illustrated

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

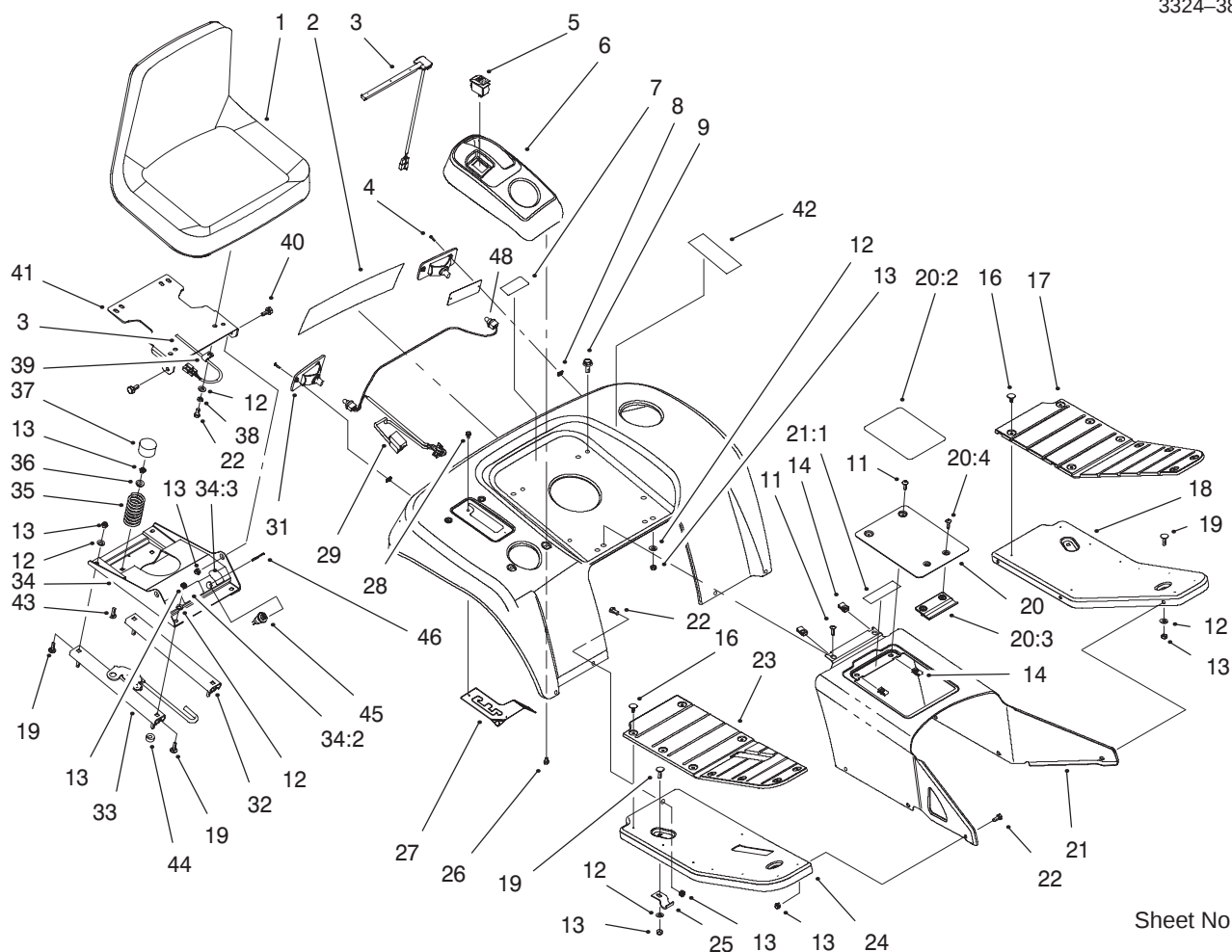


Sheet No.:22

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

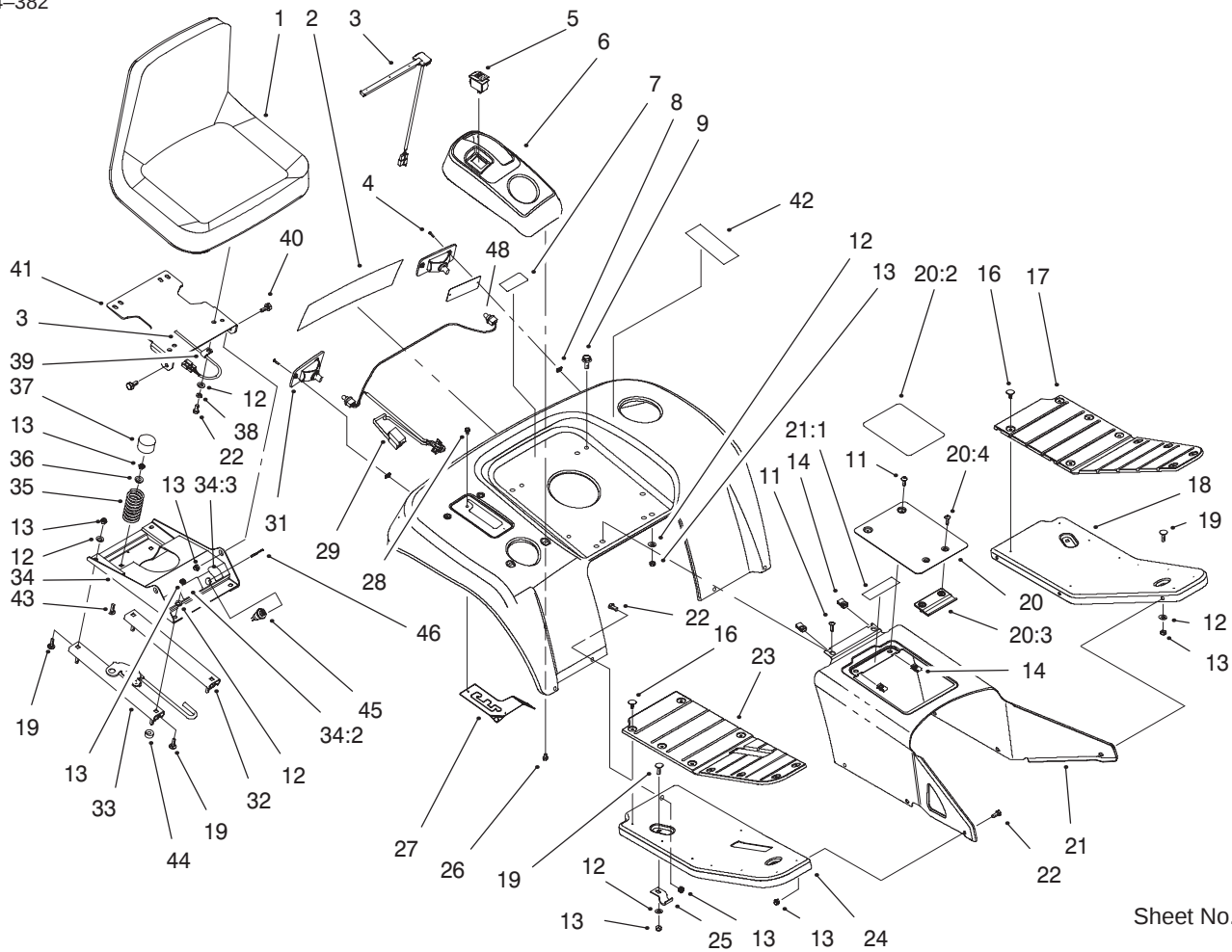


Sheet No.:23

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 (only on: 73552)
12	3256-23	16	Washer–Flat (only on: 73590)
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)

Ref. No.	Part No.	Qty.	Description
20	98-1623	1	ASM – Tunnel Cover Europe (only on: 73590)
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	94-4496	2	Screw–PPH (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	98-5015	1	Decal – Warning (only on: 73590)
21:1	80-8760	1	Decal – Danger (only on: 73552)
22	322-3	14	Screw–HH (only on: 73590)
22	322-3	18	Screw–HH (only on: 73552)
23	94-2095	1	Pad – RH Footrest

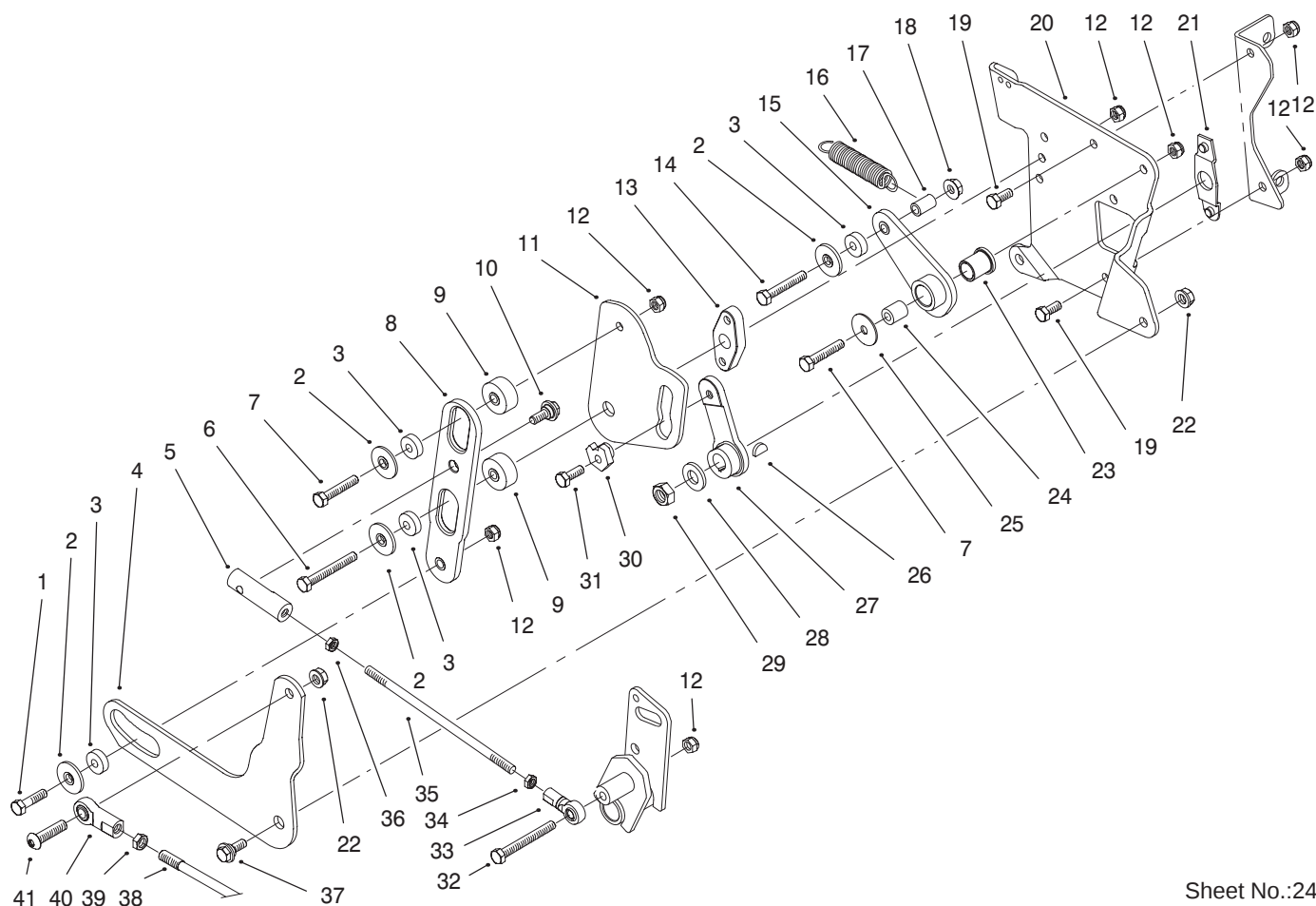


Sheet No.:23

Fender, Footrest & Seat Assembly

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	99-6099	1	Seat Base ASM-Intl (only on: 73590)
34	99-6098	1	Seat Base ASM (only on: 73552)
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
39	98-2390	1	Clamp – R
40	37-8771	2	Bolt-Shoulder
41	94-2111-03	1	Mount – Seat
42	98-3088	1	Decal – Diesel

Ref. No.	Part No.	Qty.	Description
43	3230-22	2	Screw-CARR
44	4-2390	4	Washer
45	46-5780	1	Switch-Starter
46	62-7770	1	Key-Ignition
48	109045	2	Light Bulb

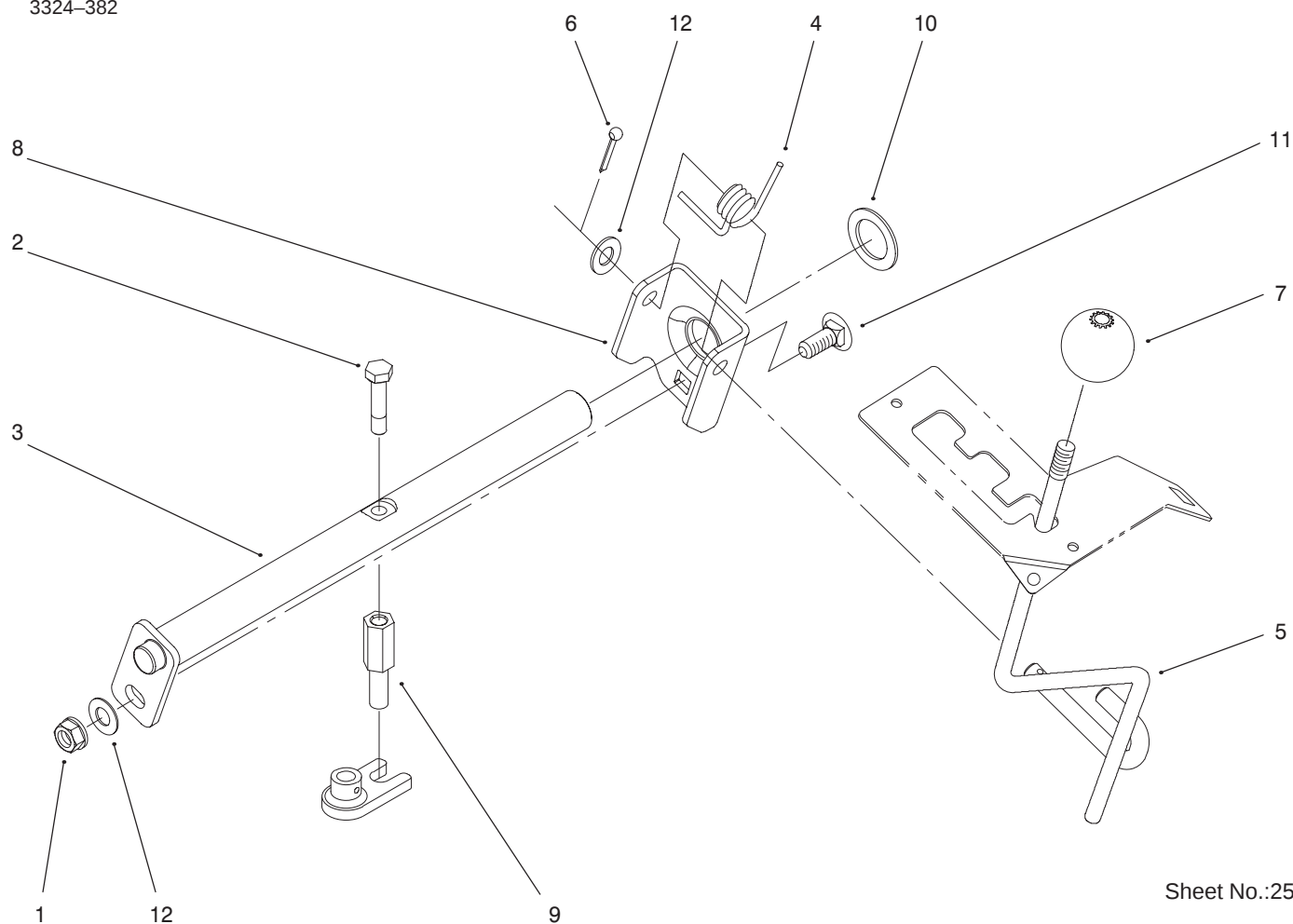


Sheet No.:24

Smart Turn Rear Assembly

Ref. No.	Part No.	Qty.	Description
1	322-6	1	Screw-HH
2	94-2313	4	Retainer - Bearing
3	95-4185	4	Bearing - Ball
4	95-3801-03	1	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	8	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	3256-23	1	Washer-Flat
19	322-3	2	Screw-HH
20	99-8053-03	1	Plate-Control
21	94-7814	1	Locator-Control Plate
22	108881	2	Nut-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-Head, Button

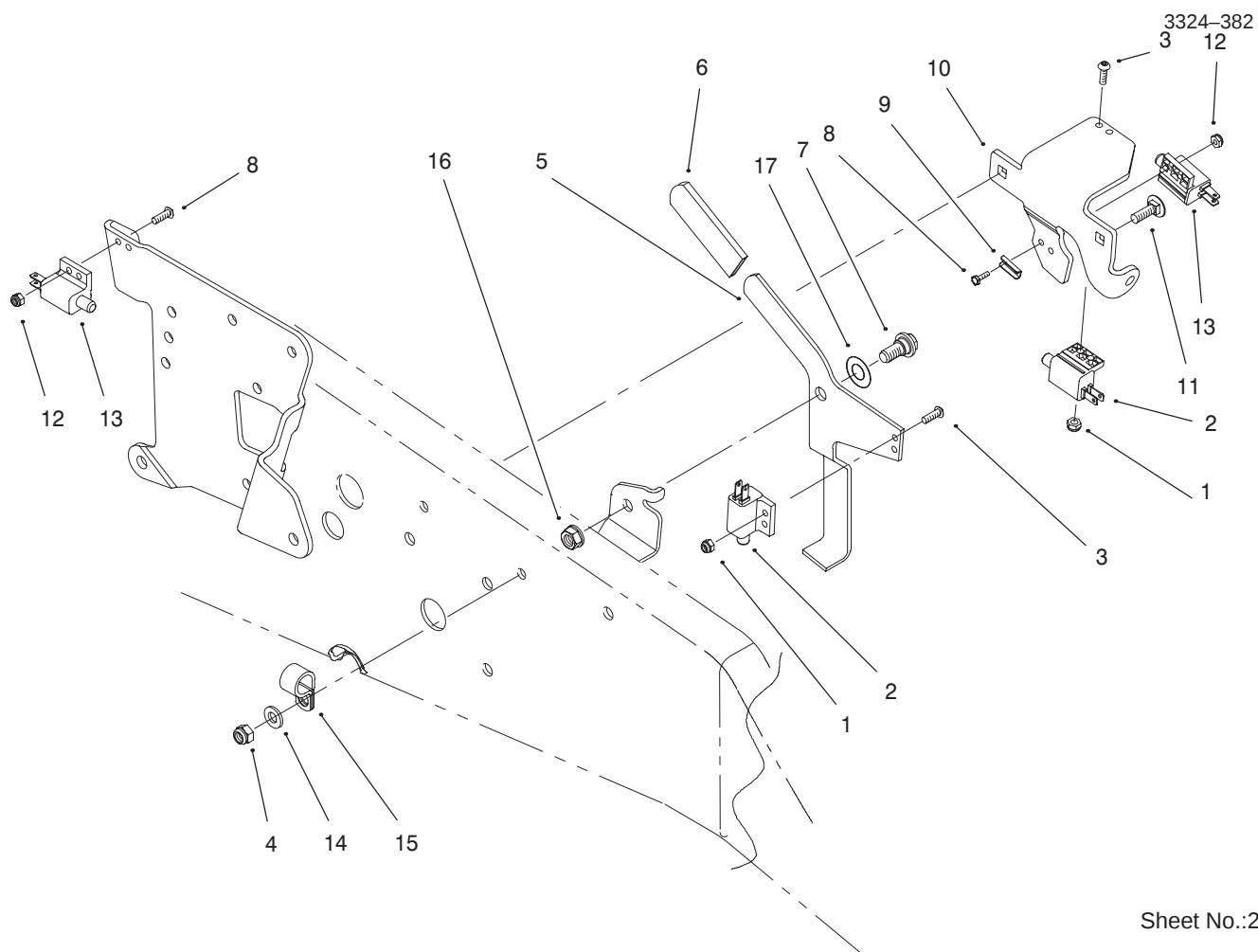


Sheet No.:25

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

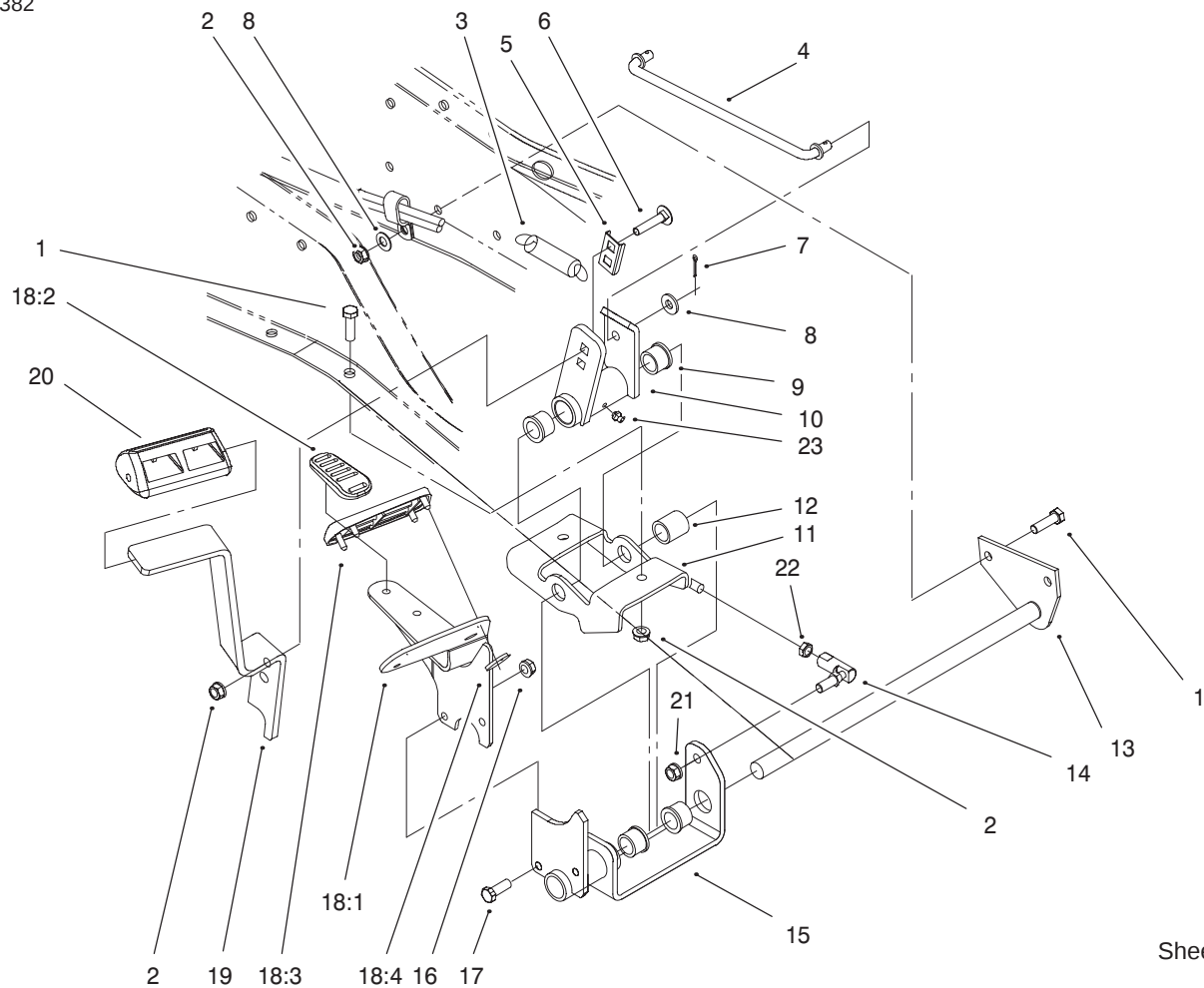
Ref. No.	Part No.	Qty.	Description



Parking Brake Upper Assembly

Ref. No.	Part No.	Qty.	Description
1	3296-2	4	Nut-Lock
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



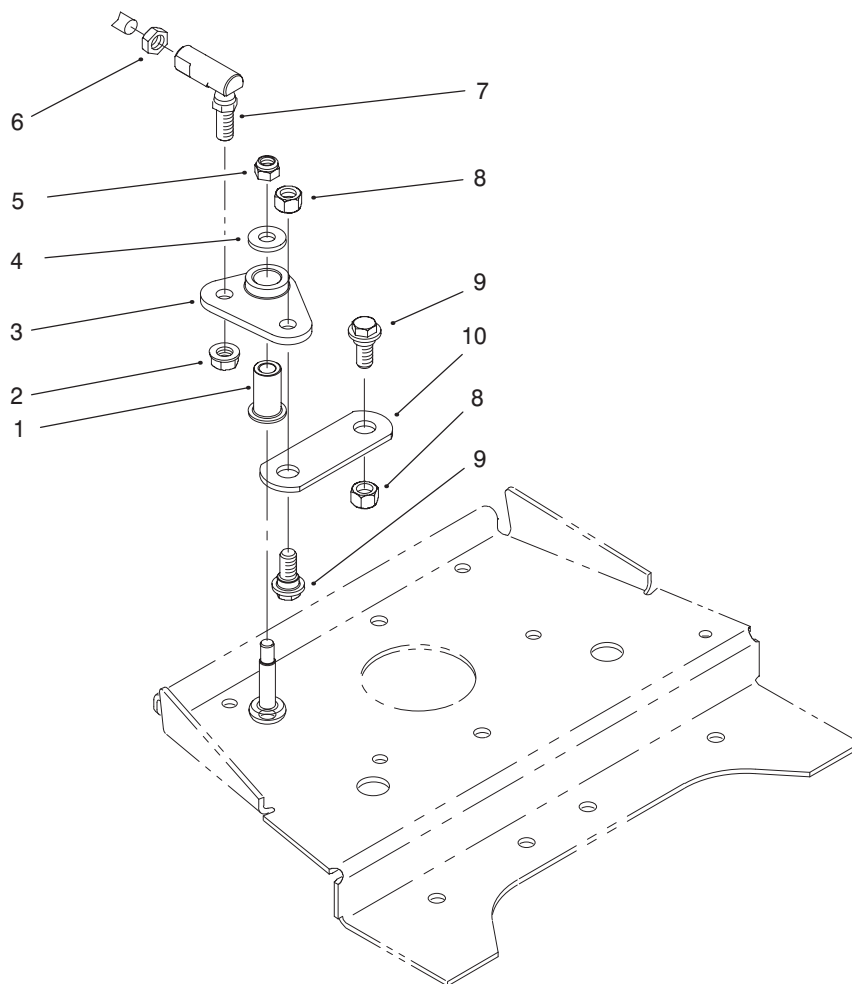
Sheet No.:27

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	Bracket Fwd/Rev
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
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

* Not illustrated

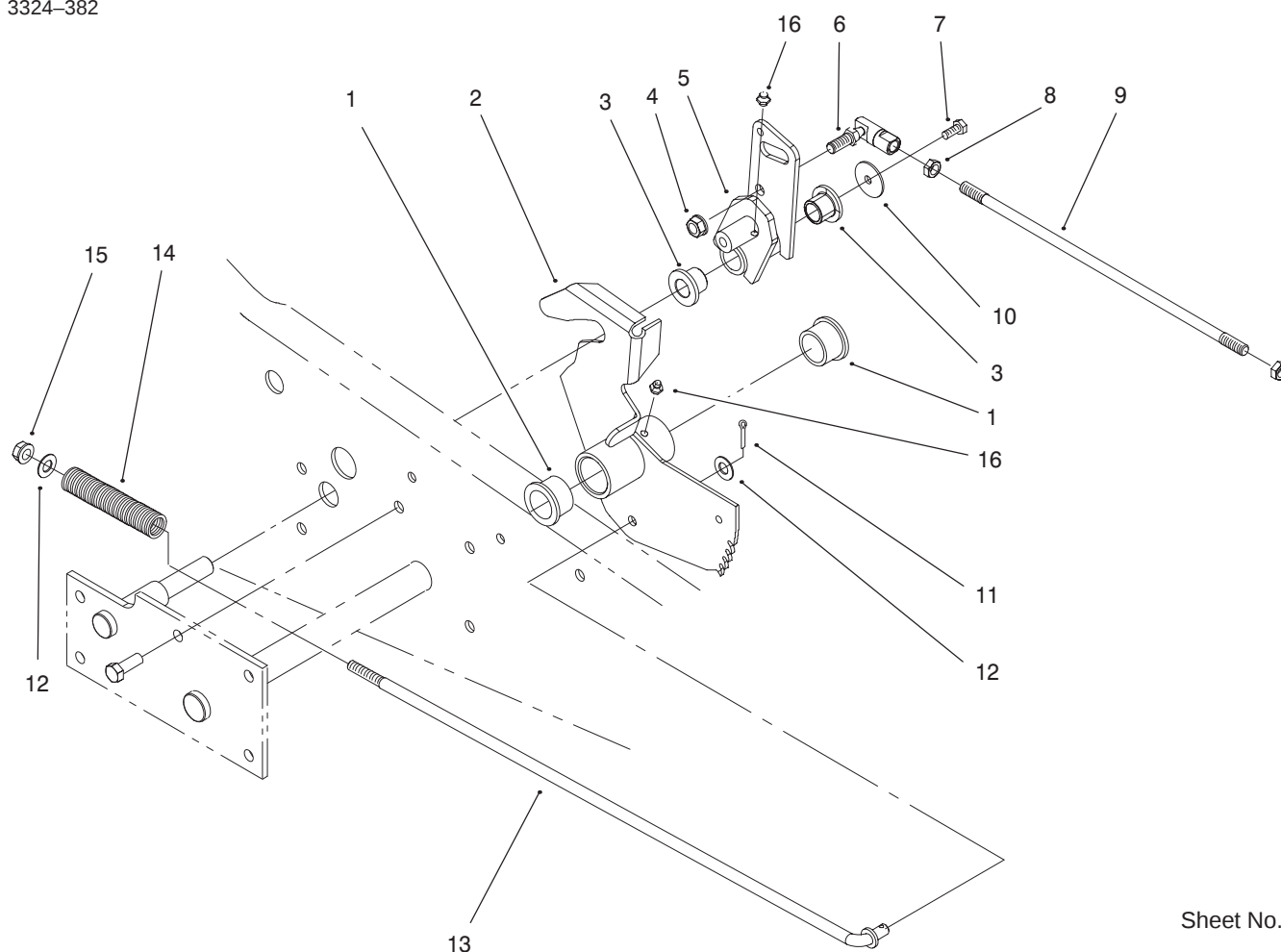


Sheet No.:28

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	Link-Slow Down

Ref. No.	Part No.	Qty.	Description

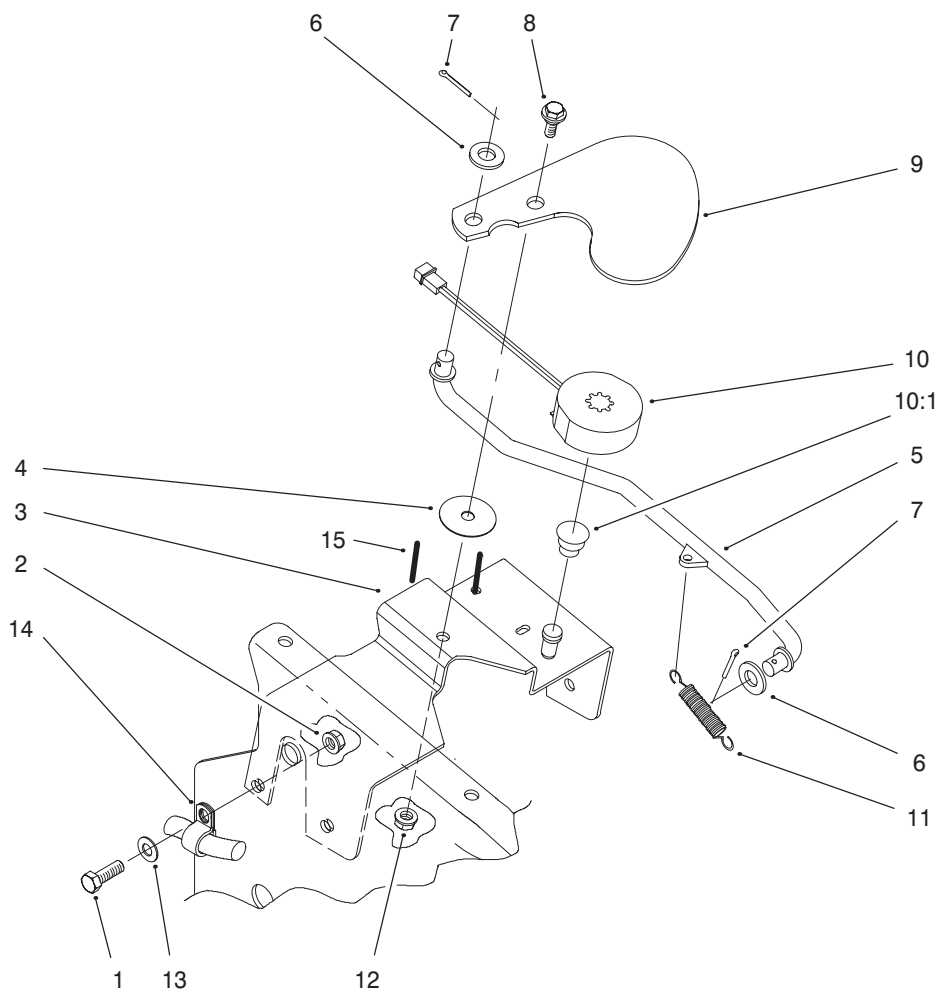


Sheet No.:29

Parking Brake Lower Assembly

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

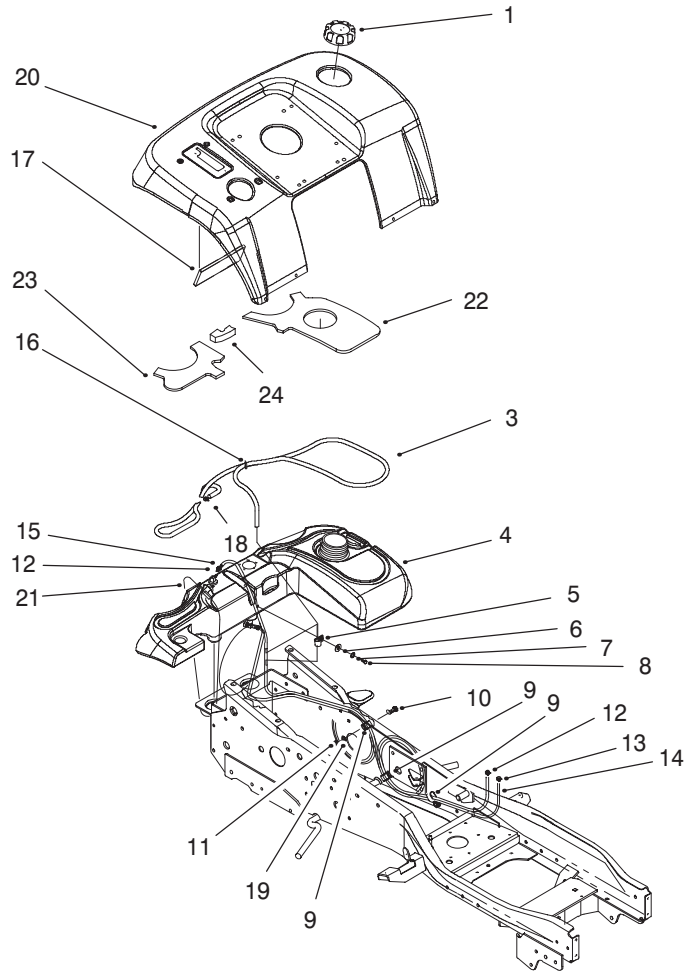


Sheet No.:30

Cruise Control Assembly

Ref. No.	Part No.	Qty.	Description
1	323-7	4	Screw-HH (only on: 73552)
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 ASM
10:1	93-6601	1	Spring - Compression
11	66-4160	1	Spring-Upper Solenoid
12	108881	1	Nut-Differential
13	3256-24	2	Washer-Flat
14	98-2358	2	Clamp - R
15	614249	1	Tie Strap

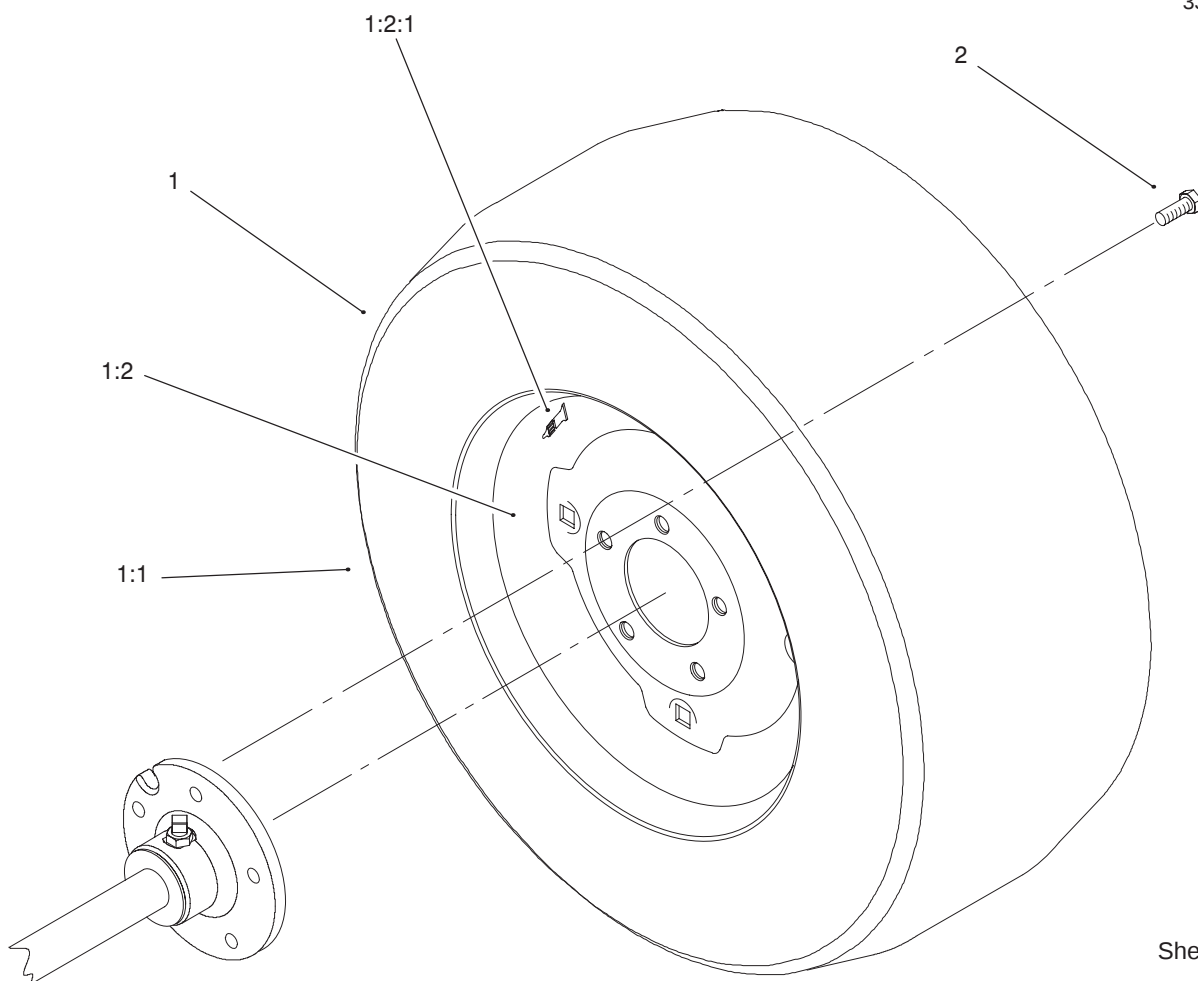
Ref. No.	Part No.	Qty.	Description



Sheet No.:31

Fender & Fuel System Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	95-4193	1	Diesel Gas Cap ASM				
2	95-4270	10	Tape-3m				
3	99-8553	1	Hose-Vent (Service)				
4	99-6142	1	Tank-Diesel Assy. (Service)				
5	95-4187	1	Clamp - Tube				
6	3256-22	1	Washer-Flat				
7	3253-3	1	Washer-Lock/Sp				
8	321-3	1	Screw-HH				
9	98-1617	3	Clamp-Tube				
10	323-6	1	Screw-HH				
11	3296-39	1	Nut-Lock, NI				
12	2412-98	2	Clamp				
13	2412-108	2	Clamp-Worm				
14	99-9682	1	Hose-Fuel (Service)				
15	99-9683	1	Hose-Fuel (Service)				
16	94-8189	1	Clamp-Hose				
17	95-4157	1	Foam - Tank Center				
18	614249	1	Tie Strap				
19	3256-24	1	Washer-Flat				
20	98-7208	1	Assembly - Rear Body				
21	99-5901	1	Tie-Cable				
22	99-6145	1	Foam-Tank				
23	99-6146	1	Foam-Tank				
24	99-6887	1	Foam-Tank Top				



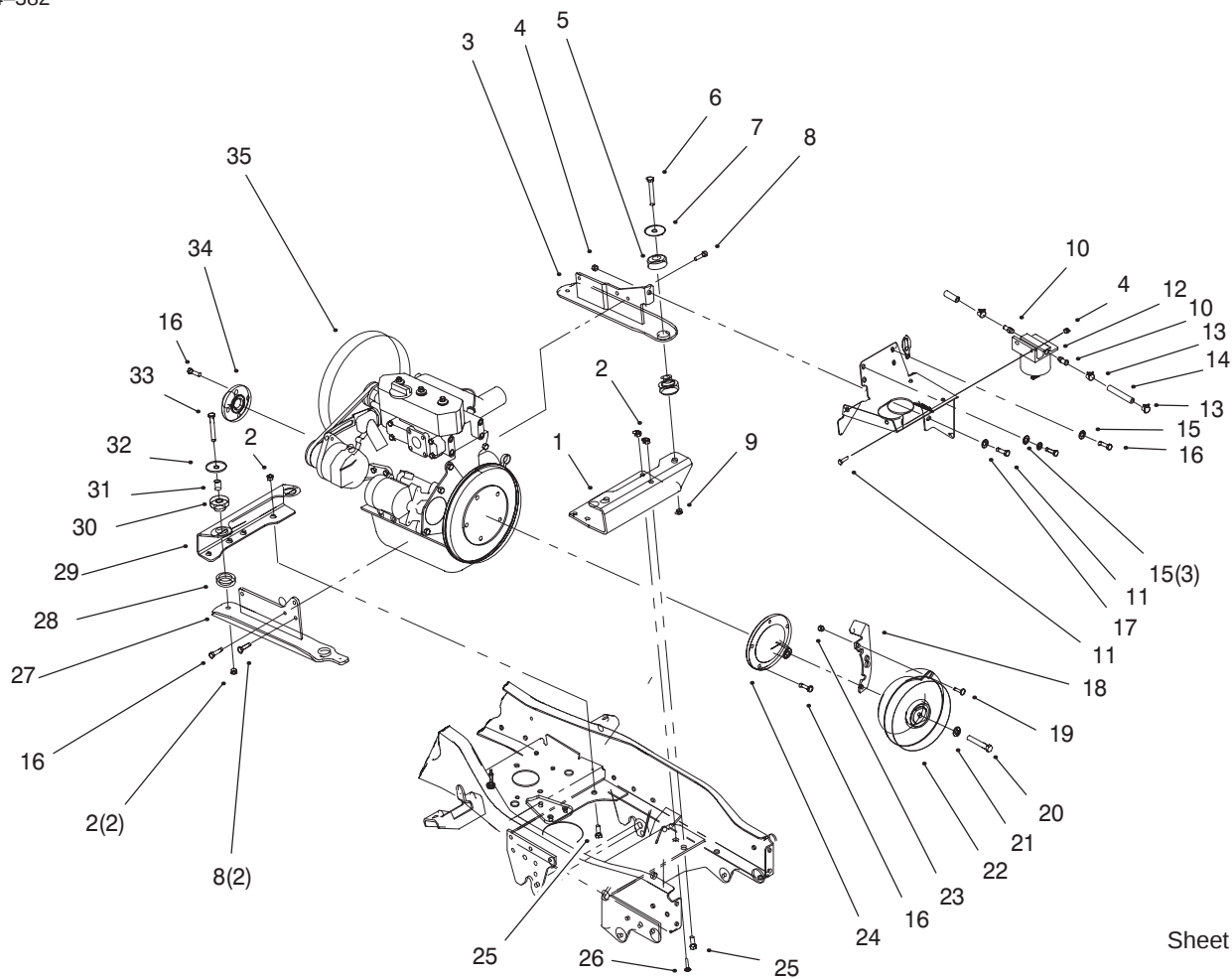
Sheet No.:32

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
*	7007	1	Tube-Inner
2	83-2720	10	Lug-Bolt

Ref. No.	Part No.	Qty.	Description

* Not illustrated

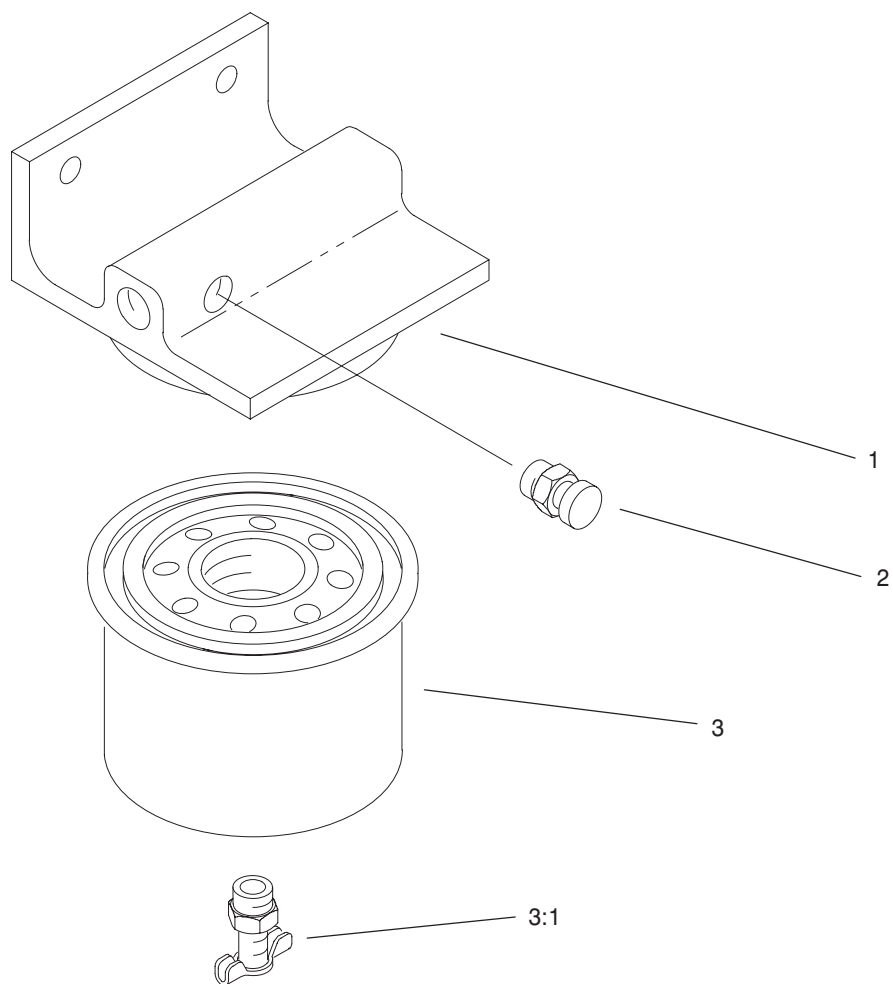


Sheet No.:36

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	Brkt-LH Iso
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	Fitting-Pump
11	321-6	3	Screw-HH
12	63-7650	1	Separator-Filter/Water
13	2412-108	2	Clamp-Worm
14	99-9687	1	Hose-Fuel
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
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

Ref. No.	Part No.	Qty.	Description
27	95-3889-03	1	Brkt-RH Iso
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, DI
35	99-5310	1	Engine-Daihatsu Diesel 850cc

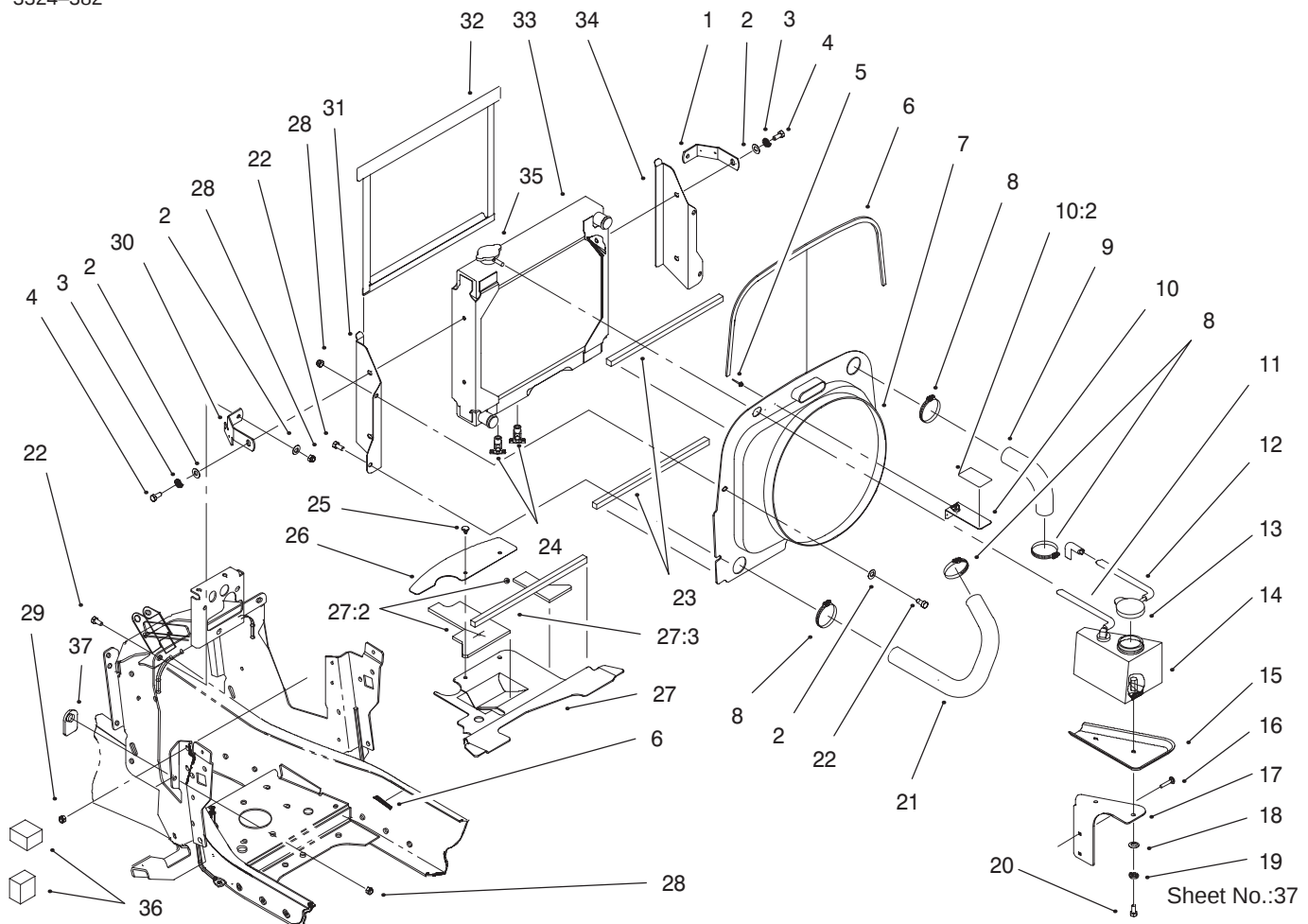


Sheet No.:A2

Separator–Filter/Water Assembly

Ref. No.	Part No.	Qty.	Description
1	63-8280	1	Head ASM
2	63-8290	1	Vent-Air
3	63-8300	1	Element-Spin-On
3:1	63-8310	1	Valve-Drain

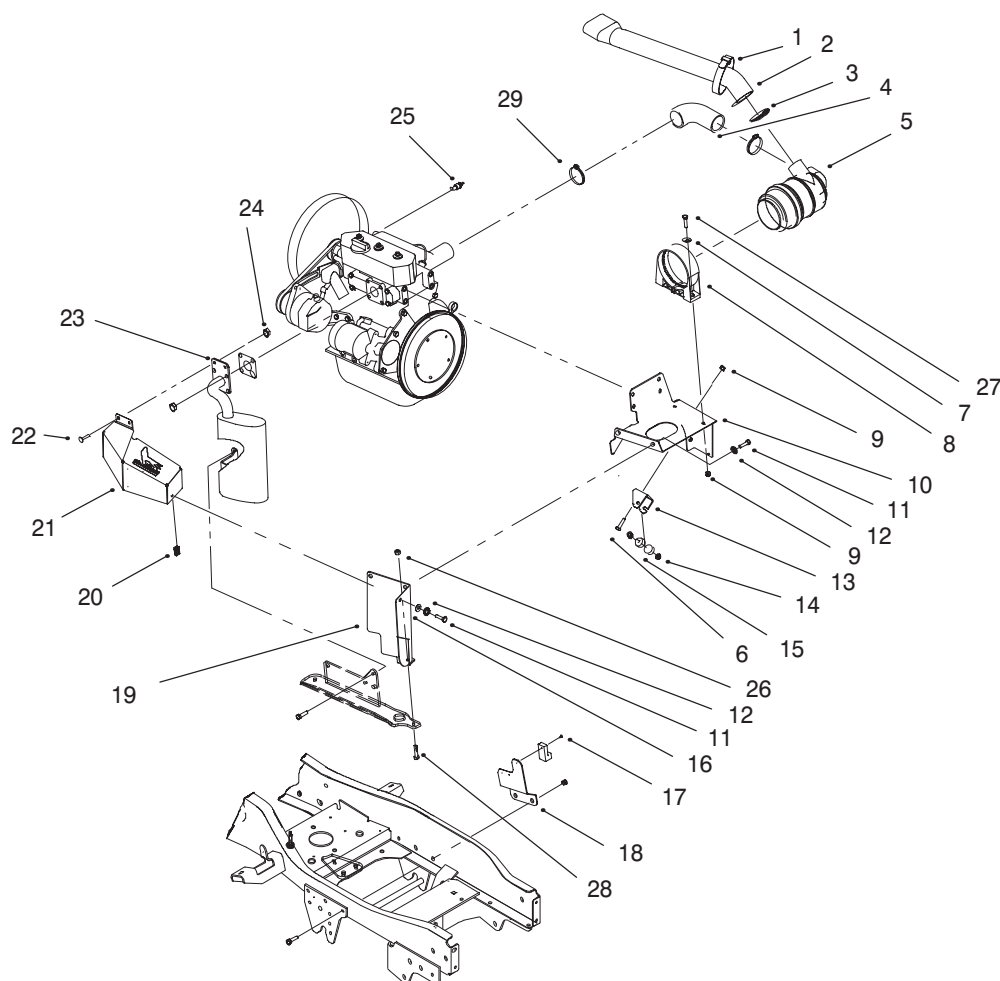
Ref. No.	Part No.	Qty.	Description



Liquid Cooled Diesel Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	94-7644-03	1	Strap-Radiator
2	3256-23	8	Washer-Flat (only on: 73590)
3	3253-4	4	Washer
4	322-2	4	Screw-HH
5	3269-13	2	Rivet-Pop
6	98-7216	1	Trim - Loc, 31"
6	98-7217	1	Trim - Loc, 6"
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
21	95-4267	1	Hose - Rad. Daihatsu

Ref. No.	Part No.	Qty.	Description
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

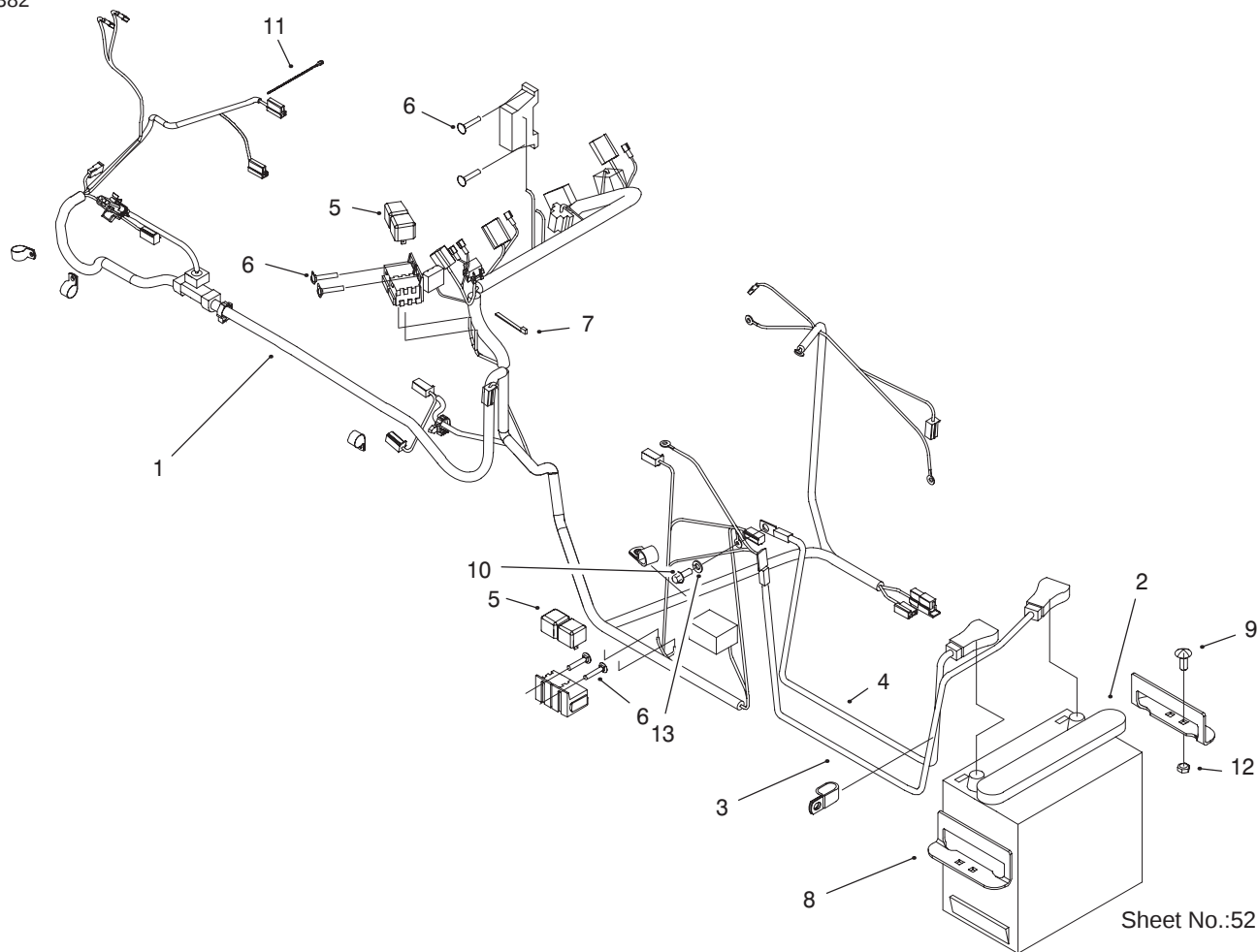


Sheet No.:38

Liquid Cooled Diesel Engine Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3290-379	1	Tie-Cable	18	95-4239-03	1	Bracket – Relay
2	98-1628	1	Hose – Air Cleaner	19	98-1634-03	1	Heat Shield Wa
3	2412-92	2	Clamp-Hose	20	107069	3	Clip
4	95-4265	1	Hose – Air Cleaner Outlet	21	98-1638-03	1	Heat Shield Wa
5	93-2190	1	Air Cleaner ASM	22	3229-1	2	Screw-CARR
*5:2	93-2195	1	Filter	23	94-7958	1	Muffler
*5:3	94-3652	1	Cover ASM	24	32152-4	2	Nut-Conelock
*5:4	94-1414	1	Valve – Vacuator	25	94-7621	1	Temp. Sender, Ds
*5:5	285-17	1	Plug-Pipe	26	3296-8	1	Nut-Lock NI
6	322-5	2	Screw-HH	27	322-6	2	Screw-HH
7	3256-23	6	Washer-Flat (only on: 73590)	28	321-6	1	Screw-HH
7	3256-23	2	Washer-Flat (only on: 73552)	29	2412-130	1	Hose Clamp
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				
15	240-14	2	Bumper – Rubber				
16	3256-22	3	Washer-Flat				
17	12-5450	1	Screw				

* Not illustrated

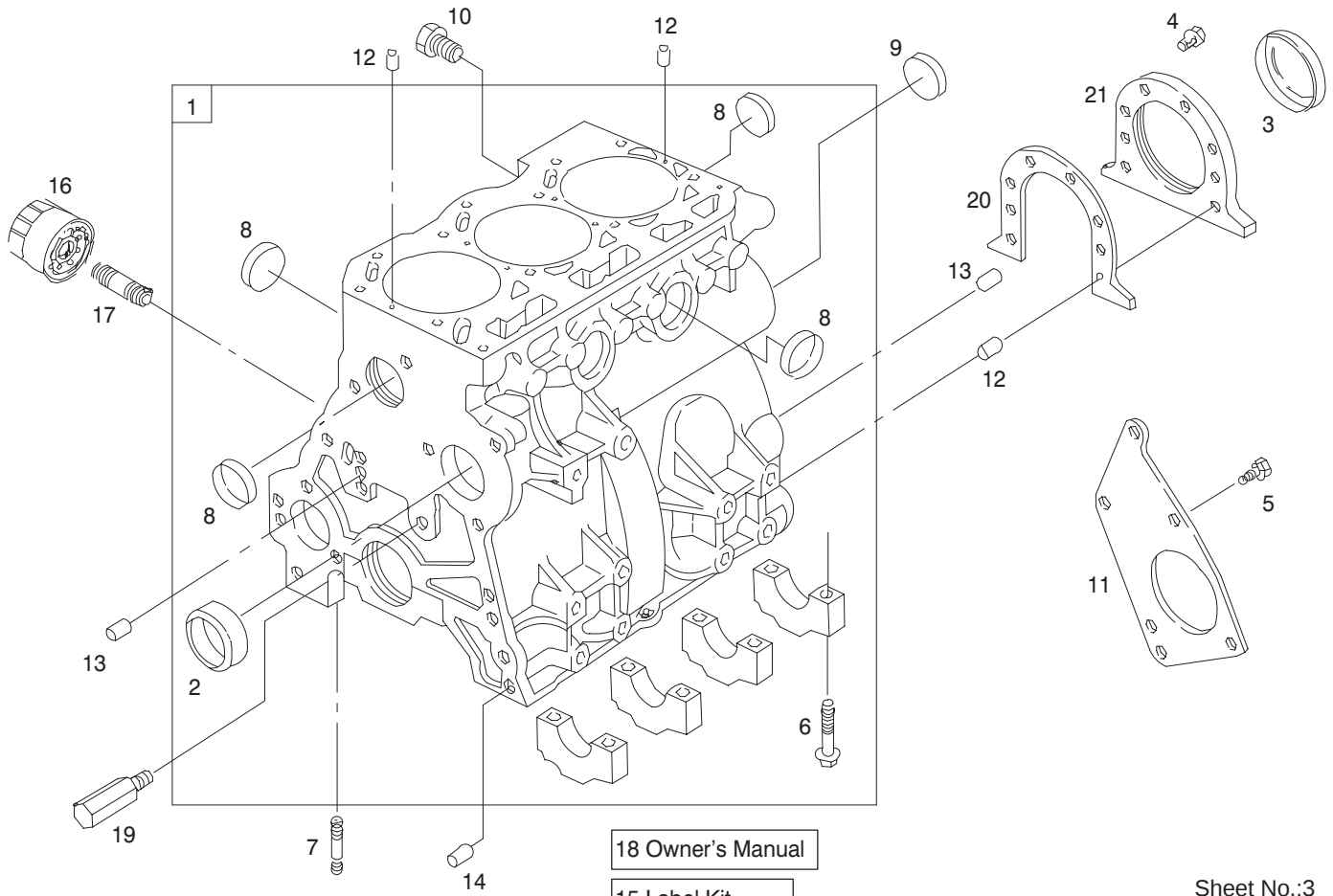


Electrical 23HP Assembly

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-Speedometer
6	12-5450	6	Screw
7	614249	1	Tie Strap
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 (only on: 73552)
12	3296-29	2	Nut-Lock, NI
13	3253-4	1	Washer
*	109355	1	Fuse-15 Amp
*	218-578	2	Fuse-10 Amp Blade Type
*	Nn10277	1	Fuse-30 Amp

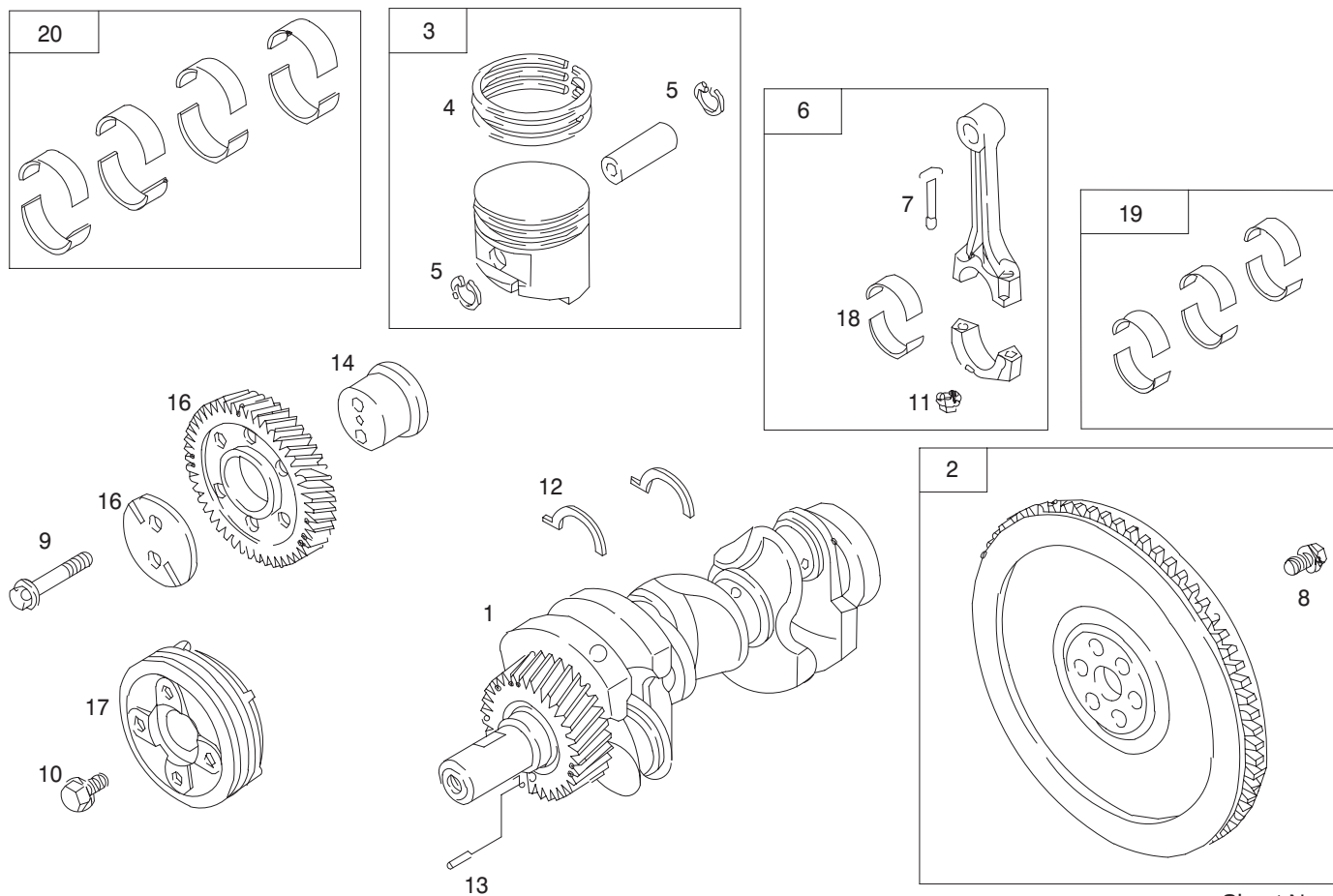
Ref. No.	Part No.	Qty.	Description

* Not illustrated



Engine Assembly

Ref. No.	Part No.	Qty.	Description	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				

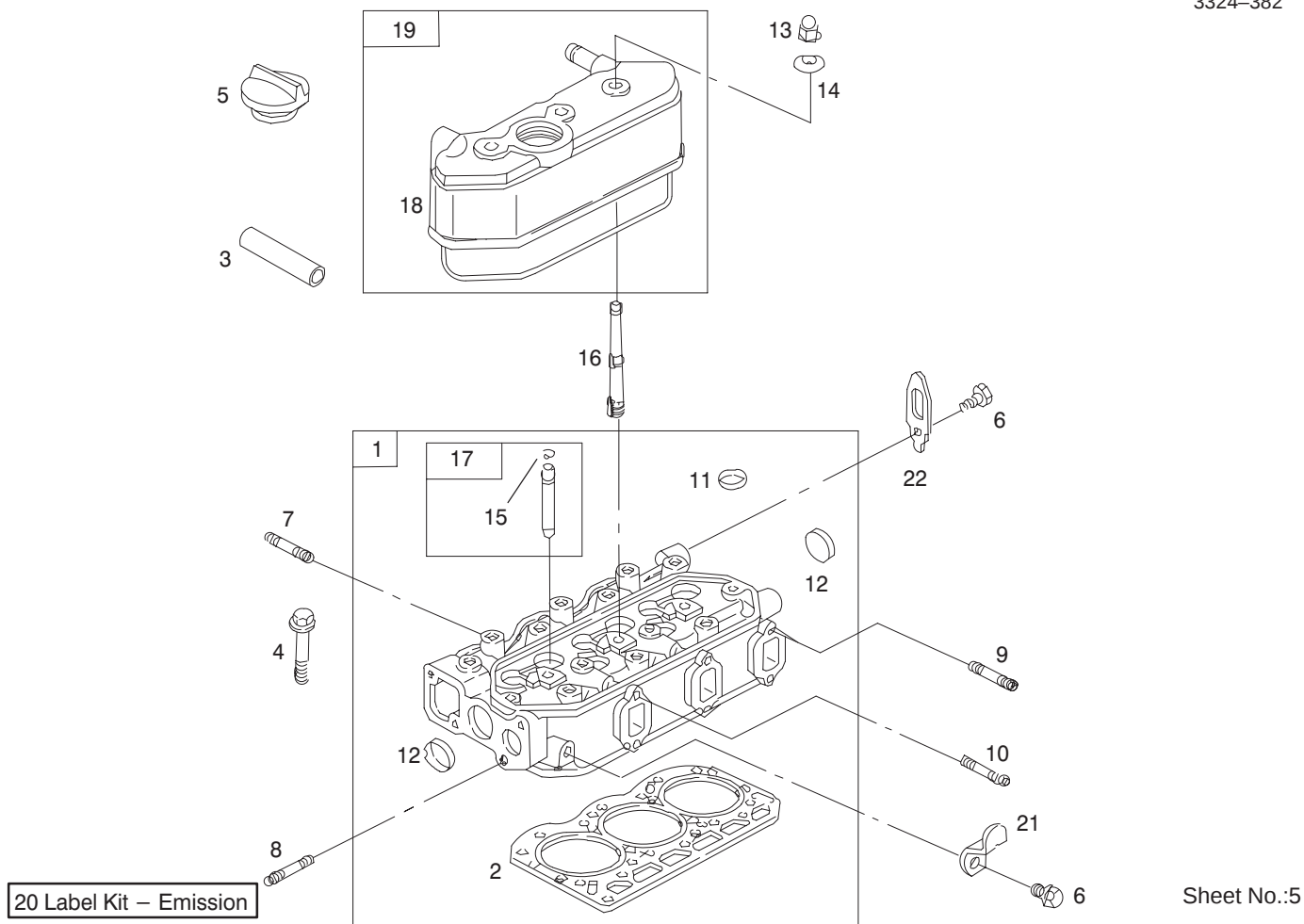


Sheet No.:4

Engine Assembly

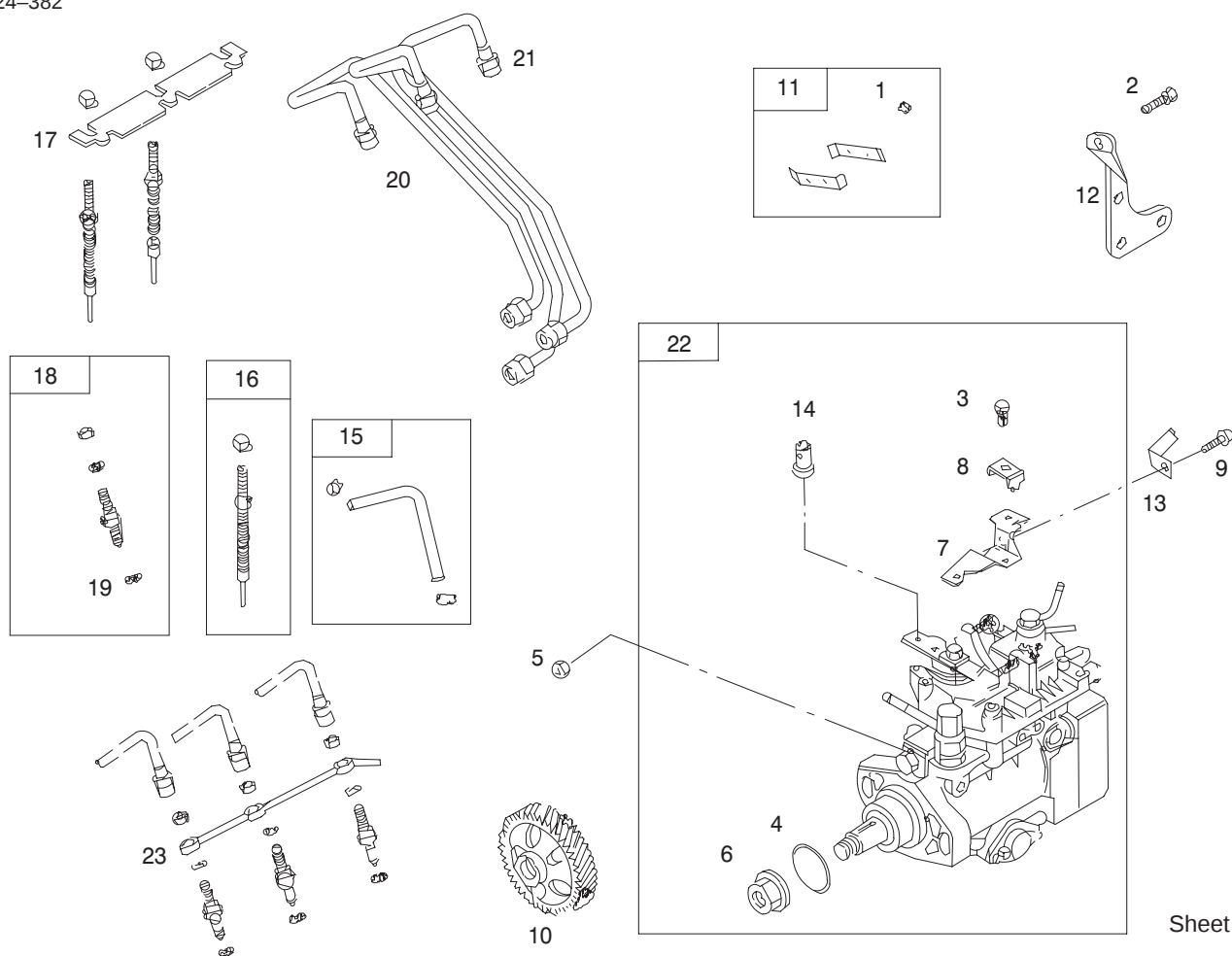
Ref. No.	Part No.	Qty.	Description
1	99-9603	1	Crankshaft
2	99-9024	1	Flywheel
3	99-9605	3	Piston Assembly
4	99-9606	3	Ring Set
5	99-9607	6	Lock-Piston Pin
6	99-9608	3	Rod-Connecting
7	99-9030	6	Screw-Connecting Rod
8	99-9031	6	Screw- Hex
9	99-9032	2	Screw-Hex
10	99-9033	1	Screw-Hex
11	99-9034	6	Nut-Hex
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



Engine Assembly

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

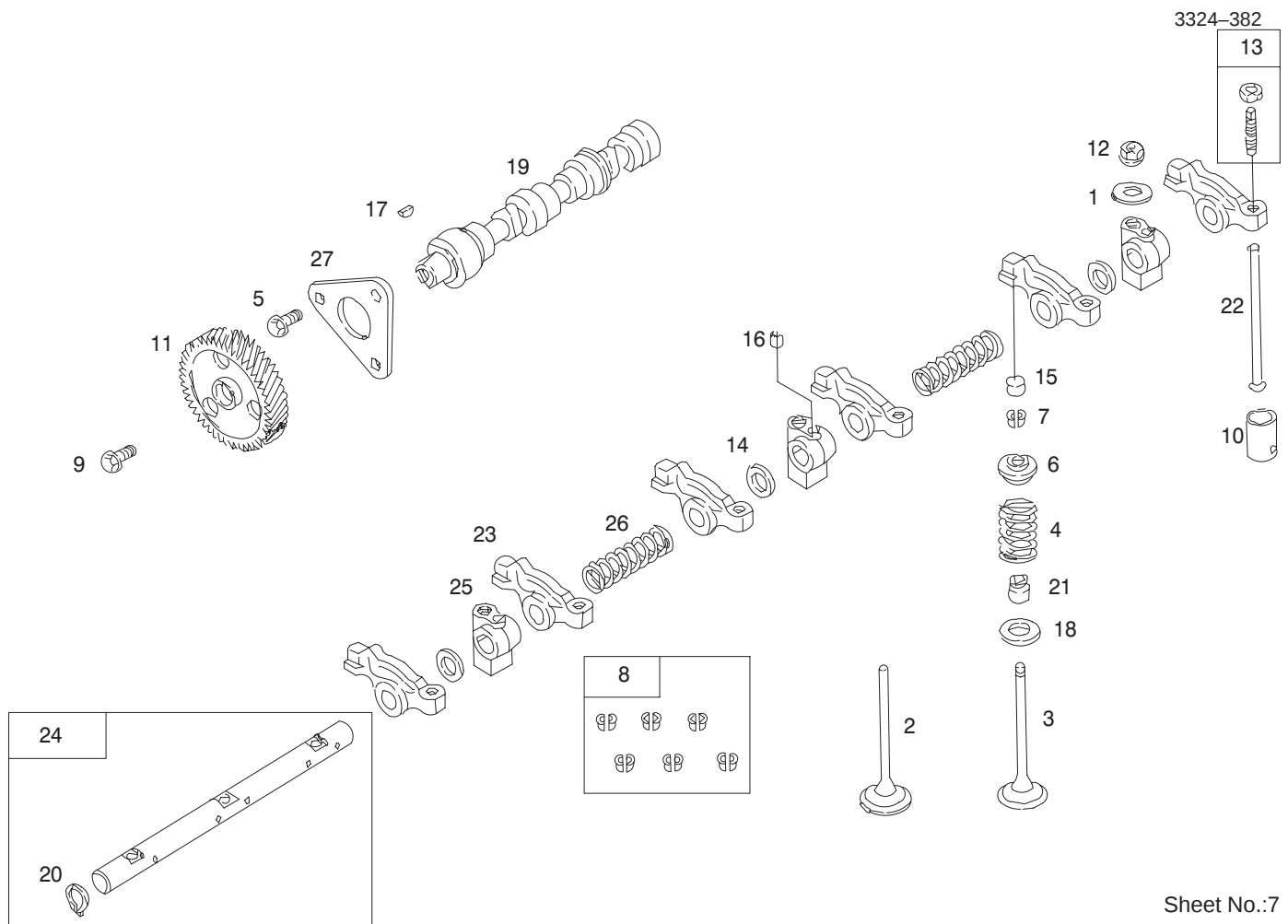


Sheet No.:6

Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	99-9004	2	Screw-Hex
2	99-9616	4	Screw-8mm Hex
3	99-9056	1	Screw-Hex
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	99-9194	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

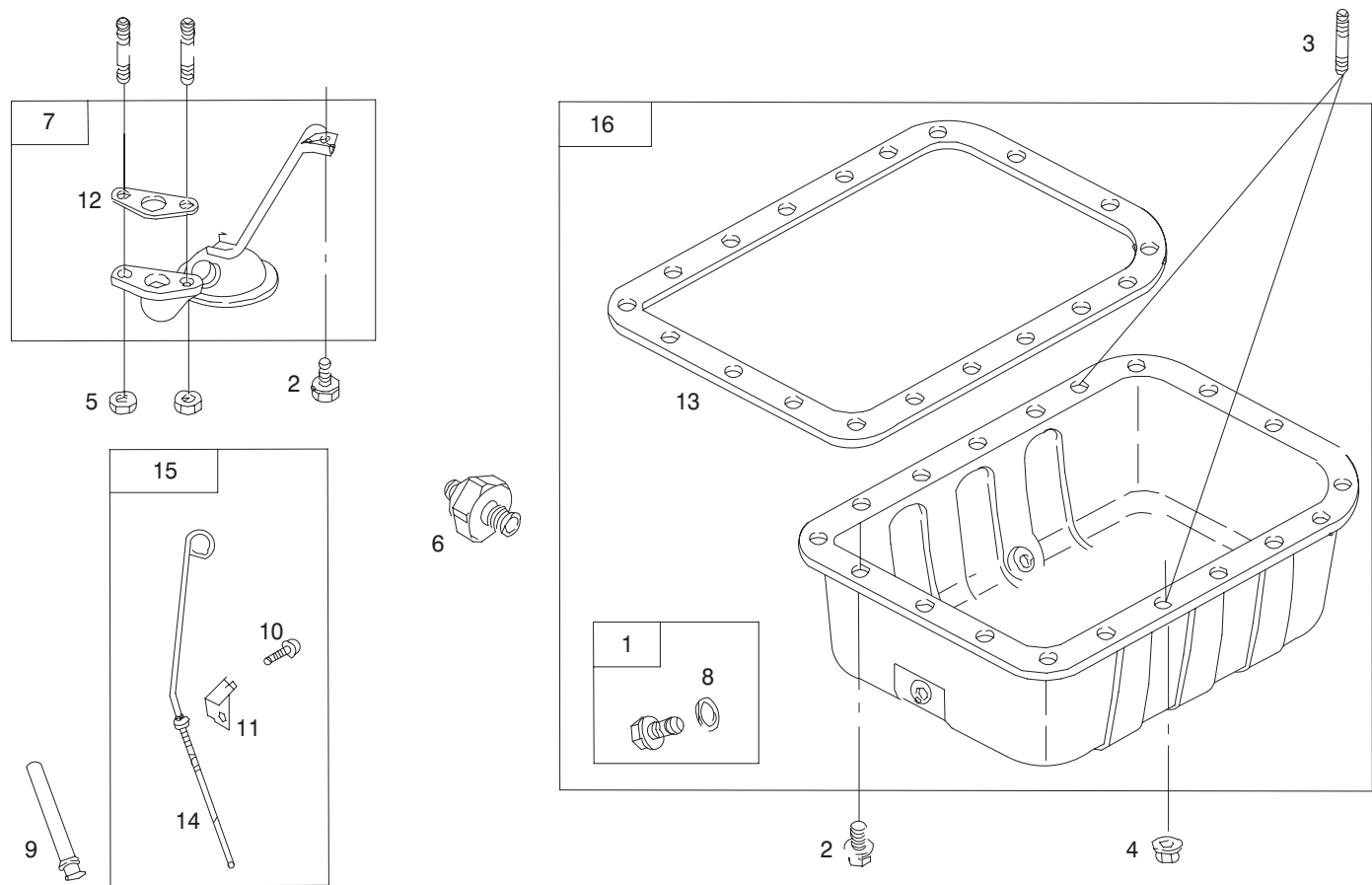
Ref. No.	Part No.	Qty.	Description



Sheet No.:7

Engine Assembly

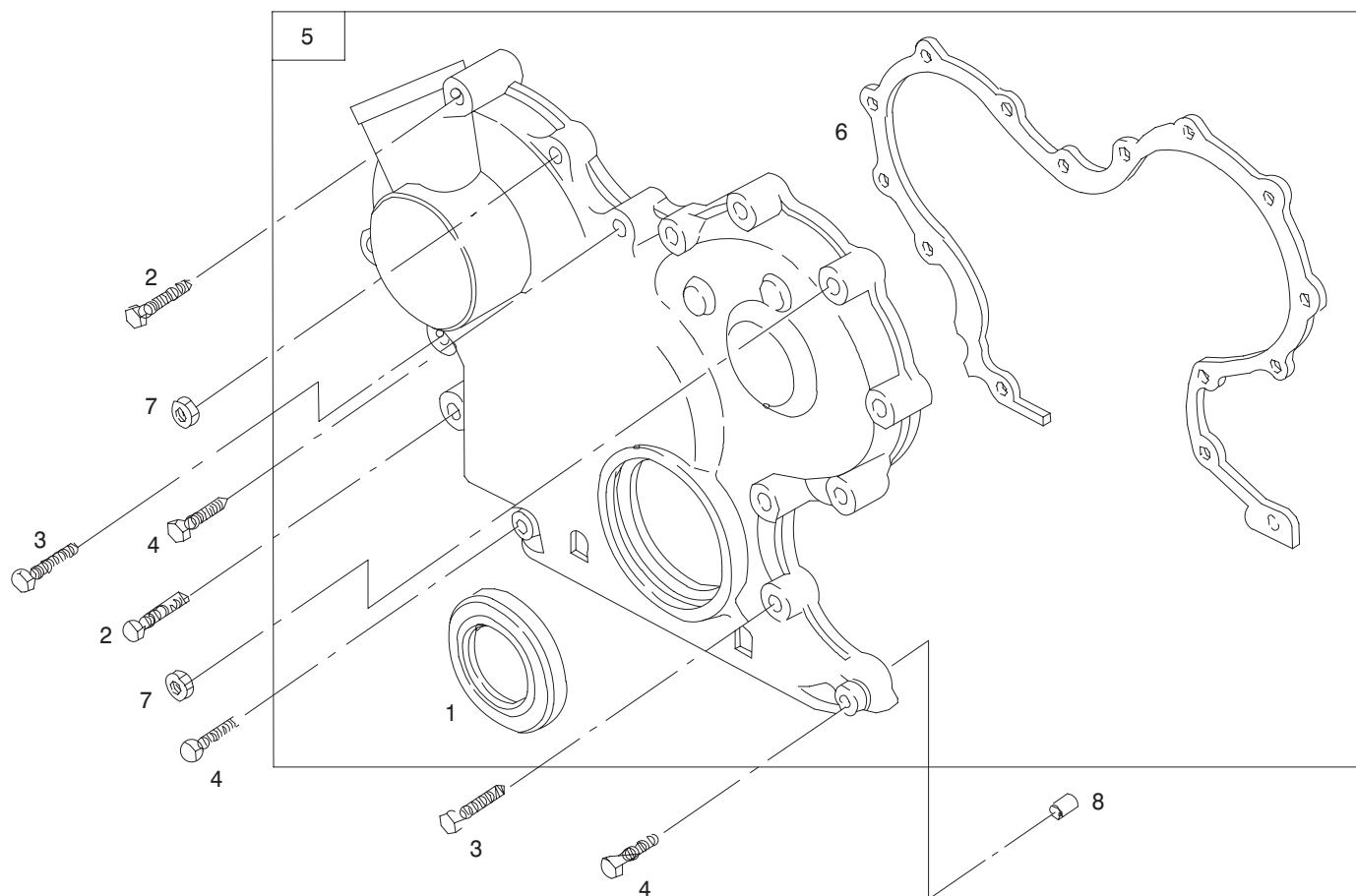
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	99-9079	3	Washer-Flat	26	99-9108	2	Spring-Rocker Shaft
2	99-9638	3	Valve-Exhaust	27	99-9109	1	Retainer-Camshaft
3	99-9639	3	Valve-Intake				
4	99-9640	6	Spring-Valve				
5	99-9083	3	Screw-6mm Hex				
6	99-9084	6	Retainer-Valve				
7	99-9086	1	Keeper-Valve				
8	99-9087	6	Keeper-Valve (Set Of 6)				
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				
25	99-9107	3	Support-Rocker Arm				



Sheet No.:8

Engine Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	99-9247	1	Plug-Oil Drain (16mm)				
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	99-9249	1	Washer-Seal (16mm)				
9	99-9118	1	Tube-Dipstickx				
10	99-9623	1	Screw-Hex				
11	99-9627	1	Bracket-Support				
12	99-9120	1	Gasket-Oil Strainer				
13	99-9121	1	Gasket-Oil Pan				
14	99-9122	1	Dipstick				
15	99-9648	1	Dipstick				
16	99-9241	1	Pan-Oil (16mm Dual Drain)				

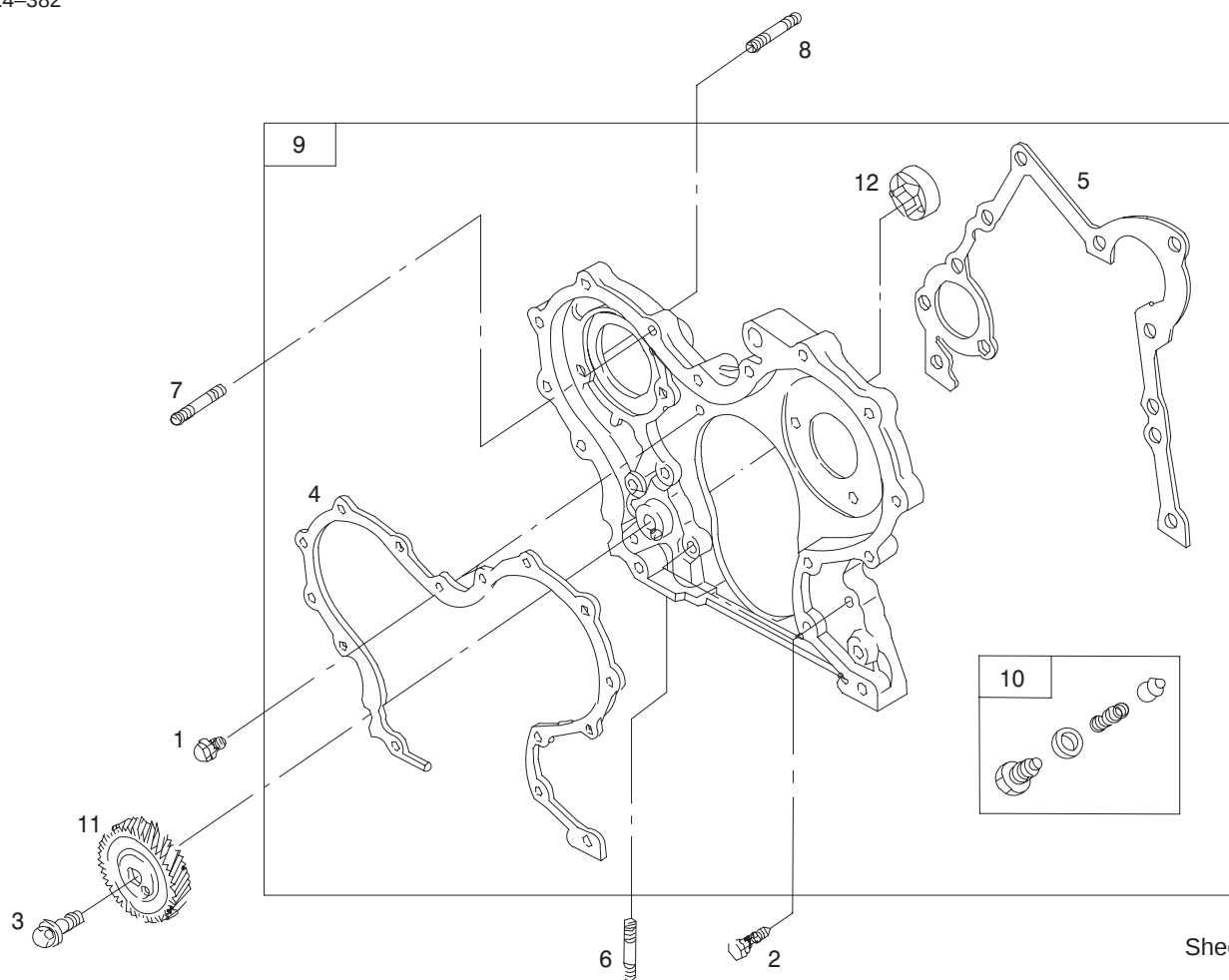


Sheet No.:9

Engine Assembly

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-G ar
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

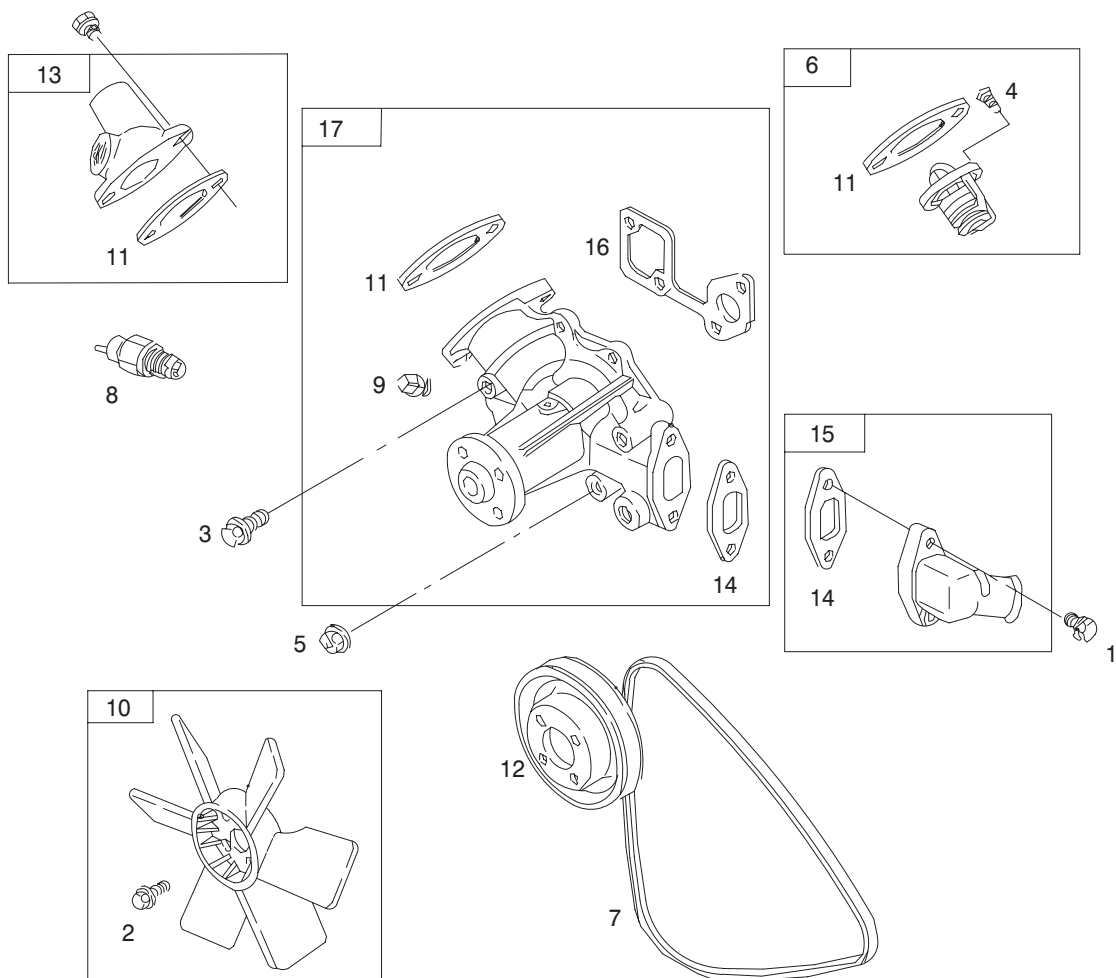


Sheet No.:10

Engine Assembly

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

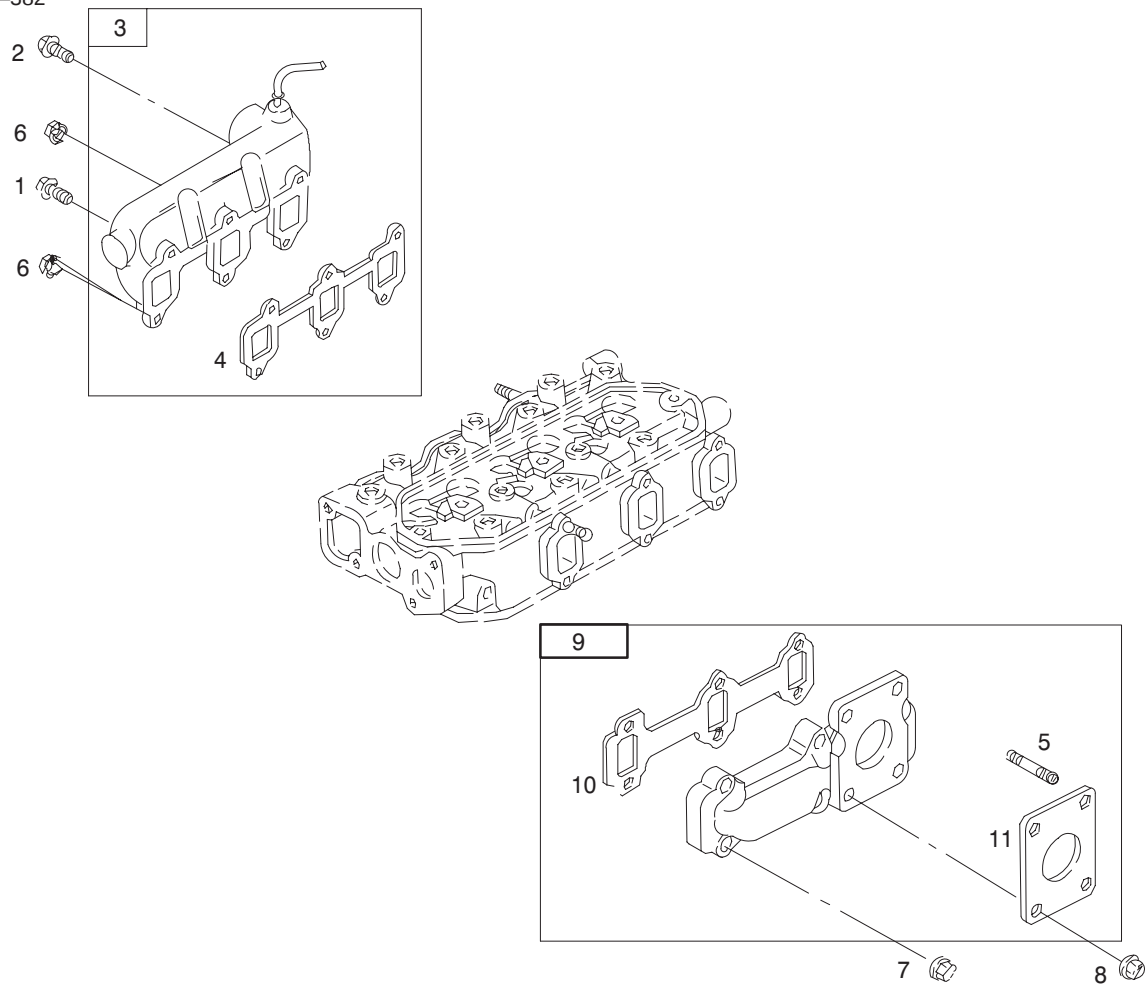
Ref. No.	Part No.	Qty.	Description



Sheet No.:11

Engine Assembly

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

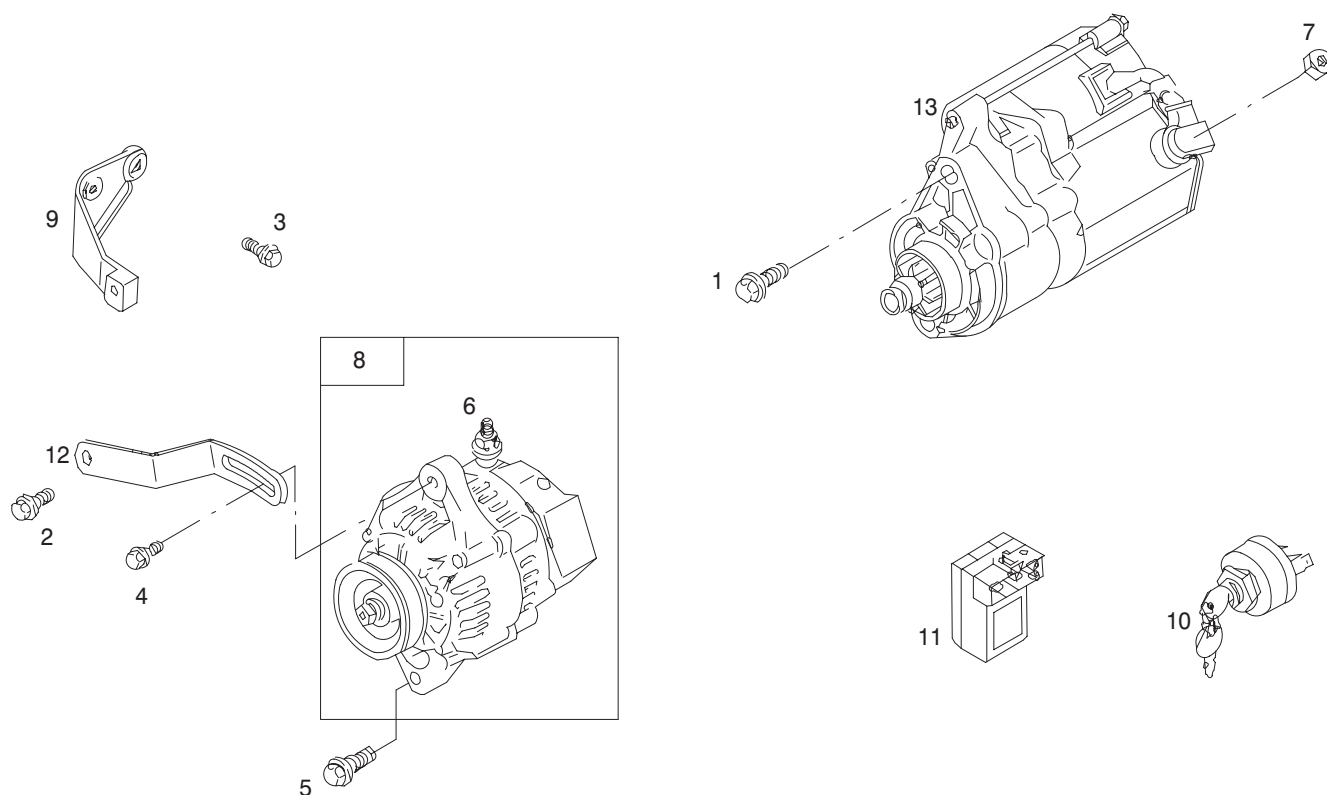


Sheet No.:12

Engine Assembly

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	99-9221	4	Stud-STD.
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

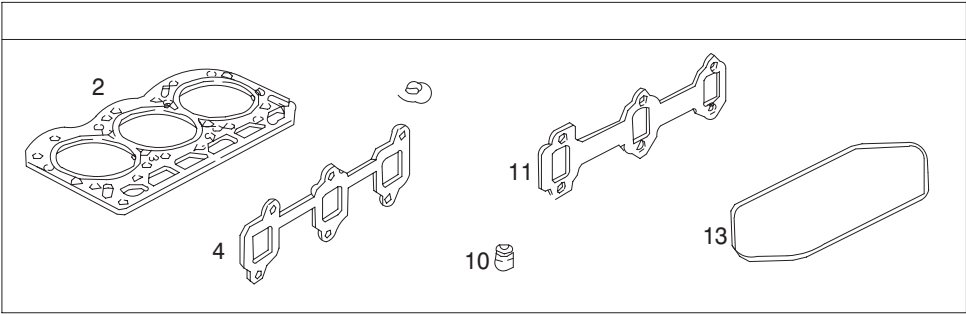
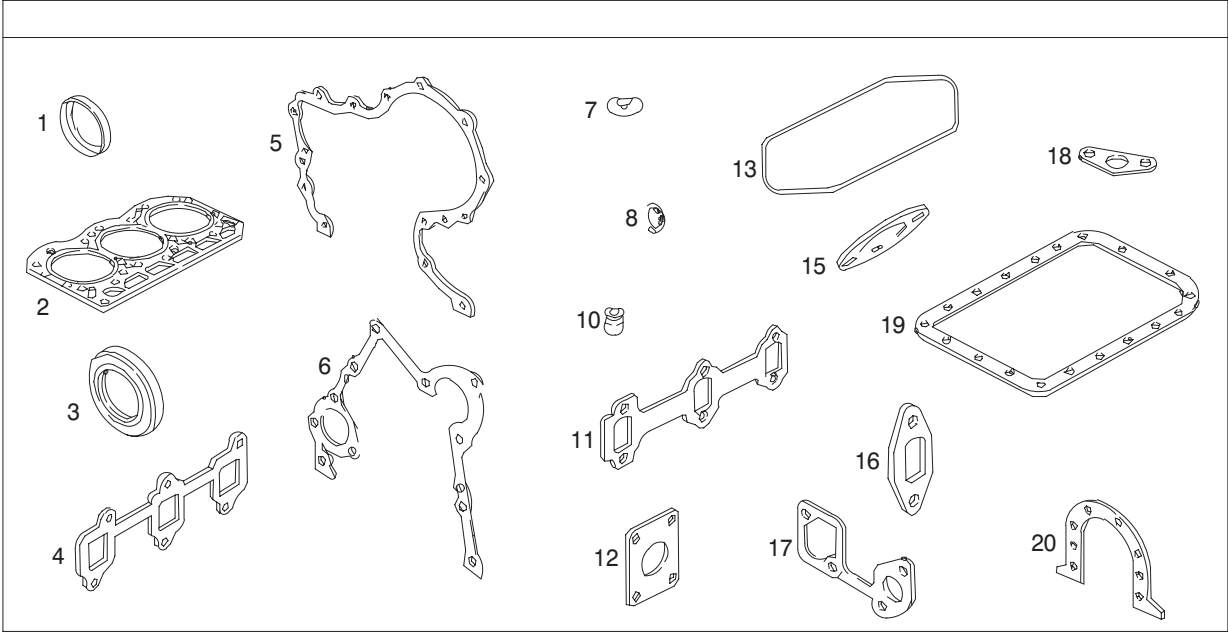


Sheet No.:13

Engine Assembly

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

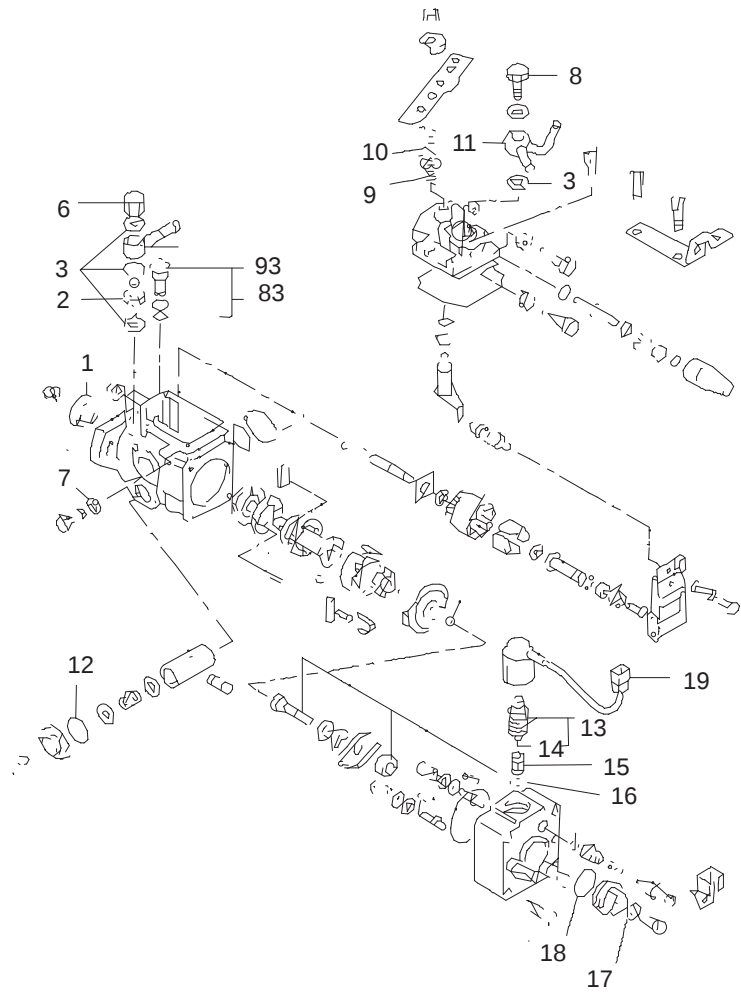


Sheet No.:14

Engine Assembly

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

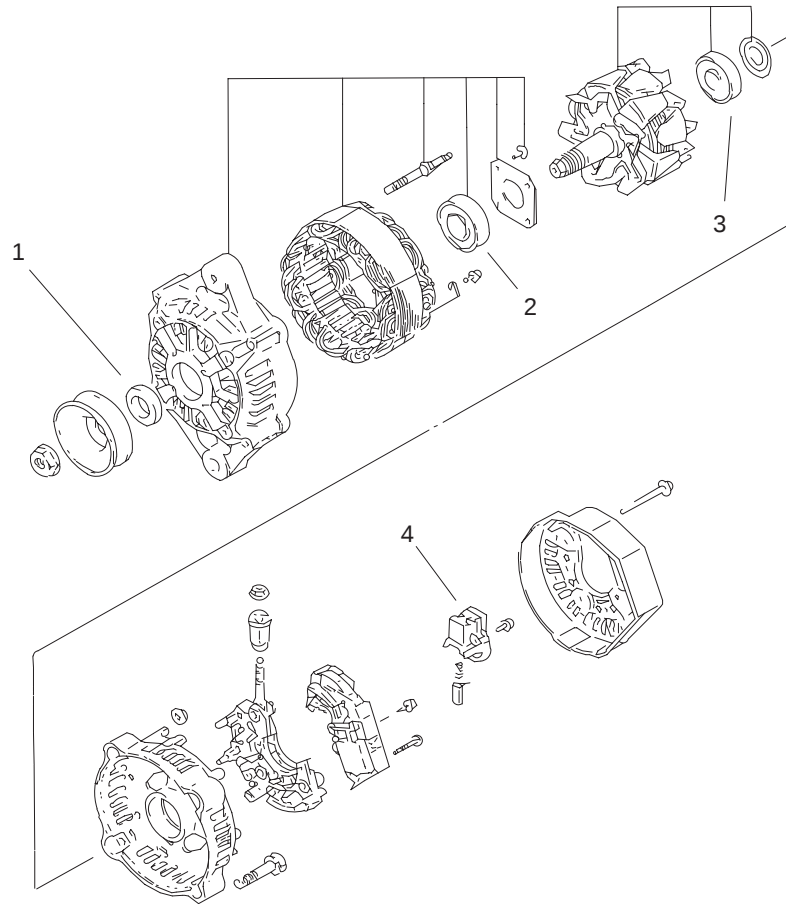
Ref. No.	Part No.	Qty.	Description



Sheet No.:A1

Engine Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	100-5190	1	Seal, Oil				
2	100-5234	1	Screw, Hollow				
3	100-5221	5	Washer, Air Bleede				
4	100-5222	1	Nipple Sub-ASM, S				
5	100-5230	1	Valve Sub-ASM, Re				
6	100-5302	1	Nut, Cap				
7	100-5314	2	Gasket, Delivery V				
8	100-5220	1	Screw, Sub-ASM, Ov				
9	100-5226	1	Spring Return				
10	100-5228	1	Spring Return				
11	100-5307	1	Nipple Sub-ASM,S				
12	100-5202	2	O-Ring				
13	100-5161	1	Solenoid ASM, Fule				
14	100-5162	1	O-Ring				
15	100-5303	1	Filter, Sub-ASM				
16	100-5304	1	Washer				
17	100-5205	1	Gasket, Delivery V				
18	100-5206	1	O-Ring				
19	100-5212	1	Wire, Sub ASM				

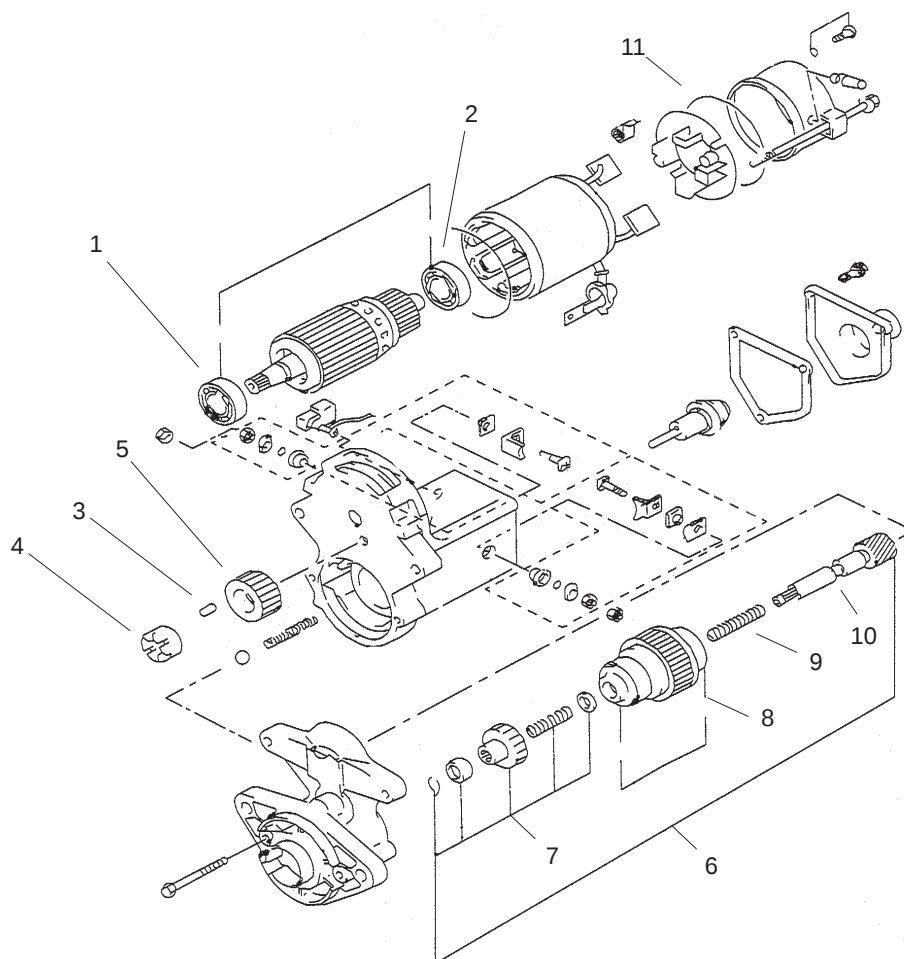


Sheet No.:A2

Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	100-5315	1	Collar
2	100-5316	1	Bearing
3	100-5317	1	Bearing
4	100-5318	1	Brush Holder ASM

Ref. No.	Part No.	Qty.	Description

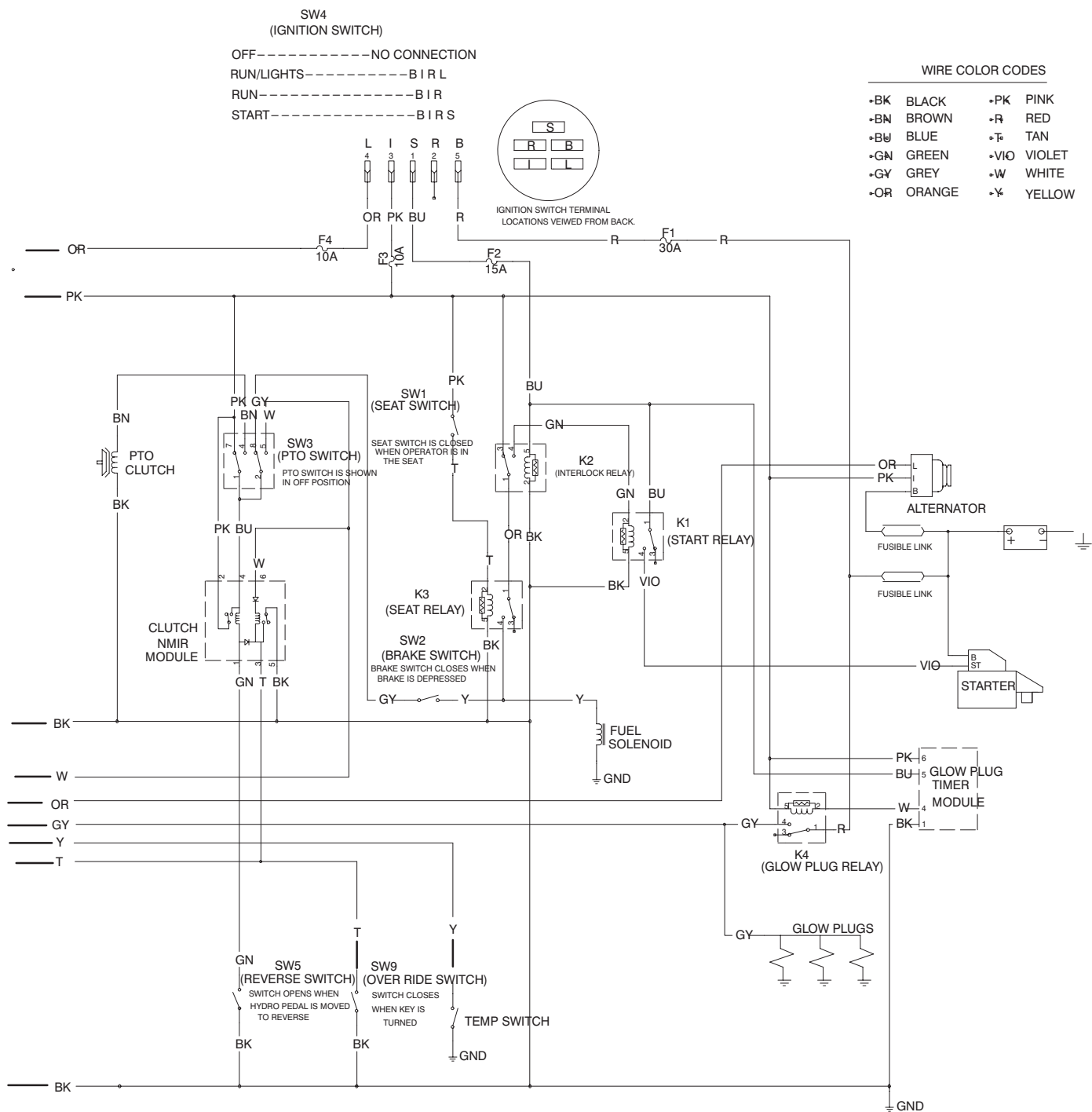


Sheet No.:A3

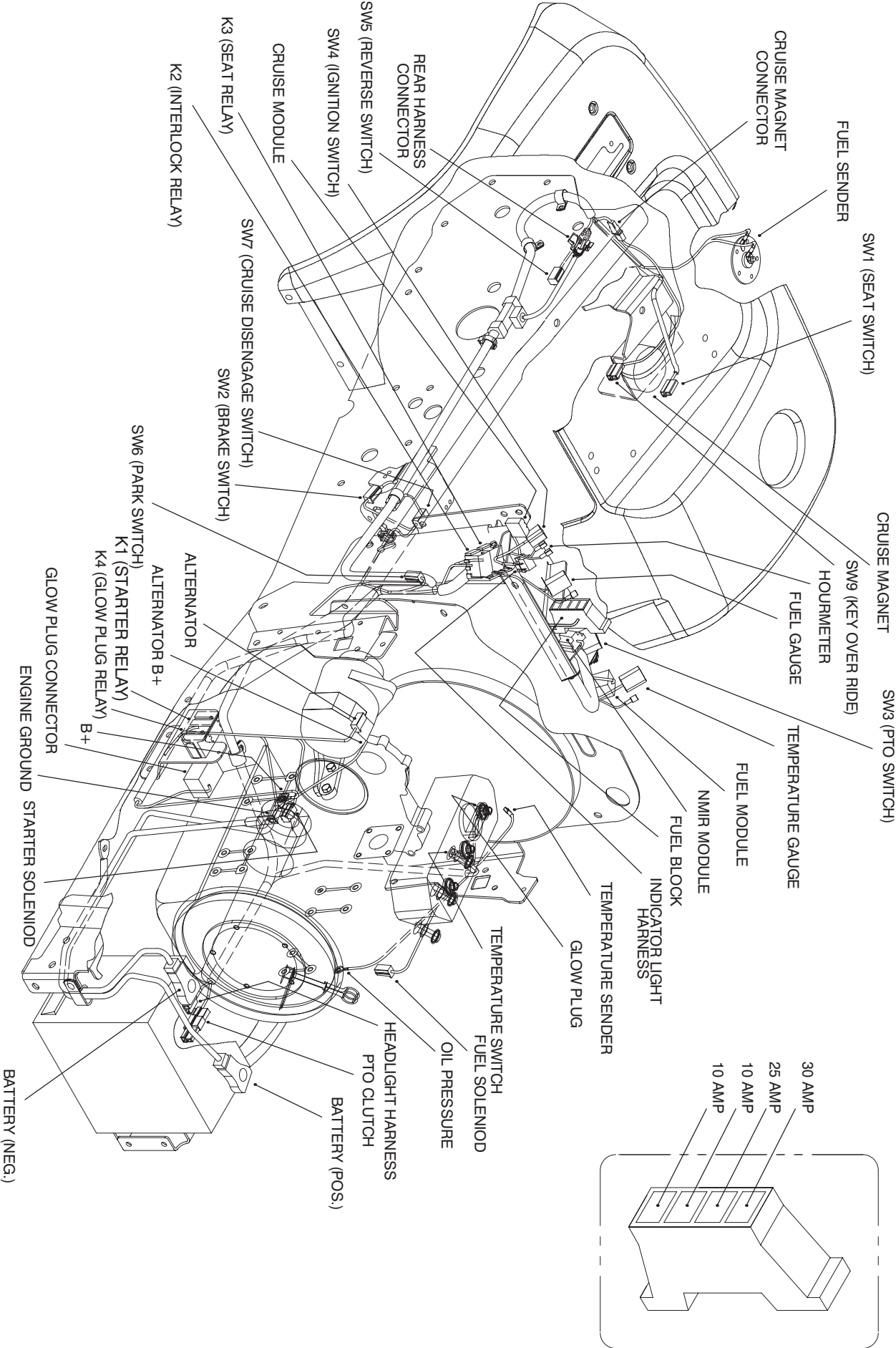
Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	100-5319	1	Bearing
2	100-5320	1	Bearing
3	100-5321	5	Roller-Clutch
4	100-5322	1	Retainer
5	100-5323	1	Pinion, Starter
6	100-5324	1	Clutch Sub-ASM, Starter
7	100-5325	1	Starter Kit
8	100-5326	1	Clutch-Starter
9	100-5327	1	Spring
10	100-5328	1	Shaft
11	100-5329	2	O-Ring

Electrical Schematic



Electrical Wiring Diagram



Maintenance Record

[illegible]

