



Wheel Horse® 523Dxi Garden Tractor

Model No. 73590–230000001 and Up

Parts Catalog

Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

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

Reference Numbers Indicating Quantity

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

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

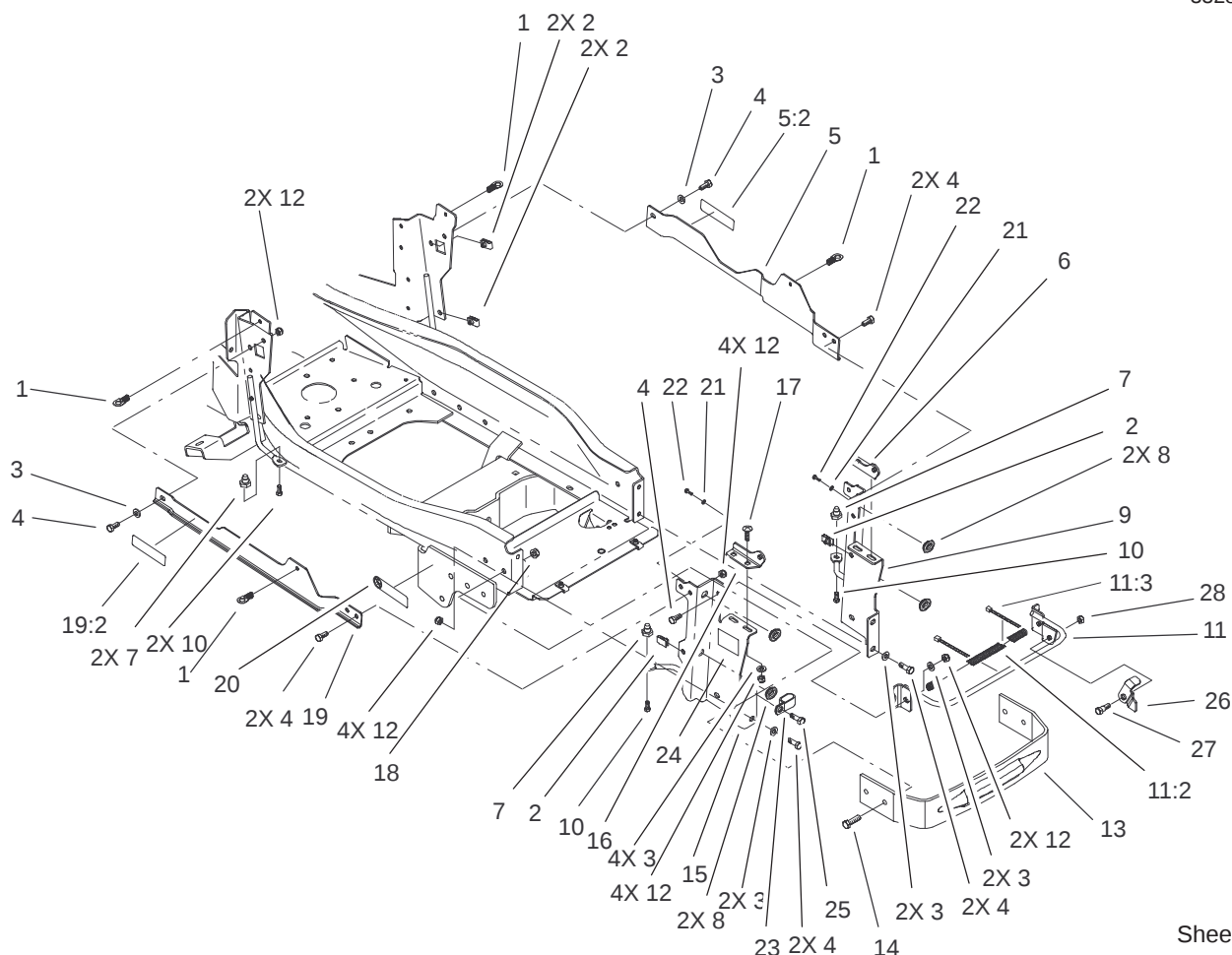
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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning	Abbreviation	Meaning
AR	as required	HYD	hydraulic
ASM	assembly	INC	incorporated
CARR	carriage	LH	left hand
DEG	degrees	NI	nylon insert
FH	flat head	PPH	Phillips pan head
GA	gauge	PTH	Phillips truss head
HF	hex flange	PTO	power take off
HH	hex head	RH	right hand
HHF	hex head flange	SFH	slotted fillister head
HLH	hex lag head	SHH	slotted hex head
HJ	hex jam	SQH	square head
HOC	height-of-cut	SHWH	slotted hex washer head
HS	hex socket	SPH	slotted pan head
HSBH	hex socket button head	SRH	slotted round head
HSFH	hex socket flat head	STD	standard
HSH	hex socket head	TAP	self tapping
HWH	hex washer head	TTH	Torx truss head
HWHTF	hex washer head thread forming	WH	wing head

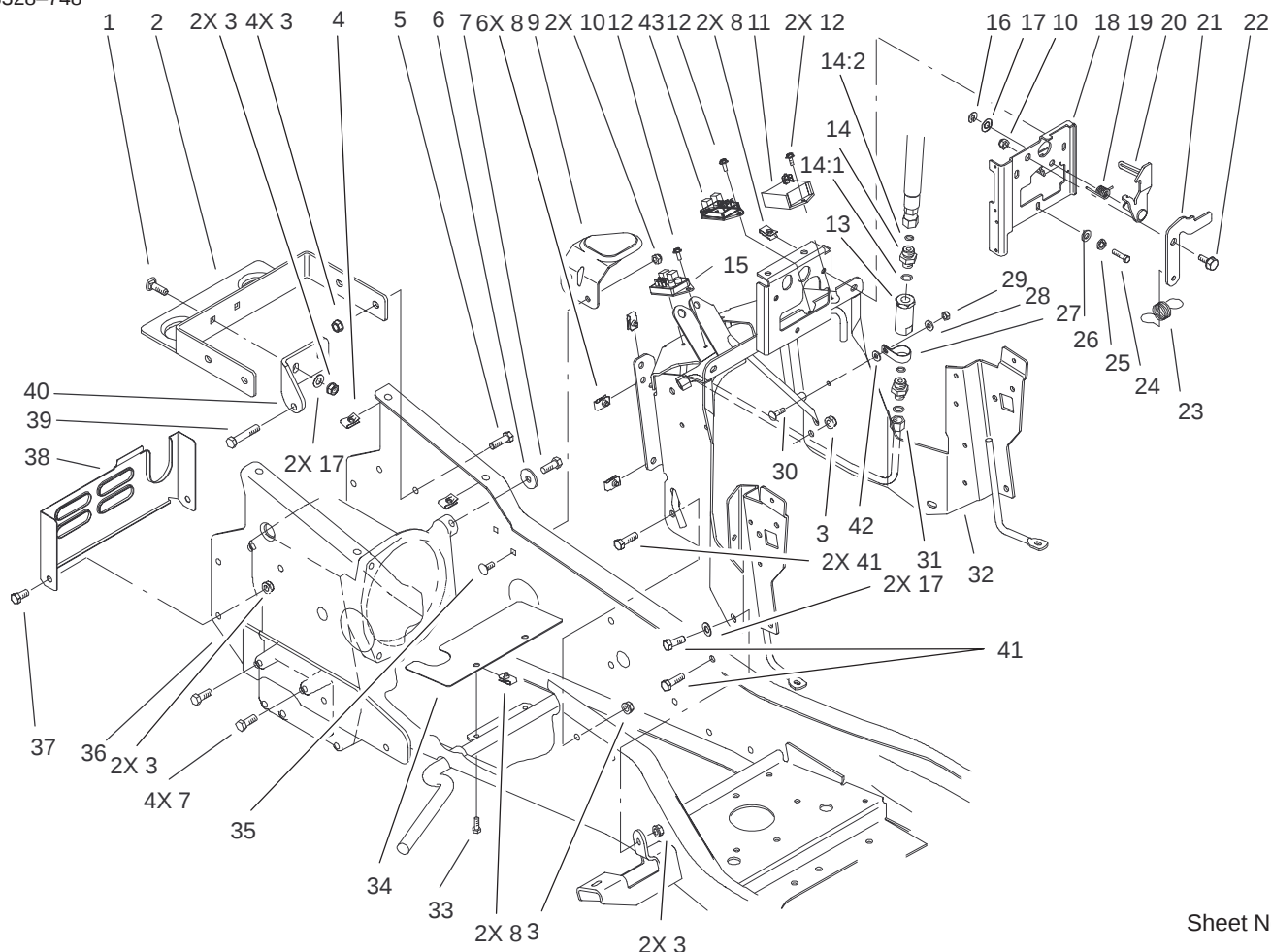


Sheet No.:3

Bumper & Hood Support

Ref. No.	Part No.	Qty.	Description
1	95-4013	4	Latch ASM
2	107069	6	Clip
3	3256-23	12	Washer-Flat
4	322-3	11	Screw-HH
5	98-5070	1	Support ASM
5:2	98-5015	1	Decal - Warning
6	98-9026-03	1	Bracket-Hinge, Lower LH
7	95-3989	4	Mount-Sidepanel
8	94-7910	4	Grommet
9	95-4082-03	1	Support-Hood LH
10	46-8093	4	Screw-Plastite
11	99-5305	1	Support-Hood ASM
11:2	95-4258	1	Cover - Brace
11:3	614249	2	Strap-Tie
12	3296-29	16	Nut-Lock, NI
13	94-2308-03	1	Bumper - Frame
14	323-7	4	Screw-HH
15	95-4081-03	1	Support-Hood RH
16	98-9027-03	1	Bracket-Hinge, Lower RH
17	3230-16	4	Screw-CARR
18	3296-39	4	Nut-Lock, NI
19	99-5344	1	Support ASM
19:2	98-5015	1	Decal - Warning

Ref. No.	Part No.	Qty.	Description
20	92-8747	2	Decal-Attach-A-Matic
21	3256-61	2	Washer-Flat
22	32144-42	2	Screw-HH
23	98-1617	1	Clamp-Tube
24	93-8069	2	Decal-Surface, Hot
25	322-5	1	Screw-HH
26	98-9015	1	Lever - Hood Prop
27	37-8771	1	Bolt-Shoulder
28	3296-47	1	Nut-Lock, NI

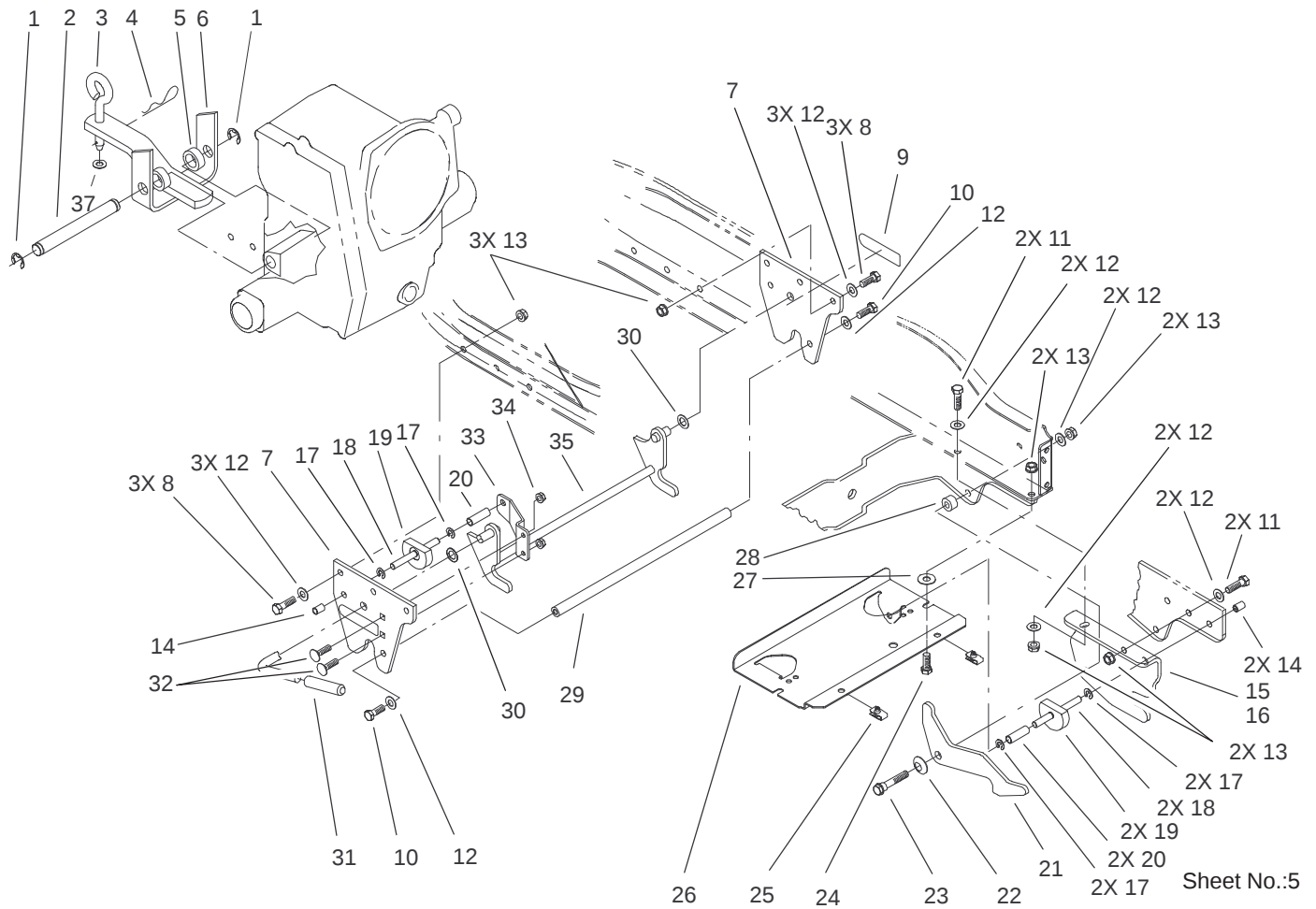


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Steering Tower & Fuel Tank Support Assembly

Ref. No.	Part No.	Qty.	Description
1	3231-25	2	Screw-CARR
2	94-7740-03	1	Support-Gas Tank
3	3296-39	12	Nut-Lock, NI
4	94-2413	4	U-Nut
5	323-7	4	Screw-HH
6	2844	1	Washer
7	3235-22	5	Screw-HH Lock
8	107069	10	Clip
9	95-3961-03	1	Support - Fuel Tank
10	3296-29	3	Nut-Lock, NI
11	99-1939	1	Module-Low Fuel
12	32144-112	4	Screw-HWHTF
13	95-3991	1	Filter - Hydraulic Screen
14	95-4138	2	Fitting-HYD. 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	Lever-Latch
21	95-3900	1	Latch - Tension Lever
22	37-8771	1	Bolt-Shoulder
23	95-3895	1	Spring - Latch Lever

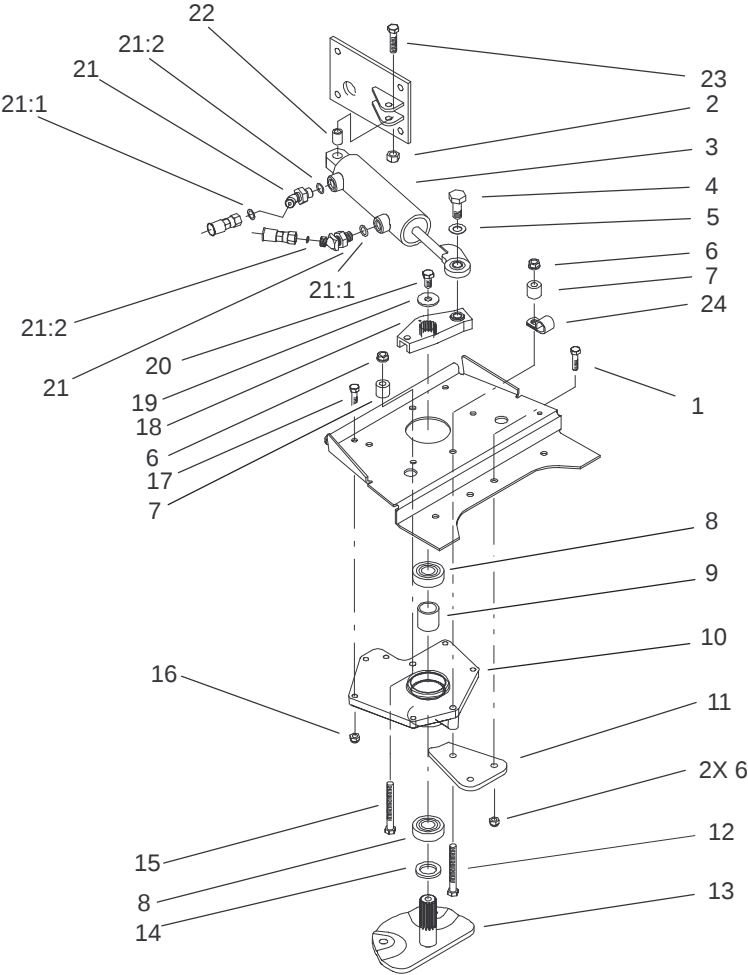
Ref. No.	Part No.	Qty.	Description
24	321-4	3	Screw-HH
25	3253-3	3	Washer-Lock
26	3256-22	3	Washer-Flat
27	2412-106	1	Clamp-R
28	3256-22	1	Washer-Flat
29	3296-42	1	Nut-Lock, NI
30	3229-1	1	Screw-CARR
31	94-7971	1	Tube - Hydraulic
32	99-4441-03	1	Tower ASM
33	321-4	2	Screw-HH
34	95-4246	1	Baffle - Fan
35	3230-20	2	Screw-CARR
36	99-5306-03	1	Frame
37	323-4	2	Screw-HH
38	95-4005-03	1	Cover - Rear
39	94-7972	1	Screw - HH
40	94-7739-03	1	Strap-Torque
41	323-6	4	Screw-HH
42	32115-15	1	Pushnut-Retainer, Bolt
43	99-3701	1	Module-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
7	94-2251-03	2	Plate - Hitch
8	323-44	6	Screw-HH
9	98-1632	2	Decal - Attach-A-Matic
10	3235-22	2	Screw-HH Lock
11	323-7	4	Screw-HH
12	3256-24	16	Washer-Flat
13	3296-39	14	Nut-Lock, NI
14	105316	3	Cap-Plunger Rod
15	94-2230-03	1	Hanger-RH
16	94-2231-03	1	Hanger - LH
17	105797	6	Ring-Retaining
18	94-2256	3	Rod - Lock
19	94-2258	3	Lock - Latch
20	8616	3	Spring
21	94-7777	2	Latch-Pulley Box
22	3290-221	2	Washer-Spring
23	92-7674	2	Bolt
24	323-6	2	Screw-HH
25	107069	2	Clip

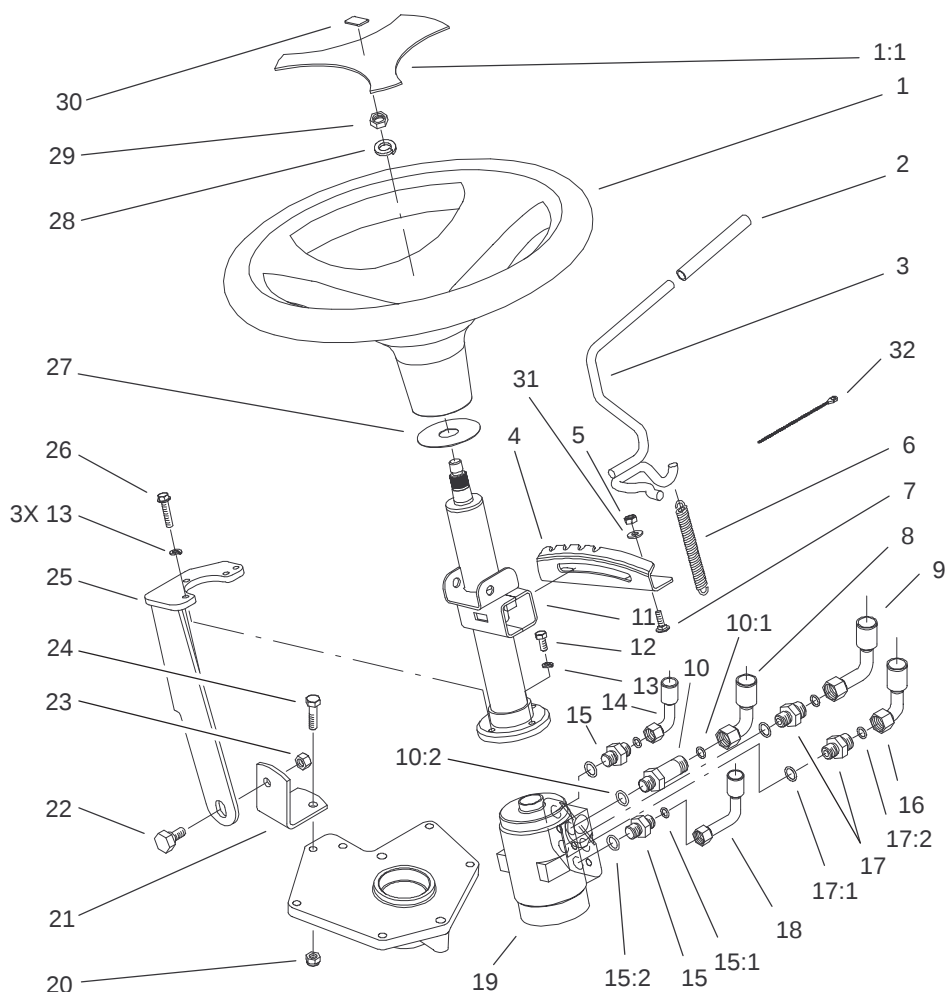
Ref. No.	Part No.	Qty.	Description
26	94-2304-03	1	Tray - Battery
27	3256-24	2	Washer-Flat
28	94-2233	2	Spacer
29	94-2475	1	Rod - Spacer
30	98-1629	2	Washer
31	9038	1	Grip
32	3230-2	2	Bolt-CARR
33	94-7855-03	1	Bracket-Mid Arm
34	3296-29	2	Nut-Lock, NI
35	94-2250-03	1	Latch
37	3256-26	1	Washer-Flat



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Power Steering Lower Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	323-7	2	Screw-HH	21:1	237-42	1	O-Ring
2	108881	1	Nut	21:2	237-21	1	O-Ring
3	99-1909	1	Cylinder-Power Steering	22	99-2320	1	Spacer-Cylinder
4	94-7976	1	Screw-HH	23	323-9	1	Screw-HH
5	98-3087	1	Washer	24	98-2358	1	Clamp - R
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	Housing-Power Steering				
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 Steering, Upper				
19	2844	1	Washer				
20	98-3052	1	Screw-Locking, Thread				
21	95-4136	2	Fitting - Hydraulic 45				

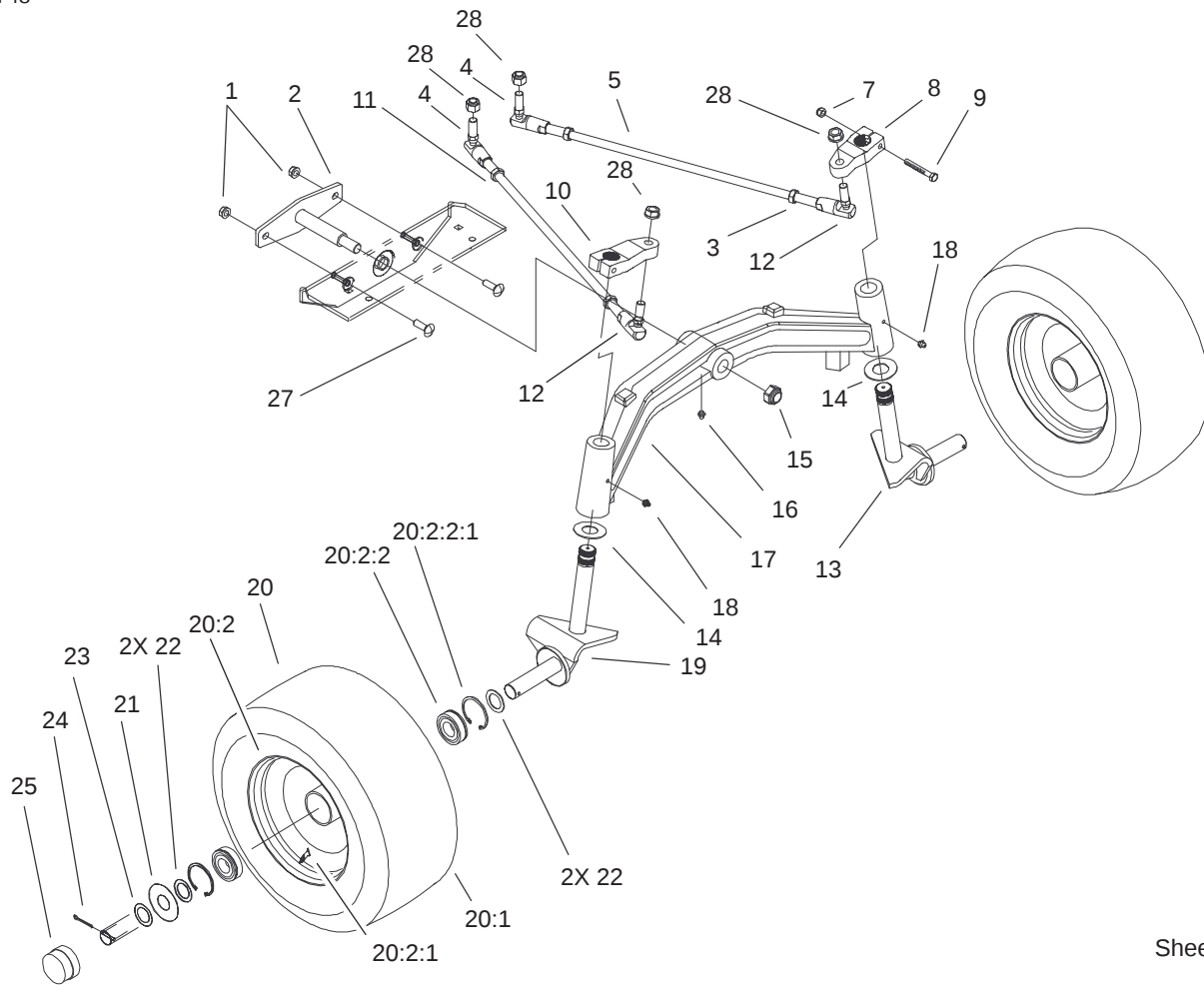


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Power Steering & Tilt Assembly

Ref. No.	Part No.	Qty.	Description
1	98-1474	1	Wheel-Steering
1:1	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, NI
6	95-3805	1	Spring
7	3229-1	2	Screw-CARR
8	94-7947	1	Assembly - Hose
9	94-7949	1	Hose-ASM
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	Hose-ASM
15	340-1	2	Adapter
15:1	237-35	1	O-Ring
15:2	237-42	1	O-Ring
16	95-3807	1	Hose ASM
17	95-4138	2	Fitting-HYD. Straight
17:1	237-22	1	O-Ring
17:2	237-42	1	O-Ring

Ref. No.	Part No.	Qty.	Description
18	94-7946	1	Hose ASM
19	94-7567	1	Control Unit-Power Steering
20	3296-29	2	Nut-Lock, NI
21	94-7599-03	1	Bracket-Pivot
22	94-7582	1	Bolt - Shoulder
23	108881	1	Nut
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
30	98-1459	1	Decal
31	3256-22	2	Washer-Flat
32	614249	2	Strap-Tie



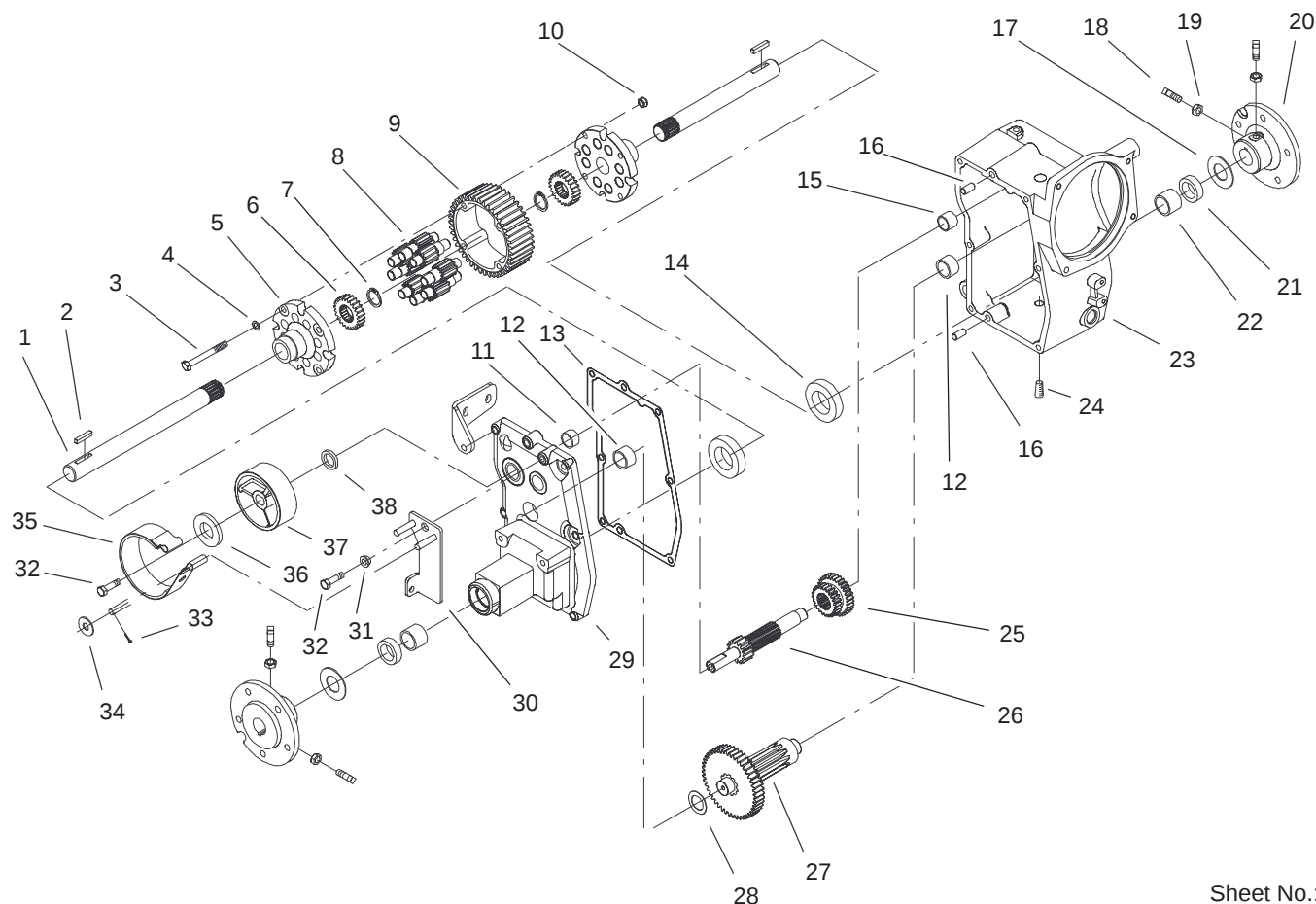
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Tie Rod, Spindle & Front Axle Assembly

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-Jam
4	94-7539	2	Balljoint - LH Thread
5	100-1121	2	Rod-Tie
7	3296-29	2	Nut-Lock, NI
8	94-2197	1	Arm - Steering LH
9	322-32	2	Screw-HH
10	94-2196	1	Arm - Steering RH
11	3220-12	2	Nut-HJ, LH Thread
12	98-8086	2	Balljoint - RH Thread
13	94-7537-03	1	Spindle-LH
14	9548	2	Washer-Thrust
15	3296-61	1	Nut-Lock
16	302-5	1	Fitting-Grease
17	94-7568-03	1	Axle-Front
18	302-5	2	Fitting-Grease
19	94-7536-03	1	Spindle-RH
20	99-3695	2	Wheel & Tire ASM
20:1	99-3696	1	Tire
20:2	94-7541	1	Rim ASM
20:2:1	5108	1	Valve
20:2:2	94-7538	2	Bearing
20:2:2:1	94-2053	1	Ring-Snap
*	112819	1	Tube-Inner
21	95-4060	2	Washer - Wheel

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

* Not illustrated

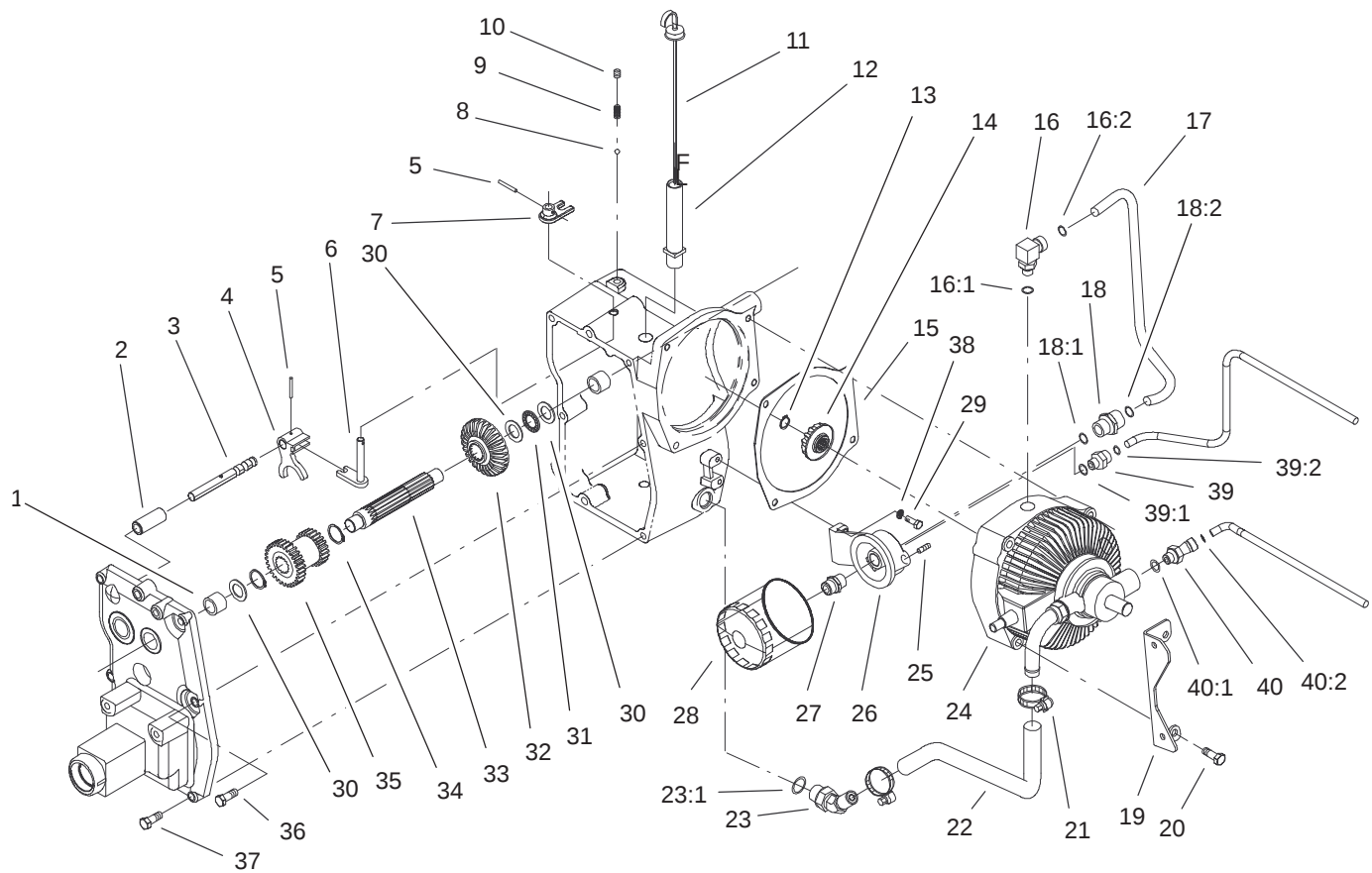


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Hydro Transaxle Assembly

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

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



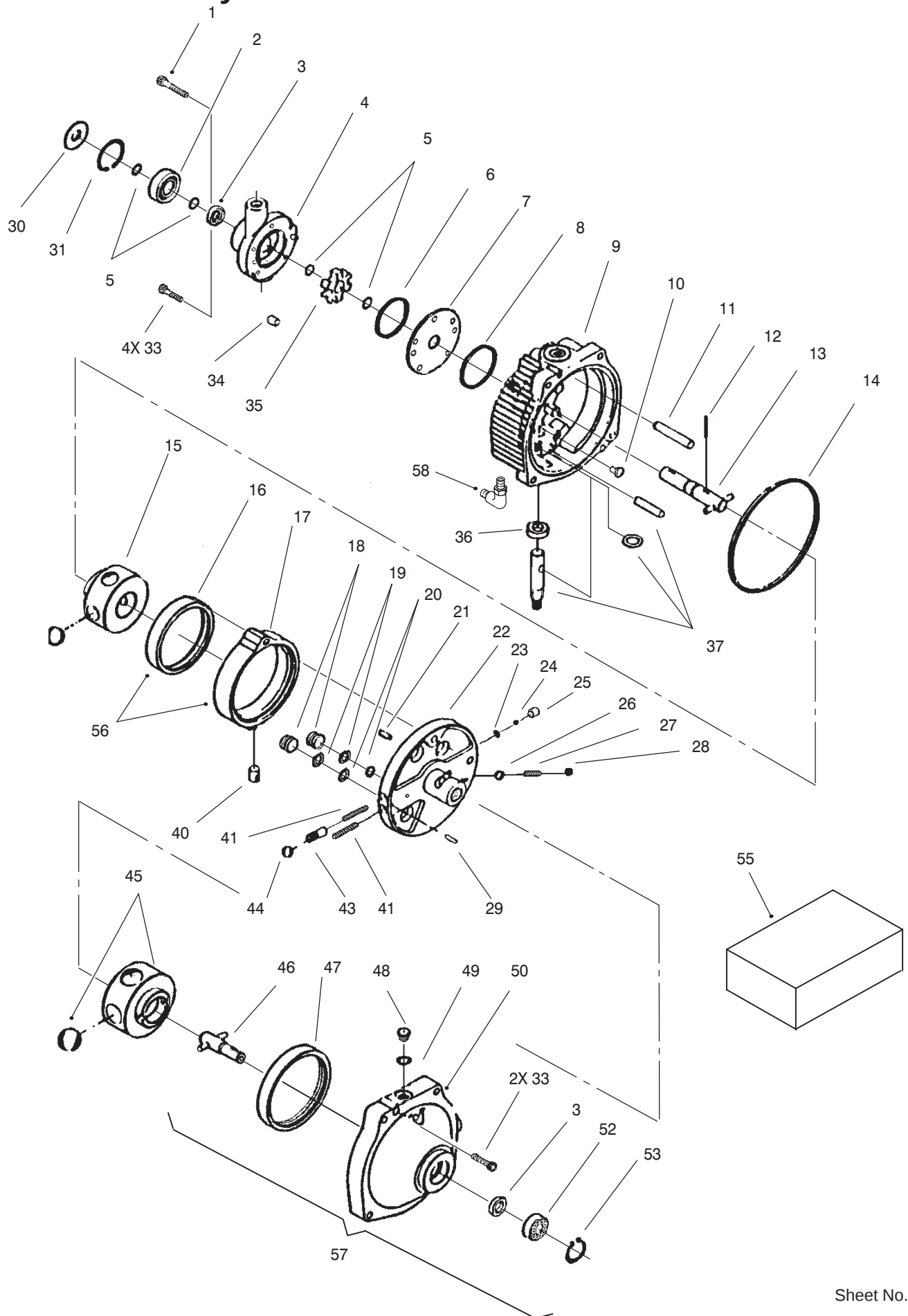
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Hydro Trans Axle Assembly (cont.)

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

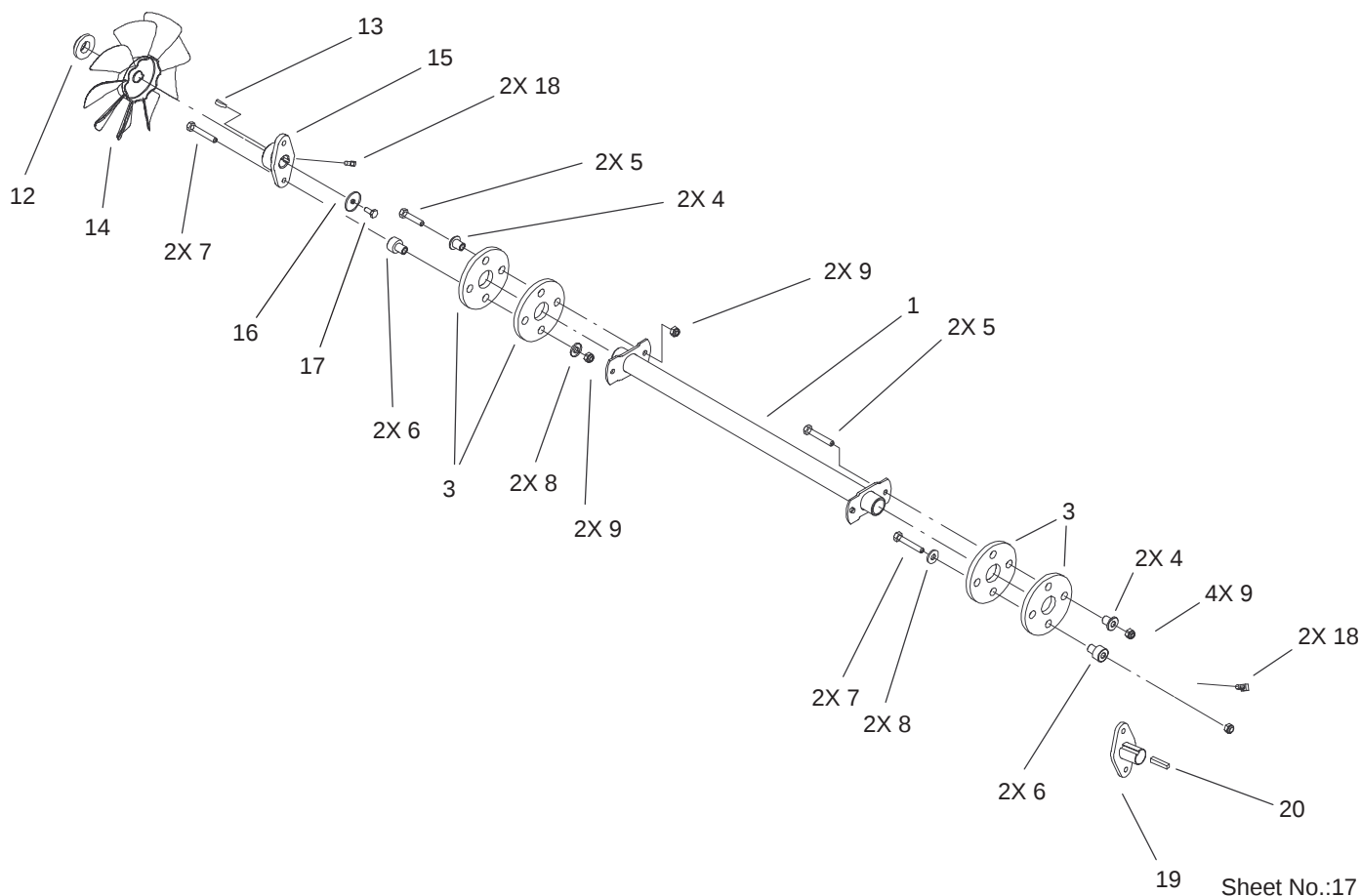
Ref. No.	Part No.	Qty.	Description
23	94–7692	1	Fitting – Hose
23:1	237–80	1	O–Ring
24	94–2003	1	Transmission – Hydro
25	99–8551	1	Plug–Pipe
26	108323	1	Base–Filter
27	5991	1	Fitting
28	98–3596	1	Ass’y–Oil Filter
29	321–5	2	Screw–HH
30	1535	3	Washer–Thrust
31	8571	1	Bearing–Thrust
32	94–7566	1	Gear –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

Hydro Transmission No. 94-2003



Ref. No.	Part No.	Qty.	Description

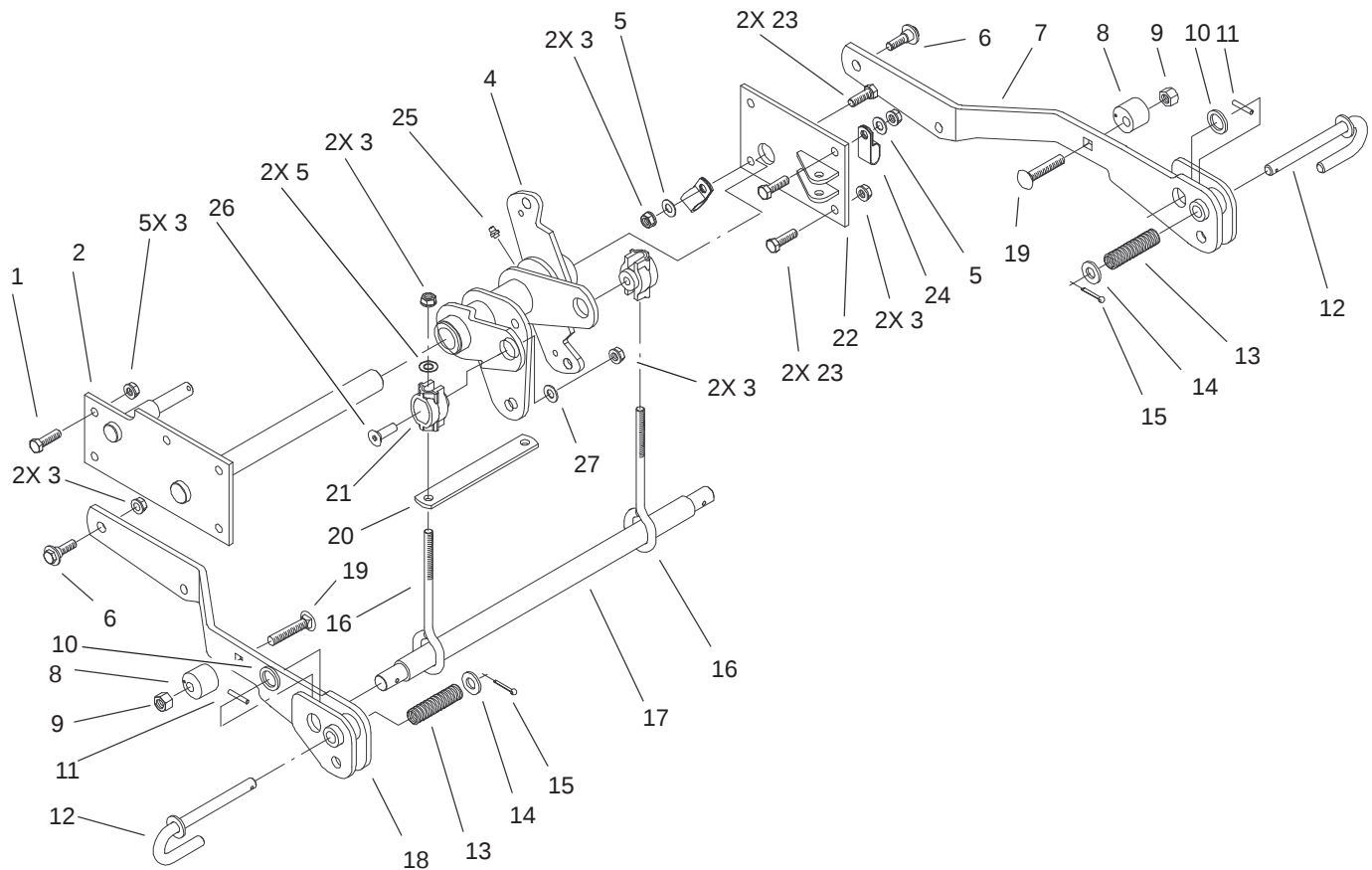
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Drive Shaft Assembly

Ref. No.	Part No.	Qty.	Description
1	94-2373-03	1	Shaft-Drive
3	44-2230	4	Coupling-Rubber
4	71-4411	4	Spacer
5	322-7	4	Screw-HH
6	71-4410	4	Spacer
7	322-11	4	Screw-HH
8	3256-3	4	Washer-Flat
9	3296-29	8	Nut-Lock, NI
12	94-2371	1	Spacer - Fan
13	937089	1	Key-Woodruff
14	95-4223	1	Fan - Hydro
15	99-4405	1	Hub
16	103995	1	Washer
17	94-7955	1	Screw-HH
18	94-7975	4	Screw-Set
19	94-7893	1	Wa - Pin Drive
20	98-9000	1	Key-Square

Ref. No.	Part No.	Qty.	Description

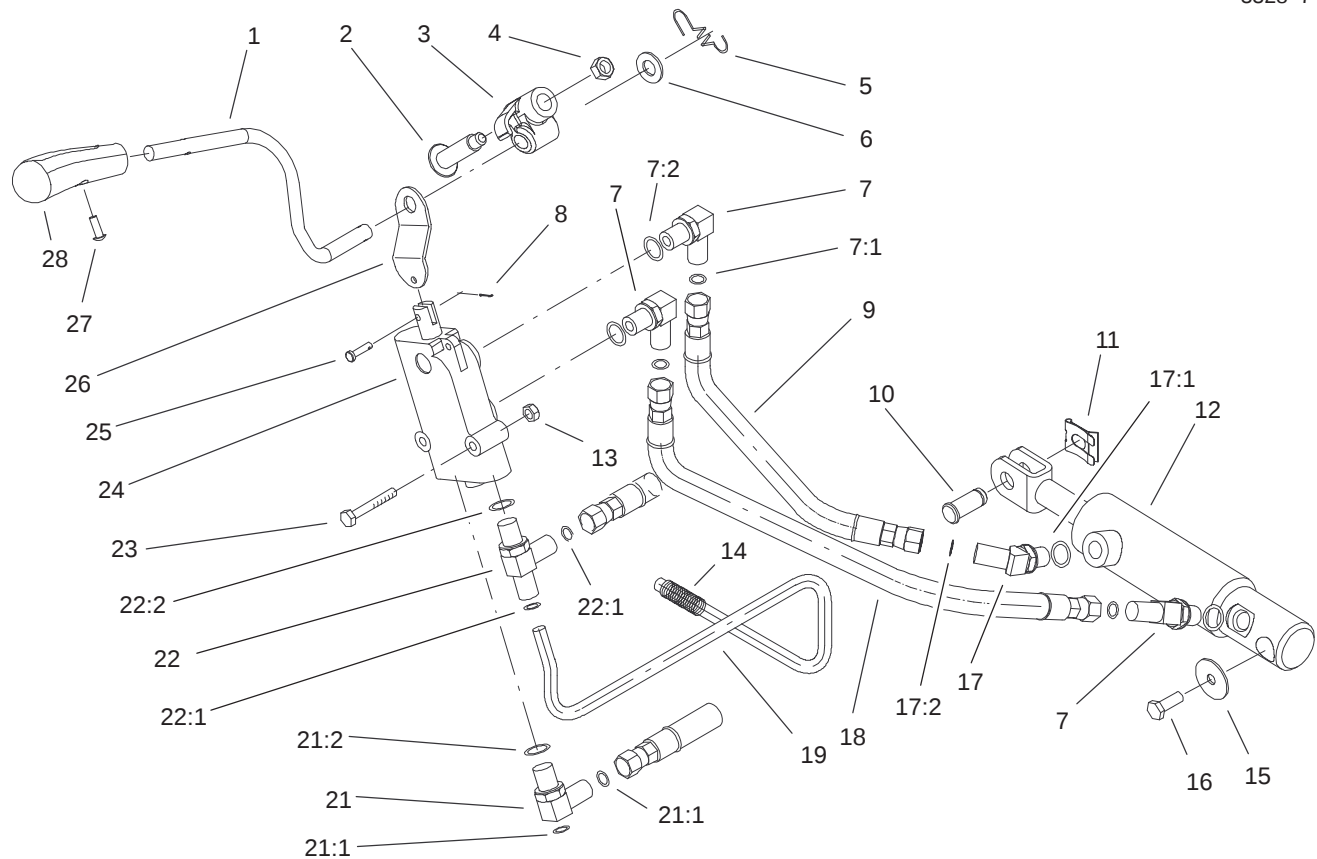


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Hydro Lift Lower Assembly

Ref. No.	Part No.	Qty.	Description
1	323-7	5	Screw-HH
2	94-2263-03	1	Support-Deck Lift
3	3296-39	15	Nut-Lock, NI
4	99-4430	1	Bellcrank And Bushing ASM
5	3256-24	4	Washer-Flat
6	614672	2	Bolt-Shoulder
7	94-2279-03	1	Arm-Lift LH
8	94-2411	2	Stop - Lift Adj
9	3296-48	2	Nut-Lock, NI
10	3256-28	2	Washer-Flat
11	32121-79	2	Pin-Roll
12	94-2301	2	Pin - J
13	95-4256	2	Spring-Compression
14	3256-26	2	Washer-Flat
15	3272-10	2	Pin-Cotter
16	104-5079	2	Rod-Lift
17	94-2277-03	1	Bar - Lift
18	94-2278-03	1	Arm-Lift RH
19	3232-5	2	Screw-CARR
20	94-7600-03	1	Spacer-Strap
21	99-2344	2	Sleeve-Lift
22	99-3746-03	1	Support-Cylinder
23	323-18	4	Screw-HH
24	98-1617	1	Clamp-Tube
25	302-5	1	Fitting-Grease

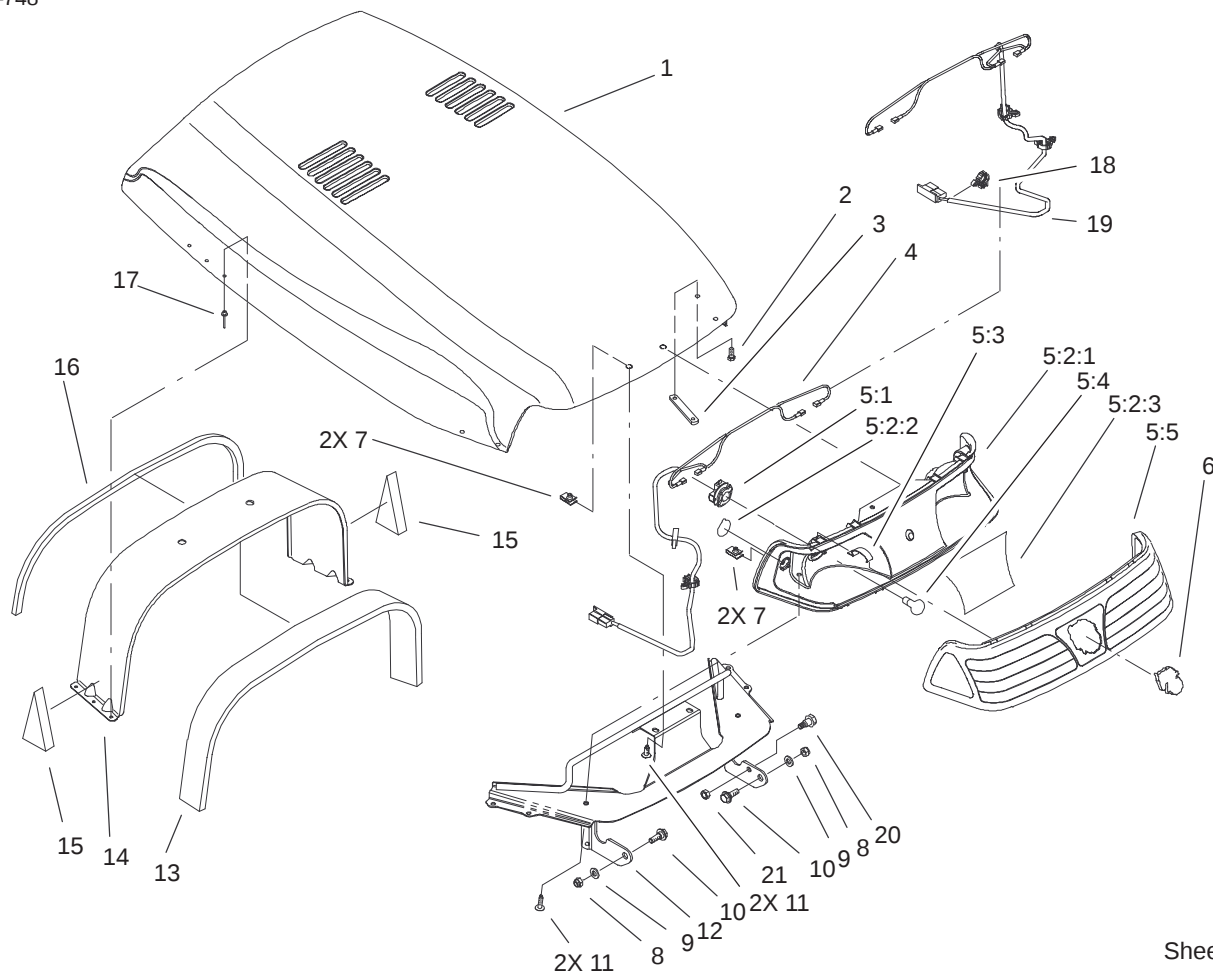
Ref. No.	Part No.	Qty.	Description
26	99-8051	2	Screw
27	99-6496	2	Washer-Flat



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Hydro Lift Upper Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	94-7714	1	Handle – Lift	21:1	237-22	1	O-Ring
2	92-1099	1	Bolt–Shoulder	21:2	237-42	1	O-Ring
3	95-4168	1	Trunnion – Lift Lever	22	95-4134	1	Fitting – Hydraulic Tee
4	610358	1	Nut–Jam, Locking	22:1	237-22	1	O-Ring
5	95-4221	1	Spring – Lift	22:2	237-42	2	O-Ring
6	95-4235	1	Washer	23	321-10	2	Screw–HH
7	95-4141	3	Fitting – Hydraulic 90	24	95-4019	1	Valve – Hydraulic
7:1	237-21	1	O-Ring	25	283-16	1	Pin–Clevis
7:2	237-42	1	O-Ring	26	98-1620	1	Link – Lift
8	3272-1	1	Pin–Cotter	27	95-4236	1	Tscrew – PPH
9	94-7945	1	Hose ASM	28	95-4106	1	Knob – Lift
10	98-1639	1	Pin–Clevis				
11	95-4064	1	Clip–Pin				
12	94-2300	1	Lift Cylinder ASM				
13	3296-42	2	Nut–Lock, NI				
14	95-4258	2	Cover – Brace				
15	3256-57	1	Washer–Flat				
16	95-4245	1	Screw – Thread				
17	95-4136	1	Fitting – Hydraulic 45				
17:1	237-42	1	O-Ring				
17:2	237-21	1	O-Ring				
18	94-7944	1	Hose ASM				
19	94-7970	1	Tube – Hydraulic				
21	95-4140	1	Fitting – Hydraulic 90				



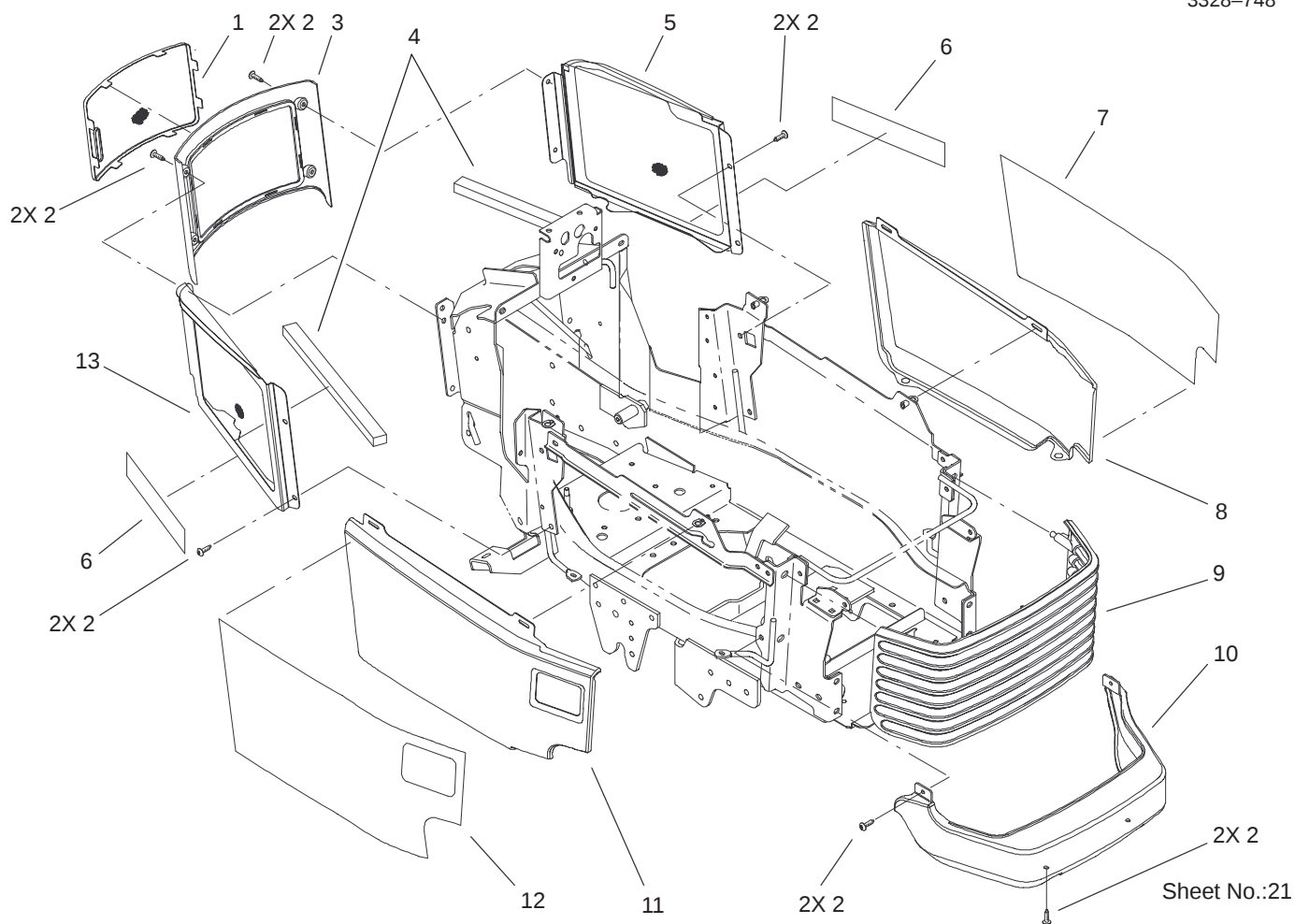
Sheet No.:20

Hood & Headlight Assembly

Ref. No.	Part No.	Qty.	Description
1	98-7205	1	Hood ASM
2	63-8590	4	Screw
3	99-2323	2	Plate-Nut
*5	95-4166	1	Headlight ASM
5:1	98-3591	2	Sealed Socket ASM
*5:2	98-7210	1	Light Reflector ASM
5:2:1	94-2098	1	Reflector – Headlight
5:2:2	98-1602	2	Decal – Sidelight
5:2:3	98-3597	1	Decal-Headlight Reflector
5:3	95-4129	4	Clip – Retainer
5:4	7228	2	Bulb
5:5	94-2099	1	Lens – Headlight
6	95-4248	1	Logo-Horsehead
7	107069	4	Clip
8	3296-29	2	Nut-Lock, NI
9	3256-23	2	Washer-Flat
10	27-0410	2	Screw-Shoulder
11	92-7020	4	Screw-HH
12	99-4962-03	1	Bulkhead-Front
13	95-4078	1	Foam Seal-Rear
14	95-3902-03	1	Bulkhead-Rear
15	95-4259	2	Foam – Lower Bulkhead
16	95-4233	1	Foam – Tape
17	3269-12	6	Rivet-Pop

Ref. No.	Part No.	Qty.	Description
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

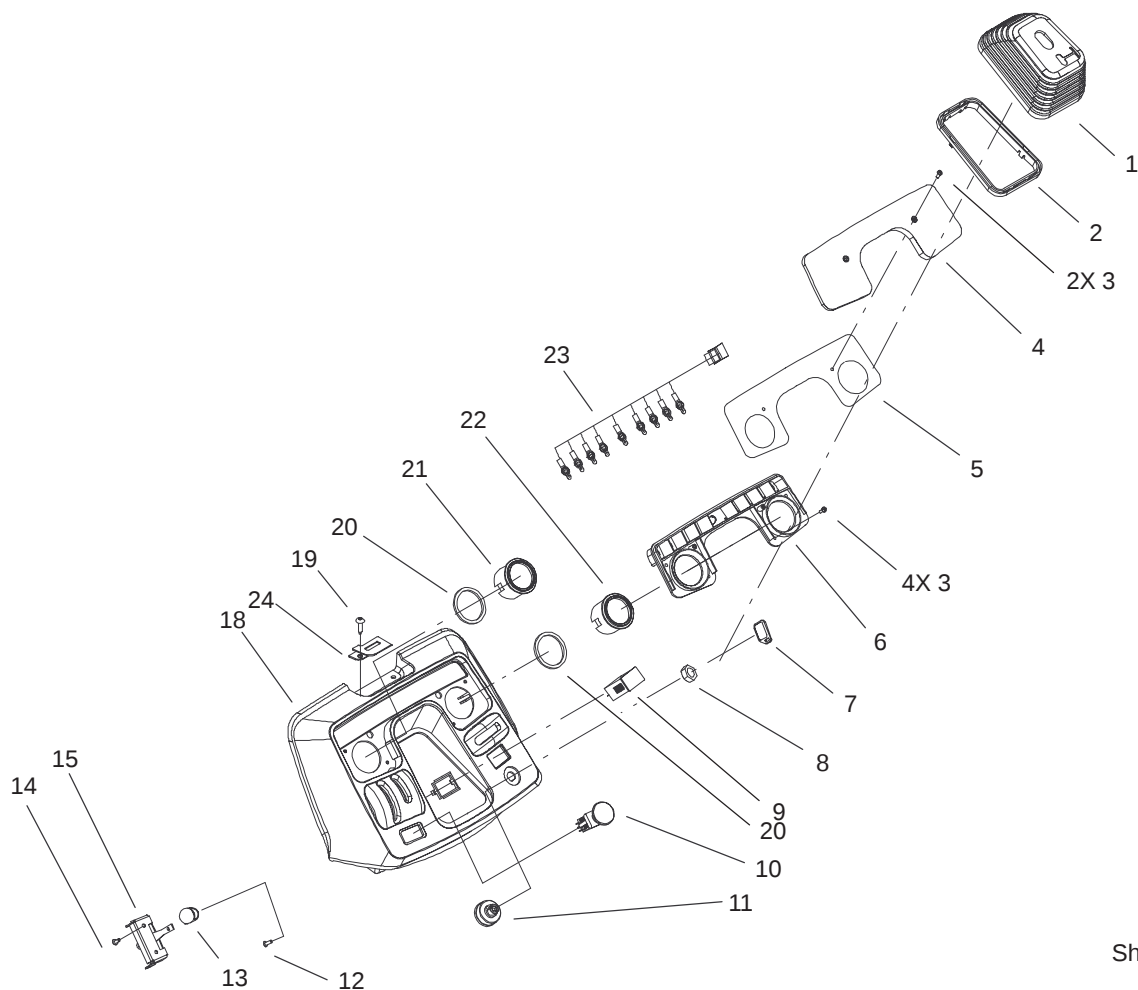
* Not illustrated



Grill & Side Panel Assembly

Ref. No.	Part No.	Qty.	Description
1	98-8714-03	1	Screen – Rear
2	92-7020	12	Screw-HH
3	94-2093	1	Cover – Rear
4	95-4231	2	Foam – Seal, Side Screen
5	95-4114-03	1	Cover-Side LH
6	106-5831	1	Decal-523 Dxi
7	106-5837	1	Decal-Hood LH
8	94-2088-01	1	Sidpnl-LH Hood
9	94-2104	1	Grill
10	94-2103	1	Cover – Bumper
11	94-2087-01	1	Sidepanel-RH Hood
12	106-5836	1	Decal-Hood RH
13	95-4113-03	1	Cover-RH Side

Ref. No.	Part No.	Qty.	Description

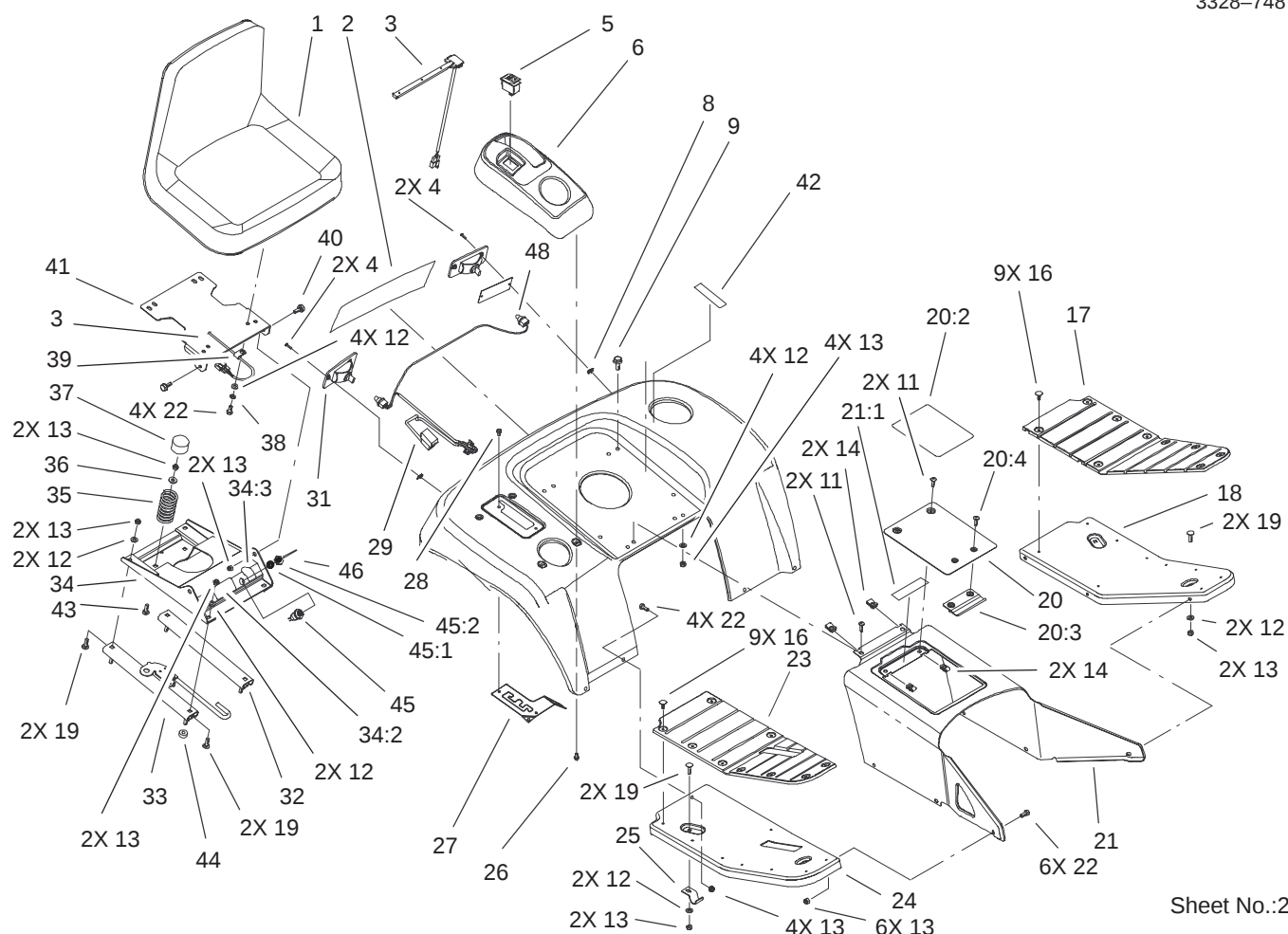


Sheet No.:22

Dash Assembly

Ref. No.	Part No.	Qty.	Description
1	94-2102	1	Boot – Steering
2	95-3844	1	Retainer – Boot
3	95-4234	6	Screw–Pan Hd
4	95-3842	1	Lens – Dash
5	95-4074	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

Ref. No.	Part No.	Qty.	Description

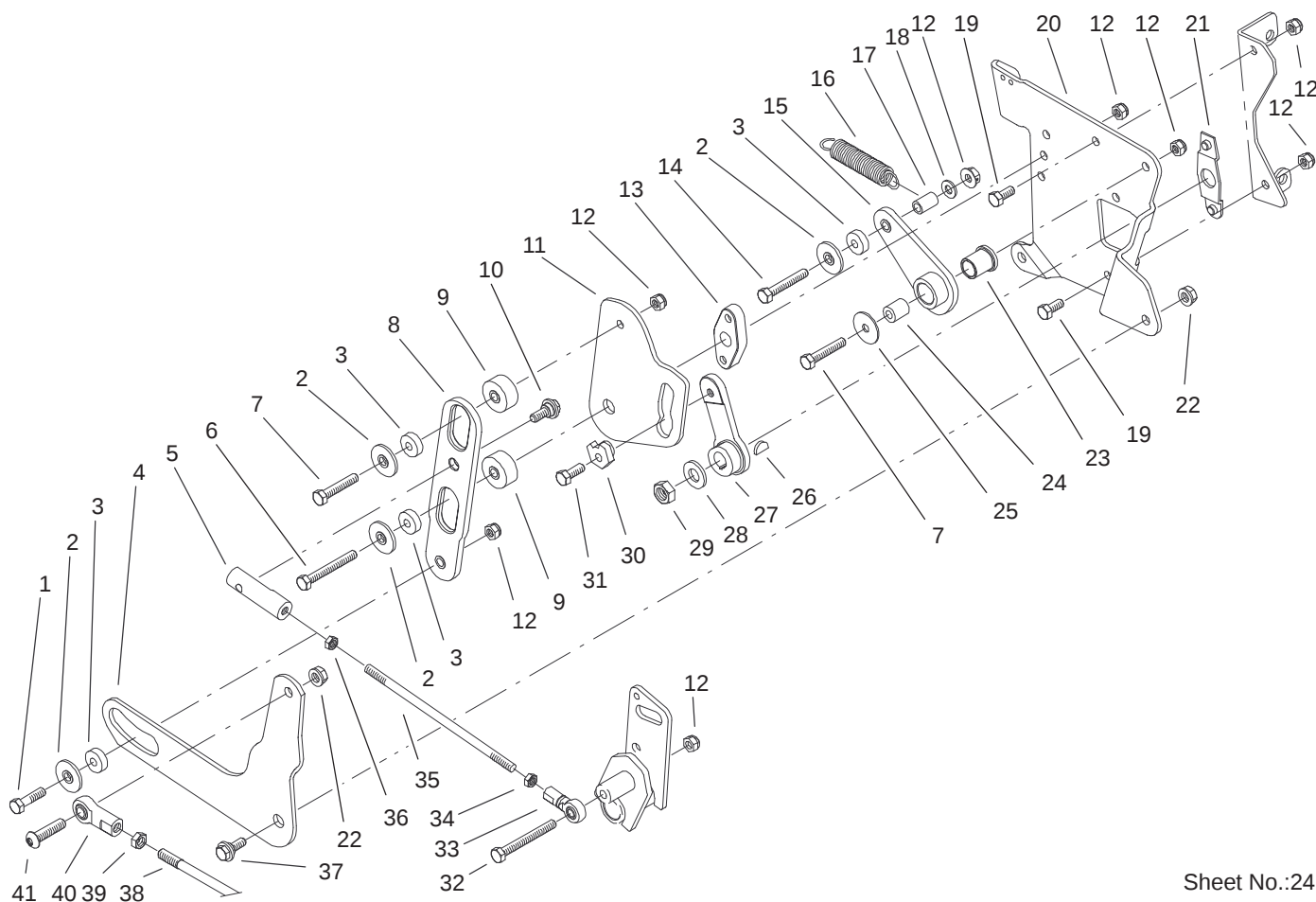


Sheet No.:23

Fender, Footrest, & Seat Assembly

Ref. No.	Part No.	Qty.	Description
1	94-3518	1	Seat
2	106-5835	1	Decal-Rear Fender
3	38-1420	1	Switch-Seat
4	3250-29	4	Screw-PPH
5	94-7602	1	Switch - Cruise
6	95-4000	1	Pod - Control Int'l
8	95-4115	4	Nut - Speed
9	3234-29	4	Screw-HHF
11	92-7020	4	Screw-HH
12	3256-23	16	Washer-Flat
13	3296-29	26	Nut-Lock, NI
14	107069	4	Clip
16	3290-479	18	Fastener-Panel
17	94-2096	1	Pad - LH Footrest
18	94-2090-01	1	Footrest - LH
19	3230-16	8	Screw-CARR
20	98-1623	1	Tunnel Cover ASM
20:2	98-1608	1	Decal - Danger
20:3	95-4107	1	Retainer - Cover
20:4	94-4496	2	Screw-PPH
21	98-5058	1	Tunnel ASM
21:1	98-5015	1	Decal - Warning
22	322-3	14	Screw-HH
23	94-2095	1	Pad - RH Footrest
24	94-2089-01	1	Footrest - RH
25	95-3858	2	Bracket-Footerest

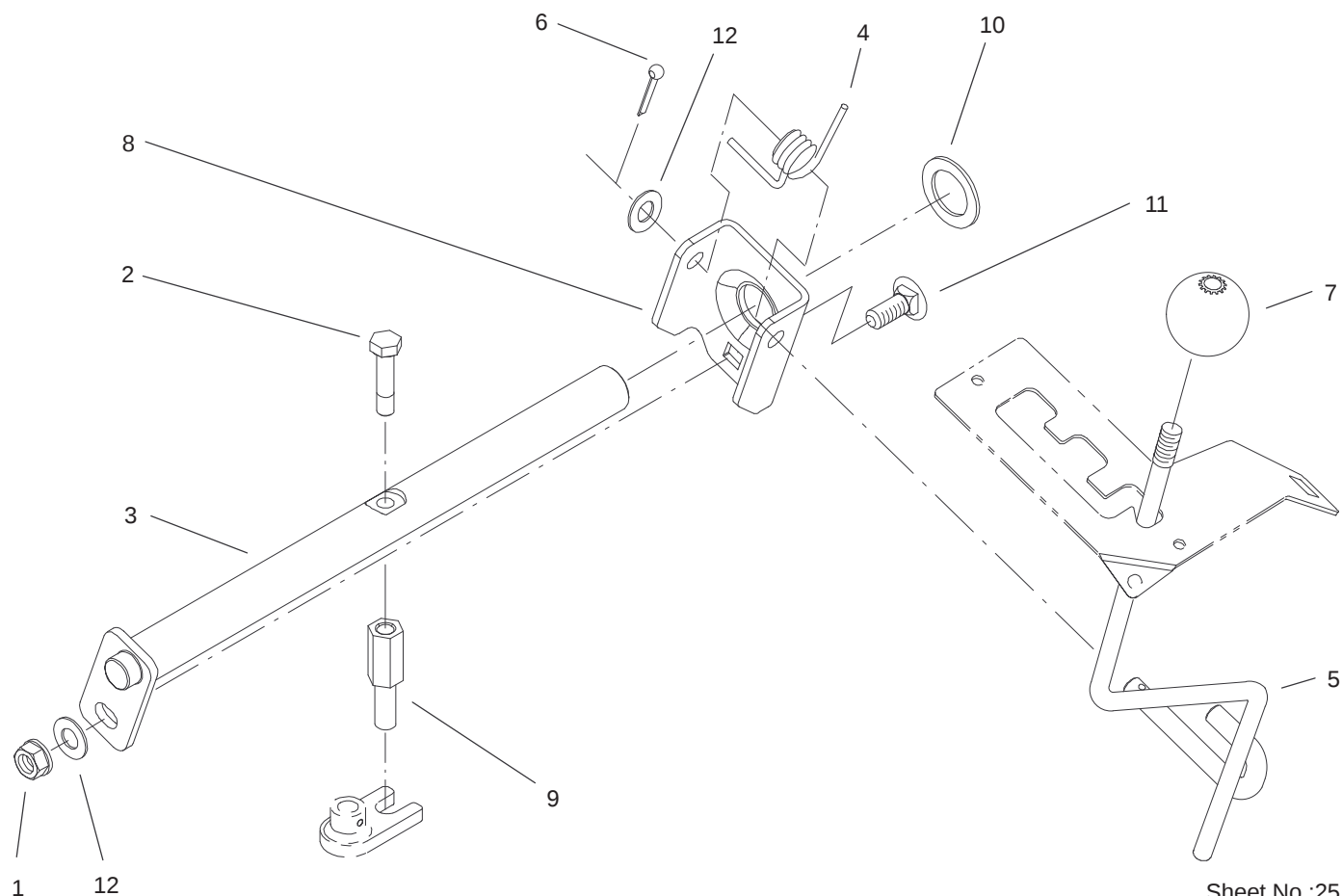
Ref. No.	Part No.	Qty.	Description
26	32144-20	4	Screw-Thread Forming
27	98-8711-03	1	Gate - Hi/Lo Shift
28	32144-4	2	Screw-HWH
29	99-3726	1	Harness-Rear
31	94-2124	2	Lamp - Taillight
32	94-2112	1	Slide - Seat Slave
33	94-2177	1	Slide - Seat Latch
34	104-5074	1	Seat Base ASM, Intl
34:2	99-2986	1	Decal-Danger
34:3	99-5340	1	Decal-Switch
35	94-2106-03	2	Spring - Compression
36	105503	2	Bushing
37	95-4242	2	Cap - Seat Spring
38	3253-4	4	Washer-Lock
39	98-2390	1	Clamp - R
40	37-8771	2	Bolt-Shoulder
41	104-4345-03	1	Mount-Seat
42	98-3088	1	Decal - Diesel
43	3230-22	2	Screw-CARR
44	4-2390	4	Washer-Flat
45	46-5780	1	Switch-Starter
45:1	3254-5	1	Washer-Tooth
45:2	218-461	1	Nut-HH
46	62-7770	1	Key-Ignition



Sheet No.:24

Smart Turn Rear Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	322-6	1	Screw-HH	26	3257-24	1	Key-Woodruff
2	94-2313	4	Retainer - Bearing	27	94-7816	1	Arm - Speed Control
3	95-4185	4	Bearing - Ball	28	3256-26	1	Washer-Flat
4	95-3801-03	1	Slider-Lift	29	3296-45	1	Nut-Lock, NI
5	94-7637	1	End-Rod, RH	30	94-2468	1	Cam
6	322-12	1	Screw-HH	31	95-4245	1	Screw - Thread Locking
7	322-9	2	Screw-HH	32	322-13	1	Screw-HH
8	94-2144	1	Slider - Speed Control	33	94-7571	1	End - RH Rod
9	94-2169	2	Standoff - Cam Plate	34	3220-20	1	Nut-Jam
10	94-7817	1	Bolt-Shoulder	35	94-2497	1	Rod - Slider To Pivot
11	94-2145	1	Plate - Cam	36	3220-2	1	Nut
12	3296-29	8	Nut-Lock, NI	37	94-7582	1	Bolt - Shoulder
13	94-2168	1	Standoff - Slider	38	94-7500	1	Rod-Lift
14	322-10	1	Screw-HH	39	3220-3	1	Nut-Jam
15	94-7586	1	Arm-Return To Neutral	40	92-7008	1	End-Rod, Female
16	63-1590	1	Spring-Idler	41	95-3857	1	Screw-HSBH
17	94-2309	1	Standoff - Spring				
18	3256-23	1	Washer-Flat				
19	322-3	2	Screw-HH				
20	99-8053-03	1	Plate-Control				
21	94-7814	1	Locator-Control Plate				
22	108881	2	Nut				
23	94-7913	1	Bushing - Flanged				
24	94-7564	1	Spacer				
25	3256-57	1	Washer-Flat				

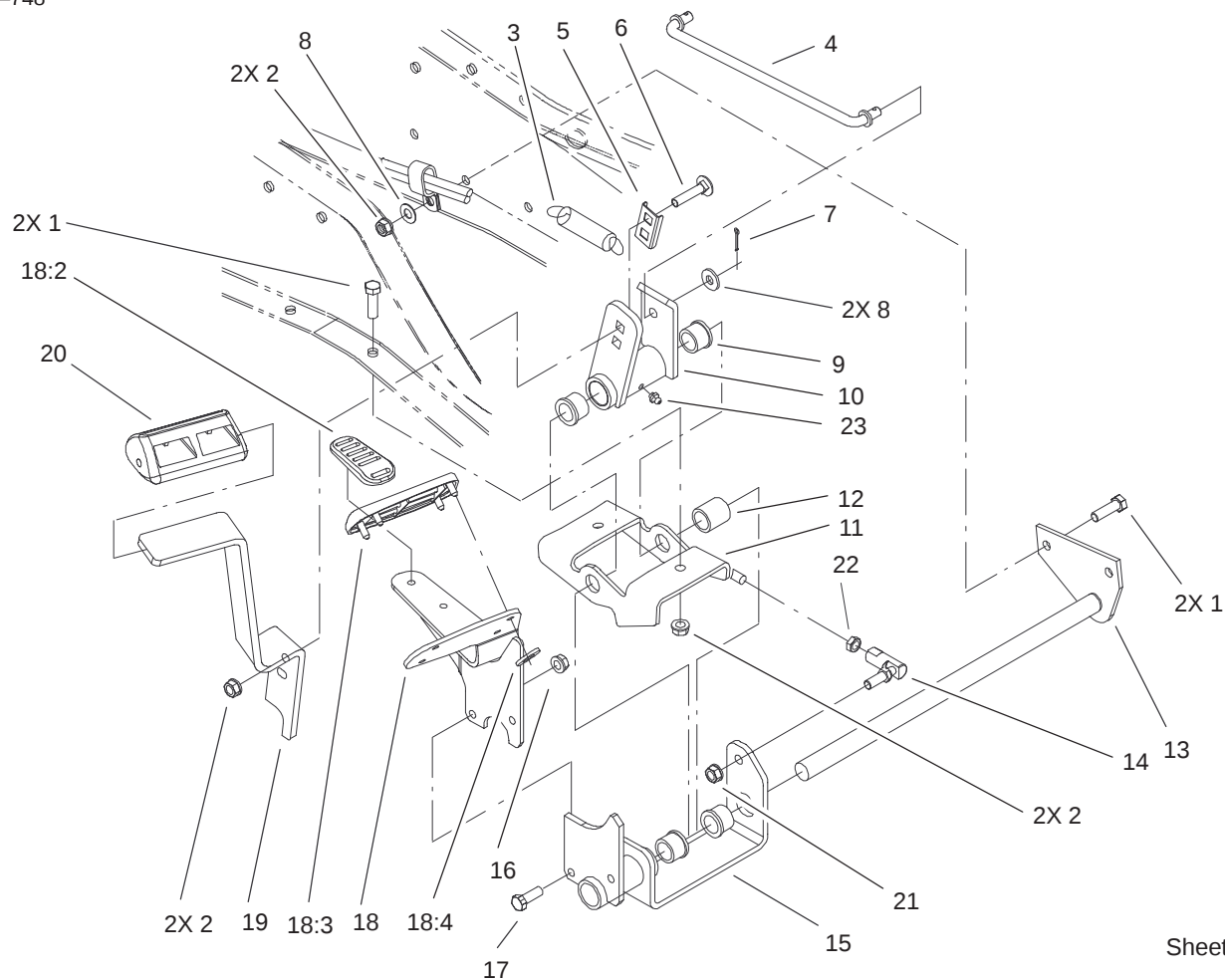


Sheet No.:25

Hi-Lo Shift Assembly

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

Ref. No.	Part No.	Qty.	Description

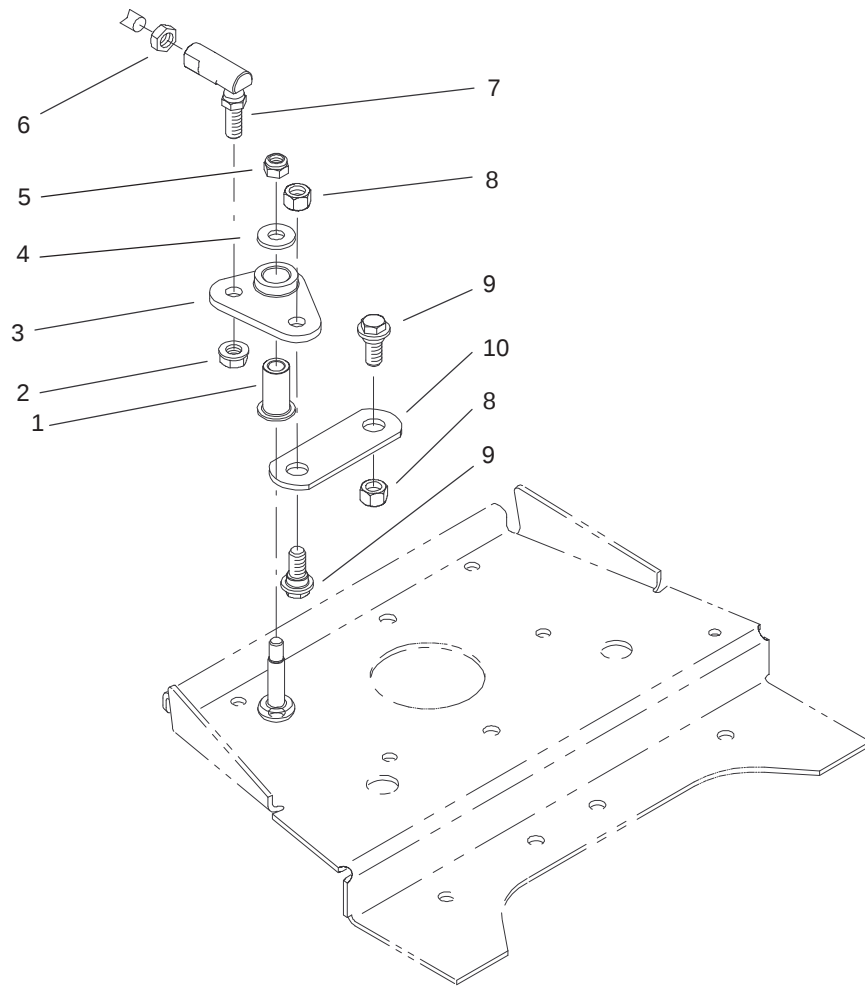


Sheet No.:27

Hydro Control Assembly

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

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

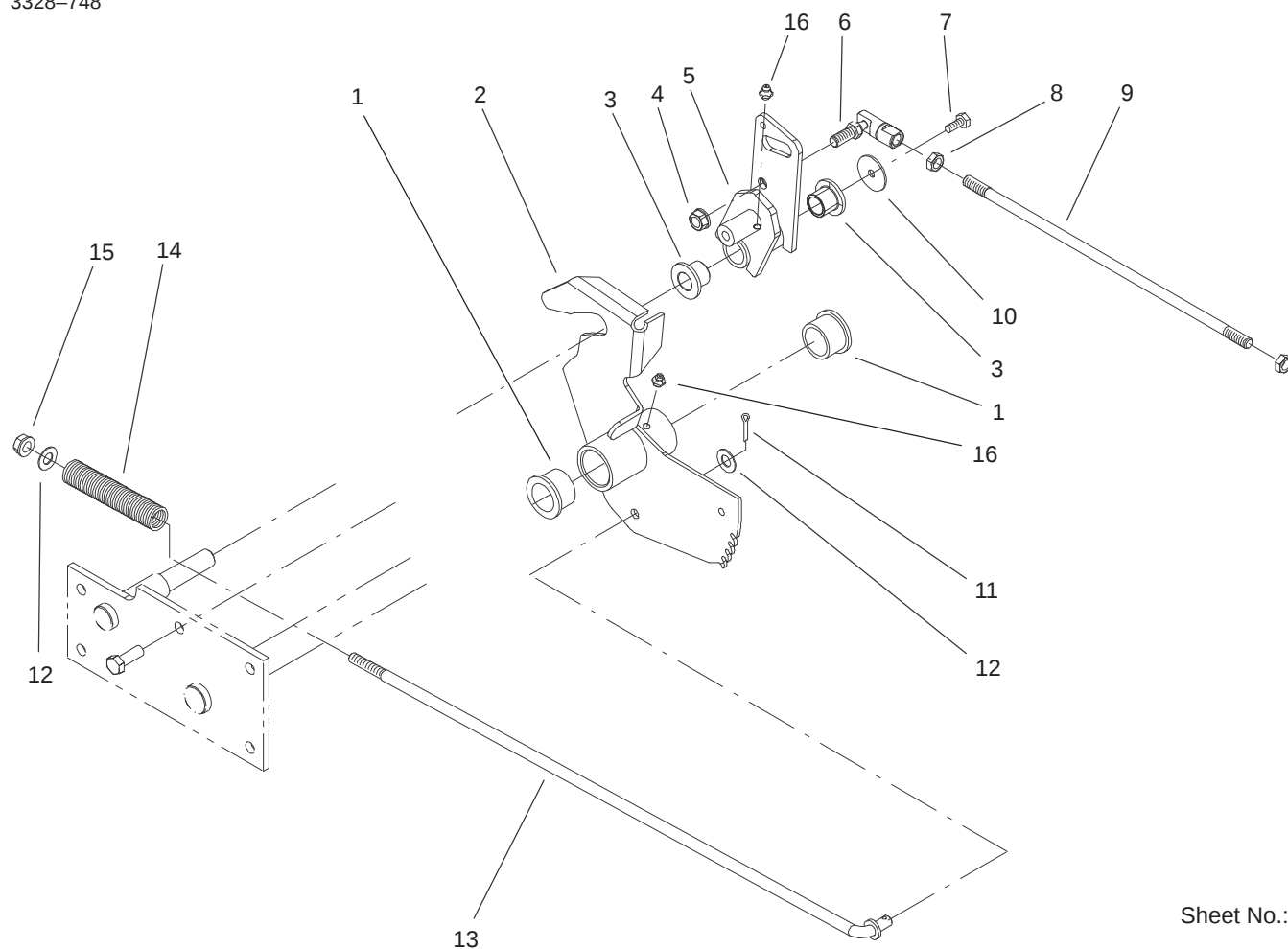


Sheet No.:28

Smart Turn Front Assembly

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

Ref. No.	Part No.	Qty.	Description

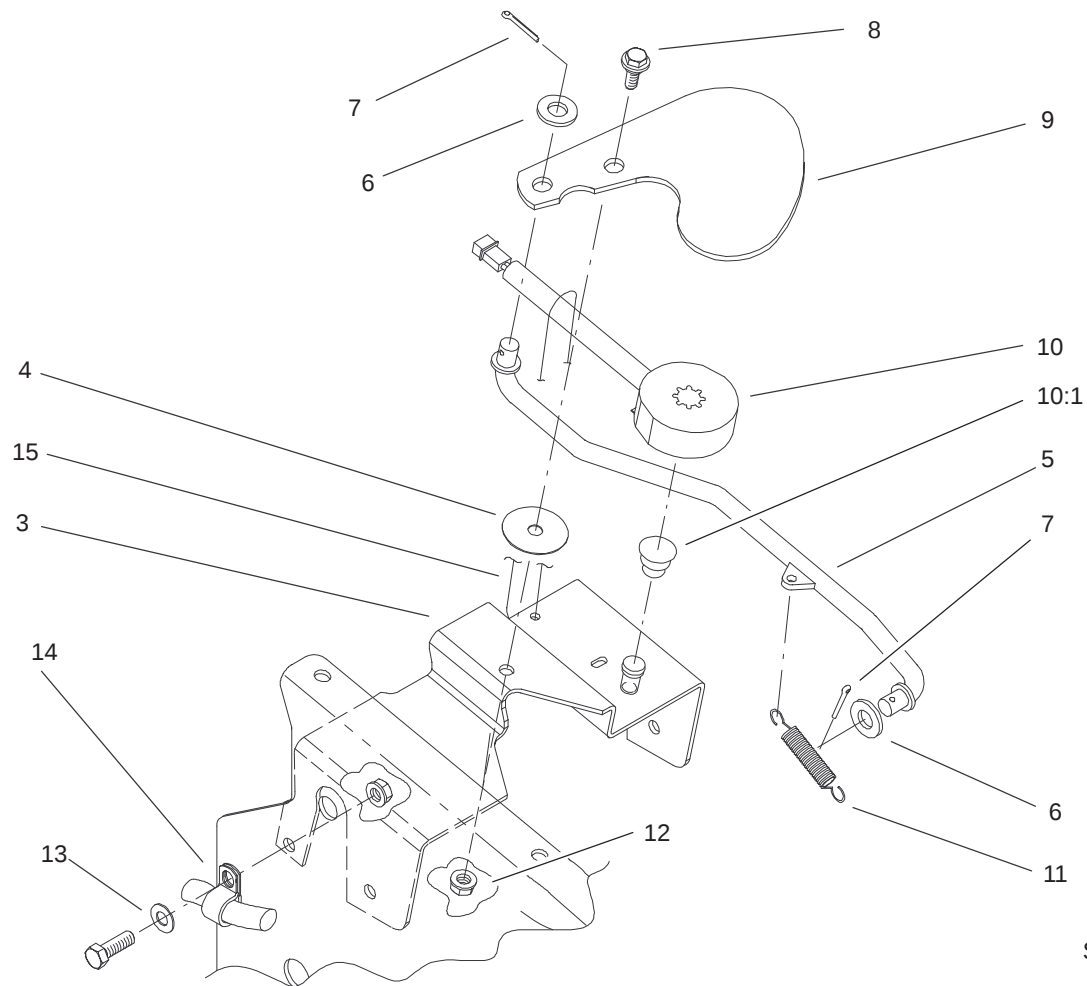


Sheet No.:29

Parking Brake Lower Assembly

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

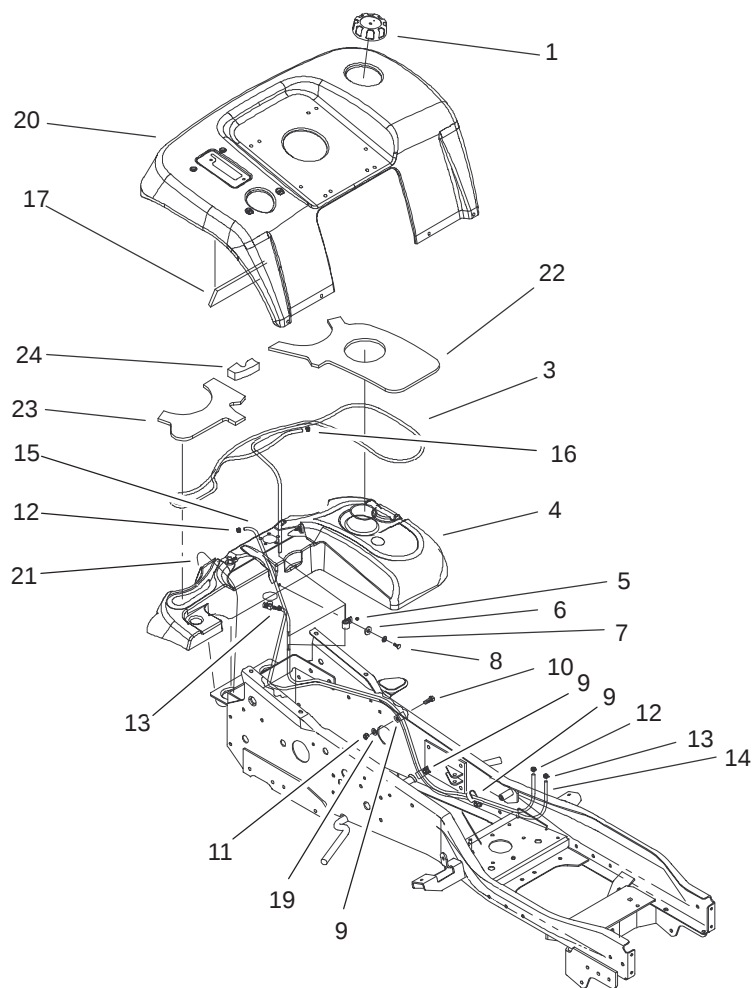
Ref. No.	Part No.	Qty.	Description



Sheet No.:30

Cruise Control Assembly

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

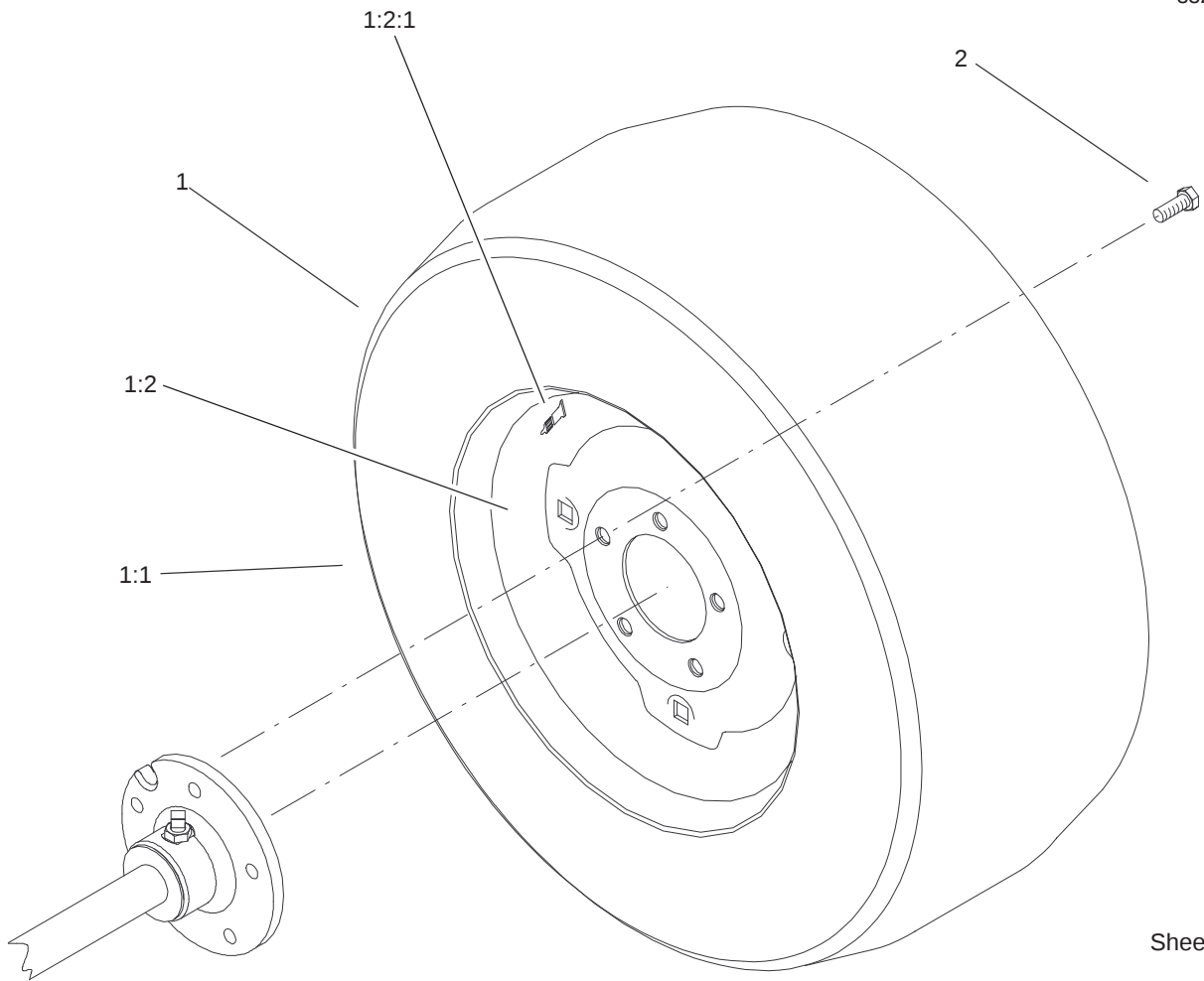


Sheet No.:31

Fender & Fuel System Assembly

Ref. No.	Part No.	Qty.	Description
1	95-4193	1	Diesel Gas Cap ASM
3	99-8553	1	Hose-Vent
4	99-6142	1	Diesel Tank ASM
5	95-4187	1	Clamp - Tube
6	3256-22	1	Washer-Flat
7	3253-3	1	Washer-Lock
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
15	99-9683	1	Hose-Fuel
16	94-8189	1	Clamp-Hose
17	95-4157	1	Foam - Tank Center
19	3256-24	1	Washer-Flat
20	98-7208	1	Rear Body ASM
21	99-5901	1	Tie-Cable
22	99-6145	1	Foam-Tank
23	99-6146	1	Foam-Tank
24	99-6887	1	Foam-Tank Top

Ref. No.	Part No.	Qty.	Description



Sheet No.:32

Wheel Assembly

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

Ref. No.	Part No.	Qty.	Description

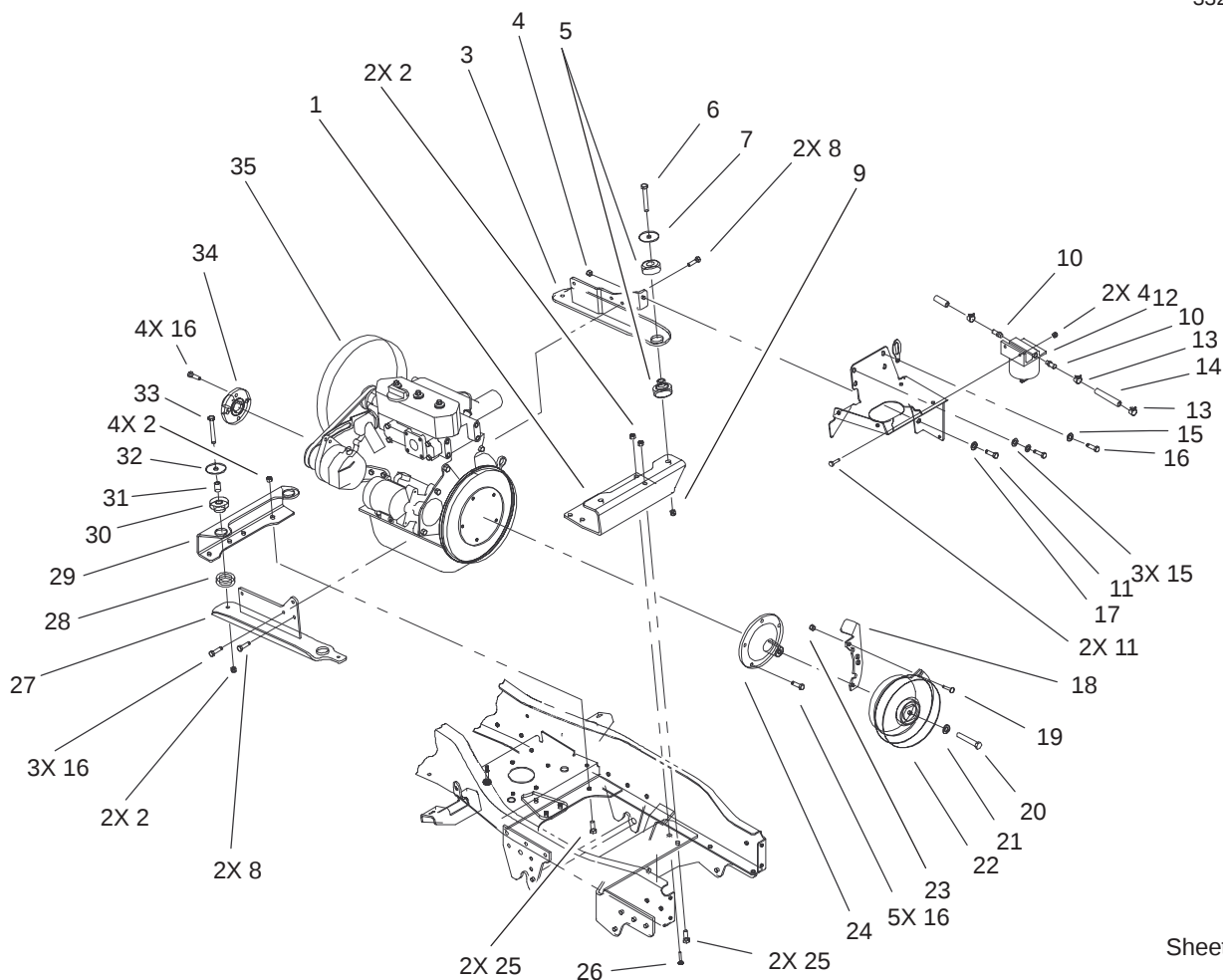
* Not illustrated



Separator-Filter/Water Assembly No. 63-7650

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

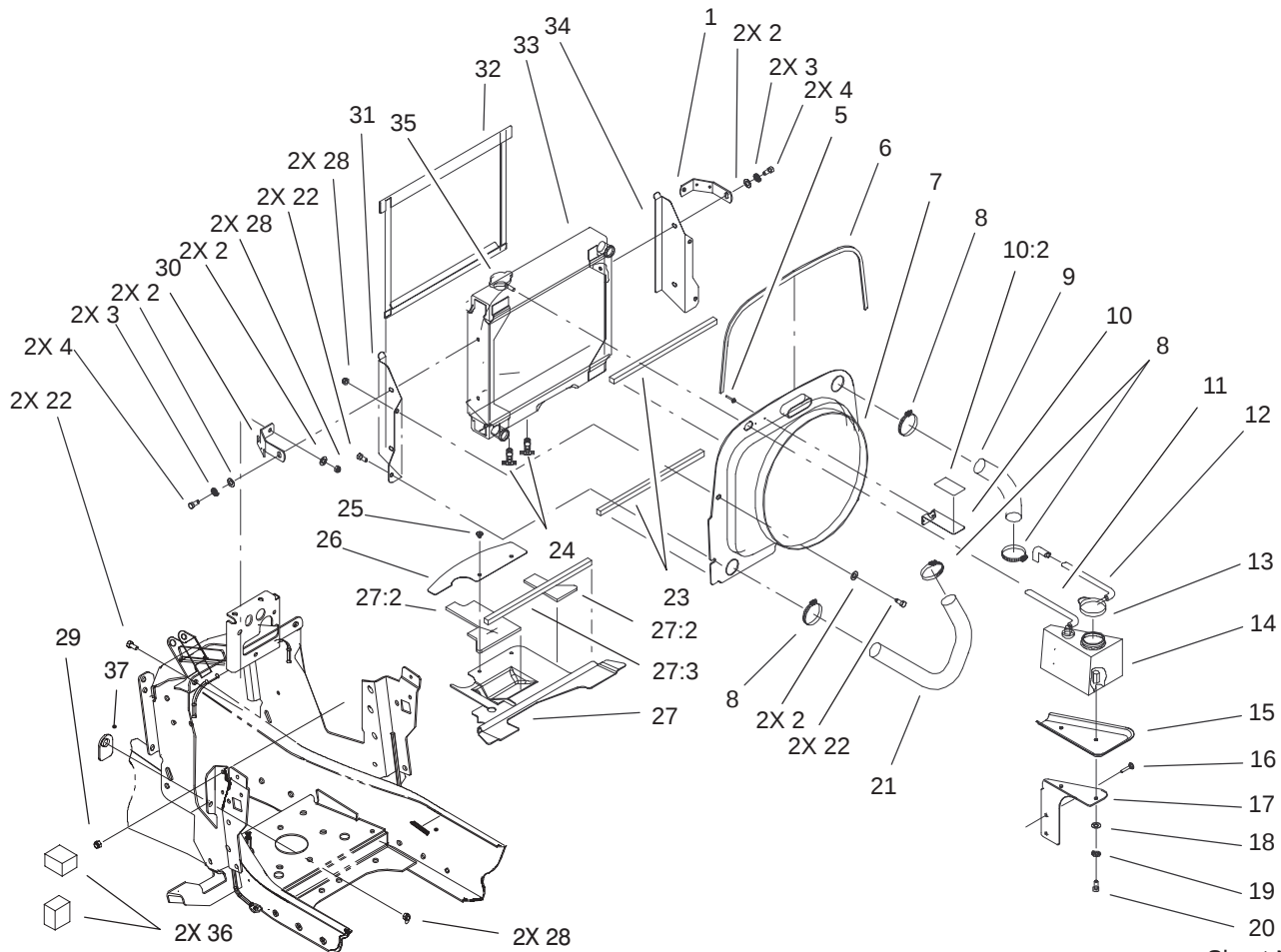
Ref. No.	Part No.	Qty.	Description



Sheet No.:36

Liquid Cooled Diesel Engine Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	95-3882-03	1	Support-Front Eng	27	95-3889-03	1	Brkt-RH Iso
2	3296-39	8	Nut-Lock, NI	28	95-4190	2	Ring - Isolation
3	95-3890-03	1	Brkt-LH Iso	29	95-3883-03	1	Support-Rear Eng
4	3296-8	3	Nut-Lock, NI	30	95-4189	2	Bushing - Isolation
5	95-4188	2	Mount - Isolation	31	94-7527	2	Sleeve - Iso Mount
6	325-12	2	Screw-HH	32	83-1040	2	Washer-Flat
7	55-7960	2	Washer-Large Blade	33	323-10	2	Screw-HH
8	95-4183	4	Screw-Threadlocking	34	94-7892	1	Hub - Drive, DI
9	3296-23	2	Nut-Lock, NI	35	99-5310	1	Engine-Daihatsu Diesel 850cc
10	353-783	2	Fitting				
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	Bolt-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				

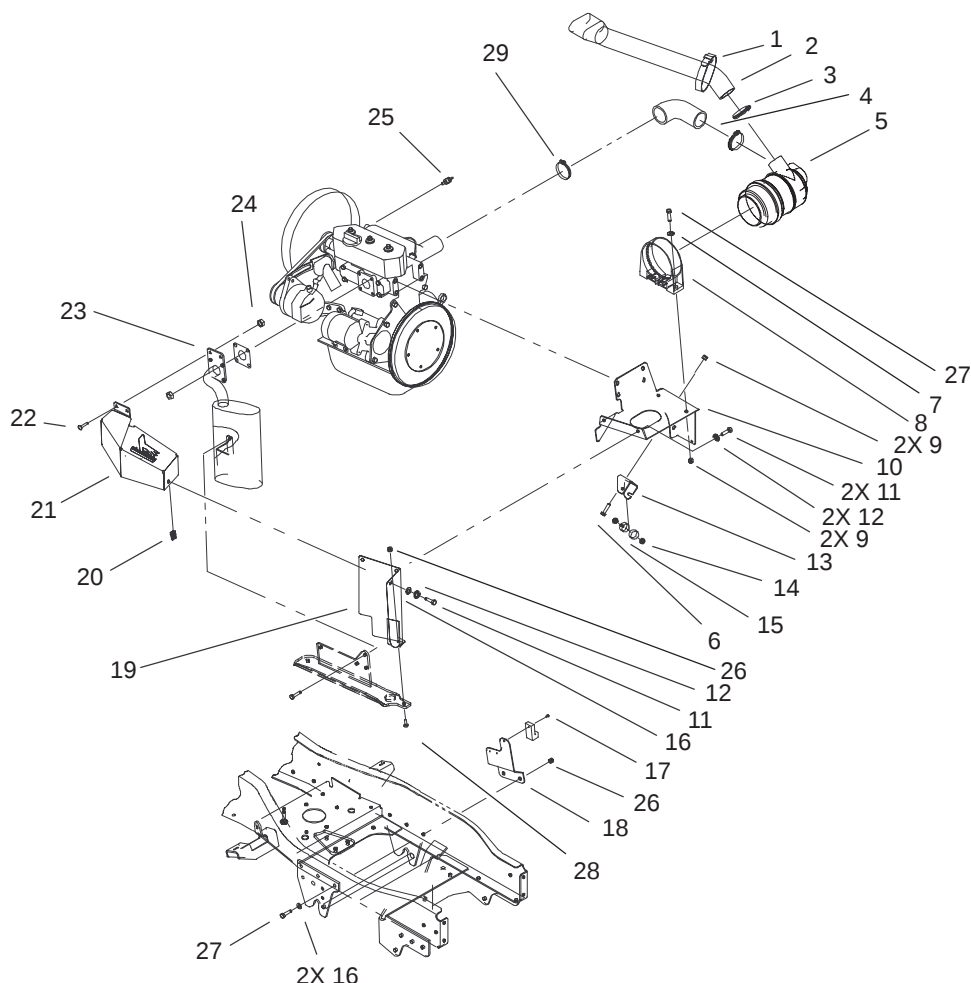


Sheet No.:37

Liquid Cooled Diesel Engine Assembly (cont.)

Ref. No.	Part No.	Qty.	Description
1	94-7644-03	1	Strap-Radiator
2	3256-23	8	Washer-Flat
3	3253-4	4	Washer-Lock
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	Fan/Decal ASM
10:2	95-4143	1	Decal - Warning
11	62-2470	1	Hose-Fuel
12	95-4227	1	Hose - Overflow
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
20	321-3	2	Screw-HH
21	95-4267	1	Hose - Rad. Daihatsu
22	322-5	6	Screw-HH

Ref. No.	Part No.	Qty.	Description
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	Seal-Foam, Side
37	98-8712	2	Washer - Spacer

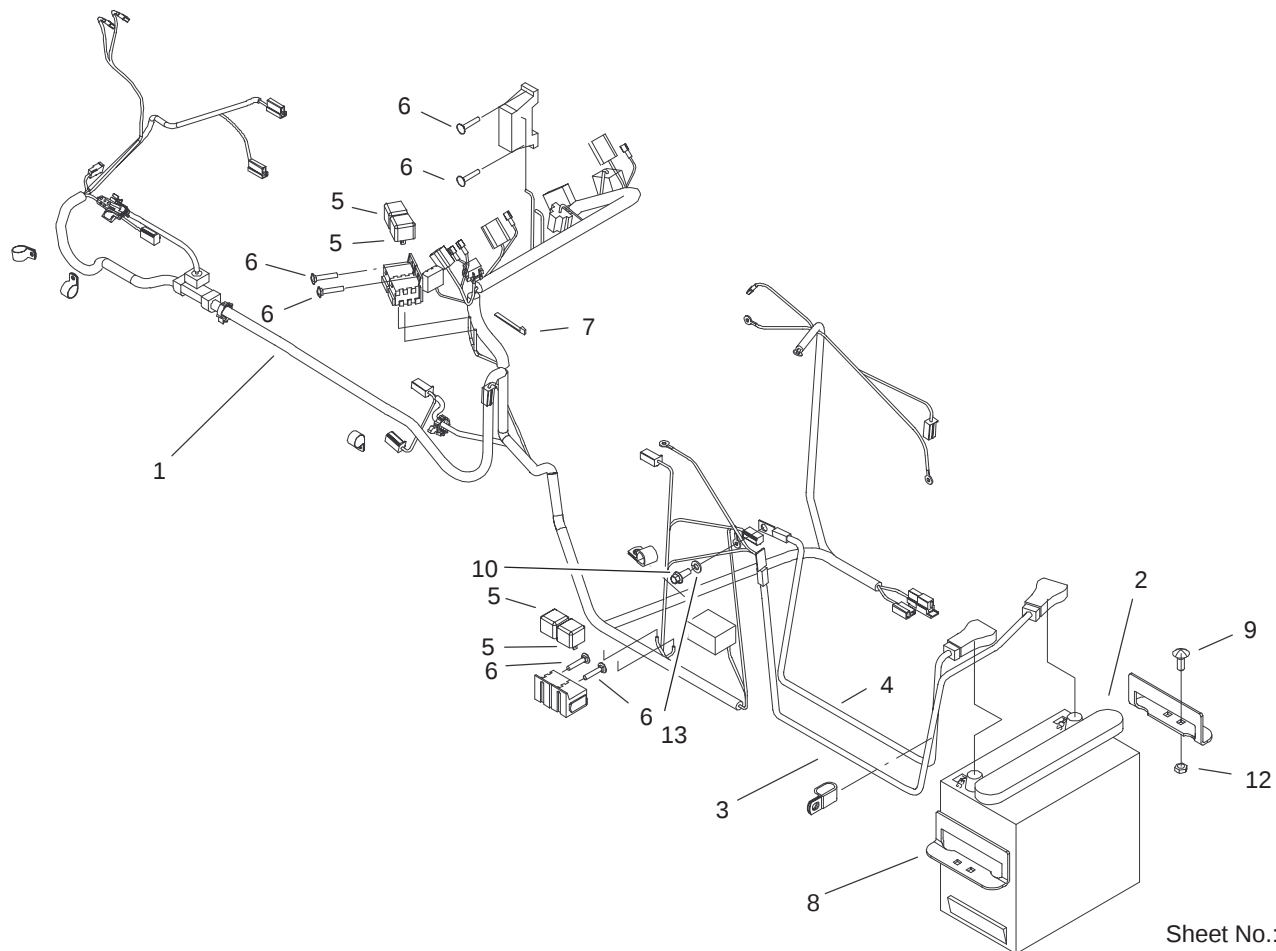


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Liquid Cooled Diesel Engine Assembly (cont.)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3290-379	1	Tie-Cable	22	3229-1	2	Screw-CARR
2	98-1628	1	Hose - Air Cleaner	23	94-7958	1	Muffler
3	2412-92	2	Clamp-Hose	24	32152-4	2	Nut-Hex
4	95-4265	1	Hose - Air Cleaner Outlet	25	94-7621	1	Sender-Temperature
5	93-2190	1	Air Cleaner ASM	26	3296-8	1	Nut-Lock, NI
*5:2	93-2195	1	Filter	27	322-6	2	Screw-HH
*5:3	94-3652	1	Cover ASM	28	321-6	1	Screw-HH
*5:4	94-1414	1	Valve-Vacuator	29	2412-130	1	Clamp-Hose
*5:5	285-17	1	Plug-Pipe				
6	322-5	2	Screw-HH				
7	3256-23	2	Washer-Flat				
8	95-5806	1	Bracket-Mounting				
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				
13	95-4067-03	1	Brkt-Clutch Anchor				
14	3296-42	2	Nut-Lock, NI				
15	240-14	2	Bumper-Rubber				
16	3256-22	3	Washer-Flat				
17	32144-112	1	Screw-HWHTF				
18	95-4239-03	1	Bracket - Relay				
19	98-1634-03	1	Heat Shield ASM				
20	107069	3	Clip				
21	98-1638-03	1	Heat Shield ASM				

* Not illustrated



Sheet No.:52

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
6	32144-112	6	Screw-HWHTF
7	614249	1	Strap-Tie
8	98-3497	2	Hold – Down, Battery
9	3230-16	2	Screw-CARR
10	33114-016	1	Screw-HH
12	3296-29	2	Nut-Lock, NI
13	3253-4	1	Washer-Lock
*	109355	1	Fuse-15 Amp
*	218-578	2	Fuse-10 Amp
*	NN10277	1	Fuse-30 Amp

Ref. No.	Part No.	Qty.	Description

* Not illustrated

Maintenance Record

[illegible]

