



Groundsmaster[®] 328D

2WD and 4WD Traction Unit

Model No. 30626-210000001 and Up

Model No. 30627-210000001 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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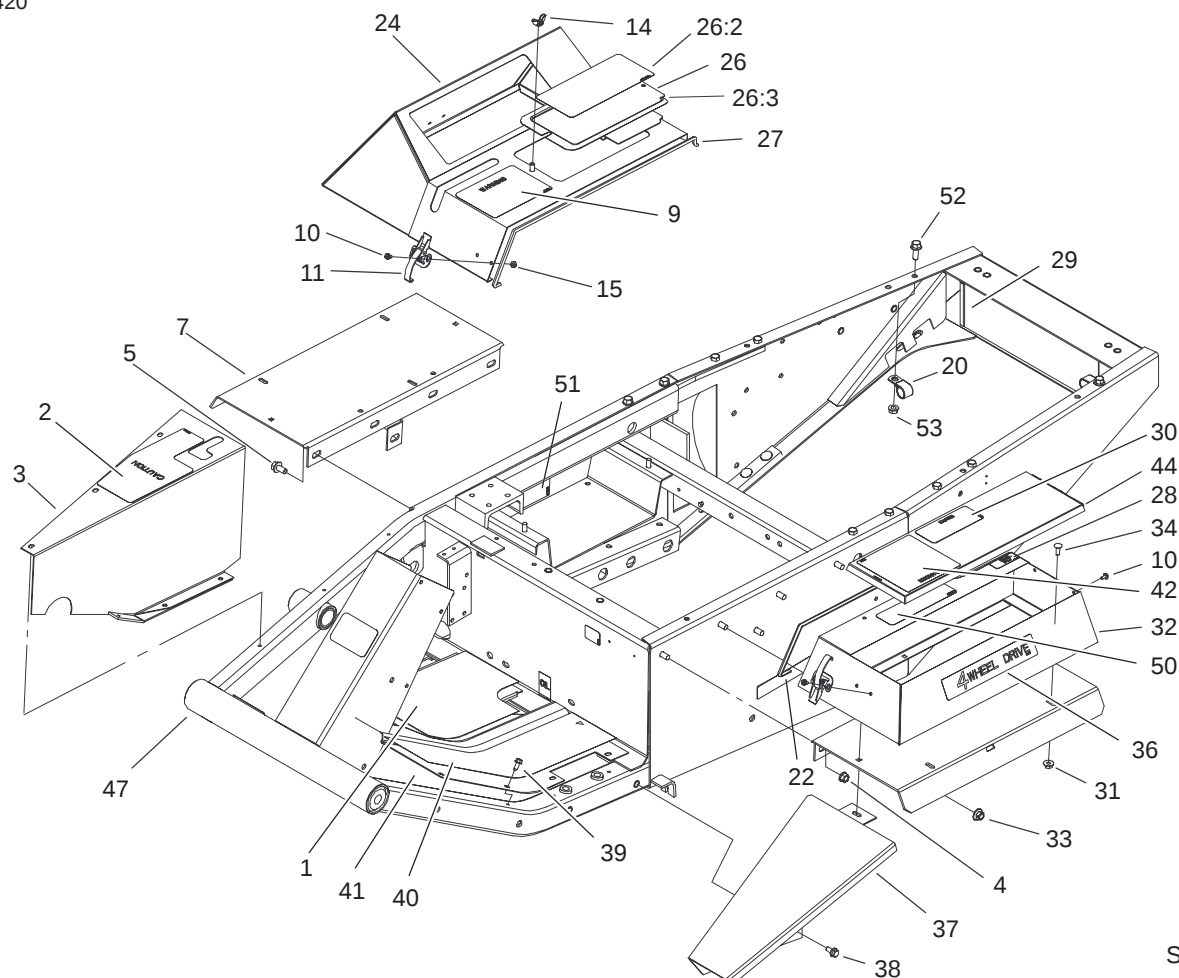
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Part Description Abbreviations

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

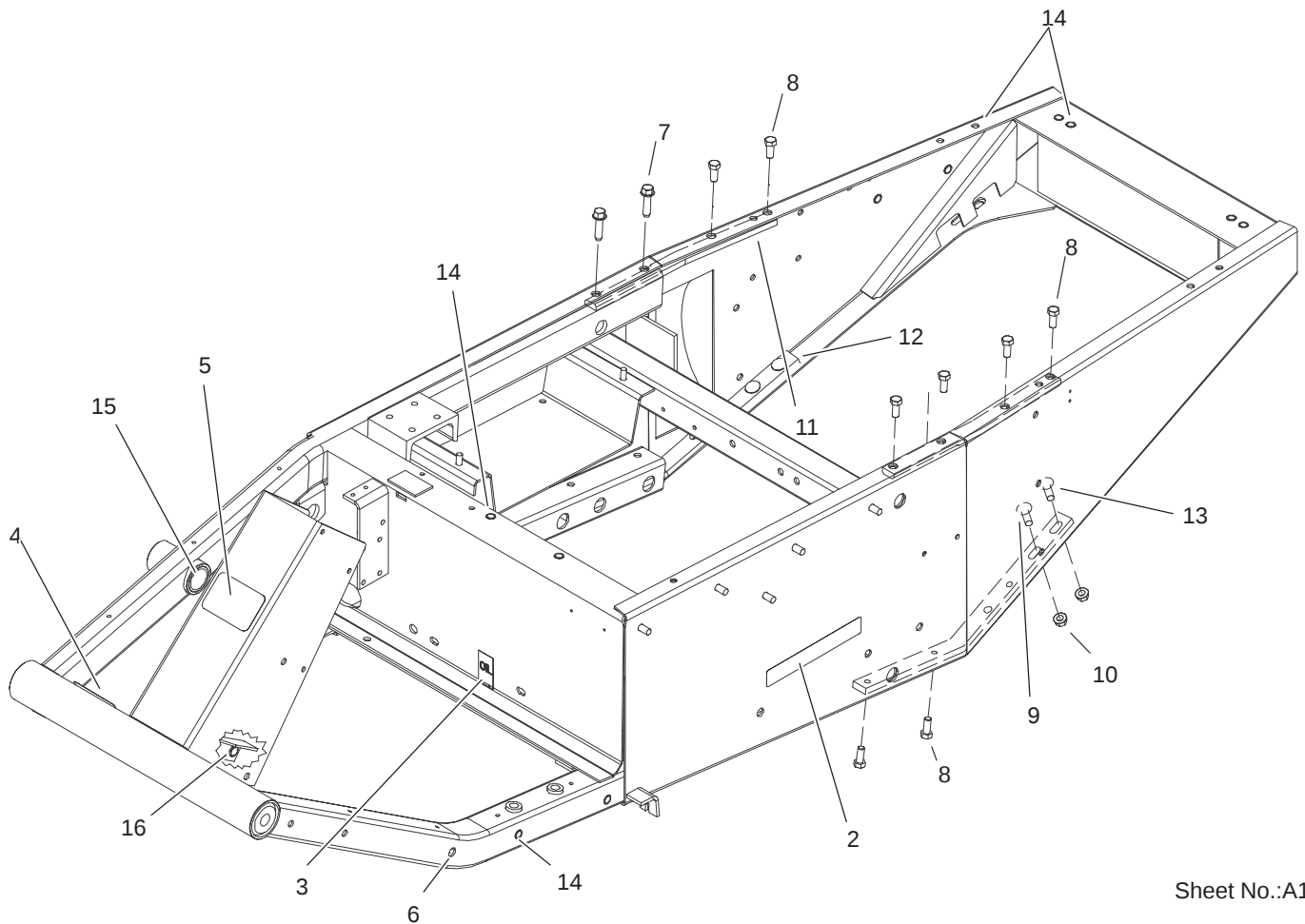


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Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	21-2770	1	Pad-Floor Plate, RH
2	66-6390	1	Decal-Caution
3	21-2660-01	1	Side Plate-Footer Rest
4	32128-21	2	Nut-HF
5	3234-12	4	Screw-HHF
7	105-2596-01	2	Fender ASM
9	27-7290	1	Decal-PTO
10	3290-144	9	Screw-SHWH
11	249-21	3	Clamp-Slotted
14	32103-2	1	Nut-Wing
15	3296-2	9	Nut-Lock
20	2412-4	2	Clamp
22	37-9650	1	Trim-Tool Box
24	38-4550-03	1	Cover-Instruments
26	105-2564	1	Cover ASM-Battery
26:2	105-2531	1	Decal-Starting Instructions
26:3	92-7801	1	Shield - Battery Cover
27	39-8020	1	Trim-Instrument Cover
28	52-1321	1	Decal-Fuel, Diesel
29	43-4300	2	Trim-Frame, Rear
30	27-7310	1	Decal-Refueling
31	32128-33	5	Nut-HF
32	93-3182-03	1	Box-Tool
33	32128-19	6	Nut-HF

Ref. No.	Part No.	Qty.	Description
34	3229-1	5	Screw-CARR
36	72-3560	2	Decal
37	68-8610-01	1	Extension-Fender
38	3234-14	2	Screw-HHF
39	32144-10	11	Screw-HWH
40	21-2760	1	Pad-Floor Plate, LH
41	88-0070-01	1	Plate-Floor
42	72-3700	1	Decal
44	93-3177-03	1	Cover-Tool Box
47	98-3879	1	Frame ASM
50	67-1710	1	Decal-Warning
52	3234-11	2	Screw-HHF
53	3290-357	2	Nut-Flange, Lock

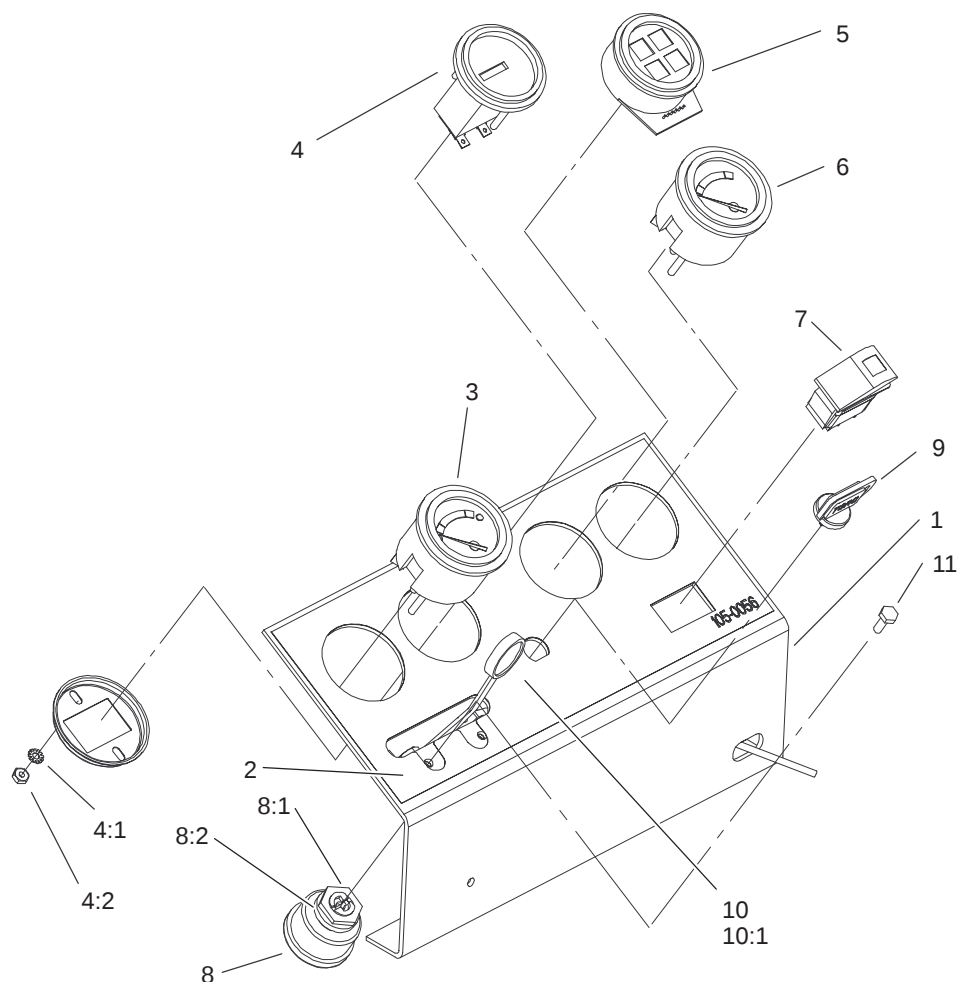


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Frame Assembly No. 98-3879

Ref. No.	Part No.	Qty.	Description
2	67-1720	2	Decal - Caution
3	53-4430	1	Decal-Oil
4	27-7320	1	Decal-Traction Pedal
5	70-2200	1	Decal-Toro
6	32148-9	1	Nut-Insert
7	11-0590	2	Screw-HWHTF
8	3234-25	10	Bolt-HF
9	3231-25	4	Screw-CARR
10	32128-21	4	Nut-HF
11	98-3866-01	2	Brace - Upper
12	98-3865-01	1	Brace - Lower Right
13	98-3864-01	1	Brace - Lower Left
14	3290-472	10	Insert-Threaded
15	256-126	2	Bushing
16	256-156	1	Bushing-Flange

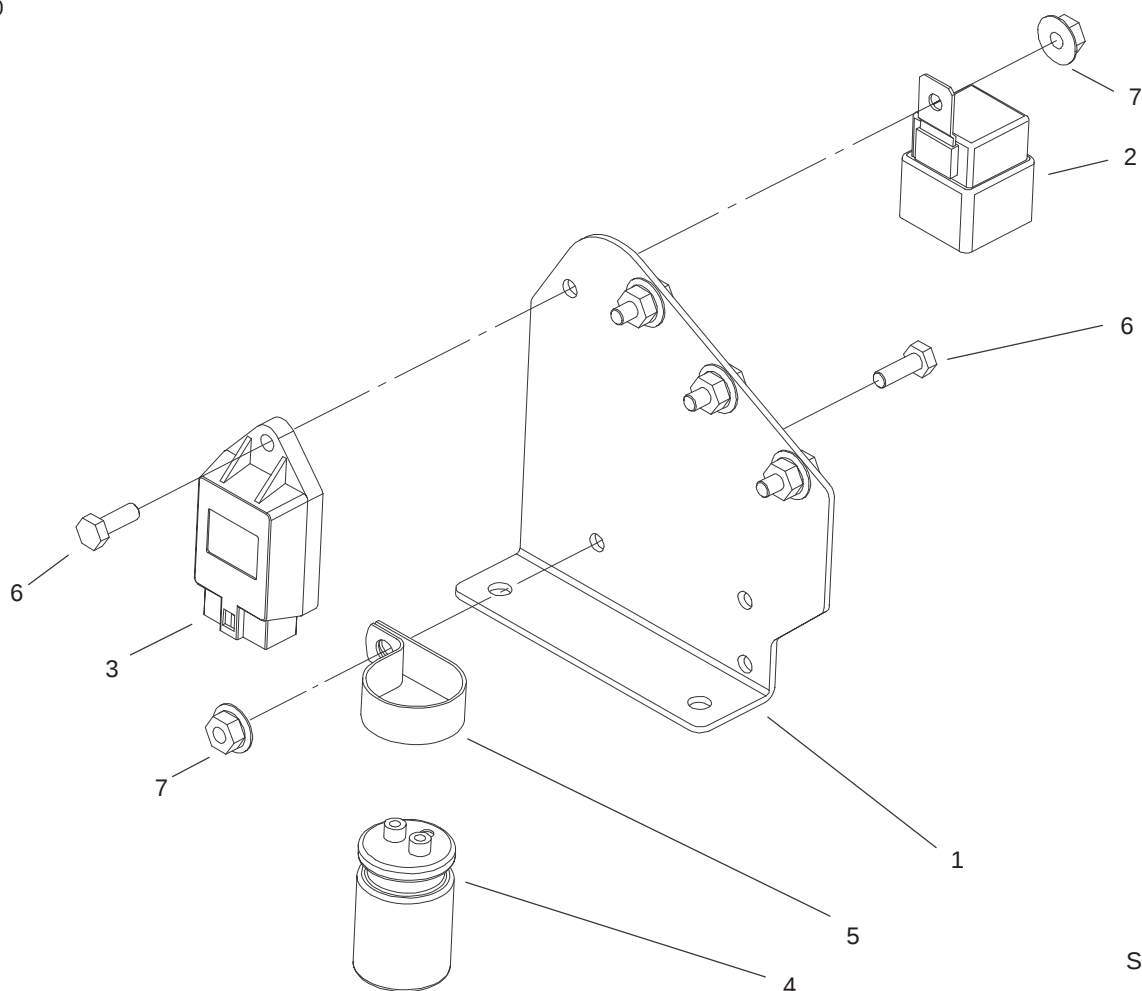
Ref. No.	Part No.	Qty.	Description



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Instrument Panel Assembly

Ref. No.	Part No.	Qty.	Description
1	105-0022-03	1	Panel-Instrument
2	105-0056	1	Decal-Instrument Panel
3	98-9339	1	Gauge-Fuel
4	66-2950	1	Gauge-Hourmeter
4:1	3255-20	2	Washer-Lock
4:2	3217-25	2	Nut-Hex
5	98-9306	1	Light-Warning
6	98-9308	1	Gauge-Temperature
7	100-8072	1	Switch
8	104-2541	1	Switch-Key
8:1	218-461	1	Nut-HH
8:2	3254-5	1	Washer-Lock, Internal
9	63-8360	1	Key-Ignition
10	43-3990	1	Control-Throttle
10:1	233-35	1	Knob
11	3290-134	2	Screw



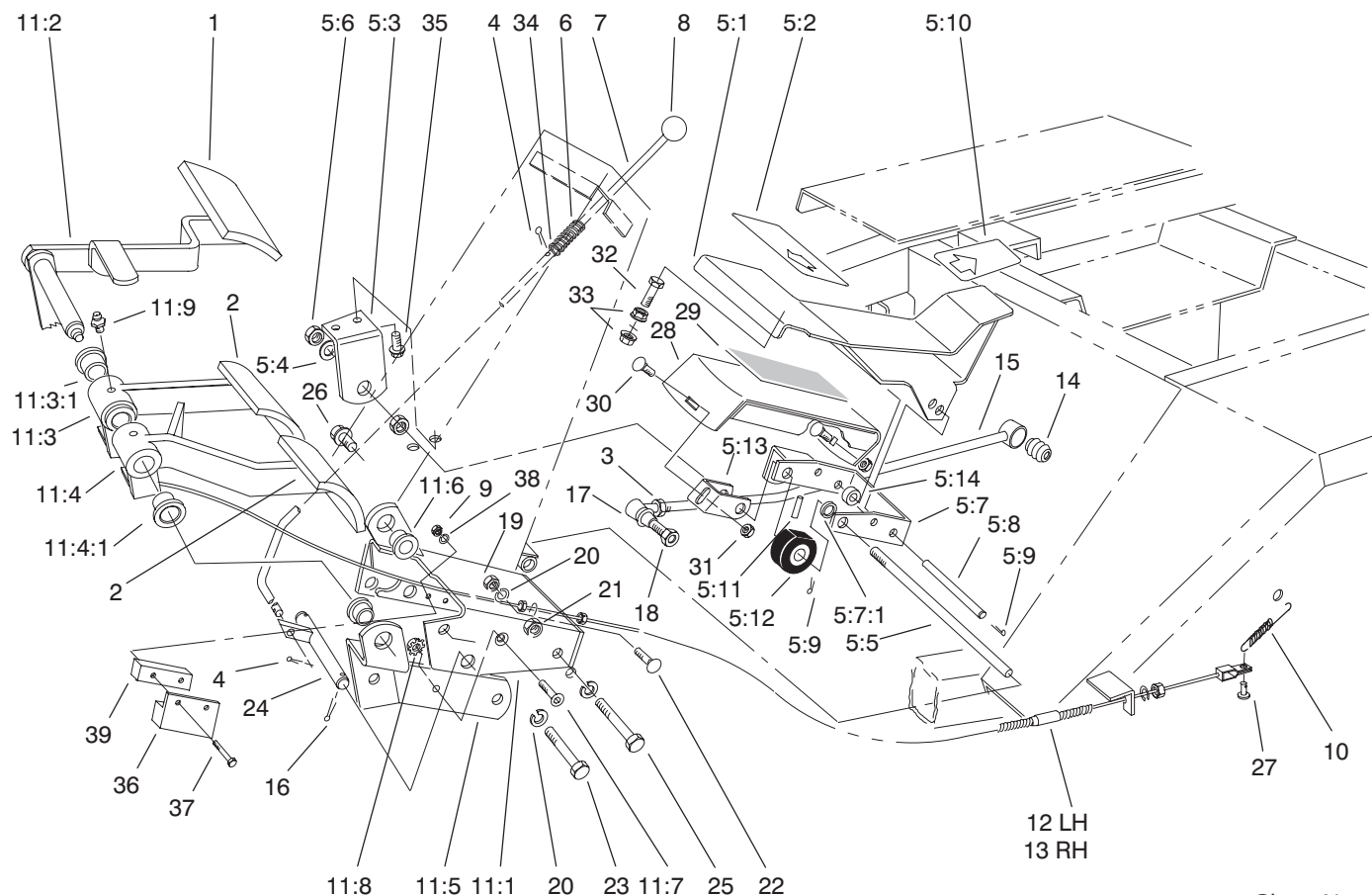
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T-3801

Relay Assembly

Ref. No.	Part No.	Qty.	Description
1	105-0002-01	1	Bracket-Relay
2	70-1480	4	Relay
3	98-7611	1	Controller-Glow
4	37-2690	1	Capacitor
*4:1	3252-18	2	Screw
*4:2	3254-1	2	Washer-Lock, Internal
5	2412-74	1	R-Clamp
6	321-4	5	Screw-HH
7	32128-33	5	Nut-HF

Ref. No.	Part No.	Qty.	Description

* Not illustrated

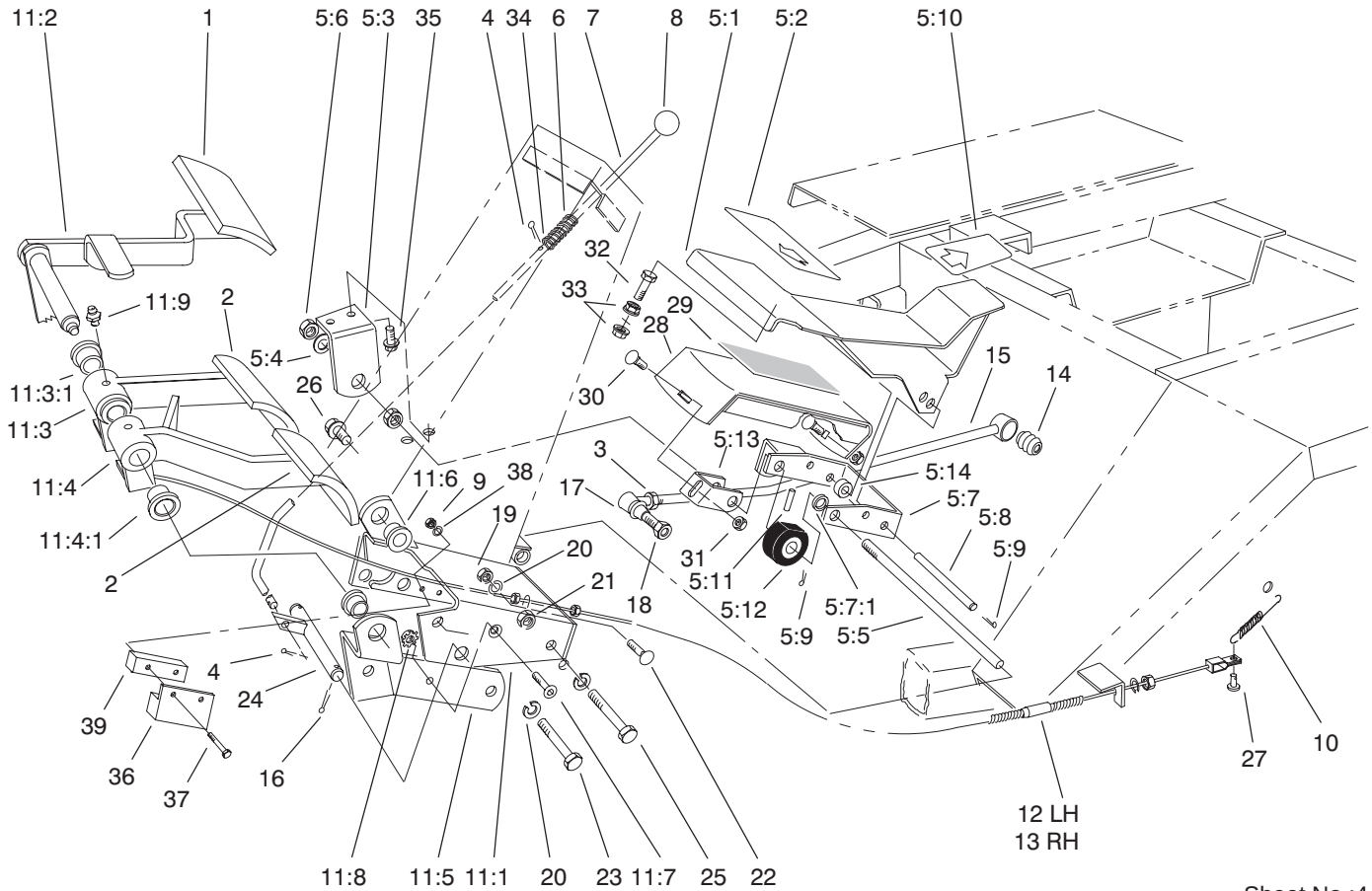


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Pedal Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	93-8742	1	Footpad-Brake	11:1	105-0066-01	1	Mount-Brake Pedal ASM
2	93-8743	2	Footpad - Turn	11:2	27-8550-01	1	Pedal ASM-Parking Brake
3	3220-5	1	Nut-HJ	11:3	27-7510	1	Pedal ASM-Brake, RH
4	3272-5	3	Pin-Cotter	11:3:1	256-10	2	Bushing-Flange
☆5		1	Traction Pedal ASM	11:4	27-7490	1	Pedal ASM-Brake, LH
5:1	94-3304-01	1	Support-Pedal	11:4:1	256-10	2	Bushing-Flange
5:2	94-3307	1	Pad - Traction Pedal	11:5	27-9270-01	1	Mount-Pivot Shaft, Brake
5:3	21-2850-01	1	Mount-Pedal, RH	11:6	256-156	2	Bushing-Flange
5:4	3256-26	1	Washer-Flat	11:7	3274-47	1	Screw-HSFH
5:5	88-1650	1	Shaft-Traction Pedal	11:8	32149-2	1	Nut
5:6	3218-5	2	Nut-Jam	11:9	302-5	2	Fitting-Grease
5:7	88-1670	1	Bracket ASM-Pivot	12	21-3380	1	Cable ASM-Brake, LH
5:7:1	256-156	2	Bushing-Flange	13	21-3370	1	Cable ASM-Brake, RH
5:8	88-1640	1	Pin-Traction Pedal	14	23-2270	1	Bushing-Rubber
5:9	3272-6	4	Pin-Cotter	15	23-2240-03	1	Tube ASM-Pump Control
5:10	94-3308	1	Pad - Traction Pedal				
5:11	32121-6	1	Pin-Roll				
5:12	28-5220	1	Wheel ASM-Friction				
5:13	88-1680-01	1	Bracket-Footrest				
5:14	88-0470	1	Tube-Spacer, Pedal				
6	95-1821-03	1	Spring-Compression				
7	82-8670	1	Rod-Brake Latch				
8	233-17	1	Knob				
9	3296-2	2	Nut-Lock				
10	3-7243	2	Spring-Extension				
☆11		1	Brake Pedal ASM				

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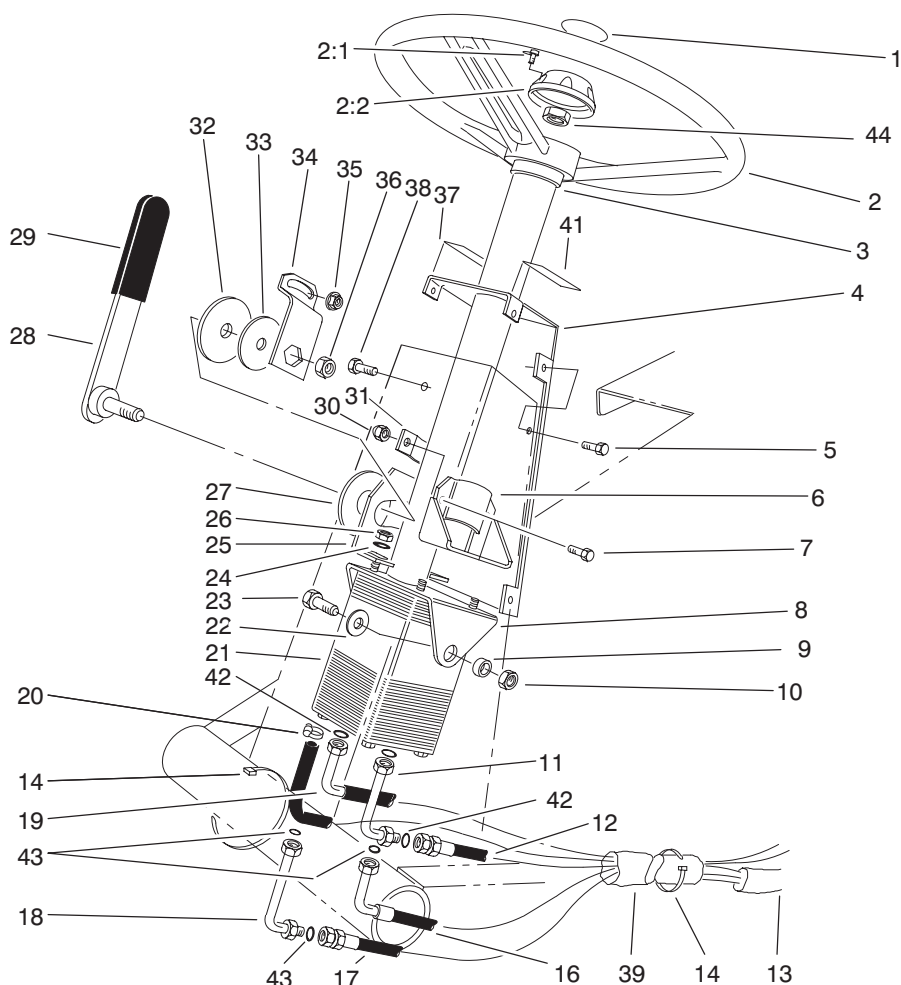


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Pedal Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
16	3272-6	2	Pin-Cotter
17	21-0141	1	RH Ball Joint ASM
18	3220-3	2	Nut-Jam
19	3217-7	2	Nut-Hex
20	3253-21	4	Washer-Lock
21	32153-2	2	Nut-Lock
22	3231-21	2	Screw-CARR
23	323-13	1	Screw-HH
24	105-0065	1	Shaft-Parking Brake ASM
25	323-14	1	Screw-HH
26	3234-11	3	Screw-HHF
27	283-58	2	Pin-Clevis
28	88-1710-01	1	Footrest
29	88-1720	1	Pad-Footrest
30	3230-1	2	Screw-CARR
31	32128-25	2	Nut-Flange
32	323-15	1	Screw-HH
33	32128-43	2	Nut-Flange
34	3256-22	1	Washer-Flat
35	11-0590	2	Screw-HWHTF
36	100-1270	1	Switch-Proximity
37	3290-360	2	Screw-HH
38	3256-51	2	Washer-Flat
39	105-0064	1	Spacer-Switch

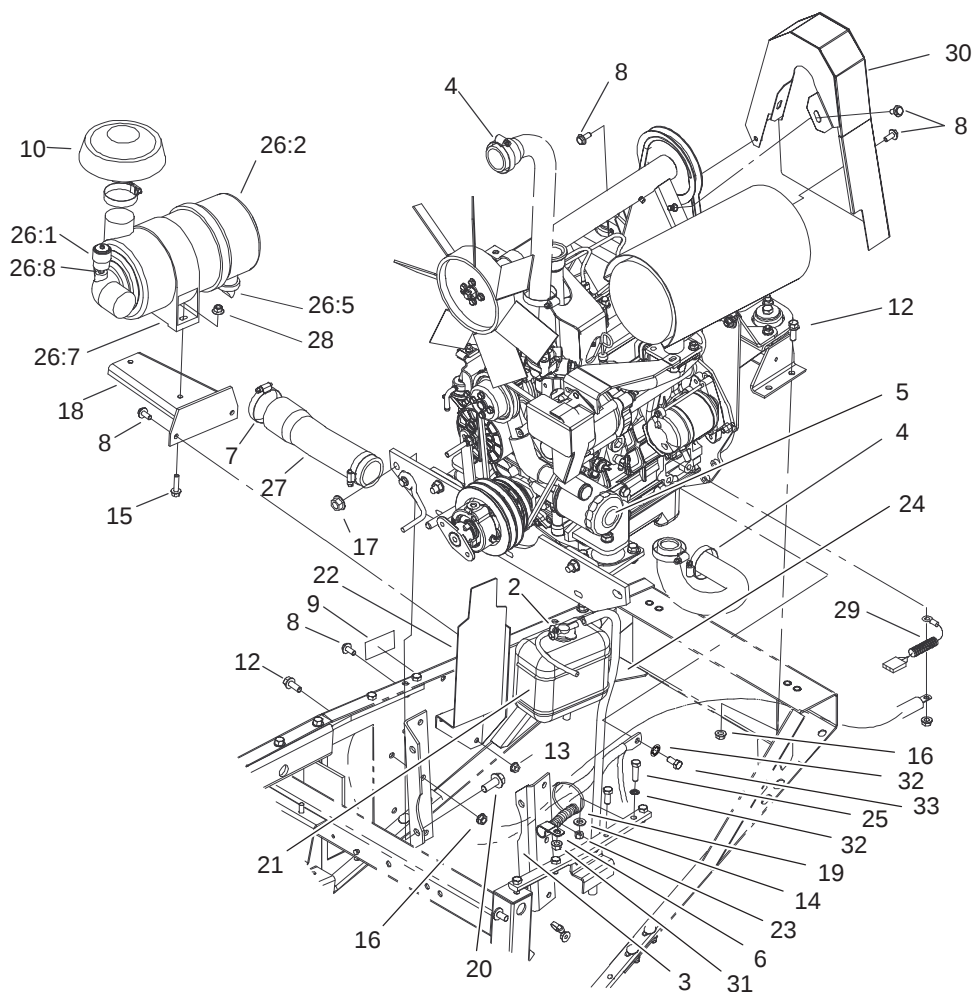
Ref. No.	Part No.	Qty.	Description
40	105-0066-01	1	Mount-Brake Pedal ASM
41	256-156	2	Bushing-Flange



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Power Steering Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	68-5370	1	Decal-Toro	23	323-6	2	Screw-HH
2	75-0560	1	Wheel-Steering	24	3256-3	4	Washer-Flat
2:1	32144-21	1	Screw	25	80-2940-03	1	Plate-Pivot
2:2	68-5140	1	Cap-Wheel, Steering	26	3296-20	4	Nut-Lock, NI
3	21-9260	1	Cover-Dust	27	31-0390	1	Disc-Friction
4	82-8660-01	1	Cover-Tower	28	93-1353-03	1	Lever-Steering, Tilt
5	32144-10	6	Screw-HWH	29	21-1880	2	Grip-Handle
6	67-8690-03	1	Support-Column	30	3296-29	2	Nut-Lock
7	322-5	2	Screw-HH	31	82-8650	1	Clamp-Column
8	77-3120-01	1	Bracket-Mounting, Column	32	82-9010	1	Disc-Friction
9	80-2960	2	Spacer - Tower	33	80-2930	1	Washer-Flat
10	32153-2	2	Nut-Lock	34	80-2880	1	Bracket-Tilt
11	82-8760	1	Elbow-HYD	35	32128-20	1	Nut-HF
12	63-8970	1	Hose-HYD	36	3218-7	1	Nut-Jam
13	70-1390	1	Sleeve-Protective	37	82-8940	1	Decal - Tilt Steering (only on: 30627)
14	3290-379	4	Tie-Cable	38	322-4	1	Screw-HH
16	68-9730	1	Hose-HYD, Steering	39	70-1380	1	Sleeve-Protective
17	68-9720	1	Hose-HYD, Steering	41	82-8930	1	Decal - Parking Brake
18	82-8770	1	Elbow-HYD	42	237-30	3	O-Ring
19	63-8980	1	Hose-HYD	43	237-22	3	O-Ring
20	2412-36	1	Clamp-Hose	44	66-9760	1	Nut-Hex
21	92-7308	1	Powersteering Unit				
22	3256-46	2	Washer-Flat				

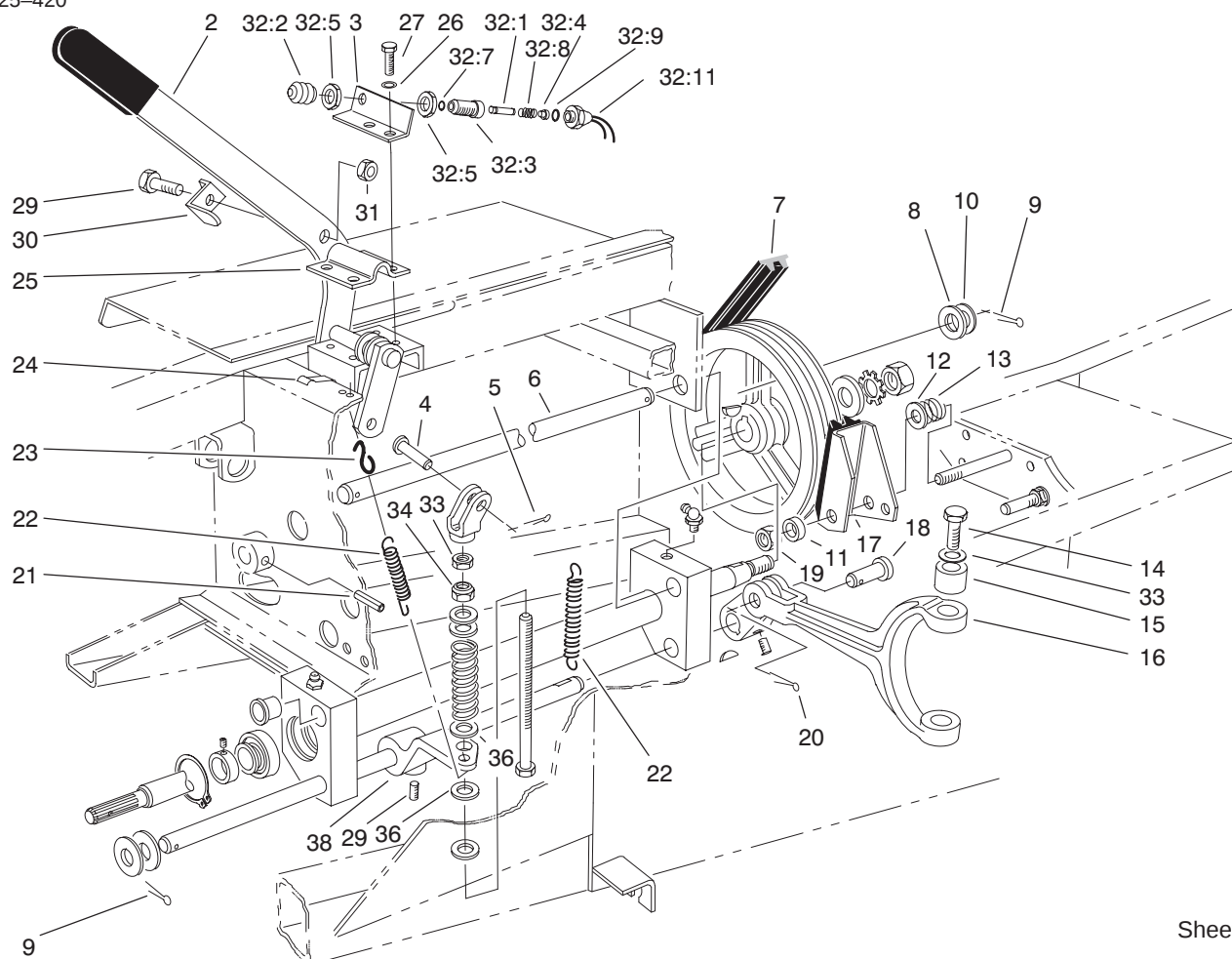


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Engine Installation Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
2	2412-108	2	Clamp-Worm	26	104-3428	1	Air Cleaner ASM
3	67-8190-01	2	Bracket-Engine, Support	26:1	93-9164	1	Indicator-Mini
4	2412-3	4	Clamp-Hose	26:2	104-0497	1	Cover ASM
5	23-9740	1	Filter-Oil	26:5	104-0498	1	Valve-Vacuator
6	98-3883	1	Clamp - Wire	*26:6	98-9763	1	Element ASM
7	2412-130	2	Clamp-Hose	26:7	98-4525	1	Bracket-Cleaner, Air
8	3234-5	9	Screw	26:8	94-1416	1	Indicator Adapter ASM
9	83-9150	1	Decal-Fluid, Starting	27	104-3434	1	Hose-Air Inlet
10	105-2539	1	Cap ASM	28	32128-20	2	Nut-HF
12	3234-11	10	Screw-HHF	29	99-3441	1	Harness-Wire, FusibleLink
13	32128-26	3	Nut-Flange	30	105-2555-03	1	Guard-Fan Belt ASM
14	3256-24	1	Washer-Flat	31	3296-59	1	Nut-Lock NI
15	3234-36	2	Screw-HHF	32	3254-6	2	Washer-Lock, Internal
16	3290-357	10	Nut-Flange, Lock	33	70-8470	1	Bolt-HH
17	32128-23	2	Nut-HF				
18	98-4518-03	1	Bracket-Cleaner, Air				
19	3290-378	1	Tie-Cable				
20	3234-32	2	Screw-HHF				
21	104-9318	1	Bottle-Overflow, Water				
22	105-0050-03	1	Bracket ASM-Reservoir				
23	3296-29	3	Nut-Lock				
24	63-7630	1	Hose				
25	323-7	1	Screw-HH				

* Not illustrated



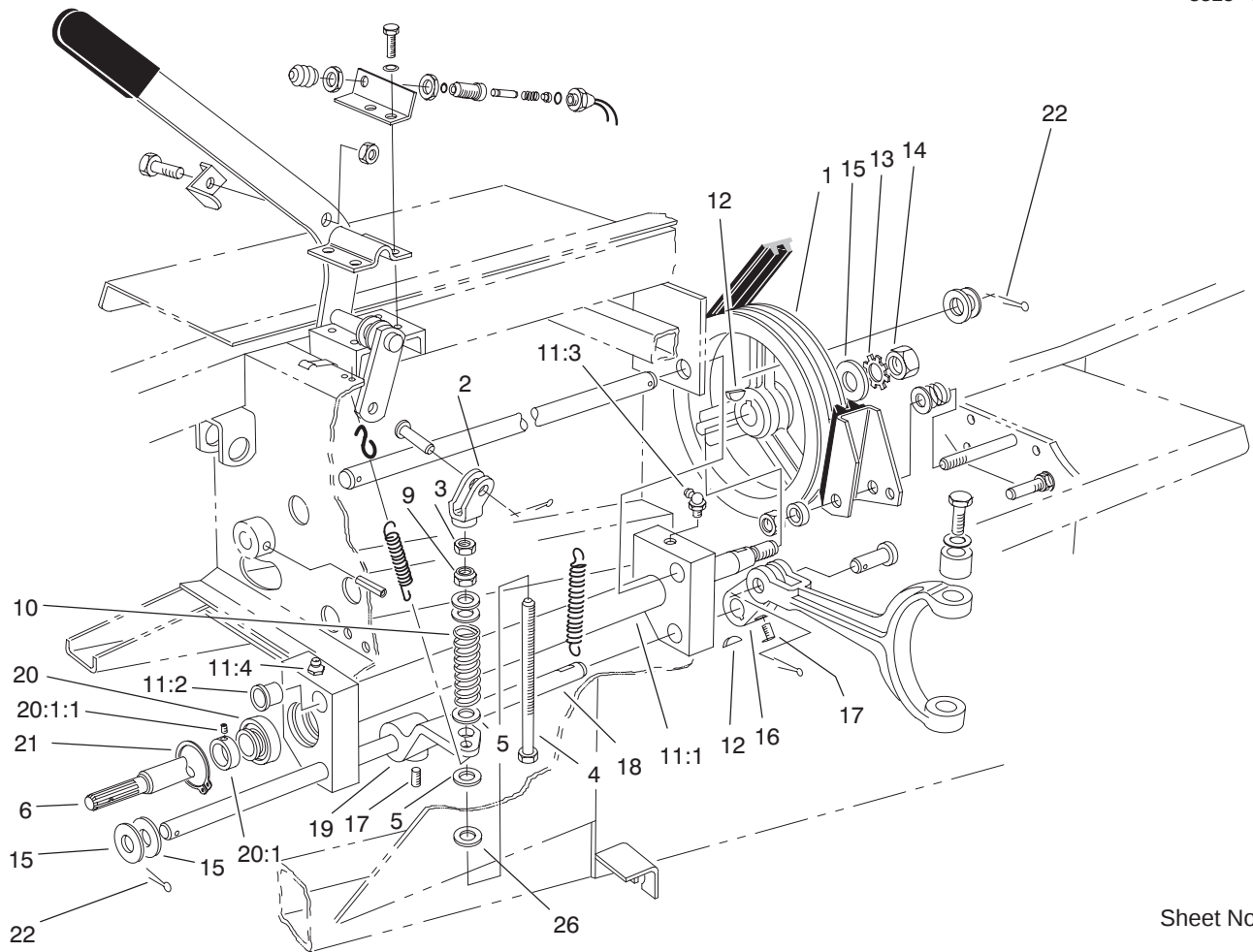
Sheet No.:7

PTO and Shaft Assembly

Ref. No.	Part No.	Qty.	Description
☆1		1	PTO ASM
2	84-8500-01	1	Lever-PTO
3	84-8520-01	1	Bracket-Switch, PTO
4	283-42	1	Pin-Clevis
5	3272-6	1	Pin-Cotter
6	43-3860	1	Shaft-Pivot, PTO
7	53-9660	1	V-Belt
8	3256-28	1	Washer-Flat
9	3272-22	1	Pin-Cotter
10	3-6498	3	Washer-Thrust
11	3-8812	1	Spacer-Spring Anchor
12	3256-6	1	Washer-Flat
13	5-1747	1	Spring-Adjustment
14	92-5727	2	Screw - Patch Lock
15	92-5723	2	Bushing-PTO Fork
16	92-4060-03	1	Fork-PTO
17	27-7370	1	PTO Brake ASM
18	93-3769	1	Pin-Clevis
19	3296-28	1	Nut-Lock NI
20	3272-11	1	Pin-Cotter
21	32121-9	1	Pin-Spring
22	21-1830	2	Spring - PTO Tension Anchor
23	5-0701	1	

Ref. No.	Part No.	Qty.	Description
24	212-93	3	Clamp-Casing
25	21-1600	1	Clamp-PTO Lever
26	3253-21	4	Washer-Lock
27	32104-6	4	Screw-HH
29	321-4	2	Screw-HH
30	86-7050	1	Bracket-Switch Actuator
31	3296-16	1	Nut-Lock, NI
32	43-9071	1	Limit Switch ASM
32:1	43-8860	1	Plunger-Switch
32:2	43-8870	1	Boot-Switch
32:3	43-8620	1	Pin - Guide, Switch
32:4	43-8610	1	Guide
32:5	218-461	2	Nut-HH
32:7	237-7	1	O-Ring
32:8	43-8600	1	Spring-Compression
32:9	237-30	1	O-Ring
32:11	72-4320	1	Switch

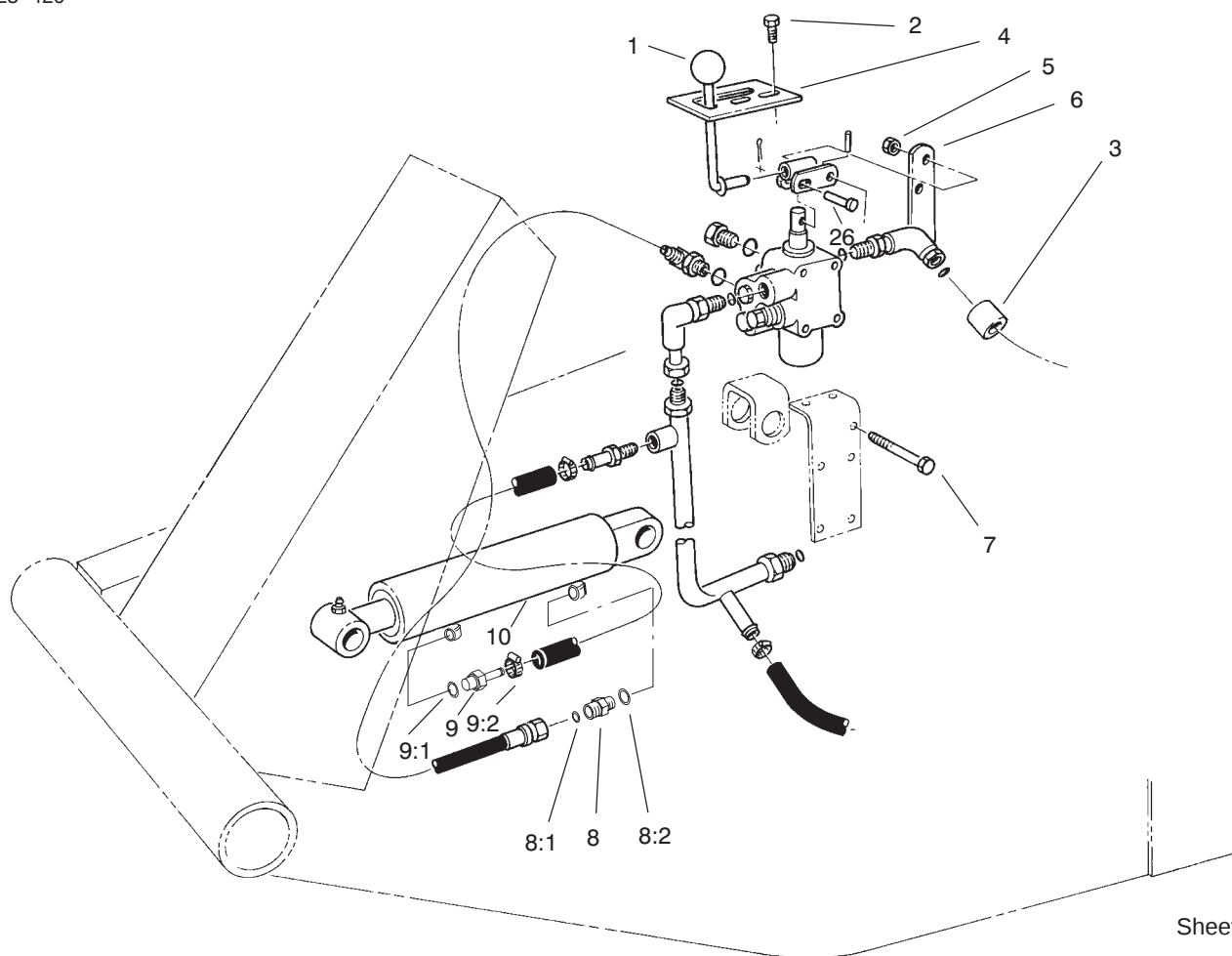
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Sheet No.:A8

PTO and Shaft Assembly (Continued)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	21-0230	1	Pulley-PTO, Machining	21	32120-22	2	Ring-Snap, Internal
2	43-5630	1	Yoke-PTO, Machining	22	3272-22	1	Pin-Cotter
3	3219-3	1	Nut-HH	26	5-0652	1	Spacer
4	27-7900	1	Screw-Adjusting				
5	3256-41	4	Washer-Flat				
6	43-5540	1	Shaft-PTO				
9	3296-6	1	Nut-Lock, NI				
10	21-0400	1	Spring-Compression				
11	100-6599	1	PTO Pivot ASM				
11:1	43-5500-01	1	PTO Pivot				
11:2	256-113	4	Bushing-Flange				
11:3	302-10	1	Fitting-Grease				
11:4	302-2	1	Fitting-Grease				
12	3257-5	3	Key-Woodruff				
13	3254-7	1	Washer-Lock/Int				
14	3219-7	1	Nut-Hex				
15	3256-28	3	Washer-Flat				
16	92-4058	1	Arm-PTO				
17	3246-3	4	Screw-HS				
18	43-5550	1	Shaft-Actuator, PTO				
19	43-5570	1	Arm-Actuator				
20	251-252	2	Bearing				
20:1	251-234	1	Collar-Locking				
20:1:1	3245-1	1	Screw-Set, HSH				

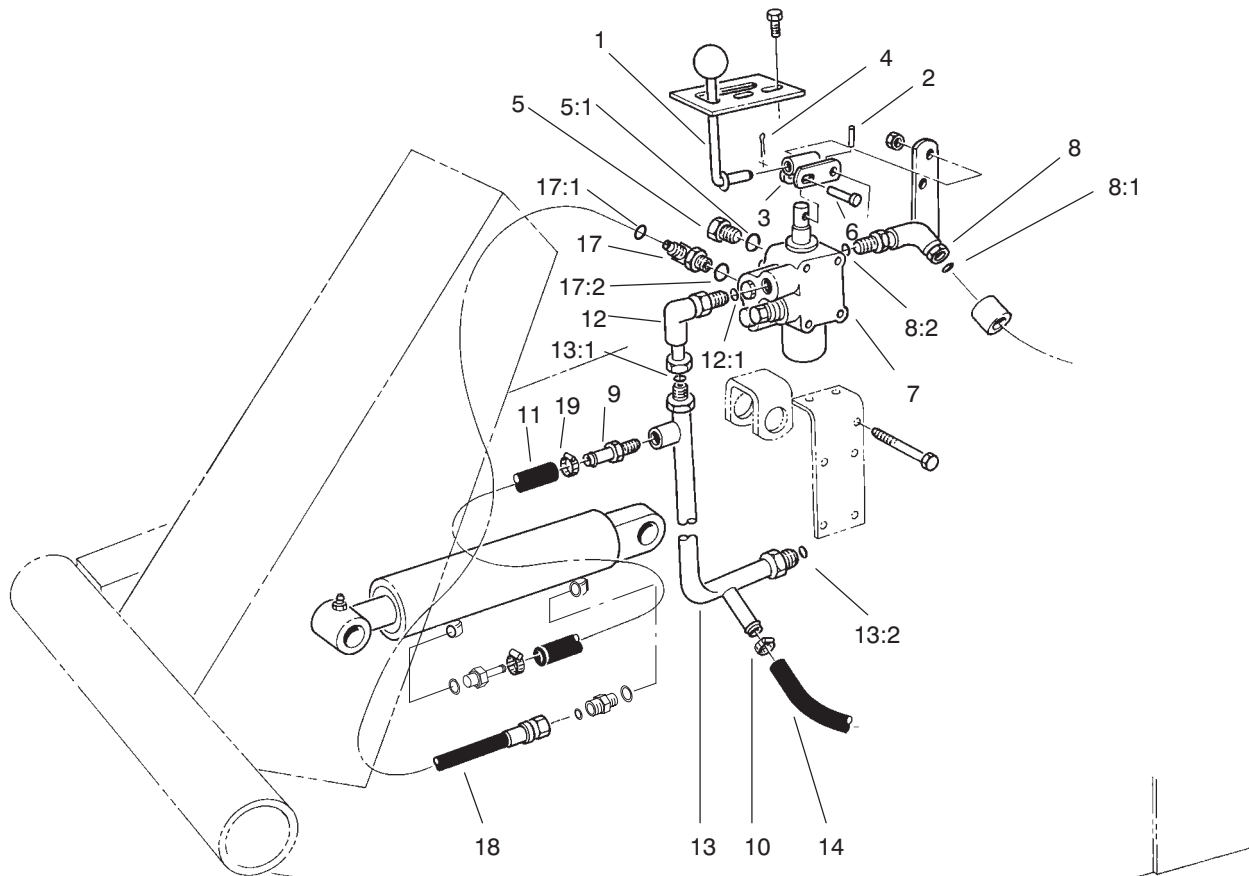


Sheet No.:8

Valve and Cylinder Assembly

Ref. No.	Part No.	Qty.	Description
1	233-21	1	Knob
2	32144-10	2	Screw-HWH
3	38-3400	2	Guard-Rubber
4	21-8640	1	Latch-Valve Lever
5	3296-42	5	Nut-Lock, NI
6	21-9010	1	Lever-Valve, Pivot Mount
7	321-23	5	Screw-HH
8	340-2	1	Adapter-Straight, HYD
8:1	237-22	1	O-Ring
8:2	237-42	1	O-Ring
9	95-8849	1	Fitting - Straight
9:1	237-78	1	O-Ring
10	100-6586	1	Cylinder-Hydraulic

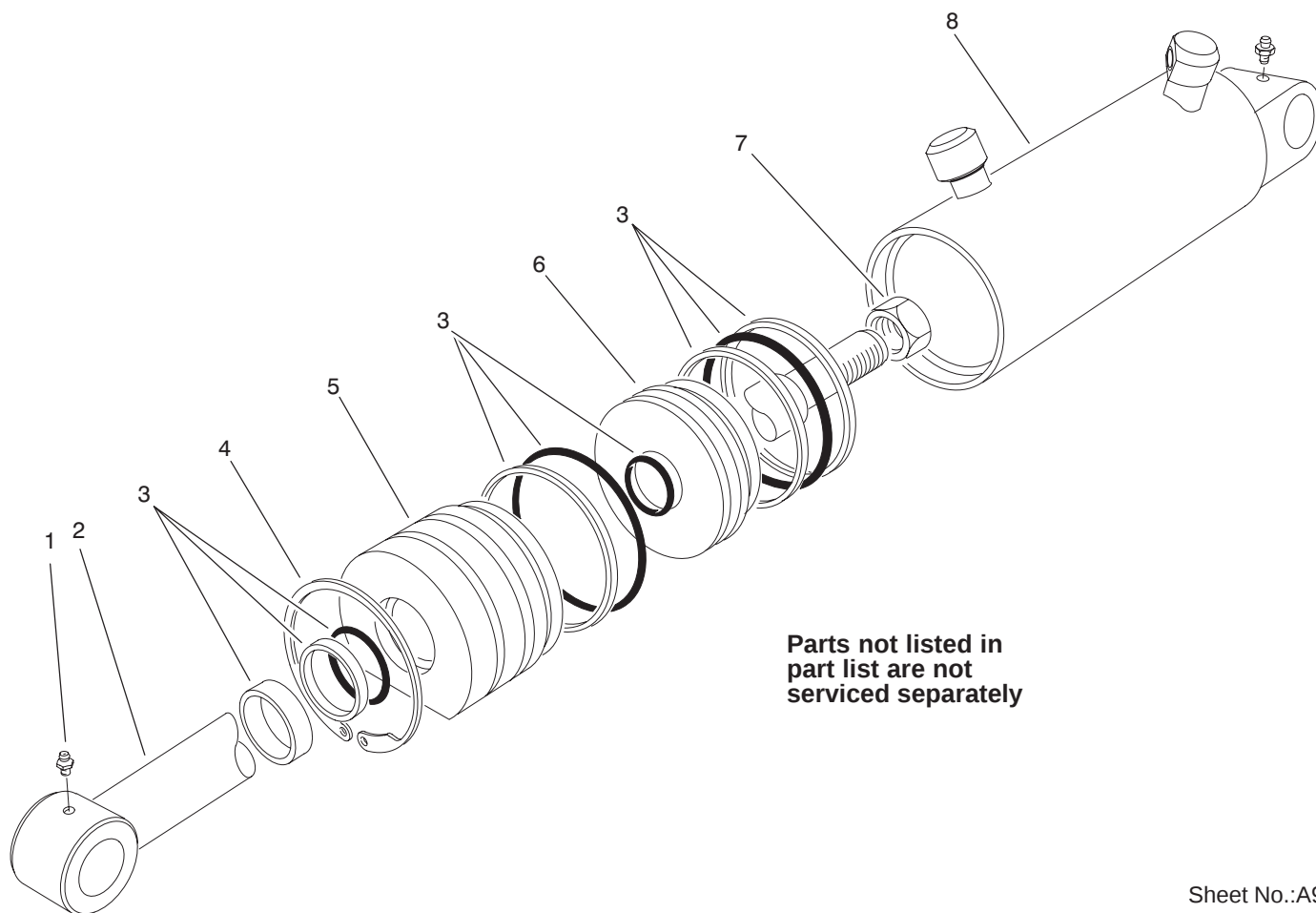
Ref. No.	Part No.	Qty.	Description



Sheet No.:B1

Valve and Cylinder Assembly (Continued)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	21-8620-03	1	Lever-Valve				
2	32121-73	1	Pin-Roll				
3	21-8590-03	1	Link-Valve Lever				
4	3272-6	1	Pin-Cotter				
5	353-512	1	Plug				
5:1	237-78	1	O-Ring				
6	283-17	1	Clevis				
7	43-1710-01	1	Valve ASM				
8	340-99	1	Fitting-HYD, 90°				
8:1	237-30	1	O-Ring				
8:2	237-42	1	O-Ring				
9	304-73	1	Connector-Hose				
10	2412-36	1	Clamp-Hose				
11	92-7834	1	Hose				
12	340-110	1	Elbow-Swivel, 90°				
12:1	237-42	1	O-Ring				
13	63-9260	1	Manifold-Valve				
13:1	237-22	1	O-Ring				
13:2	237-30	1	O-Ring				
14	63-8990	1	Hose - Out/Cool				
17	340-97	1	Fitting-HYD, 90°				
17:1	237-22	1	O-Ring				
17:2	237-78	1	O-Ring				
18	92-7833	1	Hose ASM				
19	2412-108	1	Clamp-Worm				



**Parts not listed in
part list are not
serviced separately**

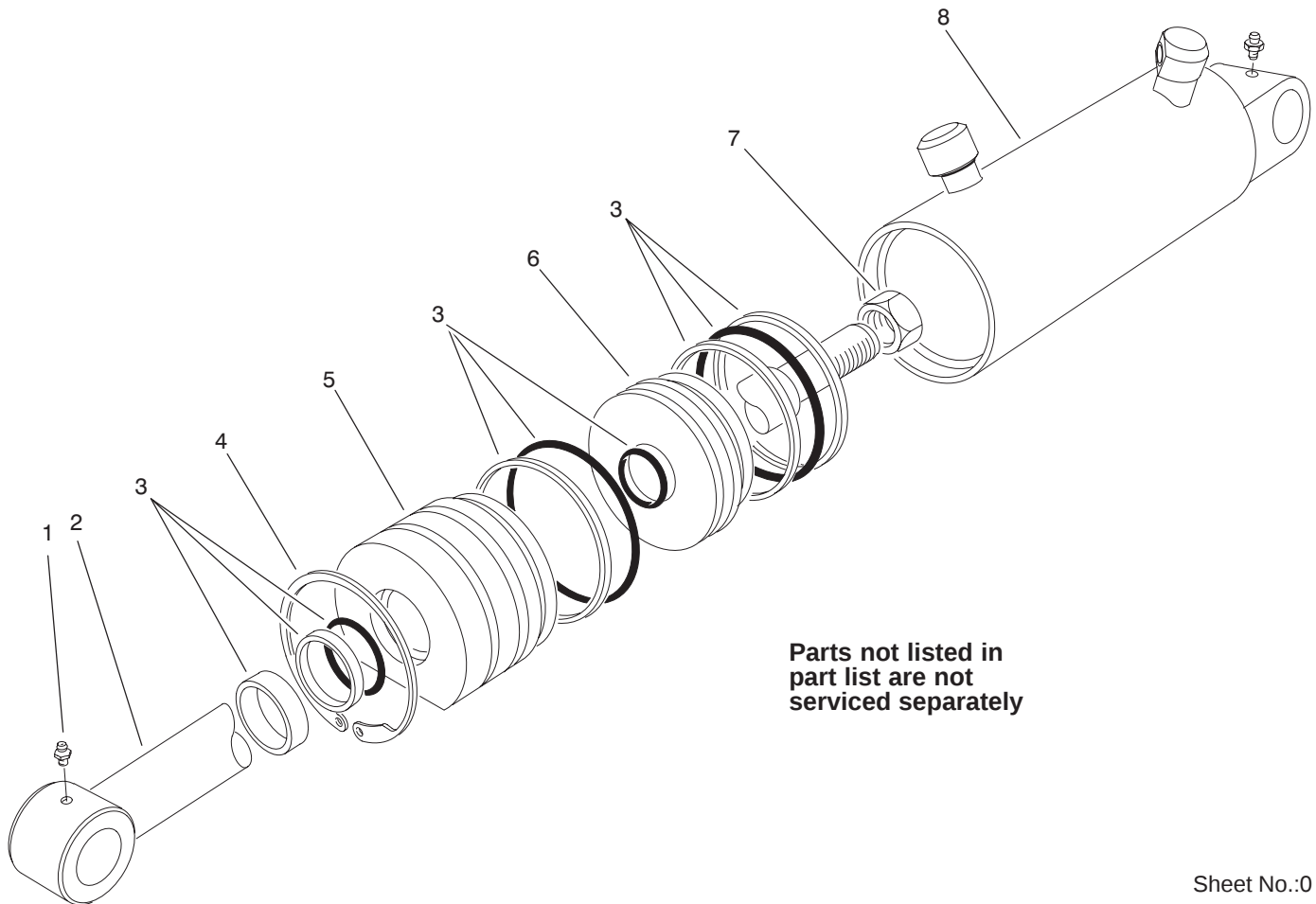
Sheet No.:A9

T-3789

Hydraulic Cylinder Assembly No. 100-6586 (2-1/2in. Bore)

Ref. No.	Part No.	Qty.	Description
1	302-55	2	Zerk
2	61-4980	1	Shaft With Clevis
3	61-4960	1	Seal Repair Kit
4	61-4990	1	Retaining Ring
5	60-9780	1	Head
6	60-9770	1	Piston
7	60-9760	1	Nut

Ref. No.	Part No.	Qty.	Description



**Parts not listed in
part list are not
serviced separately**

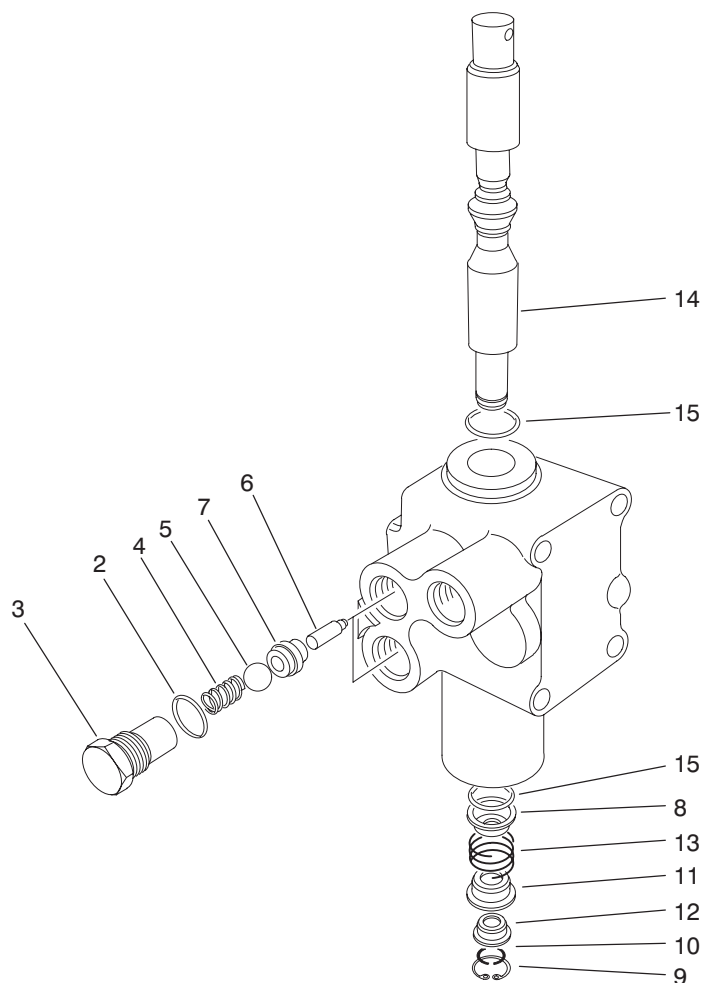
Sheet No.:0

T-3790

Hydraulic Cylinder Assembly No. 100-6591(Optional) (3 in. Bore)

Ref. No.	Part No.	Qty.	Description
1	302-55	2	Zerk
2	67-5480	1	Shaft With Clevis
3	67-5500	1	Seal Repair Kit
4	67-5470	1	Ring-Snap
5	67-5460	1	Head
6	67-5450	1	Piston
7	60-9760	1	Nut

Ref. No.	Part No.	Qty.	Description



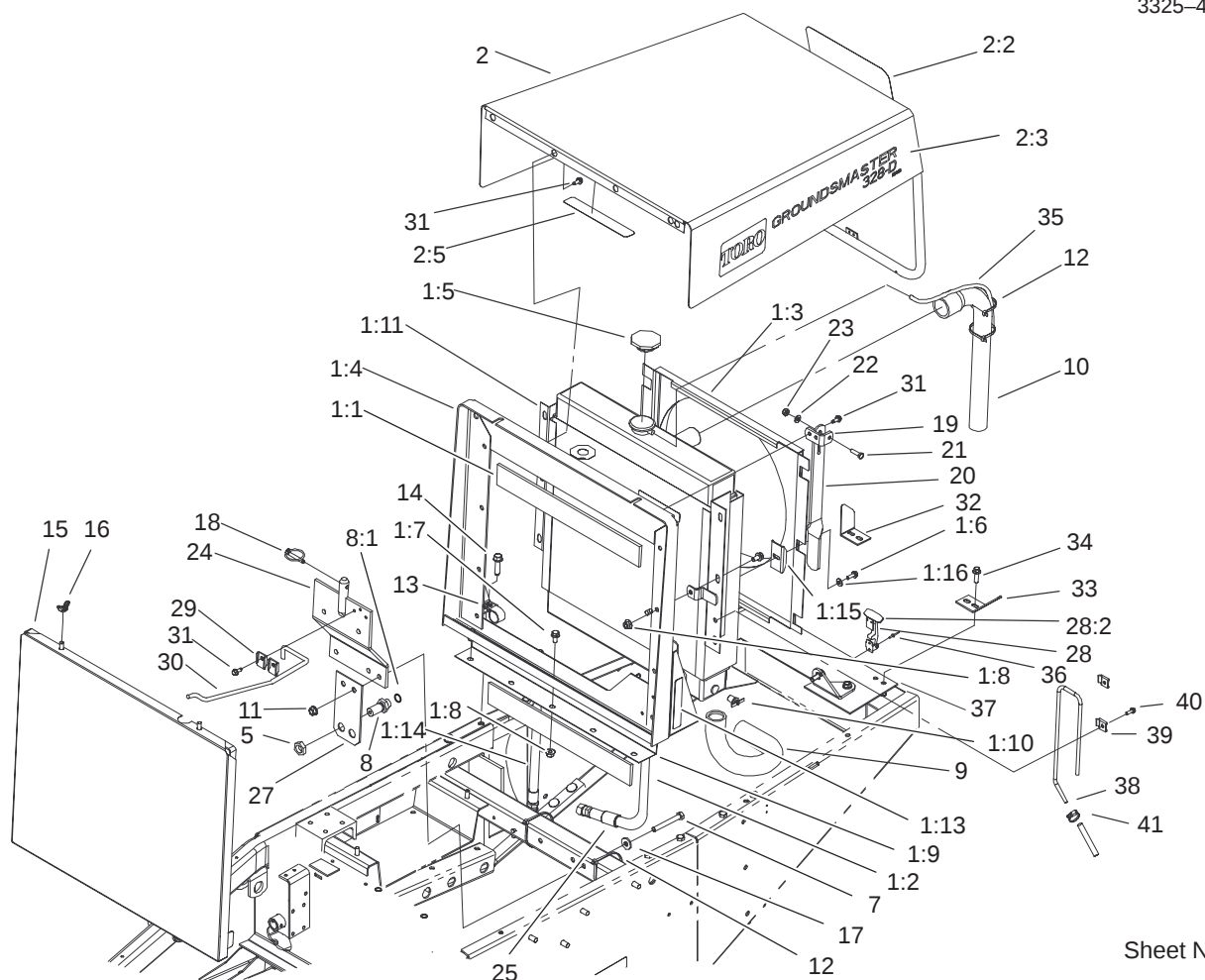
Sheet No.:B2

T-0428

Valve Assembly No. 43-1710-01

Ref. No.	Part No.	Qty.	Description
2	237-42	2	O-Ring
3	22-8330	2	Plug
4	22-8340	2	Spring
5	22-8350	2	Ball
6	22-8360	2	Pin
7	22-8370	2	Seat-Valve
8	22-8380	1	Retainer
9	22-8490	1	Ring-Snap
10	22-8480	1	Ring-Snap
11	22-8390	1	Retainer
12	22-8400	1	Spacer
13	22-8410	1	Spring
14	22-8420	1	Spool
15	22-8500	2	O-Ring

Ref. No.	Part No.	Qty.	Description



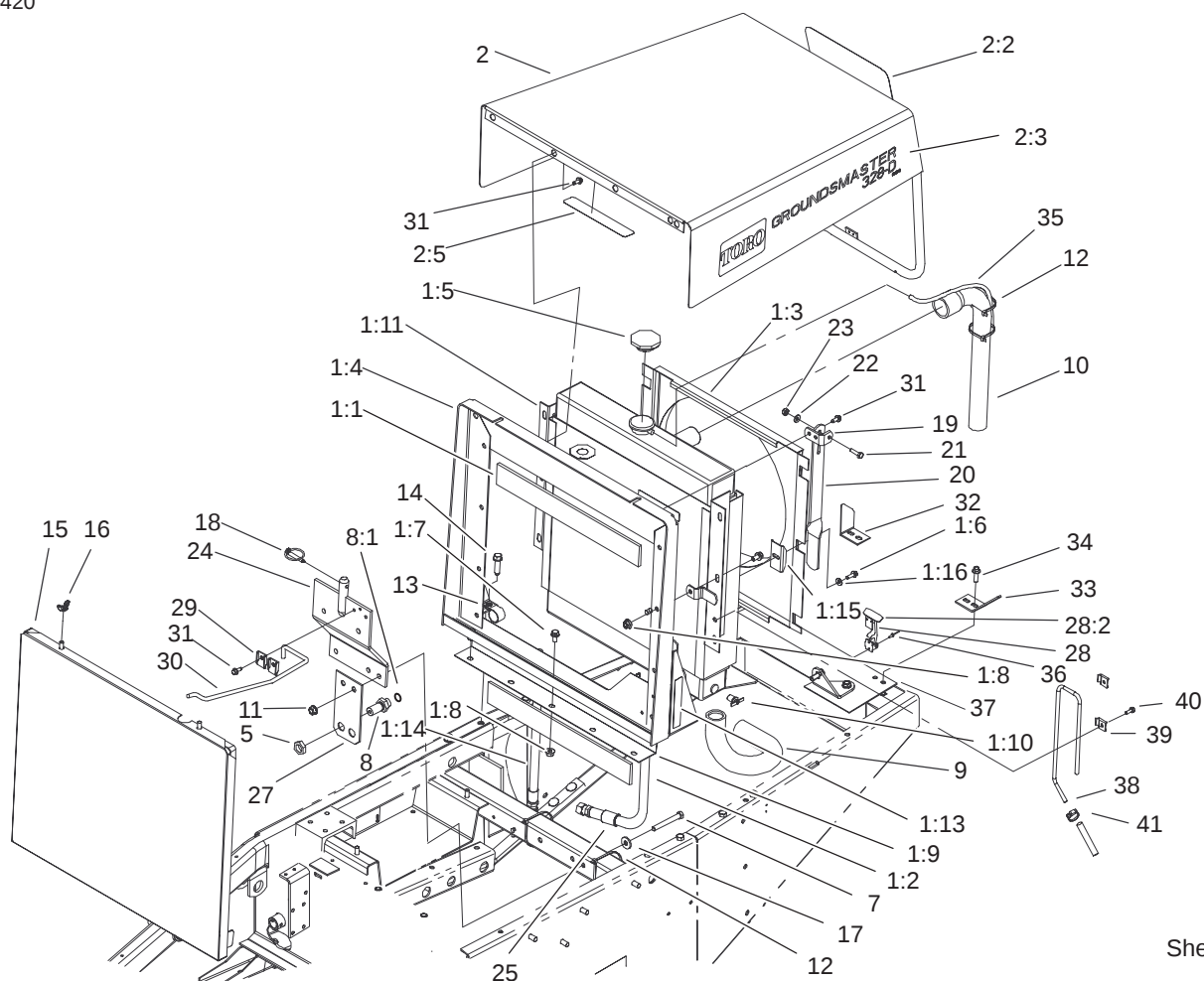
Sheet No.:9

Radiator and Hood Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
☆1		1	Radiator And Grill ASM	2:5	82-8970	1	Decal-Coolant, Engine
1:1	43-3320	2	Foam-Radiator	*4	77-3100	3	Decal - Caution (only on: 30627)
1:2	63-9010	1	Hose-Transmission, Coolant	5	340-70	2	Locknut-Bulkhead
1:3	105-0007-03	1	Fan Shroud ASM	7	323-14	3	Screw-HH
1:4	105-4267-01	1	Radiator Support ASM [Red]	8	340-71	2	Fitting-Straight, Bulkhead
1:5	66-3240	1	Cap-Radiator	8:1	237-22	2	O-Ring
1:6	321-4	6	Screw-HH	9	104-3432	1	Hose-Radiator, Bottom
1:7	3234-14	13	Screw-HHF	10	104-3433	1	Hose-Radiator, Top
1:8	32128-20	13	Nut-HF	11	32128-21	3	Nut-HF
1:9	105-4264-03	1	Grill-Sealing Plate	12	3290-379	6	Tie-Cable
1:10	304-46	1	Draincock	13	2412-39	1	R-Clamp
1:11	104-3483	1	Radiator ASM	14	11-0590	1	Screw-HWHTF
*1:12	505-55	1	Seal-Pipe, Teflon	15	105-2584-03	1	Grille ASM
1:13	93-7272	3	Decal-Warning	16	32103-2	2	Nut-Wing
1:14	63-8960	1	Hose	17	5-0838	3	Washer
1:15	105-0012-03	6	Clip-Mounting, Fan Shroud	18	283-76	1	Pin-Lynch
1:16	3256-22	6	Washer-Flat	19	84-5330	1	Bracket-Prop, Hood
*1:17	93-7840	1	Decal-Cap, Radiator	20	84-5380	1	Strap-Prop, Hood
2	105-0067	1	Hood ASM	21	321-6	1	Screw-HH
2:2	66-6140	1	Decal-Toro	22	3256-22	1	Washer-Flat
2:3	105-0046	2	Decal-Hood, Gm328	23	3296-16	1	Nut-Lock, NI

☆ Not serviced

* Not illustrated

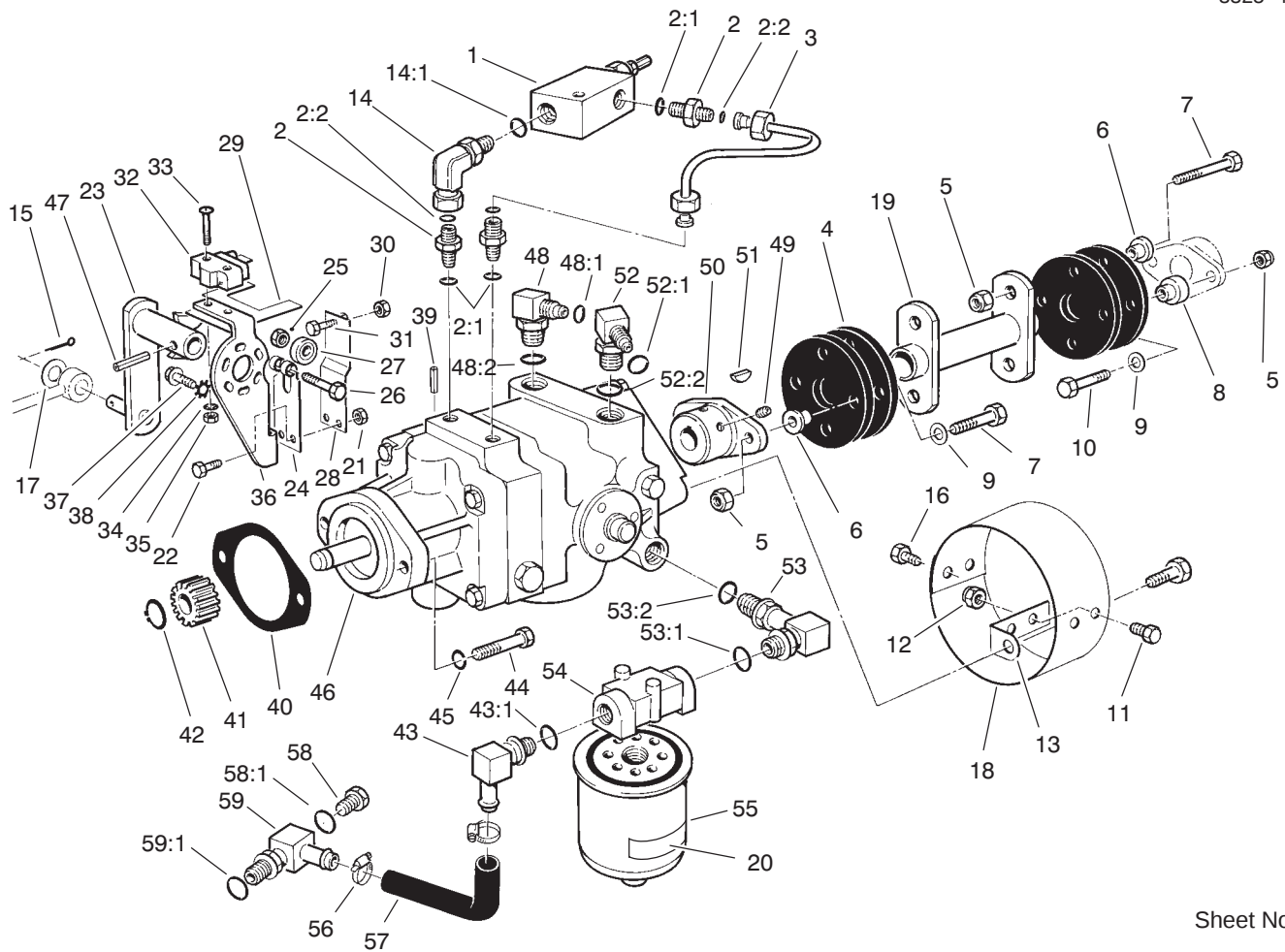


Sheet No.:9

Radiator and Hood Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
24	105-2542-01	1	Bracket-Seat Support
25	38-3400	1	Guard-Rubber
27	68-9160	1	Bracket
28	59-9740	1	Latch ASM-Flex Draw
28:2	249-40	1	Keeper
29	3-6657	2	Clip-Skid
30	86-7040	1	Rod-Prop, Seat
31	32144-10	7	Screw-HWH
32	62-3010-01	1	Bracket-RH
33	62-3020-01	1	Bracket-LH
34	3234-17	4	Screw-HHF
35	68-5470	1	Hose-Overflow
36	3290-55	4	Rivet-Pop
37	105-2549-01	1	Guard-Flywheel
38	105-4265	1	Tube-Vent
39	3-6657	2	Clip-Skid
40	32104-109	2	Screw-HWH
41	2412-36	1	Clamp-Worm

Ref. No.	Part No.	Qty.	Description

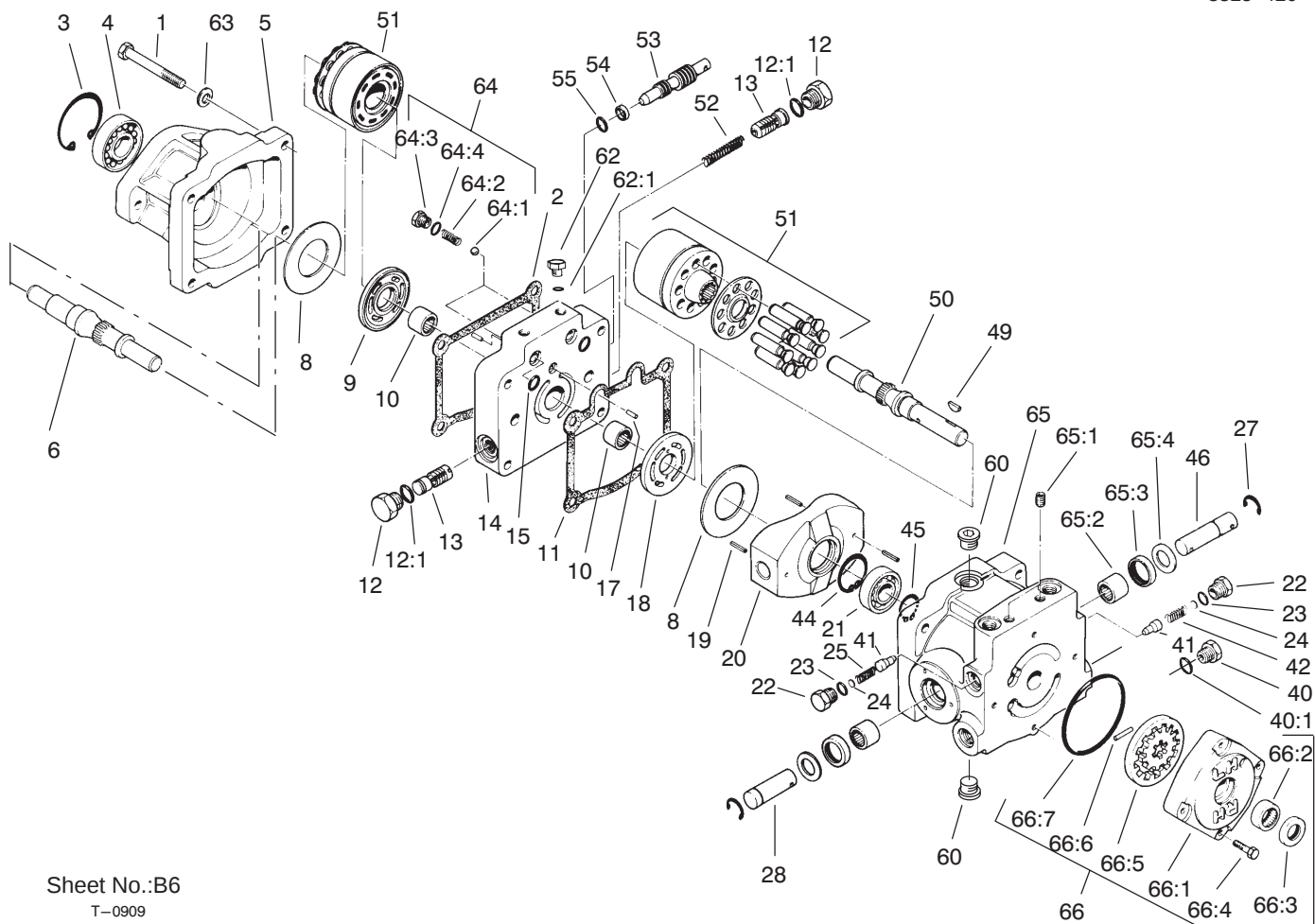


Sheet No.:11

Hydrostatic Transmission Assembly

Ref. No.	Part No.	Qty.	Description
1	72-3540	1	Relief Valve (only on: 30627)
2	340-92	3	Fitting-HYD, Straight (only on: 30627)
2:1	237-78	1	O-Ring (only on: 30627)
2:2	237-21	1	O-Ring (only on: 30627)
3	72-3550	1	Tube (only on: 30627)
4	44-2230	4	Coupling-Rubber
5	32152-1	8	Nut-Lock, NI
6	71-4411	6	Spacer
7	322-8	6	Screw-HH
8	71-4410	2	Spacer
9	3256-3	4	Washer-Flat
10	322-10	2	Screw-HH
11	321-2	2	Screw-HH
12	3296-42	4	Nut-Lock, NI
13	54-9290	2	Bracket-Mounting
14	340-143	1	Elbow-Swivel, 90
14:1	237-78	1	O-Ring
15	3272-10	1	Pin-Cotter
16	321-4	2	Screw-HH
17	3256-6	1	Washer-Flat
18	54-9300-03	1	Pump Shaft Cover

Ref. No.	Part No.	Qty.	Description
19	105-0033-03	1	Drive Shaft ASM
20	93-7816	1	Decal-Filter
21	3296-42	2	Nut-Lock, NI
22	321-6	2	Screw-HH
23	28-9570-03	1	Lever-Pump
24	29-6150	1	Spring-Leaf
25	3296-29	1	Nut-Lock
26	322-17	1	Screw-HH
27	251-259	1	Bearing
28	29-6170	1	Leaf Spring ASM
29	46-8810	1	Stop-Leaf Spring
30	3219-2	1	Nut-Hex
31	3210-7	1	Screw-HH
32	29-6163	1	Switch-Micro
33	3249-11	2	Screw
34	324-9	2	Washer-Lock/Int
35	3217-16	2	Nut-Hex
36	29-6120-03	1	Plate-Pump
37	49-2040	3	Screw-Tapping
38	3255-7	3	Washer-Lock/Ext
39	32121-6	1	Pin-Roll
40	41-8760	1	Gasket
41	86-7220	1	Gear-Pinion
42	32120-72	1	Ring-Snap
43	353-987	1	Fitting-HYD Barb, 90 Deg



Sheet No.:B6

T-0909

Hydrostatic Transmission Assembly No. 92-8947

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
2	67-9100	1	Gasket	28	25-2500	1	Shaft-Trunnion
3	32120-8	1	Ring-Snap	40	353-551	1	Plug-HH
4	72-3750	1	Bearing - Roller	40:1	237-80	1	O-Ring
5	67-9080	1	Housing-Motor	41	83-7260	2	Cone-Charge Relief
6	46-8410	1	Motor Shaft	42	25-2570	1	Spring-Valve
8	25-2380	2	Plate-Thrust	44	32120-11	1	Ring-Retaining
9	25-2390	1	Plate-Valve, Motor	45	32120-15	1	Ring-Snap, Ext
10	46-8400	2	Bearing-Shaft	46	25-2580	1	Shaft-Trunnion
11	25-2400	1	Gasket	49	3257-32	1	Key-Woodruff
12	353-550	2	Plug-HYD	50	67-8020	1	Shaft-Pump
12:1	237-79	1	O-Ring	51	48-1800	2	Kit-Cylinder Block
13	25-2410	2	Valve ASM	52	25-2610	1	Spring-Valve
14	92-8918	1	Center Section	53	88-8220	1	Valve-By-Pass
15	93-4132	2	O-Ring	54	25-2630	1	Ring-Back-Up
17	25-2430	2	Pin-Dowel	55	237-22	1	O-Ring
18	25-2440	1	Plate-Valve, Pump	60	67-9090	1	Plug
19	32121-91	3	Pin-Coil Spring	62	92-8776	4	Plug (only on: 30626)
20	25-2450	1	Plate-Swash, Variable	62:1	92-8777	1	O-Ring (only on: 30626)
21	251-8	1	Bearing-Ball	63	93-0312	4	Washer-Hardened
22	25-2460	2	Plug-HH	64	99-5689	1	Check Valve ASM
23	237-86	4	O-Ring	64:1	25-2490	1	Ball
24	25-2470	2	Pack-Shim	64:2	25-2640	1	Spring-Valve
25	25-2480	1	Spring-Valve	64:3	25-2650	1	Check Valve Plug
26	25-2490	2	Ball	64:4	237-86	1	O-Ring
27	32151-46	2	Ring-Retaining	65	54-7890	1	Housing Kit

This diagram is an exploded view of a mechanical assembly, likely a pump or valve. It shows the main body (1) and various components including:

- Top Section:** Components 3, 4, 1, 63, 5, 51, 64, 53, 54, 52, 12, 13, 12:1.
- Left Section:** Components 3, 4, 1, 63, 5, 6, 8, 9, 10, 11, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
- Right Section:** Components 12, 13, 12:1, 51, 50, 49, 65, 65:1, 65:4, 46, 27, 22, 23, 24, 42, 40, 40:1, 66:2, 66:7, 66:6, 66:5, 66:1, 66:4, 66:3.

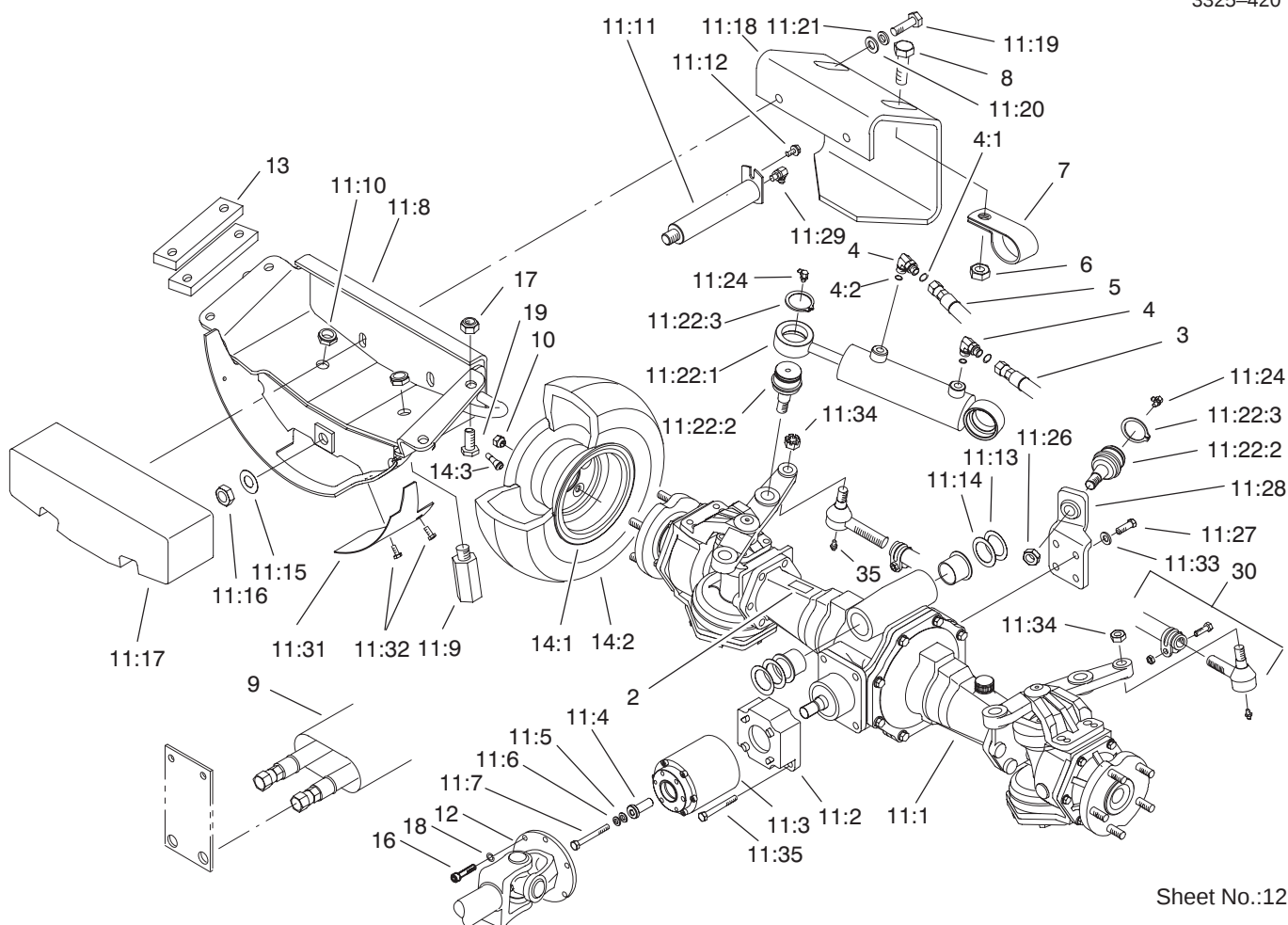
 The diagram uses standard mechanical drawing conventions, including dashed lines to indicate the assembly path and alignment of parts.

T-0909

Hydrostatic Transmission Assembly No. 92-8947 (Continued)

Ref. No.	Part No.	Qty.	Description
65:1	285-17	2	Plug-Pipe
65:2	252-82	2	Bearing-Needle
65:3	25-3210	2	Seal-Lip
65:4	25-2510	2	Washer-Flat
66	25-3190	1	Charge Pump Kit
66:1	25-2550	1	Housing-Pump, Charge
66:2	67-8050	1	Bearing-Needle
66:3	93-4133	1	Seal-Lip
66:4	322-4	4	Screw-HH
66:5	25-2540	1	Gerotor ASM
66:6	25-2530	1	Pin-Straight, Headless
66:7	237-95	1	O-Ring

Ref. No.	Part No.	Qty.	Description

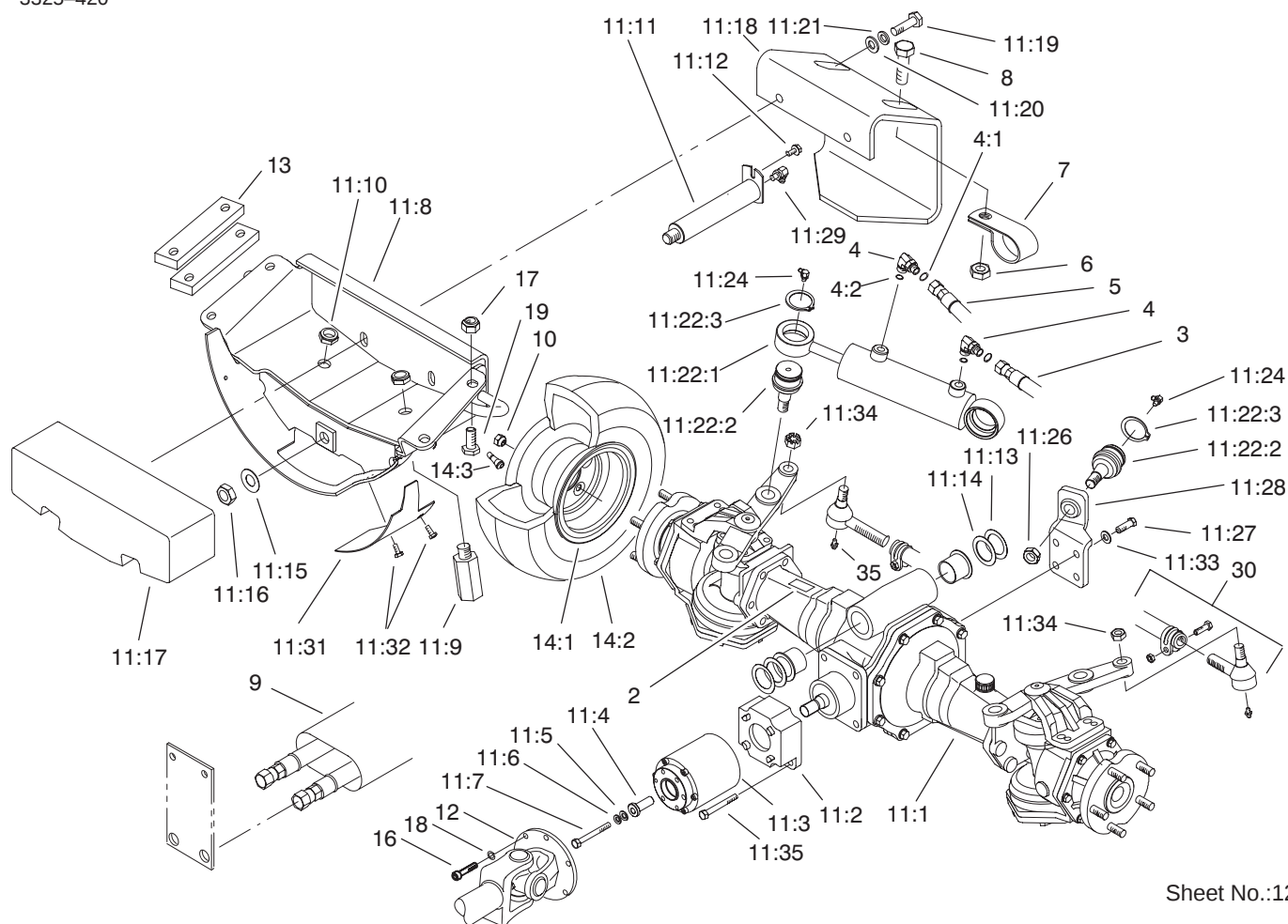


Sheet No.:12

4 Wheel Drive Rear Axle Assembly(only on: 30627)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
2	70-2560	1	Decal-Oil	11:1399	8431	1	Washer-,Thrust
3	99-2407	1	Hose ASM	11:14	99-8432	1	Washer-Thrust
4	340-97	2	Fitting-HYD, 90	11:15	71-4540	1	Washer-Thrust
4:1	237-22	1	O-Ring	11:16	32146-20	1	Nut-Jam
4:2	237-78	1	O-Ring	11:17	98-3869-01	1	Weight-Rear
5	99-2408	1	Hose ASM	11:18	98-3880-03	1	Bumper
6	32128-20	1	Nut-HF	11:19	325-7	2	Screw-HH
7	2412-74	1	R-Clamp	11:20	3256-26	2	Washer-Flat
8	3234-17	1	Screw-HHF	11:21	3253-7	2	Washer-Lock
9	56-7985	1	Sleeve-Protective	11:22		1	Steering Cylinder ASM
10	93-5268	10	Nut-Lug	11:22:1	99-2415	1	Cylinder - HYD
☆11		1	Rear Axle ASM-4wd	11:22:2	92-5838-01	2	Joint-Ball
11:1	95-7501	1	Rear Axle ASM	11:22:3	32151-104	2	Ring-Retaining, Ext
11:2	98-3860-03	1	Adaptor-Clutch Locator	11:24	302-11	2	Fitting-Lube, 45
11:3	95-6296	1	Clutch - Bidirectional	11:26	3220-6	4	Nut-Jam
11:4	99-8436	1	Spacer	11:27	95-8812	4	Screw-HH
11:5	33094-00	1	Washer-Flat	11:28	98-3862-03	1	Bracket-Support, Cylinder
11:6	3253-4	1	Washer-Lock	11:29	302-33	1	Fitting-Grease
11:7	33114-070	1	Screw-HH	11:30	98-3871-03	1	Tie Rod ASM
11:8	100-6570-01	1	Axle Support ASM	11:31	99-2413-01	1	Cover - Guard, Flywheel
11:9	98-3863	2	Stop - Oscillation	11:32	32144-10	2	Screw-HWH
11:10	3296-15	2	Nut-Lock NI	11:33	48-9220	4	Washer
11:11	99-8434-03	1	Rear Axle Pin ASM	11:34	3220-11	4	Nut-,Jam
11:12	32144-14	1	Screw-HWH	11:35	87-3700	2	Screw

☆ Not serviced



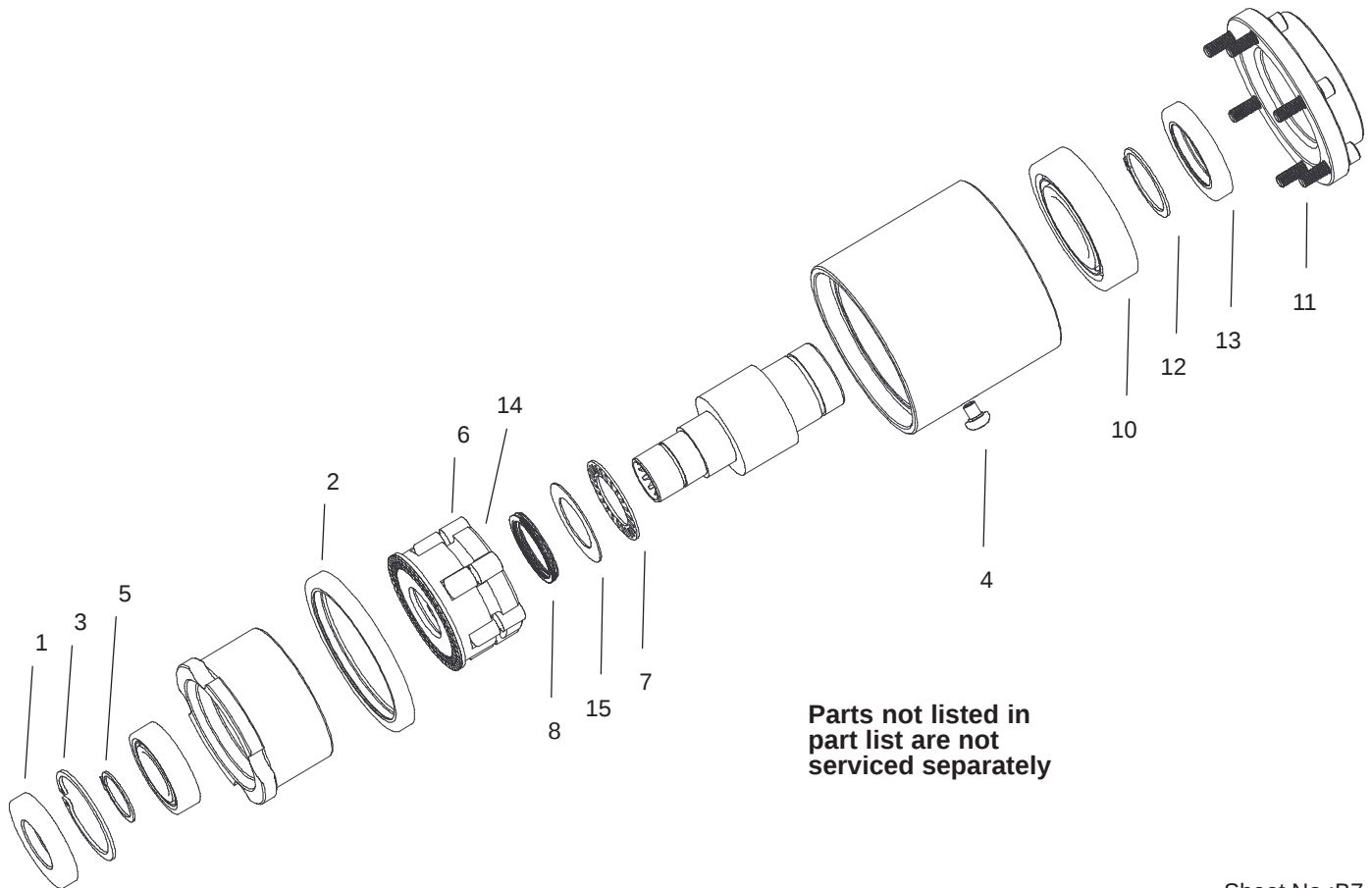
Sheet No.:12

4 Wheel Drive Rear Axle Assembly (Continued) (only on: 30627)

Ref. No.	Part No.	Qty.	Description
12	98-5009	1	Driveshaft ASM
13	105-0073-01	4	Spacer-Frame
☆14		2	Tire & Wheel ASM
14:1	99-2410	1	Rim
14:2	231-122	1	Tire
14:3	232-31	1	Stem-Valve
16	3274-8	12	Screw-HSH
17	32128-23	4	Nut-HF
18	3253-3	12	Washer-Lock
19	3234-46	4	Screw-HHF

Ref. No.	Part No.	Qty.	Description

☆ Not serviced



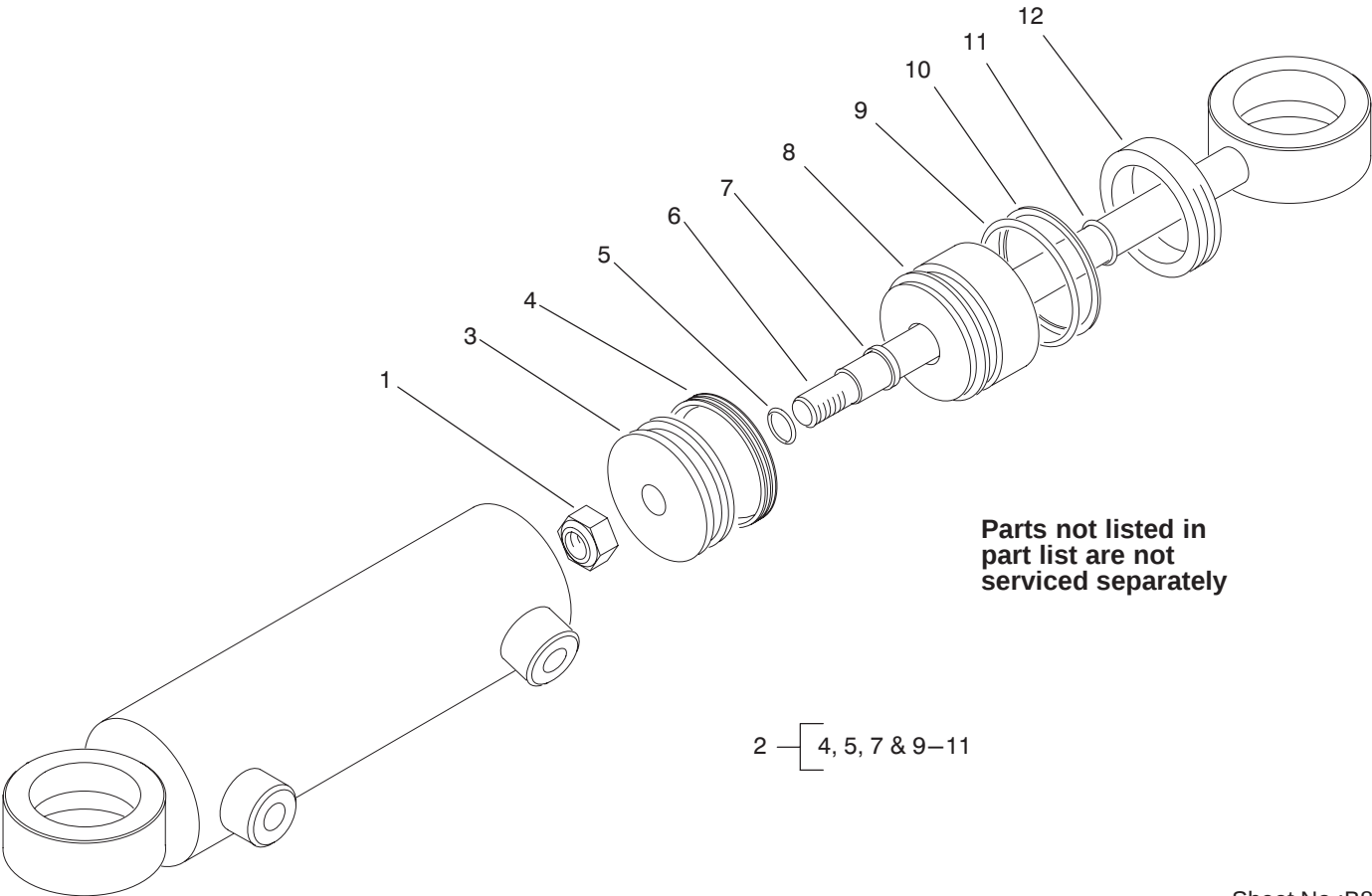
Sheet No.:B7

T-3802

Bi-Directional Clutch Assembly No. 95-6296 (only on: 30627)

Ref. No.	Part No.	Qty.	Description
1	100-6589	1	Seal-Oil (only on: 30627)
2	100-6593	1	Seal-Oil (only on: 30627)
3	100-6594	1	Ring-Snap, Internal (only on: 30627)
4	100-6596	1	Screw-PPH, W/O-Ring (only on: 30627)
5	100-6597	1	Ring-Snap, External (only on: 30627)
6	93-8925	6	Roller (only on: 30627)
7	93-8919	1	Bearing – Thrust Needle (only on: 30627)
8	93-8923	1	Spring – Wave (only on: 30627)
9	99-2902	1	Bearing-Ball Ex (only on: 30627)
10	92-9705	1	Bearing (only on: 30627)
11	3245-6	6	Screw-HSH (only on: 30627)

Ref. No.	Part No.	Qty.	Description
12	32120-84	1	Ring-Snap, External (only on: 30627)
13	71-6790	1	Seal-Oil (only on: 30627)
14	100-2568	1	Roll Cage ASM (only on: 30627)
15	93-8929	1	Washer – Thrust (only on: 30627)

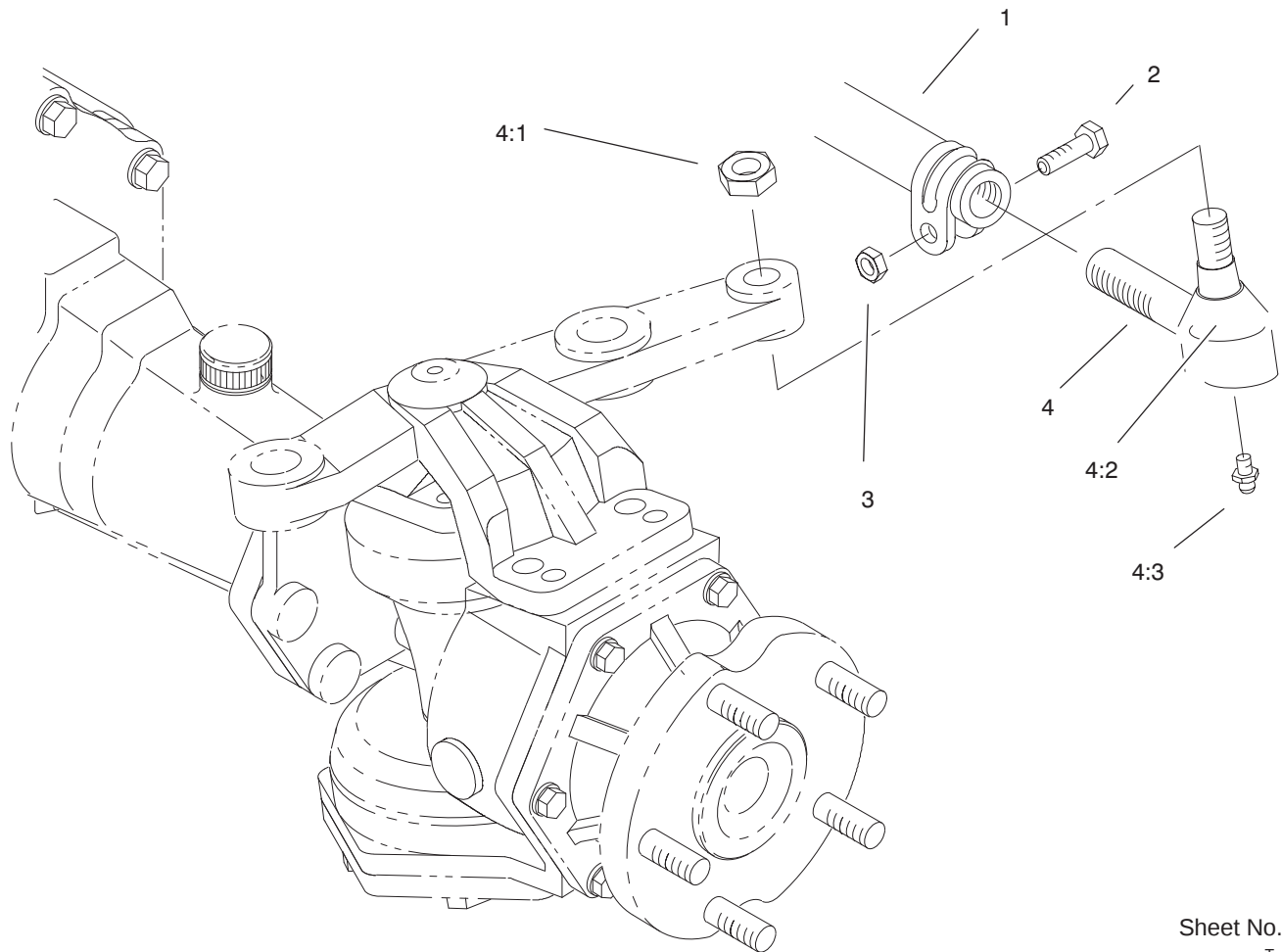


Sheet No.:B8
T-3111

Cylinder Assembly No. 99-2415 (only on: 30627)

Ref. No.	Part No.	Qty.	Description
1	32152-10	1	Locknut-Deform, Top (only on: 30627)
2	86-5390	1	Kit-Seal Repair, 2" Cylinder (only on: 30627)

Ref. No.	Part No.	Qty.	Description



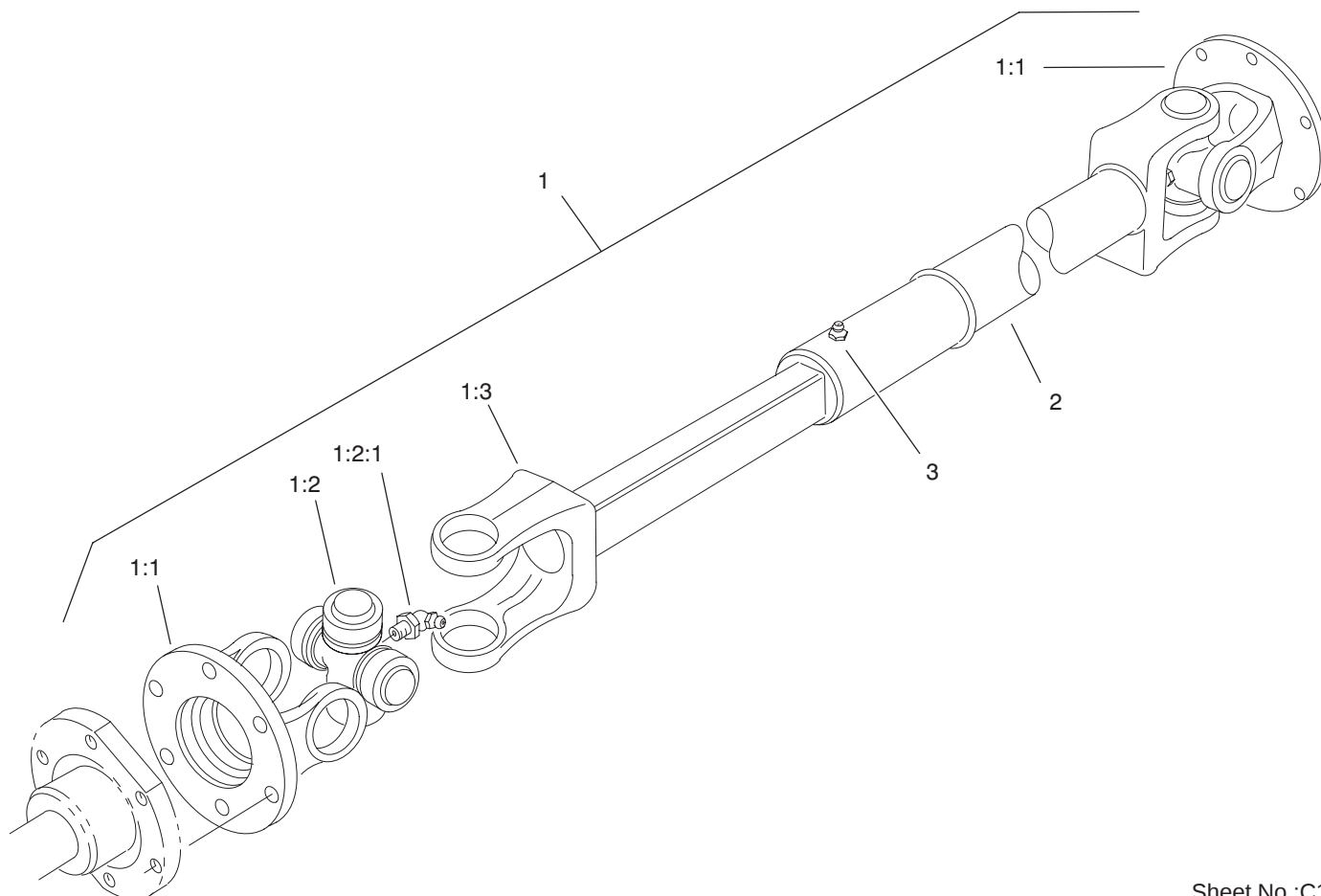
Sheet No.:B9

T-3803

Tie Rod Assembly No. 98-3871-03 (only on: 30627)

Ref. No.	Part No.	Qty.	Description
1	99-2412	1	Rod & Clamp ASM (only on: 30627)
2	323-9	2	Screw-HH (only on: 30627)
3	3296-39	2	Nut-Lock, NI (only on: 30627)
4	71-4740	2	End-Tie Rod (only on: 30627)
4:1	32136-13	1	Nut-Hex, Slotted (only on: 30627)
4:2	71-4760	1	Seal (only on: 30627)
4:3	302-55	1	Zerk (only on: 30627)

Ref. No.	Part No.	Qty.	Description



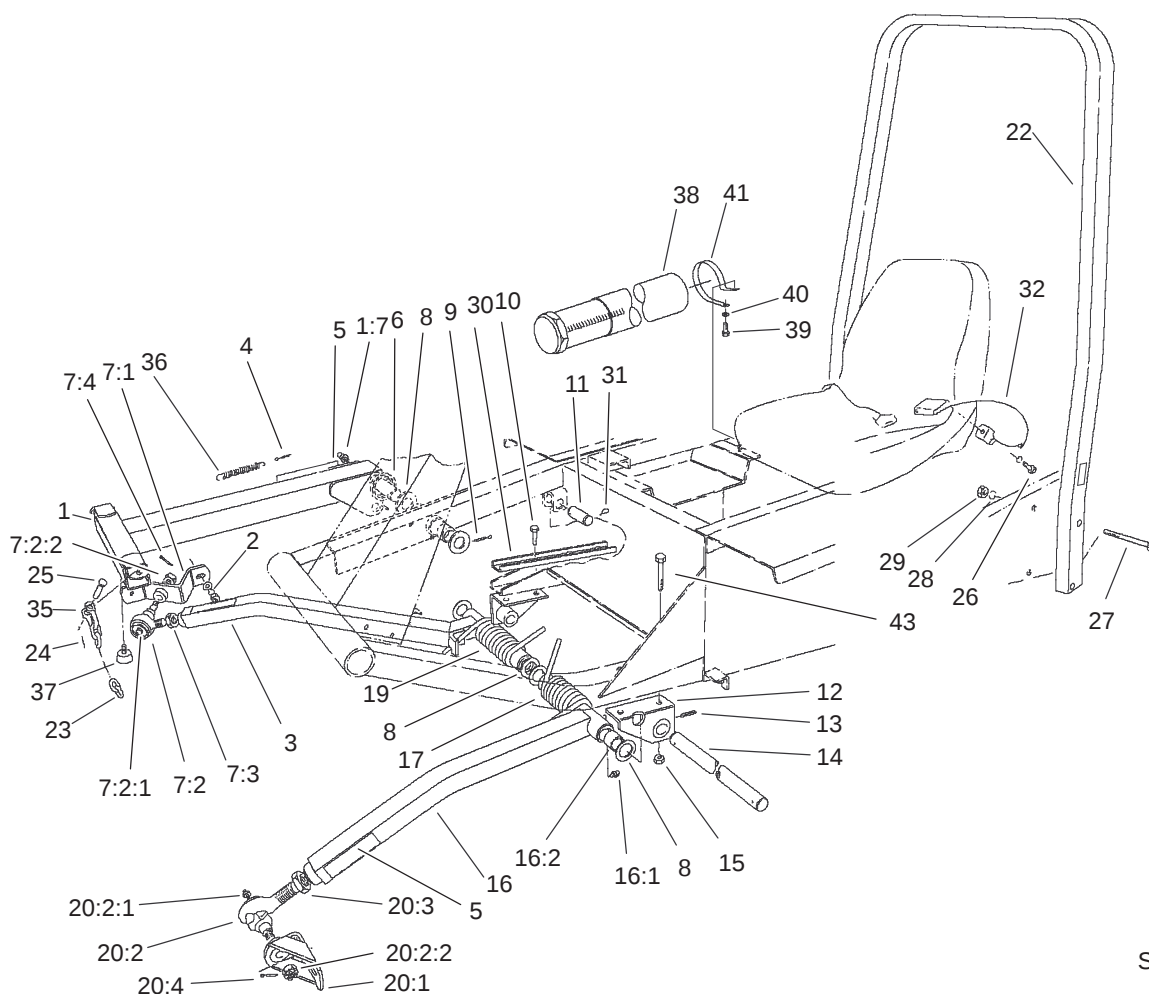
Sheet No.:C1

T-3804

Driveshaft Assembly No. 98-5009 (only on: 30627)

Ref. No.	Part No.	Qty.	Description
1	92-5096	1	Joint & Shaft ASM (only on: 30627)
1:1	72-3410	1	Yoke – Flange (only on: 30627)
1:2	54-9180	1	U-Joint Kit (only on: 30627)
1:2:1	62-3820	1	Fitting-Grease (only on: 30627)
1:3	72-3420	1	Shaft-Yoke, Slip (only on: 30627)
2	72-3431	1	Tube – Slip Yoke (only on: 30627)
3	302-58	1	Fitting-Grease (only on: 30627)

Ref. No.	Part No.	Qty.	Description

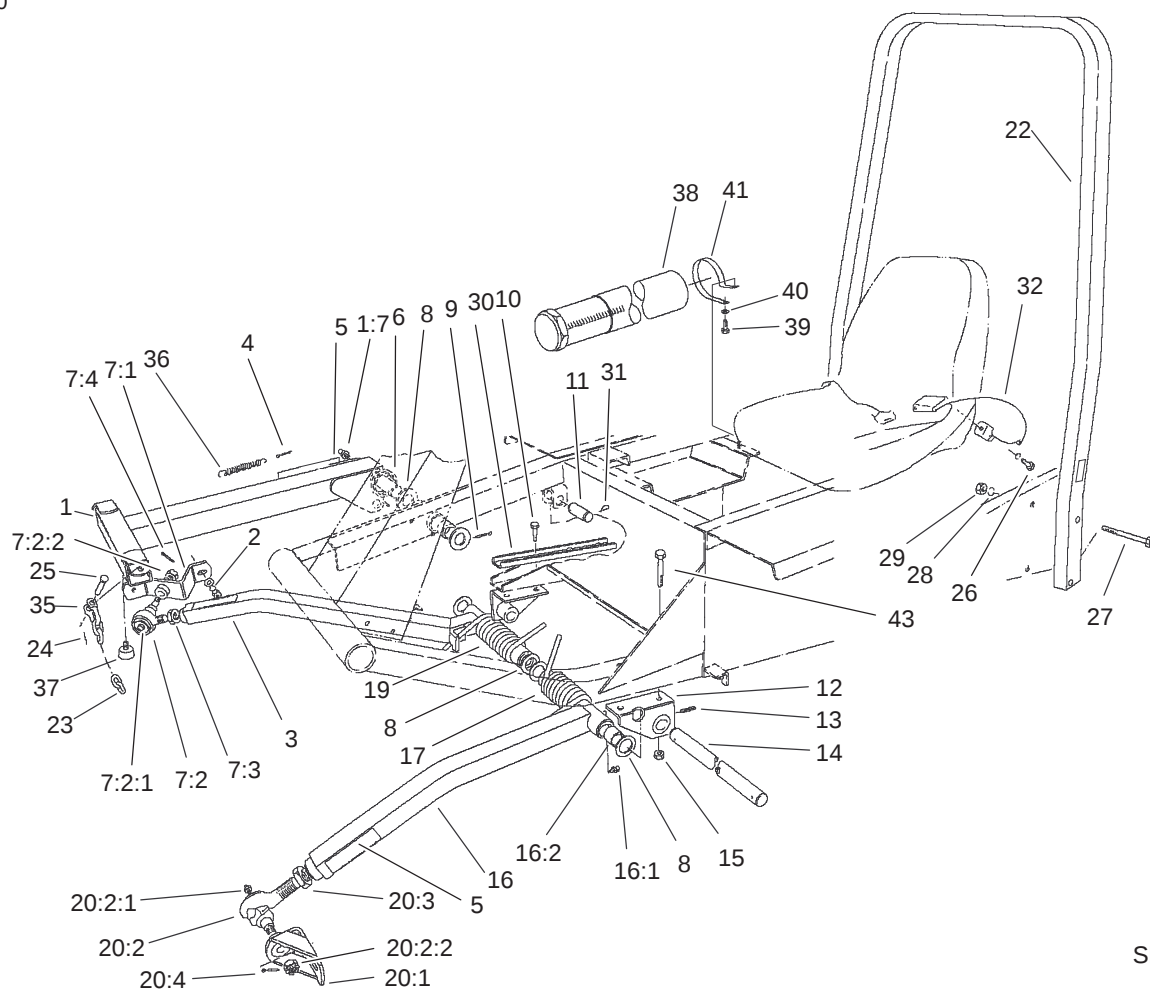


Sheet No.:13

Push Arm and ROPS Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	66-6370	1	Arm-Lift	15	32128-42	4	Nut-HF
1:7	302-5	1	Fitting-Grease	16	21-2960	1	Push Arm-LH
*1:8	3290-472	1	Insert-Threaded	16:1	302-33	1	Fitting-Grease
2	3253-6	2	Washer-Lock	16:2	256-126	2	Bushing
3	66-7150	1	Push Arm-RH	17	21-2900-01	1	Spring-LH
*3:1	302-33	1	Fitting-Grease	19	21-2890-01	1	Spring-RH
*3:2	256-126	2	Bushing	20	18-2879-01	1	LH Ball Joint ASM
4	3272-24	1	Pin-Cotter	20:1	21-3050-01	1	Mount-Ball Joint, LH
5	55-4300	3	Decal-Warning	20:2	86-8100	1	Joint-Ball
6	46-8840-01	1	Spring-Lift Arm	20:2:1	302-5	1	Fitting-Grease
7	18-2869-01	1	RH Ball Joint ASM	20:2:2	32136-2	1	Nut-SHH
7:1	21-3020-01	1	Mount-Ball Joint, RH	20:3	21-3000	1	Nut-HJ, Push Arm
7:2	86-8100-01	1	Joint-Ball	20:4	3272-11	1	Pin-Cotter
7:2:1	302-5	1	Fitting-Grease	22	99-1299-03	1	Rops - 2 Post (only on: 30627)
7:2:2	32136-2	1	Nut-SHH	23	3-1365	3	Chain
7:3	21-3000	1	Nut-HJ, Push Arm	24	3272-10	6	Pin-Cotter
7:4	3272-11	1	Pin-Cotter	25	283-10	6	Clevis
8	5-1754	6	Washer-Pulley, Countershaft	26	3212-4	2	Screw-HH (only on: 30627)
9	3272-33	1	Pin-Cotter	27	328-12	4	Screw-HH (only on: 30627)
10	324-4	2	Screw-HH	28	3253-9	4	Washer-Lock/Sp (only on: 30627)
11	3-7292	1	Pin	29	3217-12	4	Nut-Hex (only on: 30627)
12	21-2860-01	2	Bracket-Push Arm				
13	32121-84	2	Pin-Coil				
14	21-2990	1	Shaft-Pivot				

* Not illustrated



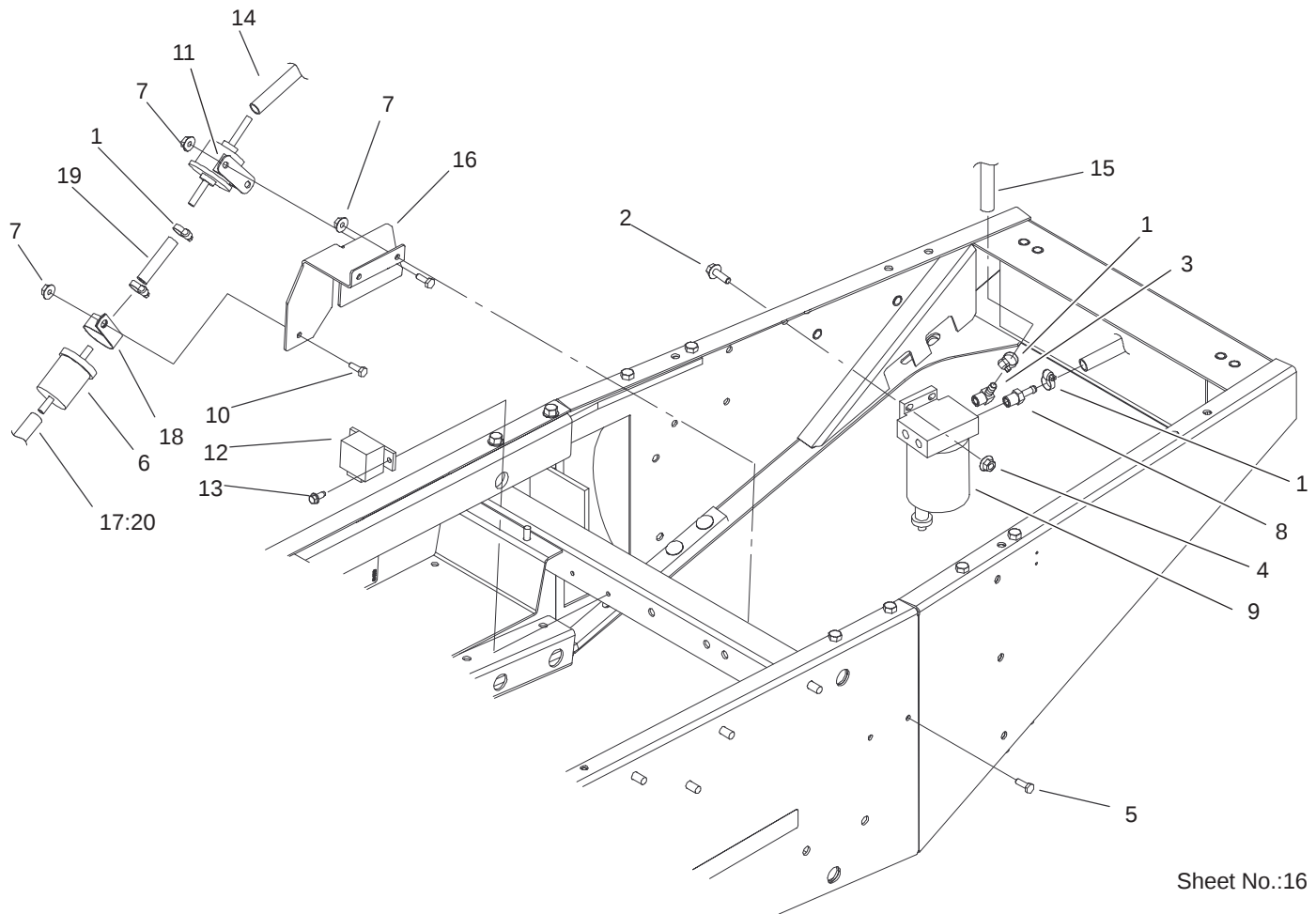
Sheet No.:13

Push Arm and ROPS Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
30	23-1950-01	1	Support -Reinforcement
31	5-3126	3	Pin-Spring
32	72-9390	1	Belt-Seat (only on: 30627)
*34	24-9510	1	Pin
35	5-2942	6	Shackle
36	21-1830	1	Spring - PTO Tension
37	68-3270	1	Bumper-Rubber
38	74-0720	1	Tube-Manual
39	322-2	2	Screw-HH
40	3256-23	2	Washer-Flat
41	2412-133	2	R-Clamp
43	324-12	2	Screw-HH

Ref. No.	Part No.	Qty.	Description

* Not illustrated

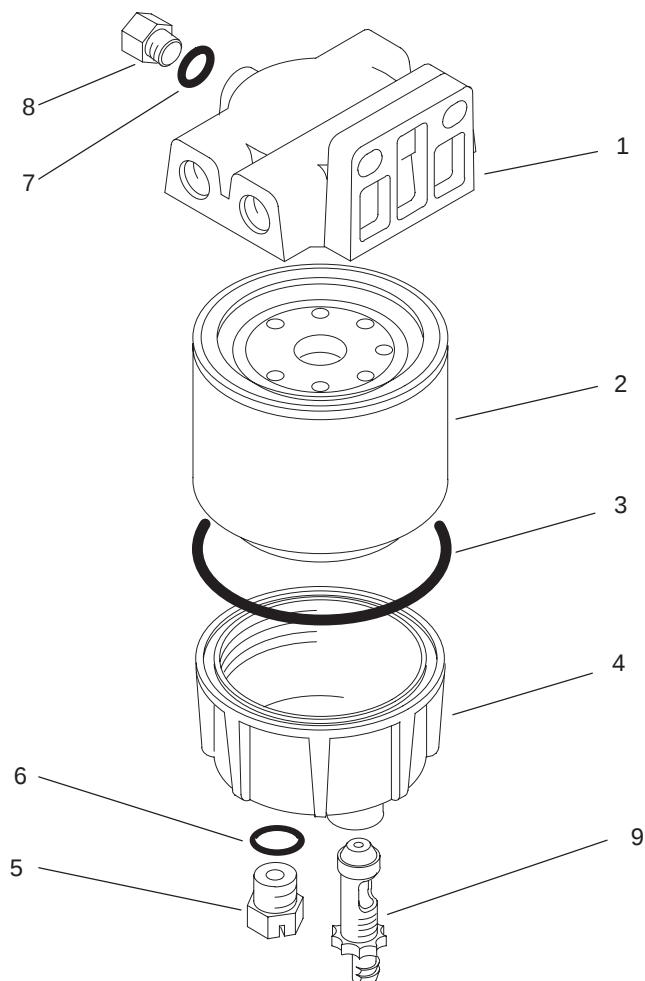


Sheet No.:16

Water and Fuel Filter Assembly

Ref. No.	Part No.	Qty.	Description
1	2412-108	6	Clamp-Worm
2	3234-29	2	Screw-HHF
3	353-781	1	Fitting
4	32128-20	2	Nut-HF
5	321-4	2	Screw-HH
6	98-7612	1	Filter-Fuel
7	32128-33	5	Nut-HF
8	353-783	1	Fitting-Pump
9	98-9305	1	Filter-Water/Fuel
10	321-4	5	Screw-HH
11	104-5215	1	Pump-Fuel, Electric
12	66-8800	1	Relay
14	99-9681	1	Hose-Fuel
15	63-9640	1	Hose
16	105-2561-03	1	Bracket-Fuel Pump
18	2412-147	1	Clamp
19	105-2599	1	Hose-Fuel

Ref. No.	Part No.	Qty.	Description

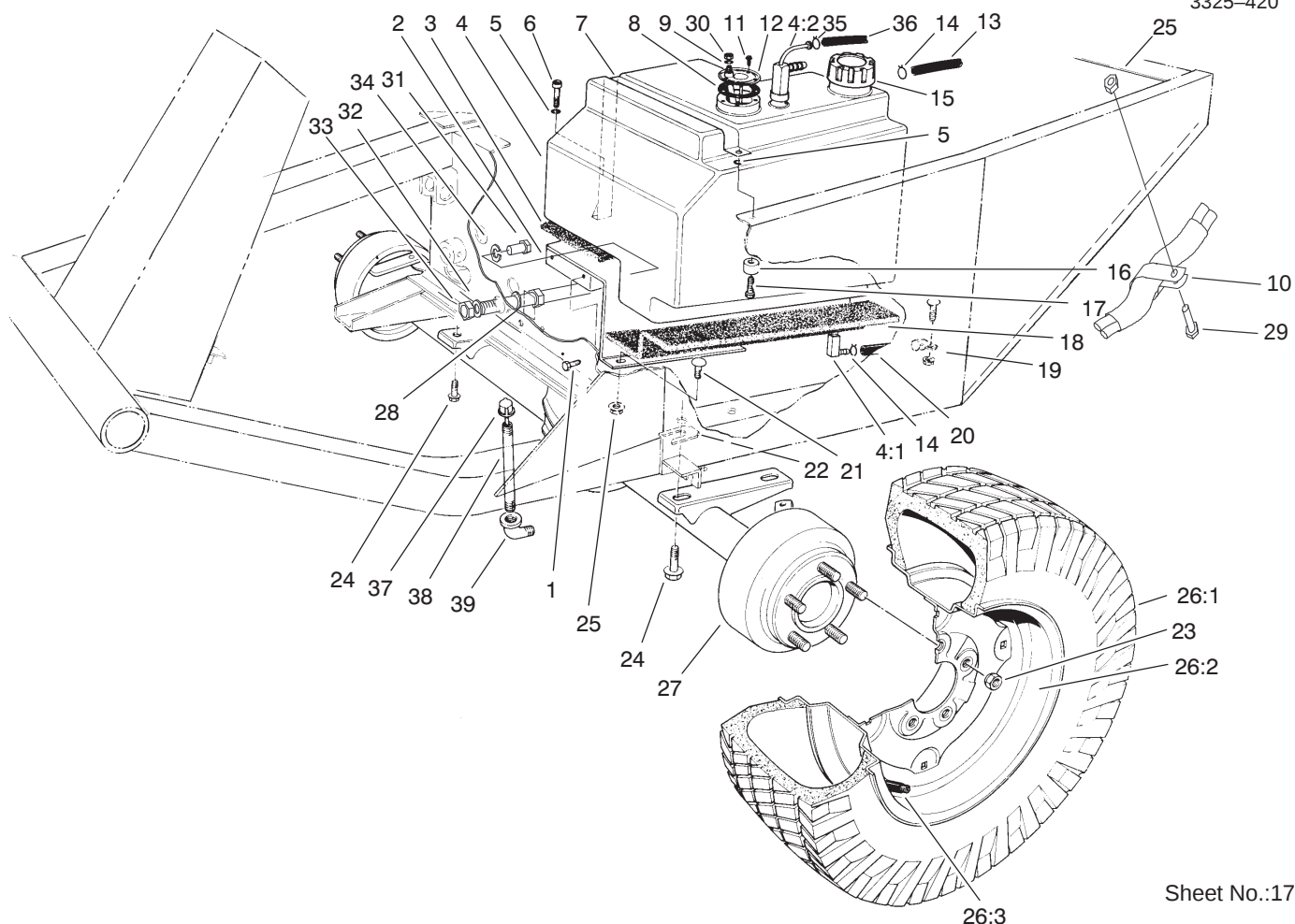


Sheet No.:B3
T-3330

Water and Fuel Filter No. 98-9305

Ref. No.	Part No.	Qty.	Description
1	98-9772	1	Head-Filter
2	98-9764	1	Element-Spin On
3	98-9774	1	O-Ring-Base, Filter
4	98-9775	1	Base-Filter
5	98-9773	1	Plug-Base, Filter
6	237-42	1	O-Ring
7	237-78	1	O-Ring
8	98-9776	1	Plug-Filter, Head
9	98-9777	1	Drain Valve ASM

Ref. No.	Part No.	Qty.	Description



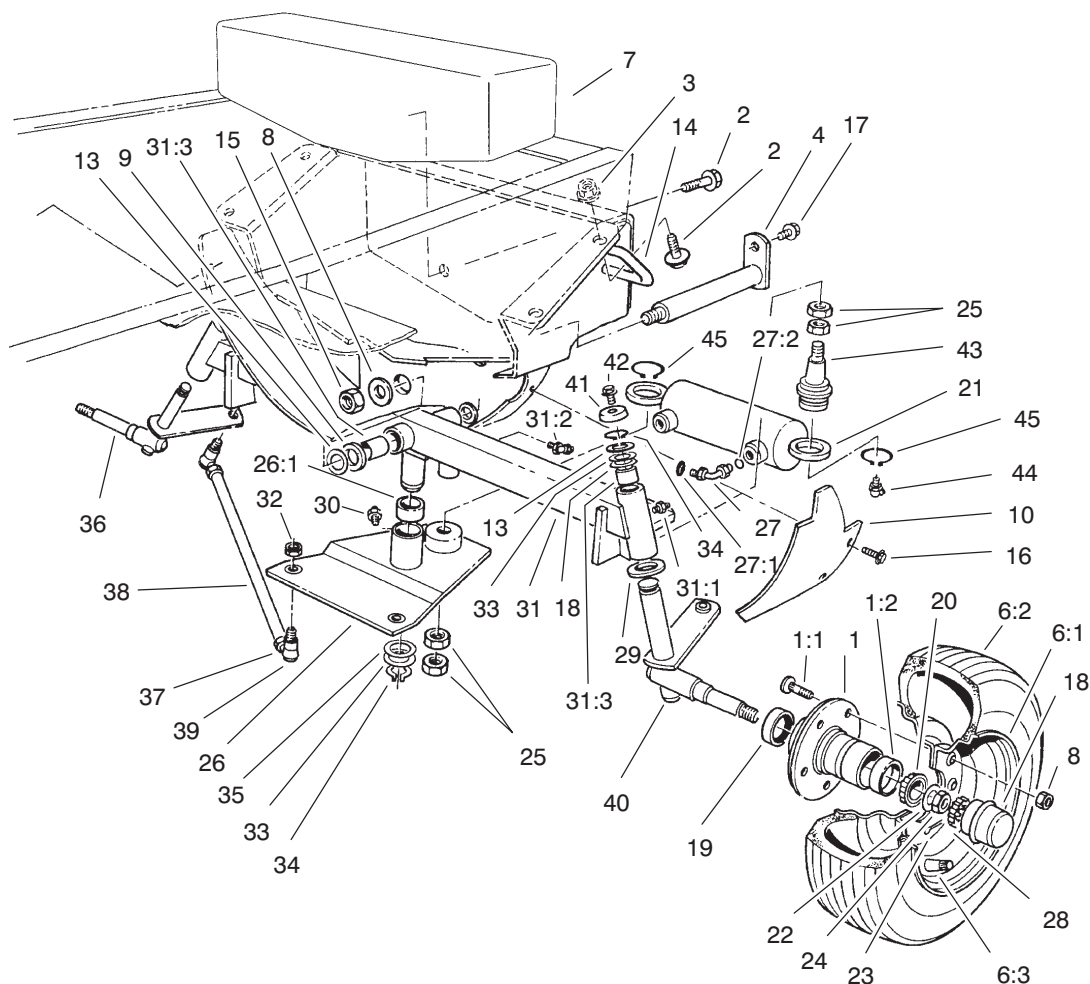
Sheet No.:17

Fuel Tank and Front Axle Assembly

Ref. No.	Part No.	Qty.	Description
1	3234-11	2	Screw-HHF
2	68-9760	1	Base-Fuel Tank
3	21-3600	1	Foam-Support, Tank
4	43-4150	1	Fuel Tank ASM
4:1	43-4190	1	Fitting ASM
4:2	43-4160	1	Fitting-Return & Vent
5	3253-3	2	Washer-Lock
6	32104-96	1	Screw-HH
7	37-9550	1	Strap-Gas Tank
8	62-7650	1	Gasket
9	3253-17	1	Washer-Lock/Sp
10	2412-74	1	R-Clamp (only on: 30627)
10	2412-126	1	R-Clamp (only on: 30626)
11	32144-53	5	Screw-SHWH
12	105-2563	1	Sender-Fuel
13	104-0076	1	Hose-Fuel
14	2412-6	2	Clamp-Hose
15	55-3572	1	Gas Cap ASM
16	22-7810	1	Spacer
17	321-6	1	Screw-HH
18	21-3610	1	Foam-Support, Tank
19	2412-4	1	Clamp
20	63-9640	1	Hose
21	3230-2	3	Screw-CARR

Ref. No.	Part No.	Qty.	Description
22	42-6080	1	Shim-Axle
23	23-7270	10	Nut-Wheel
24	32144-67	4	Screw
25	32128-20	2	Nut-HF (only on: 30627)
25	32128-20	3	Nut-HF (only on: 30626)
★26		2	Tire ASM
26:1	95-3348	1	Tire
26:2	217-117	1	Wheel ASM
26:3	232-27	1	Stem-Valve
27	86-9630-03	1	Axle ASM (only on: 30627)
27	86-9600-03	1	Axle ASM (only on: 30626)
28	24-9830-01	1	Support-Axle
29	322-6	1	Screw-HH (only on: 30626)
29	32144-14	1	Screw-HWH (only on: 30627)
30	3219-14	1	Nut-Hex
31	323-6	1	Screw-HH
32	3256-6	2	Washer-Flat
33	3217-9	2	Nut-HH
34	3253-21	1	Washer-Lock
35	2412-79	2	Clamp-Hose

★ Not serviced

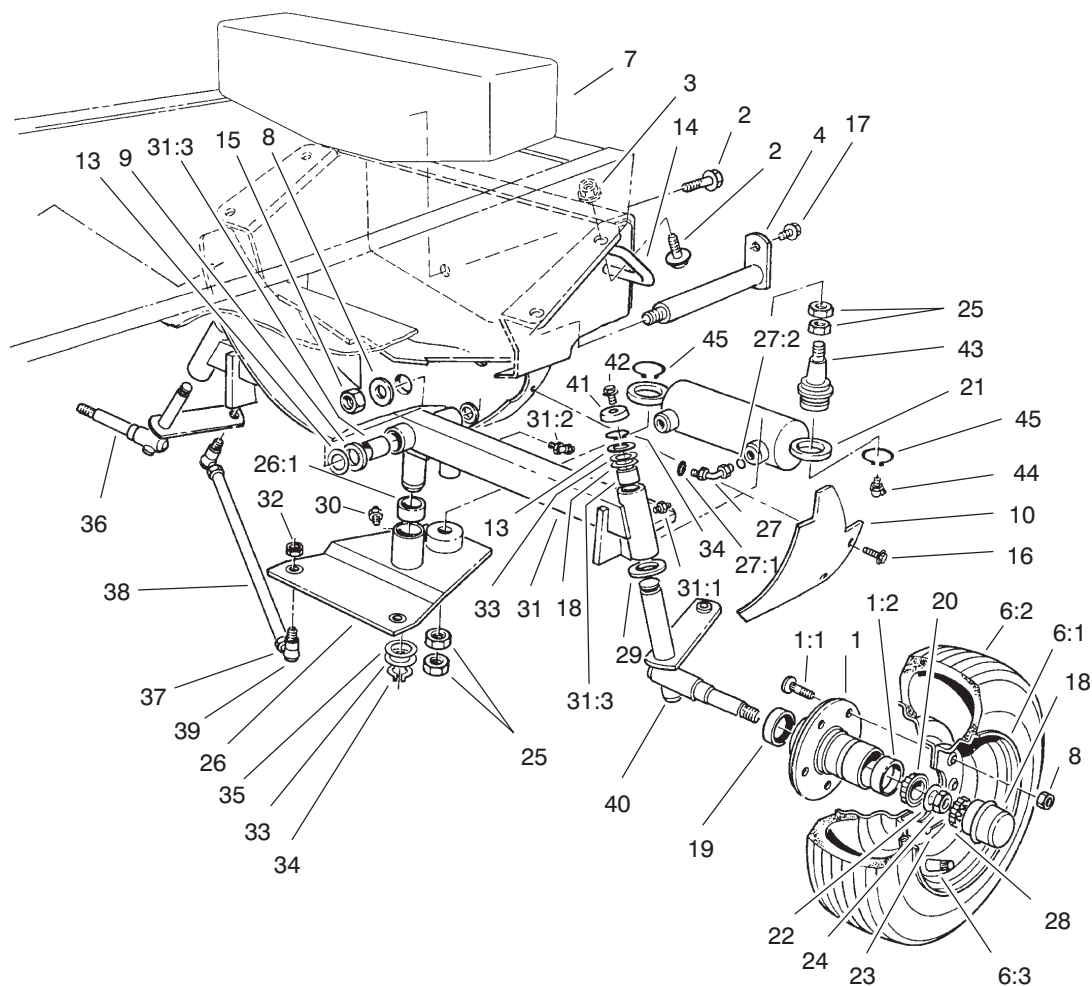


Sheet No.:18

2 Wheel Drive Rear Axle Assembly (Only on: 30626)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	21-2820	1	Hub ASM	21	92-7828	1	Cylinder -, HYD
1:1	10-6830	5	Stud-Type, Drive	22	93-0309	2	Washer-Tab
1:2	254-72	2	Bearing-Taper, Cup	23	3272-13	2	Pin-Cotter
2	3234-46	6	Screw-HHF	24	3220-7	2	Nut-Jam
3	32128-23	4	Nut-HF	25	3220-6	4	Nut-Jam
4	92-7807-01	1	Pin-Rear Axle	26	92-7821	1	Pivot-Steering
5	71-4540	1	Washer-Thrust	26:1	256-242	2	Bushing
☆6		2	Tire & Wheel ASM	27	340-54	2	Elbow-45 Deg
6:1	217-106	1	Wheel ASM	27:1	237-22	1	O-Ring
6:2	231-105	1	Tire	27:2	237-78	1	O-Ring
6:3	232-31	1	Stem-Valve	28	93-0307	2	Nut-Retainer, Lock
7	98-3869-01	1	Weight-Rear	29	256-121	2	Washer-Thrus
8	242-50	10	Nut-Lug	30	302-5	1	Fitting-Grease
9	92-7845	1	Spacer - Hardened	31	100-6566-03	1	Rear Axle ASM
10	99-2413-01	1	Cover - Guard, Flywheel	31:1	302-5	2	Fitting-Grease
11	56-7980	1	Protective Sleeve	31:2	302-11	1	Fitting-Lube, 45 Deg
12	68-9710	2	Rear Steering Hose	31:3	671750	6	Bushing
13	56-2460	1	Washer-Flat	32	3220-3	8	Nut-Jam
14	92-7803-01	1	Axle Support	33	5-1226	4	Washer
15	32146-20	1	Nut-Jam	34	32151-36	1	Ring-Retaining
16	32144-10	2	Screw-HWH	35	10-8110	3	Washer-Thrust
17	32144-14	1	Screw-HWH	36	93-3199	1	RH Spindle
18	241-119	1	Cap-Dust	*	3220-12	2	Nut-Jam, LH Thread
19	253-129	1	Seal	37	100-6566-03	1	Rear Axle ASM
20	254-94	2	Bearing-Taper, Cone	38	21-2000	2	Tie-Rod, Steering
				*	21-0151	1	LH Ball Joint ASM

☆ Not serviced



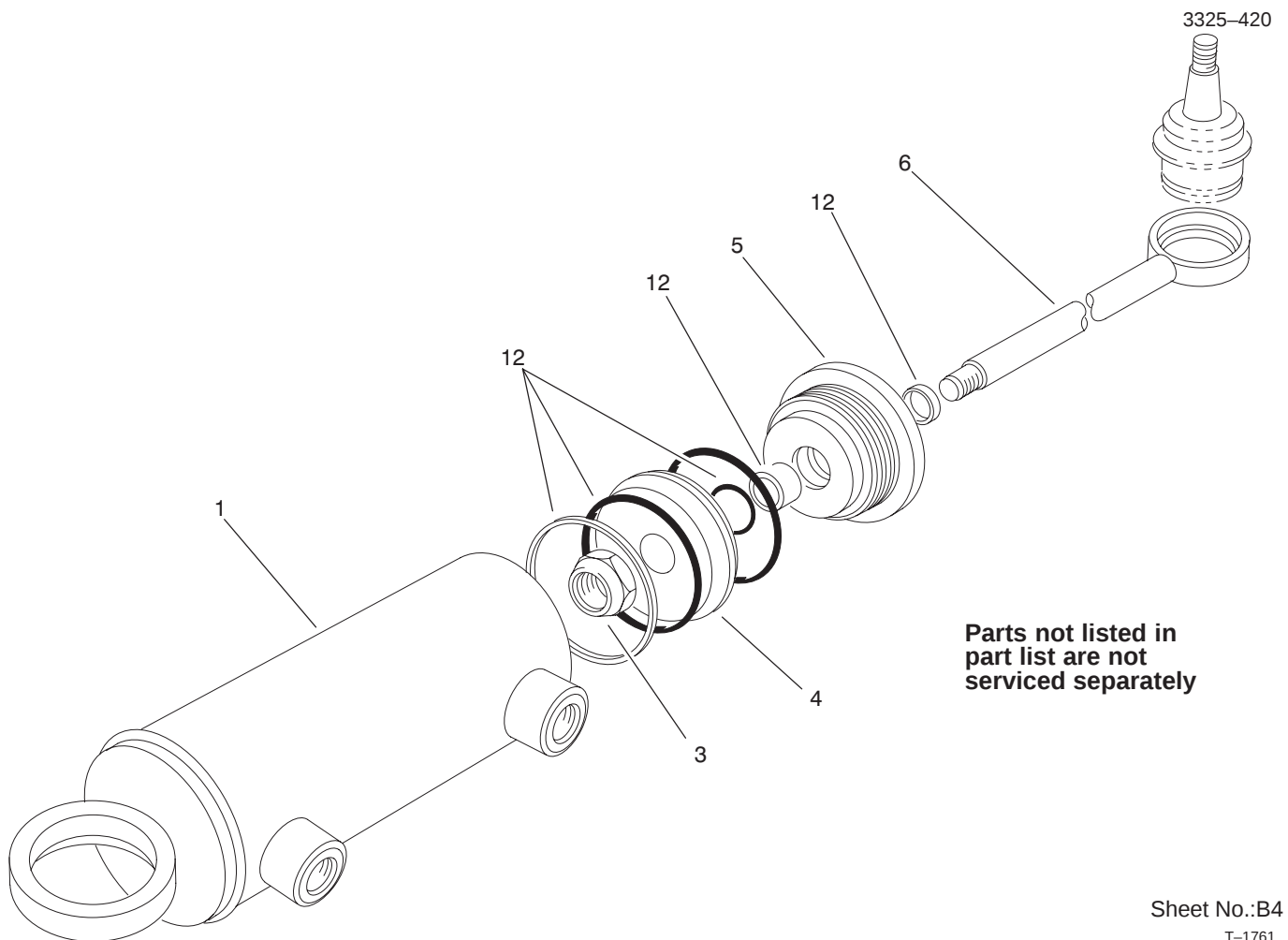
Sheet No.:18

2 Wheel Drive Rear Axle Assembly (Continued)

(Only on: 30626)

Ref. No.	Part No.	Qty.	Description
39	21-0141-03	1	RH Socket ASM
40	99-1292	1	LH Spindle
41	66-2990	2	Cap-Spindle
42	3234-13	2	Screw-HHF
43	92-5838-01	2	Joint-Ball
44	302-11	2	Fitting
45	32151-104	2	Ring-Retaing, External

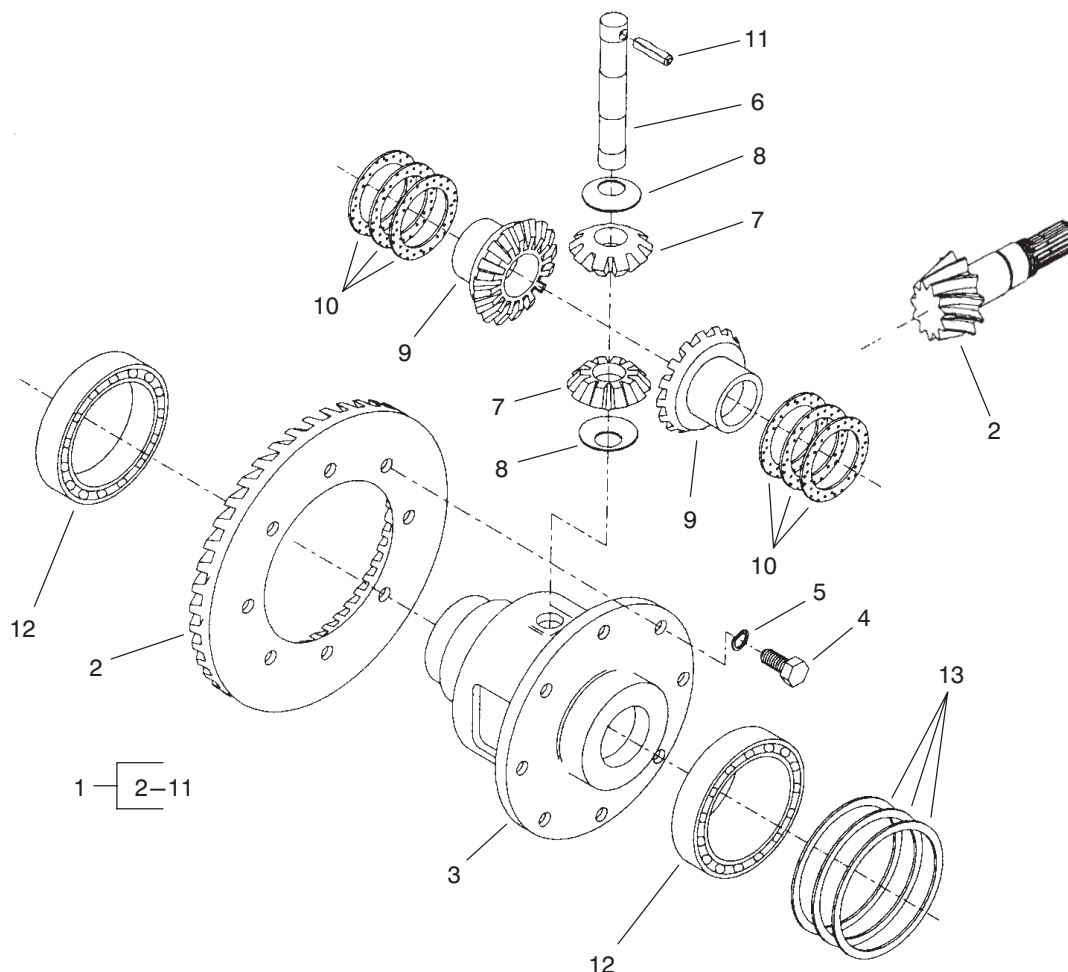
Ref. No.	Part No.	Qty.	Description



Hydraulic Cylinder Assembly No. 92-7828 (Only on: 30626)

Ref. No.	Part No.	Qty.	Description
3	66-1930	1	Locknut
4	66-1940	1	Piston
5	92-6588	1	Gland
12	92-6593	1	Kit-Packing

Ref. No.	Part No.	Qty.	Description

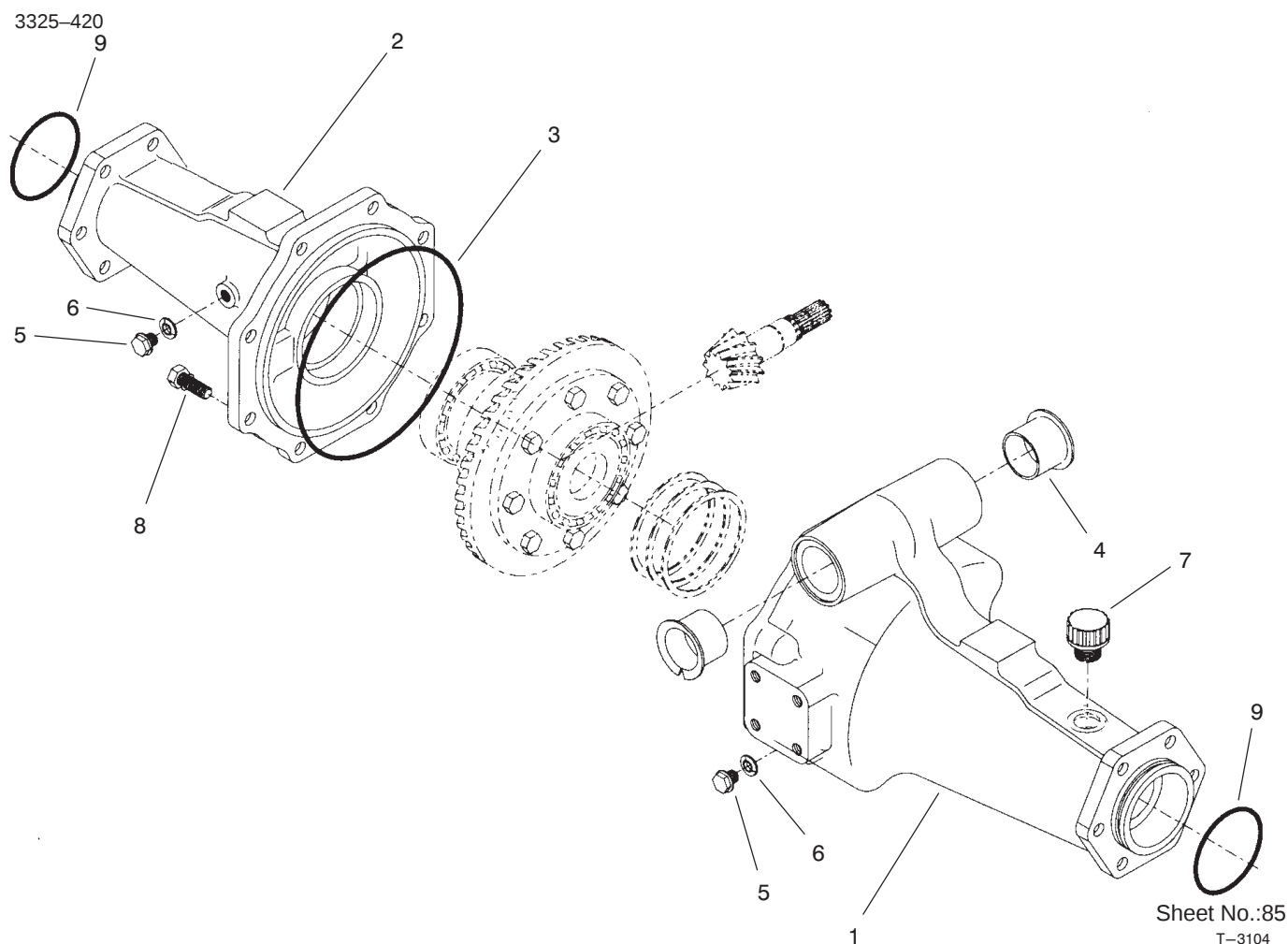


Sheet No.:84
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4 Wheel Drive Rear Axle Assembly No. 95-7501 (Continued) Differential Assembly (only on: 30627)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	95-7503	1	Differential ASM				
2	100-2555	1	Ring And Pinion Matched Set				
3	95-7502	1	Case-Differential				
4	99-7576	8	Bolt				
5	99-7577	8	Washer-Spring				
6	99-7578	1	Shaft-Differential				
7	99-7579	2	Pinion-Differential				
8	99-7580	2	Washer-Differential				
9	99-7581	2	Gear-Differential				
10	99-7582	2	Washer-Differential				
*10	99-7583	2	Washer-Differential				
*10	99-7584	2	Washer-Differential				
11	99-7588	1	Pin-Spring				
12	99-7562	2	Bearing-Ball				
13	99-7585	2	Shim 0.1				
*13	99-7586	2	Shim 0.2				
*13	99-7587	2	Shim 0.4				

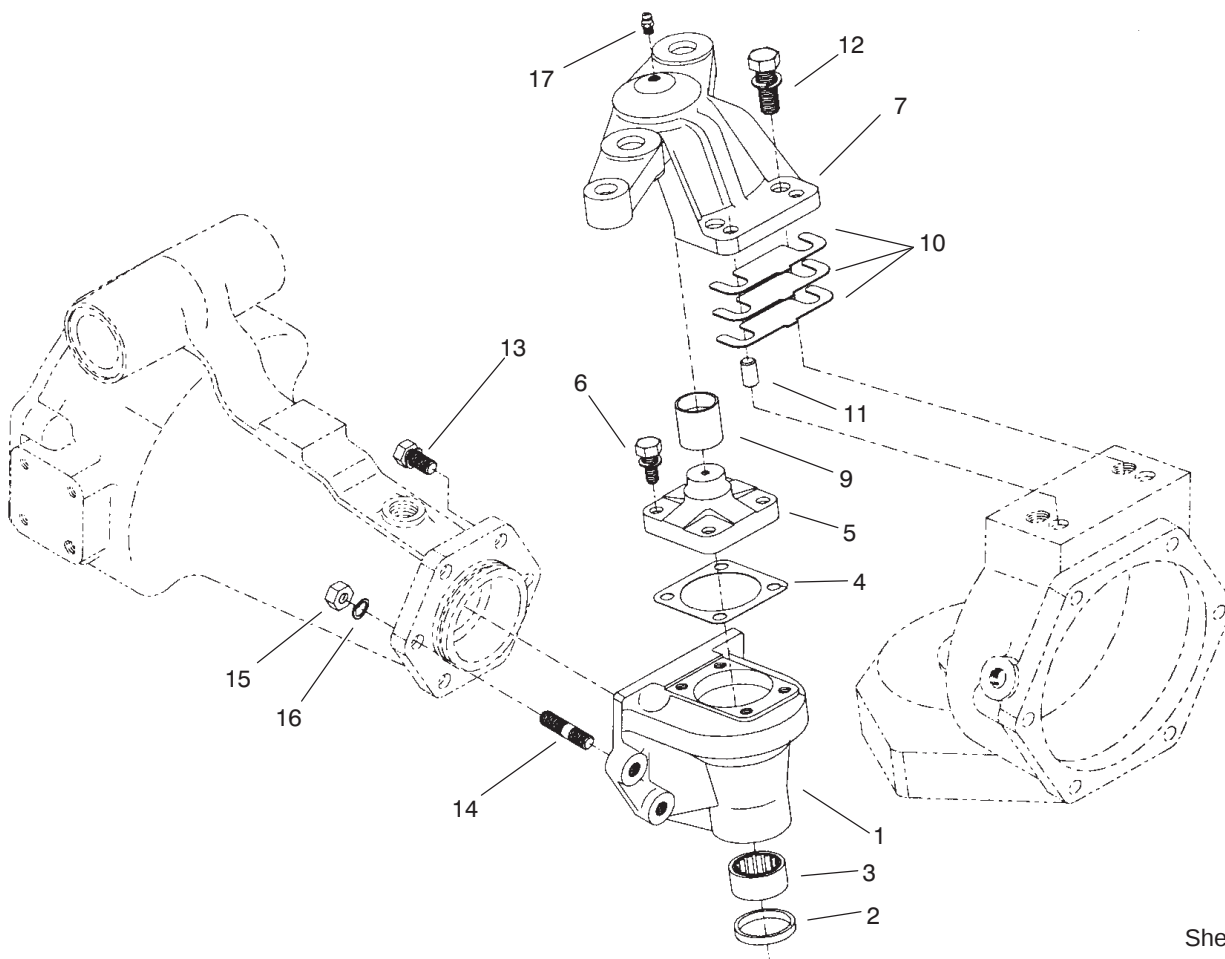
* Not illustrated



4 Wheel Drive Rear Axle Assembly No. 95-7501 (Continued) Axle Support Assembly (only on: 30627)

Ref. No.	Part No.	Qty.	Description
1	95-7508	1	Support-Axle
2	95-7506	1	Support-Axle
3	95-7507	1	O-Ring
4	95-7537	2	Bushing-Flanged
5	99-7589	2	Plug
6	99-7590	2	Washer-Seal
7	99-7591	1	Oil Plug ASM
8	99-7592	8	Bolt
9	99-7593	2	O-Ring

Ref. No.	Part No.	Qty.	Description



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T-3105

4 Wheel Drive Rear Axle Assembly No. 95-7501 (Continued) Bevel Gear Case Assembly (only on: 30627)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	95-7539	2	Case-Bevel Gear				
2	99-7594	2	Seal-Oil				
3	99-7595	2	Bearing-Needle				
4	95-7511	2	Gasket				
5	95-7510	2	Pin-Knuckle				
6	99-7596	8	Bolt				
7	95-7514	1	Support-Axle Case, RH				
*8	95-7516	1	Support-Axle Case, LH				
9	99-7529	2	Bushing				
10	95-7547	2	Shim 0.1				
*10	95-7548	2	Shim 0.2				
*10	95-7549	2	Shim 0.4				
11	99-7597	4	Pin-Dowel				
12	99-7598	4	Bolt				
13	99-7599	8	Bolt				
14	99-7525	4	Stud				
15	99-7526	4	Nut				
16	99-7527	4	Washer-Spring				
17	99-7528	2	Nipple-Grease				

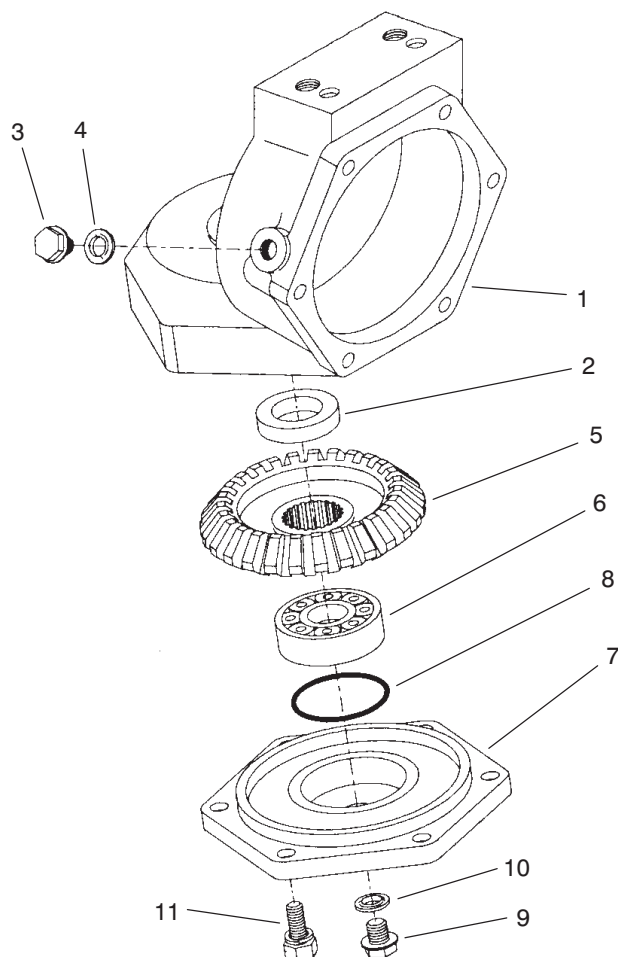
* Not illustrated

**4 Wheel Drive Rear Axle Assembly No. 95-7501
(Continued)
Bevel Gear Shaft Assembly (only on: 30627)**

Ref. No.	Part No.	Qty.	Description
1	95-7509	1	Shaft-Gear, Differential
2	95-7512	1	Shaft-Gear, Differential
3	95-7518	4	Gear-18 Bevel
4	99-7530	4	Bearing-Ball
5	99-7552	2	Shim 0.1
*5	99-7553	2	Shim 0.2
*5	99-7554	2	Shim 0.5
6	99-7531	2	Clip
7	95-7530	2	Shaft-Bevel Gear
8	99-7532	2	Bearing-Taper Roller
9	95-7543	2	Spacer
10	99-7533	2	Collar-Thrust
11	99-7558	2	Collar

Ref. No.	Part No.	Qty.	Description

* Not illustrated



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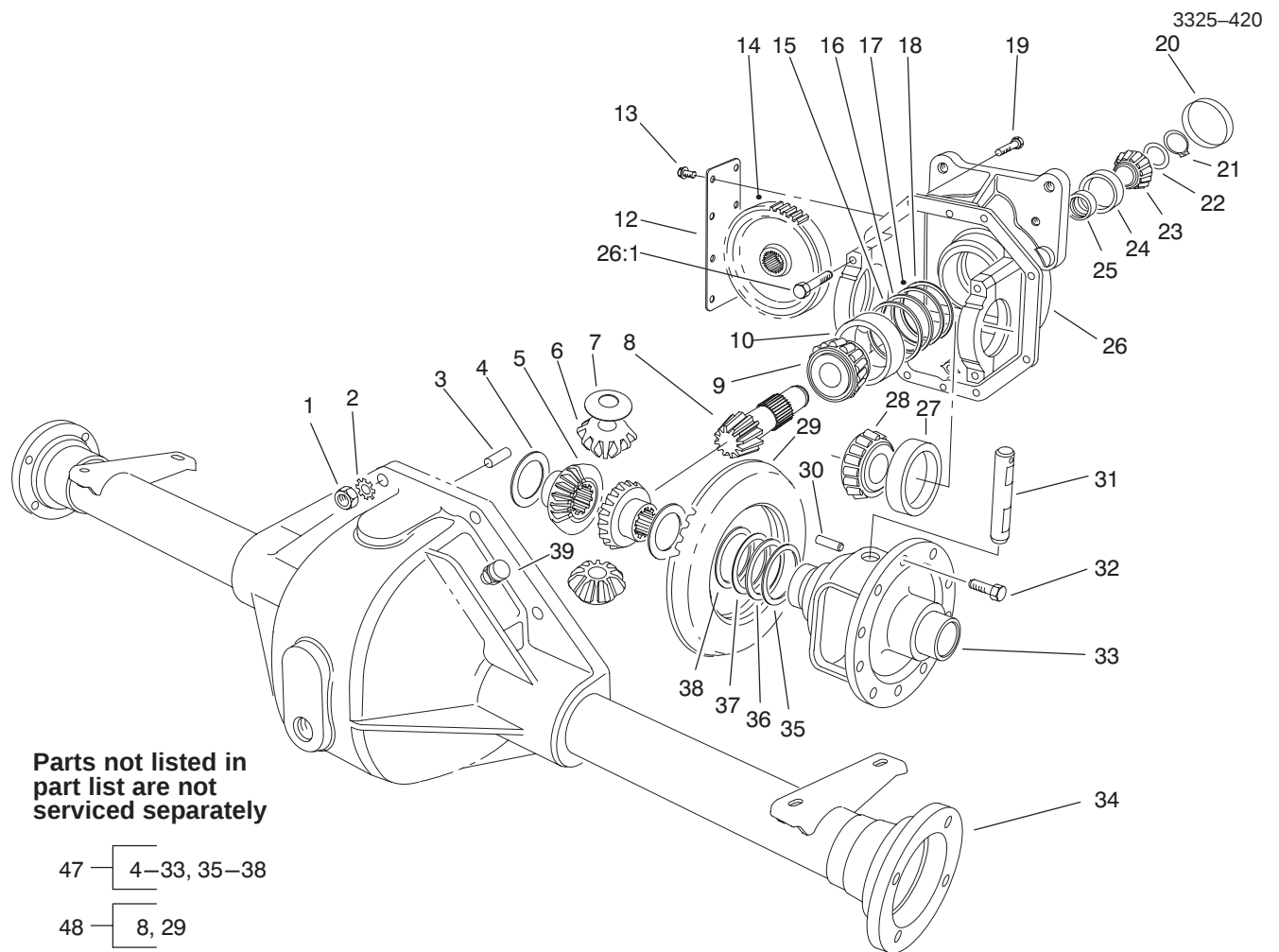
**4 Wheel Drive Rear Axle Assembly No. 95-7501
(Continued)
Axle Case Assembly (only on: 30627)**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	95-7532	2	Case-Axle				
2	99-7594	2	Seal-Oil				
3	99-7535	2	Plug				
4	99-7536	2	Washer-Seal				
5	95-7528	2	Gear-27 Bevel				
6	99-7532	2	Bearing-Taper Roller				
7	95-7526	2	Cover-Axle				
8	99-7537	2	O-Ring				
9	99-7589	2	Plug				
10	99-7590	2	Washer-Seal				
11	99-7596	12	Bolt				

4 Wheel Drive Rear Axle Assembly No. 95-7501 (Continued) Axle Assembly (only on: 30627)

Ref. No.	Part No.	Qty.	Description

48

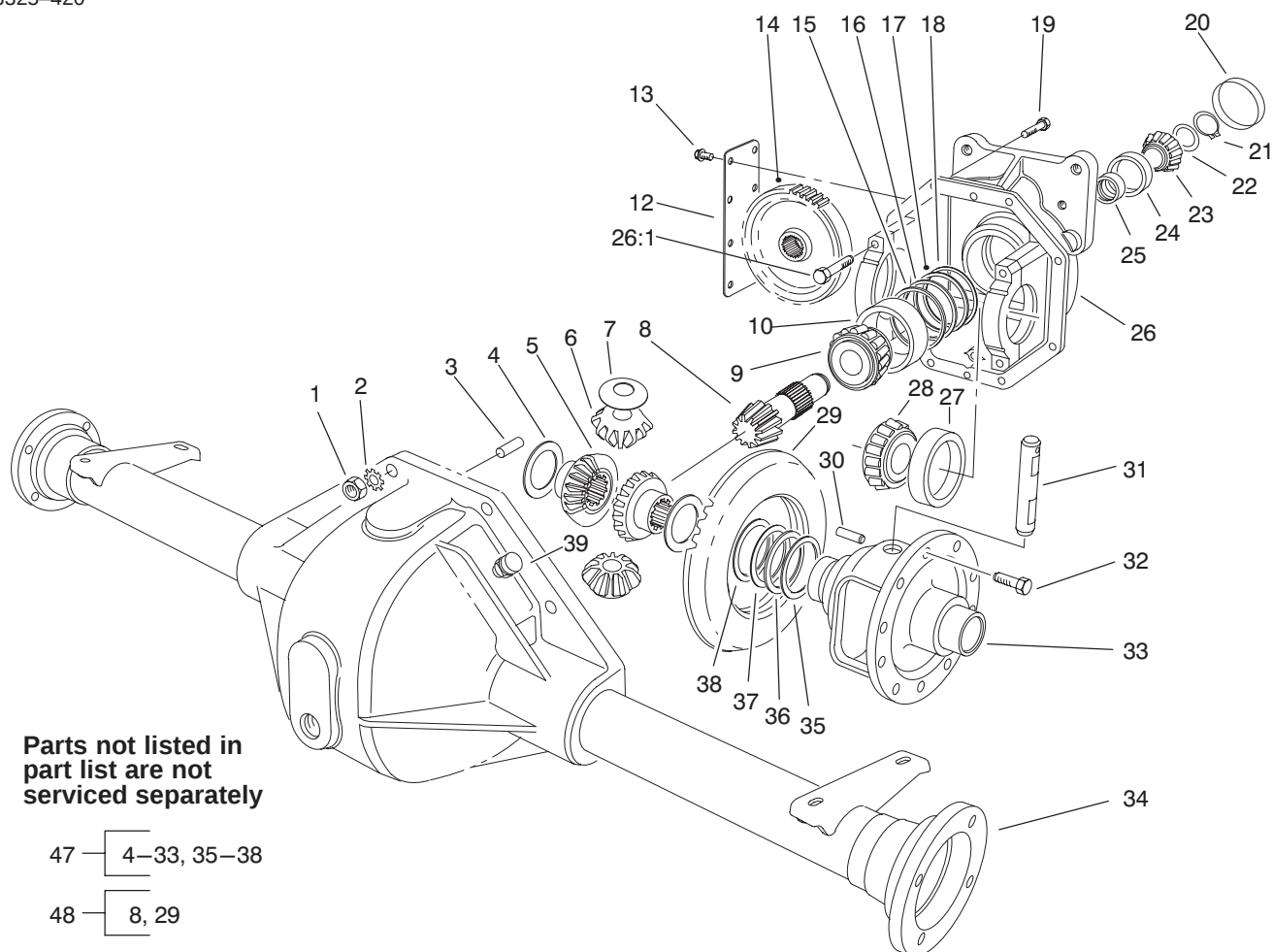


Front Axle Assembly No. 86-9600-03 (Only on: 30626)

Ref. No.	Part No.	Qty.	Description
1	3219-2	8	Nut
2	3255-8	8	Washer-Lock
3	21-8270	2	Dowel Pin
4	21-7720	2	Thrust Washer
5	24-8790	2	Differential Bevel Gear Side
6	21-7690	2	Pinion Gear
7	21-7730	2	Thrust Washer
8		1	Drive Pinion
9	43-6760	1	Roller Bearing Cone
10	43-6750	1	Roller Bearing Cup
12	21-7830	1	Gear Cover
13	12-5450	8	Screw-TAP
14	86-7230	1	Spur-Gear
15	43-6710	AR	Adjustment Shim .003
16	43-6711	AR	Adjustment Shim .005
17	43-6712	AR	Adjustment Shim .010
18	43-6713	AR	Adjustment Shim .030
19	3210-7	8	Screw-HH
20	21-7850	1	Cup-Plug
21	43-6550	1	Snap Ring
22	46-2210	AR	Shim-Front Pinion Bearing (.031)
*	46-2211	AR	Shim-Front Pinion Bearing (.033)
*22	46-2212	AR	Shim-Front Pinion

Ref. No.	Part No.	Qty.	Description
*	46-2213	AR	Bearing (.035)
*	46-2214	AR	Shim-Front Pinion Bearing (.037)
*	46-2215	AR	Shim-Front Pinion Bearing (.039)
*	46-2216	AR	Shim-Front Pinion Bearing (.041)
*	46-2220	AR	Shim-Front Pinion Bearing (.043)
*	46-2221	AR	Shim-Front Pinion Bearing (.045)
*	46-2222	AR	Shim-Front Pinion Bearing (.047)
*	46-2223	AR	Shim-Front Pinion Bearing (.049)
*	46-2224	AR	Shim-Front Pinion Bearing (.051)
*	46-2225	AR	Shim-Front Pinion Bearing (.053)
*	46-2226	AR	Shim-Front Pinion Bearing (.055)
*	46-2410	AR	Shim-Front Pinion Bearing (.057)
			Bearing (.062)

*Not Illustrated

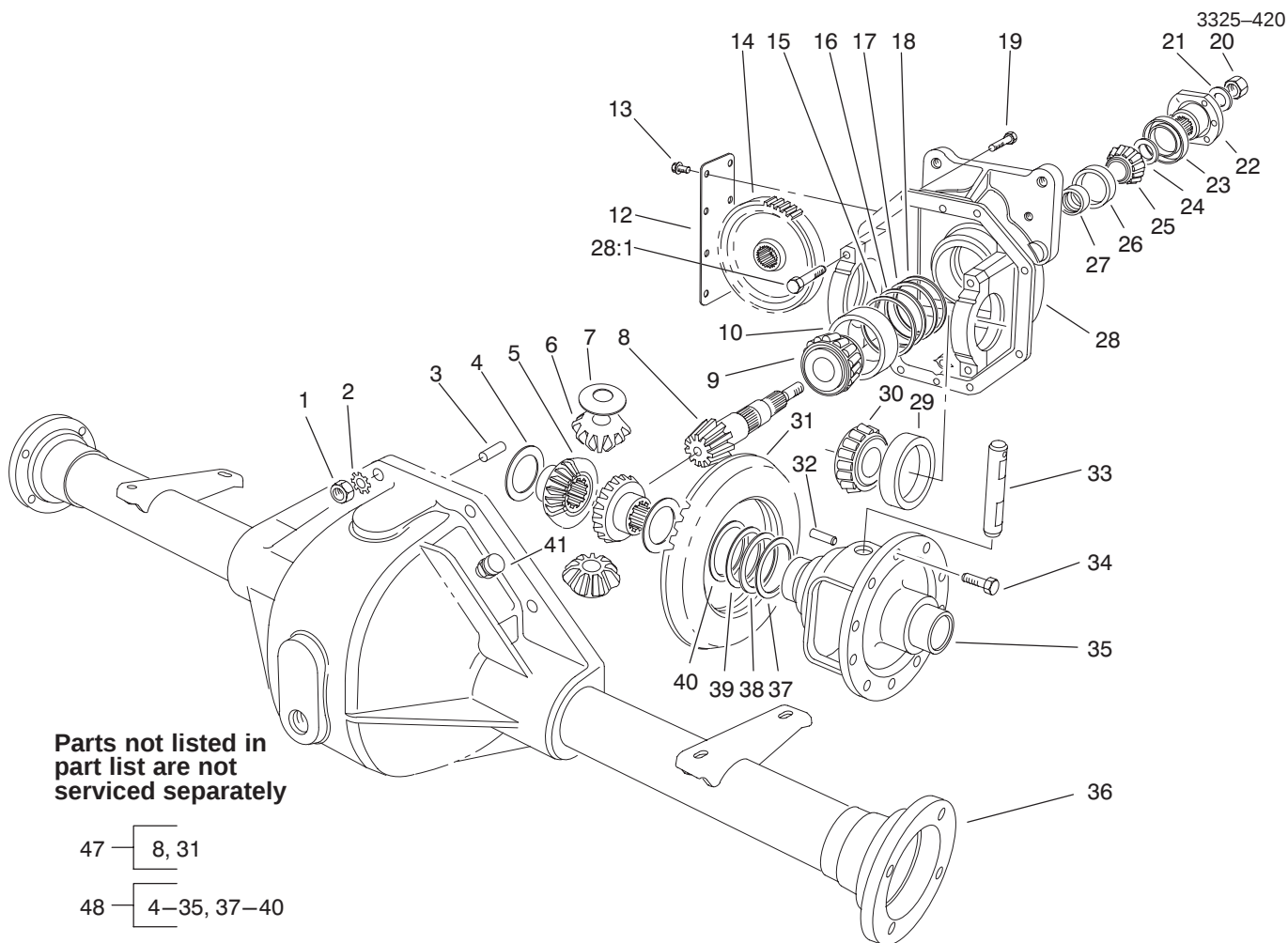


Front Axle Assembly No. 86-9600-03 (Continued) (Only on: 30626)

Ref. No.	Part No.	Qty.	Description
*22	46-2411	AR	Shim-Front Pinion Bearing (.064)
*	46-2412	AR	Shim-Front Pinion Bearing (.066)
*	46-2413	AR	Shim-Front Pinion Bearing (.068)
*	46-2414	AR	Shim-Front Pinion Bearing (.070)
*	46-2415	AR	Shim-Front Pinion Bearing (.072)
*	46-2416	AR	Shim-Front Pinion Bearing (.074)
*	46-2420	AR	Shim-Front Pinion Bearing (.076)
*	46-2421	AR	Shim-Front Pinion Bearing (.078)
*	46-2422	AR	Shim-Front Pinion Bearing (.080)
*	46-2423	AR	Shim-Front Pinion Bearing (.082)
*	46-2424	AR	Shim-Front Pinion Bearing (.084)
*22	46-2425	AR	Shim-Front Pinion Bearing (.086)

Ref. No.	Part No.	Qty.	Description
*	46-2426	AR	Shim-Front Pinion Bearing (.088)
23	254-91	1	Bearing Cone
24	254-90	1	Bearing Cup
25	21-8020	1	Spacer-Pinion Bearing
26	86-9580	1	Upper Housing
26:1	92-1773	4	Screw-HH
27	254-66	2	Cup-Tapered Bearing
28	254-65	2	Cone-Tapered Bearing
29		1	Ring Gear
30	32121-15	1	Roll Pin
31	21-7700	1	Pinion Mate Shaft
32	21-7770	5	Drive Gear Screw
33	21-7670	1	Differential Case
34	43-6840	1	Lower Housing
35	21-8120	AR	Adjustment Shim .030
36	21-8110	AR	Adjustment Shim .010
37	21-8100	AR	Adjustment Shim .005
38	21-8090	AR	Adjustment Shim .003
39	72-9420	1	Asm-Vent Tube
47	92-4903	1	Housing ASM-Upper
48	92-4848	1	Asm-Gear & Pinion

*Not Illustrated

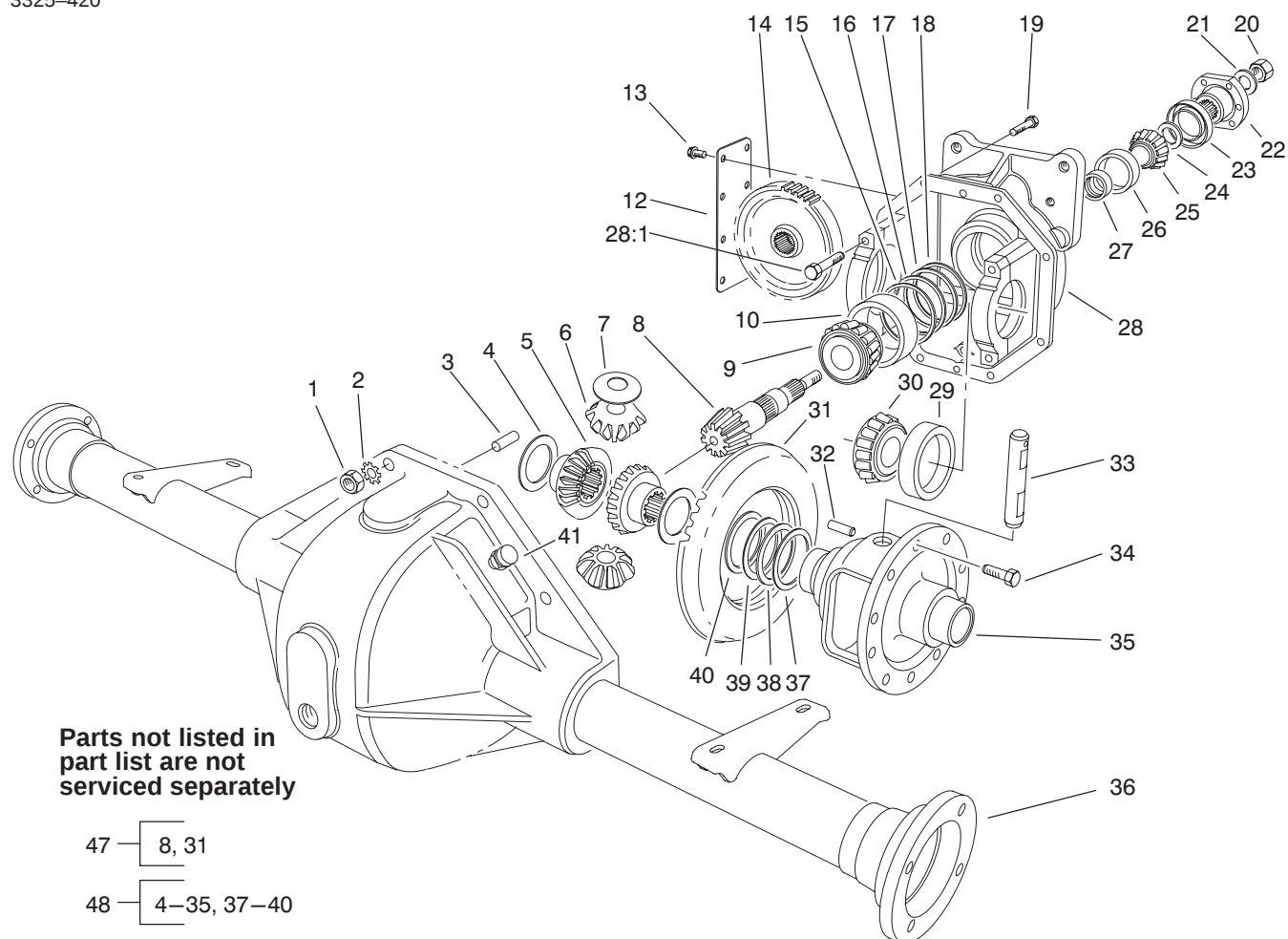


Front Axle Assembly No. 86-9630-03 (Only on: 30627)

Ref. No.	Part No.	Qty.	Description
1	3219-2	8	Nut
2	3255-8	8	Washer-Lock
3	21-8270	2	Pin-Dowel
4	21-7720	2	Washer-Thrust
5	24-8790	2	Gear-Bevel, Diff. Side
6	21-7690	2	Gear-Pinion
7	21-7730	2	Washer-Thrust
8		1	Pinion-Drive
9	43-6760	1	Cone-Bearing, Tapered
10	43-6750	1	Cup-Bearing, Tapered
12	21-7830	1	Cover-Gear
13	12-5450	8	Screw-TAP
14	86-7230	1	Gear-Spur
15	43-6710	A/R	Shim .003-Diff. Adjust.
16	43-6711	A/R	Shim .005-Diff. Adjust.
17	43-6712	A/R	Shim .010-Diff. Adjust.
18	43-6713	A/R	Shim .030-Diff. Adjust.
19	3210-7	8	Screw-HH
20	71-4350	1	Nut
21	71-4340	1	Washer
22	68-7010	1	Flange
23	71-4330	1	Seal
24	72-3570	A/R	Shim .094-Diff. Adjust.
*	72-3571	A/R	Shim .096-Diff. Adjust.
*	72-3572	A/R	Shim .098-Diff. Adjust.

Ref. No.	Part No.	Qty.	Description
24	72-3573	A/R	Shim .100-Diff. Adjust.
*	72-3574	A/R	Shim .102-Diff. Adjust.
*	72-3575	A/R	Shim .104-Diff. Adjust.
*	72-3576	A/R	Shim .106-Diff. Adjust.
*	72-3577	A/R	Shim .108-Diff. Adjust.
*	72-3578	A/R	Shim .110-Diff. Adjust.
*	72-3580	A/R	Shim .112-Diff. Adjust.
*	72-3581	A/R	Shim .114-Diff. Adjust.
*	72-3582	A/R	Shim .116-Diff. Adjust.
*	72-3583	A/R	Shim .118-Diff. Adjust.
*	72-3584	A/R	Shim .120-Diff. Adjust.
*	72-3585	A/R	Shim .125-Diff. Adjust.
*	72-3586	A/R	Shim .127-Diff. Adjust.
*	72-3587	A/R	Shim .129-Diff. Adjust.
*	72-3588	A/R	Shim .131-Diff. Adjust.
*	72-3590	A/R	Shim .133-Diff. Adjust.
*	72-3591	A/R	Shim .135-Diff. Adjust.
*	72-3592	A/R	Shim .137-Diff. Adjust.
*	72-3593	A/R	Shim .139-Diff. Adjust.
*	72-3594	A/R	Shim .141-Diff. Adjust.
*	72-3595	A/R	Shim .143-Diff. Adjust.
*	72-3596	A/R	Shim .145-Diff. Adjust.
*	72-3597	A/R	Shim .147-Diff. Adjust.
*	72-3598	A/R	Shim .149-Diff. Adjust.

*Not Illustrated

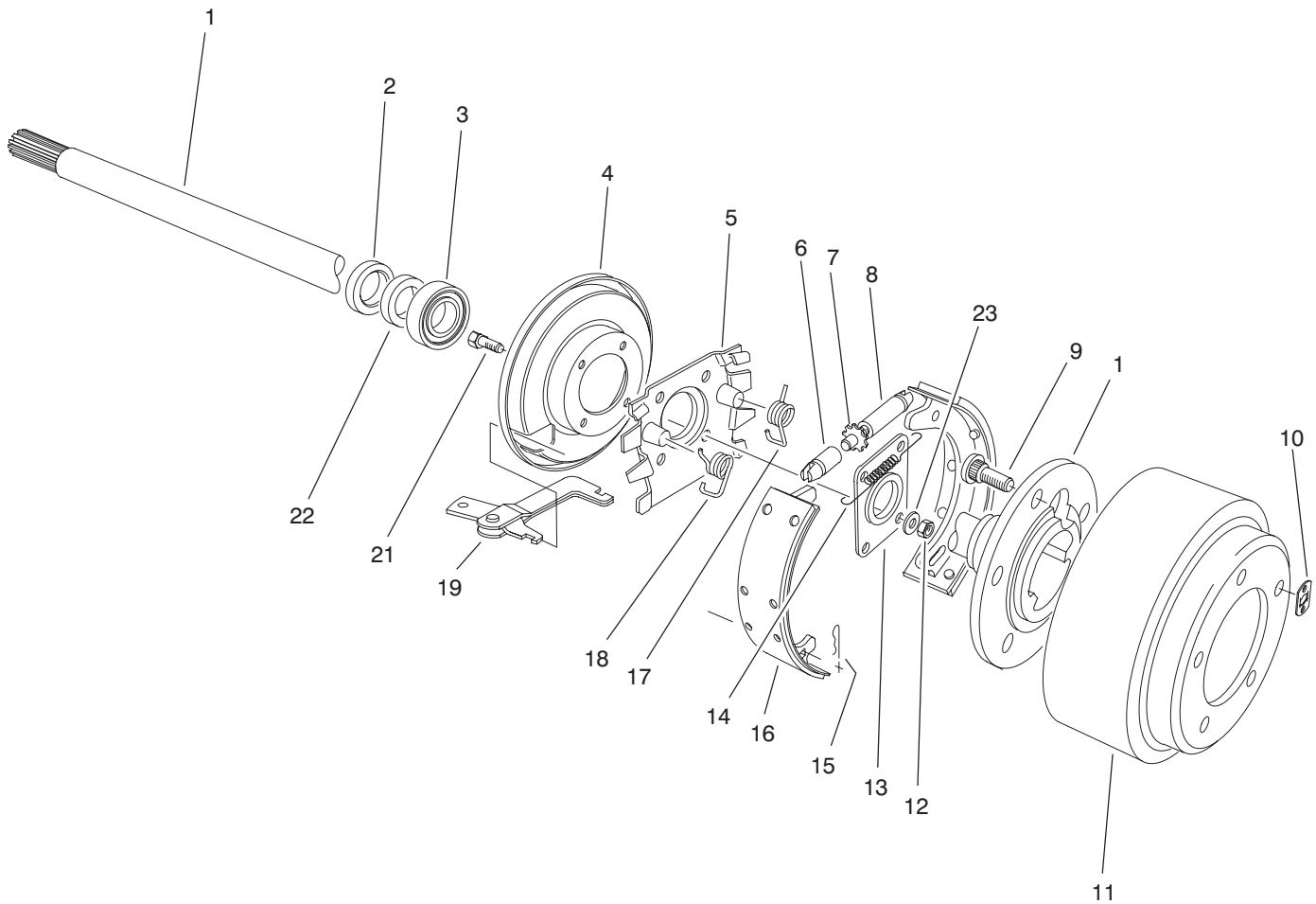


Front Axle Assembly No. 86-9630-03 (Continued)

Ref. No.	Part No.	Qty.	Description
* 25	72-3600	A/R	Shim .151-Diff. Adjust.
26	254-91	1	Cone-Bearing
27	254-90	1	Cup-Bearing
28	21-8020	1	Spacer-Bearing, Pinion
28:1	86-9610	1	Asm-Carrier
29	92-1773	4	Screw-HH
30	254-66	2	Cup-Bearing, Tapered
31	254-65	2	Cone-Bearing, Tapered
32		1	Gear-Ring
33	32121-15	1	Pin-Roll
34	21-7700	1	Shaft-Pinion, Mate
35	21-7770	5	Screw-Gear, Drive
36	21-7670	1	Case-Differential
37	43-6840	1	Housing-Lower
38	21-8120	A/R	Shim .030-Diff. Adjust.
39	21-8110	A/R	Shim .010-Diff. Adjust.
40	21-8100	A/R	Shim .005-Diff. Adjust.
41	21-8090	A/R	Shim .003-Diff. Adjust.
* 41	72-9420	1	Asm-Vent
* 41	92-1676	1	Asm-Gear & Pinion
* 41	92-4902	1	Housing ASM-Upper

Ref. No.	Part No.	Qty.	Description

*Not Illustrated



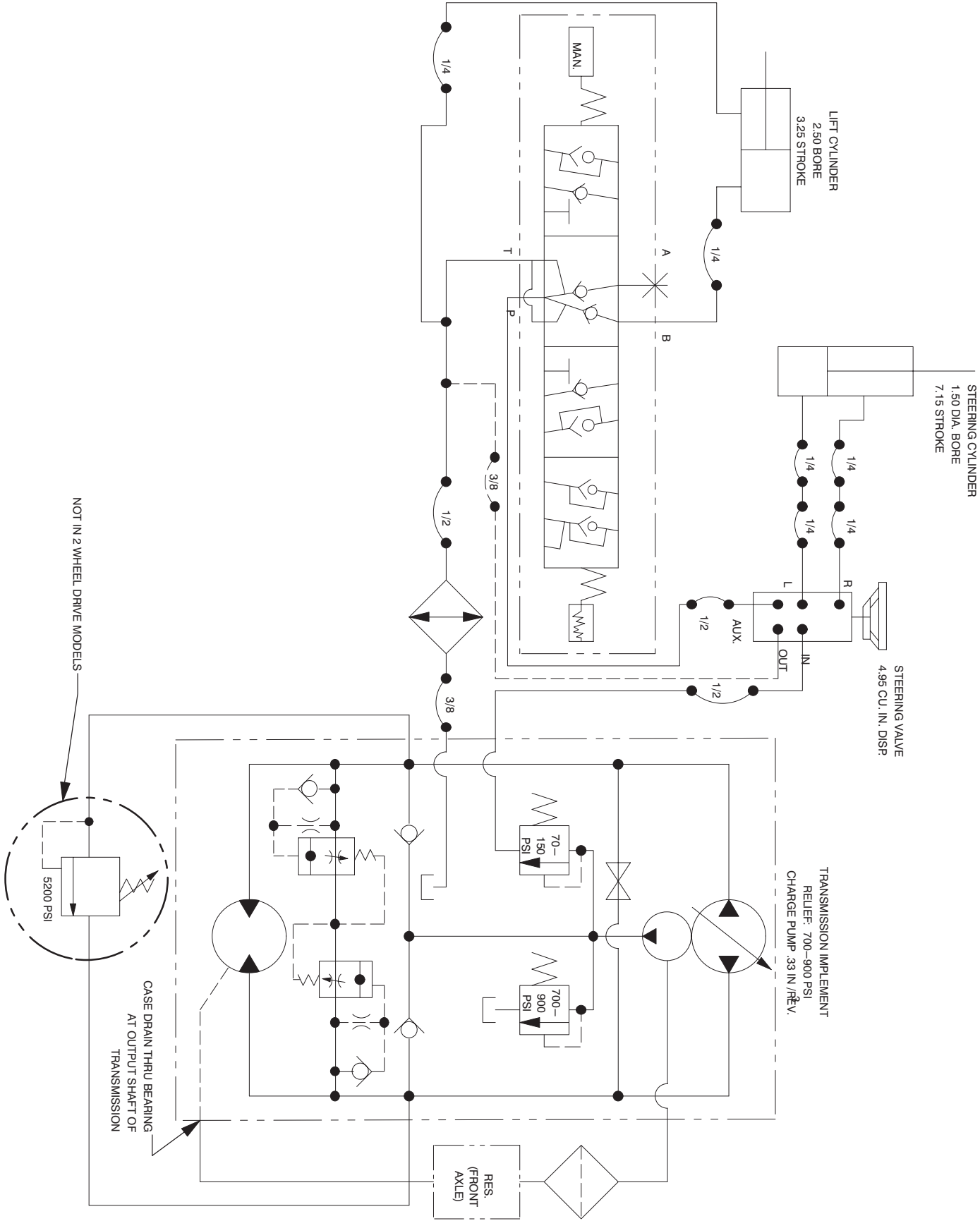
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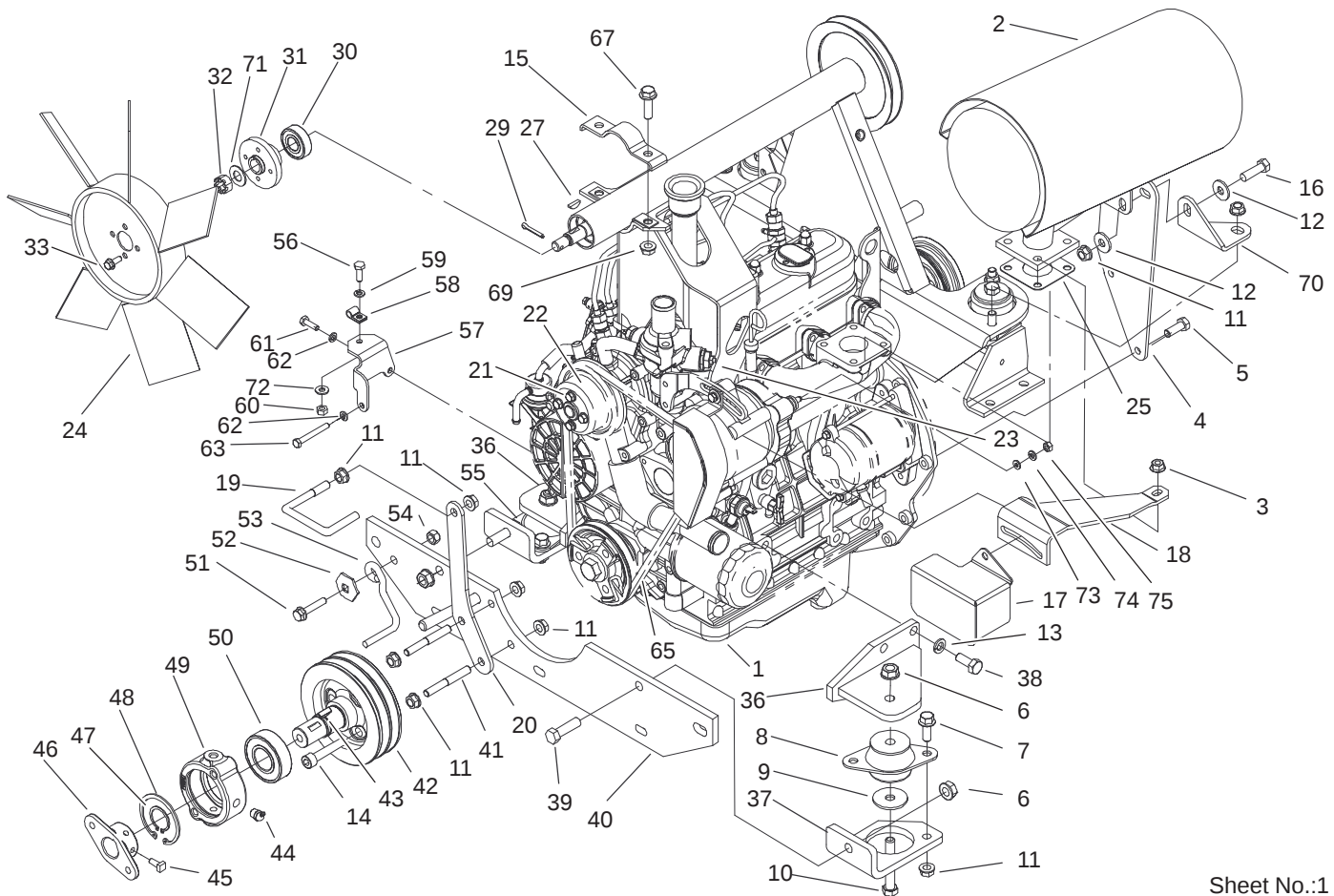
Brake Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	28-0650	2	Shaft-Flanged, Axle	22	24-8840	2	Ring-Wheel Bearing
2	92-1774	2	Seal-Oil	23	94-6936	8	Washer
3	21-8180	2	Bearing	*	92-8775	1	Kit-Gasket, Liquid
4	21-9450	2	Dust Shield				
5	43-6810	2	Torque-Spider				
6	21-9390	2	Socket-Adjusting Screw				
7	21-9370	2	Screw-Adjusting				
8	100-6570-01	2	Nut-Pivot				
9	242-34	10	Stud-Flanged, Axle				
10	21-8360	2	Clip-Retaining				
11	99-8434-03	2	Brake Drum				
12	94-6935	8	Nut-Lock				
13	28-0670	2	Seal-Oil				
14	21-9440	2	Spring-Adjusting Screw				
15	21-9460	4	Retainer-Brake Lever				
16	84-8600	1	Asm-Shoe & Lining (Set of 4)				
17	21-9420	2	Spring-Shoe Return LH				
18	21-9430	2	Spring-Shoe Return RH				
19	24-9180	2	Strut & Lever Parking Brake				
21	94-6934	8	Screw-HH				

*Not Illustrated

Hydraulic Schematic



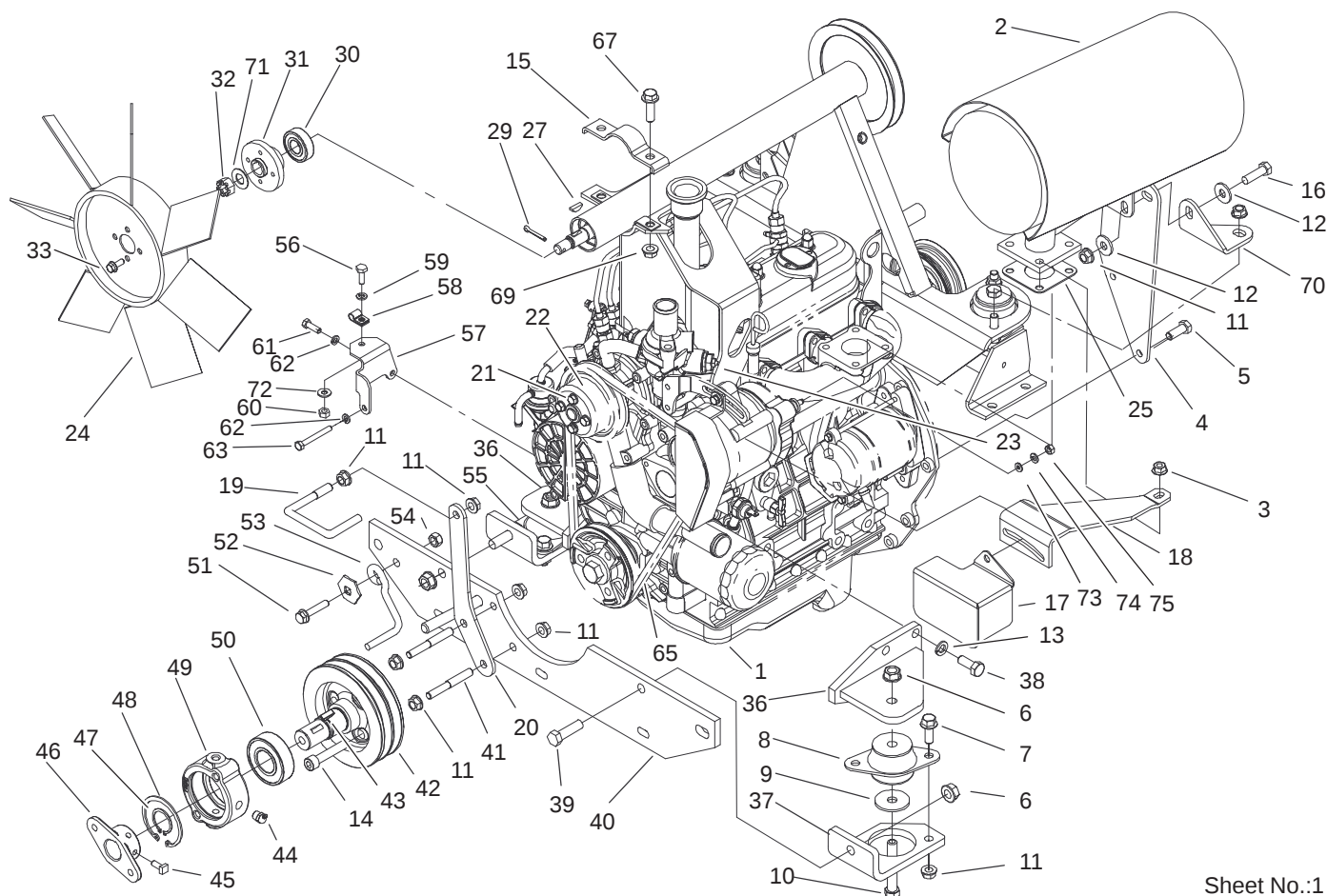


Sheet No.:1

Engine and Mounting Components Assembly

Ref. No.	Part No.	Qty.	Description
1	104-3448	1	Engine-Kubota
2	104-3426	1	Muffler-Exhaust
3	68-9400	4	Nut-Flange
4	105-2523-03	1	Bracket-Muffler
5	33114-016	2	Screw-HH
6	32128-37	4	Nut-HF
7	3234-11	6	Screw-HHF
8	53-9680	2	Mount-Engine
9	53-9480	2	Snubber Washer
10	324-11	2	Screw-HH
11	3290-357	16	Nut-Flange, Lock
12	80-6990	2	Washer-Hardened
13	42-9600	8	Lockwasher-Spring
14	3274-106	3	Screw-HSH
15	105-2519-03	1	Clamp-Cradle
16	323-44	2	Screw-HH
17	105-2557-03	1	Guard-Alternator
18	105-2556-03	1	Brace-Alternator, Upper
19	105-4276	1	Guide-Belt, PTO
20	105-0052-03	1	Bracket-Belt Guide
21	99-8363	4	Bolt - Flange
22	98-9584	1	Pulley-Fan
23	98-9346	1	Sender-Temperature
24	104-4246	1	Fan-Engine
25	98-9611	1	Gasket

Ref. No.	Part No.	Qty.	Description
27	3257-30	1	Key-Woodruff
29	3272-16	1	Pin-Cotter
30	38-7820	1	Bearing-Ball
31	104-3408-03	1	Hub-Fan
32	32136-3	1	Nut
33	3234-33	4	Screw-HHF
36	104-3463-03	2	Mount-Front ASM
37	104-3464-03	1	Mount-LH Front, Frame
38	43-0090	8	Screw-HH
39	324-6	2	Screw-HH
40	75-9900-01	1	Support-Engine, Front
41	105-0057	2	Stud-Belt Retainer
42	104-3406-03	1	Pulley-Fan
43	3257-33	1	Key-Woodruff
44	302-10	1	Fitting-Grease
45	3241-5	2	Screw-Set
46	27-1960	1	Hub-Engine
47	32120-69	1	Ring-Snap
48	32120-22	1	Ring-Snap, Internal
49	43-3720	1	Collar-Bearing
50	251-252	1	Bearing
51	3234-18	1	Screw-HHF
52	3290-224	1	Lockwasher-Pyramid
53	63-1400	1	Rod-Belt
54	32153-2	1	Nut-Lock

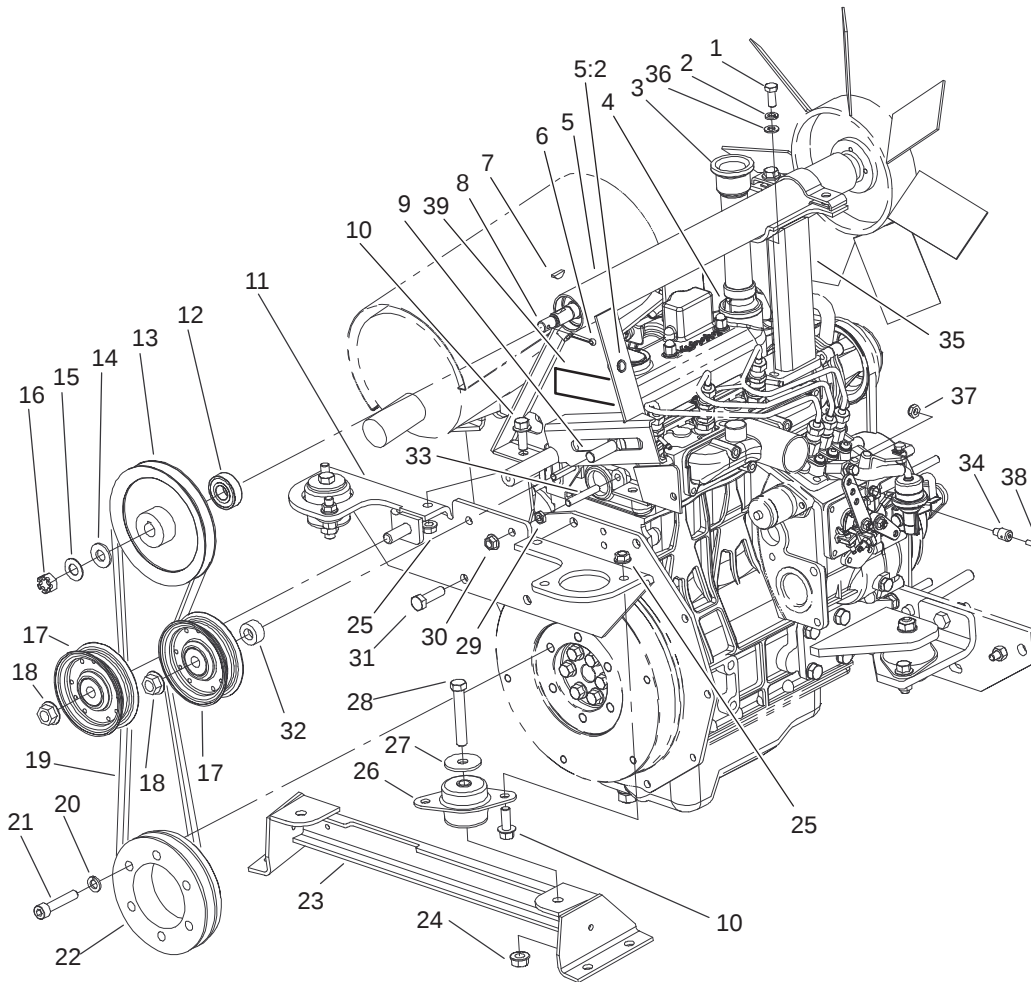


Sheet No.:1

Engine and Mounting Components Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
55	104-3465-03	1	Mount-RH Front, Frame
56	321-4	1	Screw-HH
57	104-3421-03	1	Bracket-Throttle
58	2412-31	1	Clamp-Boden
59	3253-3	1	Washer-Lock
60	3217-5	1	Nut-Hex
61	60-6650	1	Screw-HH
62	48-8020	2	Washer-Spring
63	48-7630	1	Screw
65	98-9676	1	V-Belt
67	3234-24	2	Screw-HHF
69	3296-39	2	Nut-Lock, NI
70	105-2598-03	1	Bracket-Muffler
71	3-6803	1	Washer-Adjusting
72	3256-22	1	Washer-Flat
73	3256-75	1	Washer-Flat
74	43-5930	1	Washer-Spring
75	48-7890	1	Nut

Ref. No.	Part No.	Qty.	Description

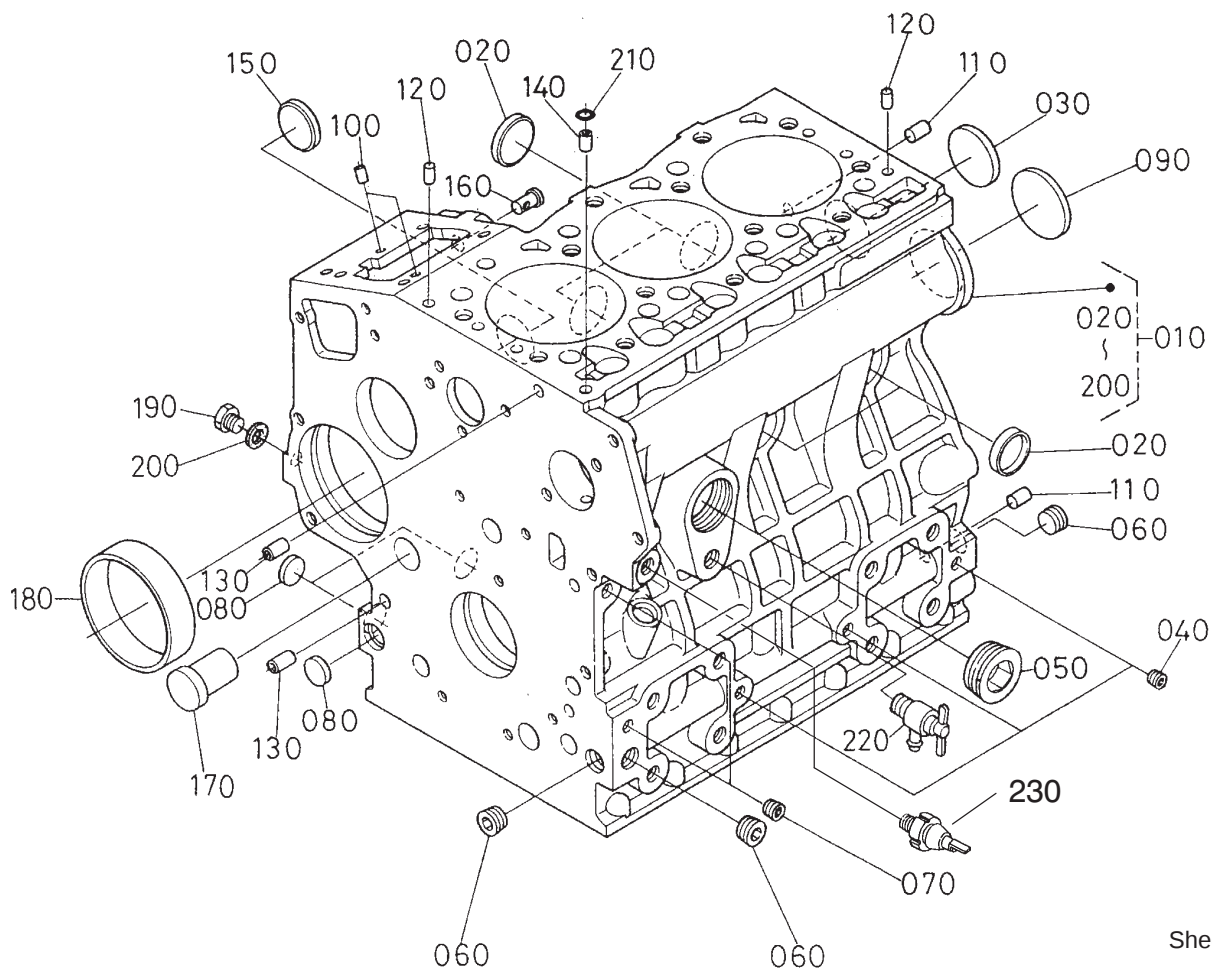


Sheet No.:2

Engine and Mounting Components Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
1	92-1374	2	Screw-HH
2	48-9570	2	Washer
3	105-0087	1	Flange-Filler, Oil
4	98-7430	1	O-Ring
5	105-2592	1	Tube Support ASM
5:2	3290-472	2	Insert-Threaded
6	3272-16	1	Pin-Cotter
7	3257-30	1	Key-Woodruff
8	43-3690	1	Fan Shaft
9	3233-14	1	Screw-CARR
10	3234-11	6	Screw-HHF
11	105-2501-03	1	Engine Mount ASM
12	38-7820	1	Bearing-Ball
13	105-2524	1	Pulley Hub
14	3-6803	2	Washer-Adjusting
15	29-8910	1	Washer
16	32136-3	1	Nut
17	105-3699	2	Pulley-Idler, Flat
18	32128-23	2	Nut-HF
19	105-3693	1	Belt-Fan
20	42-9600	6	Lockwasher-Spring
21	3274-106	6	Screw-HSH
22	104-3407-03	1	Pulley-Flywheel
23	105-2520-03	1	Engine Mount ASM
24	32128-37	2	Nut-HF
25	3290-357	6	Nut-Flange, Lock

Ref. No.	Part No.	Qty.	Description
26	53-9680	2	Mount-Engine
27	53-9480	2	Snubber Washer
28	324-11	2	Screw-HH
29	57-6390	2	Nut-Jam
30	92-6780	2	Nut-HF
31	56-2140	2	Bolt
32	105-0058	1	Spacer-Fan Idler
33	105-2502	2	Stud
34	105-4263	1	Swivel-Throttle Cable
35	105-2507-03	1	Cradle-Tube Support
36	33094-00	2	Washer-Flat
37	3296-20	1	Nut-Lock, NI
38	25-8640	1	Screw-HH
39	67-5360	1	Decal-Danger



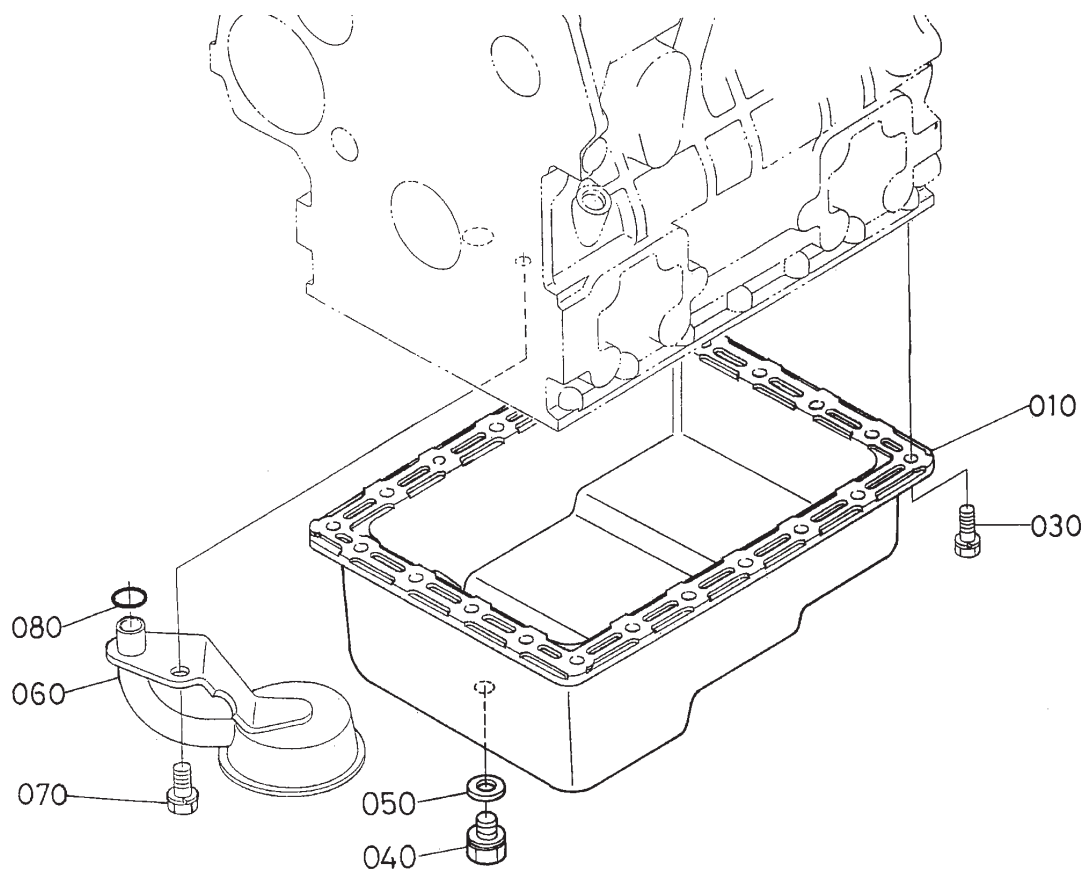
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Crankcase Assembly

Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	105-3778	1	Crankcase ASM
020	98-9398	4	Cap-Sealing
030	98-7539	1	Cap-Sealing
040	98-7540	3	Cap-Sealing
050	105-3779	1	Plug
060	98-9597	3	Plug
070	98-7487	2	Plug
080	98-7489	3	Plug
090	98-9668	1	Plug
100	105-3793	2	Pin-Straight
110	105-3794	2	Pin-Straight
120	105-3795	2	Pin-Straight
130	98-9387	2	Pin-Pipe
140	98-9539	1	Pin-Pipe
150	98-9599	1	Plug
160	98-9630	1	Pin-Spring, Start
170	98-9675	1	Plug
180	98-9656	1	Bush-Governor, Gear
190	98-7507	1	Plug
200	98-7428	1	Gasket
210	98-7509	1	O-Ring
220	98-9436	1	Drain Cock ASM
230	98-9416	1	Switch-Oil

Ref. No.	Part No.	Qty.	Description



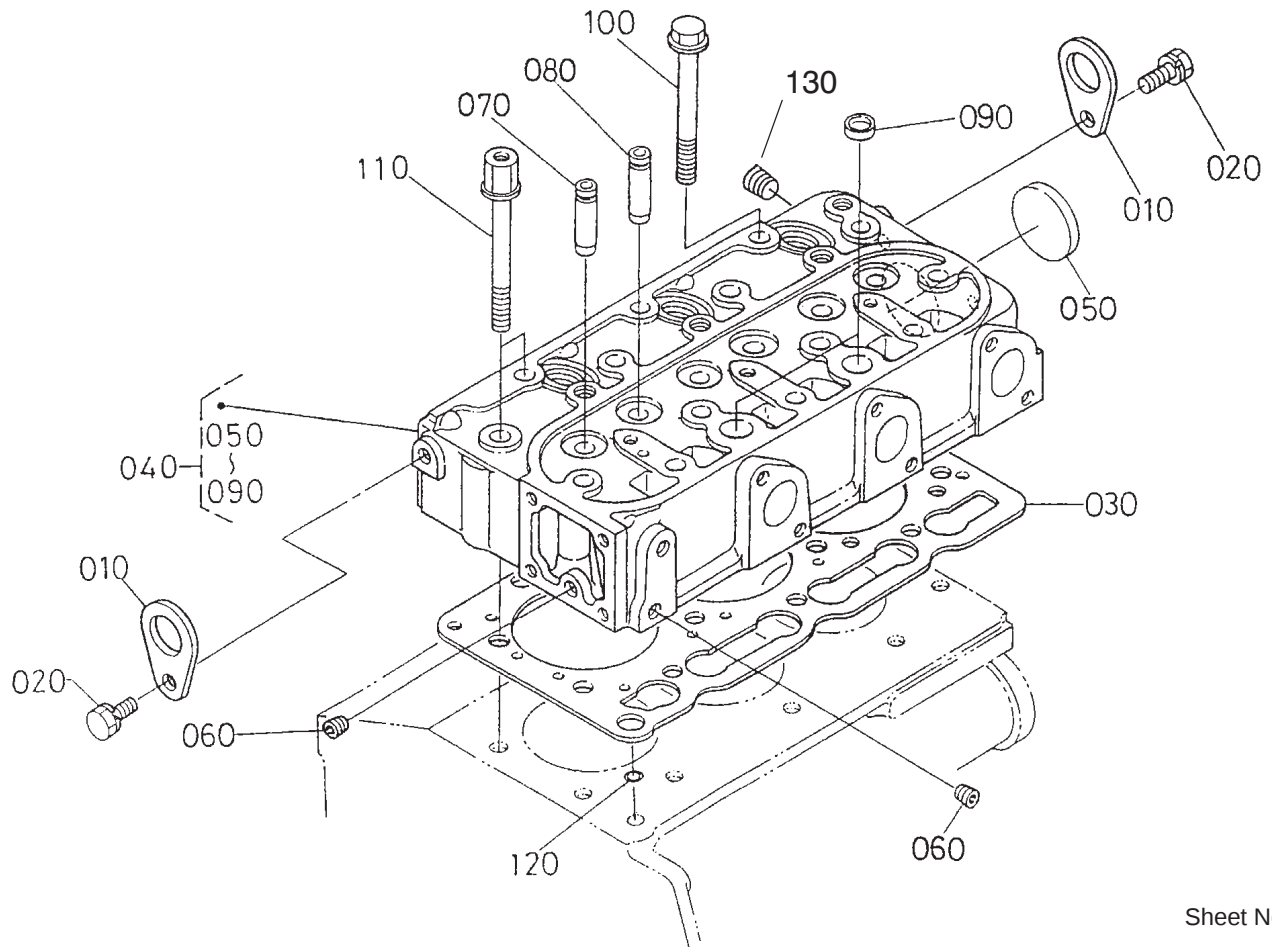
Sheet No.:54

Oil Pan Assembly

Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	104-3495	1	Pan-Oil
030	98-9350	2	Bolt
040	98-9386	1	Plug
050	98-7524	1	Gasket
060	104-3496	1	Filter-Oil Pickup
070	98-9358	1	Bolt
080	105-3776	1	O-Ring

Ref. No.	Part No.	Qty.	Description

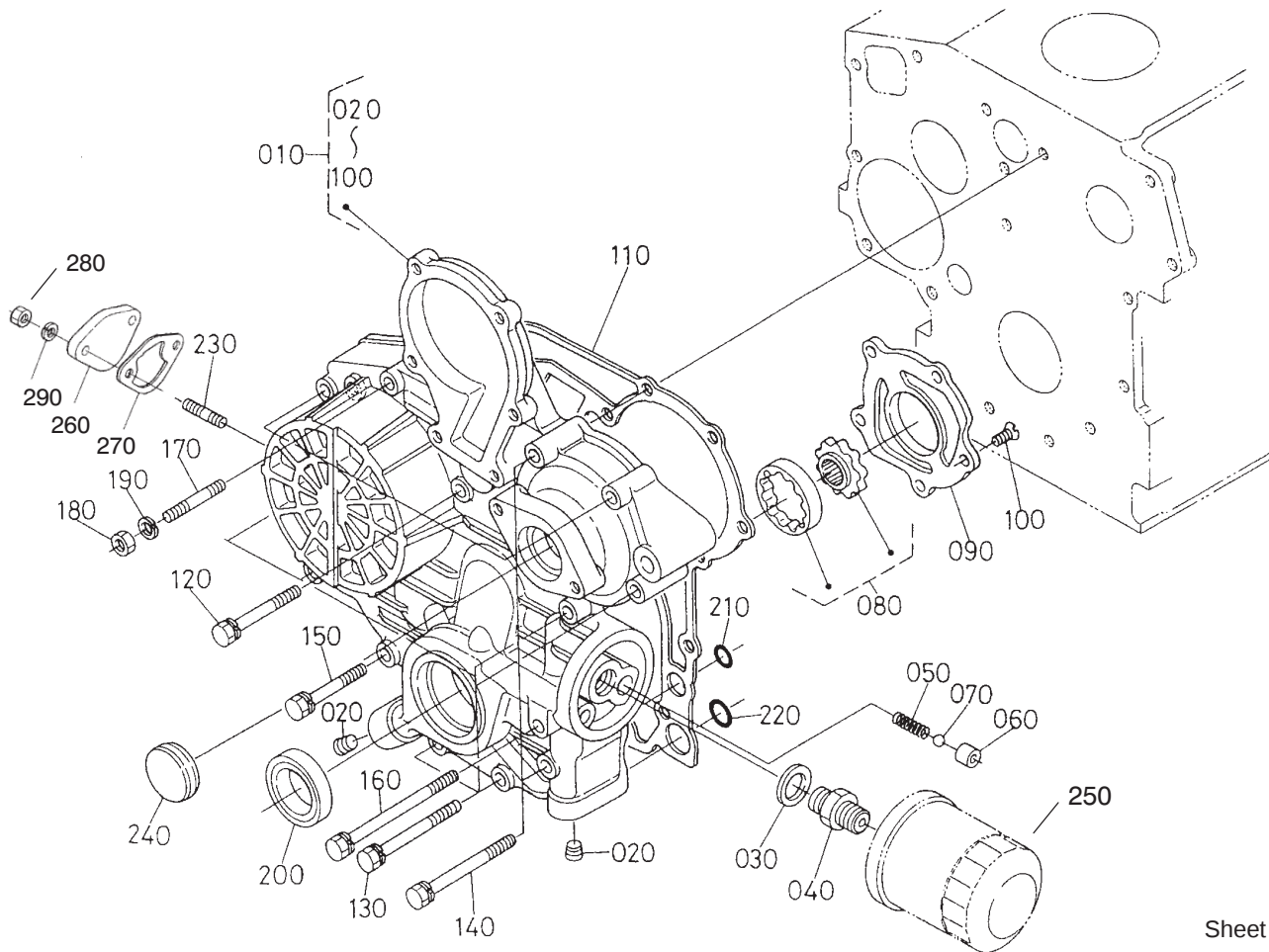


Sheet No.:55

Cylinder Head Assembly

Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-7531	2	Hook-Engine
020	100-9195	2	Bolt
030	105-3780	1	Gasket-Head,Cylinder
040	98-9460	1	Cylinder Head ASM
050	98-9395	1	Cap-Sealing
060	98-7540	2	Cap-Sealing
070	98-9499	3	Guide-Valve, Inlet
080	98-9500	3	Guide-Valve, Exhaust
090	98-9389	2	Cap-Sealing
100	98-9479	1	Bolt-Head, Cylinder
110	98-9647	2	Bolt-Head, Cylinder
120	98-7509	1	O-Ring
130	98-9444	1	Plug

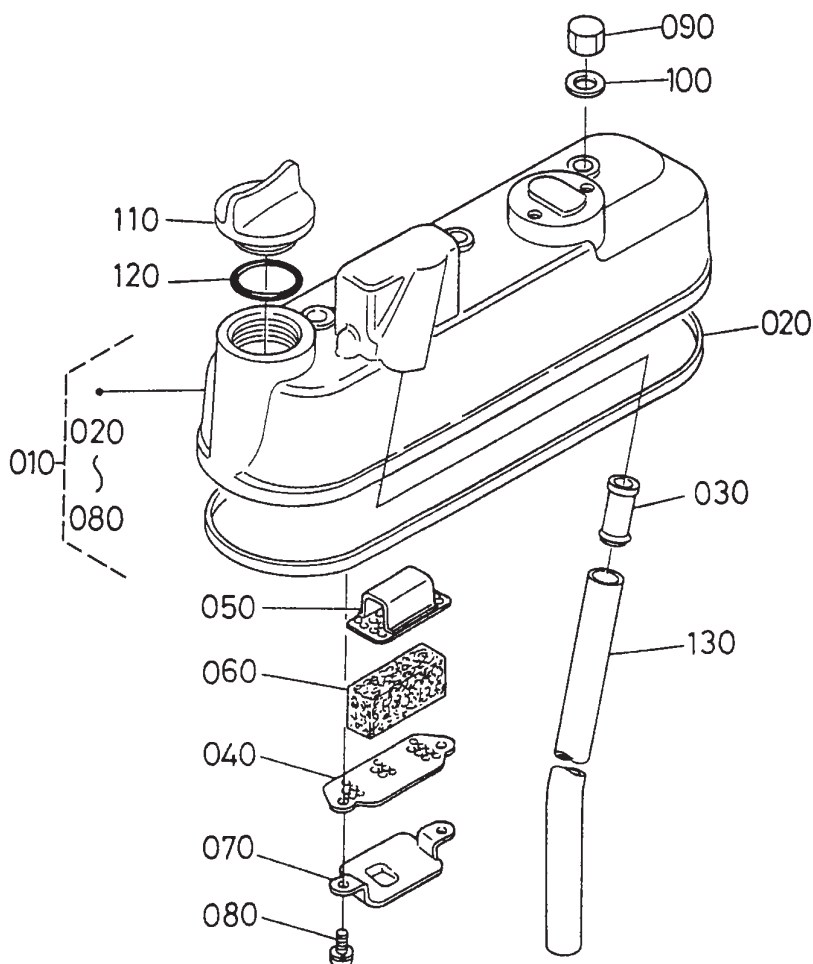


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Gear Case, Oil Filter and Cover Assembly Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9481	1	Gear Case ASM
020	98-9598	1	Plug
030	98-7562	1	Washer-Plain
040	98-9388	1	Joint-Pipe
050	98-9544	1	Spring
060	98-9543	1	Seat-Valve
070	98-9380	1	Ball
080	98-9540	1	Oil Pump Rotor ASM
090	98-9541	1	Cover-Pump, Oil
100	98-9592	5	Screw
110	98-9633	1	Gasket-Case, Gear
120	98-7496	3	Bolt
130	105-3797	6	Bolt
140	98-9356	2	Bolt
150	98-9437	1	Bolt
160	98-9586	1	Bolt
170	105-3709	1	Stud
180	98-7572	1	Nut
190	98-7699	1	Washer-Spring
200	98-9482	1	Seal-Oil
210	105-3781	2	O-Ring
220	105-3777	2	O-Ring
230	105-3710	2	Stud
240	98-9641	1	Cover

Ref. No.	Part No.	Qty.	Description
250	99-8384	1	Filter-Oil
260	99-3514	1	Cover
270	98-9636	1	Gasket-Pump, Fuel
280	98-7572	2	Nut
290	98-7699	2	Washer-Spring

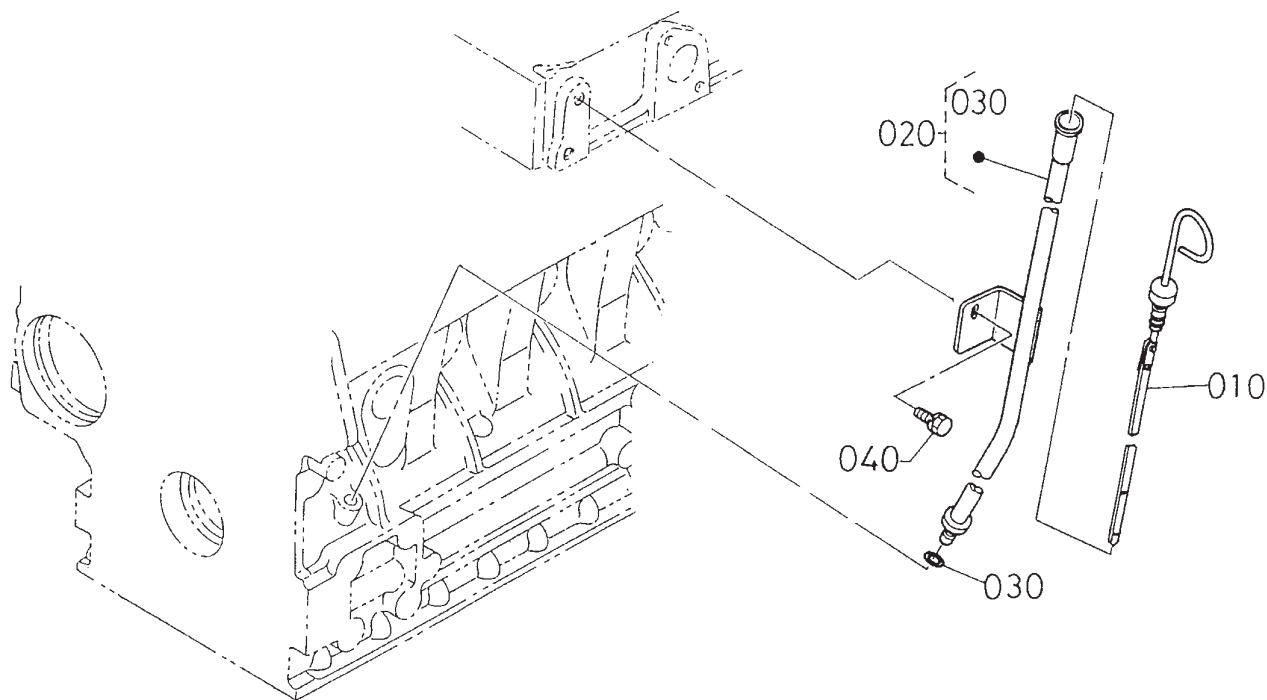


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Head Cover Assembly

Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9614	1	Cylinder Head Cover ASM
020	98-9615	1	Gasket-Cover, Head
030	98-9492	1	Joint-Pipe, Breather
040	98-9488	1	Plate-Element, Breather
050	98-9489	1	Plate-Element, Breather
060	98-9493	1	Element-Breather
070	98-9490	1	Shield-Oil, Breather
080	105-3782	2	Screw W/Washer
090	98-9455	3	Nut-Cap
100	98-9454	3	Gasket
110	98-9449	1	Plug-Filler, Oil
120	99-3446	1	O-Ring
130	98-9491	1	Pipe-Breather

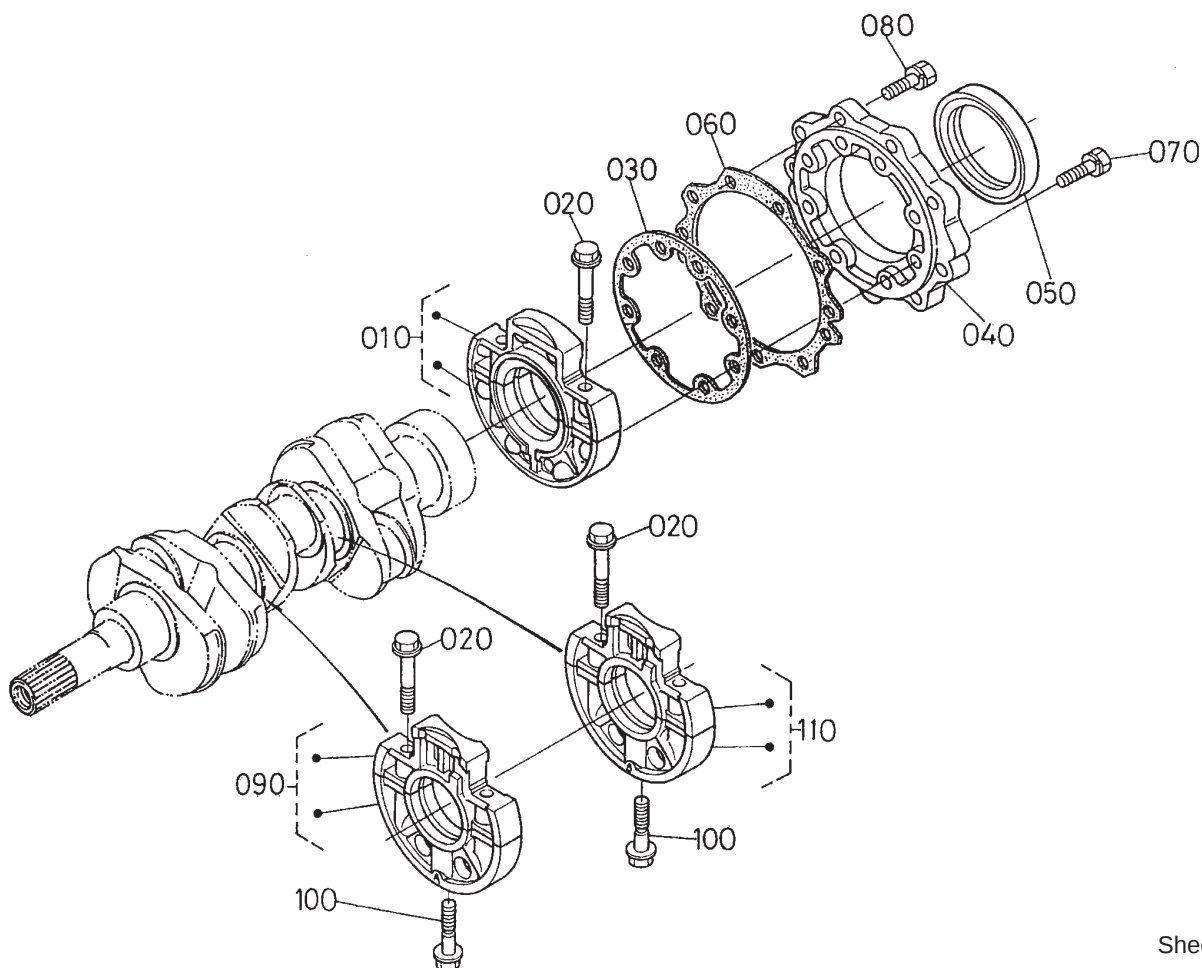


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Dipstick and Guide Assembly Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9670	1	Gauge-Oil
020	98-9672	1	Oil Gauge Guide ASM
030	98-9374	1	O-Ring
040	98-7453	1	Bolt

Ref. No.	Part No.	Qty.	Description

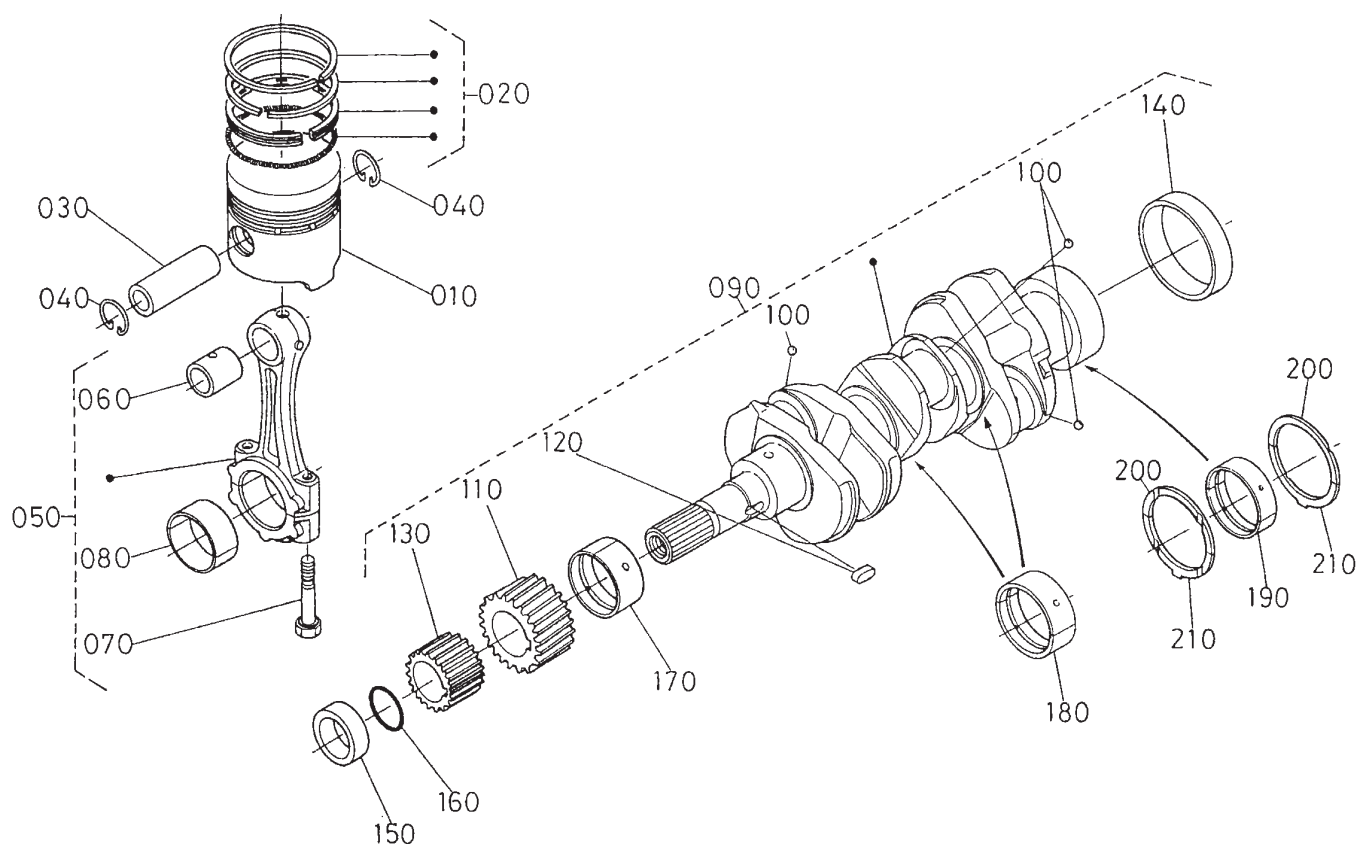


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Main Bearing Case Assembly

Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9480	1	Main Bearing Case ASM
020	98-9484	6	Bolt-Case, Bearing
030	98-9634	1	Gasket-Case, Bearing
040	98-9487	1	Cover-Case, Bearing
050	98-9483	1	Seal-Oil
060	98-9635	1	Gasket-Cover, Bearing Case
070	98-9352	8	Bolt
080	98-7568	9	Bolt
090	98-9606	1	Main Bearing Case ASM
100	98-9485	2	Bolt-Case, Bearing
110	98-9607	1	Main Bearing Case ASM

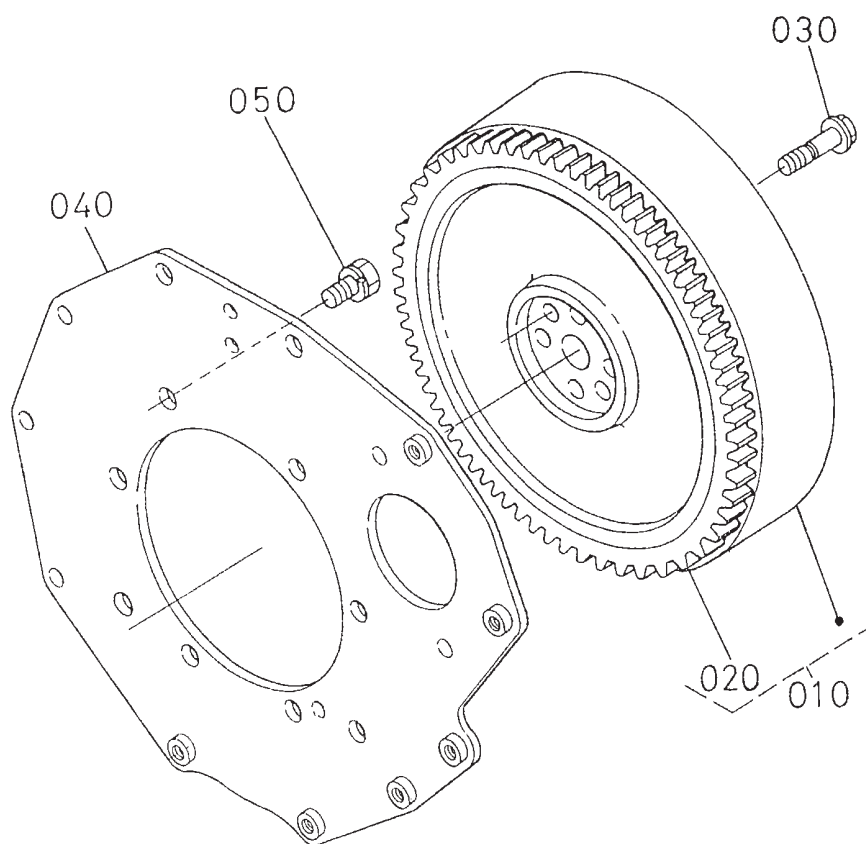


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Piston and Crankshaft Assembly Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9469	3	Piston (STD)
010	98-9470	3	Piston (0.5mm)
020	98-9618	3	Piston Ring ASM (STD)
020	98-9619	3	Piston Ring ASM (+0.5mm)
030	98-9513	3	Pin-Piston
040	98-9514	6	Clip-Circular, Piston Pin
050	98-9516	3	Connecting Rod ASM
060	98-9515	3	Bushing-Pin, Piston
070	98-9517	6	Bolt-Rod, Connecting
080	98-9518	3	Metal, Crankpin (STD)
080	98-9519	3	Bearing-Rod (0.2mm)
080	98-9520	3	Bearing-Rod (0.4mm)
090	98-9642	1	Crankshaft ASM
100	98-7473	3	Ball
110	98-9532	1	Gear-Crankshaft
120	98-9666	1	Key
130	98-9542	1	Gear-Drive, Oil Pump
140	98-9522	1	Sleeve-Crankshaft
150	98-9521	1	Collar-Crankshaft
160	105-3783	1	O-Ring
170	98-9529	1	Bearing-Main (0.4mm)

Ref. No.	Part No.	Qty.	Description
170	98-9528	1	Bearing-Main (0.2mm)
170	98-9523	1	Metal Crankshaft(STD)
180	98-9531	2	Bearing-Main (0.4mm)
180	98-9530	2	Bearing-Main (0.2mm)
180	98-9524	2	Metal-Crankshaft (STD Set)
190	98-9527	1	Bearing-Main (0.4mm)
190	98-9526	1	Bearing-Main (0.2mm)
190	98-9525	1	Metal Crankshaft(STD Set)
200	98-9415	2	Bearing-Thrust (0.4mm)
200	98-9414	2	Bearing-Thrust (0.2mm)
200	98-9413	2	Bearing-Thrust (STD)
210	98-9690	2	Bearing-Thrust (0.4mm)
210	98-9689	2	Bearing-Thrust (0.2mm)
210	98-9688	2	Bearing-Thrust (STD)



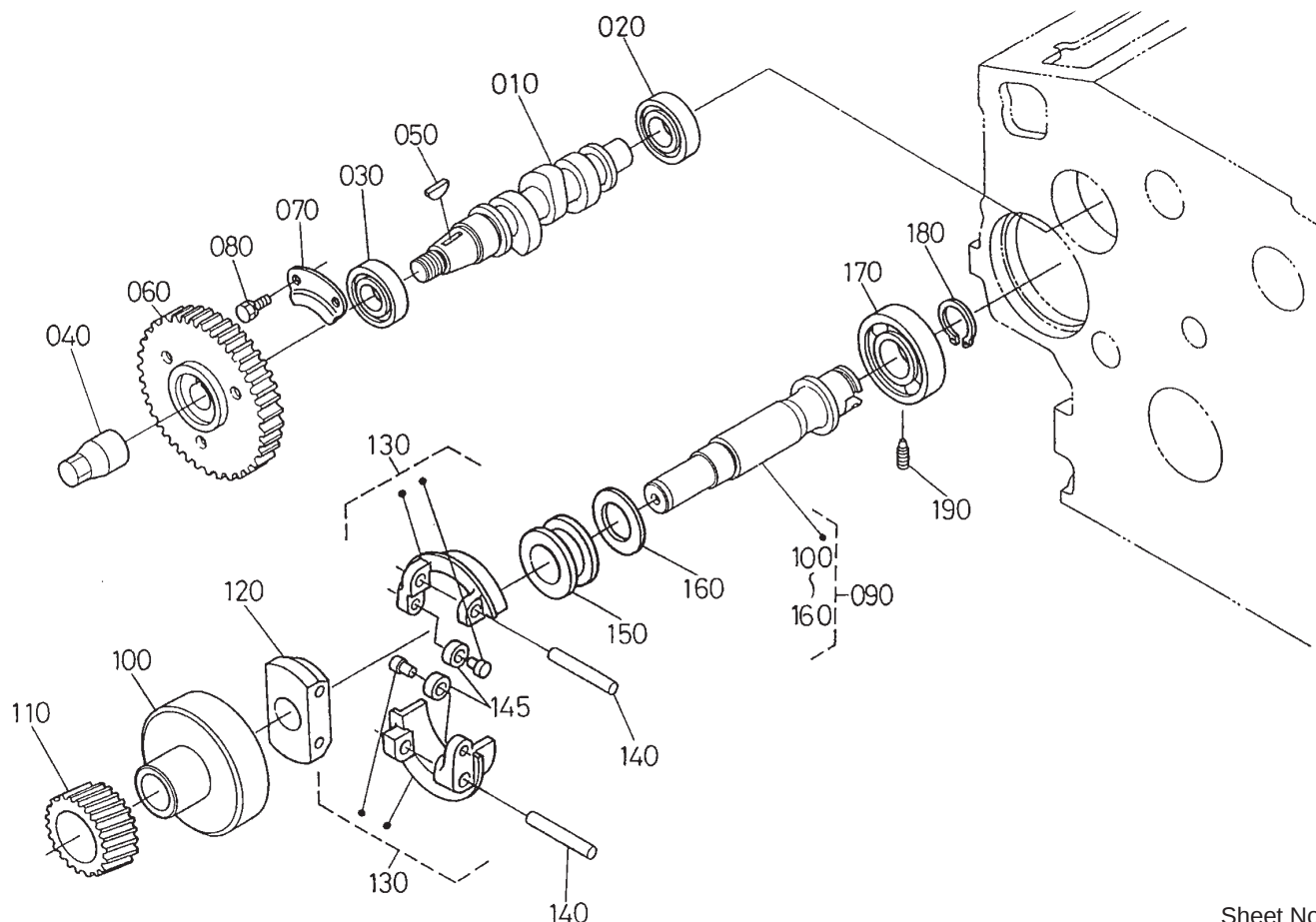
Sheet No.:62

Flywheel Assembly

Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	105-3784	1	Flywheel ASM
020	105-3722	1	Gear-Ring
030	98-9537	6	Bolt-Flywheel
040	98-9486	1	Plate-End, Rear
050	98-9392	8	Bolt

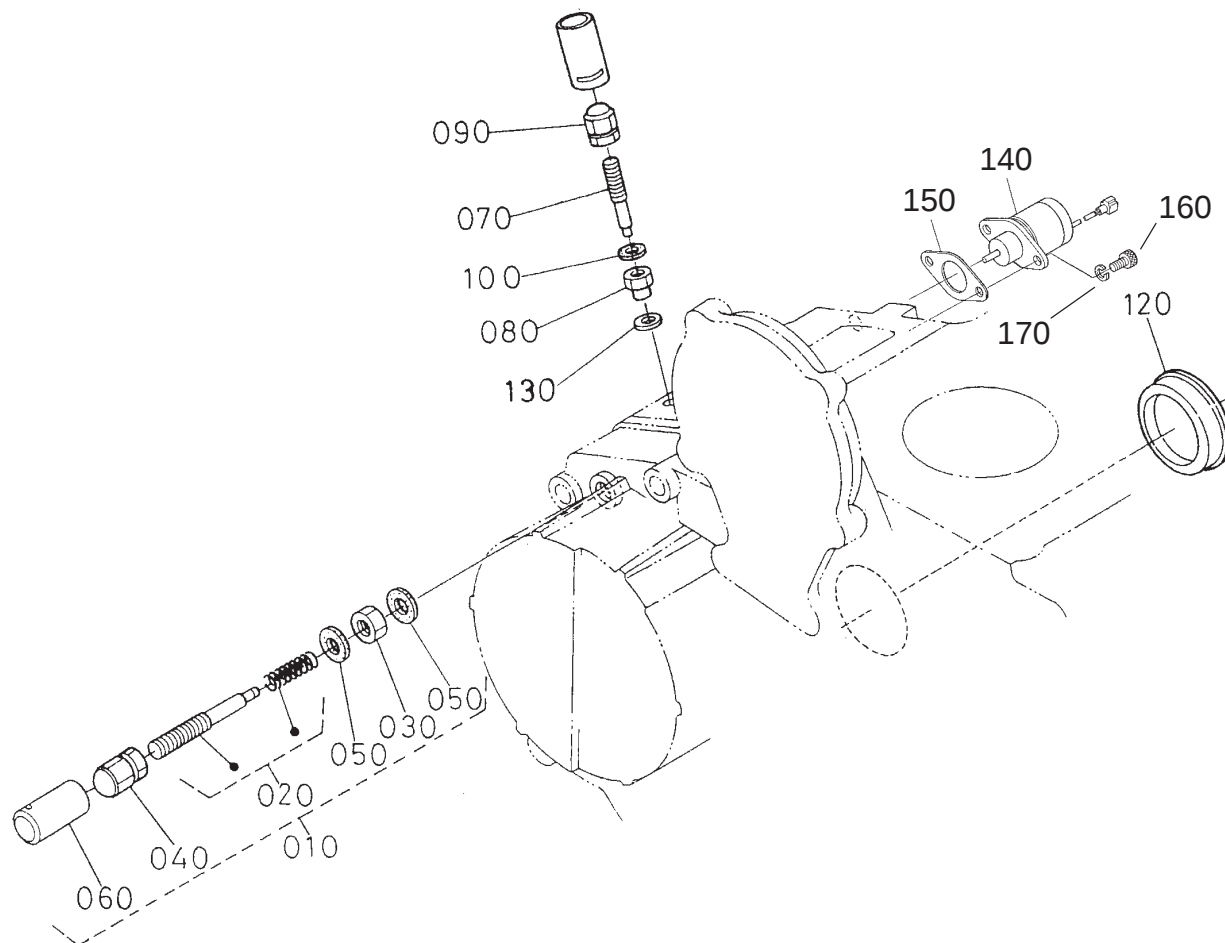
Ref. No.	Part No.	Qty.	Description



Sheet No.:63

Fuel, Camshaft and Governor Shaft Assembly Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
010	98-9459	1	Camshaft-Fuel	190	98-9565	1	Governor Shaft Screw-Set
020	98-9382	1	Bearing-Ball				
030	98-9383	1	Bearing-Ball				
040	98-9590	1	Nut-Cap				
050	98-9595	1	Key-Woodruff				
060	98-9669	1	Gear-Pump, Injection				
070	98-9511	1	Stopper-Fuel, Camshaft				
080	98-9350	2	Bolt				
090	98-9644	1	Governor Shaft ASM				
100	98-9562	1	Holder-Gear, Governor				
110	98-9673	1	Gear-Governor				
120	98-9561	1	Holder-Weight, Governor				
130	98-9559	2	Governor Weight ASM				
140	98-9560	2	Shaft-Weight, Governor				
145	98-9692	2	Roller				
150	98-9563	1	Sleeve-Governor				
160	98-9564	1	Washer-Thrust				
170	98-9381	1	Bearing-Ball				
180	98-9657	1	Clip-Circular,				

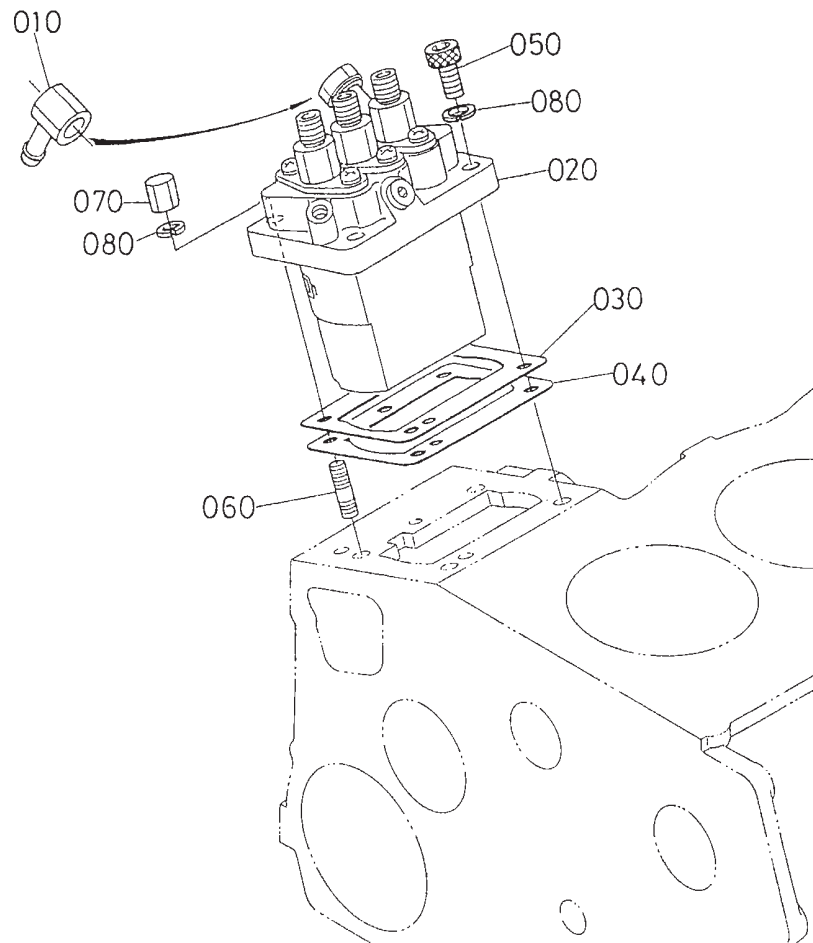


Sheet No.:64

Idle Apparatus and Stop Solenoid Assembly Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9678	1	Idle Apparatus ASM
020	98-9679	1	Adjusting Bolt ASM
030	98-9439	1	Nut
040	105-3785	1	Plug
050	98-7654	2	Gasket
060	98-7656	1	Cap
070	98-9557	1	Bolt-Adjusting
080	99-3512	1	Nut
090	105-3785	1	Plug
100	98-7654	1	Gasket
120	98-9640	1	Cover-Pump
130	99-8389	1	Gasket
140	98-9693	1	Solenoid-Stop
150	98-9683	1	Gasket-Cover, Solenoid
160	105-3799	2	Bolt-HSH
170	98-7699	2	Washer-Spring

Ref. No.	Part No.	Qty.	Description

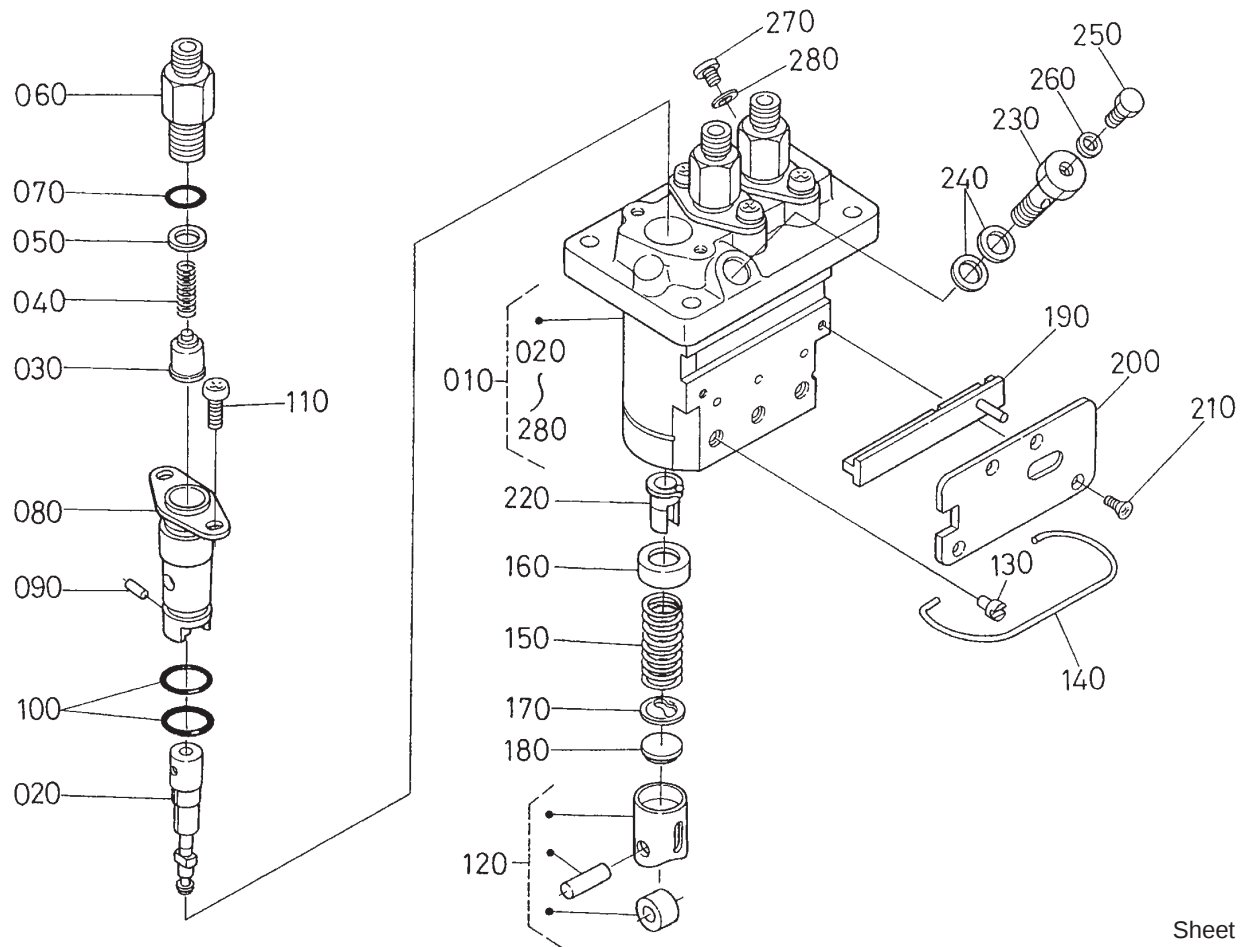


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Injection Pump Assembly

Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9596	1	Joint-Eye
020	98-9643	1	Injection Pump ASM
030	98-9456	1	Shim (0.2mm)
030	98-9457	1	Shim-Injection (0.25mm)
040	98-9458	1	Shim-Injection (0.30mm)
050	98-9361	2	Bolt-HSH
060	98-9438	2	Stud
070	98-9440	2	Nut-Cap
080	98-7699	4	Washer-Spring

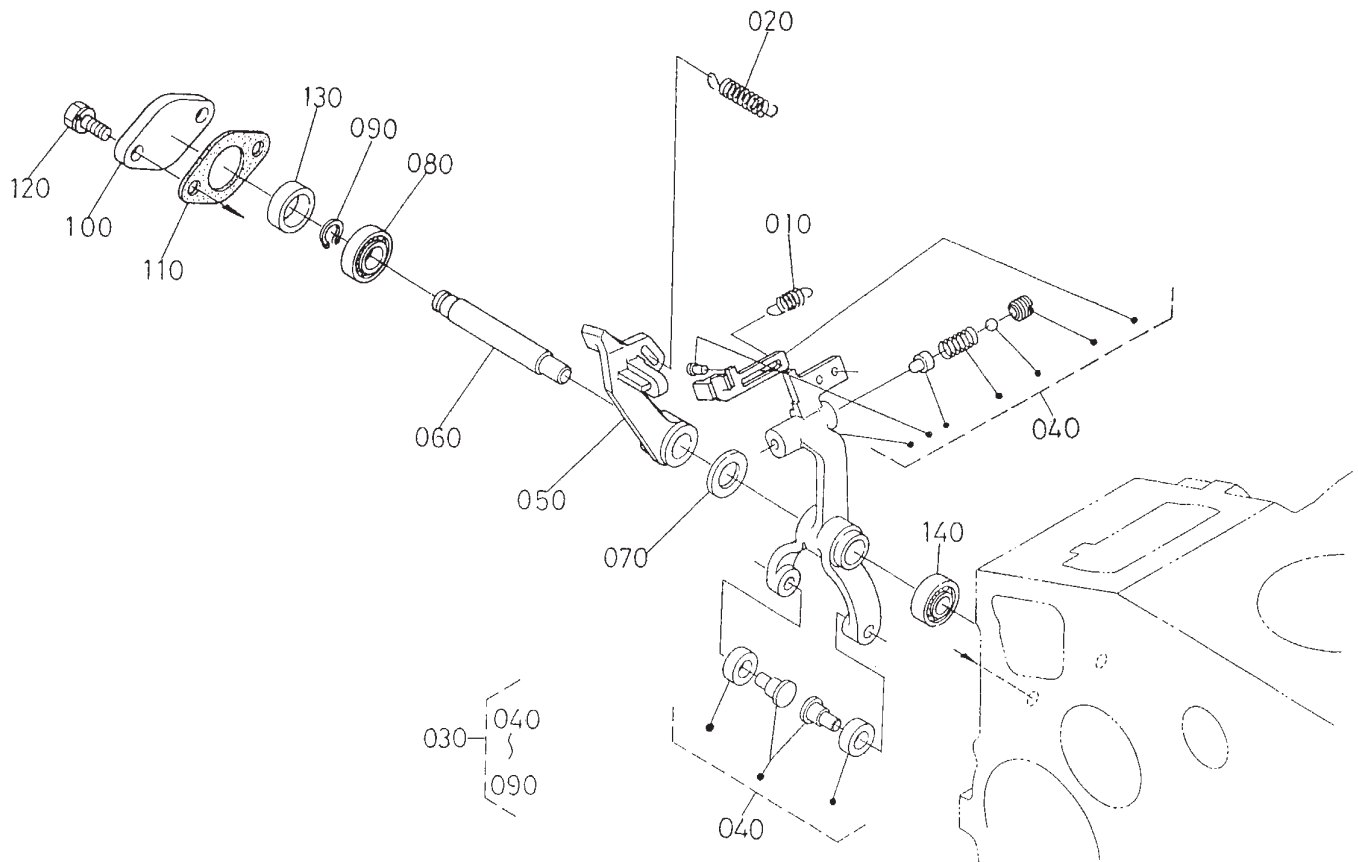


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Injection Pump Assembly No. 98-9643 Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9643	1	Injection Pump ASM
020	98-9462	3	Element-Pump
030	98-9421	3	Valve-Delivery
040	98-9424	3	Spring-Valve, Delivery
050	98-9425	3	Gasket-Valve, Delivery
060	98-9652	3	Holder-Valve, Delivery
070	98-9447	3	O-Ring
080	98-9434	3	Flange-Sleeve
090	98-9443	3	Pin-Joint
100	98-9423	6	O-Ring
110	105-2892	6	Screw
120	98-9422	3	Tappet ASM
130	98-9426	3	Pin-Guide, Tappet
140	98-9450	1	Pin-Clamp
150	98-9428	3	Spring-Plunger
160	98-9427	3	Seat-Spring, Upper
170	98-9429	3	Seat-Spring, Lower
180	98-9433	3	Shim
190	98-9463	1	Control-Rack
200	98-9465	1	Plate
210	98-9442	4	Screw
220	98-9432	3	Sleeve-Control
230	98-9464	1	Bolt-Joint

Ref. No.	Part No.	Qty.	Description
240	98-9445	2	Gasket
250	98-9430	1	Screw
260	98-9446	1	Gasket
270	98-9466	1	Plug
280	98-9451	1	Gasket

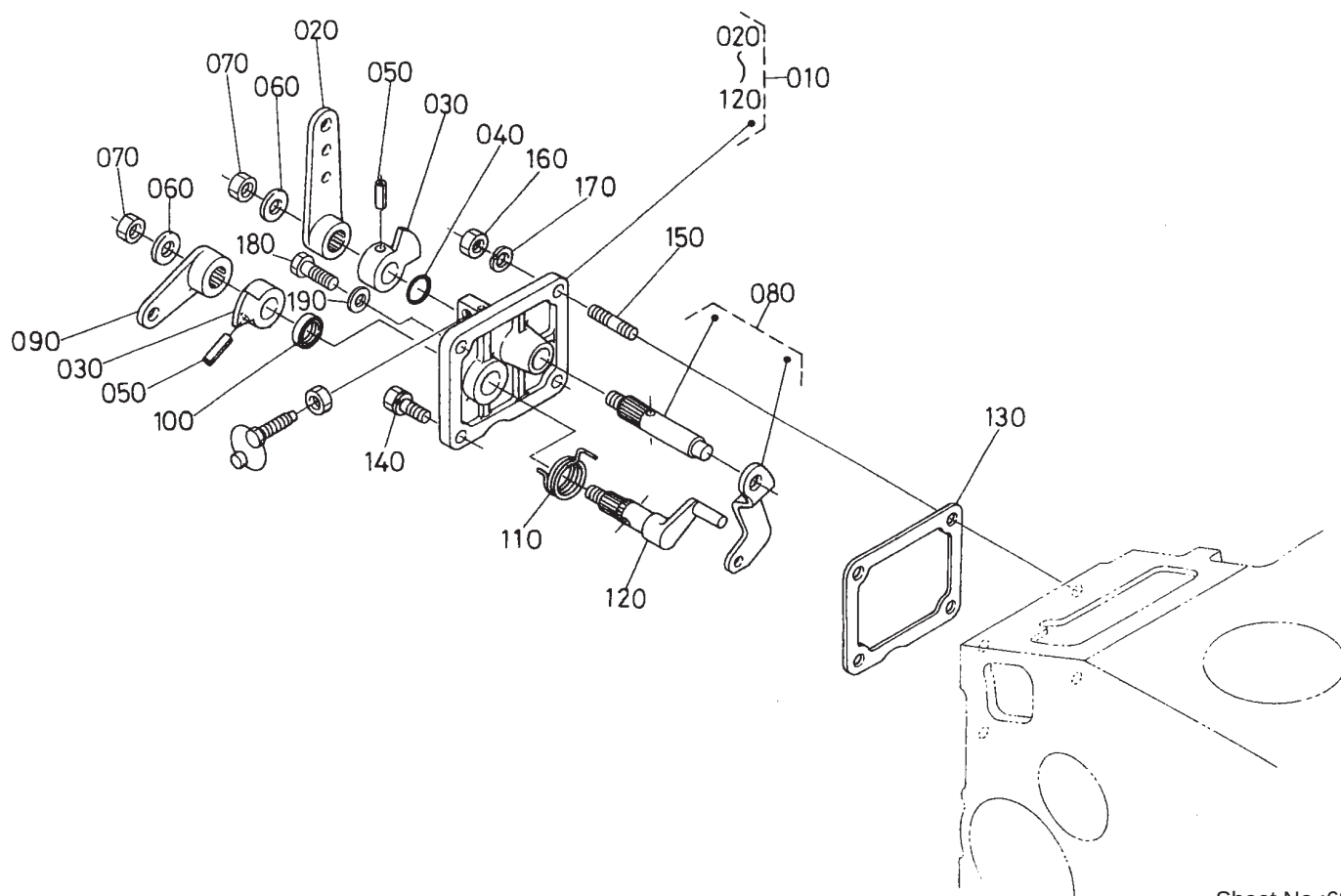


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**Governor Assembly
Engine Assembly No. 104-3448**

Ref. No.	Part No.	Qty.	Description
010	105-3786	1	Spring-Start
020	98-9681	1	Spring-Governor
030	105-3787	1	Fork Lever ASM
040	99-8380	1	Fork Lever ASM
050	105-3743	1	Lever-Fork
060	98-9566	1	Shaft-Lever, Fork
070	98-9593	1	Washer-Plain
080	98-9570	1	Bearing-Miniaturize
090	98-9369	1	Clip-Circular, External
100	98-9569	1	Cover-Shaft, Fork Lever
110	98-9682	1	Gasket
120	98-9351	2	Bolt
130	98-9567	1	Collar
140	98-9571	1	Bearing-Miniaturize

Ref. No.	Part No.	Qty.	Description



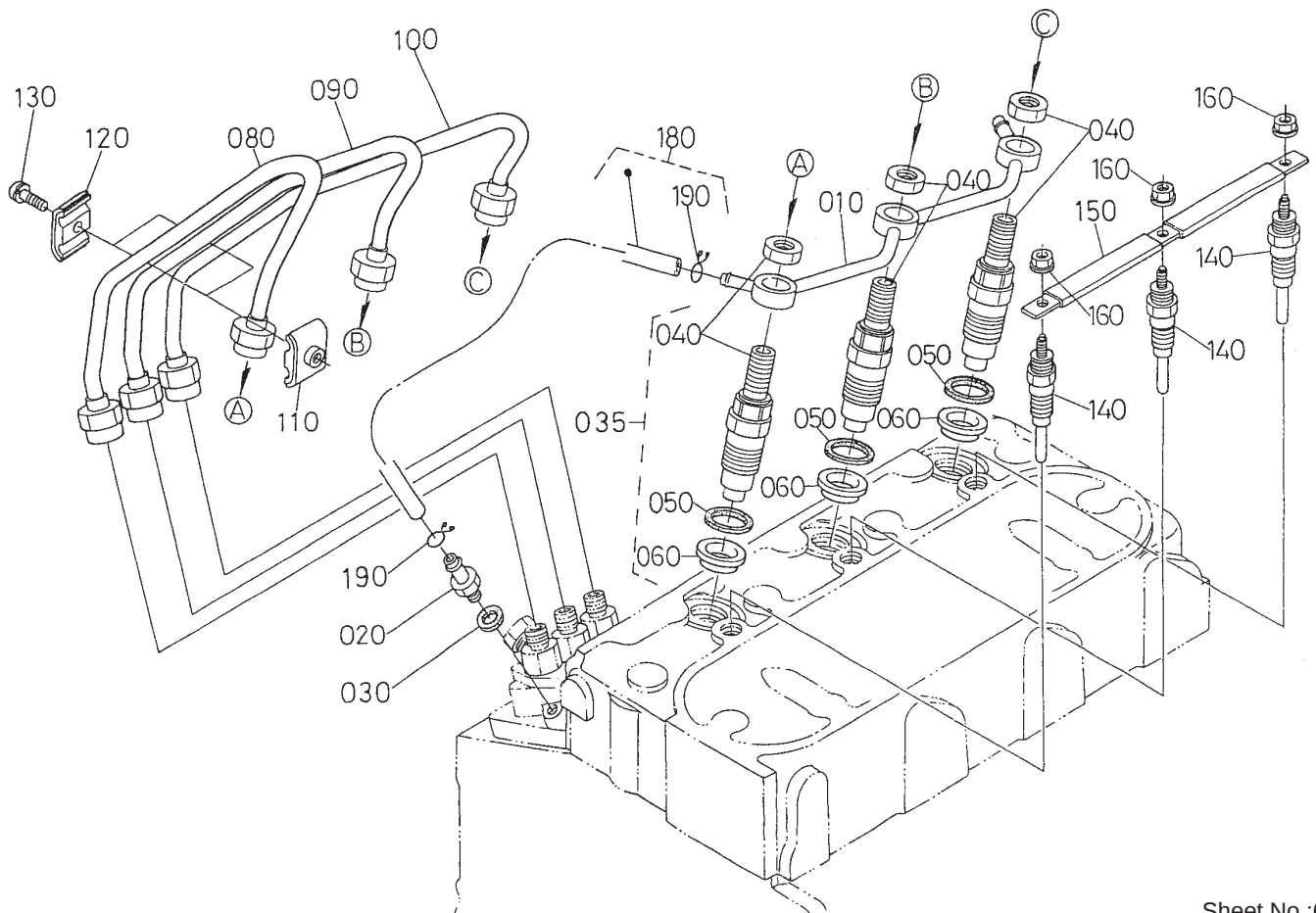
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Speed Control Plate Assembly

Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9661	1	Control Plate ASM
020	98-9662	1	Lever-Control, Speed
030	98-9572	2	Lever-Control, Speed
040	105-3788	1	O-Ring
050	98-7602	2	Pin-Spring
060	98-9594	2	Washer-Plain
070	98-9589	2	Nut
080	98-9658	1	Governor Lever ASM
090	98-9663	1	Lever-Stop, Engine
100	98-7601	1	Seal-Oil
110	98-9472	1	Spring-Return
120	98-9664	1	Shaft-Lever, Stop
130	98-9637	1	Gasket
140	98-7692	1	Bolt
150	105-3710	2	Stud
160	98-7572	2	Nut
170	98-7699	2	Washer-Spring
180	99-8348	1	Bolt
190	98-7654	1	Gasket

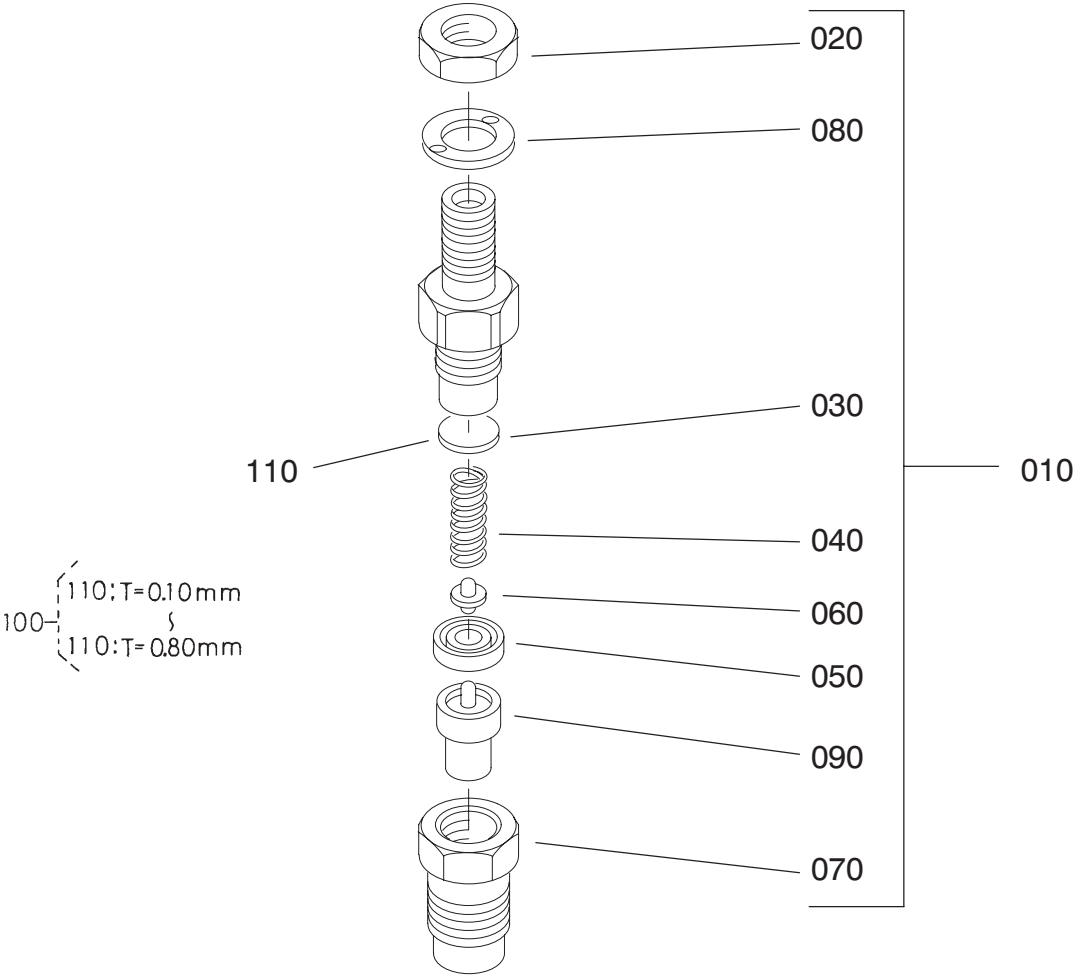
Ref. No.	Part No.	Qty.	Description



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Nozzle Holder Glow Plug Assembly Engine Assembly No. 104-3448

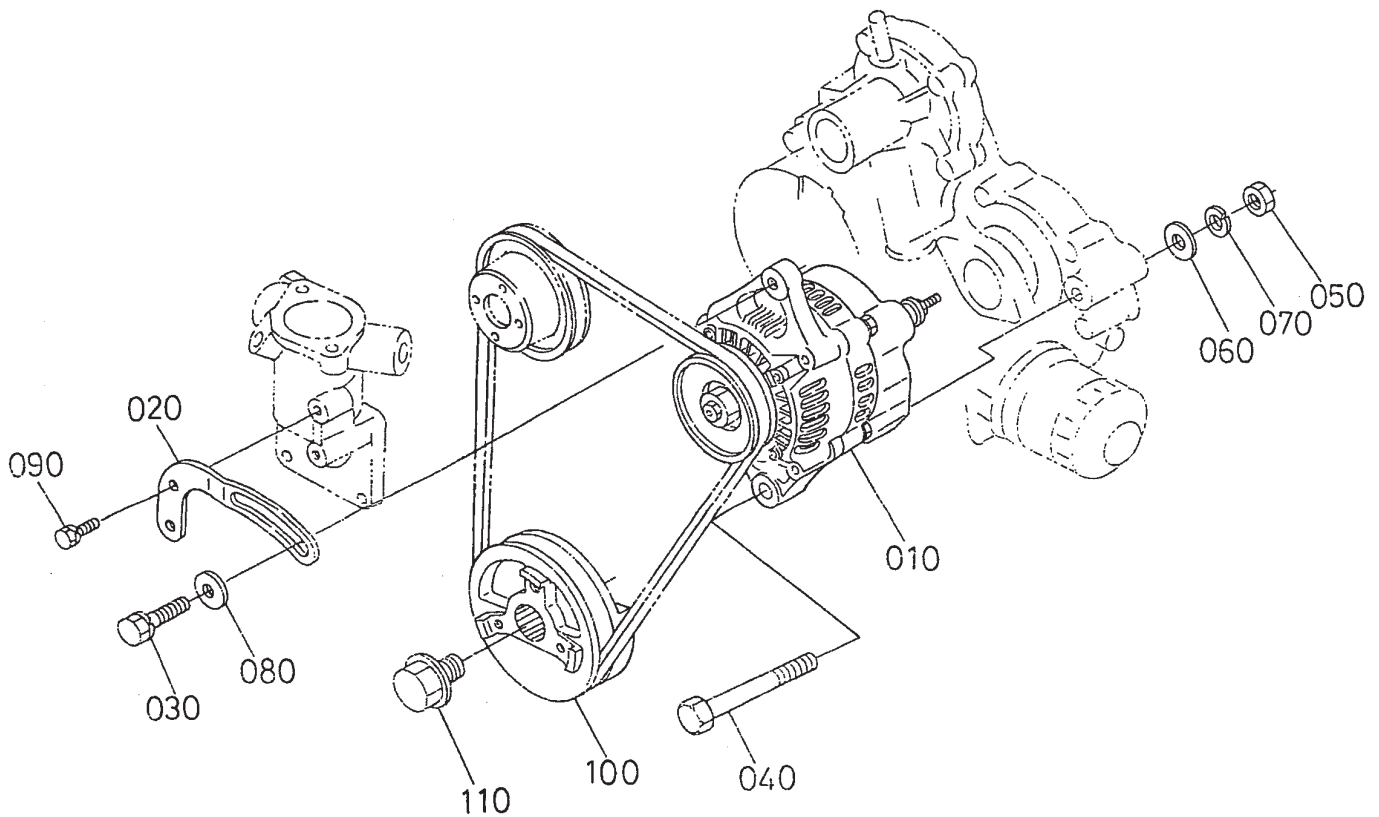
Ref. No.	Part No.	Qty.	Description
010	98-9620	1	Over Flow Pipe ASM
020	98-9431	1	Screw-Bleeder
030	98-7654	1	Gasket
035	105-3740	3	Kit-Holder, Nozzle
040	98-9468	3	Nozzle Holder ASM
050	98-7676	3	Gasket
060	98-7677	3	Seal
080	98-9653	1	Pipe-Injection
090	98-9654	1	Pipe-Injection
100	98-9655	1	Pipe-Injection
110	98-7682	2	Clamp-Pipe
120	98-7683	2	Clamp-Pipe
130	98-7684	2	Screw W/Washer
140	98-9695	3	Plug,Glow
150	98-9631	3	Cord-Plug, Glow
160	99-8377	3	Nut - Flange
180	98-9420	1	Over Flow Pipe ASM
190	98-7671	2	Clip-Pipe



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Nozzle Holder Assembly No. 98-9468
Engine Assembly No. 104-3448

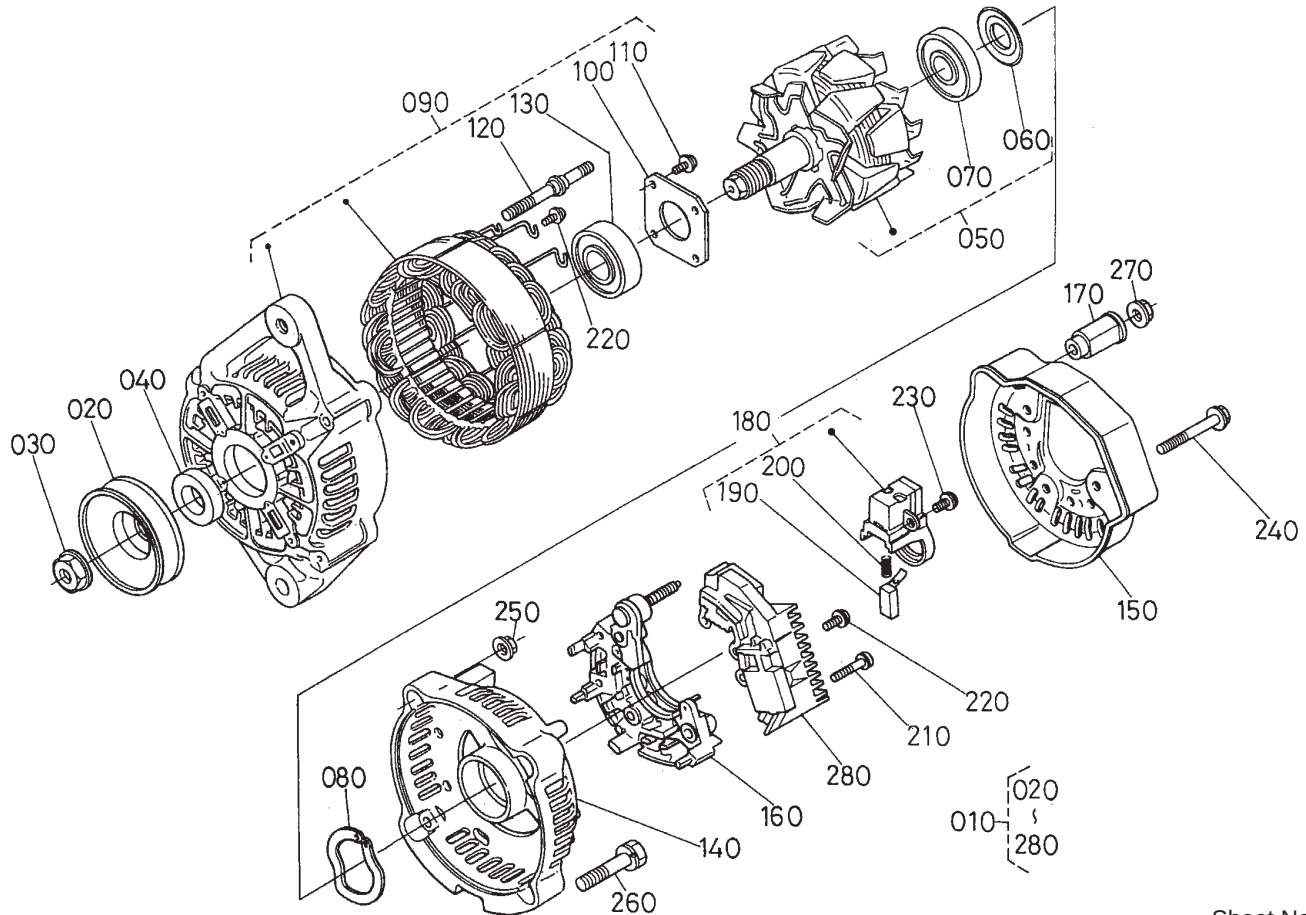
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
010	98-9468	3	Nozzle Holder ASM	110	99-8312	3	Washer-Adjust (0.30mm)
020	99-8301	3	Nut	110	99-8313	3	Washer-Adjust (0.40mm)
030	99-8302	3	Washer-Adjusting	110	99-8314	3	Washer-Adjust (0.50mm)
040	99-8303	3	Spring – Nozzle				
050	99-8304	3	Spacer – Distance				
060	99-8305	3	Rod-Push				
070	99-8306	3	Nut – Nozzle				
080	99-8307	3	Washer-Plain				
090	99-8308	3	Piece – Nozzle				
100	99-8309	3	Adjusting Washer ASM				
110	99-8315	3	Washer-Adjust (0.52mm)				
110	99-8316	3	Washer-Adjust (0.54mm)				
110	99-8317	3	Washer-Adjust (0.56mm)				
110	99-8318	3	Washer-Adjust (0.58mm)				
110	99-8319	3	Washer-Adjust (0.80mm)				
110	99-8310	3	Washer-Adjust (0.10mm)				
110	99-8311	3	Washer-Adjust (0.20mm)				



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Alternator and Pulley Assembly Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9474	1	Alternator ASM
020	98-9573	1	Stay-Dynamo
030	98-7697	1	Bolt
040	98-9360	1	Bolt
050	98-7737	1	Nut
060	3256-24	1	Washer-Flat
070	98-7738	1	Washer-Spring
080	100-9233	1	Washer-Plain
090	98-7692	1	Bolt
100	98-9473	1	Pulley-Drive, Fan
110	98-9585	1	Bolt

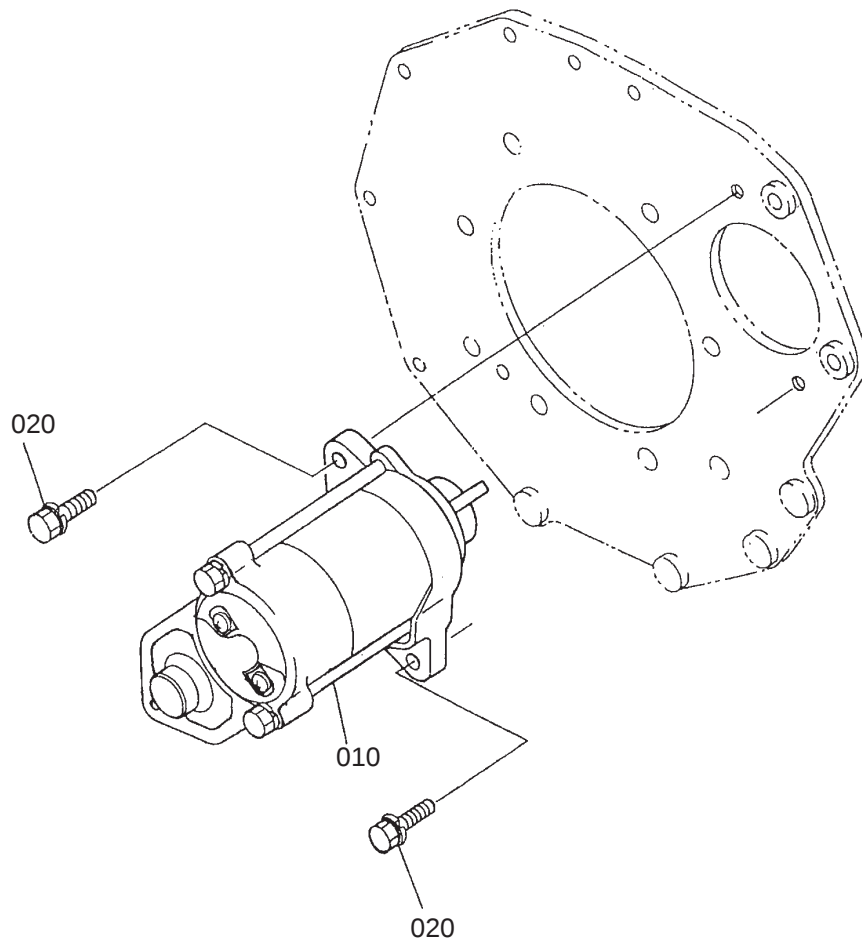


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Alternator Assembly Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9474	1	Alternator ASM
020	98-9453	1	Pulley-Dynamo
030	98-7708	1	Nut
040	98-7709	1	Collar
050	98-7710	1	Rotor
060	98-7711	1	Cover-Bearing
070	98-7712	1	Bearing-Ball
080	98-7713	1	Washer-Thrust
090	98-7714	1	Frame-End, Drive
100	98-7715	1	Plate-Retainer
110	98-7716	4	Screw-Head, Round
120	98-7717	2	Bolt-Through
130	98-7718	1	Bearing-Ball
140	98-7719	1	Frame-End
150	98-7720	1	Cover-End
160	98-7721	1	Rectifier ASM
170	98-7722	1	Bushing-Insulation
180	98-7723	1	Holder-Brush
190	98-7724	2	Brush
200	98-7725	2	Spring-Brush
210	98-7726	2	Screw-Head, Round
220	98-7727	6	Screw-Head, Round
230	98-7728	1	Screw-Head, Round
240	98-7729	3	Bolt

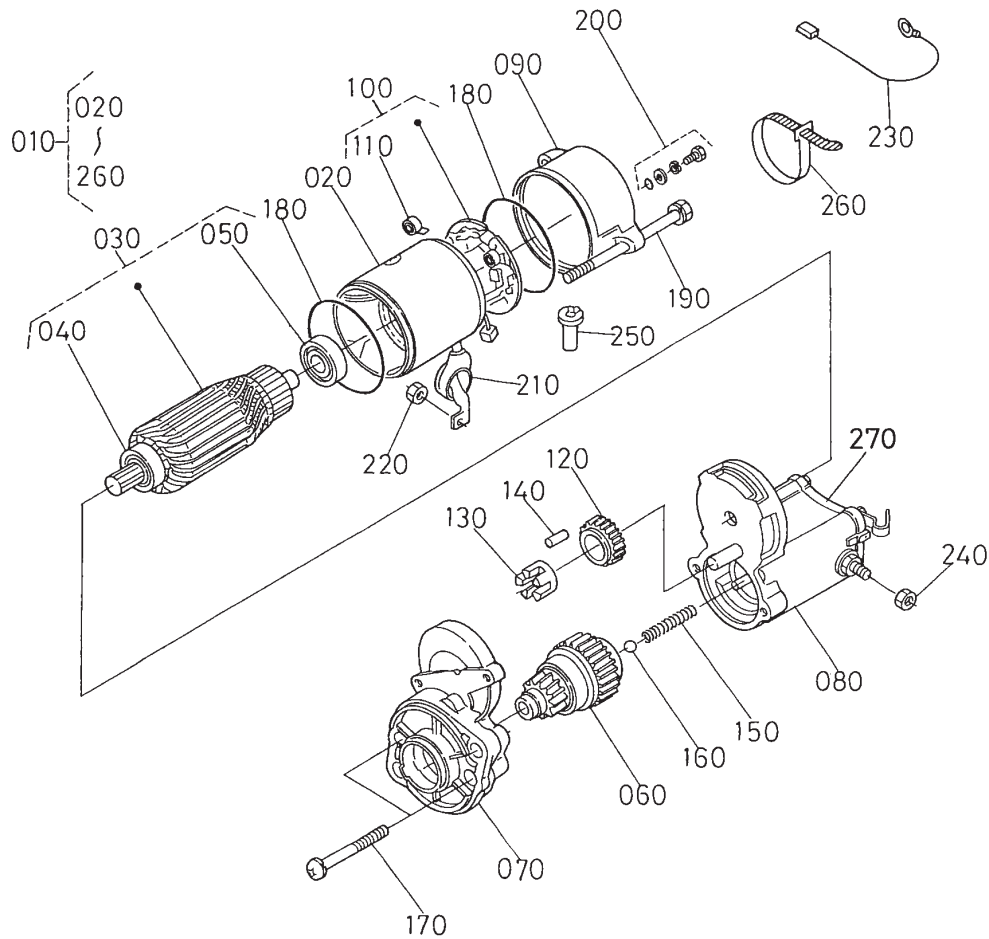
Ref. No.	Part No.	Qty.	Description
250	98-7730	2	Nut
260	98-7731	2	Bolt
270	98-7732	1	Nut
280	98-7733	1	Regulator ASM



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Starter Mount Assembly Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9705	1	Starter ASM
020	98-7697	2	Bolt

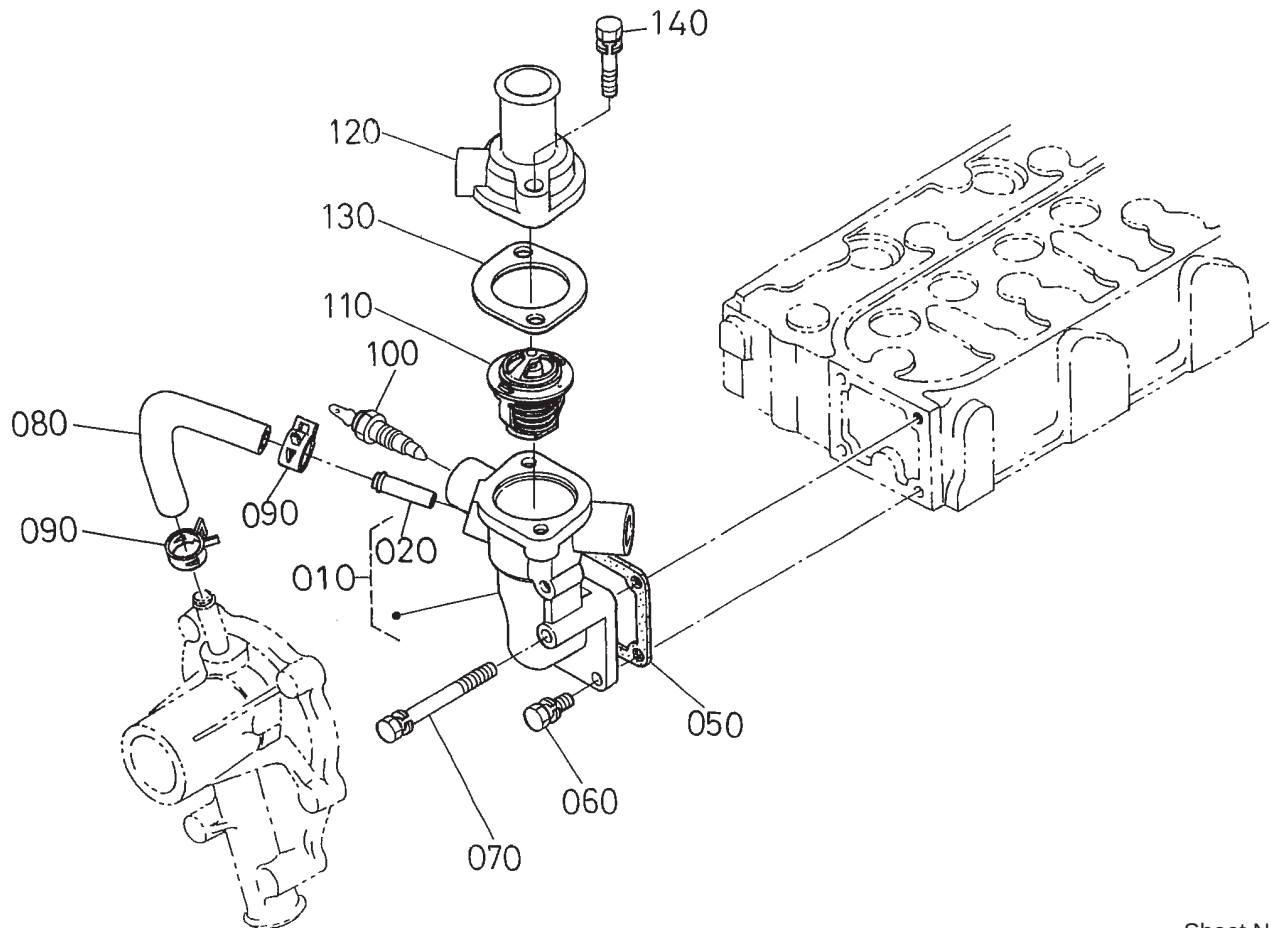


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Starter Assembly No. 98-9705 Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9705	1	Starter ASM
020	104-8608	1	Yoke ASM
030	98-7742	1	Armature ASM
040	98-7744	1	Bearing
050	98-7743	1	Bearing
060	99-8373	1	Clutch-Running, Over
070	99-8374	1	Frame-End, Drive
080	105-3746	1	Magnetic Switch ASM
090	98-7748	1	Frame-End
100	98-7749	1	Brush Holder ASM
110	98-7750	4	Spring-Brush
120	98-7751	1	Gear
130	98-7752	1	Retainer
140	98-7753	5	Roller
150	98-7754	1	Spring
160	98-7755	1	Ball
170	98-7756	2	Bolt
180	98-7757	2	O-Ring
190	100-9240	2	Bolt
200	98-7758	2	Bolt ASM
210	99-8375	1	Cover
220	99-8371	1	Nut-Hex
230	98-9711	1	Cord-Solenoid, Stop
240	99-8376	1	Nut - Hex

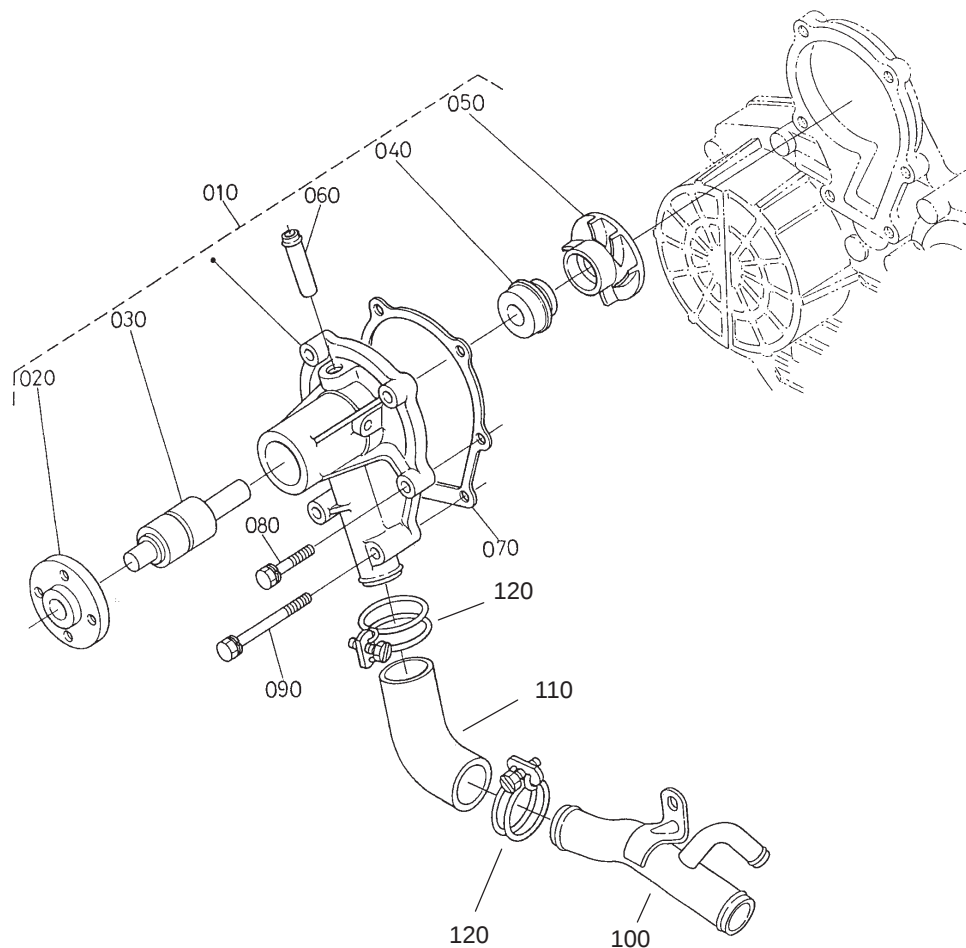
Ref. No.	Part No.	Qty.	Description
250	98-7759	1	Pipe-Drain
260	98-9712	1	Band-Cover
270	105-2886	1	Cover ASM



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Water Flange and Thermostat Assembly Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9713	1	Water Flange ASM
020	98-9580	1	Pipe-Return, Water
050	98-9638	1	Gasket-Flange, Water
060	98-7692	3	Bolt
070	98-9356	1	Bolt
080	98-9578	1	Pipe-Return, Water
090	98-9579	2	Band-Pipe
100	98-9719	1	Thermoswitch
110	98-7778	1	Thermostat ASM
120	98-9471	1	Cover-Thermostat
130	105-3748	1	Gasket-Thermostat
140	98-7777	2	Bolt



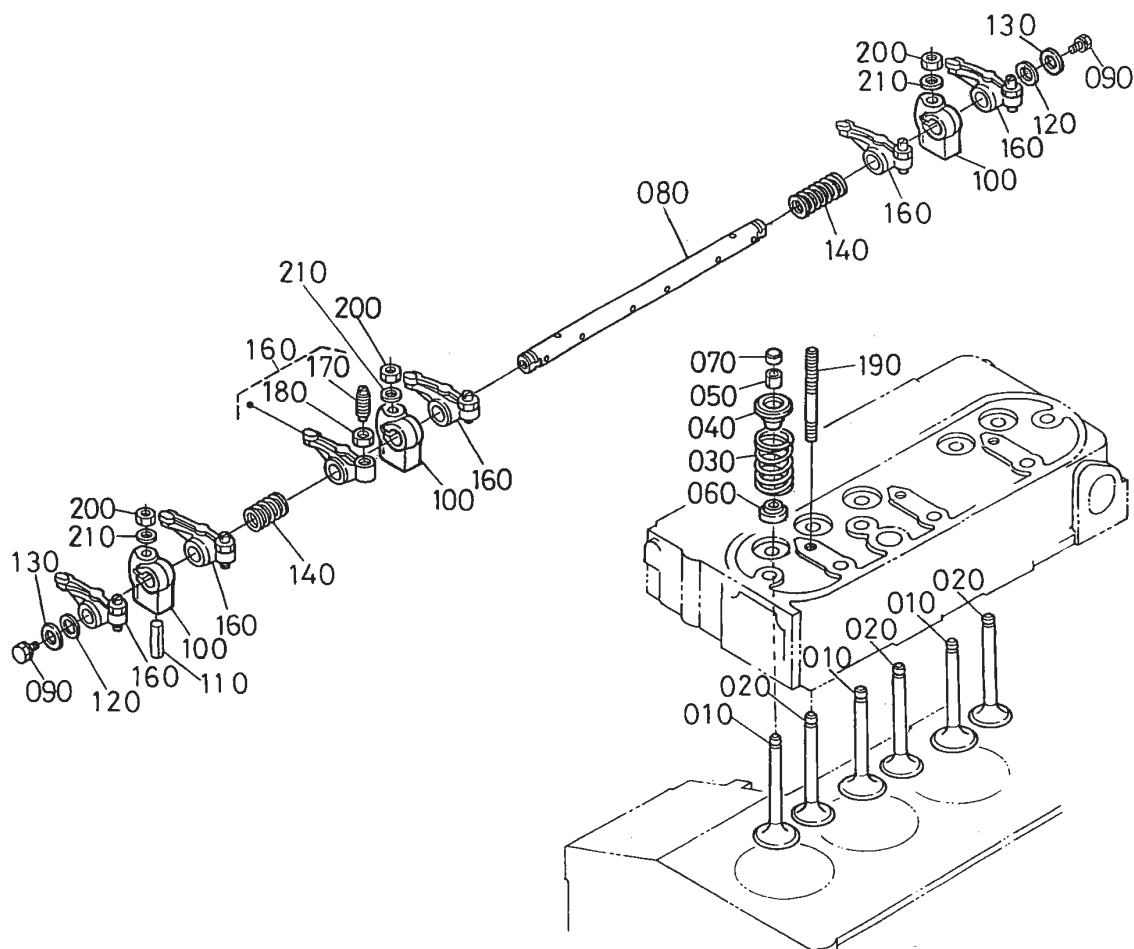
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Water pump and Water Pipe Assembly

Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9575	1	Water Pump ASM
020	98-9582	1	Flange-Pump, Water
030	98-9583	1	Bearing
040	98-9576	1	Mechanical Seal ASM
050	98-9581	1	Impeller-Pump, Water
060	98-9577	1	Pipe-Return, Water
070	98-9632	1	Gasket, Water Pump
080	105-3789	1	Bolt
090	98-9357	4	Bolt
100	98-9716	1	Pipe-Water
110	98-9574	1	Pipe-Water
120	98-9717	2	Clamp

Ref. No.	Part No.	Qty.	Description

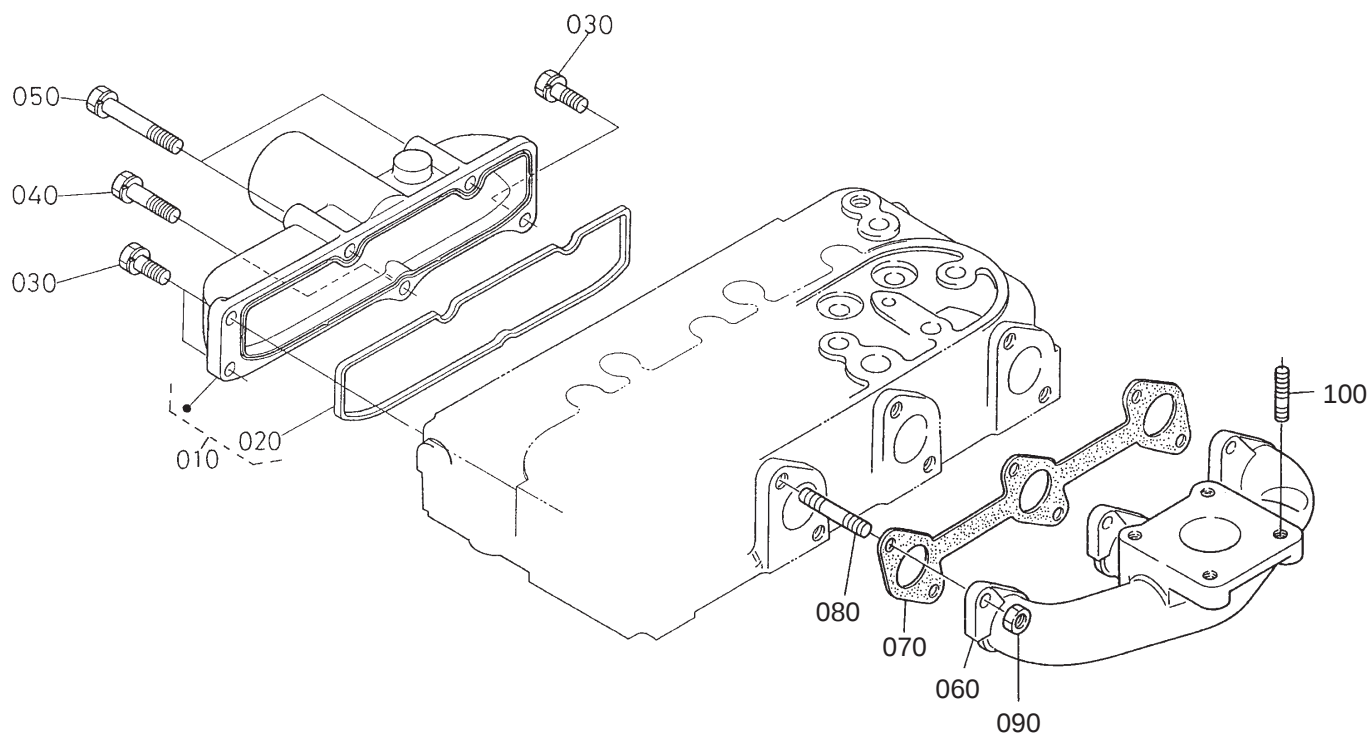


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Valve and Rocker Arm Assembly Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	98-9494	3	Valve-Inlet
020	98-9495	3	Valve, Exhaust
030	98-9648	6	Spring, Valve
040	98-9498	6	Retainer-Valve
050	98-9390	6	Collet-Set, Valve Spring
060	99-8385	6	Seat-Stem, Valve
070	98-9497	6	Cap-Valve
080	105-3790	1	R-Arm Shaft ASM
090	100-9265	2	Bolt
100	98-9505	3	Bracket-Arm, Rocker
110	98-7602	1	Pin-Spring
120	98-9507	2	Washer-Shaft, R-Arm
130	3256-1	2	Washer-Flat
140	98-9504	2	Spring-Arm, Rocker
160	98-9501	6	Rocker Arm ASM
170	98-9502	6	Screw, Adjusting
180	98-9503	6	Nut
190	98-9506	3	Stud
200	98-9393	3	Nut
210	98-9385	3	Washer - Flat

Ref. No.	Part No.	Qty.	Description



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Inlet and Exhaust Manifold Assembly Engine Assembly No. 104-3448

Ref. No.	Part No.	Qty.	Description
010	105-3791	1	Inlet Manifold ASM
020	98-9609	1	Gasket
030	98-7605	3	Bolt
040	98-9353	1	Bolt
060	98-9718	1	Manifold – Exhaust
070	98-9610	1	Gasket
080	98-9588	6	Stud
090	98-9665	6	Nut
100	98-7769	4	Stud

Ref. No.	Part No.	Qty.	Description

Maintenance Record

[illegible]

Maintenance Record

[illegible]

Maintenance Record

[illegible]

