



Dingo 320-D

Compact Utility Loader

Model No. 22303—990001 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.

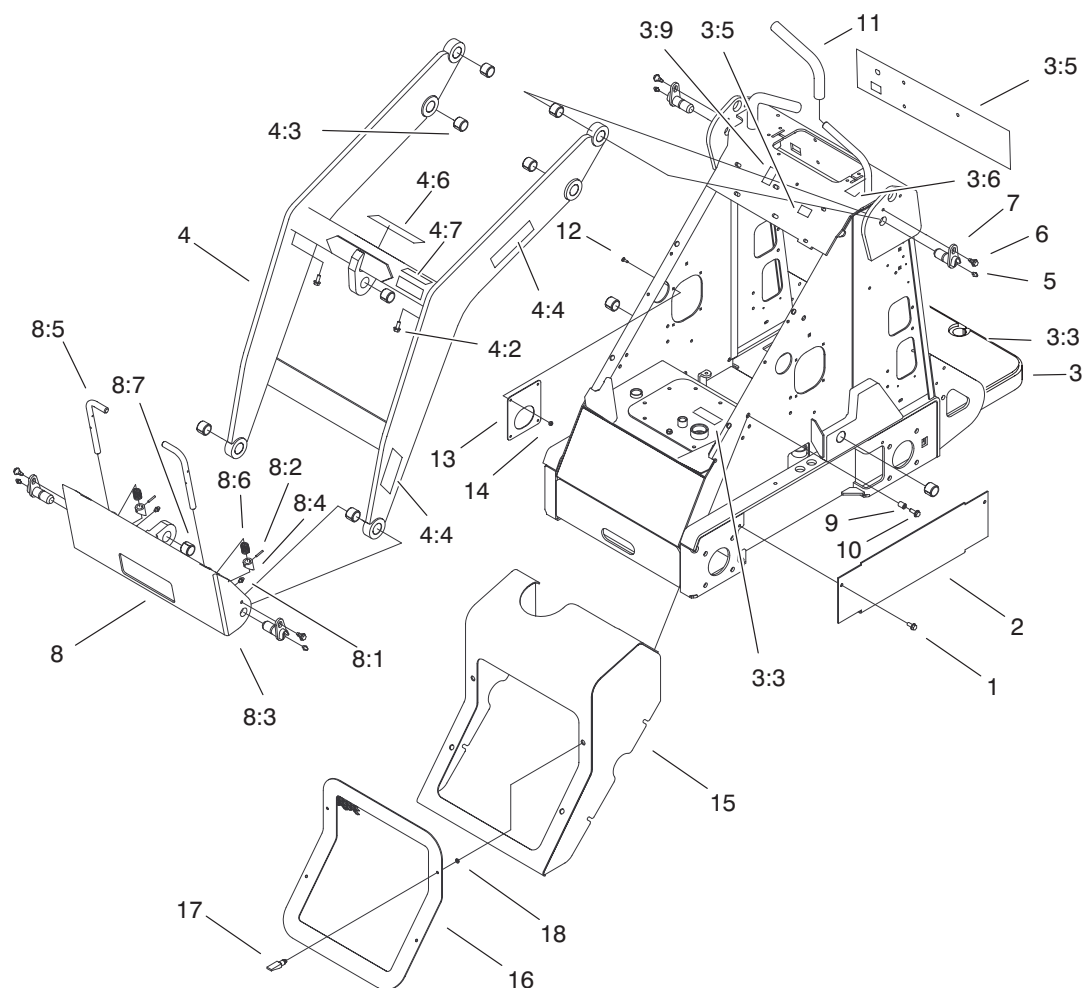
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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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



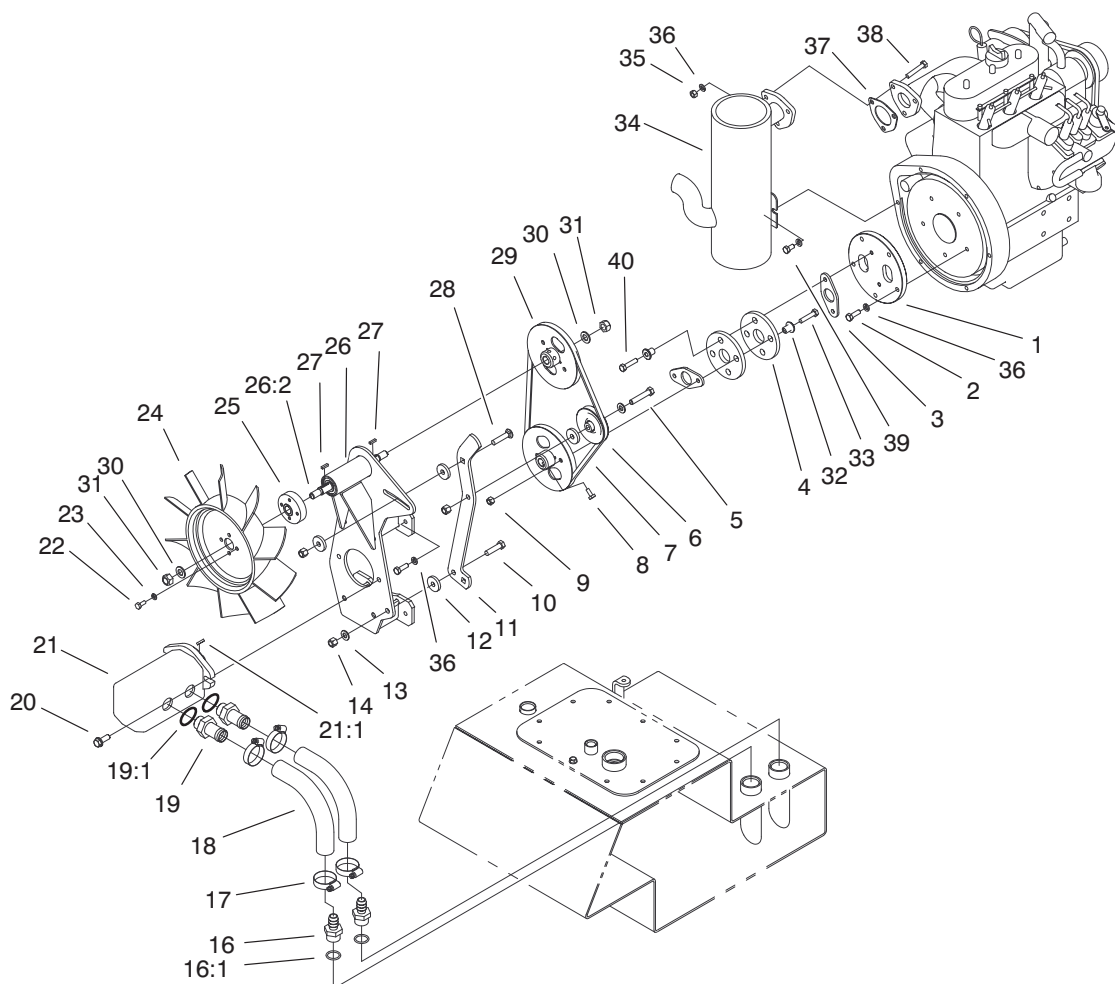
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C-2870

Frame and Loader Arm Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	32144-70	6	Screw-HH	6	99-5105	4	Screw-Shoulder
2	99-3020-01	2	Cover-Hose	7	99-1414	4	Pin-Pivot
3	99-3154	1	Frame & Decal ASM	8	98-4690	1	Quick Attach ASM
3:2	98-4871	2	Bushing-Tension	8:1	302-5	2	Fitting-Lube
3:3	98-9947	2	Tread-Foot	8:2	32121-94	2	Pin-Special
3:5	100-1706	1	Decal-Panel, Control	8:3	98-4691-03	1	Mount-Attach, Quick
3:6	98-8219	1	Decal-Throttle	8:4	98-4692	2	Cam-Attach, Quick
3:7	100-1703	1	Decal-Limiter, Speed	8:5	100-3373	2	Pin-Qtach
3:8	93-6686	1	Decal-Oil, Hydraulic	8:6	98-4694	2	Spring-Compression
3:9	98-8235	1	Decal-Selector	8:7	98-4871	1	Bushing-Tension
*3:10	100-1704	1	Decal-Power, Auxiliary	9	32148-7	4	Nut-Insert
4	99-3156	1	Loader ASM	10	3234-29	4	Screw-HHF
4:2	32144-70	2	Screw-HH	11	98-4845	2	Grip-Cushion
4:3	98-4871	7	Bushing-Tension	12	3229-34	4	Bolt-CARR
4:4	93-9367	4	Decal-Warning	13	99-1427-03	1	Guard-Muffler
*4:5	100-1701	1	Decal-Danger	14	3296-2	4	Nut-Lock
4:6	100-1702	1	Decal-Caution	15	99-5126-03	1	Hood ASM
4:7	99-3088	2	Decal-No Riders	16	99-3034-03	1	Cover ASM
5	302-5	4	Fitting-Lube	17	74-5950	4	Latch-Swell
				18	99-3058	4	Washer

* Not Illustrated



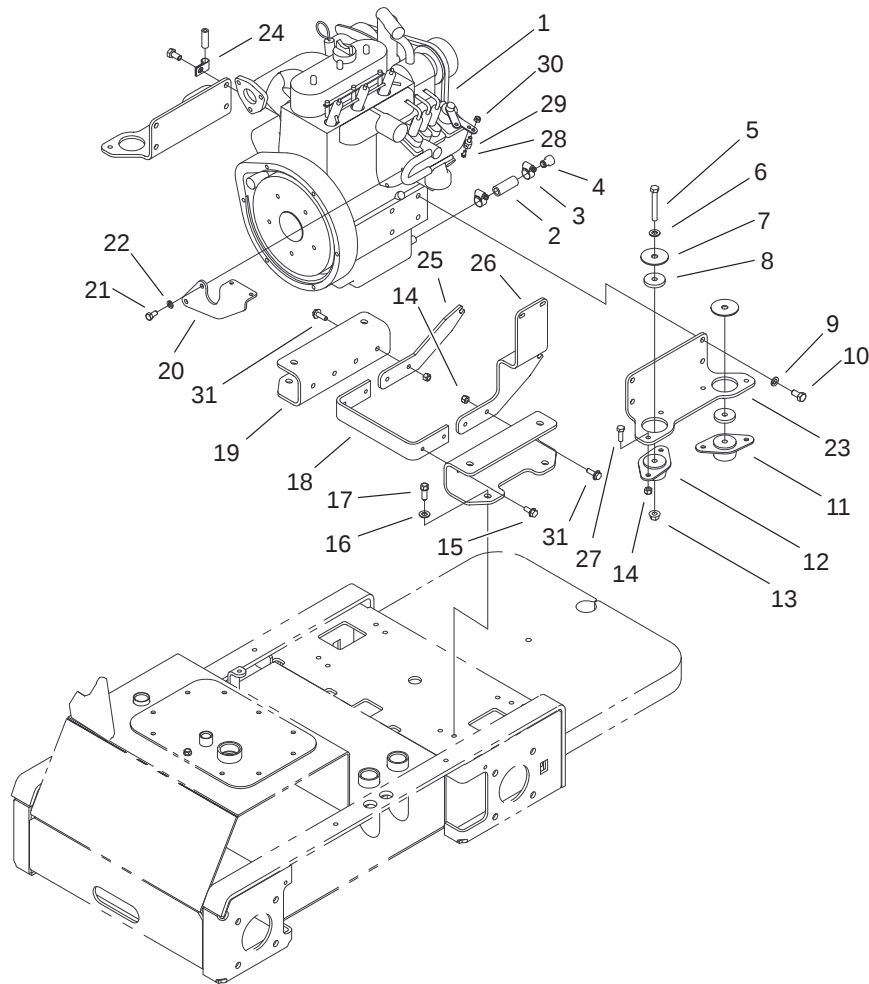
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Pump and Fan Mount Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	99-1431	1	Adapter-Flywheel	23	3253-3	4	Washer-Lock/Sp
2	99-5131	9	Bolt	24	99-5119	1	Fan
3	99-1430	2	Spacer-Coupler	25	99-1439	1	Adapter-Fan
4	44-2230	2	Coupling-Rubber	26	99-1449	1	Pump Mount ASM
5	323-10	1	Screw-HH	26:2	99-5118	1	Shaft-Fan
6	63-8140	1	Pulley-Idler	*26:3	38-7820	2	Bearing-Ball
7	92-8876	1	V-Belt	27	100-1715	2	Key-Square
8	3241-5	2	Screw-Set	28	3231-5	1	Screw-CARR
9	3296-29	2	Nut-Lock	29	99-5111	2	Pulley-Keyed
10	323-8	1	Screw-HH	30	33096-00	2	Washer-Flat
11	100-1727-01	1	Mount-Tensioner	31	3296-19	2	Nut-Lock Ni
12	99-5121	4	Spacer	32	71-4411	4	Spacer
13	3256-24	2	Washer-Flat	33	322-7	2	Screw-HH
14	3296-39	3	Nut-Lock Ni	34	99-1442	1	Muffler-Kubota
16	354-78	2	Connector-Hose	35	3217-6	3	Nut-Hex
16:1	237-146	1	O-Ring	36	3253-4	13	Washer-Lock/Sp
17	2412-111	4	Clamp	37	100-2238	1	Gasket-Muffler
18	99-3046	2	Hose-Suction, Formed	38	322-9	3	Screw-HH
19	99-3017	2	Fitting	39	99-5132	1	Bolt
19:1	237-81	1	O-Ring	40	99-5133	2	Bolt
20	66-9300	2	Screw-Flange				
21	98-4702	1	Pump - Gear, Tandem				
21:1	98-4700	1	Key-Square				
*21:2	99-1353	1	Kit-Seal, Pump				
22	321-3	4	Screw-HH				

* Not illustrated

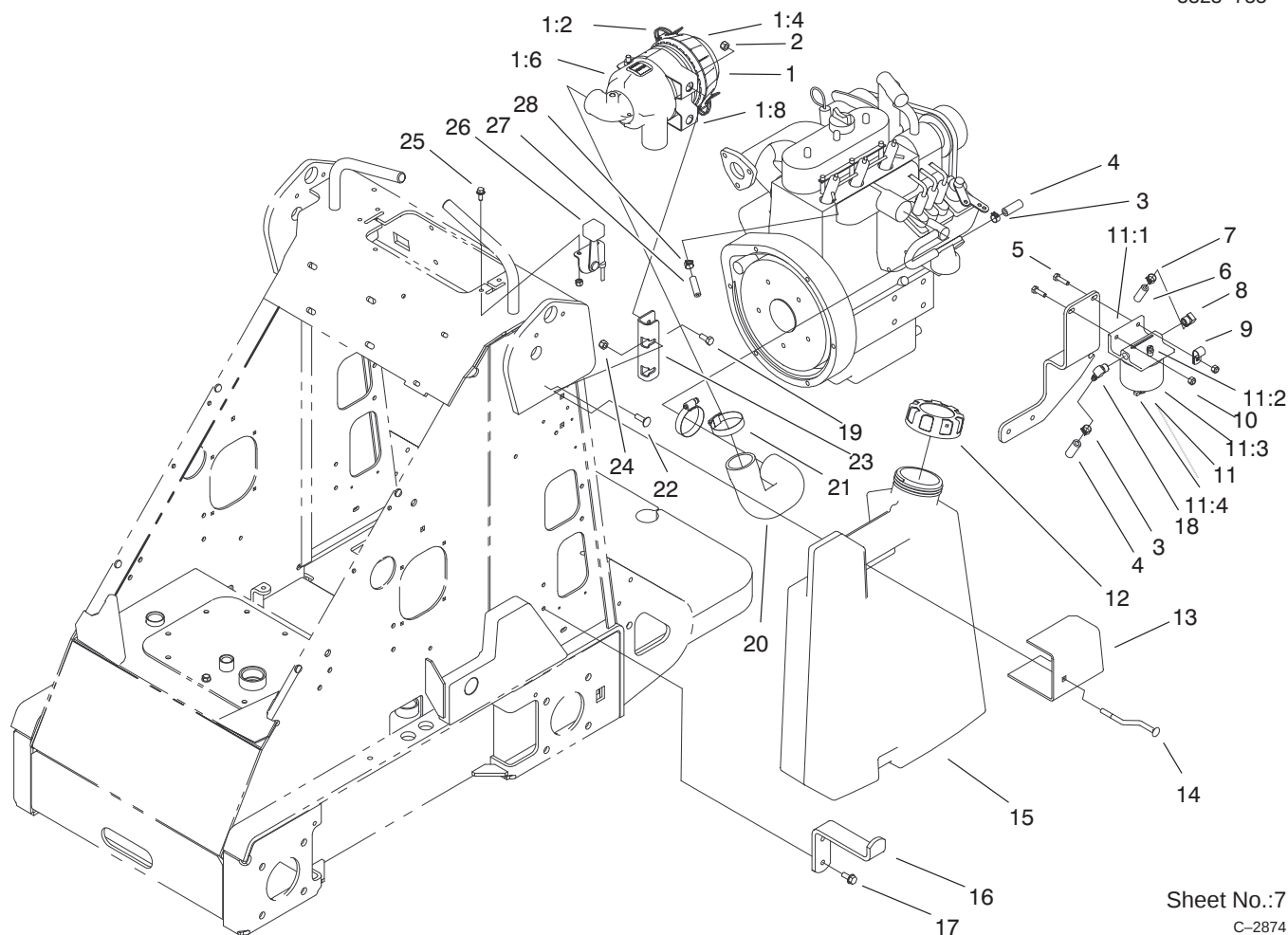


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Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	100-2200	1	Engine-Kubota
2	56-2230	1	Hose-Gas
3	2412-36	2	Clamp-Hose
4	99-1445	1	Plug-Oil, Diesel
5	323-13	4	Screw-HH
6	3256-24	4	Washer-Flat
7	87-5100	4	Washer - Snubbing
8	98-4596	4	Washer-Mount, Engine
9	42-9600	6	Lockwasher-Spring, Mid
10	99-5130	8	Bolt
11	83-1030	2	Mount-Engine
12	93-5265	2	Mount-Engine
13	32128-29	4	Locknut-Flange
14	3296-29	12	Nut-Lock
15	32144-70	4	Screw-HH
16	3256-80	4	Washer-Flat
17	95-1726	4	Screw-Taptite w/Patch
18	99-1429-01	1	Bar-Support, Mount
19	99-1428-01	2	Bar-Brace, Mount
20	99-5007-01	1	Mount-Solenoid
21	99-5132	2	Bolt
22	3253-4	2	Washer-Lock/Sp
23	99-1426-01	2	Mount-Engine

Ref. No.	Part No.	Qty.	Description
24	2412-138	1	Clamp-R
25	99-3081-03	1	Support-Cover
26	99-3082-03	1	Support-Cover
27	322-5	8	Screw-HH
28	25-8640	1	Screw-Machine, HH
29	93-0021	1	Swivel-Cable, Throttle
30	3296-13	1	Nut-Lock Ni
31	3234-29	4	Screw-HHF



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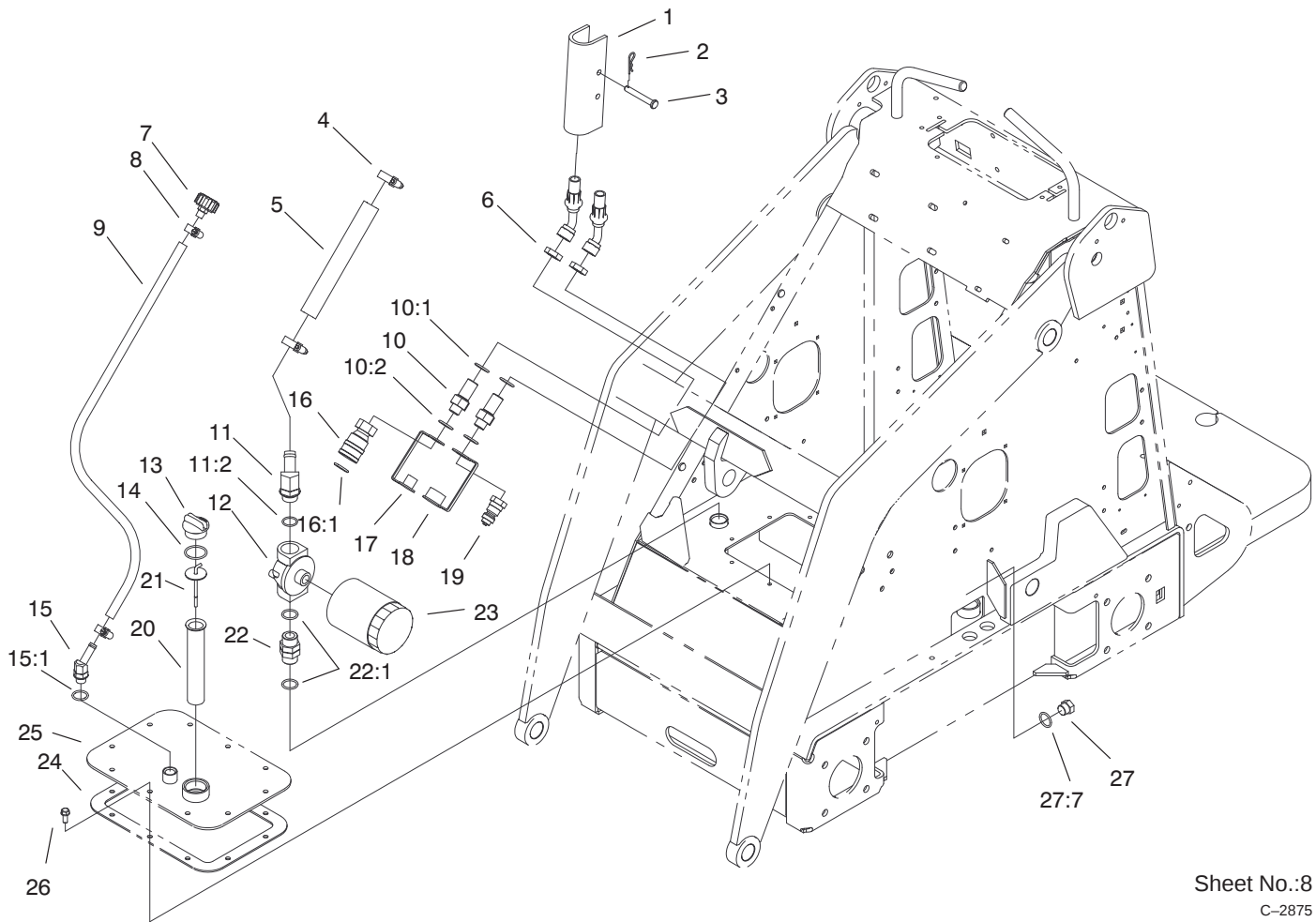
C-2874

Fuel Tank and Air Filter Assembly

Ref. No.	Part No.	Qty.	Description
1	99-3160	1	Air Cleaner ASM
*1:1	99-3173	1	Element-Filter, Air
1:2	99-3174	2	Clip-Cleaner, Air
*1:3	99-3175	1	Valve-Ejector, Dust
1:4	99-3176	1	Cover-Cleaner, Air
*1:5	99-3183	1	Tube ASM
1:6	99-3184	1	Housing-Cleaner, Air
*1:7	99-3198	1	Filter-Safety
1:8	99-3197	1	Filter Mount Bracket ASM
2	3296-29	3	Nut-Lock
3	92-2379	2	Clamp-Hose
4	63-7627	1	Hose-Fuel
5	321-6	2	Screw-HH
6	99-1438	1	Hose-Fuel
7	2412-98	2	Clamp
8	304-96	1	Elbow
9	2412-73	1	Clamp-R
10	3296-42	4	Nut-Lock
11	63-7650	1	Separator-Filter/Water
11:1	63-8280	1	Head ASM
11:2	63-8290	1	Vent-Air
11:3	63-8300	1	Element-Spin-On
11:4	63-8310	1	Valve-Drain
12	98-2710	1	Diesel Fuel Cap ASM
13	99-1444-03	1	Plate-Mount, Left

Ref. No.	Part No.	Qty.	Description
14	98-4657	1	Bolt-Mount
15	99-1425	1	Fuel Tank ASM
*15:3	100-1596	1	Fitting-90°
*15:4	104048	1	Valve-Fuel
16	98-4656-03	1	Mount-Bottom, Tank
17	32144-70	2	Screw-HH
18	353-781	1	Fitting
19	322-3	2	Screw-HH
20	99-5041	1	Hose-Cleaner, Air
21	2412-92	2	Clamp-Hose
22	3230-2	2	Screw-CARR
23	99-3080-03	1	Mount-Cleaner, Air
24	32128-20	2	Nut-HF
25	3234-33	2	Screw-HHF
26	99-1422	1	Control-Throttle
27	76-4420	1	Hose-Line, Fuel
28	2412-146	2	Clamp-Hose

* Not illustrated



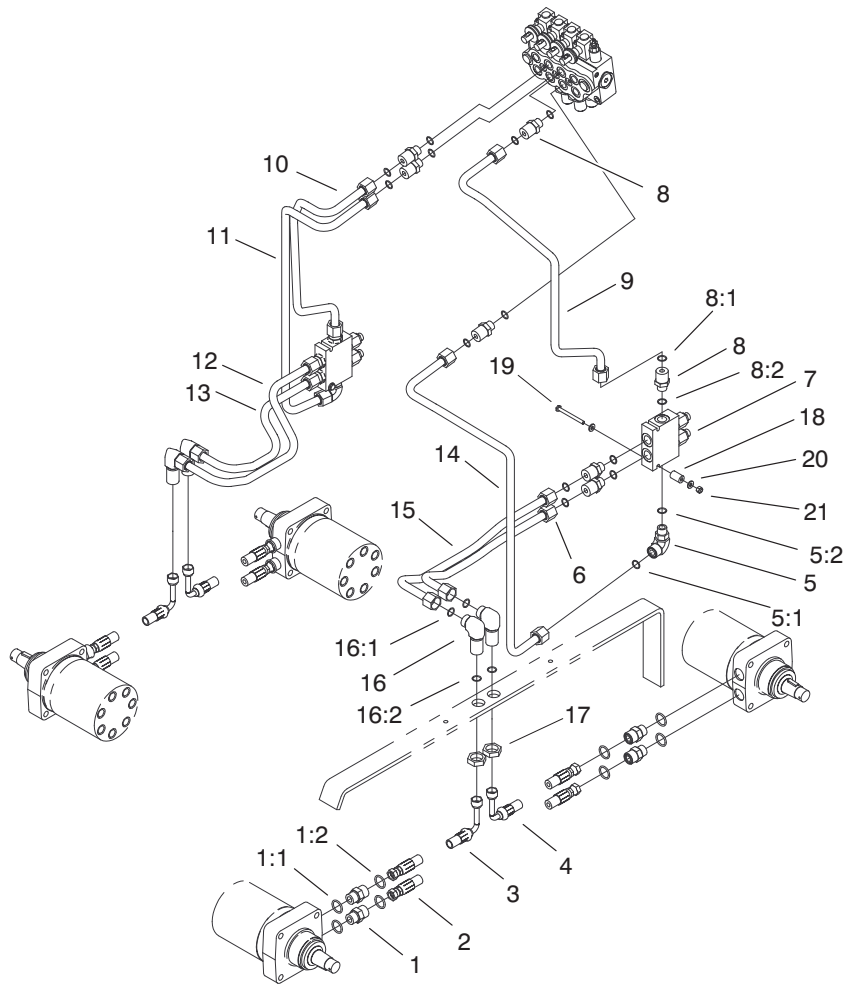
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Hydraulic Tank Assembly

Ref. No.	Part No.	Qty.	Description
1	98-4675-01	2	Lock-Cylinder
2	3290-467	2	Pin-Cotter, Hair
3	283-52	2	Pin-Clevis
4	2412-129	2	Clamp-Hose
5	98-2713	1	Hose-Suction, Hyd
6	340-127	2	Nut-Bulkhead
7	68-6150	1	Breather-Air
8	2412-36	2	Clamp-Hose
9	100-1748	1	Hose-Vent
10	98-9907	2	Union-Bulkhead, Orb
10:1	237-30	1	O-Ring
10:2	237-79	1	O-Ring
11	99-3016	1	Fitting-45°
11:2	237-81	1	O-Ring
12	92-5821	1	Filter Head ASM
13	93-7498	1	Plug-Plastic
14	237-123	1	O-Ring
15	354-126	1	Fitting-Hydraulic, 45
15:1	237-79	1	O-Ring
16	98-4699	1	Female-Disconnect, Quick
16:1	100-4165	1	Seal
17	98-9913	1	Plug-Dust
18	98-9912	1	Cap-Dust
19	98-4698	1	Male-Disconnect, Quick

Ref. No.	Part No.	Qty.	Description
20	61-2790	1	Filter-Screen
21	99-1351	1	Dipstick
22	98-9906	1	Fitting-Thread, Straight
22:1	237-81	2	O-Ring
23	54-0110	1	Filter-Oil, Transmission
24	98-9927	1	Gasket-Cover
25	100-1713-01	1	Cover ASM
26	98-9940	10	Screw
27	353-988	1	Plug-Hex, Hollow
27:7	237-79	1	O-Ring



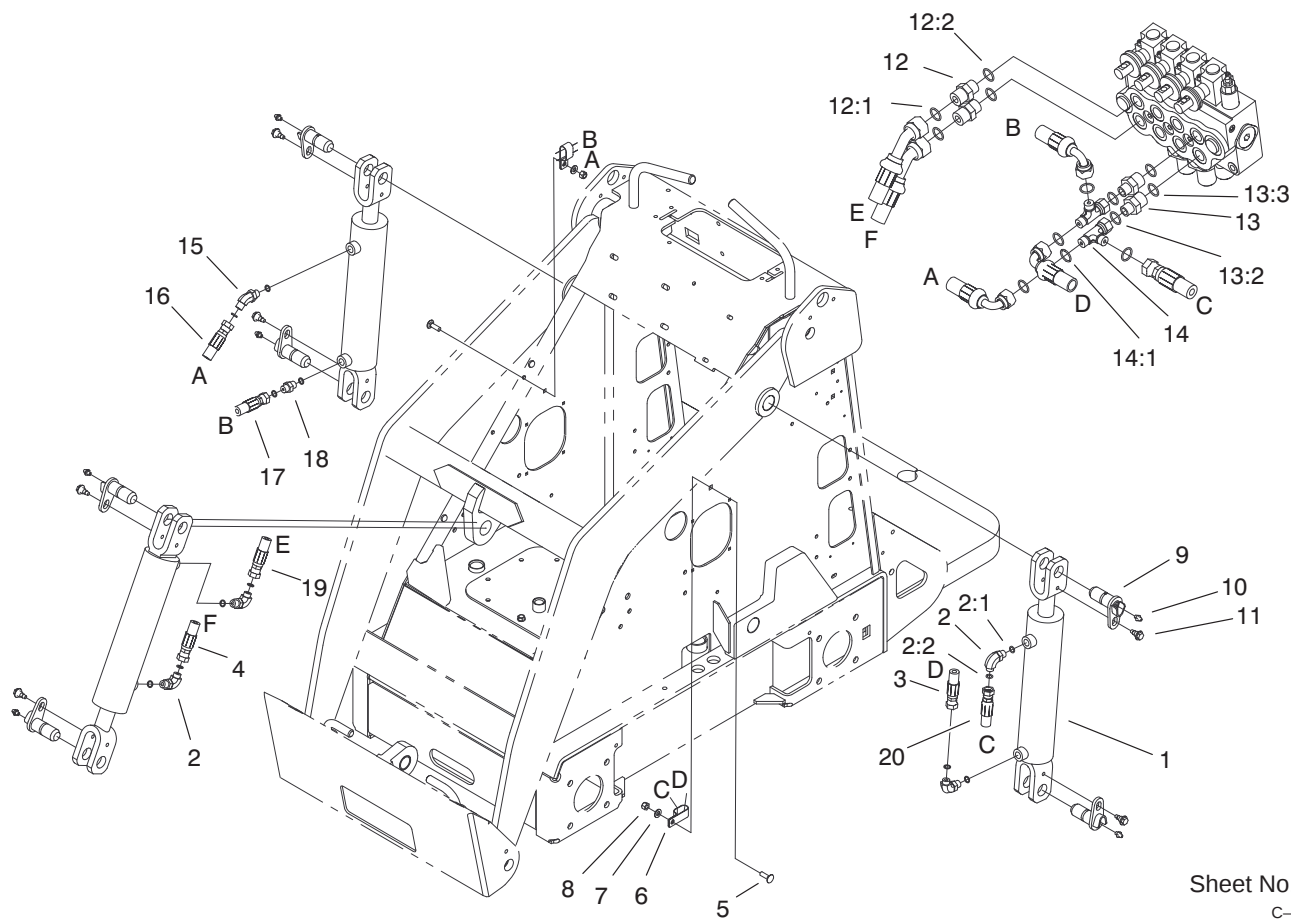
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C-2877

Hydraulic Motor Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	340-7	8	Adapter	17	340-74	4	Locknut-Bulkhead
1:1	237-65	1	O-Ring	18	99-3057	2	Spacer-Valve
1:2	237-80	1	O-Ring	19	321-23	2	Screw-HH
2	99-3012	2	Hose-Motor, Hyd	20	3256-22	4	Washer-Flat
3	99-3010	2	Hose-Motor, Front Hyd	21	3296-42	2	Nut-Lock
4	99-3011	2	Hose-Motor, Rear Hyd				
5	340-153	2	Fitting-Hyd				
5:1	237-79	1	O-Ring				
5:2	237-151	1	O-Ring				
6	99-3022	1	Line-Hyd, Left A1				
7	98-9050	2	Valve-Counterbalance				
*7:1	98-2712	1	Kit-Seal, Valve				
8	340-155	10	Fitting - Hyd				
8:1	237-79	1	O-Ring				
8:2	237-151	1	O-Ring				
9	99-3027	1	Line-Hyd, Left B				
10	99-3024	1	Line-Hyd, Right B				
11	99-3029	1	Line-Hyd, Left A1				
12	99-3025	1	Line-Hyd, Right B1				
13	99-3028	1	Line-Hyd, Right A1				
14	99-3023	1	Line-Hyd, Left A				
15	99-3026	1	Line-Hyd, Left B1				
16	340-72	4	Elbow-Bulkhead Union, 90°				
16:1	237-65	2	O-Ring				

* Not illustrated

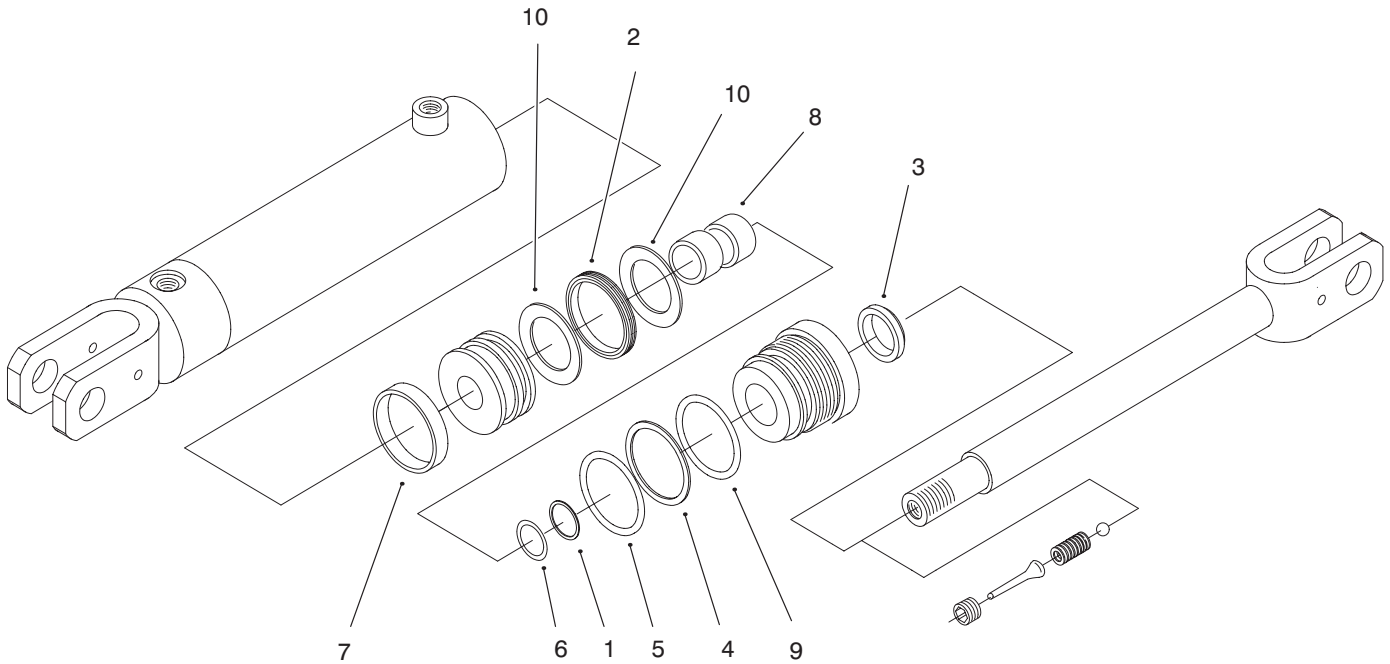


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Hydraulic Cylinder Assembly

Ref. No.	Part No.	Qty.	Description
1	99-3051	3	Cylinder-Hydraulic
2		4	Adapter
2:1	237-42	1	O-Ring
2:2	237-35	1	O-Ring
3	98-4748	1	Hose-Hyd, Pressure Lo
4	98-4726	1	Hose-Hyd, Center Long
5	3230-2	2	Screw-CARR
6	2412-137	2	Clamp-Tube
7	3256-23	2	Washer-Flat
8	3296-29	2	Nut-Lock
9	99-1414	6	Pin-Pivot
10	302-5	6	Fitting-Lube
11	99-5105	6	Screw-Shoulder
12	340-3	2	Adapter
12:1	237-22	1	O-Ring
12:2	237-79	1	O-Ring
13	340-133	2	Adapter
13:2	237-78	1	O-Ring
13:3	237-35	1	O-Ring
14	340-151	2	Fitting
14:1	237-75	3	O-Ring
15	340-137	1	Fitting
16	98-4725	1	Hose-Loader, Hyd
17	100-1731	1	Hose-Hyd, Right

Ref. No.	Part No.	Qty.	Description
18	340-1	1	Adapter
19	98-4727	1	Hose-Hyd, Center Straight
20	99-3109	1	Hose-Loader, Hyd.



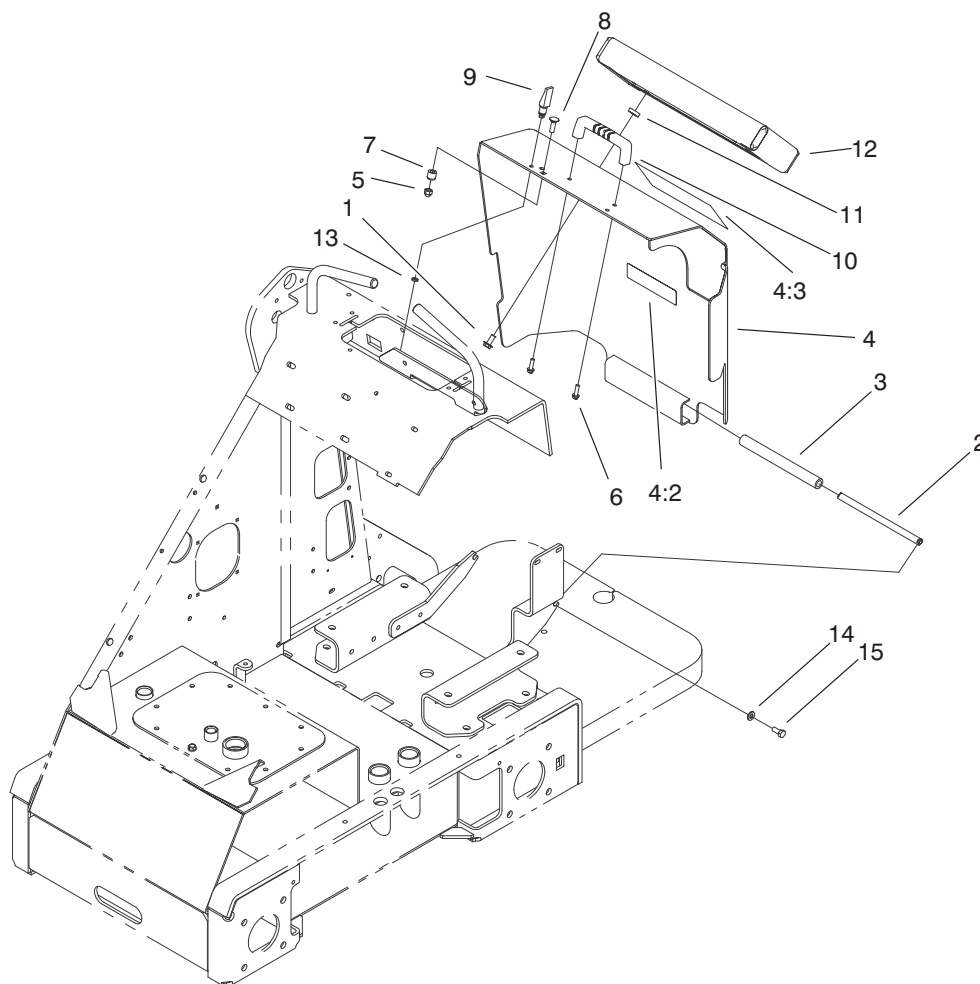
Sheet No.:A1

Hydraulic Cylinder No. 99-3051

Ref. No.	Part No.	Qty.	Description
†1	99-3065	1	Washer-Backup
†2		1	PSP Seal
†3		1	Rod-Wiper
†4		1	Washer-Backup
†5		1	O-Ring
†6		1	Polypak
†7		1	Wear Ring
†8		2	Wear Ring
†9		1	O-Ring
†10		2	Washer-Backup
*		1	Seal Kit (Incl. Ref. #1-10)

Ref. No.	Part No.	Qty.	Description

* Not illustrated
† Not Serviced Separately



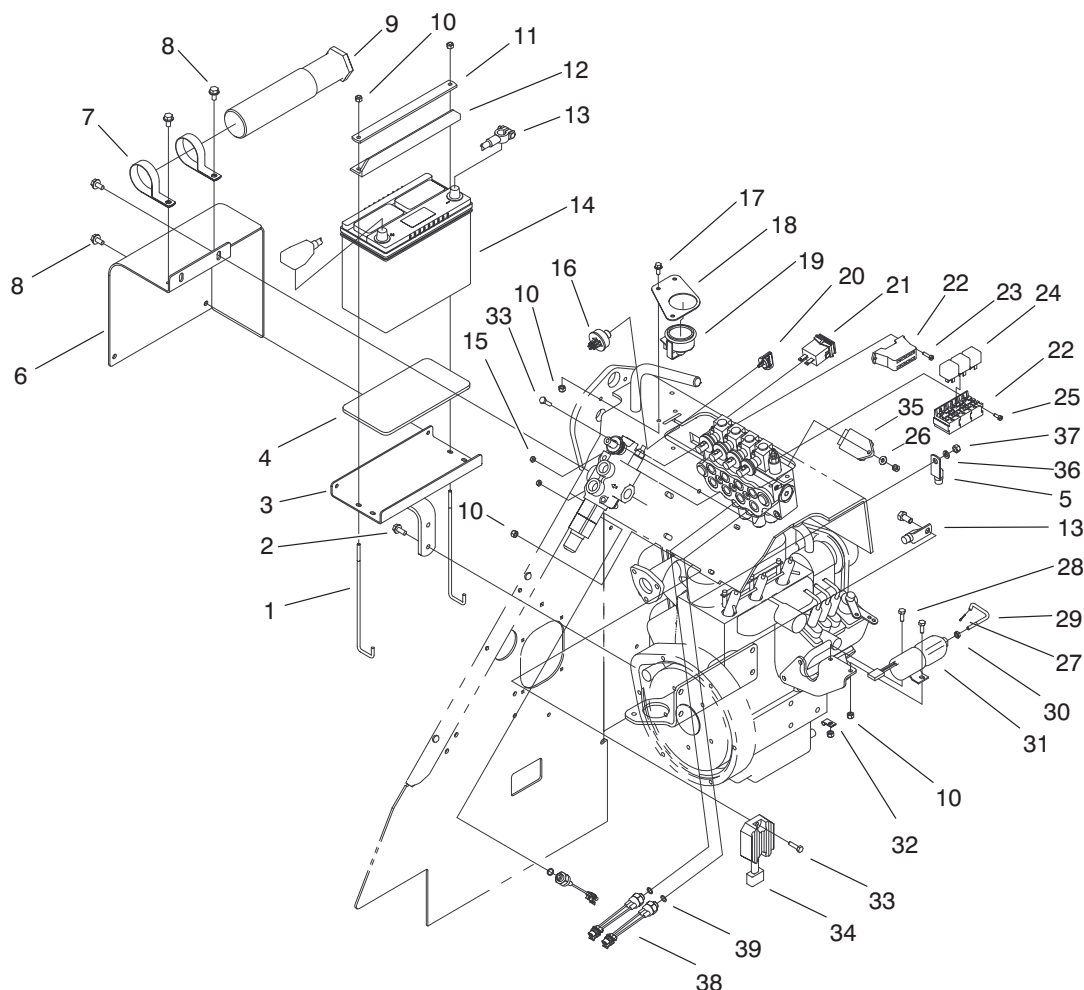
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Rear Cover Assembly

Ref. No.	Part No.	Qty.	Description
1	3234-29	4	Screw-HHF
2	99-3083	1	Bar-Hinge
3	99-3085	1	Hose-Hinge
4	100-2191	1	Cover ASM
4:2	93-7814	1	Decal-Danger
4:3	100-1701	1	Decal-Danger
5	32111-8	1	Locknut-Acorn
6	46-8091	2	Special-HWH
7	99-3035	1	Spacer-Guide
8	3230-2	1	Screw-CARR
9	74-5950	2	Latch-Swell
10	65-5100	1	Handle-Door
11	26-4840	4	Spacer-Pin, Mtg
12	99-3101	1	Cover-Pad
13	99-3058	2	Washer
14	3256-23	2	Washer-Flat
15	322-3	2	Screw-HH

Ref. No.	Part No.	Qty.	Description

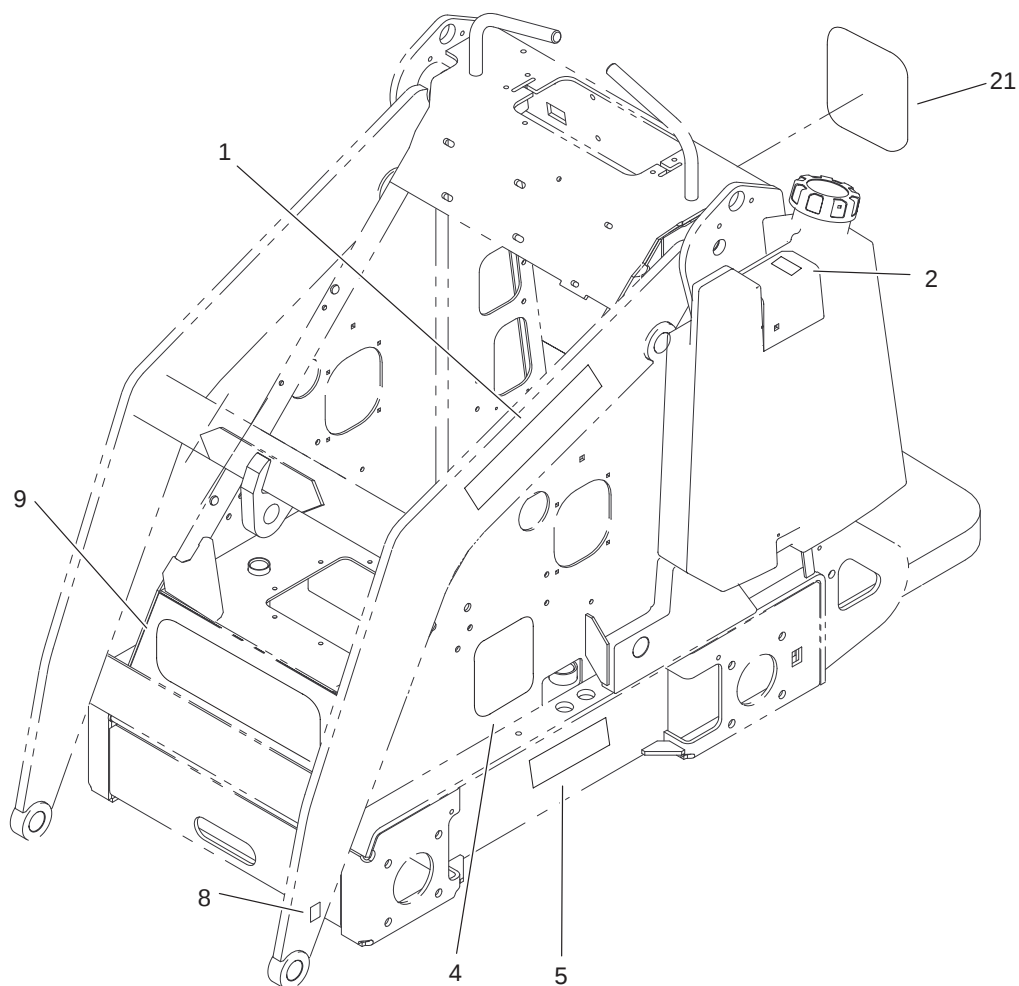


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Electrical Components Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	99-5035	2	Retainer-Battery	24	98-7249	3	Relay-Spdt
2	32144-70	2	Screw-HH	25	32105-8	2	Screw
3	99-5034-03	1	Mount-Battery	26	3256-22	1	Washer-Flat
4	99-5030	1	Pad-Battery	27	3272-1	1	Pin-Cotter
5	100-1708	1	Cable-Battery, Positive	28	321-4	2	Screw-HH
6	100-1721-03	1	Cover-Battery	29	99-1423	1	Rod-Linkage, Threaded
7	2412-133	2	R-Clamp	30	3220-1	1	Nut-Jam
8	32144-14	6	Screw-HWH	31	99-5006	1	Solenoid-Kubota
9	74-0720	1	Tube-Manual	32	2412-31	1	Clamp-Boden
10	3296-42	10	Nut-Lock Ni	33	321-6	3	Screw-HH
11	99-5008-01	1	Retainer-Battery	34	100-2057	1	Regulator ASM
12	99-5039	1	Retainer-Battery	35	98-7611	1	Controller-Glow, F/W
13	100-1709	1	Cable-Battery, Negative	36	100-2215	1	Washer-Spring
14	99-1441	1	Battery	37	100-2171	1	Nut-Hexagon
15	3296-12	4	Nut-Lock	38	72-4310	3	Switch
16	111216	1	Ignition Switch ASM	39	237-42	3	O-Ring
17	3234-33	3	Screw-HHF				
18	100-1707-01	1	Mount-Lamp, Warning				
19	100-1732	1	Cluster-Lamp				
20	63-8360	2	Key-Ignition w/Shield				
21	94-4208	1	Hourmeter				
22	99-5134	1	Harness-Wire, Dingo Kubota				
23	32105-13	2	Screw-Shh				

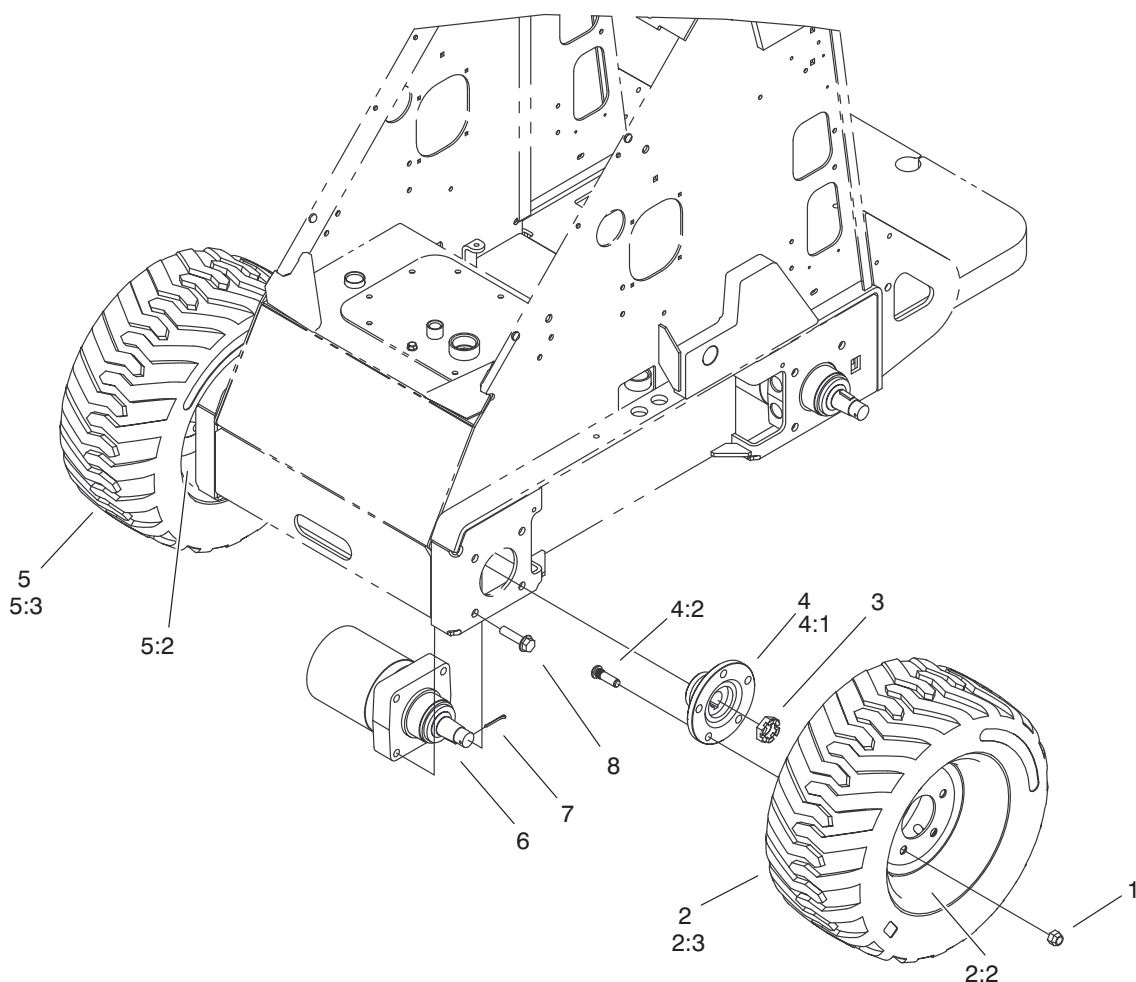


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Decal Assembly

Ref. No.	Part No.	Qty.	Description
1	99-3167	2	Decal-Dingo 320d
2	93-6680	1	Decal - Diesel Only
4	100-4696	2	Decal-Side
5	99-3068	2	Decal-4-Paw
8	93-9084	6	Decal - Lift Point
9	98-4679	1	Decal - Front
21	98-4680	1	Decal - Side

Ref. No.	Part No.	Qty.	Description

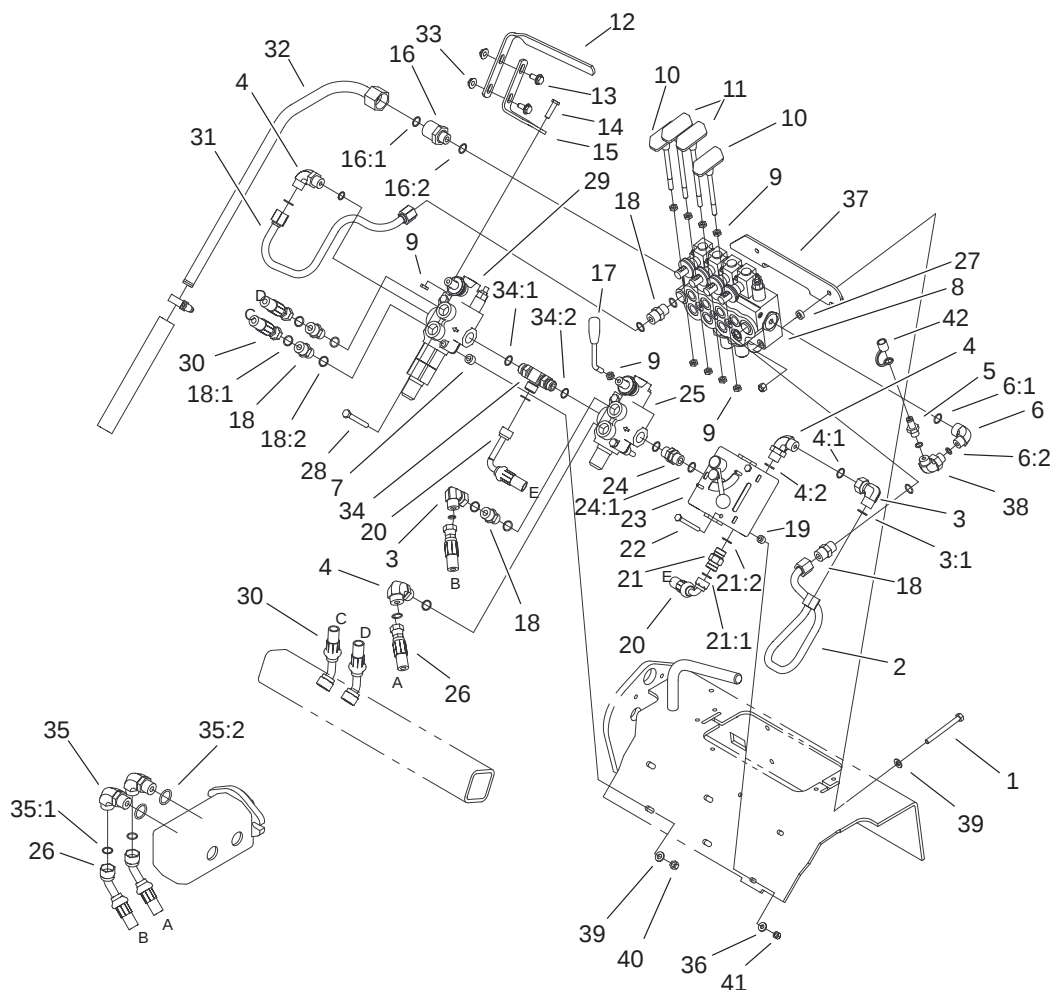


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Wheel and Motor Assembly

Ref. No.	Part No.	Qty.	Description
1	242-50	20	Nut-Lug
2	98-2747	2	LH Wheel & Tire ASM
*2:1	232-27	1	Stem-Valve
2:2	98-2748	1	Wheel
2:3	98-2749	1	Tire
3	99-3139	4	Nut-Wheel, Motor
4	99-3064	4	Hub ASM
4:1	99-3053-03	1	Hub-Wheel
4:2	10-6830	5	Stud-Type, Drive
5	99-1447	2	RH Wheel & Tire ASM
*5:1	232-27	1	Stem-Valve
5:2	98-2748	1	Wheel
5:3	98-2749	1	Tire
6	99-3052	4	Hydraulic Motor ASM
7	99-3171	4	Pin - Cotter
8	3234-27	16	Screw-Flange

* Not Illustrated

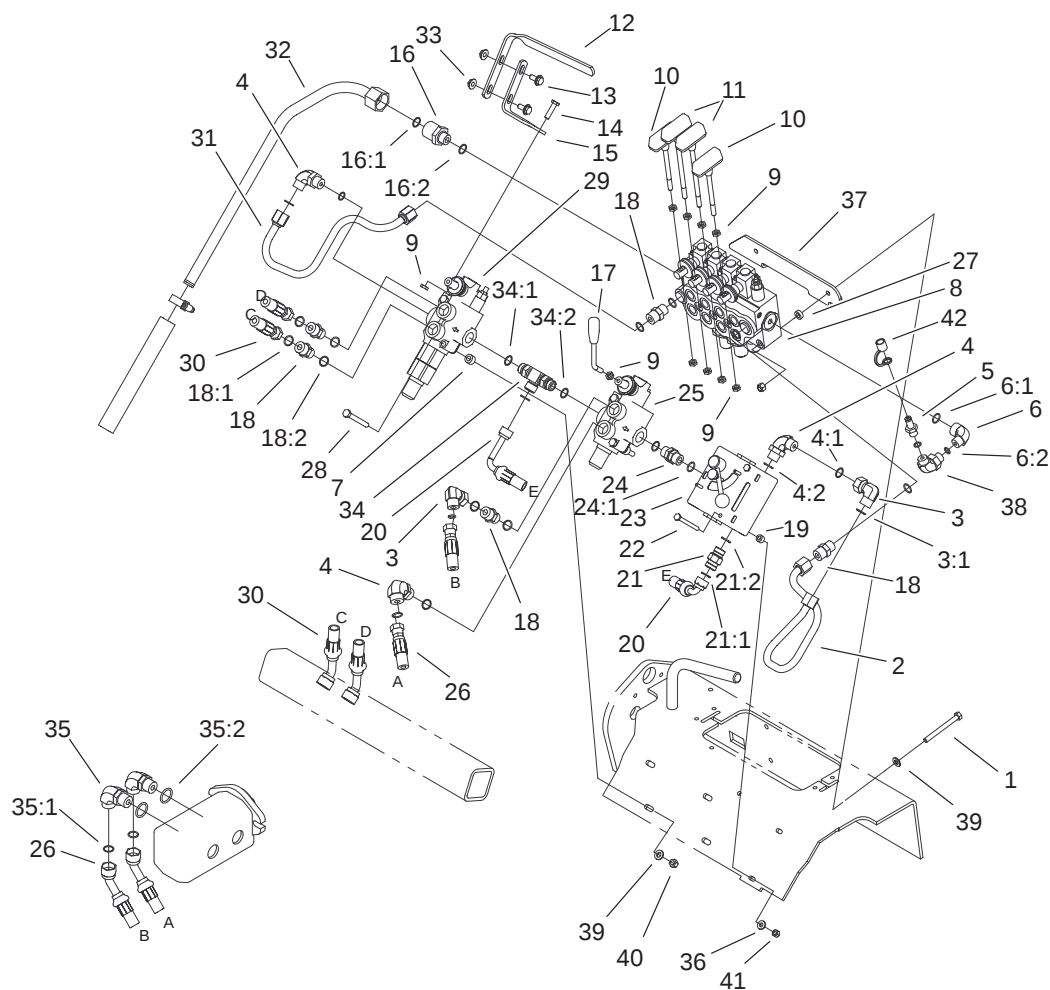


Sheet No.:20

Hydraulic Valve Assembly

Ref. No.	Part No.	Qty.	Description
1	322-20	3	Screw-HH
2	99-3030	1	Line-Hyd, Cf
3	94-6031	2	Fitting-Hyd
3:1	237-30	1	O-Ring
4	340-98	3	Fitting-90°
4:1	237-30	1	O-Ring
4:2	237-79	1	O-Ring
5	86-5480	1	Nipple-Test
6	340-18	1	Fitting
6:1	237-79	1	O-Ring
6:2	237-22	1	O-Ring
7	98-4695	5	Tube-Spacer
8	99-3070	1	Valve-Hydraulic, 4-Spool
9	42-9580	9	Nut-Hex
10	98-4671	2	Cylinder Handle ASM
11	98-4670	2	Drive Handle ASM
12	98-9090	1	Grip-Control
13	3234-5	1	Screw-HHF
14	33104-030	1	Screw-HHF
15	99-1376	1	Mount-Control
16	98-9921	1	Fitting-Thread, Straight
16:1	237-145	1	O-Ring
16:2	237-79	1	O-Ring
17	98-4729	1	Lever-Valve
18	340-4	5	Adapter

Ref. No.	Part No.	Qty.	Description
18:1	237-30	3	O-Ring
18:2	237-79	3	O-Ring
19	98-4799	2	Tube-Spacer
20	100-2245	1	Hose ASM
21	98-4735	1	Valve-Check, Hyd
21:1	237-30	1	O-Ring
21:2	237-79	1	O-Ring
22	321-14	2	Screw-HH
23	99-3073	1	Valve-Flow, Hydraulic
24	95-3209	1	Fitting-Thread, Straight
24:1	237-79	2	O-Ring
25	99-3072	1	Valve-Select, Hyd
26	100-1730	2	Hose-Pump, Hyd
27	99-3078	2	Spacer
28	322-13	4	Screw-HH
29	99-3077	1	Valve-Aux, Hydraulic
30	98-4728	2	Hose-Aux, Hyd
31	98-4724	1	Line-Aux, Hydraulic
32	99-3021	1	Line-Tank, Hydraulic
33	32128-44	1	Nut
34	98-9079	1	Adapter - Tee, Adjustable
34:1	237-30	1	O-Ring
34:2	237-79	2	O-Ring
35	340-105	2	Fitting-Hyd., 90°
35:1	237-30	1	O-Ring

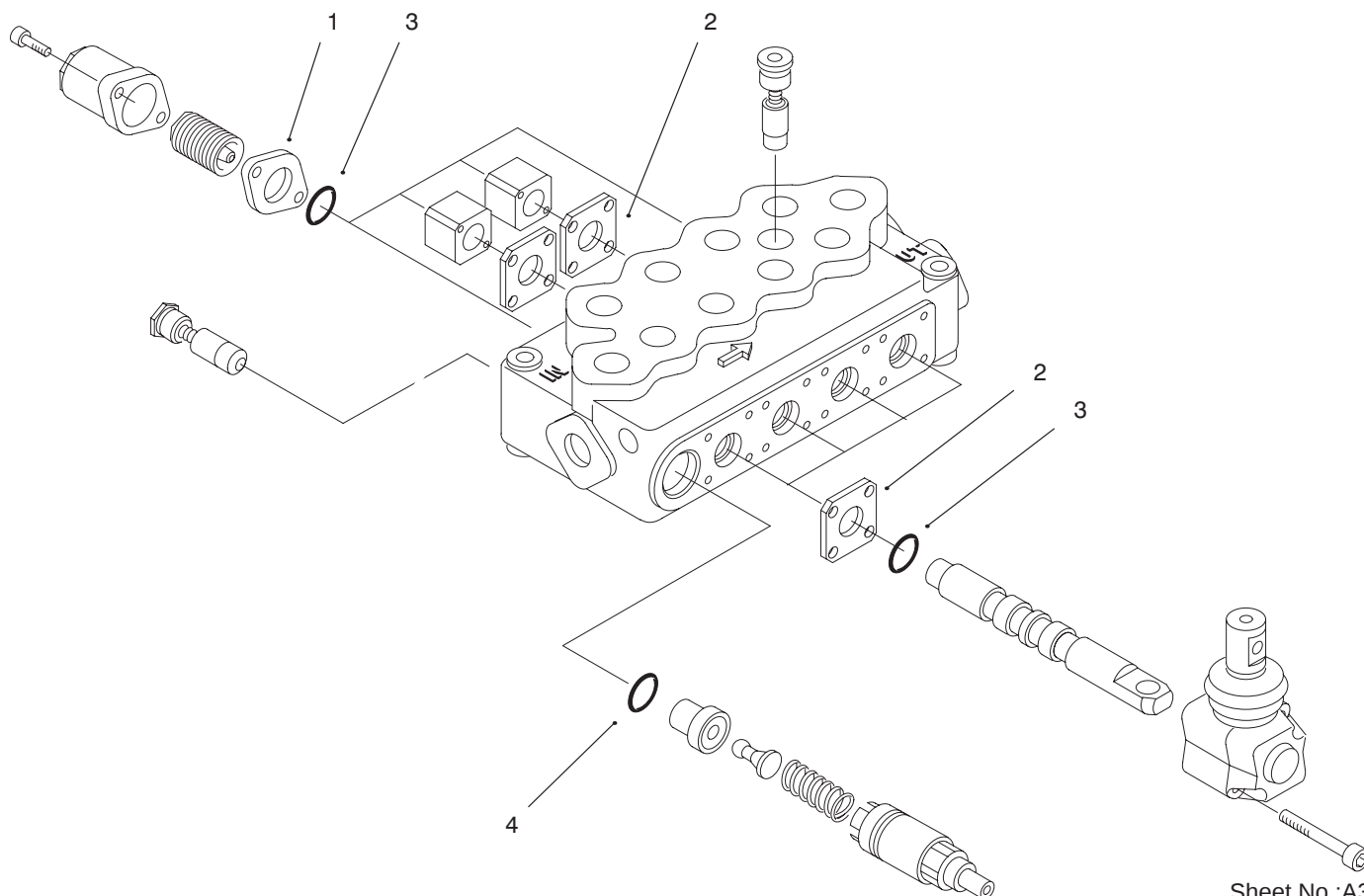


Sheet No.:20

Hydraulic Valve Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
35:2	237-80	1	O-Ring
36	3256-22	2	Washer-Flat
37	99-3079-03	1	Bracket-Mount, Cover
38	340-159	1	Fitting-Hyd., 90°
39	3256-23	7	Washer-Flat
40	3296-29	7	Nut-Lock
41	3296-42	2	Nut-Lock
42	354-79	1	Cap - Fitting, Yellow

Ref. No.	Part No.	Qty.	Description



Sheet No.:A3

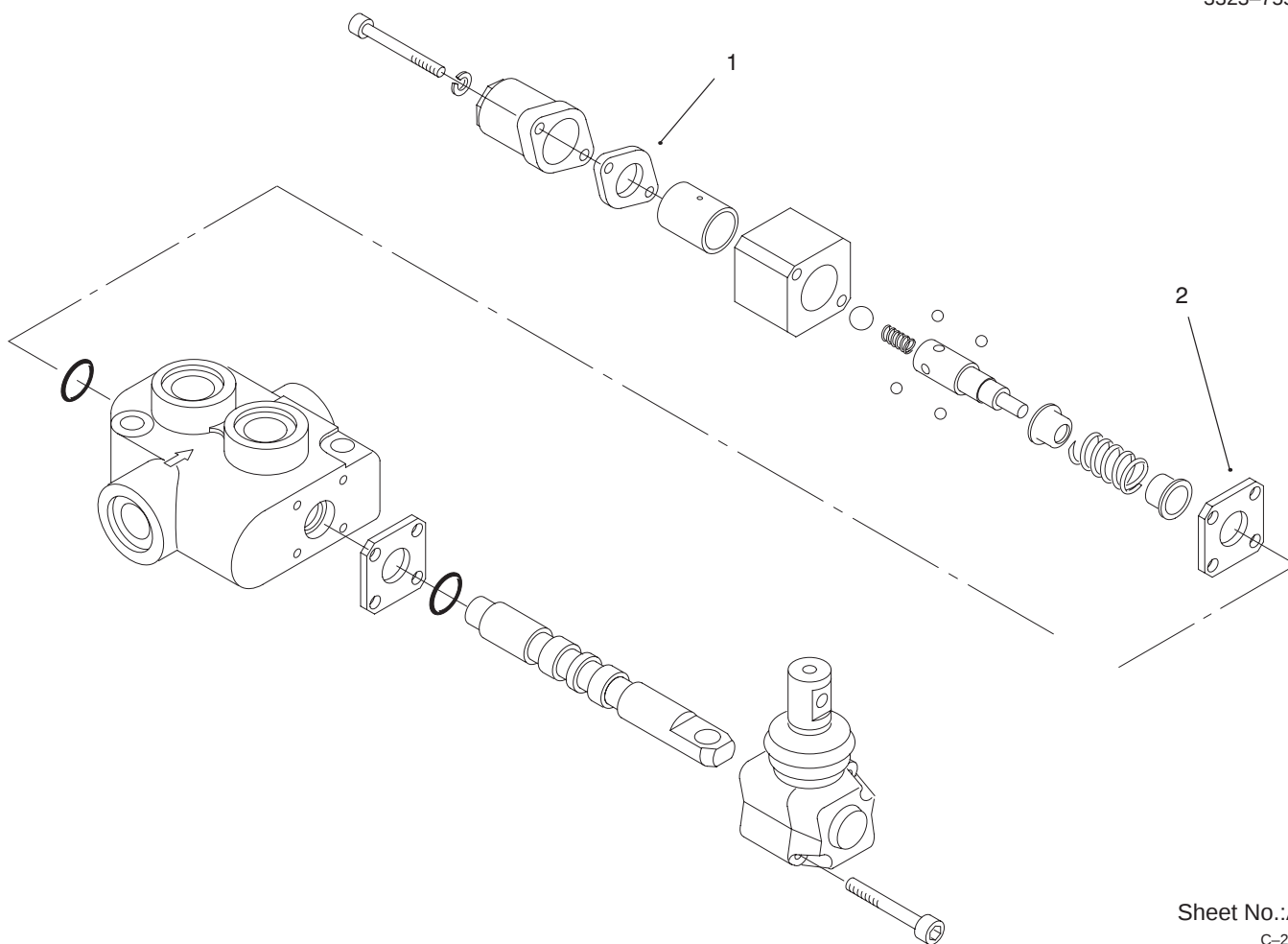
C-2834

Hydraulic Valve Assembly No. 99-3070

Ref. No.	Part No.	Qty.	Description
1	99-3074	4	Gasket
2	99-3075	6	Gasket
†3		8	O-Ring
†4		1	O-Ring
*	99-4390	1	Seal Kit (Incl. Ref.# 3 & 4)

* Not Illustrated

† Not Serviced Separately



Sheet No.:A5
C-2835

Hydraulic Valve Assembly No. 99-3072

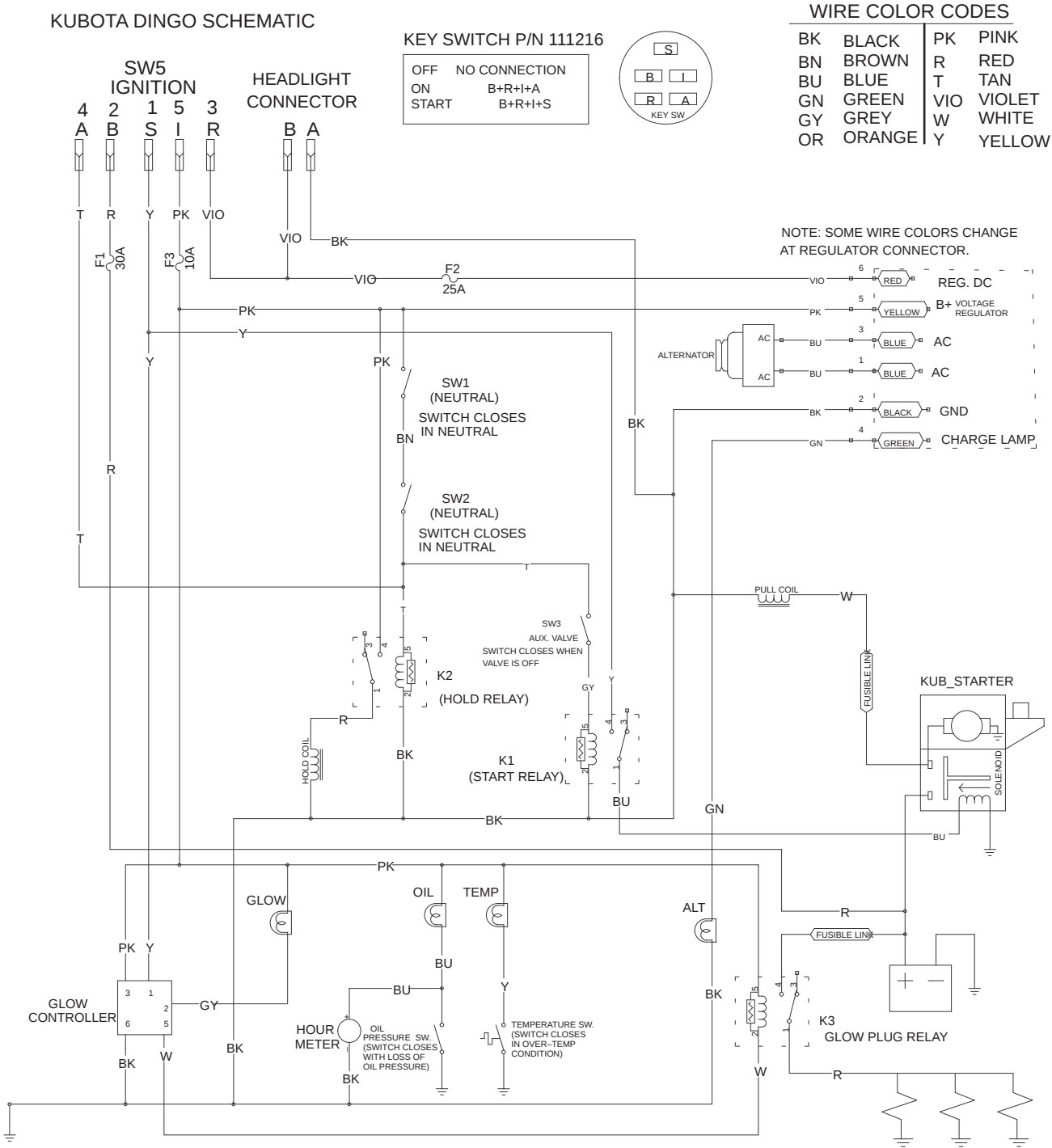
Ref. No.	Part No.	Qty.	Description
1	99-3074	1	Gasket
2	99-3075	1	Gasket
*3	99-4391	1	Kit-Seal, Sd4 (Incl. Ref. # 1, 2 & 4)
*4	99-3076	1	Tie-Strap

Ref. No.	Part No.	Qty.	Description

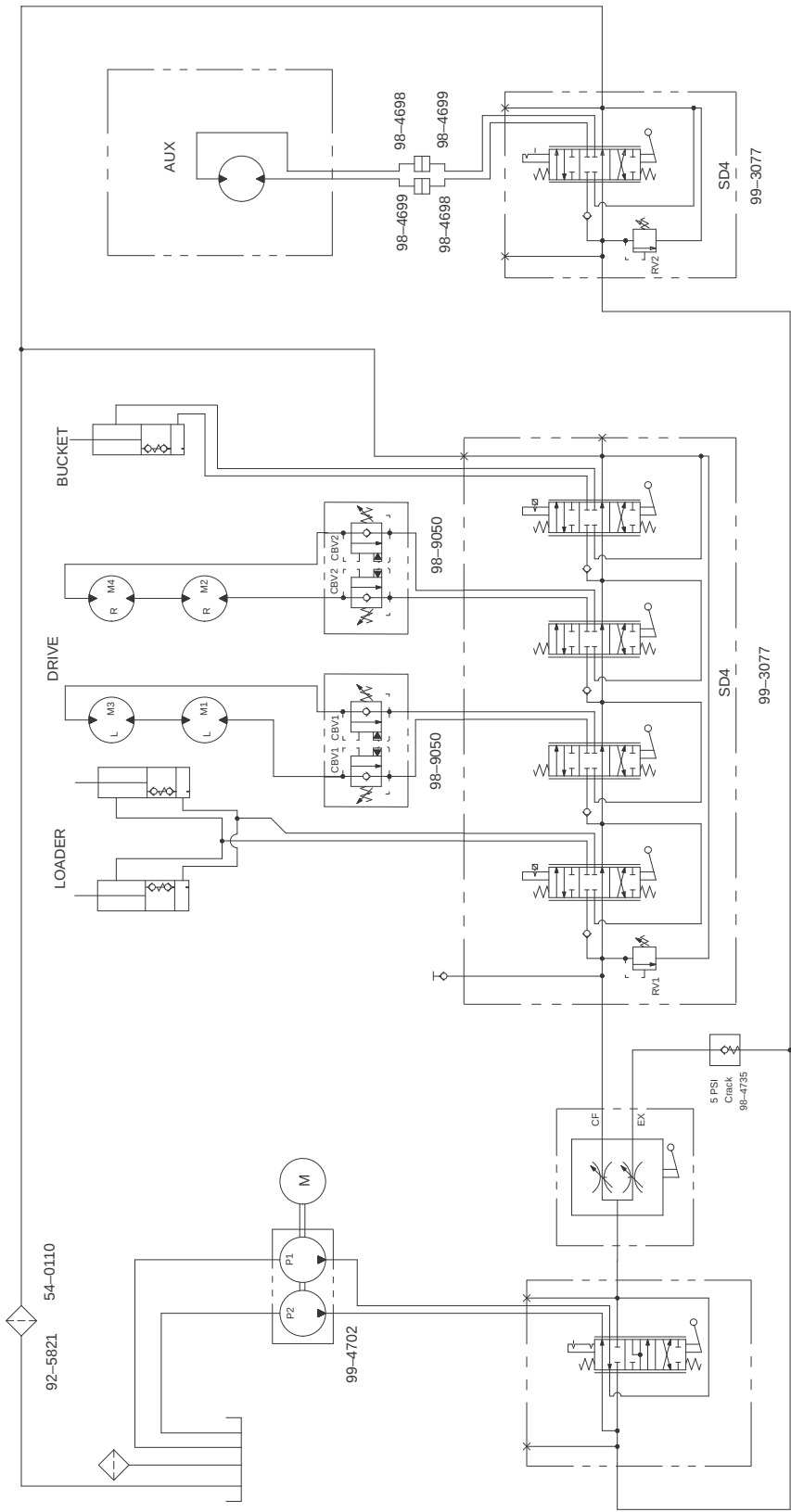
* Not Illustrated

Electrical Schematic

KUBOTA DINGO SCHEMATIC

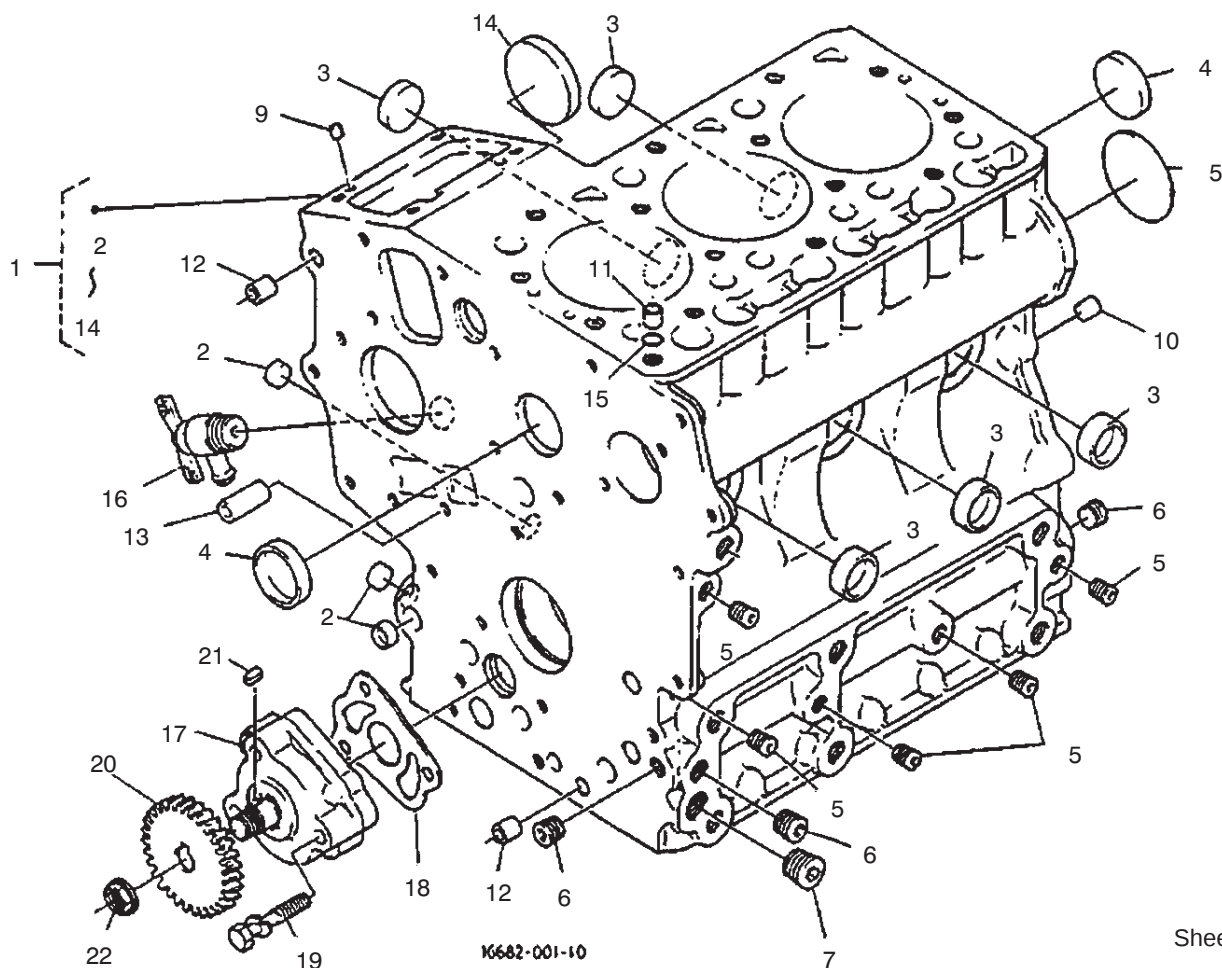


Hydraulic Schematic



DISPLACEMENT AND PRESSURE CHART						
COMPONENT	DISPLACEMENT		PRESSURE		FLOWRATE*	
COMPONENT	CU IN/REV	CU CM/REV	PSI	BARS	GPM	LPM
P1	0.55 CU IN	9 CC			8.5	32.1
P2	0.24 CU IN	4 CC			3.7	14.0
M1, M3	29.1 CU IN	476 CC				
M2, M4	29.1 CU IN	476 CC				
RV1			3000 PSI	207 BARS		
RV2			3000 PSI	207 BARS		
CBV1			1000 PSI	69 BARS		
CBV2			1000 PSI	69 BARS		

* FLOWRATE CALCULATED AT 3750 RPM AND 95% EFFICIENCY.

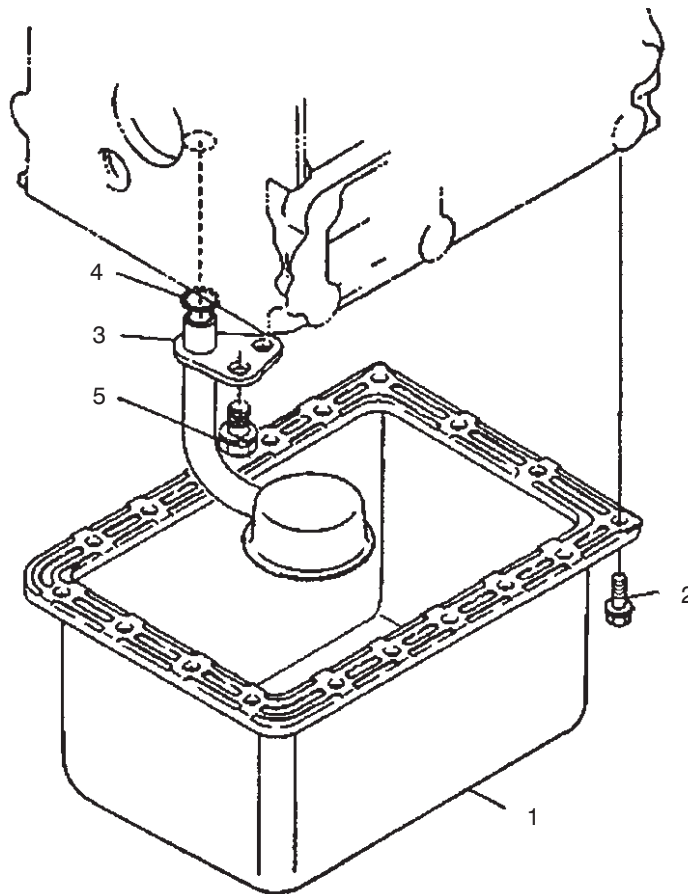


Sheet No.:2

Crankcase Assembly

Ref. No.	Part No.	Qty.	Description
1	100-2167	1	Crankcase-Comp.
2	100-2019	3	Cap-Sealing
3	100-2020	5	Cap-Sealing
4	98-9398	2	Cap-Sealing
5	98-7540	5	Cap-Sealing
6	98-7487	3	Plug
7	98-7488	1	Plug
8	100-1851	1	Plug
9	98-9375	2	Pin-Straight
10	98-9377	2	Pin-Straight
11	98-7506	1	Pin-Pipe
12	98-9387	2	Pin-Pipe
13	100-2051	2	Pin-Pipe
14	100-1991	1	Cover-Fuel, Camshaft
15	98-7509	1	O-Ring
16	98-9436	1	Drain Cock ASM
17	100-2002	1	Oil Pump ASM
18	100-2003	1	Gasket-Pump, Oil
19	100-1923	3	Bolt
20	100-1893	1	Gear-Drive, Oil Pump
21	98-7658	1	Key-Feather
22	100-1779	1	Nut-Flange

Ref. No.	Part No.	Qty.	Description



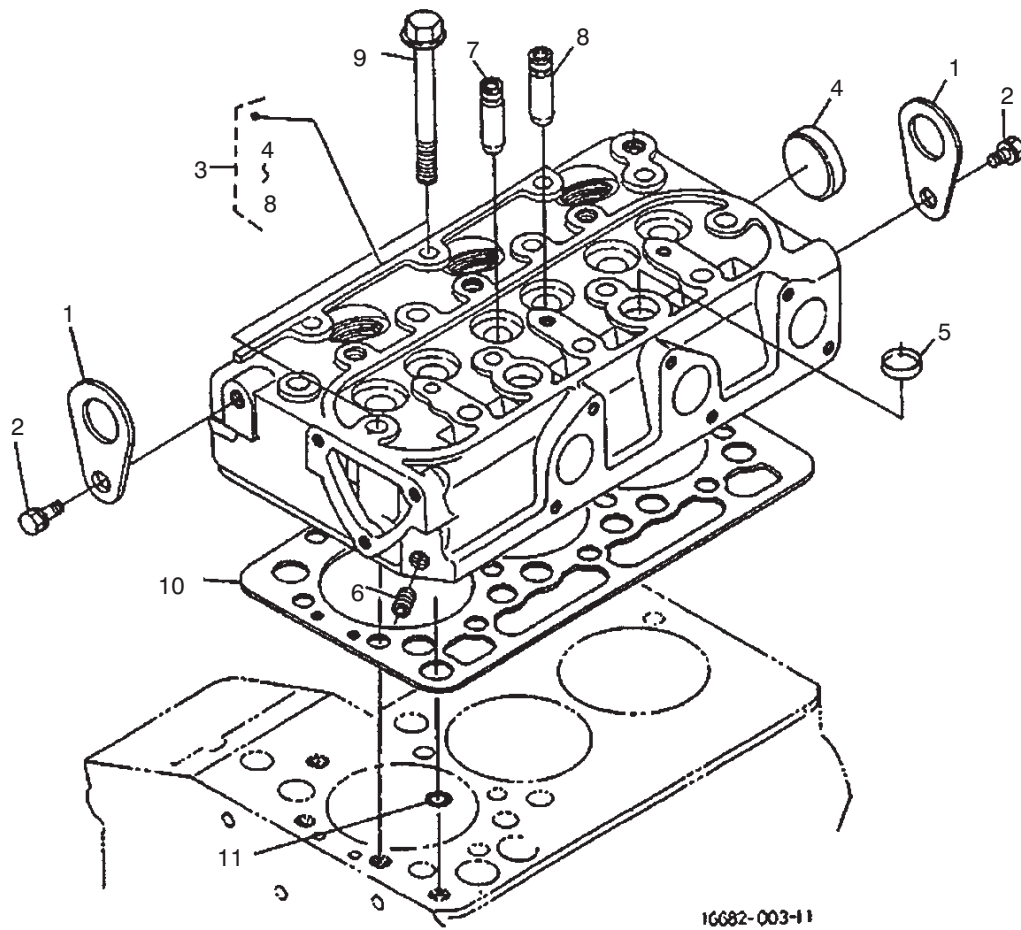
16682-002-10

Sheet No.:3

Oil Pan Assembly

Ref. No.	Part No.	Qty.	Description
1	100-2239	1	Pan-Oil, Comp,
2	98-9350	18	Bolt
3	100-2001	1	Strainer-Oil Internal
4	100-2205	1	O-Ring
5	98-7585	1	Bolt

Ref. No.	Part No.	Qty.	Description

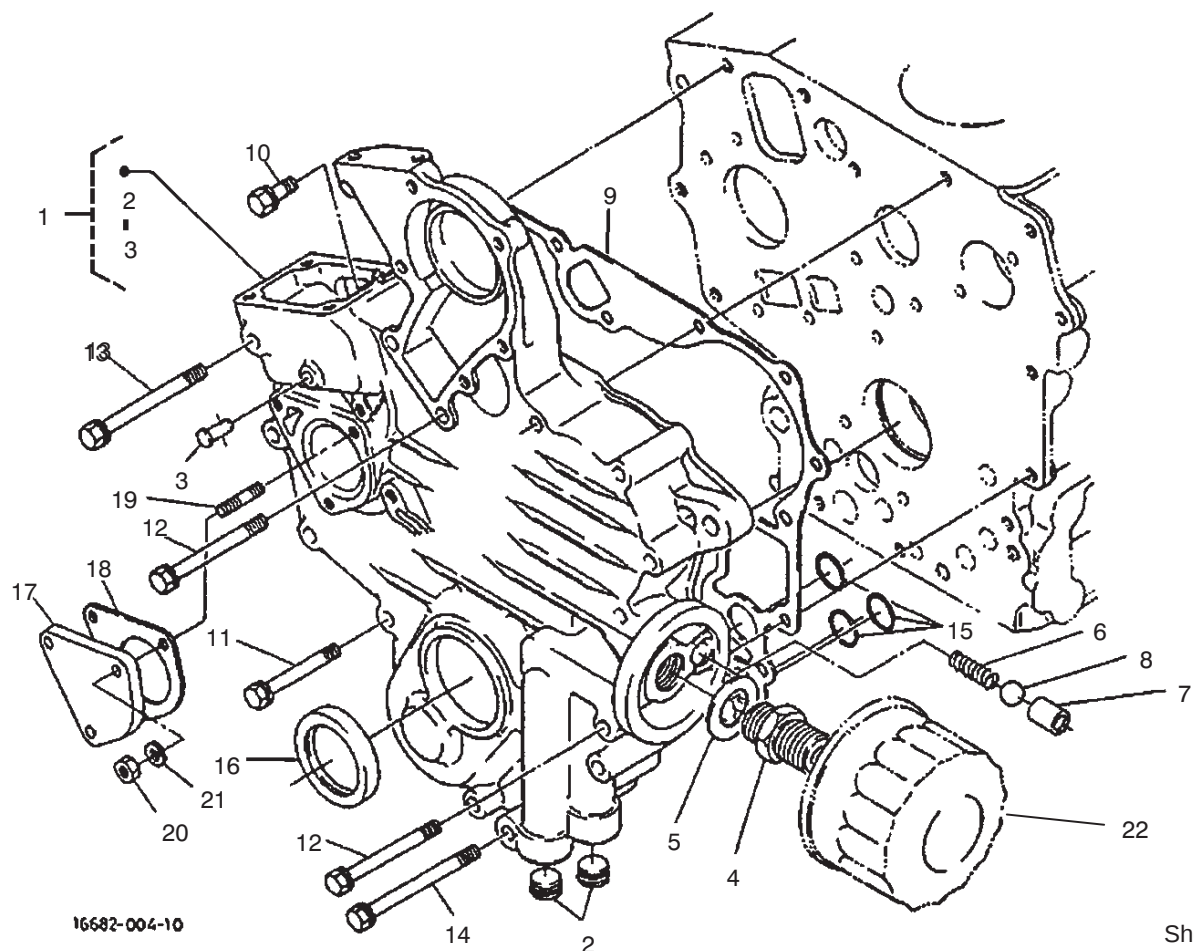


16682-003-11

Sheet No.:4

Cylinder Head Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	98-7531	2	Engine-Hook				
2	98-7526	2	Bolt				
3	100-2246	1	Head-Cylinder, Comp.				
4	98-9395	1	Cap-Sealing				
5	98-9389	2	Cap-Sealing				
6	98-7540	1	Cap-Sealing				
7	100-1882	3	Guide-Valve, Inlet				
8	100-1883	3	Guide-Valve, Exhaust				
9	100-1820	14	Bolt-Head, Cylinder				
10	100-2043	1	Gasket-Head, Cylinder				
11	98-7509	1	O-Ring				

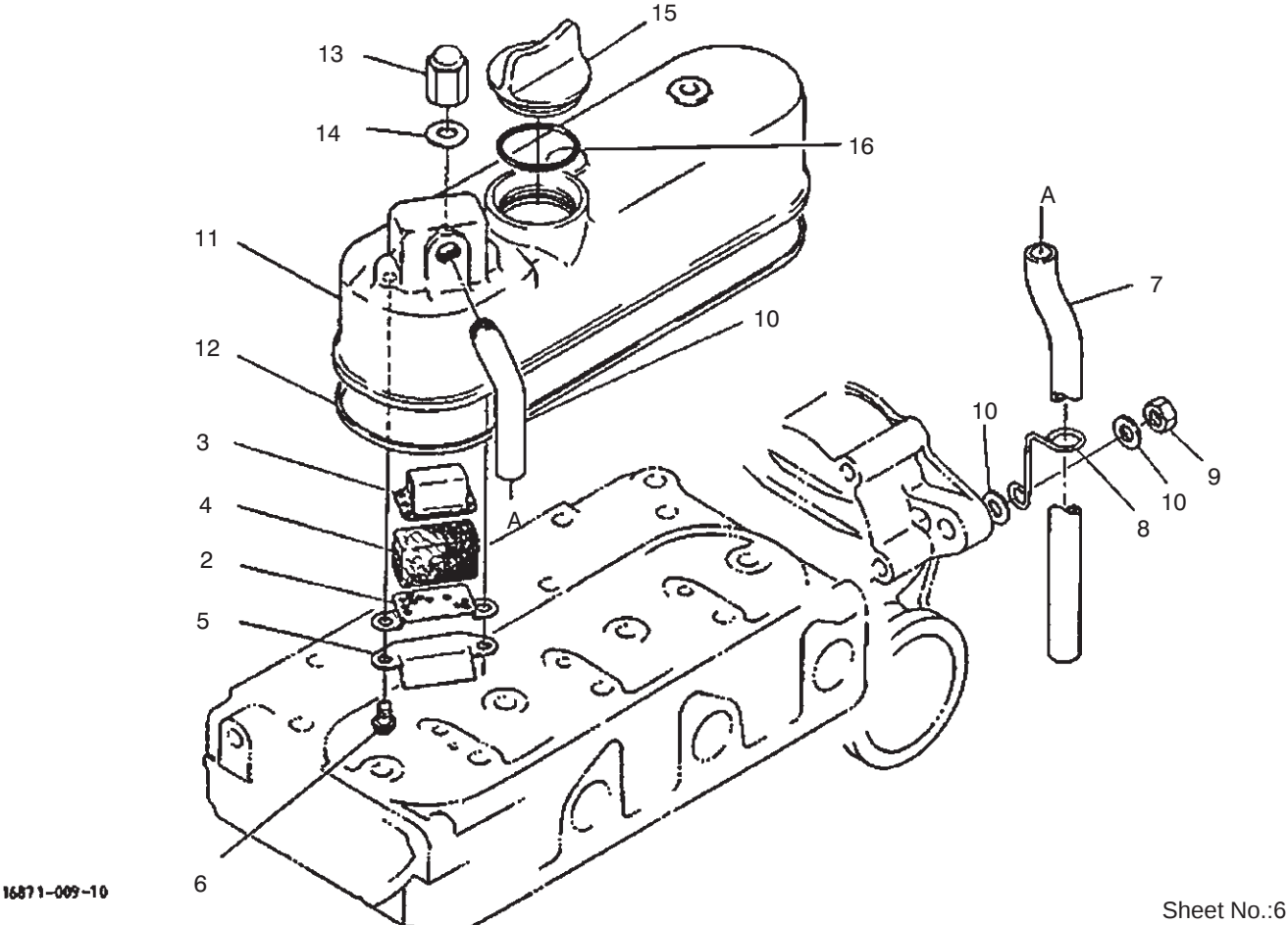


Sheet No.:5

Gear Case Assembly

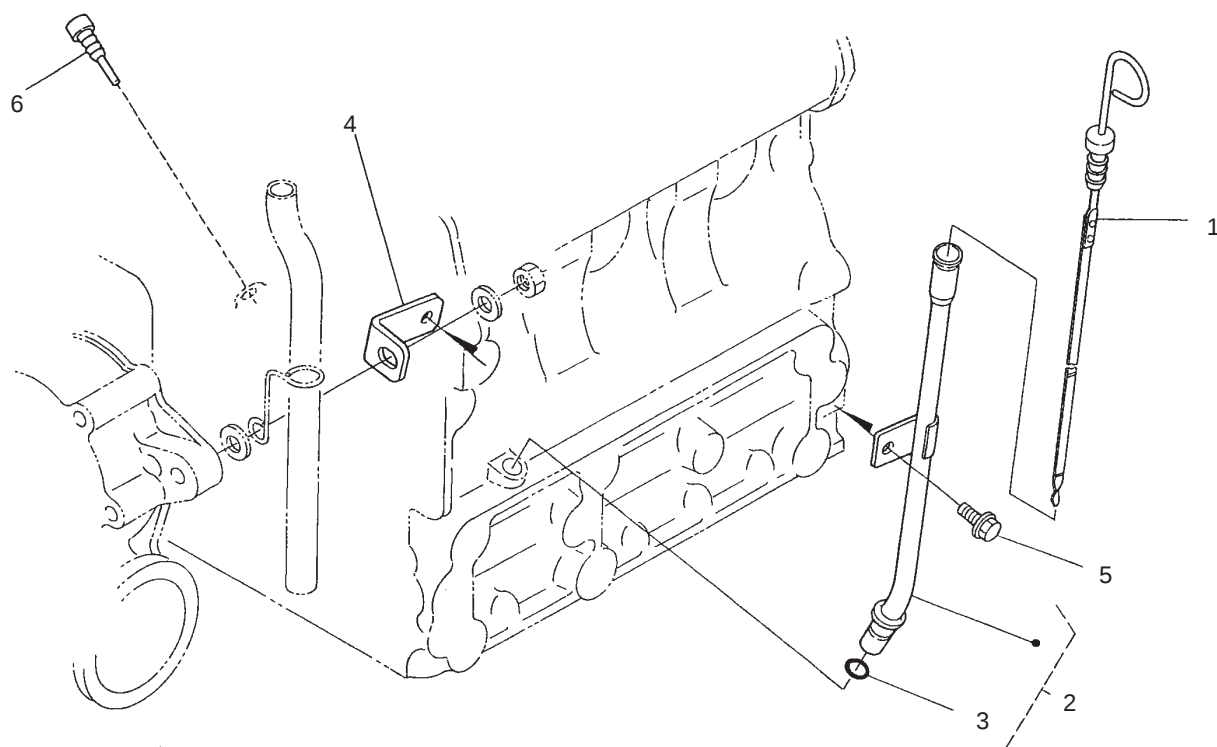
Ref. No.	Part No.	Qty.	Description
1	100-2048	1	Case-Gear, Comp.
2	98-7546	2	Plug
3	100-1910	1	Pin-Spring, Start
4	98-9388	1	Pipe-Joint
5	100-1926	1	Washer-Plain
6	100-2004	1	Spring
7	100-1894	1	Seat-Valve
8	100-1792	1	Ball
9	100-1954	1	Gasket-Gearcase
10	98-7605	1	Bolt
11	100-2201	8	Bolt
12	100-1922	5	Bolt
13	100-1766	1	Bolt
14	100-1767	1	Bolt
15	100-2206	3	O-Ring
16	100-1971	1	Seat-Oil
17	100-2060	1	Cover
18	100-2061	1	Gasket-Gearcase, H/M
19	98-7571	3	Stud
20	98-7572	3	Nut
21	98-9367	3	Washer-Spring
22	100-1892	1	Cartridge-Filter, Oil

Ref. No.	Part No.	Qty.	Description



Head Cover Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	100-1972	1	Joint-Pipe, Breather				
2	100-1877	1	Plate-Element				
3	100-1878	1	Plate-Element				
4	100-1881	1	Element-Breather				
5	100-1879	1	Breather-Shield, Oil				
6	100-2040	2	Screw				
7	100-1880	1	Pipe-Breather				
8	100-1973	1	Clamp-Pipe				
9	98-7739	1	Nut				
10	98-7660	2	Washer-Plain				
11	100-2029	1	Cover-Head, Cylinder				
12	100-2030	1	Gasket-Cover, Head				
13	98-7655	3	Nut-Cap				
14	98-7654	3	Gasket				
15	98-9449	1	Plug-Filler, Oil				
16	99-3446	1	O-Ring				



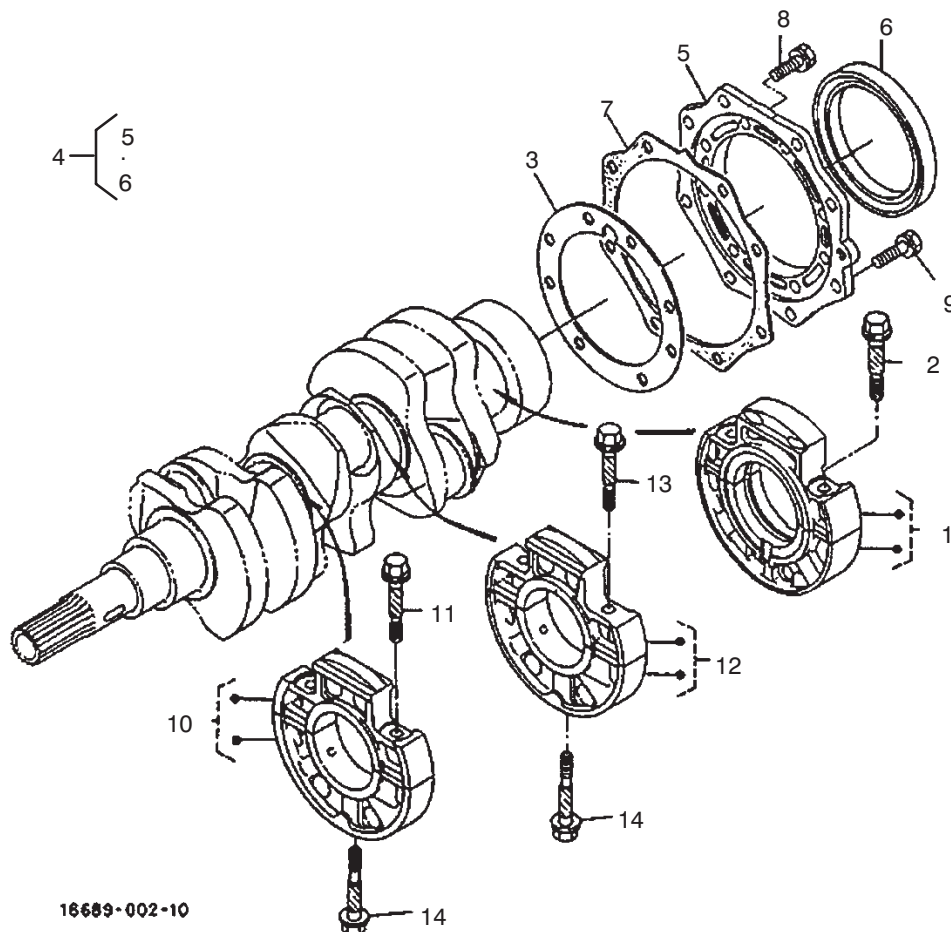
1G299-081-10

Sheet No.:7

Dipstick and Guide Assembly

Ref. No.	Part No.	Qty.	Description
1	100-2247	1	Gauge-Oil
2	100-2241	1	Oil Gauge Guide ASM
3	98-9374	1	O-Ring
4	100-2248	1	Support-Guide, Gauge
5	100-1774	1	Bolt-Flange
6	100-2229	1	Plug-Rubber

Ref. No.	Part No.	Qty.	Description

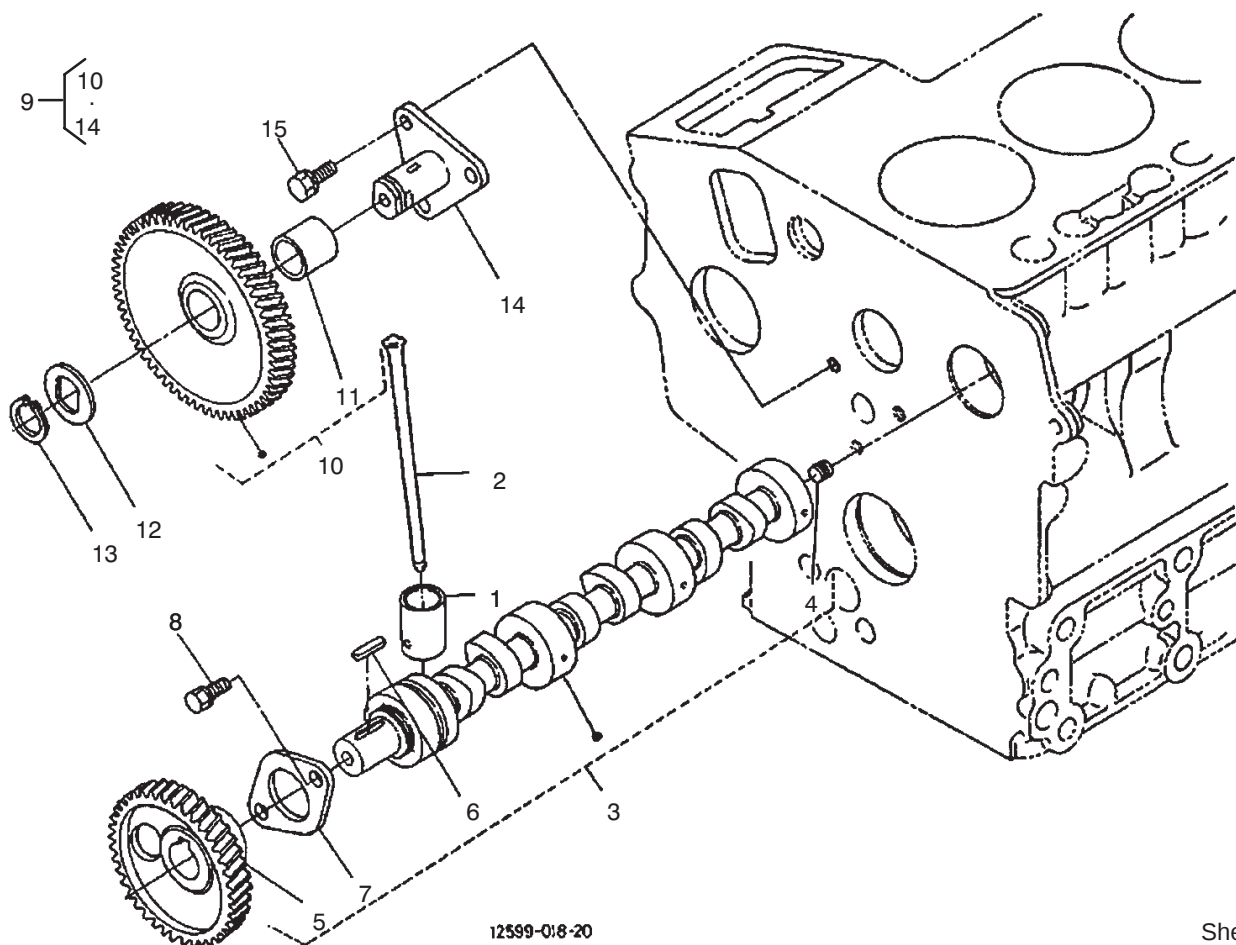


16689-002-10

Sheet No.:8

Main Bearing Case Assembly

Ref. No.	Part No.	Qty.	Description
1	100-1988	1	Main Bearing Case ASM
2	100-1757	2	Bolt-Case, Bearing
3	100-1929	1	Gasket-Case, Bearing
4	100-2233	1	Bearing Case Cover ASM
5	100-1875	1	Cover-Case, Bearing
6	100-2055	1	Seal-Oil
7	100-1876	1	Gasket-Case, Bearing
8	98-7568	8	Bolt
9	100-1750	8	Bolt
10	100-1987	1	Main Bearing Case ASM
11	100-1757	2	Bolt-Case, Bearing
12	100-2027	1	Main Bearing Case ASM
13	100-1757	2	Bolt-Case, Bearing
14	100-1874	2	Bolt-Case, Bearing

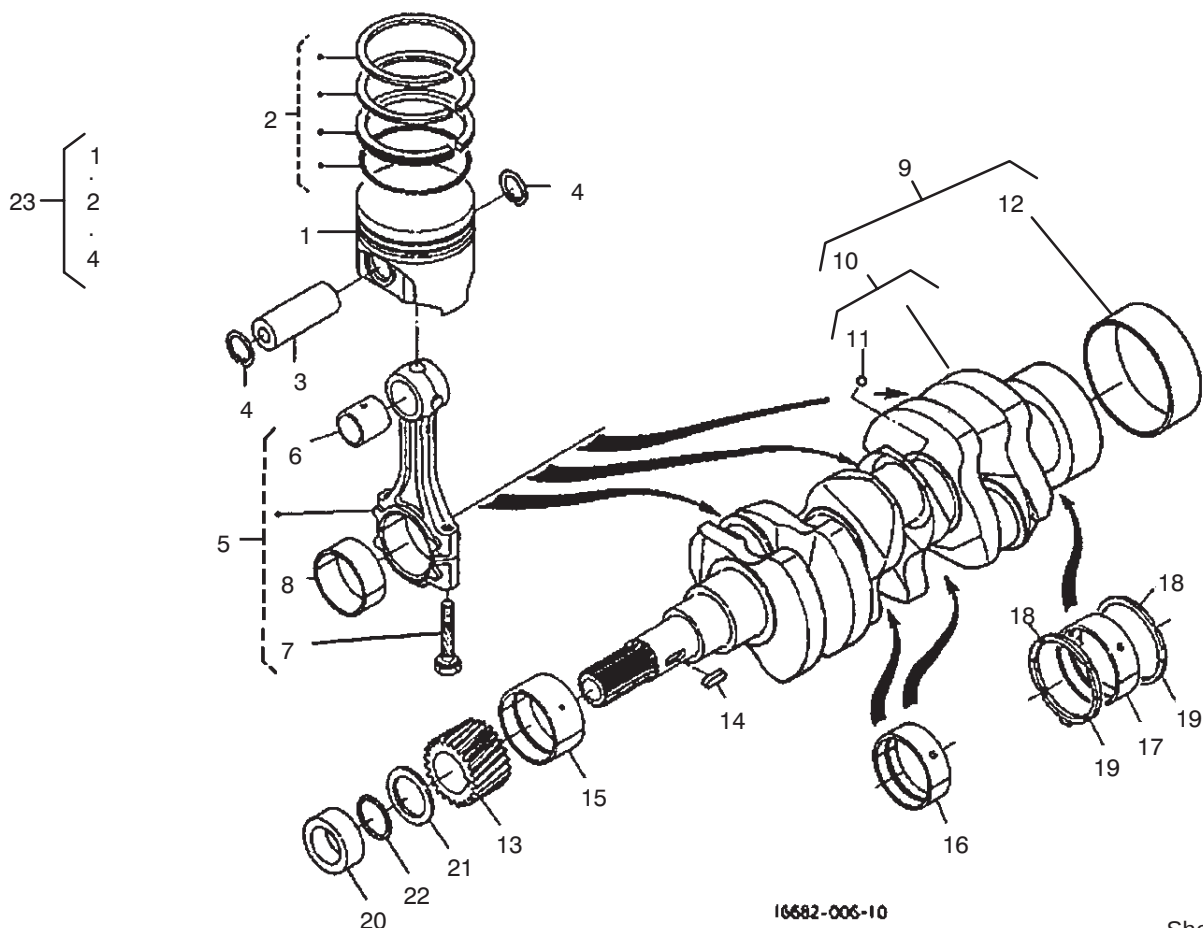


Sheet No.:9

Camshaft Assembly

Ref. No.	Part No.	Qty.	Description
1	100-1990	6	Tappet
2	100-1989	6	Rod-Push
3	100-2162	1	Camshaft ASM
4	98-7449	1	Screw-Set
5	100-2163	1	Gear-Camshaft
6	98-9378	1	Key-Feather
7	100-1887	1	Stopper-Camshaft
8	98-9350	2	Bolt
9	100-2240	1	Idle Gear ASM
10	100-1966	1	Gear-Idle, Comp.
11	100-1968	1	Bush
12	100-1970	1	Collar-Gear, Idle
13	100-1969	1	Ring-Snap
14	100-1967	1	Shaft-Gear, Idle
15	98-9351	3	Bolt

Ref. No.	Part No.	Qty.	Description



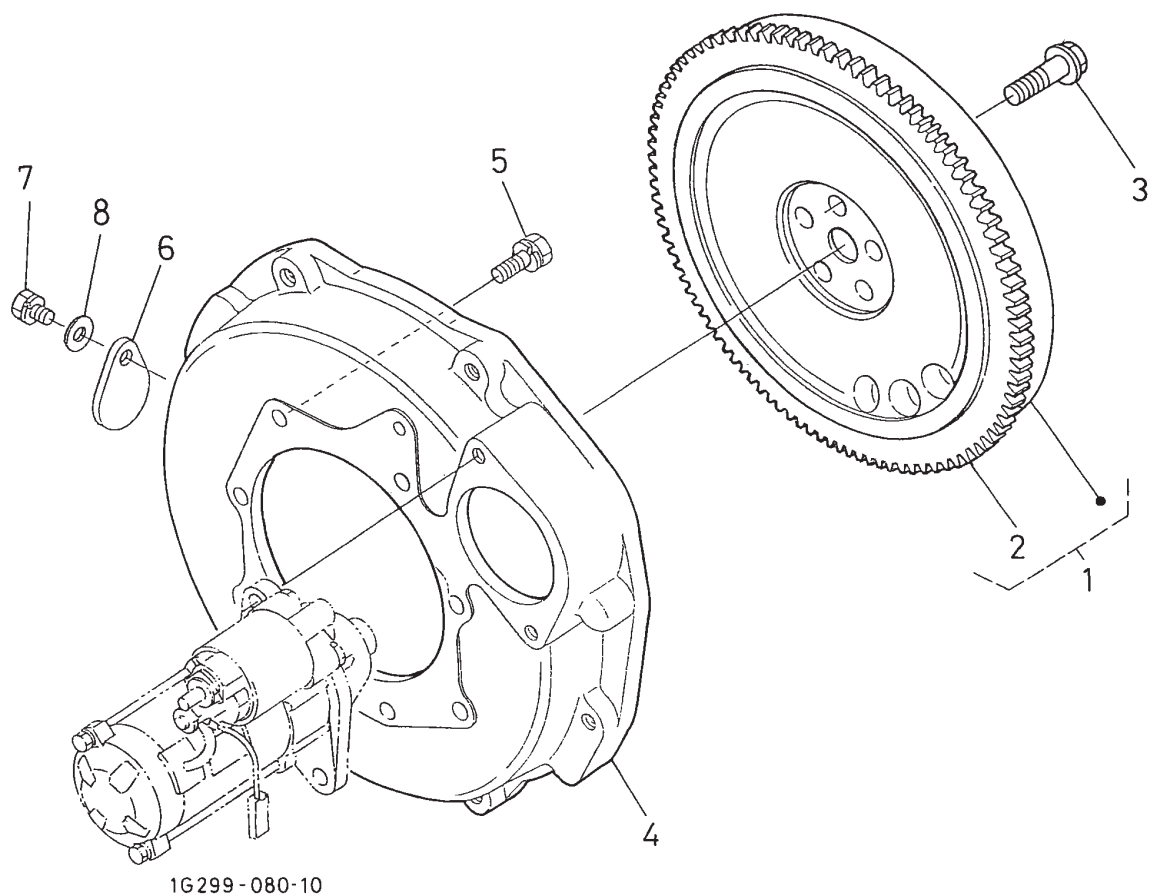
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Sheet No.:10

Piston and Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description
1	100-1994	3	Piston (STD.)
1	100-1996	3	Piston (+0.25 Mm)
2	100-2158	3	Piston Ring ASM
2	100-2159	3	Piston Ring ASM
3	100-1995	3	Pin-Piston
4	100-1835	6	Cir-Cup, Piston Pin
5	100-1998	3	Connecting Rod ASM
6	100-1997	3	Bush-Pin, Piston
7	100-1999	6	Bolt-Rod, Connecting
8	100-1942	3	Crankpin-Metal (-0.2 Mm)
8	100-1943	3	Crankpin-Metal (-0.4 Mm)
8	100-2000	3	Crankpin-Metal (STD.)
9	100-2161	1	Crankshaft ASM
10	100-2160	1	Crankshaft-Comp.
11	100-1791	3	Ball
12	100-2054	1	Sleeve-Crankshaft
13	100-1891	1	Gear-Crankshaft
14	100-1752	1	Key-Feather
15	100-1944	1	Crankshaft-Metal (STD.)
15	100-1947	1	Crankshaft-Metal (-0.2 Mm)
15	100-1948	1	Crankshaft-Metal (-0.4 Mm)

Ref. No.	Part No.	Qty.	Description
16	100-1945	2	Crankshaft-Metal (-0.2 Mm Set)
16	100-1946	2	Crankshaft-Metal (-0.4 Mm Set)
16	100-2033	2	Crankshaft-Metal (STD. Set)
17	100-1870	2	Crankshaft-Metal (-0.2 Mm)
17	100-1871	2	Crankshaft-Metal (-0.4 Mm)
17	100-2032	2	Crankshaft-Metal (STD.)
18	100-1836	2	Metal-Side (STD.)
18	100-1838	2	Metal-Side (+0.2 Mm)
18	100-1839	2	Metal-Side (+0.4 Mm)
19	100-1837	2	Metal-Side (STD.)
19	100-1840	2	Metal-Side (+2.0 Mm)
19	100-1841	2	Metal-Side (+4.0 Mm)
20	100-1890	1	Collar-Crankshaft
21	100-1974	1	Slinger-Oil
22	100-2209	1	O-Ring
23	100-2164	1	Kit-Piston

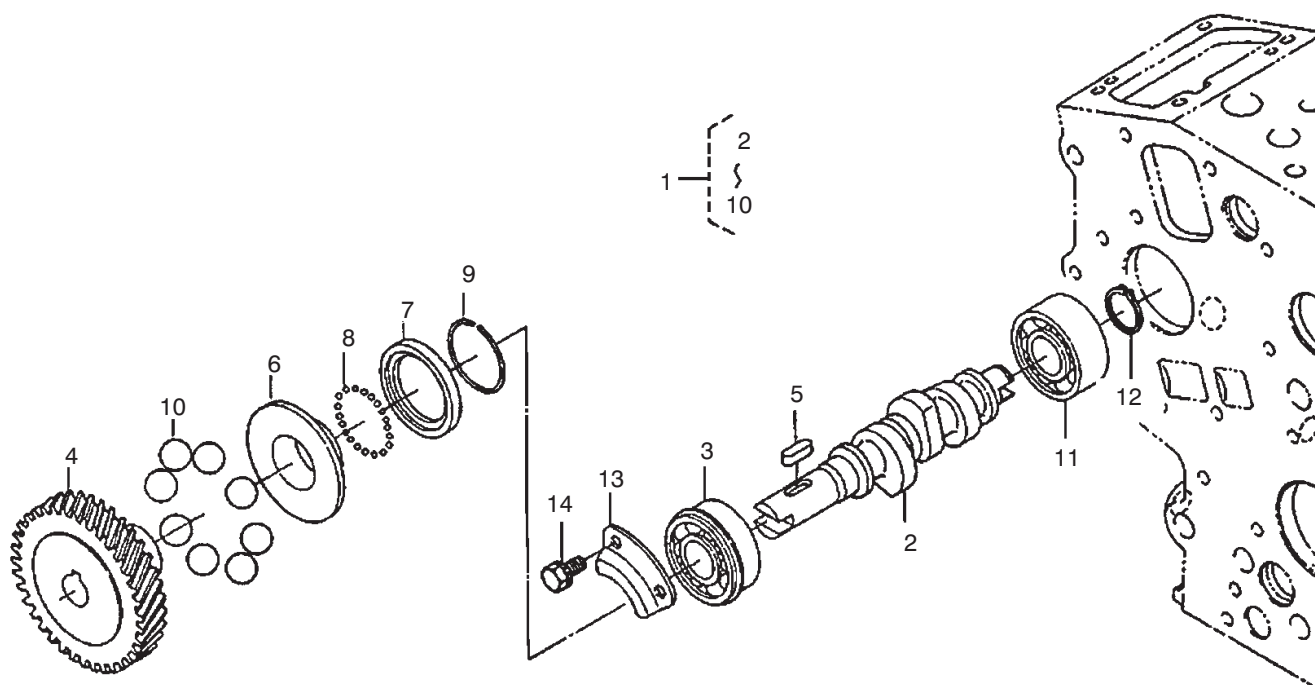


Sheet No.:11

Flywheel Assembly

Ref. No.	Part No.	Qty.	Description
1	100-2034	1	Flywheel-Comp.
2	100-2156	1	Gear-Ring
3	100-1930	5	Bolt-Flywheel
4	100-2234	1	Plate-End, Rear
5	98-9359	10	Bolt
6	100-2177	1	Cover
7	98-7585	1	Bolt
8	98-7660	1	Washer-Plain

Ref. No.	Part No.	Qty.	Description

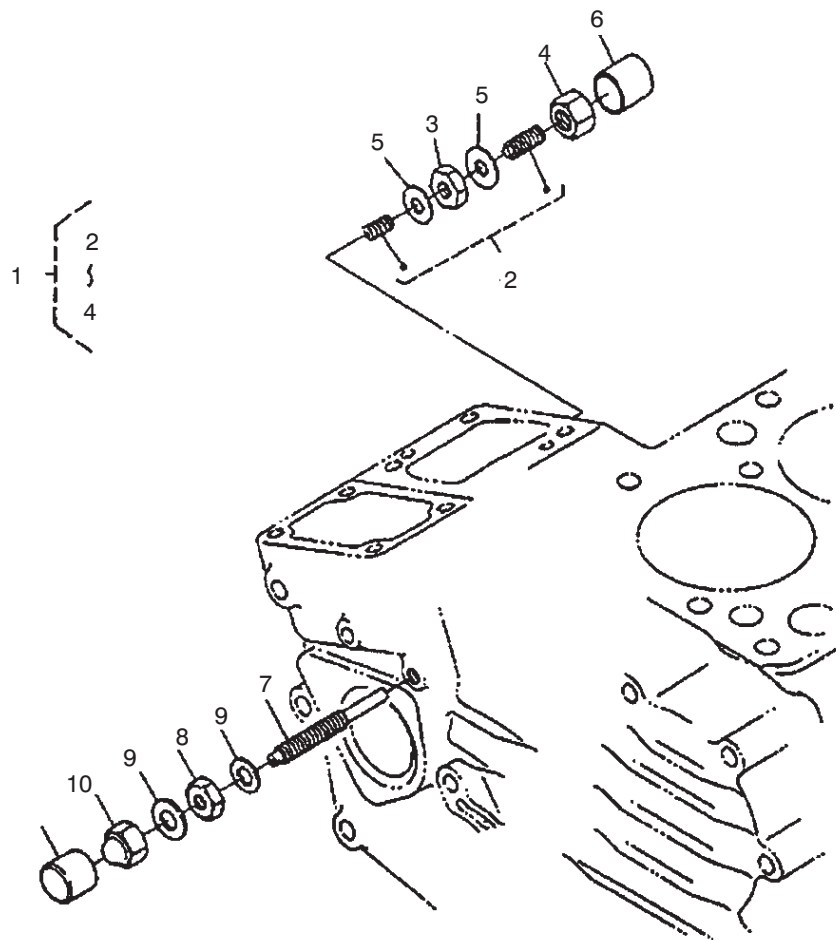


16682-007-10

Sheet No.:12

Fuel Camshaft Assembly

Ref. No.	Part No.	Qty.	Description
1	100-2031	1	Fuel Camshaft ASM
2	100-1965	1	Camshaft
3	100-1795	1	Bearing-Ball
4	100-2006	1	Gear-Pump, Injection
5	100-1752	1	Key,Feather
6	100-1903	1	Sleeve-Governor
7	100-1904	1	Case-Ball, Governor
8	100-1790	32	Ball
9	100-1843	1	Cir-Clip, Gov. Sleeve
10	100-1793	8	Ball
11	100-1794	1	Bearing-Ball
12	100-1784	1	Cir-Clip, External
13	100-1888	1	Stopper-Fuel, C/Shaft
14	98-9350	2	Bolt

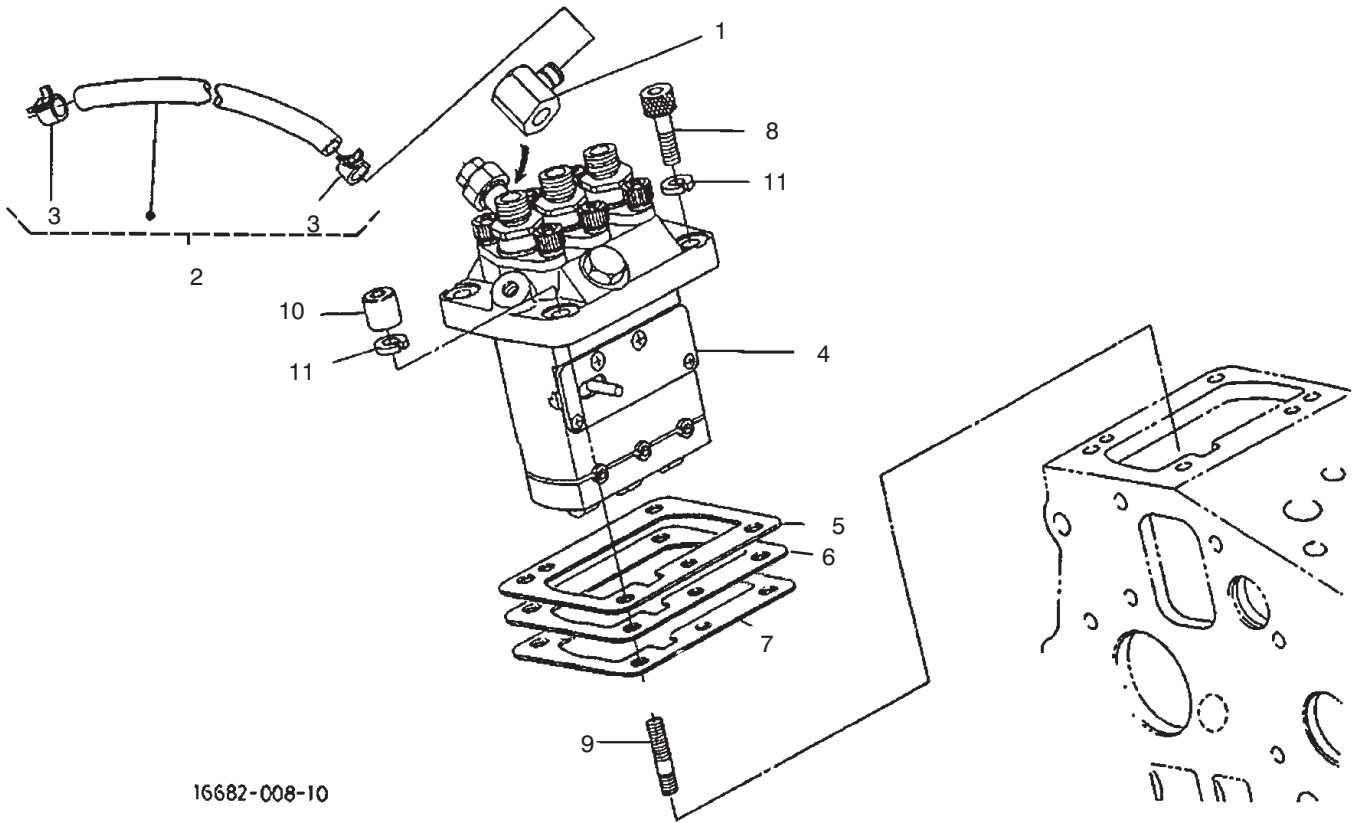


Sheet No.:13

Engine Stop Lever Assembly

Ref. No.	Part No.	Qty.	Description
1	100-1898	1	Idle Apparatus ASM
2	100-1899	1	Adj. Bolt ASM
3	100-1846	1	Nut
4	100-1901	1	Nut-Cap
5	98-7428	2	Gasket
6	100-1902	1	Cap
7	100-1900	1	Bolt-Adjusting
8	100-2175	1	Nut-Lock
9	98-7654	2	Gasket
10	98-9441	1	Nut-Cap

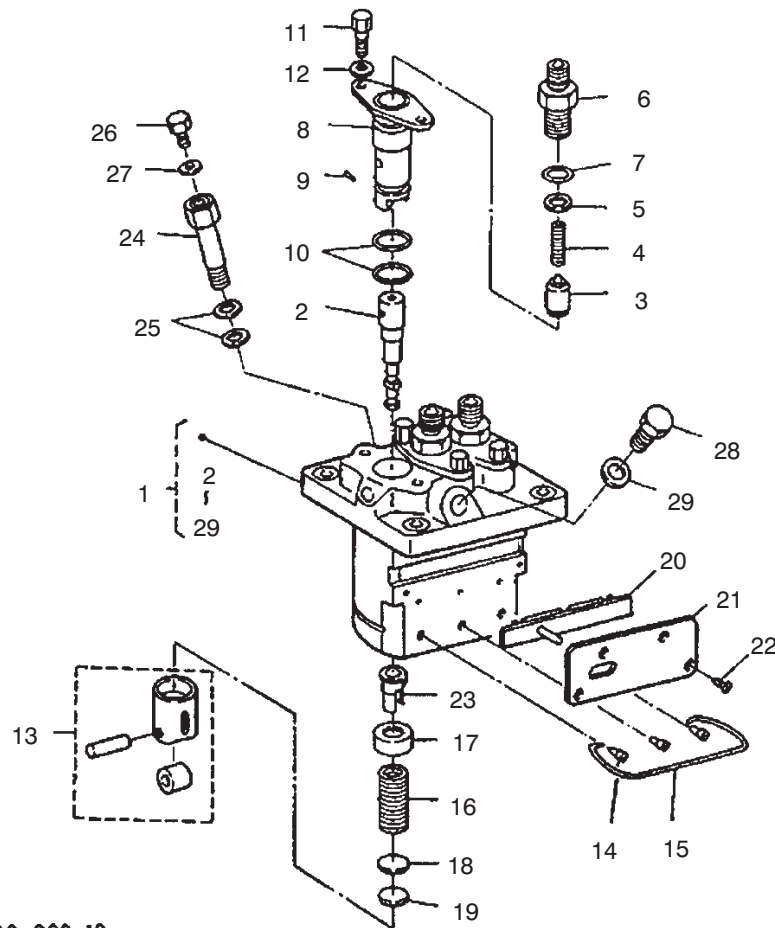
Ref. No.	Part No.	Qty.	Description



Sheet No.:14

Injection Pump Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	100-1928	1	Joint-Eye				
2	100-1842	1	Fuel Pipe ASM				
3	100-2217	2	Clip-Pipe				
4	100-1759	1	Inj. Pump ASM				
5	98-9456	1	Shim				
6	98-9457	1	Shim-Injection (0.25mm)				
7	98-9458	1	Shim-Injection (0.30mm)				
8	98-9361	2	Bolt-HSH				
9	98-9438	2	Stud				
10	98-9440	2	Nut,-Cap				
11	98-9367	4	Washer-Spring				



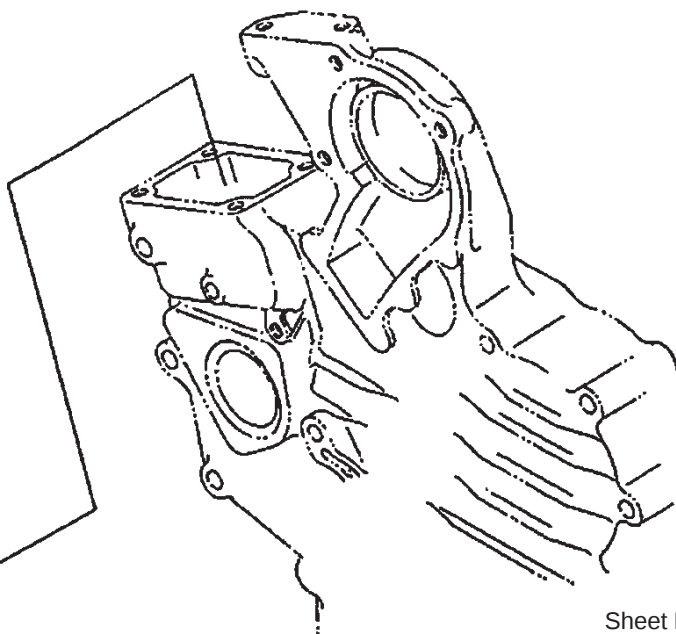
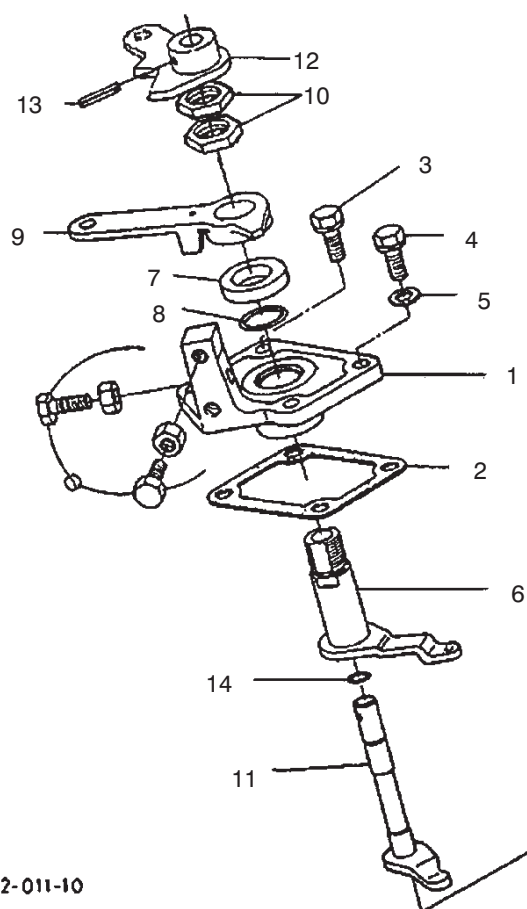
16689-009-10

Sheet No.:15

Injection Pump (Complete Parts)

Ref. No.	Part No.	Qty.	Description
1	100-1759	1	Inj. Pump ASM
2	100-2005	3	Plunger-Pump
3	98-9421	3	Valve-Delivery
4	98-9424	3	Spring-Valve, Delev.
5	98-9425	3	Gasket-Valve, Deliv.
6	100-2007	3	Holder-Valve, Deliv.
7	98-9447	3	O-Ring
8	98-9434	3	Flange-Sleeve
9	98-9443	3	Pin-Joint
10	100-1895	6	O-Ring
11	98-9452	6	Screw
12	100-1931	6	Washer
13	98-9422	3	Tappet ASM
14	98-9426	3	Pin-Guide, Tappet
15	98-9450	1	Pin-Clamp
16	98-9428	3	Spring-Plunger
17	98-9427	3	Seat-Spring, Upper
18	98-9429	3	Seat-Spring, Lower
19	98-9433	1	Shim
20	100-1949	1	Rack-Control
21	100-1950	1	Plate
22	98-9442	4	Screw-Head, CSK
23	98-9432	3	Sleeve-Control
24	100-1896	1	Screw-Hollow
25	98-9445	2	Gasket
26	98-9430	1	Screw

Ref. No.	Part No.	Qty.	Description
27	98-9446	1	Gasket
28	100-1953	1	Bolt
29	98-9451	1	Gasket

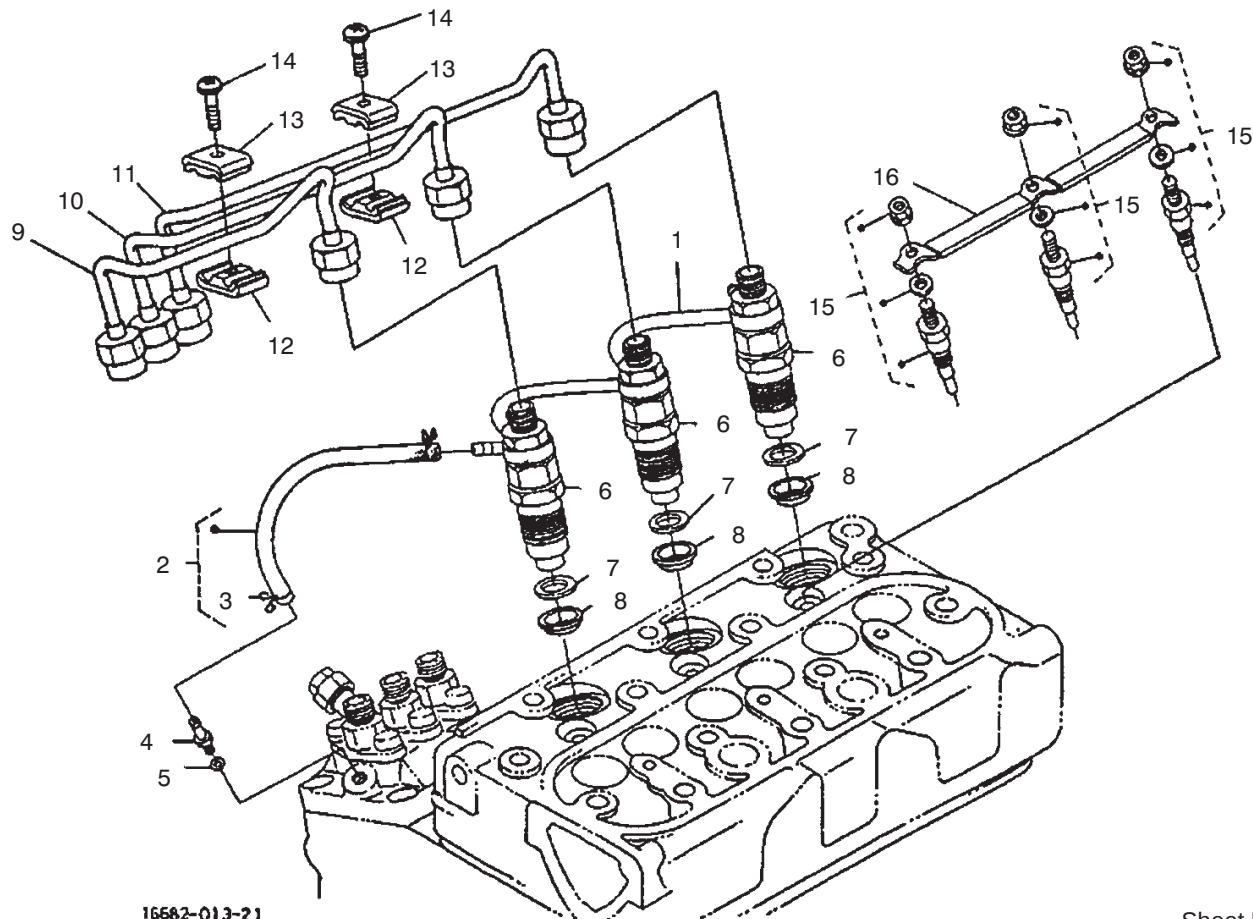


Sheet No.:17

Speed Control Plate Assembly

Ref. No.	Part No.	Qty.	Description
1	100-1912	1	Plate-Cont., Speed
2	100-1914	1	Gasket
3	98-7605	2	Bolt
4	100-1769	2	Bolt
5	98-7654	2	Gasket
6	100-2172	1	Lever-Governor
7	100-1915	1	Collar
8	100-2208	1	O-Ring
9	100-1986	1	Lever-Cont., Speed
10	100-1925	2	Nut
11	100-2050	1	Shaft-Lever
12	100-2173	1	Lever-Stop, Engine
13	100-1751	1	Pin-Spring
14	100-2207	1	O-Ring

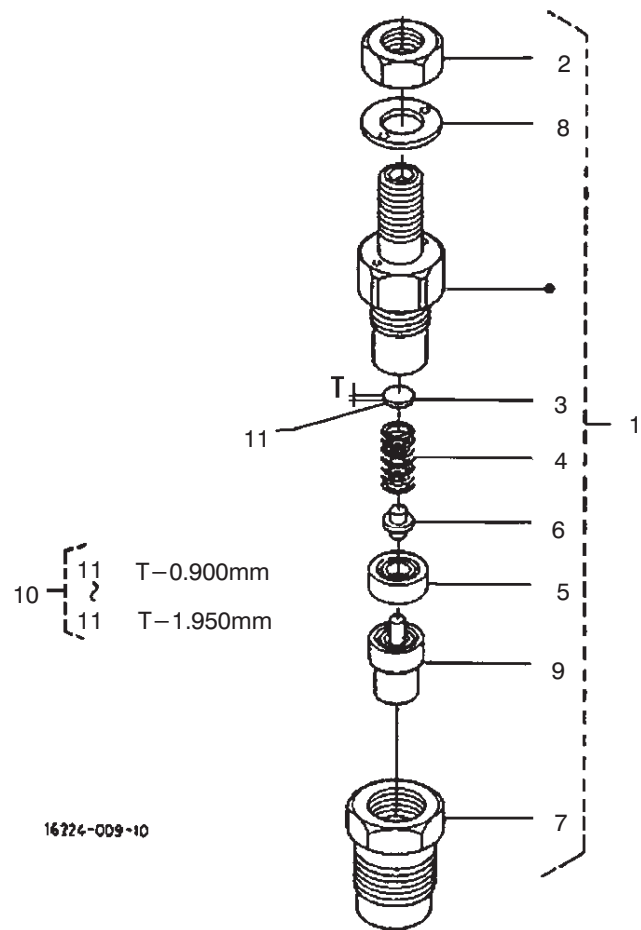
Ref. No.	Part No.	Qty.	Description



Sheet No.:18

Nozzle Holder and Glow Plugs Assembly

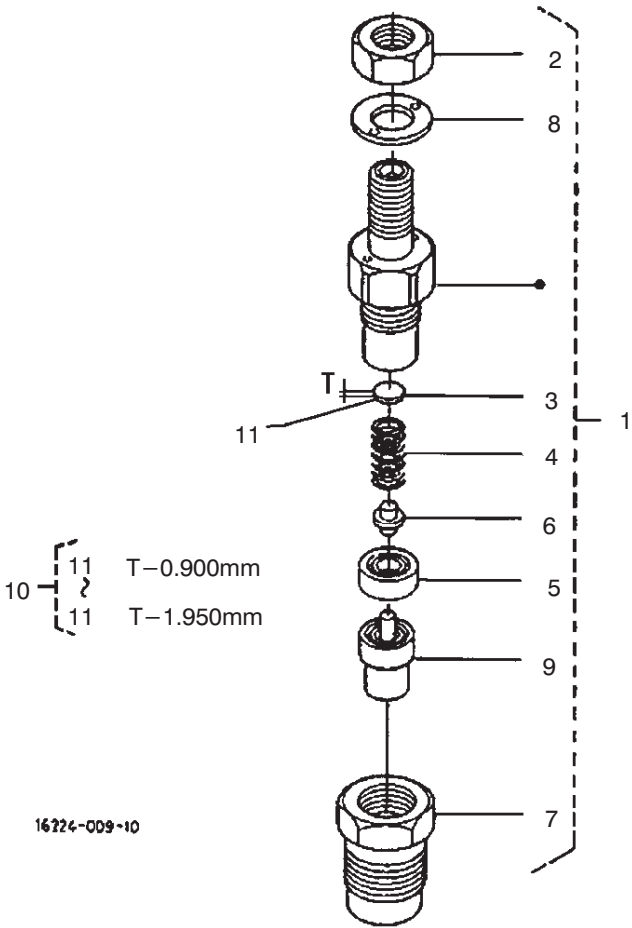
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	100-1960	1	Over Flow Pipe ASM				
2	98-9420	1	Over Flow Pipe ASM				
3	98-7671	2	Clip-Pipe				
4	98-9431	1	Screw-Bleeder, Air				
5	98-7654	1	Gasket				
6	100-1758	3	Nozzle Holder ASM				
7	98-7676	3	Gasket				
8	98-7677	3	Seal				
9	100-2011	1	Pipe-Injection				
10	100-2013	1	Pipe-Injection				
11	100-2036	1	Pipe-Injection				
12	98-7682	2	Clamp-Pipe				
13	98-7683	2	Clamp-Pipe				
14	98-7684	2	Screw,w/Washer				
15	100-1854	3	Plug-Glow				
16	100-2037	1	Cord-Plug, Glow				



Sheet No.:19

Nozzle Holder (Complete Parts)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	100-1758	3	Nozzle Holder ASM	11	98-7856	1	Washer - Adj. (1.300)
2	98-7613	3	Nut	11	98-7857	1	Washer - Adj. (1.325)
3	98-7642	3	Washer-Adjusting	11	98-7858	1	Washer - Adj. (1.350)
4	98-7647	3	Spring-Nozzle	11	98-7859	1	Washer - Adj. (1.375)
5	98-7665	3	Piece-Distant	11	98-7860	1	Washer - Adj. (1.400)
6	98-7666	3	Rod-Push	11	98-7861	1	Washer - Adj. (1.425)
7	100-2242	3	Nut-Nozzle	11	98-7862	1	Washer - Adj. (1.450)
8	98-7668	3	Washer	11	98-7863	1	Washer - Adj. (1.475)
9	100-2009	3	Piece-Nozzle	11	98-7864	1	Washer - Adj. (1.500)
10	98-9448	1	Adj Washer ASM	11	98-7865	1	Washer - Adj. (1.525)
11	98-7642	1	Washer - Adj. (.900)	11	98-7866	1	Washer - Adj. (1.550)
11	98-7841	1	Washer - Adj. (.925)	11	98-7867	1	Washer - Adj. (1.575)
11	98-7842	1	Washer - Adj. (.950)	11	98-7868	1	Washer - Adj. (1.600)
11	98-7843	1	Washer - Adj. (.975)	11	98-7869	1	Washer - Adj. (1.625)
11	98-7844	1	Washer - Adj. (1.000)	11	98-7870	1	Washer - Adj. (1.650)
11	98-7845	1	Washer - Adj. (1.025)	11	98-7871	1	Washer - Adj. (1.675)
11	98-7846	1	Washer - Adj. (1.050)	11	98-7872	1	Washer - Adj. (1.700)
11	98-7847	1	Washer - Adj. (1.075)	11	98-7873	1	Washer - Adj. (1.725)
11	98-7848	1	Washer - Adj. (1.100)	11	98-7874	1	Washer - Adj. (1.750)
11	98-7849	1	Washer - Adj. (1.125)	11	98-7875	1	Washer - Adj. (1.775)
11	98-7850	1	Washer - Adj. (1.150)	11	98-7876	1	Washer - Adj. (1.800)
11	98-7851	1	Washer - Adj. (1.175)				
11	98-7852	1	Washer - Adj. (1.200)				
11	98-7853	1	Washer - Adj. (1.225)				
11	98-7854	1	Washer - Adj. (1.250)				
11	98-7855	1	Washer - Adj. (1.275)				

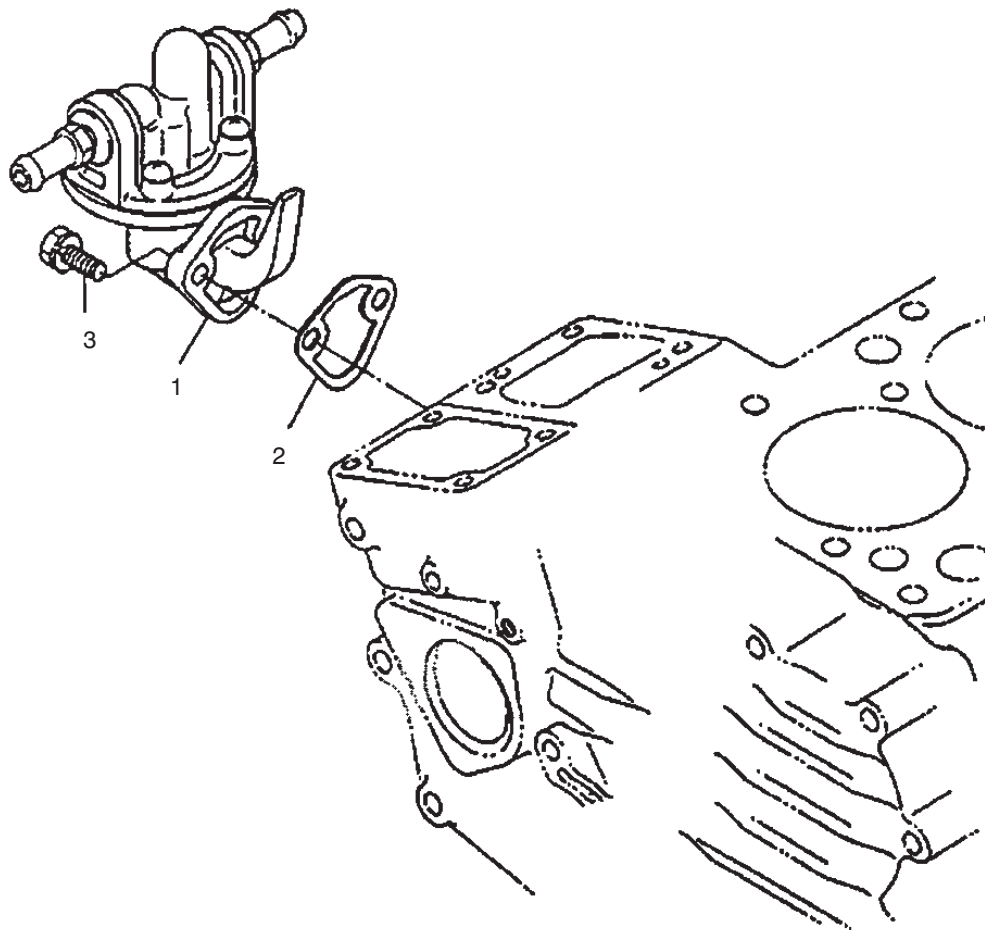


Sheet No.:19

Nozzle Holder (Complete Parts Continued)

Ref. No.	Part No.	Qty.	Description
11	98-7877	1	Washer – Adj. (1.825)
11	98-7878	1	Washer – Adj. (1.850)
11	98-7879	1	Washer – Adj. (1.875)
11	98-7880	1	Washer – Adj. (1.900)
11	98-7881	1	Washer – Adj. (1.925)
11	98-7882	1	Washer – Adj. (1.950)

Ref. No.	Part No.	Qty.	Description

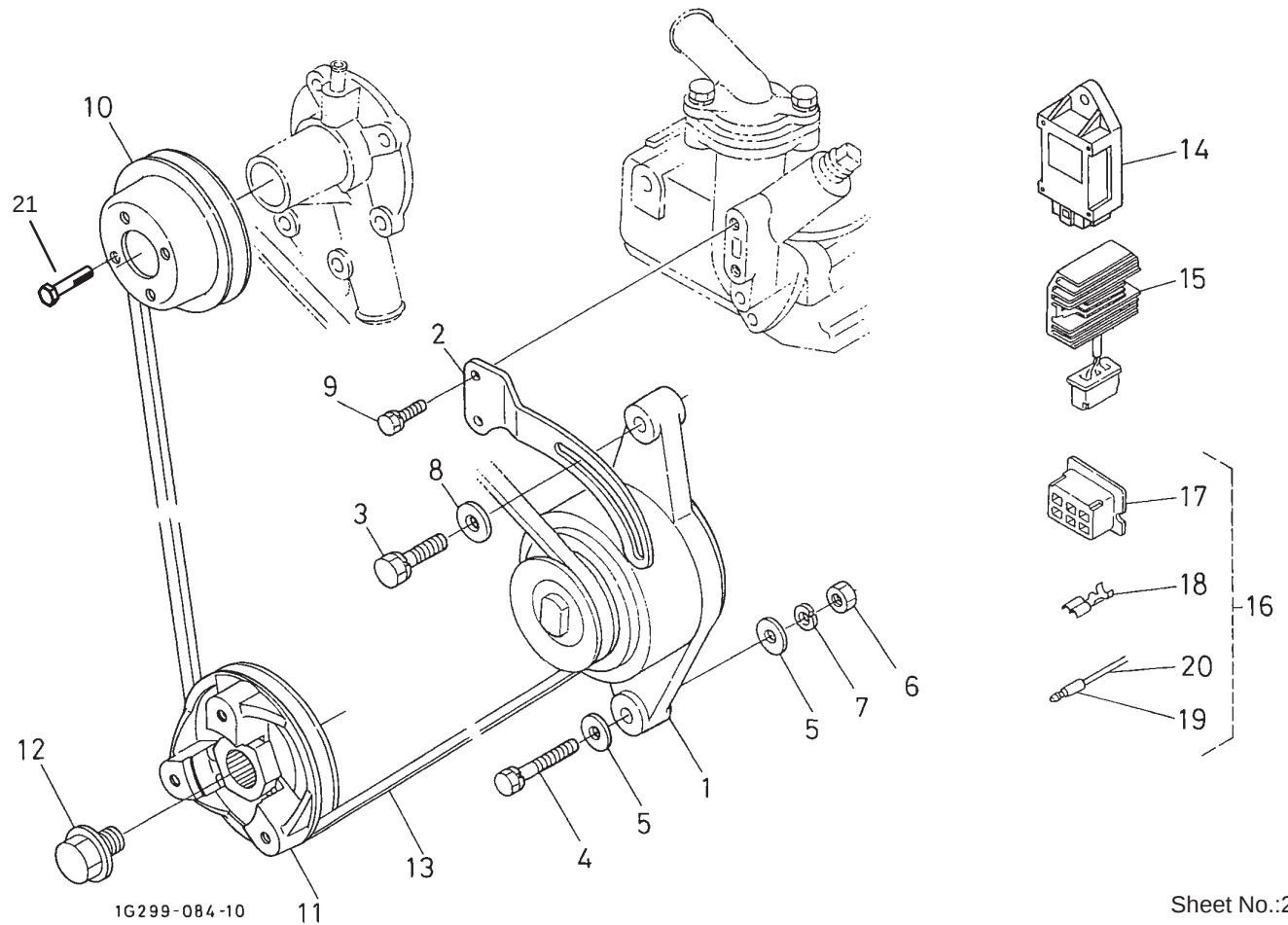


Sheet No.:20

Fuel Pump (Mechanical)

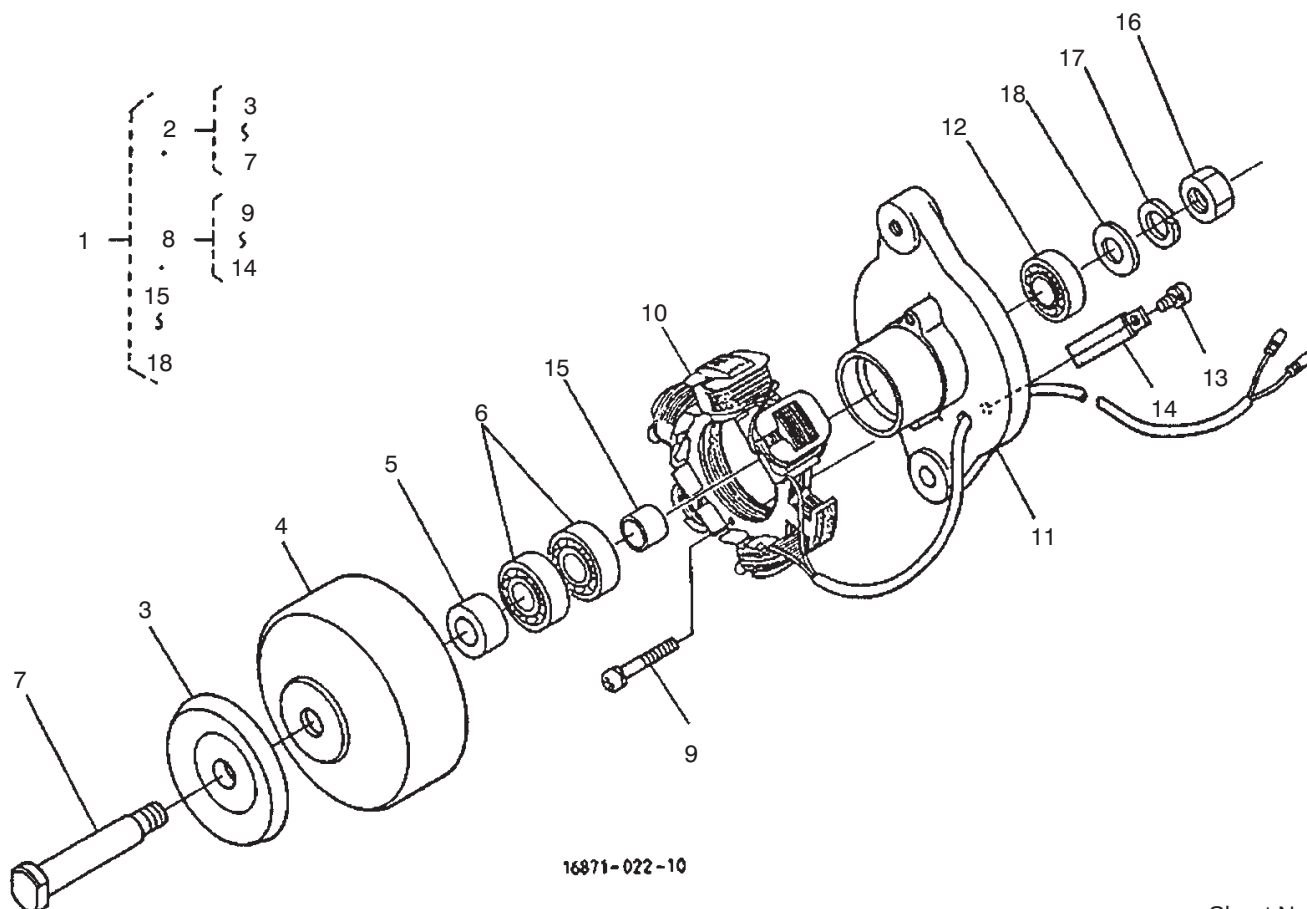
Ref. No.	Part No.	Qty.	Description
1	100-2232	1	Fuel Pump ASM
2	98-9636	1	Gasket-Pump, Fuel
3	98-7692	2	Bolt

Ref. No.	Part No.	Qty.	Description



Dynamo and Pulley Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	100-2168	1	Dynamo ASM				
2	100-2214	1	Stay-Dynamo				
3	98-7697	1	Bolt				
4	100-1771	1	Bolt				
5	98-7660	2	Washer-Plain				
6	98-7739	1	Nut				
7	98-7535	1	Washer-Spring				
8	100-1782	1	Washer-Plain				
9	98-7692	2	Bolt				
10	100-1921	1	Pulley-Fan				
11	100-2039	1	Pulley-Drive, Fan				
12	100-1978	1	Bolt				
13	100-1979	1	V-Belt				
14	98-7611	1	Controller-Glow, F/W				
15	100-2057	1	Regulator ASM				
16	100-2058	1	Coupler ASM				
17	100-2056	1	Connector				
18	98-9699	6	Terminal				
19	98-9701	2	Terminal				
20	98-9702	2	Sleeve				
21	100-1773	4	Bolt-Flange				

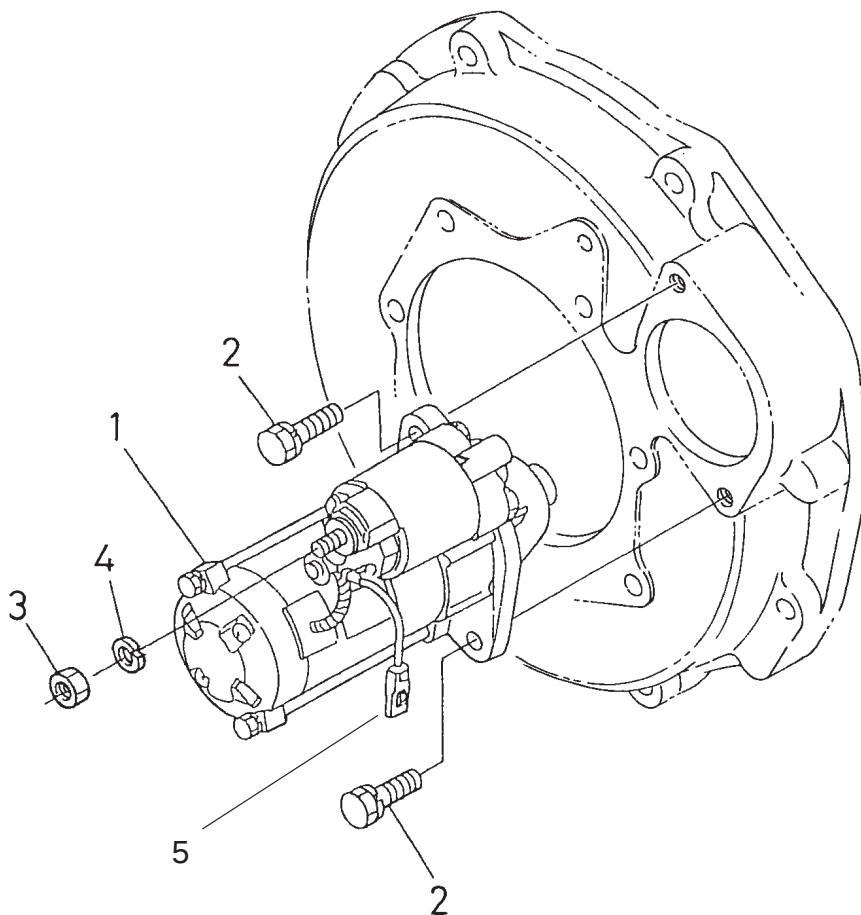


Sheet No.:22

Dynamo (Complete Parts)

Ref. No.	Part No.	Qty.	Description
1	100-2168	1	Dynamo ASM
2	100-1862	1	Rotor-Comp.
3	100-2228	1	Pulley
4	100-1860	1	Rotor
5	100-2184	1	Collar
6	100-1756	2	Bearing-Ball
7	100-1867	1	Shaft-Fan
8	100-1866	1	Stator-Comp.
9	100-1848	2	Screw-Head, Round
10	100-1865	1	Stator
11	100-1861	1	Plate
12	100-1756	1	Bearing-Ball
13	100-1868	1	Screw-Head, Round
14	100-1864	1	Clamp-Cord
15	100-1844	1	Collar
16	100-1847	1	Nut
17	100-1850	1	Washer-Spring
18	100-1849	1	Washer-Plain

Ref. No.	Part No.	Qty.	Description

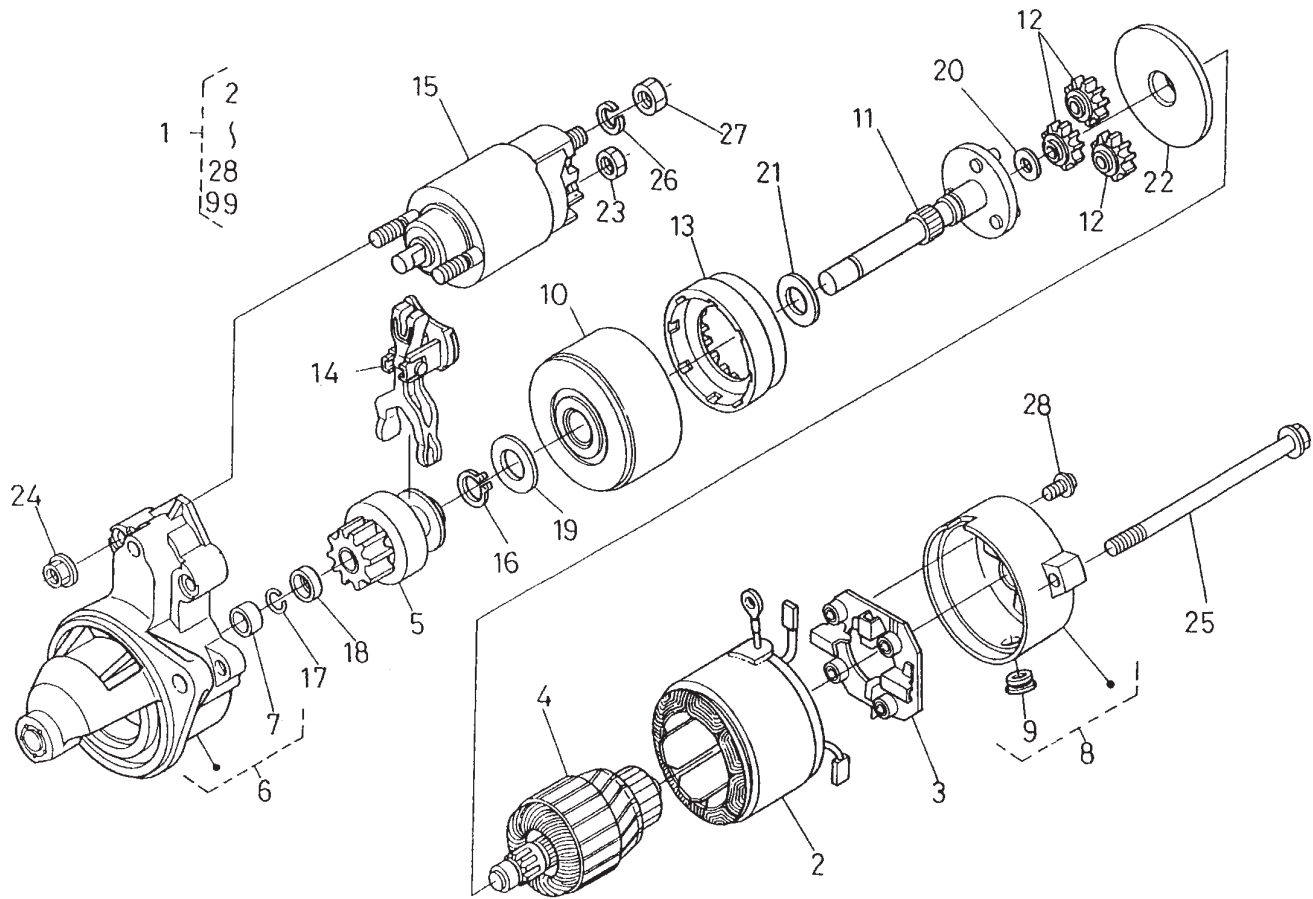


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Sheet No.:23

Starter Assembly

Ref. No.	Part No.	Qty.	Description
1	100-2179	1	Starter ASM
2	100-7438	2	Bolt
3	98-7739	1	Nut
4	98-7535	1	Washer-Spring
5	99-1434	1	Wire-Lead



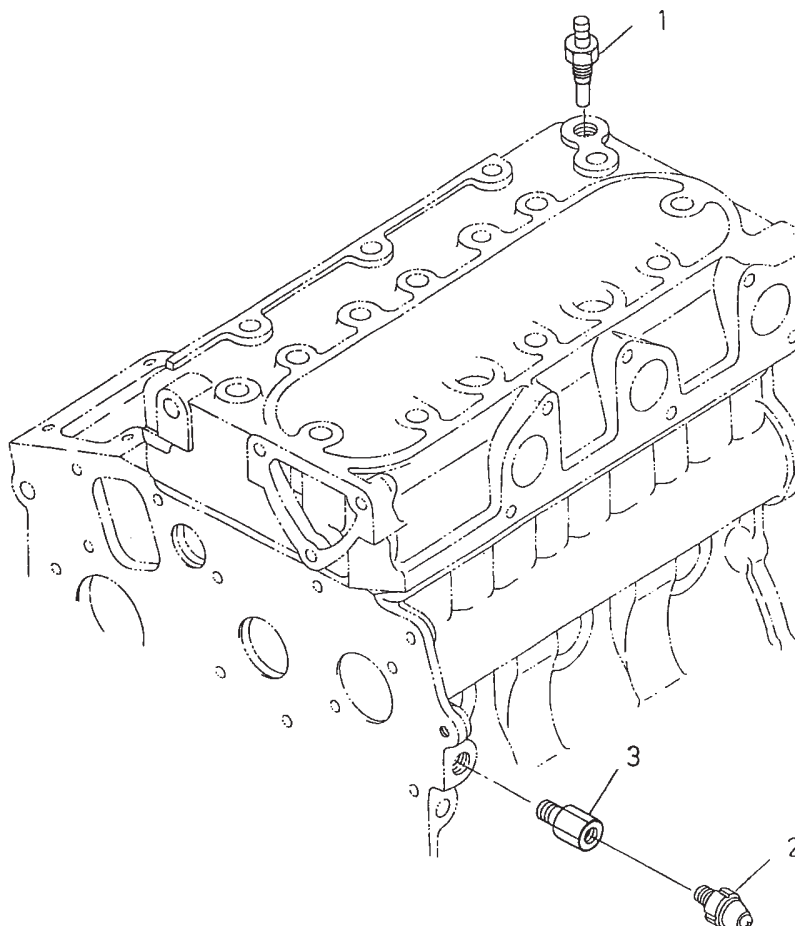
67992-001-10

Sheet No.:24

Starter (Complete Parts)

Ref. No.	Part No.	Qty.	Description
1	100-2179	1	Starter ASM
2	100-2181	1	Starter Yoke ASM
3	100-2222	1	Holder ASM
4	100-2182	1	Armature ASM
5	100-2185	1	Starter Clutch ASM
6	100-2180	1	Starter Housing ASM
7	100-2183	1	Bearing
8	100-2186	1	Frame ASM
9	100-2213	1	Cover
10	100-2223	1	Bearing ASM
11	100-2187	1	Starter Shaft ASM
12	100-2220	3	Gear
13	100-2221	1	Gear
14	100-2218	1	Lever
15	100-2211	1	Magnetic Switch ASM
16	100-2219	1	Ring-Snap
17	100-2212	1	Ring-Snap
18	100-2216	1	Collar
19	100-2224	1	Washer-Plain
20	100-2225	1	Washer-Plain
21	100-2226	1	Washer-Plain
22	100-2227	1	Plate
23	100-2243	1	Nut-Hex
24	100-1813	2	Nut
25	100-2210	2	Bolt-Through
26	100-2215	1	Washer-Spring

Ref. No.	Part No.	Qty.	Description
27	100-2171	1	Nut-Hex
28	100-2188	2	Screw
99	99-1434	1	Wire-Lead



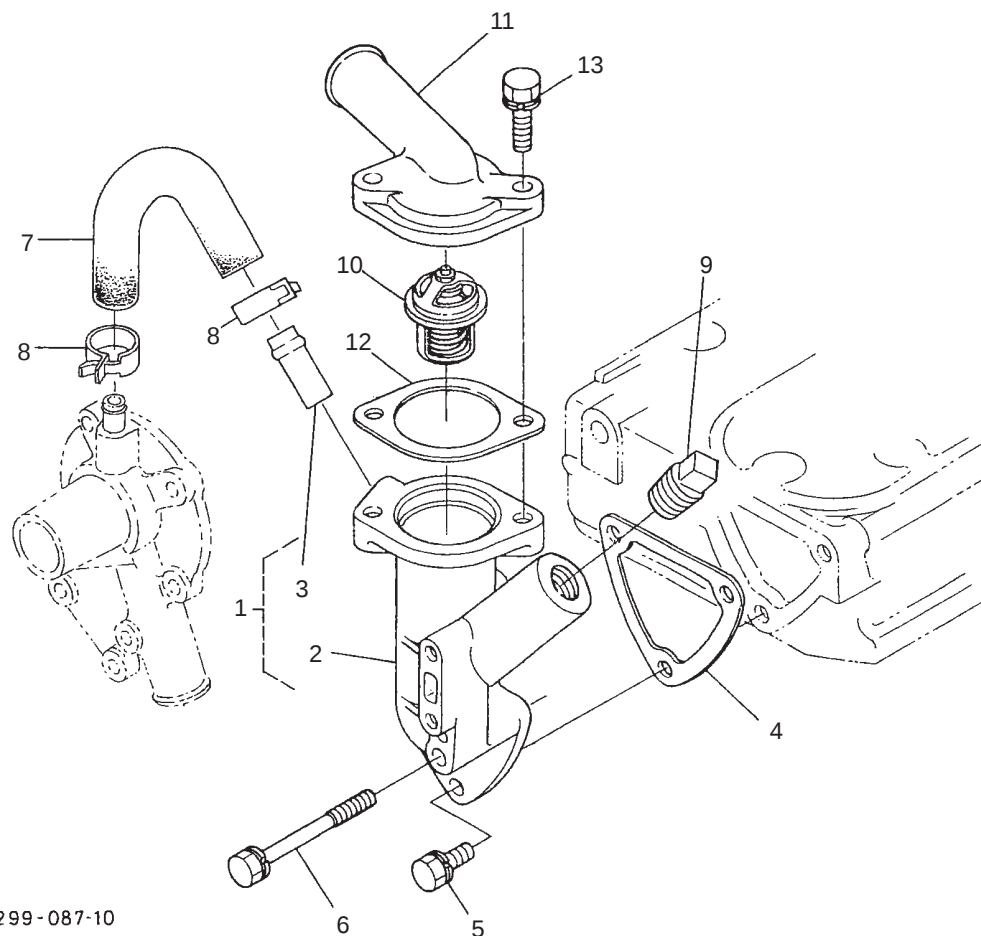
1G299-086-10

Sheet No.:25

Oil Switch and Thermostwitch Assembly

Ref. No.	Part No.	Qty.	Description
1	99-3582	1	Thermo-Switch
2	98-7764	1	Switch-Oil
3	100-2170	1	Holder-Signal, Oil

Ref. No.	Part No.	Qty.	Description



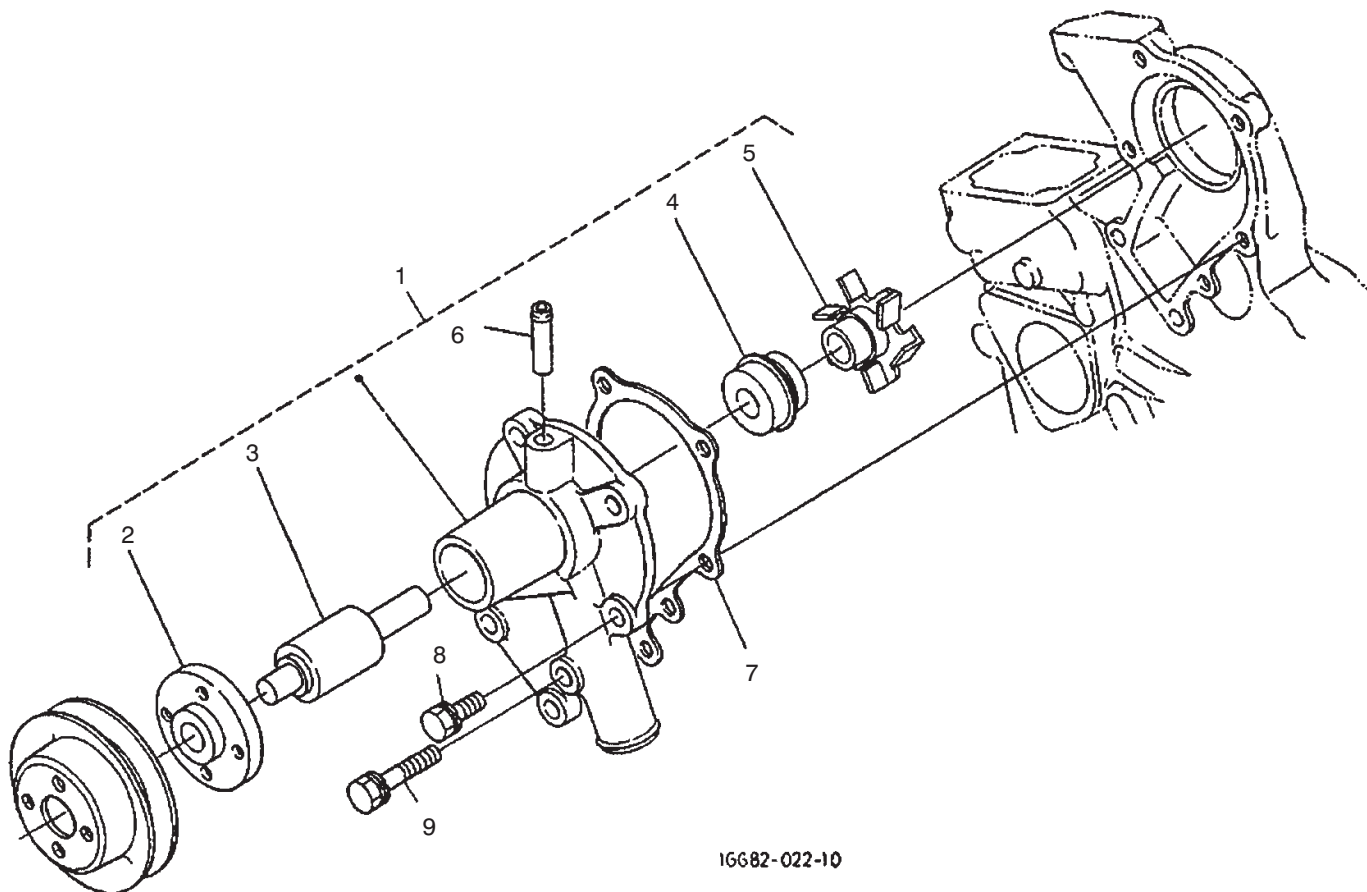
1G299-087-10

Sheet No.:26

Water Flange and Thermostat Assembly

Ref. No.	Part No.	Qty.	Description
1	100-2165	1	Flange-Water, Comp.
2	100-2166	1	Flange-Water
3	98-9580	1	Pipe-Return, Water
4	100-1919	1	Gasket-Flange, Water
5	98-7692	2	Bolt
6	100-1977	1	Bolt
7	100-2017	1	Pipe-Return, Water
8	98-9579	2	Band-Pipe
9	100-1789	1	Plug
10	100-2053	1	Thermostat ASM
11	100-1920	1	Cover-Thermostat
12	100-1869	1	Gasket-Thermostat
13	98-9353	2	Bolt

Ref. No.	Part No.	Qty.	Description

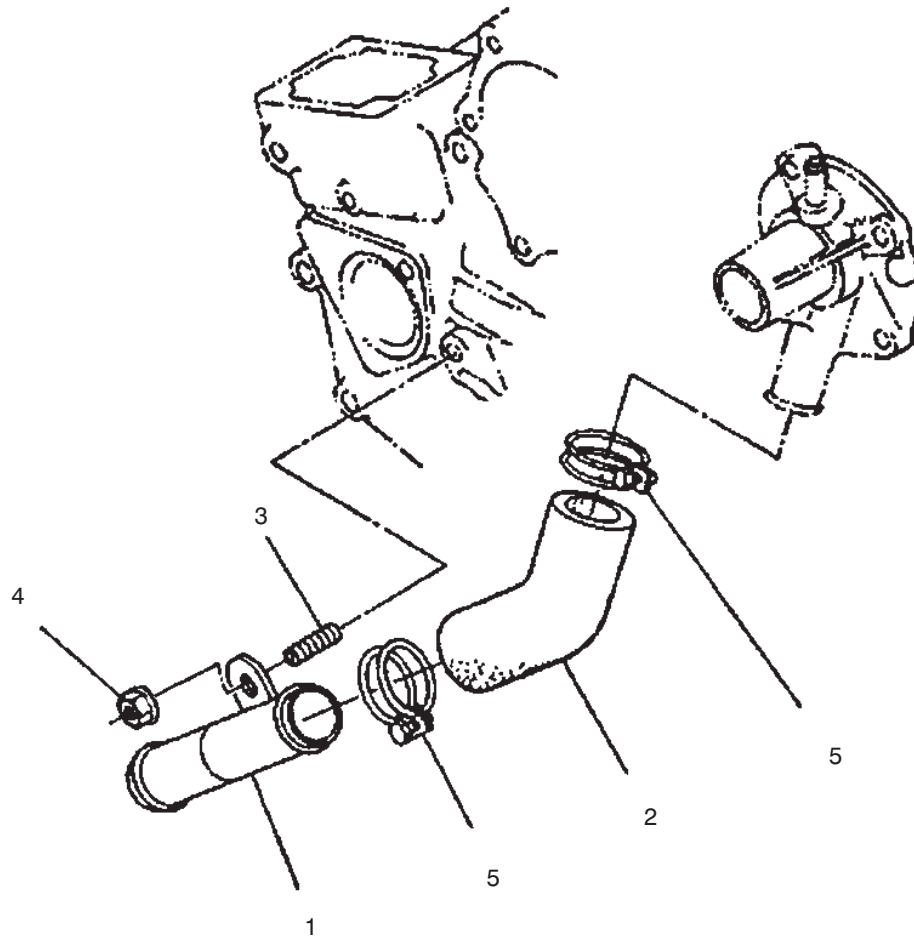


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Sheet No.:27

Water Pump Assembly

Ref. No.	Part No.	Qty.	Description
1	100-2065	1	Water Pump ASM
2	100-1933	1	Flange, Water Pump
3	100-1934	1	Bearing, Ball
4	99-3518	1	Seal ASM, Water Pump
5	100-2067	1	Impeller, Water Pump
6	100-1932	1	Pipe, Water Return
7	100-1976	1	Gasket, Water Pump
8	100-1750	4	Bolt
9	100-1764	1	Bolt

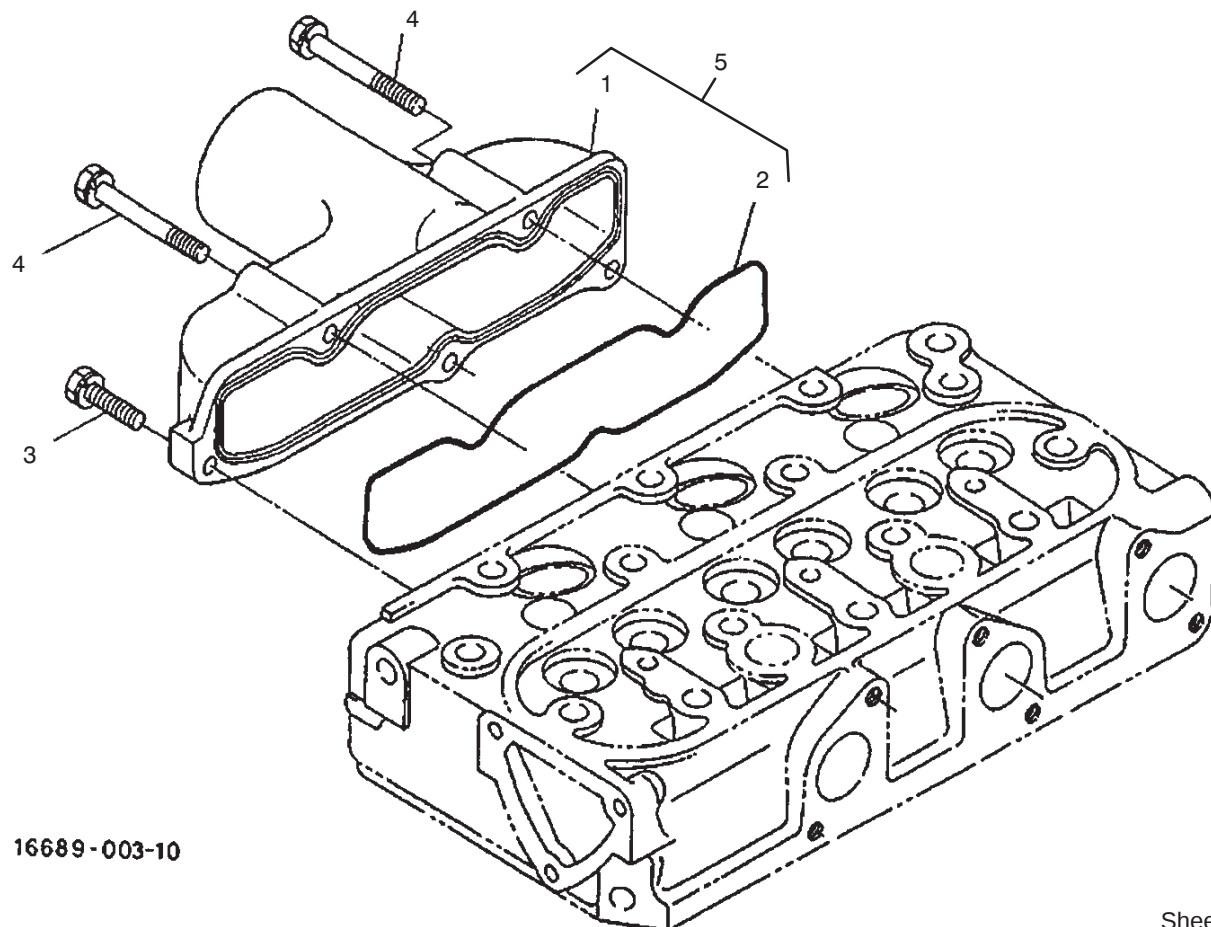


Sheet No.:28

Water Pipe Assembly

Ref. No.	Part No.	Qty.	Description
1	100-1918	1	Pipe, Water
2	100-1975	1	Pipe, Water
3	100-1924	1	Stud
4	100-2203	1	Nut-Flange
5	100-1753	2	Clamp, Hose

Ref. No.	Part No.	Qty.	Description



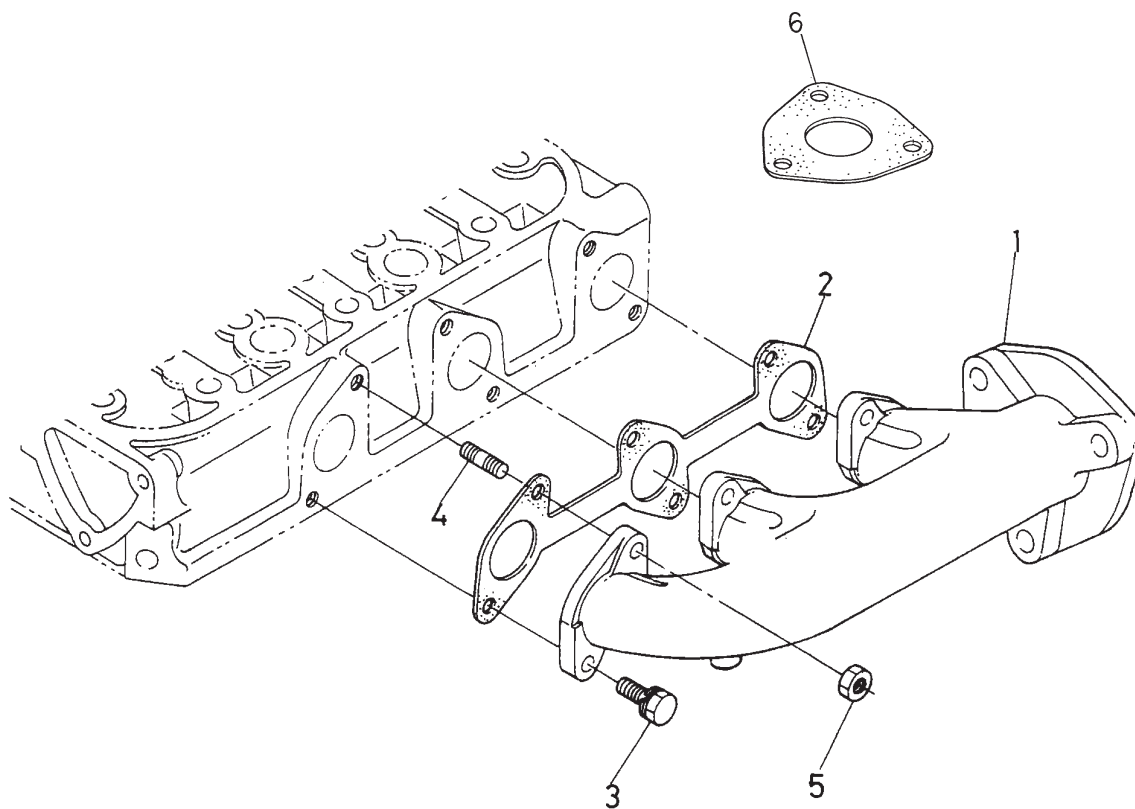
16689-003-10

Sheet No.:30

Inlet Manifold Assembly

Ref. No.	Part No.	Qty.	Description
1	100-2235	1	Manifold, Inlet
2	100-1937	1	Gasket, In-Manifold
3	98-7605	2	Bolt
4	100-1765	3	Bolt
5	100-2236	1	Inlet Manifold ASM

Ref. No.	Part No.	Qty.	Description

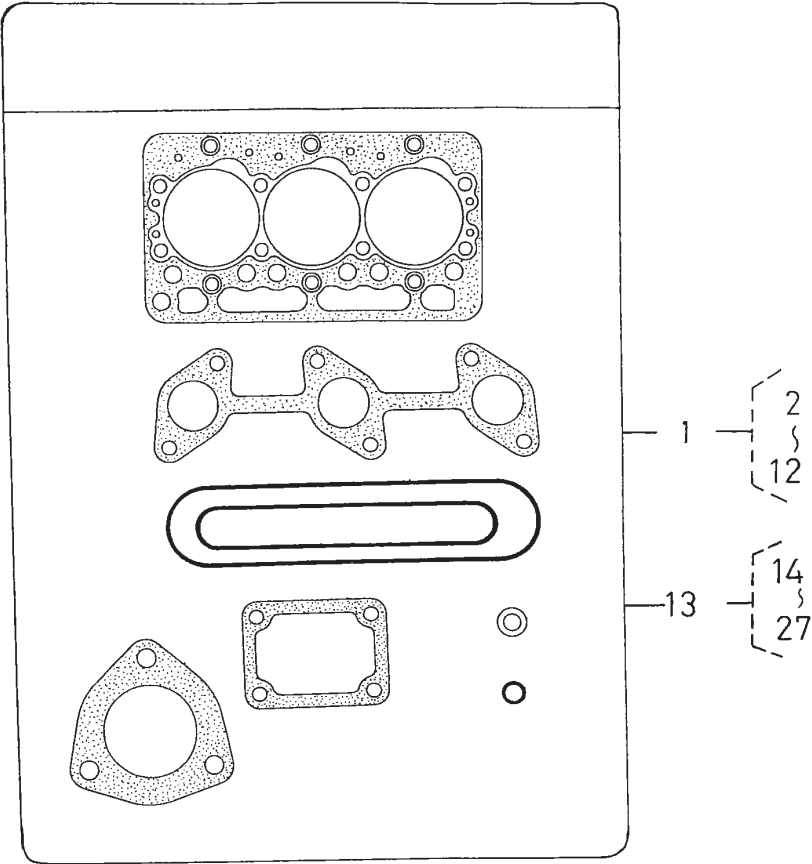


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Sheet No.:31

Exhaust Manifold Assembly

Ref. No.	Part No.	Qty.	Description
1	100-2244	1	Manifold, Exhaust
2	100-1957	1	Gasket
3	100-1775	3	Bolt, Ubs
4	100-2202	3	Stud
5	100-1778	3	Nut, Ubs
6	100-2238	1	Gasket, Muffler



Sheet No.:32

Gasket Kit

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	100-2176	1	Kit-Gasket, Upper	26	100-2208	1	O-Ring
2	98-7509	1	O-Ring	27	100-2207	1	O-Ring
3	100-2043	1	Gasket-Head, Cylinder				
4	100-1937	1	Gasket-In-Manifold				
5	100-1957	1	Gasket				
6	100-1797	6	Seal-Stem, Valve				
7	100-2030	1	Gasket-Cover, Head				
8	98-7654	3	Gasket				
9	99-3446	1	O-Ring				
10	100-1919	1	Gasket-Flange, Water				
11	100-2157	1	Gasket-Thermostat				
12	100-2238	1	Gasket-Muffler				
13	100-2174	1	Kit-Gasket, Lower				
14	100-1976	1	Gasket-Pump, Water				
15	100-1954	1	Gasket-Case, Gear				
16	100-2206	3	O-Ring				
17	100-1929	1	Gasket-Case, Bearing				
18	100-1876	1	Gasket-Case, Bearing				
19	100-2209	1	O-Ring				
20	100-2205	1	O-Ring				
21	100-2003	1	Gasket-Pump, Oil				
22	98-9636	1	Gasket-Pump, Fuel				
23	100-2061	1	Gasket-Gearcase, H/M				
24	100-1914	1	Gasket				
25	98-7428	2	Gasket				

Maintenance Record

[illegible]

