



Dingo[®] 320-D Compact Utility Loader

Model No. 22303-210000001 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.

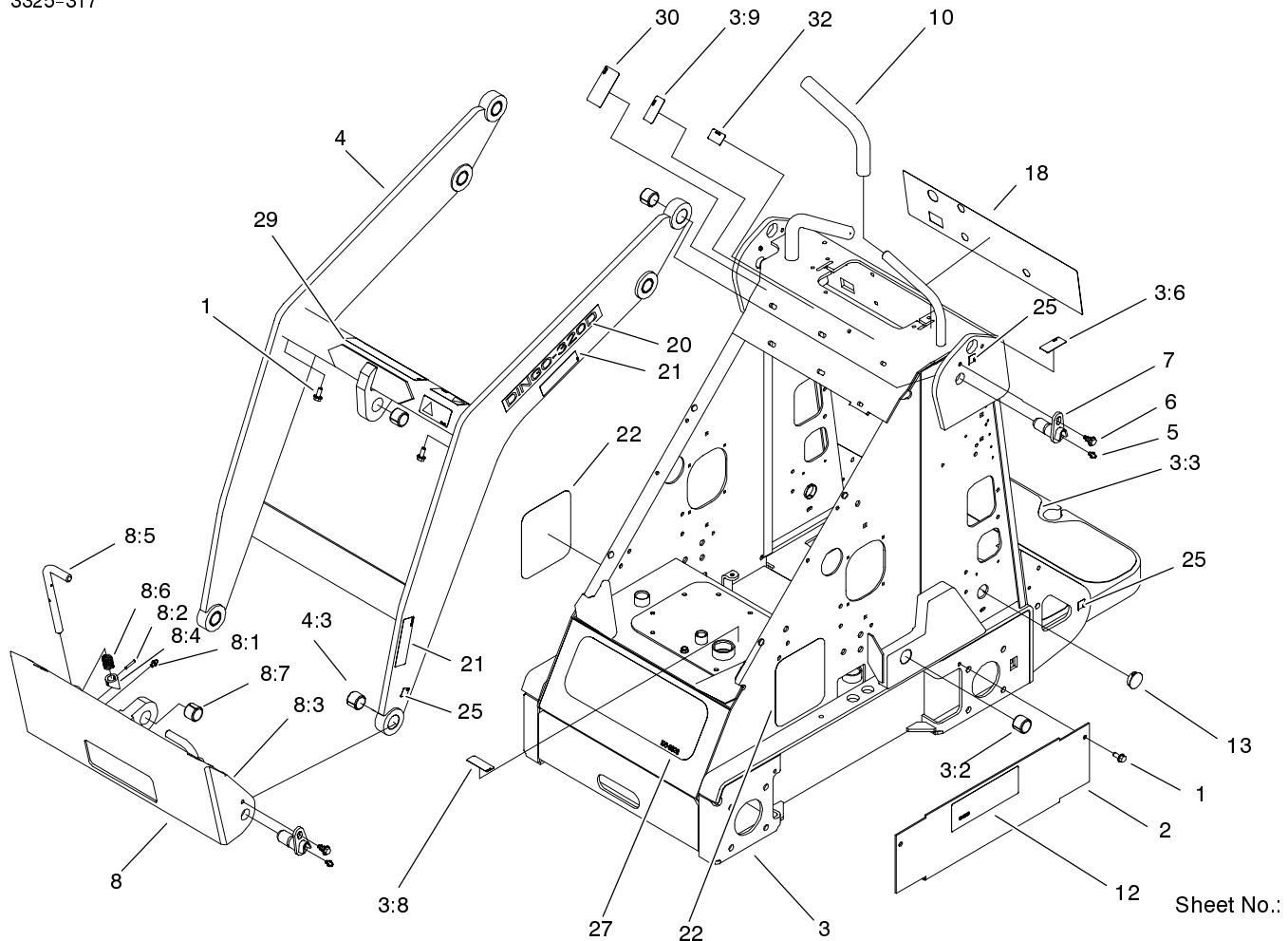
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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

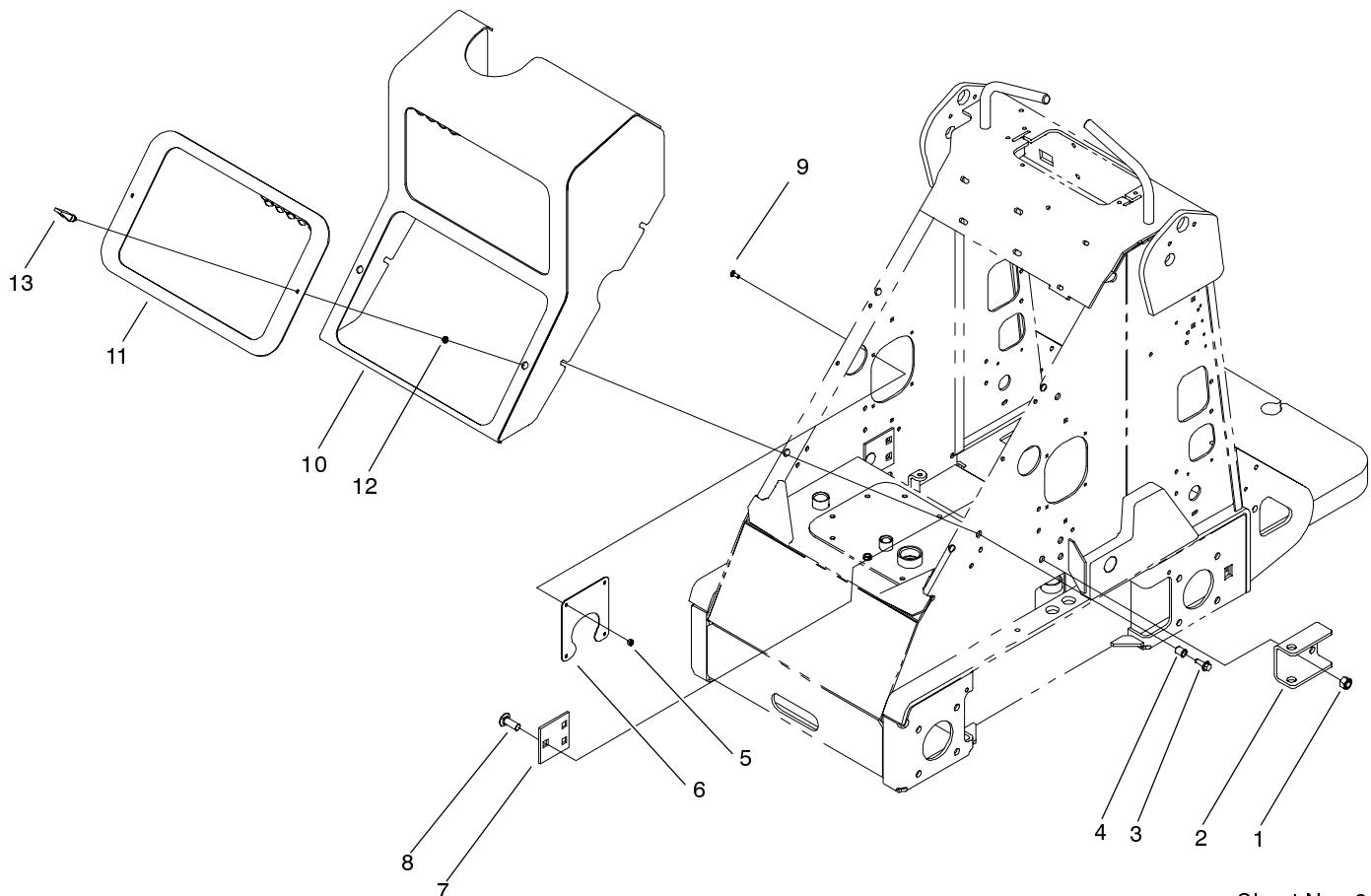


Sheet No.: 2

Frame and Loader Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	32144-70	6	Screw-HH
2	99-3020-01	2	Cover-Hose
3	104-7416	1	Frame ASM
3:2	98-4871	2	Bushing-Tension
3:3	98-9947	2	Tread-Foot
3:6	98-8219	1	Decal-Throttle
3:8	93-6686	1	Decal-Oil, Hydraulic
3:9	98-8235	1	Decal-Selector
4	100-8814	1	Loader ASM
4:2	32144-70	2	Screw-HH
4:3	98-4871	7	Bushing-Tension
5	302-5	4	Fitting-Grease
6	99-5105	4	Bolt-Shoulder
7	99-1414	4	Pin-Pivot
8	98-4690	1	Quick Attach ASM
8:1	302-5	2	Fitting-Grease
8:2	32121-94	2	Pin-Special
8:3	98-4691-03	1	Mount-Attach, Quick
8:4	98-4692	2	Cam-Attach, Quick
8:5	100-3373	2	Pin
8:6	98-4694	2	Spring-Compression
8:7	98-4871	1	Bushing-Tension
10	98-4845	2	Grip-Cushion
12	99-3068	2	Decal-4-Paw
13	94-1402	2	Plug - Hole
18	99-3157	1	Decal-Panel, Control

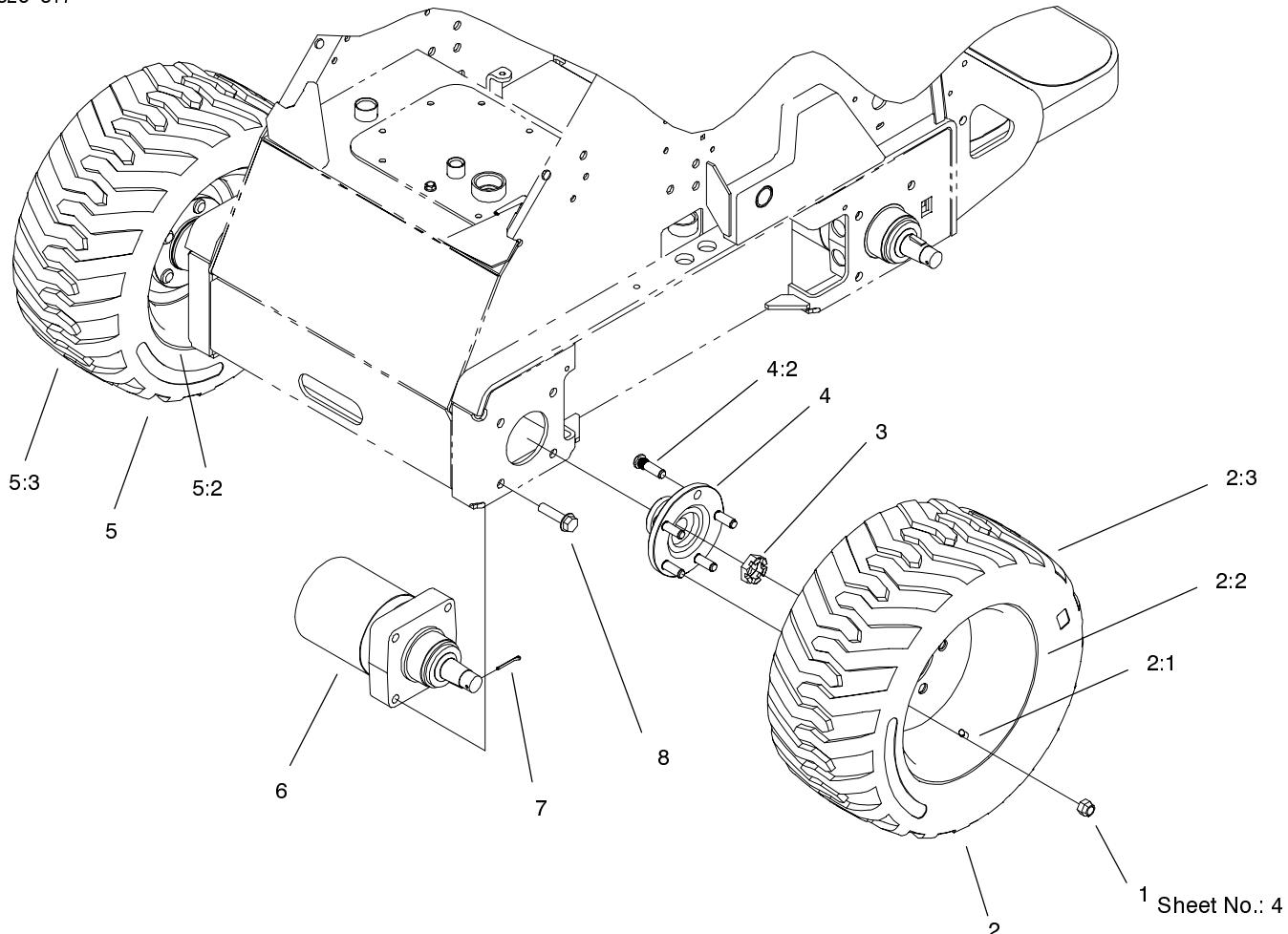
Ref. No.	Part No.	Qty.	Description
20	99-3167	2	Decal-Dingo 320d
21	100-6141	4	Decal-Pinch
22	100-8827	2	Decal-Dingo, Side
25	93-9084	6	Decal-Point, Lift
27	100-8828	1	Decal-Dingo, Front
29	98-4682	1	Decal - Caution
30	98-4677	1	Decal-Power, Auxiliary
32	98-8220	1	Decal-Limiter, Speed



Sheet No.: 3

Hood and Screen Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3296-23	6	Nut-Lock, NI				
2	100-4122-01	2	Bracket-Anchor				
3	3234-29	4	Screw-HHF				
4	32148-8	4	Insert-Threaded				
5	3296-2	4	Nut-Lock				
6	99-1427-03	1	Guard-Muffler				
7	100-4116-01	2	Plate-Anchor				
8	3233-26	6	Screw-CARR				
9	3229-34	4	Bolt-CARR				
10	99-3120-03	1	Hood Weld ASM				
11	99-3118-03	1	Cover, Weld ASM				
12	99-3058	2	Washer				
13	74-5950	2	Latch-Swell				

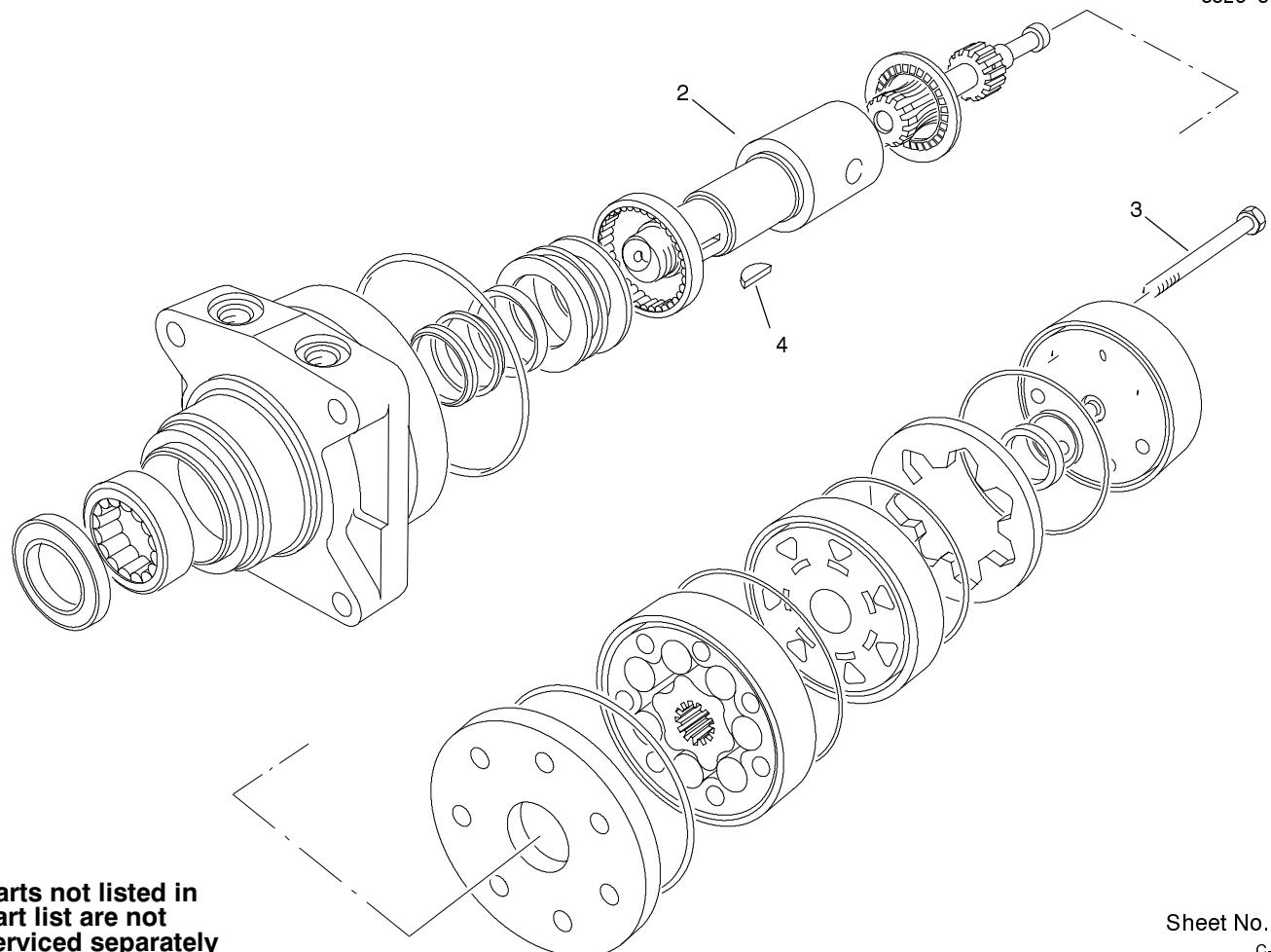


Wheel and Motor Assembly

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
4:2	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

Ref. No.	Part No.	Qty.	Description

* Not illustrated

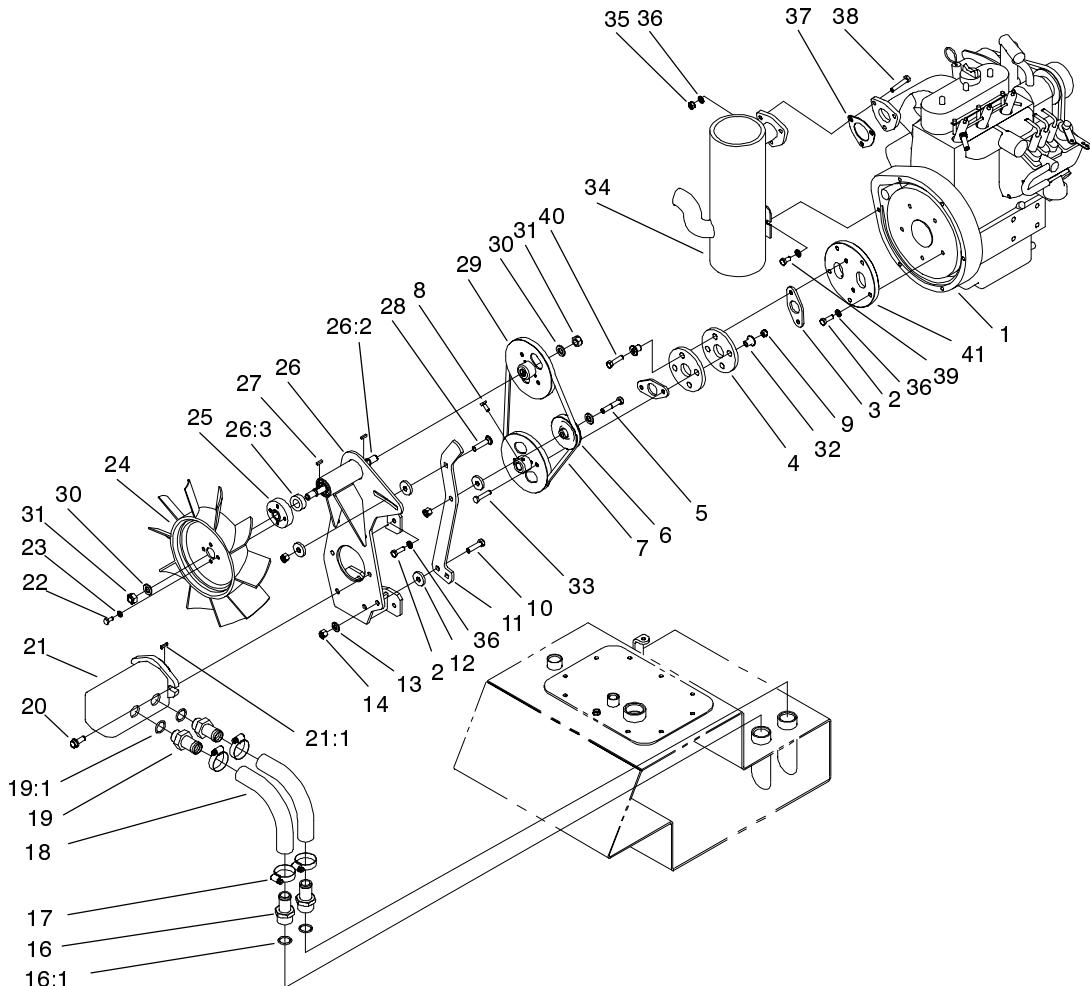


Parts not listed in part list are not serviced separately

Sheet No.: A1
C-2980

Hydraulic Motor Assembly No. 99-3052

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	94-8178	1	Kit-Seal				
2	99-3090	1	Coupling-Shaft				
3	99-3091	7	Screw-Cap, HH				
4	3257-42	1	Key-Woodruff				



Sheet No.: 5

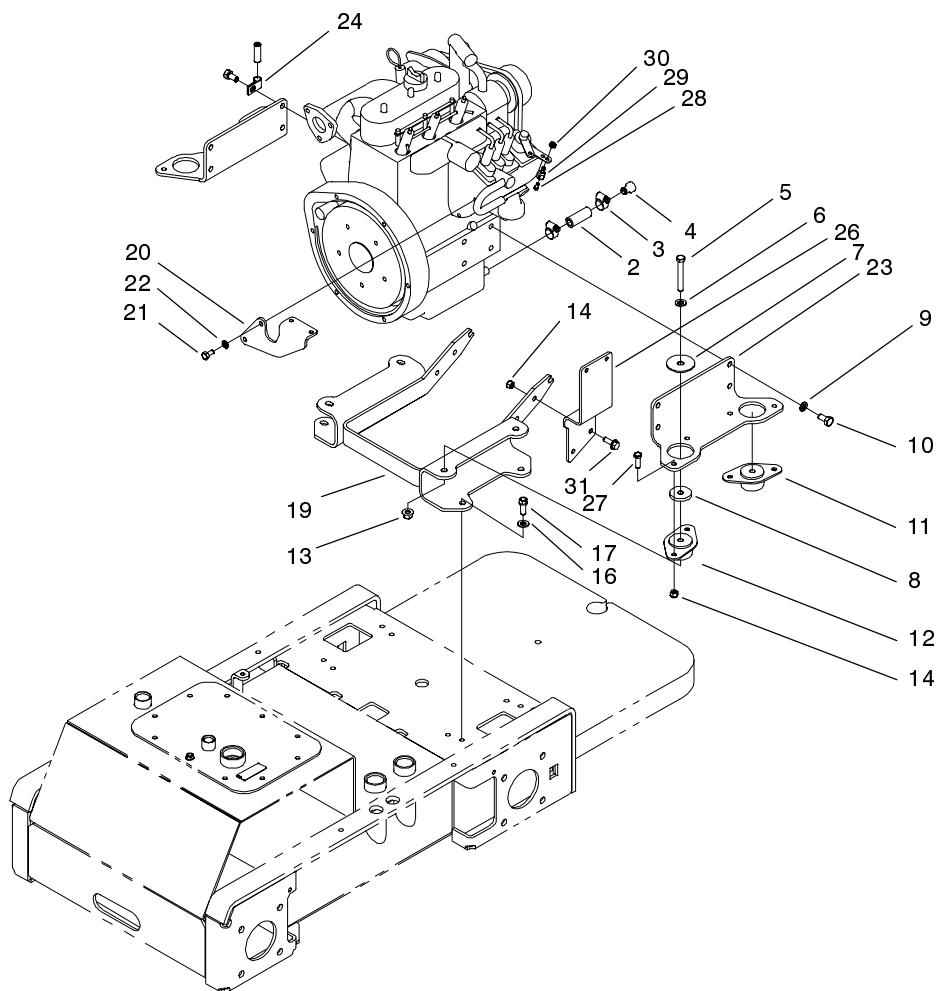
Engine Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	98-4661	1	Engine-D722-E, Kubota	*21:2	99-1353	1	Kit-Seal, Pump
2	99-5131	9	Bolt	22	321-3	4	Screw-HH
3	99-1430	2	Spacer-Coupler	23	3253-3	4	Washer-Lock
4	44-2230	2	Coupling-Rubber	24	99-5119	1	Fan
5	323-10	1	Screw-HH	25	99-1439	1	Adapter-Fan
6	63-8140	1	Pulley-Idler	26	99-1449	1	Pump Mount ASM
7	92-8876	1	V-Belt	26:2	98-0068	1	Shaft-Fan
8	3241-5	2	Screw-Set	26:3	38-7820	2	Bearing-Ball
9	104-9469	2	Nut-Lock	27	100-1715	2	Key-Square
10	323-8	1	Screw-HH	28	3231-5	1	Screw-CARR
11	100-1727-01	1	Mount-Tensioner	29	99-5111	2	Pulley-Keyed
12	99-5121	4	Spacer	30	33096-00	2	Washer-Flat
13	3256-24	2	Washer-Flat	31	98-8089	2	Nut-Lock
14	3296-39	3	Nut-Lock, NI	32	71-4411	4	Spacer
15	98-4700	1	Key-Square	33	5-1470	2	Capscrew
16	354-78	2	Connector-Hose	□34	98-2655	1	Muffler-Arrester, Spark
16:1	237-146	1	O-Ring	◇34	104-2548	1	Muffler-Diesel
17	2412-111	4	Clamp	35	3217-6	3	Nut-Hex
18	99-3046	2	Hose-Suction, Formed	36	3253-4	13	Washer-Lock
				37	100-2238	1	Gasket-Muffler
19	99-3017	2	Fitting	38	322-9	3	Screw-HH
19:1	237-81	1	O-Ring	39	99-5132	1	Bolt
20	66-9300	2	Screw-HF	40	99-5133	2	Bolt
21	98-4702	1	Pump - Gear, Tandem	41	99-1431	1	Adapter-Flywheel
21:1	98-4700	1	Key-Square				

* Not illustrated

◇ Used on Serial Numbers: 210000251 & Up

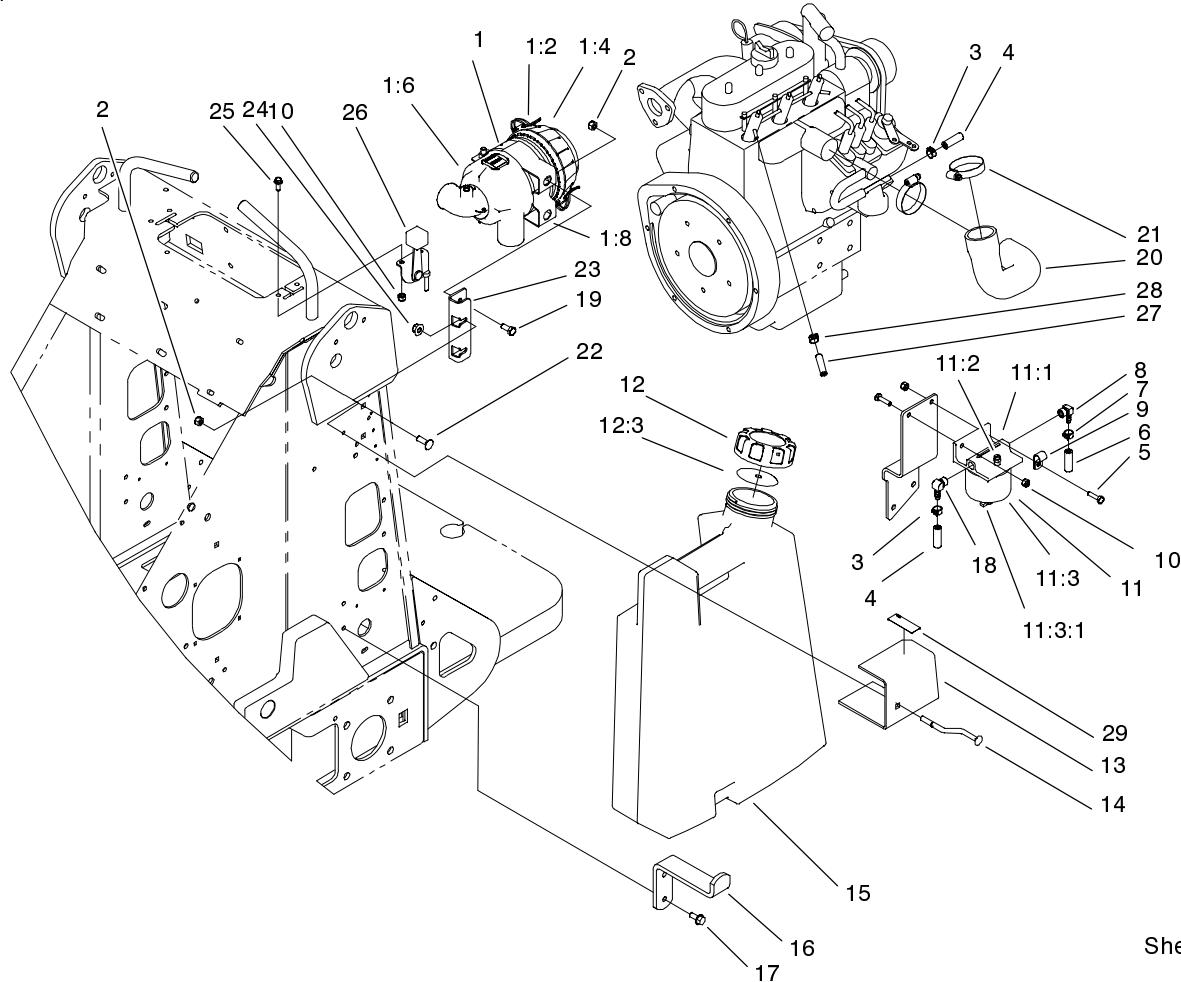
Used on Serial Numbers: 210000101-210000250



Sheet No.: 6

Engine Mount Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
2	56-2230	1	Hose-Fuel	29	93-0021	1	Swivel-Cable, Throttle
3	2412-36	2	Clamp-Hose	30	3296-13	1	Nut-Lock NI
4	99-1445	1	Plug-Oil, Diesel	31	3234-29	2	Screw-HHF
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				
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	10	Nut-Lock				
16	3256-80	4	Washer-Flat				
17	95-1726	4	Screw-Taptite W/Patch				
19	98-0066-01	1	Engine Mount Wa				
20	99-5007-01	1	Mount-Solenoid				
21	99-5132	2	Bolt				
22	3253-4	2	Washer-Lock				
23	98-0055-01	2	Plate-Mount, Engine				
24	2412-138	1	R-Clamp				
26	98-0059-01	1	Mount-Filter, Fuel				
27	322-5	8	Screw-HH				
28	25-8640	1	Screw-HH				



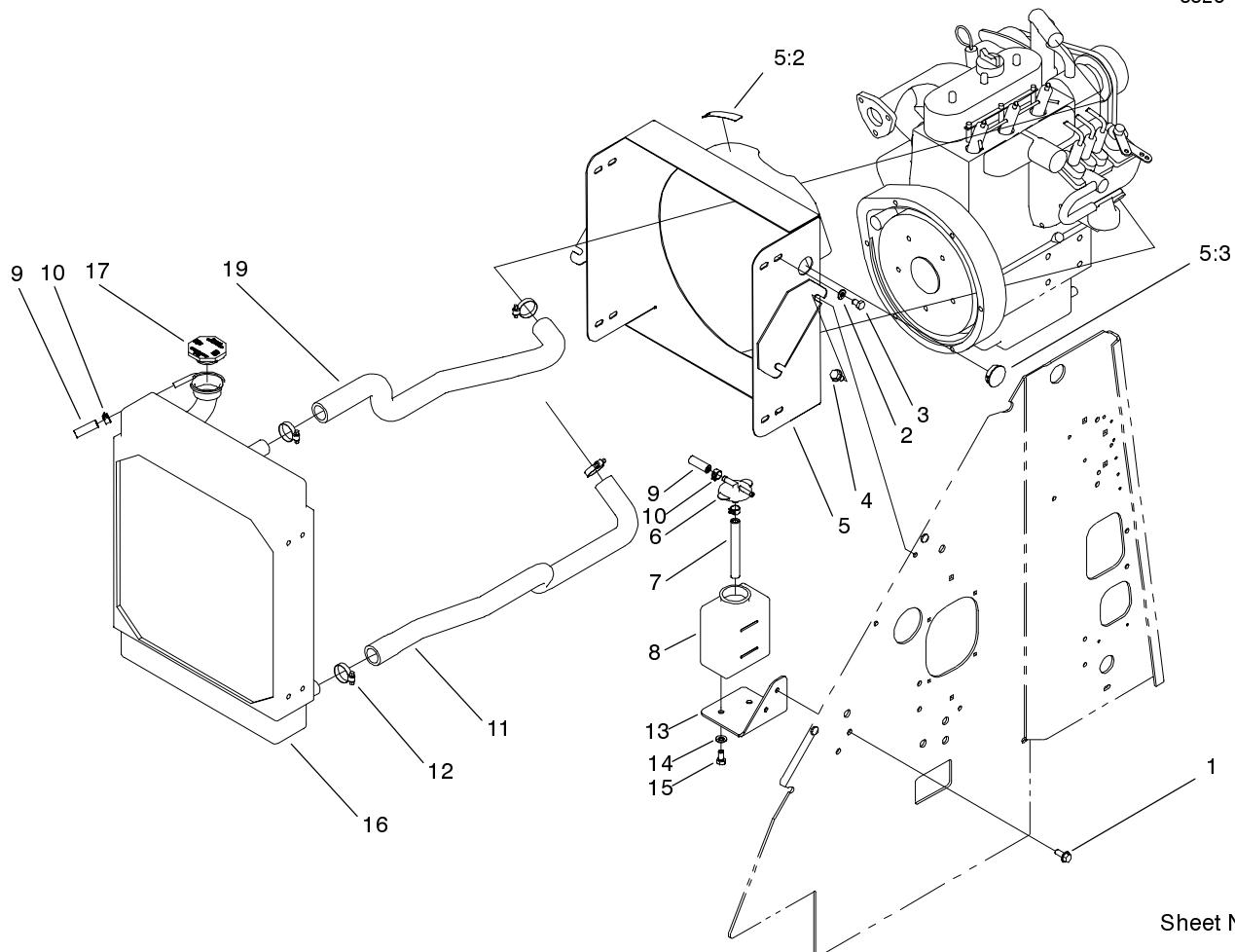
Sheet No.: 7

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 NI
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
11:3:1	63-8310	1	Valve-Drain
12	104-7419	1	Cap-Fuel, Diesel
12:3	104-7420	1	Gasket-Vented

Ref. No.	Part No.	Qty.	Description
13	99-1444-03	1	Plate-Mount, Left
14	98-4657	1	Bolt-Mount
15	99-1425	1	Fuel Tank ASM
*15:3	100-1596	1	Fitting-90 DEG
*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	2412-80	2	Fuel Line Clamp
29	93-6680	1	Decal-Diesel Only

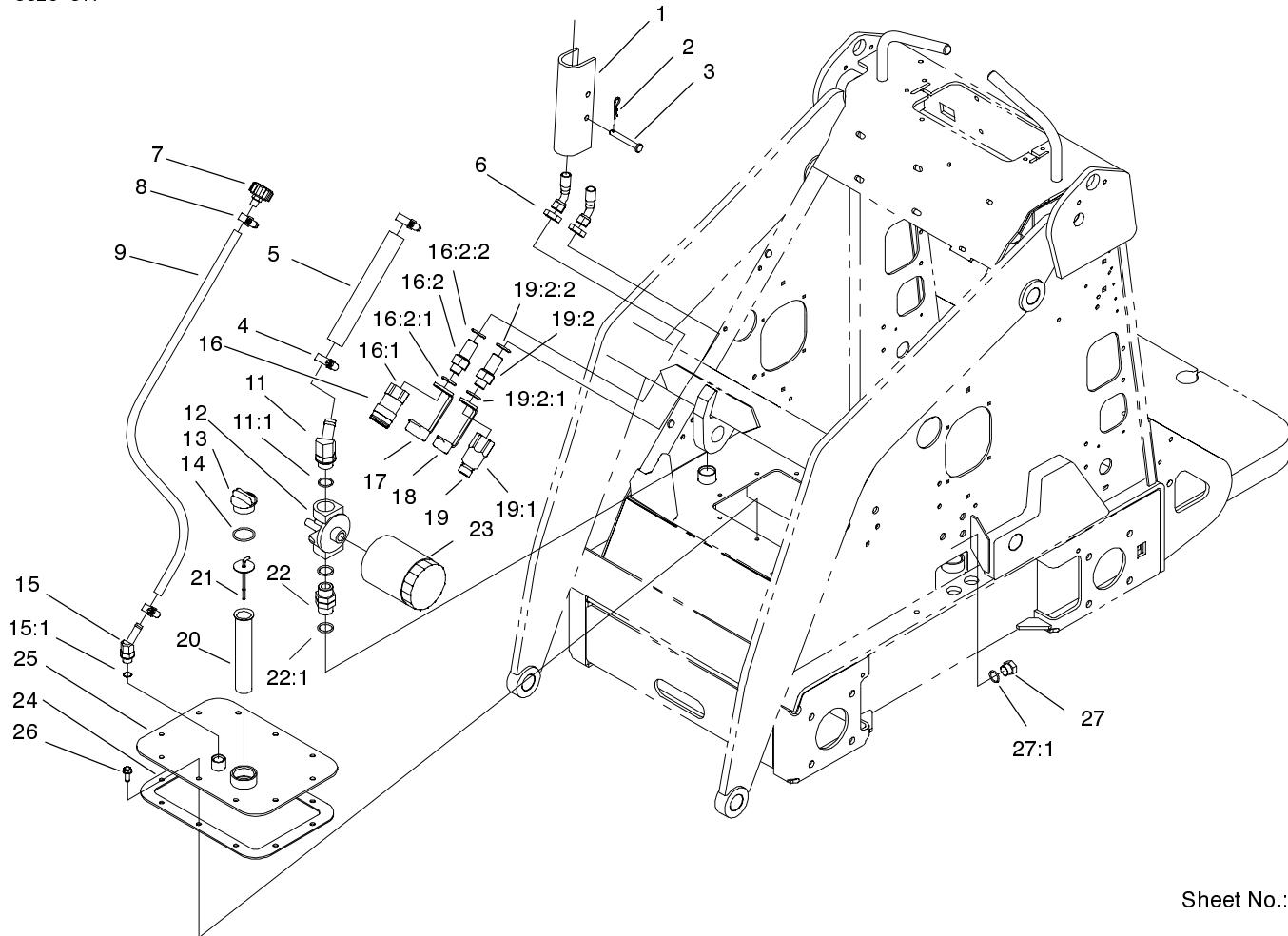
* Not illustrated



Sheet No.: 8

Radiator Mount Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	32144-70	2	Screw-HH				
2	3256-82	8	Washer-Flat				
3	322-1	8	Screw-HH				
4	32144-14	4	Screw-HWH				
5	104-4648	1	Mount-Radiator				
5:2	93-6681	1	Decal-Warning, Fan				
5:3	94-1402	1	Plug - Hole				
6	93-2048	1	Cap-Tank, Overflow				
7	94-1348	1	Hose-Tank				
8	93-2049	1	Tank-Overflow				
9	71-3383	1	Hose-Fuel				
10	92-2379	3	Clamp-Hose				
11	99-5042	1	Hose-Radiator, Lower				
12	2412-34	4	Clamp-Hose				
13	99-1446-01	1	Mount-Tank, Overflow				
14	3256-23	2	Washer-Flat				
15	99-5132	2	Bolt				
16	99-5125	1	Radiator ASM				
17	66-3240	1	Cap-Radiator				
19	99-5043	1	Hose-Radiator,Upper				

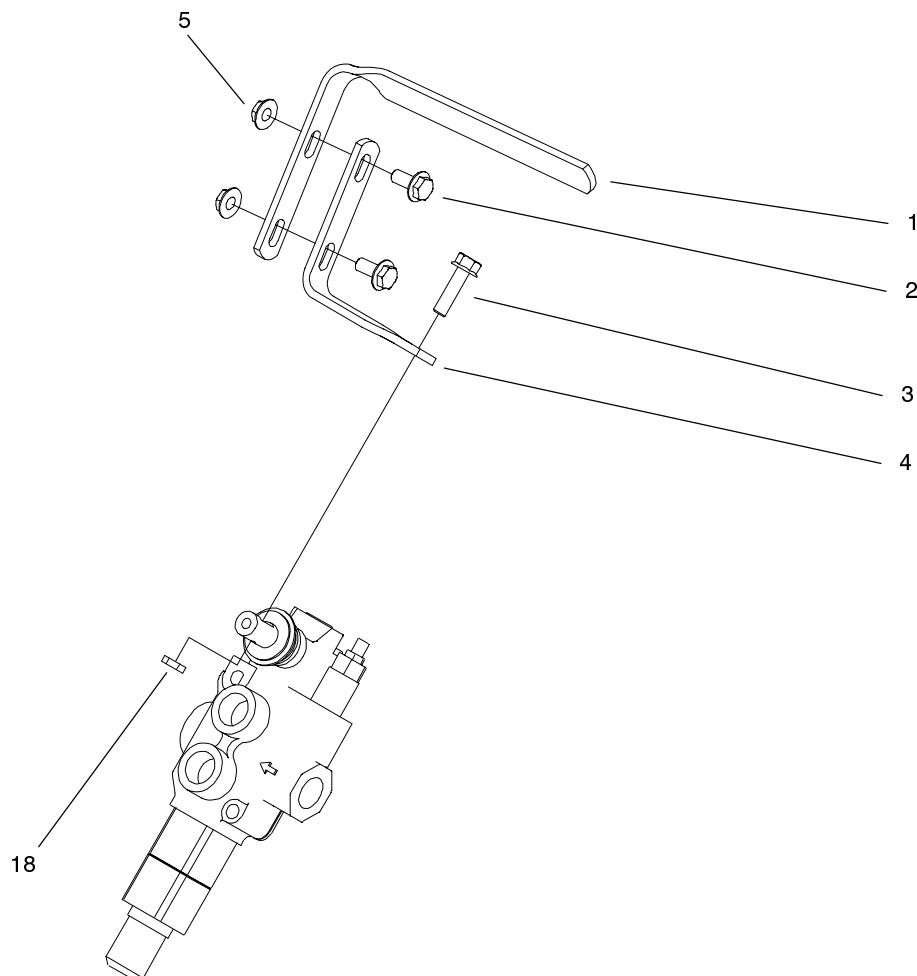


Sheet No.: 9

Hydraulic Tank and Filter Assembly

Ref. No.	Part No.	Qty.	Description
1	98-4675-01	2	Lock-Cylinder
2	3290-467	2	Pin-Hair
3	283-52	2	Pin-Clevis
4	2412-129	2	Clamp-Hose
5	98-2713	1	Hose-Suction, Hydraulic
6	340-74	2	Locknut-Bulkhead
7	68-6150	1	Breather-Air
8	2412-36	2	Clamp-Hose
9	100-1748	1	Hose-Vent
11	354-127	1	Elbow-45 DEG
11:1	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-HYD, 45 DEG
15:1	237-79	1	O-Ring
16	100-4747	1	Bulkhead Coupler ASM
16:1	96-1275	1	Coupler-Face, Flush
16:2	100-4236	1	Fitting-Adapter, Bulkhead
16:2:1	237-65	1	O-Ring
16:2:2	237-80	1	O-Ring
17	100-8815	1	Cap-Dust, Nipple
18	100-8816	1	Cap-Dust, Coupler

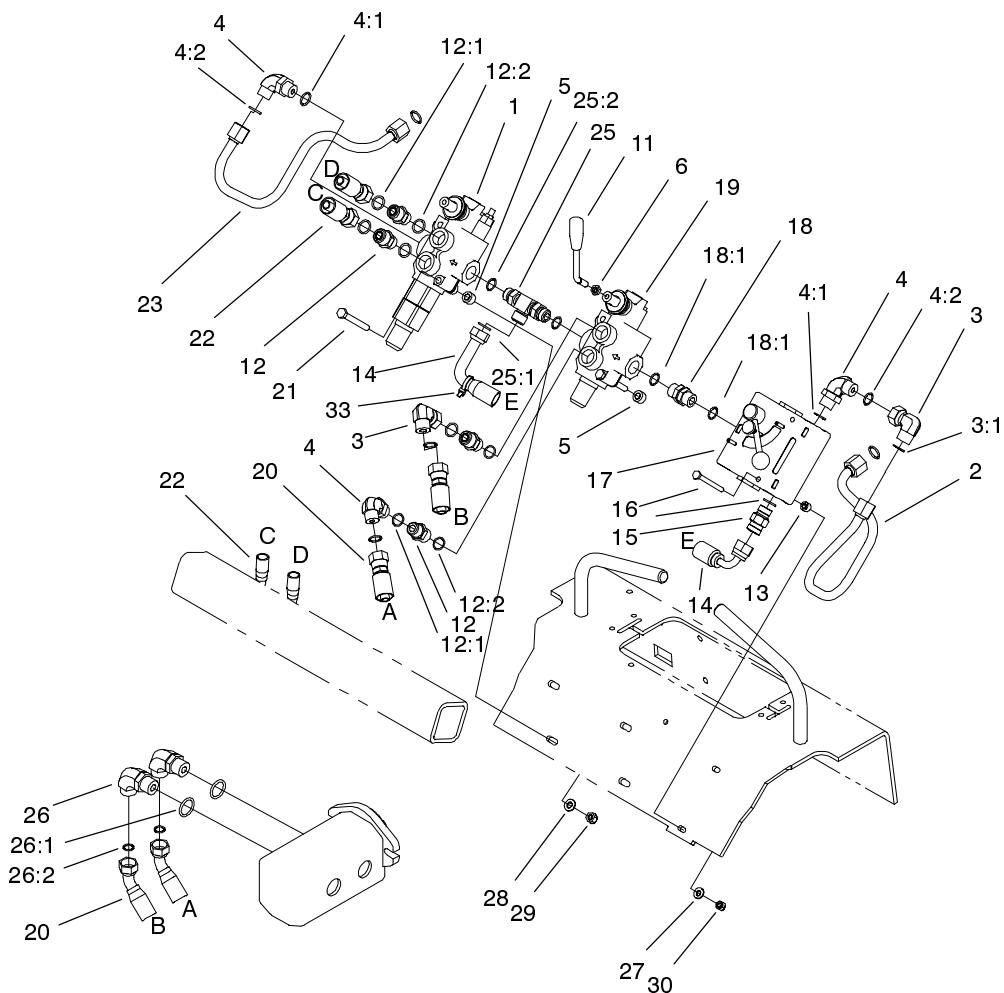
Ref. No.	Part No.	Qty.	Description
19	100-4748	1	Bulkhead Nipple ASM
19:1	96-1276	1	Nipple-Face, Flush
19:2	100-4236	1	Fitting-Adapter, Bulkhead
19:2:1	237-65	1	O-Ring
19:2:2	237-80	1	O-Ring
20	61-2790	1	Filter-Screen
21	100-2097	1	Dipstick-Oil
22	98-9906	1	Fitting-Thread, Straight
22:1	237-81	2	O-Ring
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
27:1	237-79	1	O-Ring



Sheet No.: 10

Auxiliary Control Lever Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	98-9090	1	Grip - Control				
2	3234-5	2	Screw-HHF				
3	33104-030	1	Screw-HHF				
4	99-1376	1	Mount - Control				
5	32128-44	2	Nut				
18	42-9580	1	Nut-Hex				



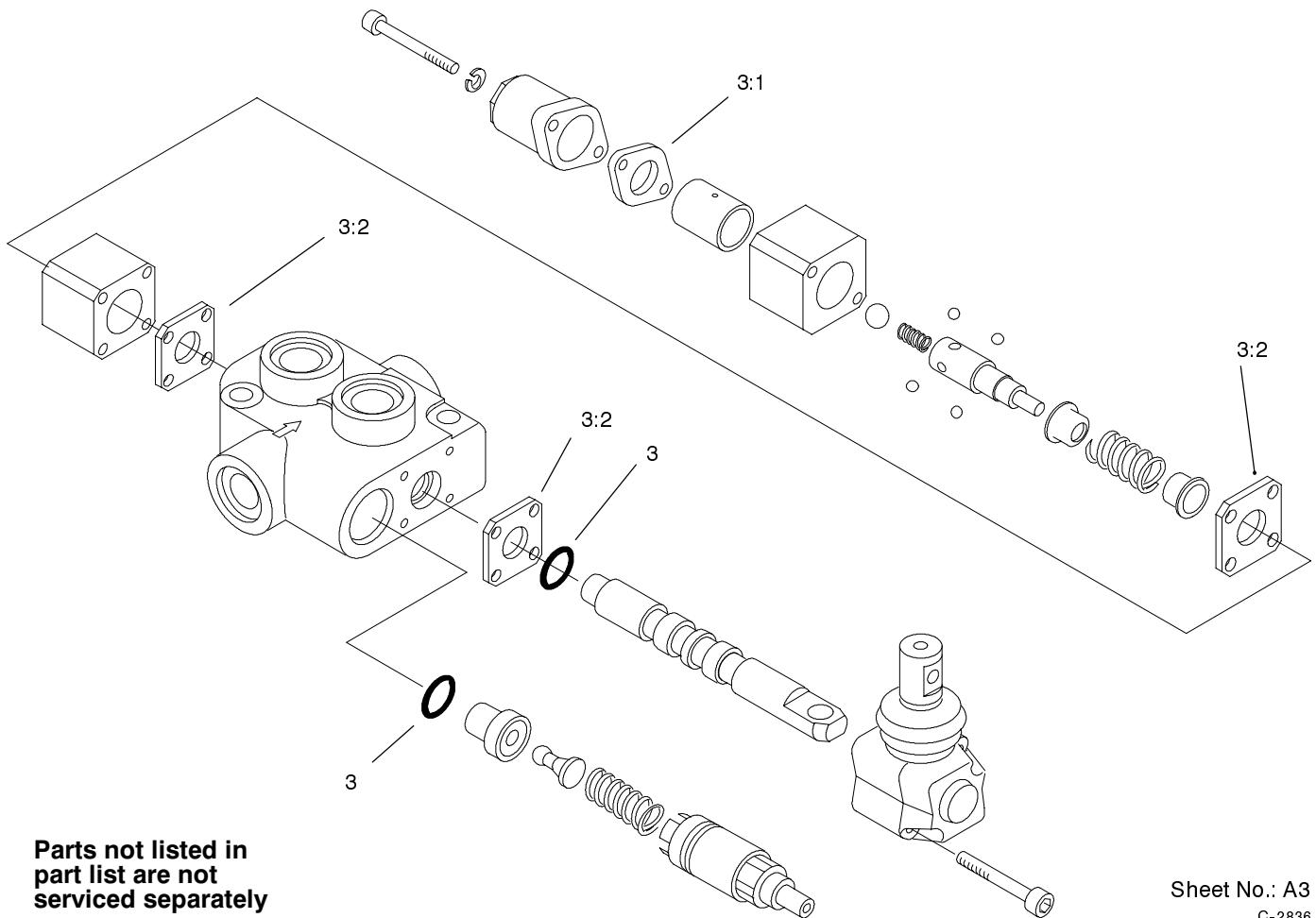
Sheet No.: 11

Hydraulic Valve Assembly

Ref. No.	Part No.	Qty.	Description
1	99-3077	1	Valve-Aux, Hydraulic
2	99-3030	1	Line-Hydraulic, Cf
3	94-6031	2	Fitting-HYD
3:1	237-30	1	O-Ring
4	340-98	3	Fitting-HYD, 90
4:1	237-79	1	O-Ring
4:2	237-30	1	O-Ring
5	98-4695	4	Tube-Spacer
6	42-9580	1	Nut-Hex
11	98-4729	1	Lever-Valve
12	340-4	3	Adapter
12:1	237-30	1	O-Ring
12:2	237-79	1	O-Ring
13	98-4799	2	Tube-Spacer
14	100-2245	1	Hose ASM
15	98-4735	1	Valve-Check, HYD
15:1	237-30	1	O-Ring
15:2	237-79	1	O-Ring
16	321-14	2	Screw-HH
17	104-4221	1	Kit-Valve, Hydraulic
★17:1		1	Valve-Flow, Hydraulic
17:1:1	104-4231	1	Kit-Seal, Valve
17:1:2	98-9098	1	Kit-Hardware, Handle
17:3	3296-27	1	Nut-Lock NI
18	95-3209	1	Fitting-Thread, Straight

Ref. No.	Part No.	Qty.	Description
18:1	237-79	2	O-Ring
19	99-3072	1	Valve-Selector, Hydraulic
20	100-1730	2	Hose-Pump, HYD
21	322-13	4	Screw-HH
22	100-8817	2	Hose-Aux
23	98-4724	1	Line-Aux, Hydraulic
25	98-9079	1	Adapter - Tee, Adjustable
25:1	237-30	1	O-Ring
25:2	237-79	2	O-Ring
26	340-105	2	Fitting-90 DEG
26:1	237-80	1	O-Ring
26:2	237-30	1	O-Ring
27	3256-22	2	Washer-Flat
28	3256-23	4	Washer-Flat
29	3296-29	4	Nut-Lock
30	3296-42	2	Nut-Lock NI
33	3290-379	18	Tie-Cable

★ Not serviced

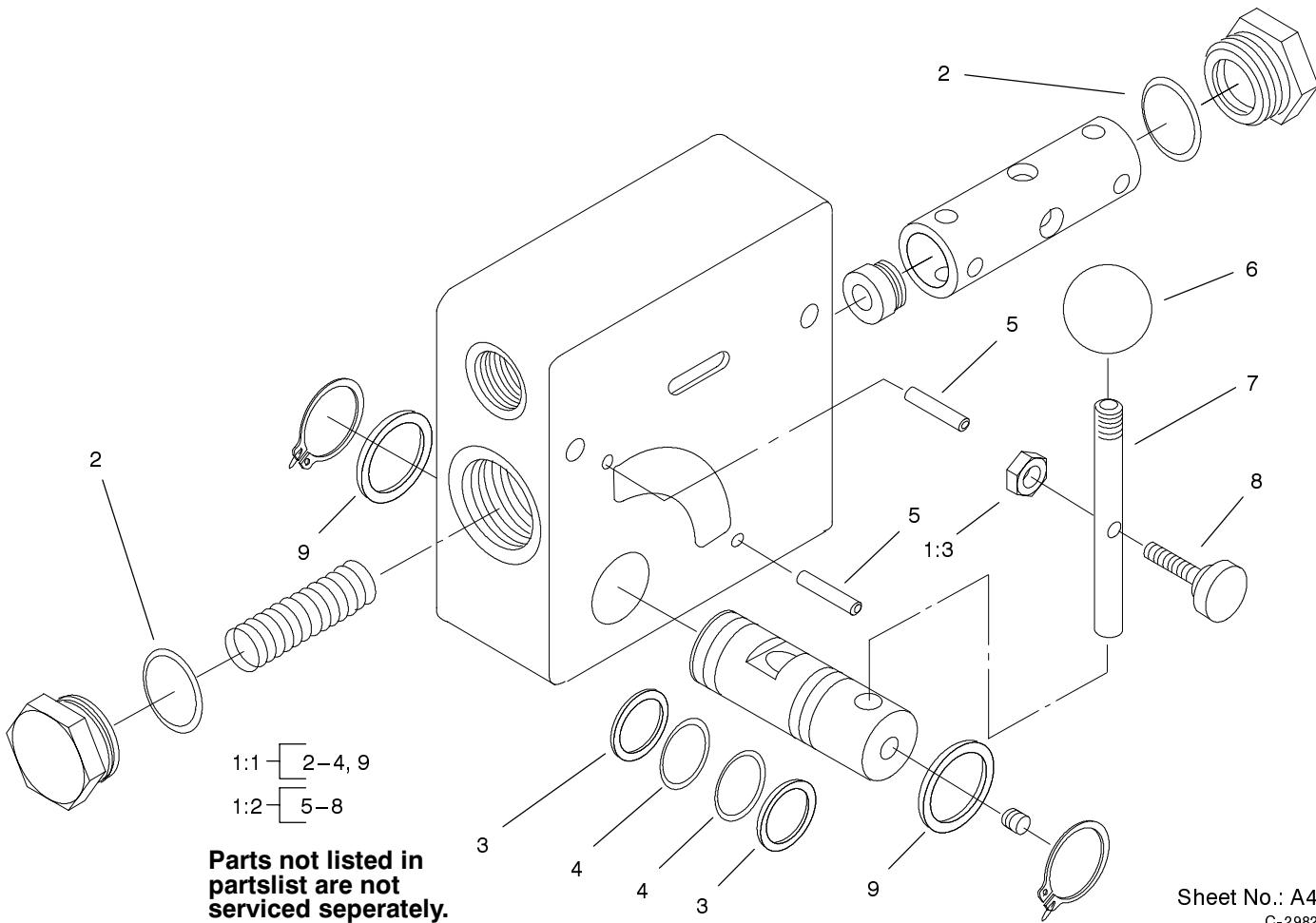


**Parts not listed in
part list are not
serviced separately**

Sheet No.: A3
C-2836

Hydraulic Valve Assembly No. 99-3077

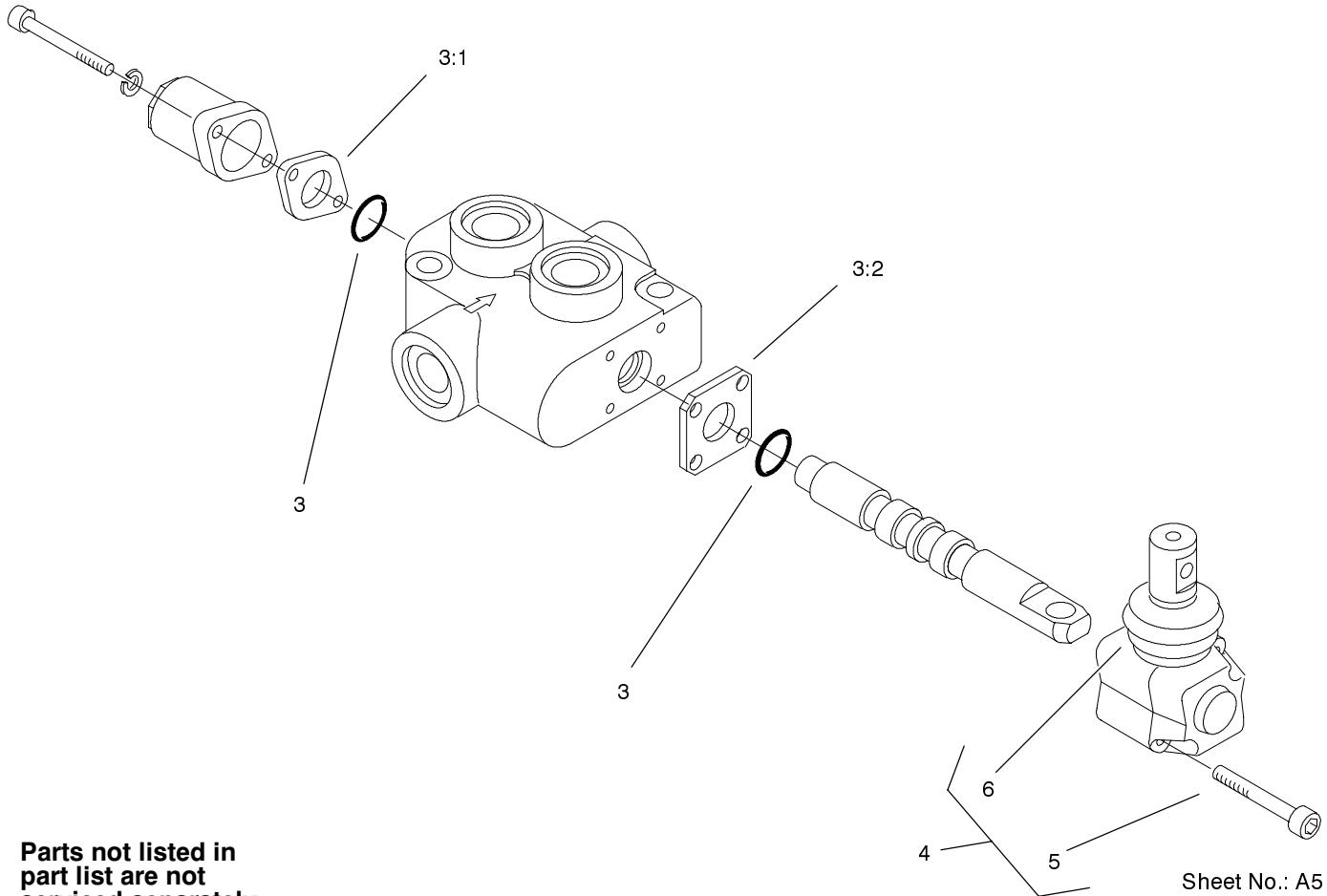
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
3 3:1 3:2	99-4391 99-3074 99-3075	1 1 3	Kit-Seal Gasket Gasket				

Sheet No.: A4
C-2982

Hydraulic Valve Assembly No. 104-4221

Ref. No.	Part No.	Qty.	Description
1	104-4231	1	Kit-Seal, Valve
2	98-9098	1	Kit-Hardware, Handle

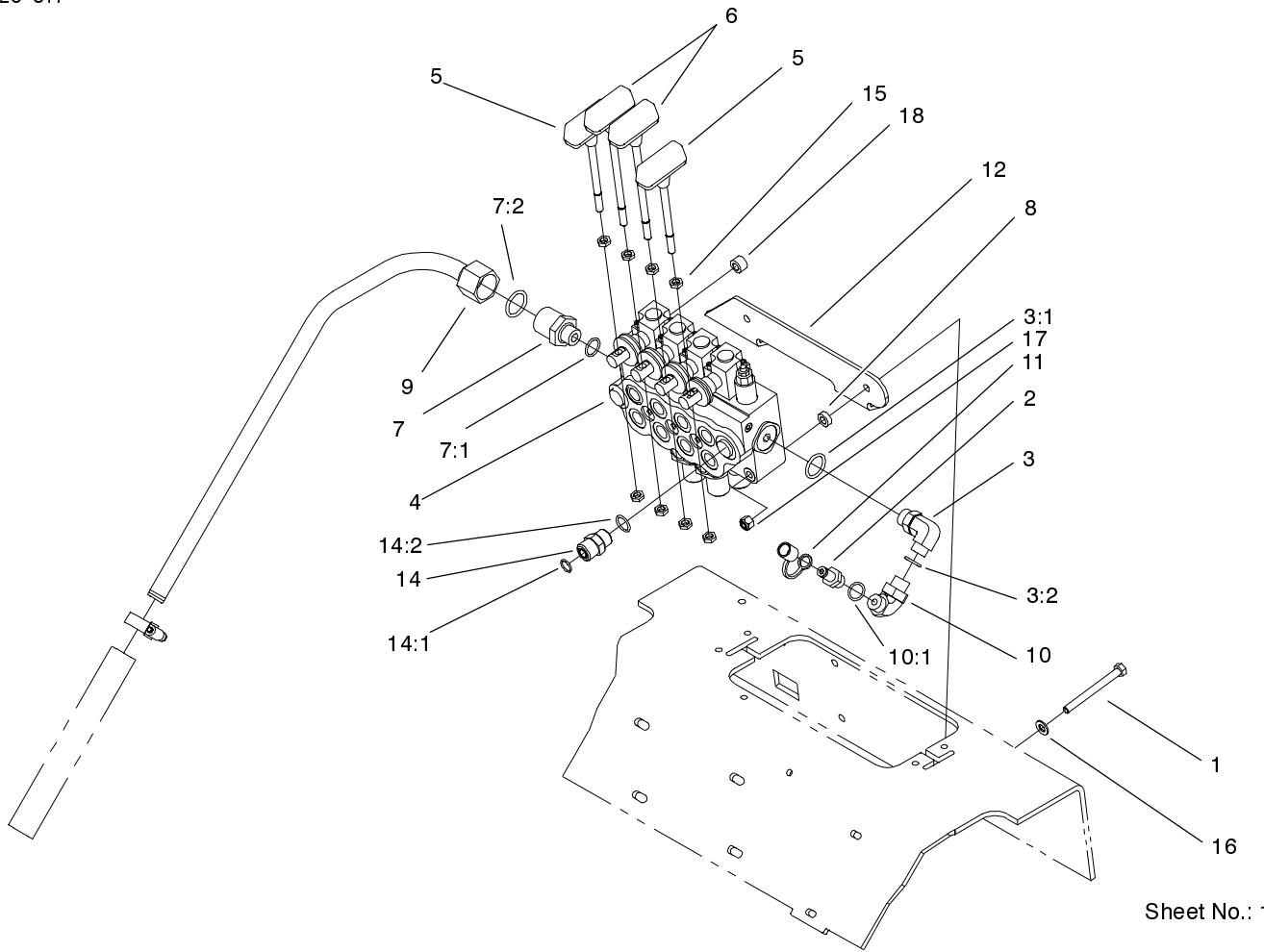
Ref. No.	Part No.	Qty.	Description



Sheet No.: A5
C-2983

Hydraulic Valve Assembly No. 99-3072

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
3 3:1 3:2	99-4391 99-3074 99-3075	1 1 3	Kit-Seal Gasket Gasket				

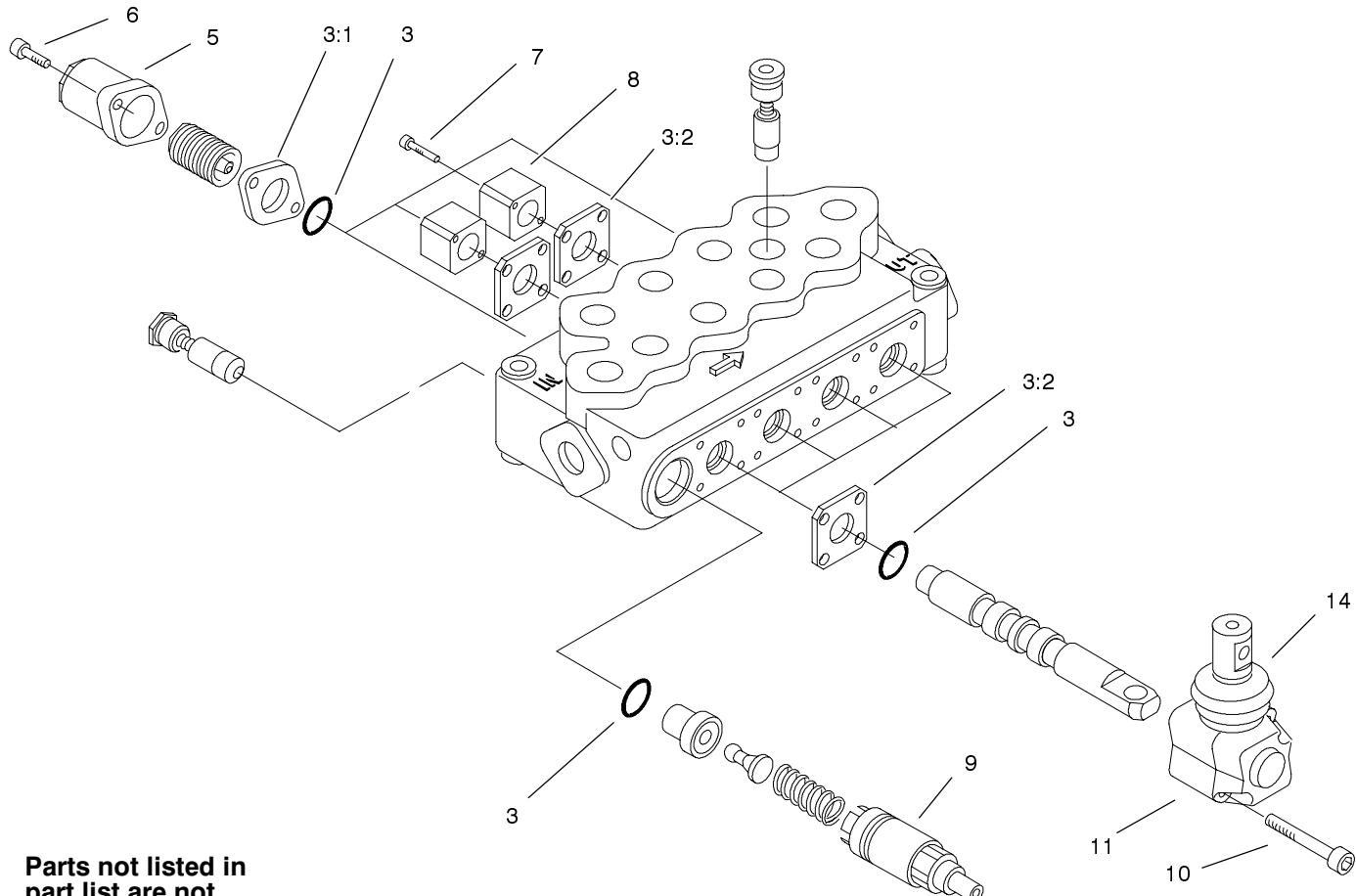


Sheet No.: 12

4-Spool Valve Assembly

Ref. No.	Part No.	Qty.	Description
1	322-20	3	Screw-HH
2	86-5480	1	Nipple-Test
3	340-18	1	Fitting-HYD, 90 DEG
3:1	237-79	1	O-Ring
3:2	237-22	1	O-Ring
4	99-3070	1	Valve-Hydraulic, 4-Spool
5	98-4671	2	Cylinder Handle ASM
6	98-4670	2	Drive Handle ASM
7	98-9921	1	Fitting-Thread, Straight
7:1	237-145	1	O-Ring
7:2	237-79	1	O-Ring
8	99-3078	2	Spacer
9	99-3021	1	Line-Tank, Hydraulic
10	340-159	1	Fitting-HYD, 90 DEG
10:1	237-22	2	O-Ring
11	354-79	1	Cap-Fitting, Yellow
12	104-4222-03	1	Bracket-Cover, Mount
14	340-4	2	Adapter
14:1	237-30	1	O-Ring
14:2	237-79	1	O-Ring
15	42-9580	8	Nut-Hex
16	3256-23	3	Washer-Flat
17	3296-29	3	Nut-Lock
18	98-4695	1	Tube-Spacer

Ref. No.	Part No.	Qty.	Description

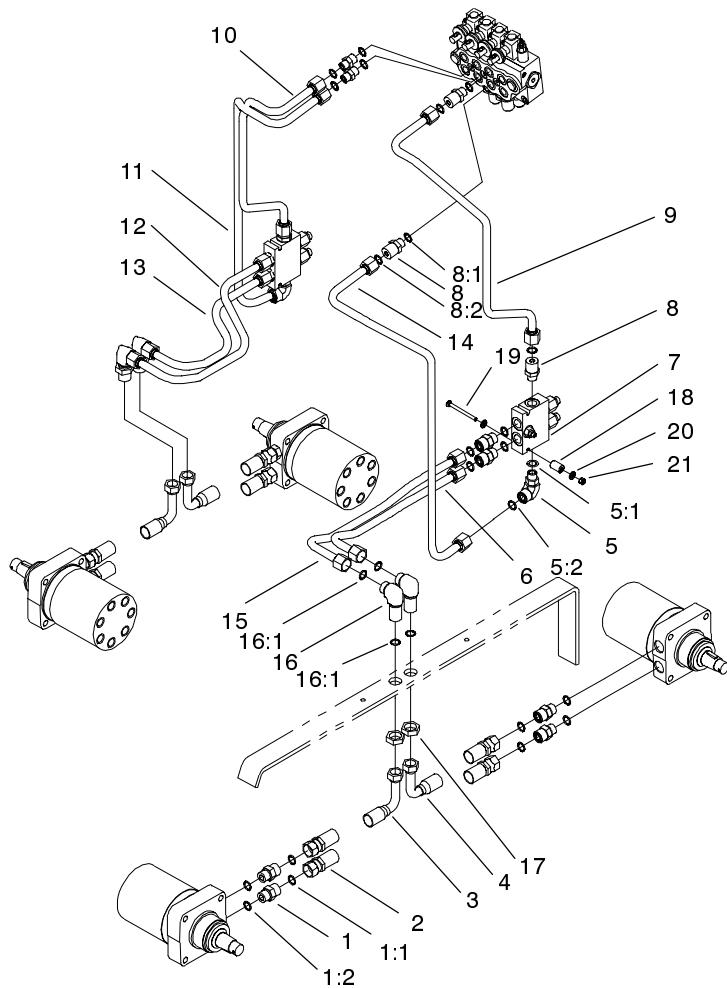


Sheet No.: A6

C-2984

Hydraulic Valve Assembly No. 99-3070

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
3	99-4390	1	Kit-Seal, Sd5				
3:1	99-3074	4	Gasket				
3:2	99-3075	8	Gasket				
5	100-8801	4	Kit-Spring, High Force				
6	100-8802	8	Screw-Cap, End				
7	100-8803	4	Screw-Body				
8	100-8804	2	Block-Mount, Switch				
9	100-8805	1	Valve-Relief				
10	100-8806	8	Screw-Operator				
11	100-8807	4	Operator ASM				
14	100-8829	4	Boot-Operator				

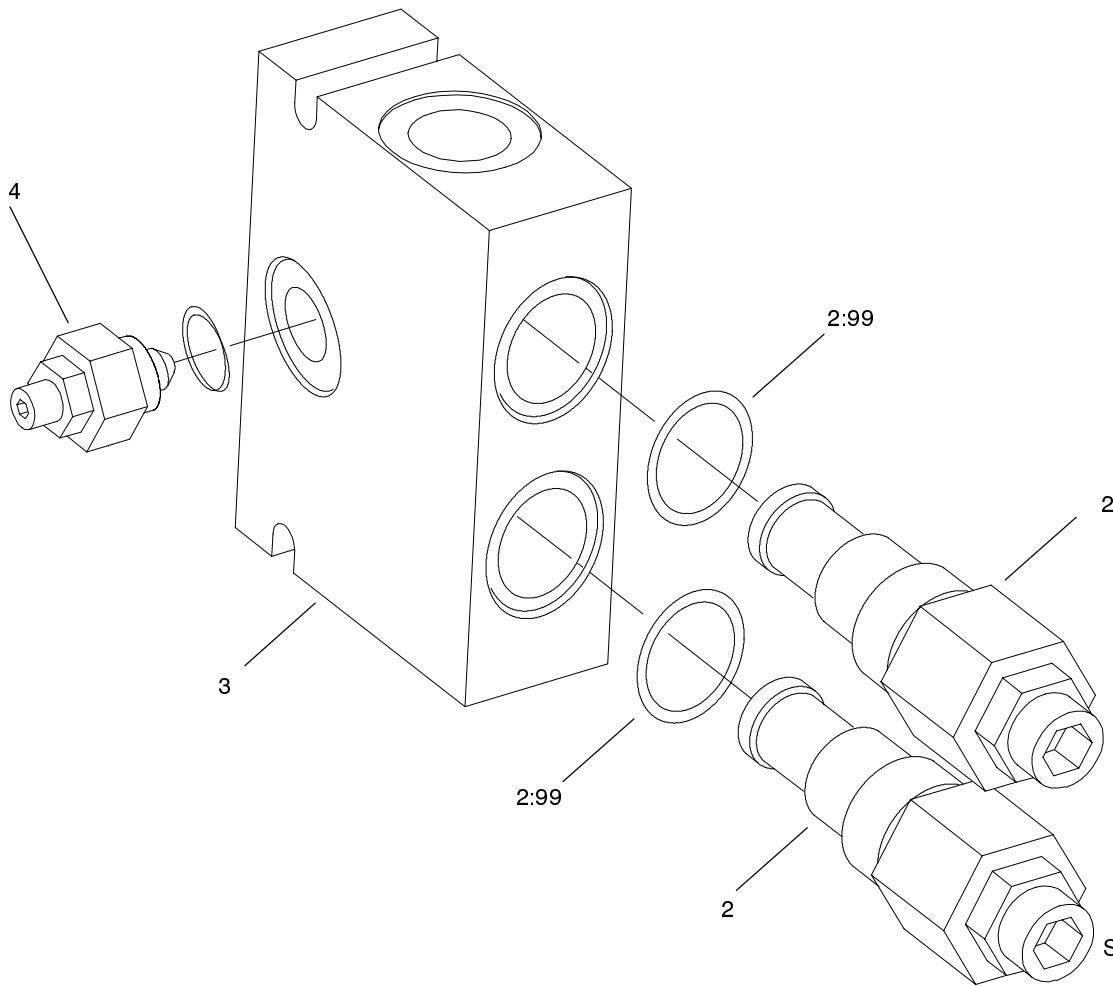


Sheet No.: 14

Hydraulic Motor Assembly

Ref. No.	Part No.	Qty.	Description
1	340-7	8	Adapter
1:1	237-65	1	O-Ring
1:2	237-80	1	O-Ring
2	99-3012	2	Hose-Motor, HYD
3	99-3010	2	Hose-Motor, Front HYD
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-Hydraulic
7	99-3040	2	Valve-Counterbalance
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-Hydraulic
10	99-3024	1	Line-Hydraulic
11	99-3029	1	Line-Hydraulic
12	99-3025	1	Line-Hydraulic
13	99-3028	1	Line-Hydraulic
14	99-3023	1	Line-Hydraulic
15	99-3026	1	Line-Hydraulic
16	340-72	4	Elbow-Bulkhead Union, 90 DEG
16:1	237-65	2	O-Ring

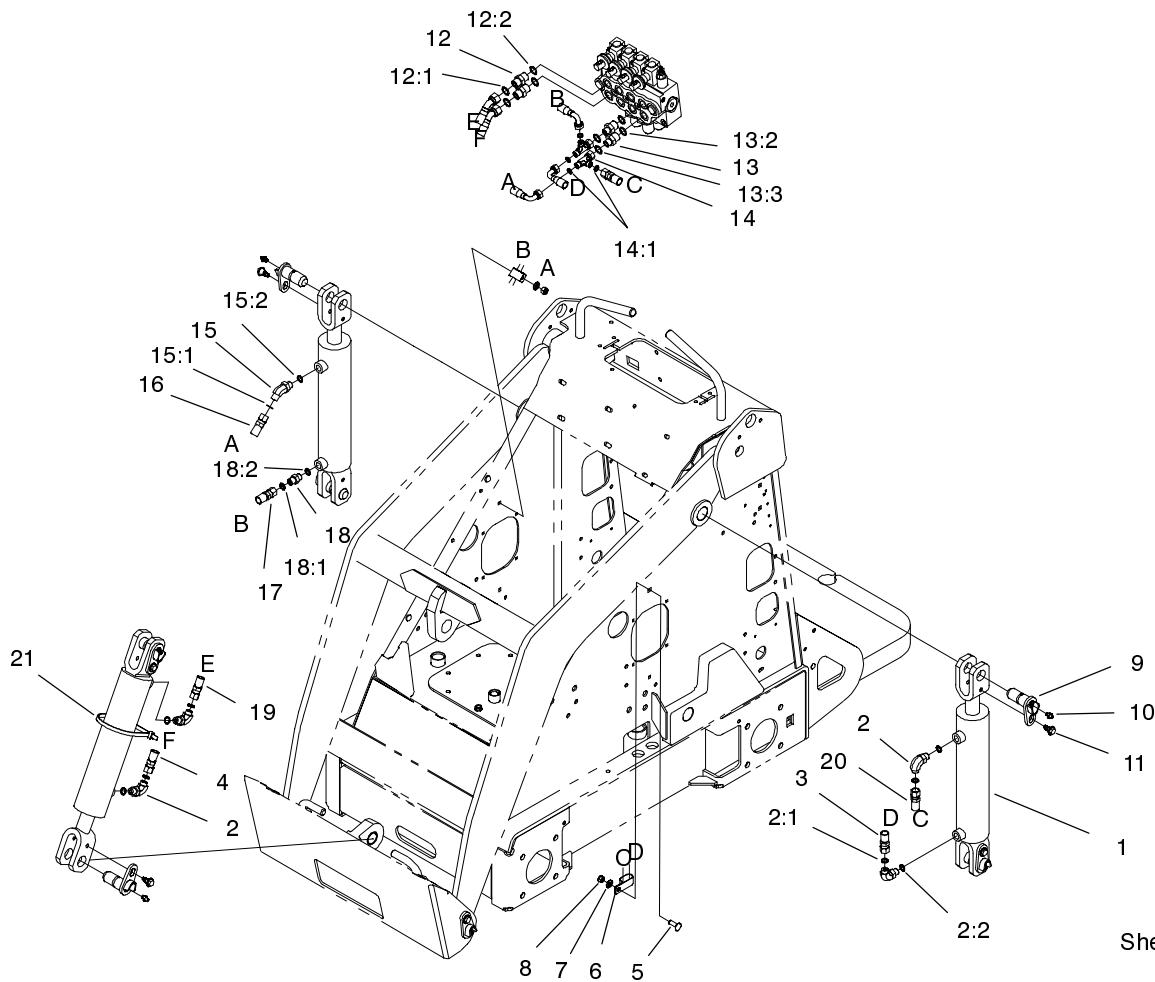
Ref. No.	Part No.	Qty.	Description
17	340-74	4	Locknut-Bulkhead
18	99-3057	2	Spacer-Valve
19	321-23	2	Screw-HH
20	3256-22	4	Washer-Flat
21	3296-42	2	Nut-Lock NI



Sheet No.: A7
C-3005

Counterbalance Valve Assembly No. 99-3040

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
2	99-3271	2	Valve - Cartridge				
2:99	98-2712	1	Kit-Seal, Valve				
3	100-8864	1	Manifold ASM				
4	100-8865	1	Needle Valve ASM				

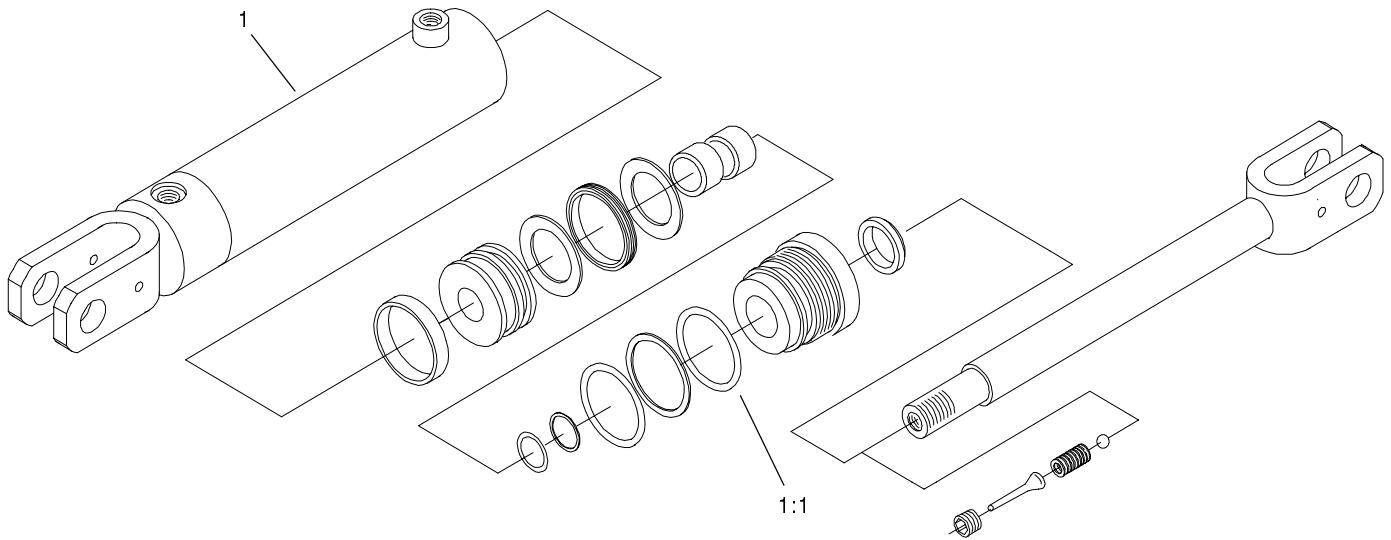


Sheet No.: 15

Hydraulic Cylinder Assembly

Ref. No.	Part No.	Qty.	Description
1	100-4163	3	Kit-Cylinder, Hydraulic
2	340-82	4	Adapter
2:1	237-42	1	O-Ring
2:2	237-21	1	O-Ring
3	98-4748	1	Hose-HYD, Lo Pressure
4	98-4726	1	Hose-HYD
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-Grease
11	99-5105	6	Bolt-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	237-79	1	O-Ring
13:3	237-21	1	O-Ring
14	340-151	2	Fitting
14:1	237-75	3	O-Ring
15	340-137	1	Fitting
15:1	237-21	1	O-Ring
15:2	237-42	1	O-Ring

Ref. No.	Part No.	Qty.	Description
16	98-4725	1	Hose-Loader, Hydraulic
17	100-1731	1	Hose-HYD, Right
18	340-1	1	Adapter
18:1	237-35	1	O-Ring
18:2	237-42	1	O-Ring
19	98-4727	1	Hose-HYD
20	99-3109	1	Hose-Loader, HYD
21	3334-945	1	Tie-Cable

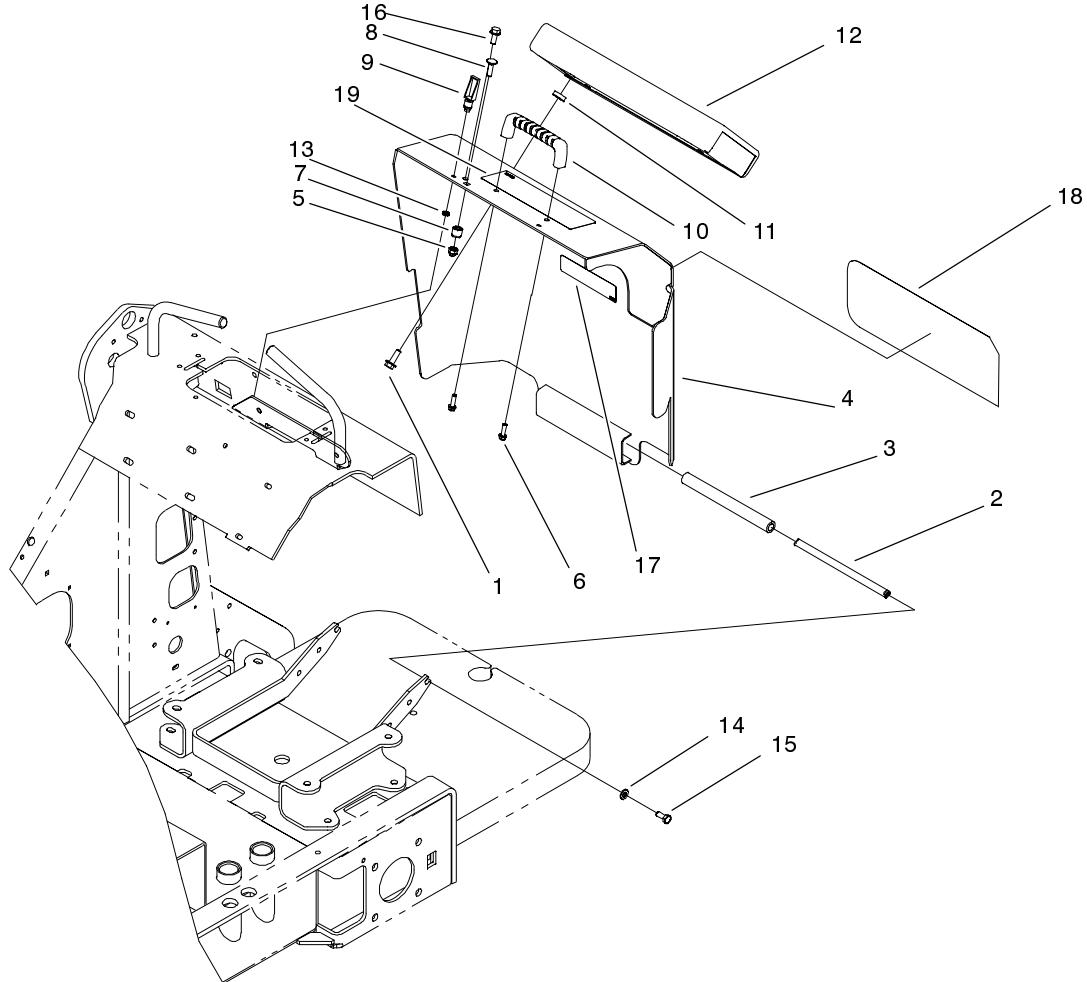


Parts not listed in part list are not serviced separately

Sheet No.: A8
C-2824

Hydraulic Cylinder Assembly No. 100-4163

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1 1:1	99-3065	1	Cylinder-Hydraulic Kit-Seal, Hydraulic Cylinder				

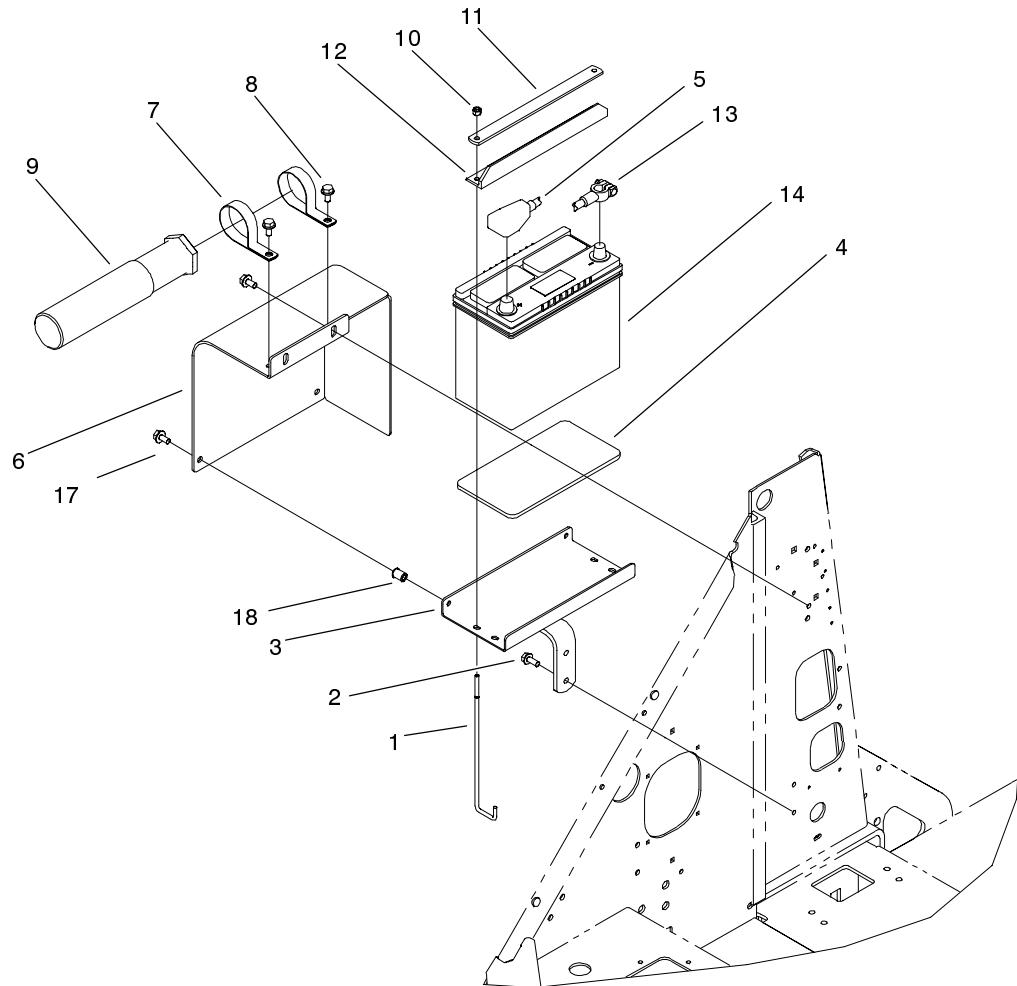


Sheet No.: 17

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	104-9450	1	Cover ASM,
5	32111-8	1	Locknut-Acorn
6	46-8091	2	Screw-HWH
7	99-3035	1	Spacer-Guide
8	3230-22	1	Screw-CARR
9	74-5950	2	Latch-Swell
10	65-5100	1	Handle-Door
11	26-4840	4	Spacer-Pin, Mounting
12	99-3101	1	Cover-Pad
13	99-3058	2	Washer
14	3256-23	2	Washer-Flat
15	322-3	2	Screw-HH
17	93-7814	1	Decal-Danger, Europe
18	100-8828	1	Decal-Dingo, Front
19	98-9051	1	Decal - Danger

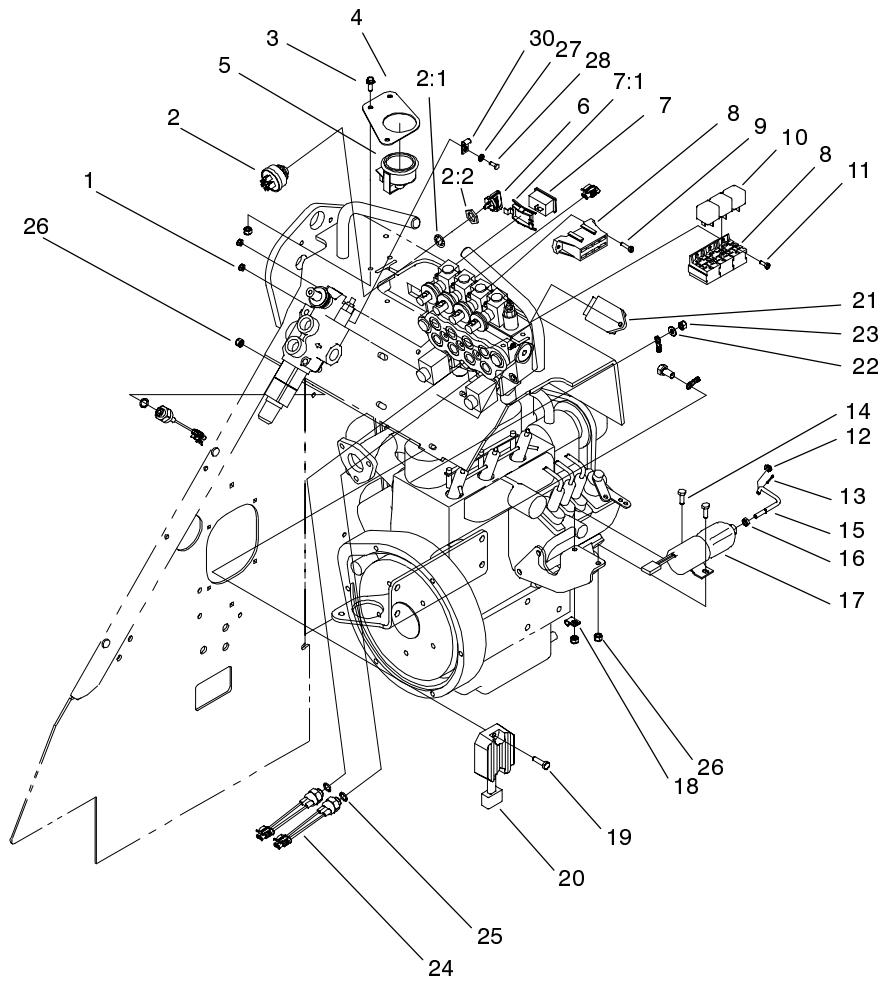
Ref. No.	Part No.	Qty.	Description



Sheet No.: 19

Battery Mount Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	99-5035	2	Retainer-Battery				
2	32144-70	2	Screw-HH				
3	98-2665-03	1	Battery Mount				
4	99-5030	1	Pad-Battery				
5	100-1708	1	Cable-Battery, Positive				
6	98-2670-03	1	Cover-Battery				
7	2412-133	2	R-Clamp				
8	32144-14	4	Screw-HWH				
9	74-0720	1	Tube-Manual				
10	3296-42	2	Nut-Lock NI				
11	99-5008-01	1	Retainer-Battery				
12	99-5039	1	Retainer-Battery				
13	100-1709	1	Cable-Battery, Negative				
14	99-1441	1	Battery				
17	3234-29	2	Screw-HHF				
18	32148-7	2	Nut-Insert				



Sheet No.: 20

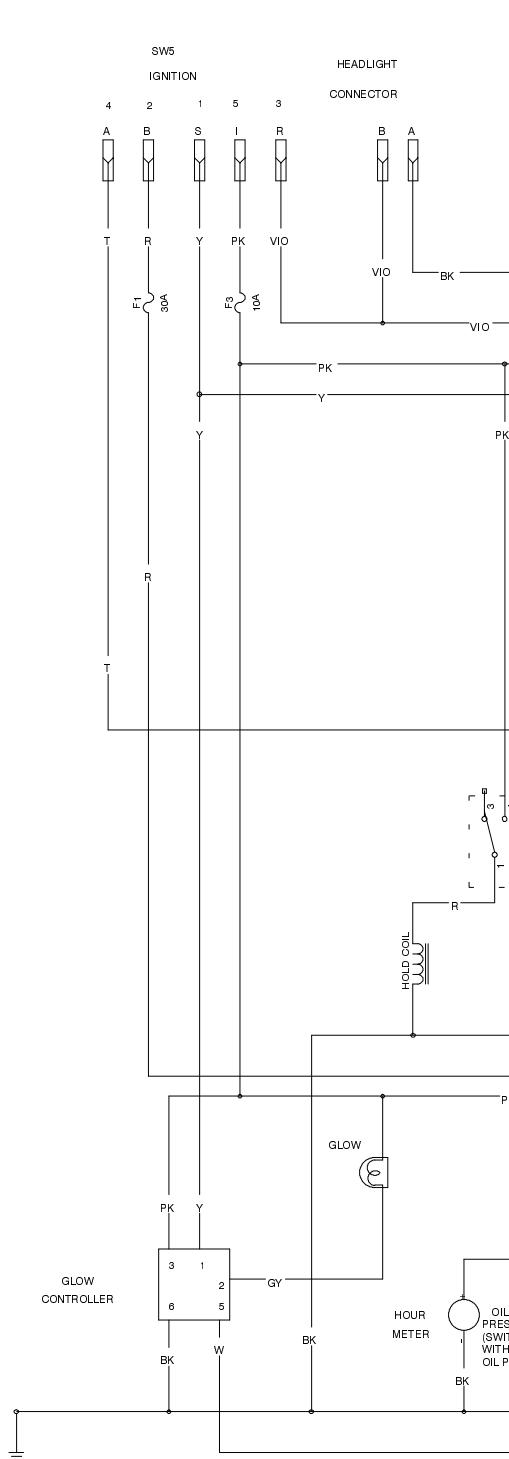
Electrical Components Assembly

Ref. No.	Part No.	Qty.	Description
1	3296-12	4	Nut-Lock
2	111216	1	Ignition Switch ASM
2:1	9201604	1	Lockwasher
2:2	101884	1	Nut
3	3234-33	3	Screw-HHF
4	100-1707-01	1	Mount-Lamp, Warning
5	100-1732	1	Cluster-Lamp
6	63-8360	2	Key-Ignition
7	104-7429	1	Hour Meter-Dc, Mini
7:1	104-4234	1	Clip-Mounting, Hourmeter
8	104-7410	1	Wire Harness, Dingo Kubota
9	32105-13	2	Screw-SHH
10	98-7249	3	Relay
11	32105-8	2	Screw
12	52-5910	1	Ring-Retaining
13	3272-1	1	Pin-Cotter
14	321-4	2	Screw-HH
15	99-1423	1	Rod-Linkage, Threaded
16	3220-1	1	Nut-Jam
17	99-5006	1	Solenoid-Kubota
18	2412-31	1	Clamp-Boden
19	321-6	3	Screw-HH
20	100-2057	1	Regulator ASM

Ref. No.	Part No.	Qty.	Description
21	98-7611	1	Controller-Glow
22	100-2215	1	Washer-Spring
23	100-2171	1	Nut-Hexagon
24	72-4310	3	Switch
25	237-42	3	O-Ring
26	3296-42	8	Nut-Lock NI
27	3256-21	1	Washer-Flat
28	32144-87	1	Screw-Forming, Thread
30	2412-72	1	Clip-Closed, Insulated

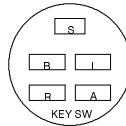
Electrical Schematic

KUBOTA DINGO SCHEMATIC



KEY SWITCH P/N 111216

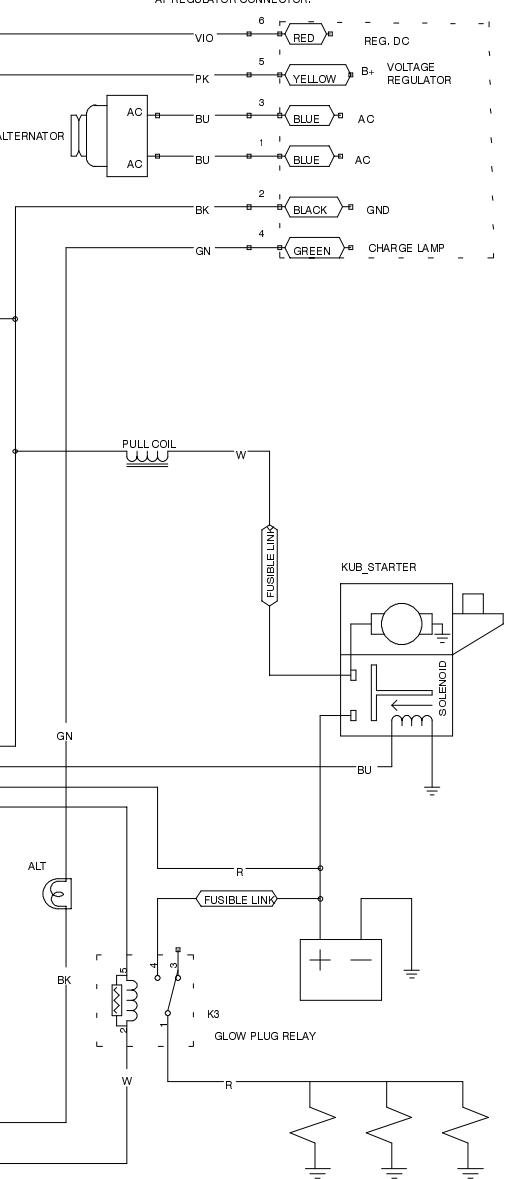
OFF	NO CONNECTION
ON	B+R+I+A
START	B+R+I+S



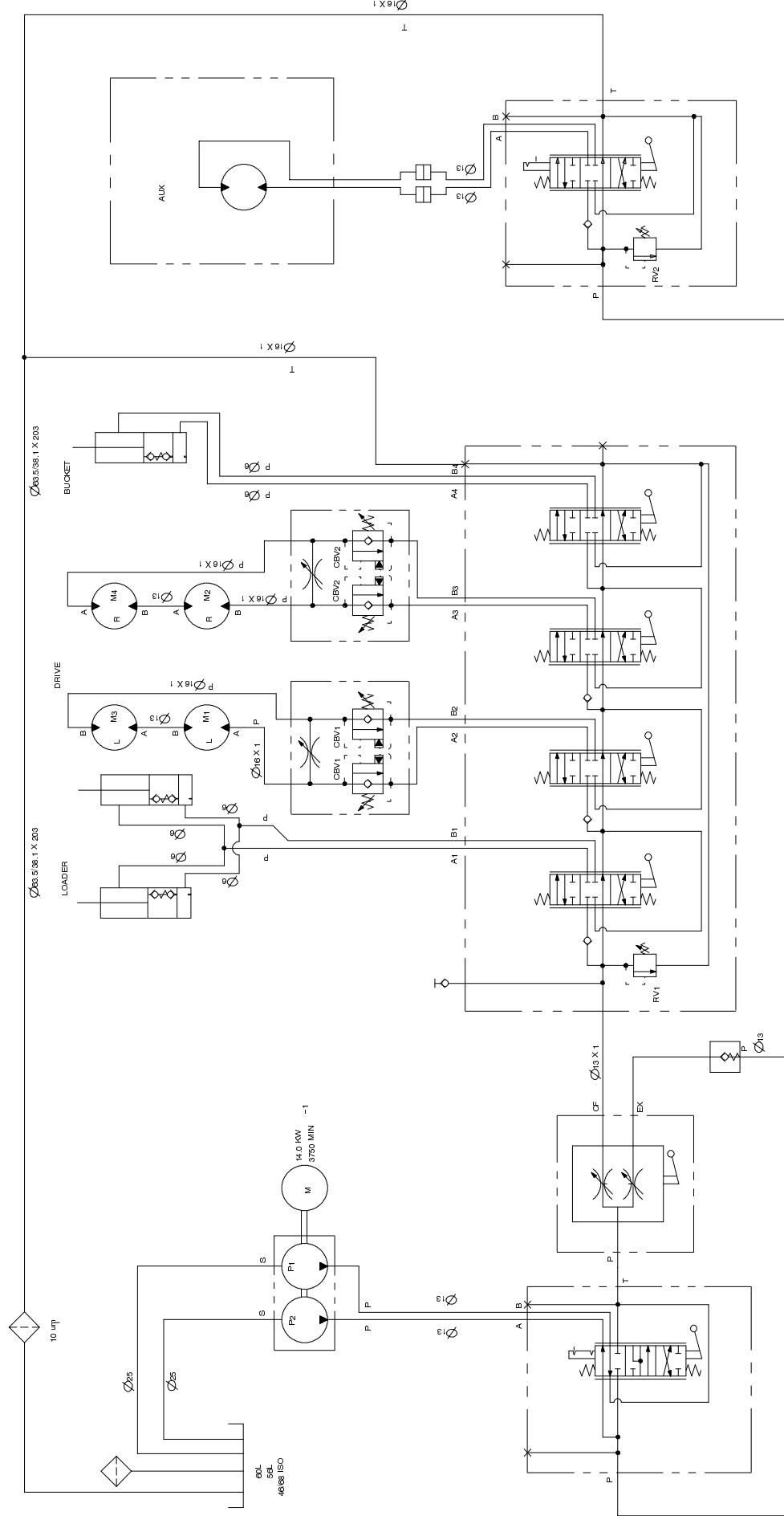
WIRE COLOR CODES

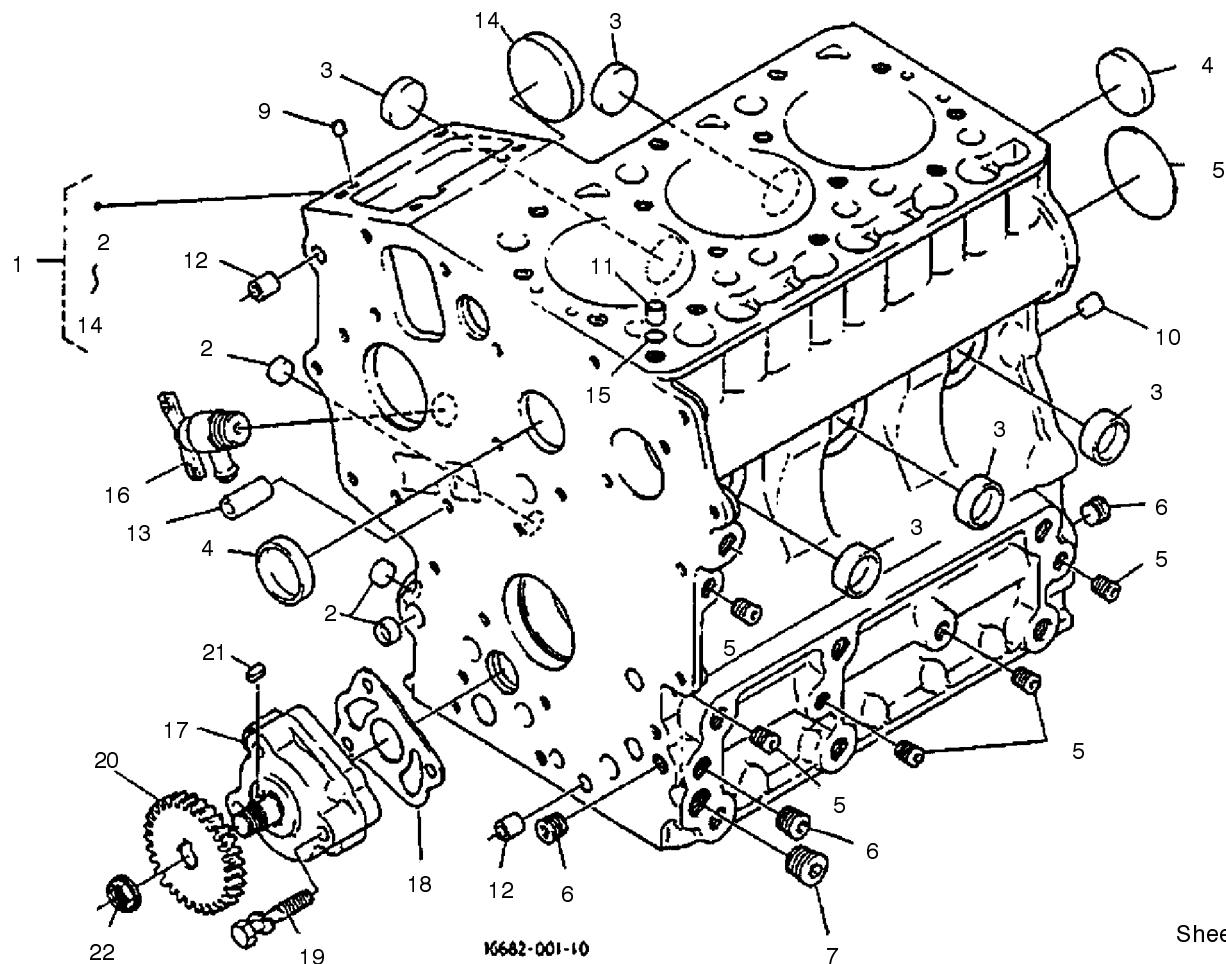
BK	BLACK	PK	PINK
BN	BROWN	R	RED
BU	BLUE	T	TAN
GN	GREEN	VIO	VIOLET
GY	GREY	W	WHITE
OR	ORANGE	Y	YELLOW

NOTE: SOME WIRE COLORS CHANGE
AT REGULATOR CONNECTOR.



Hydraulic Schematic

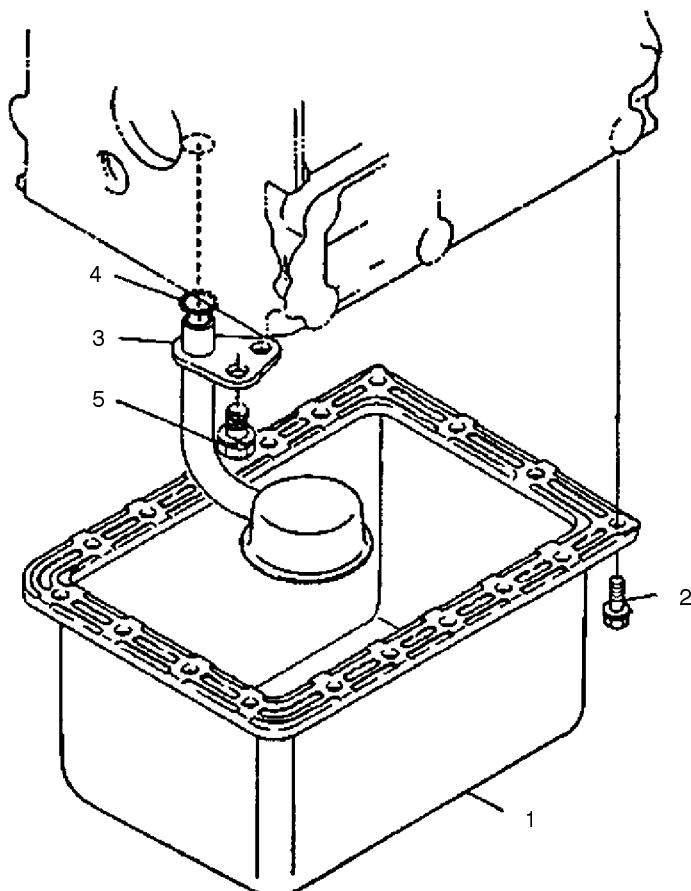




Sheet No.:2

Crankcase Assembly

Ref. No.	Part No.	Qty.	Description	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				



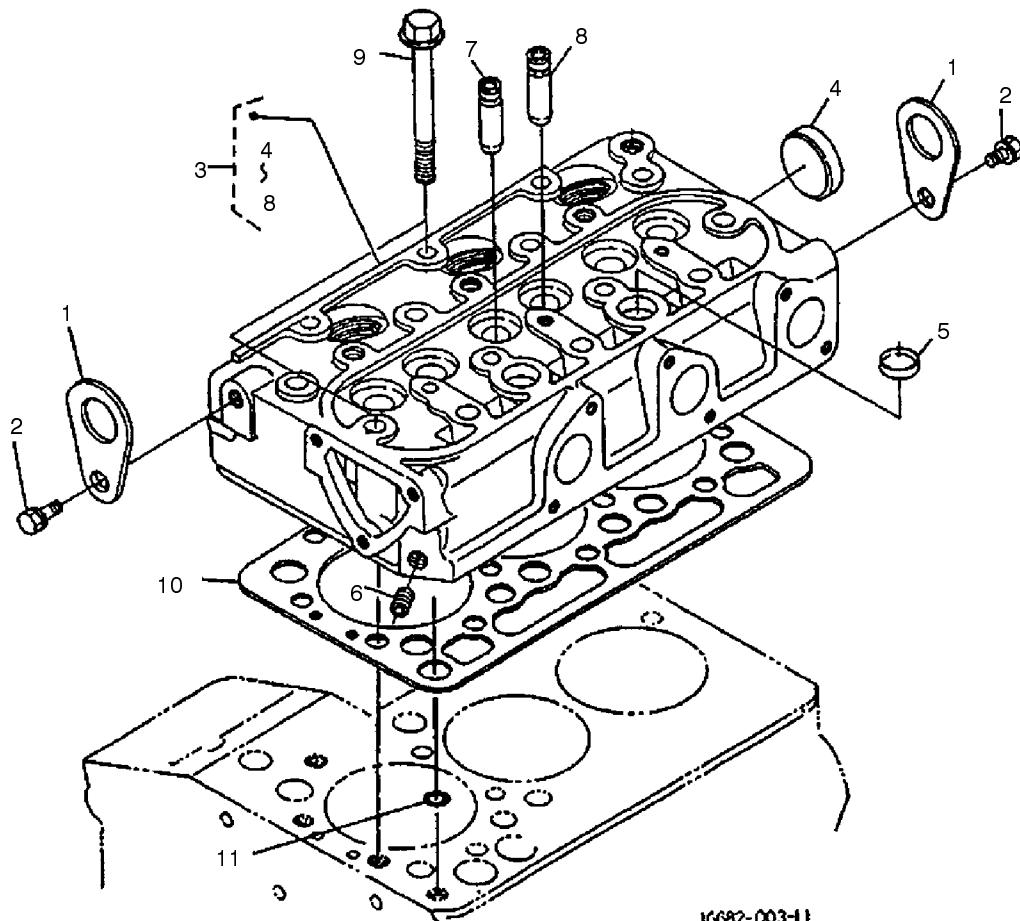
16682-002-10

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

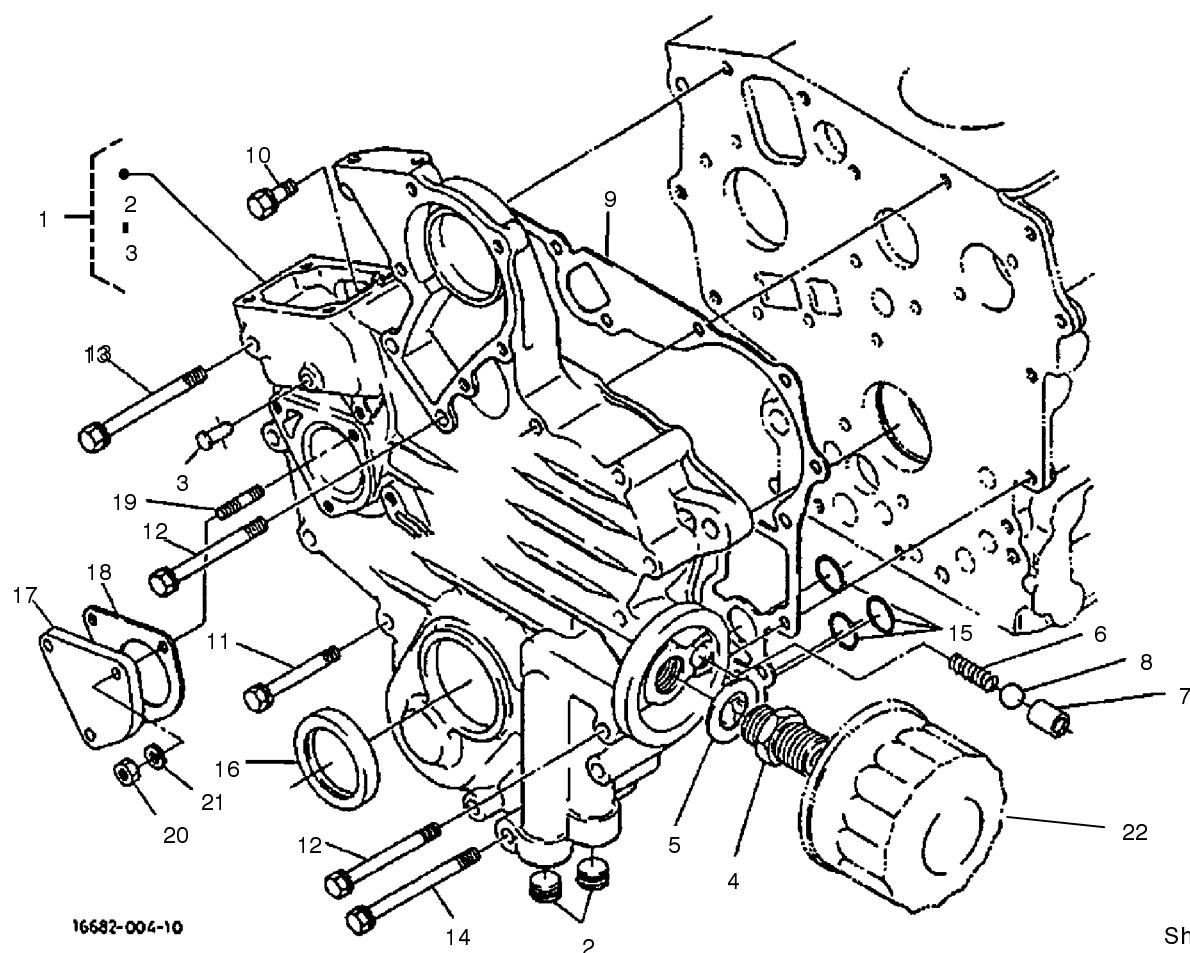


Sheet No.:4

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				
*12	98-2651	1	Heater-Cylinder Head (Optional)				

*Not Illustrated

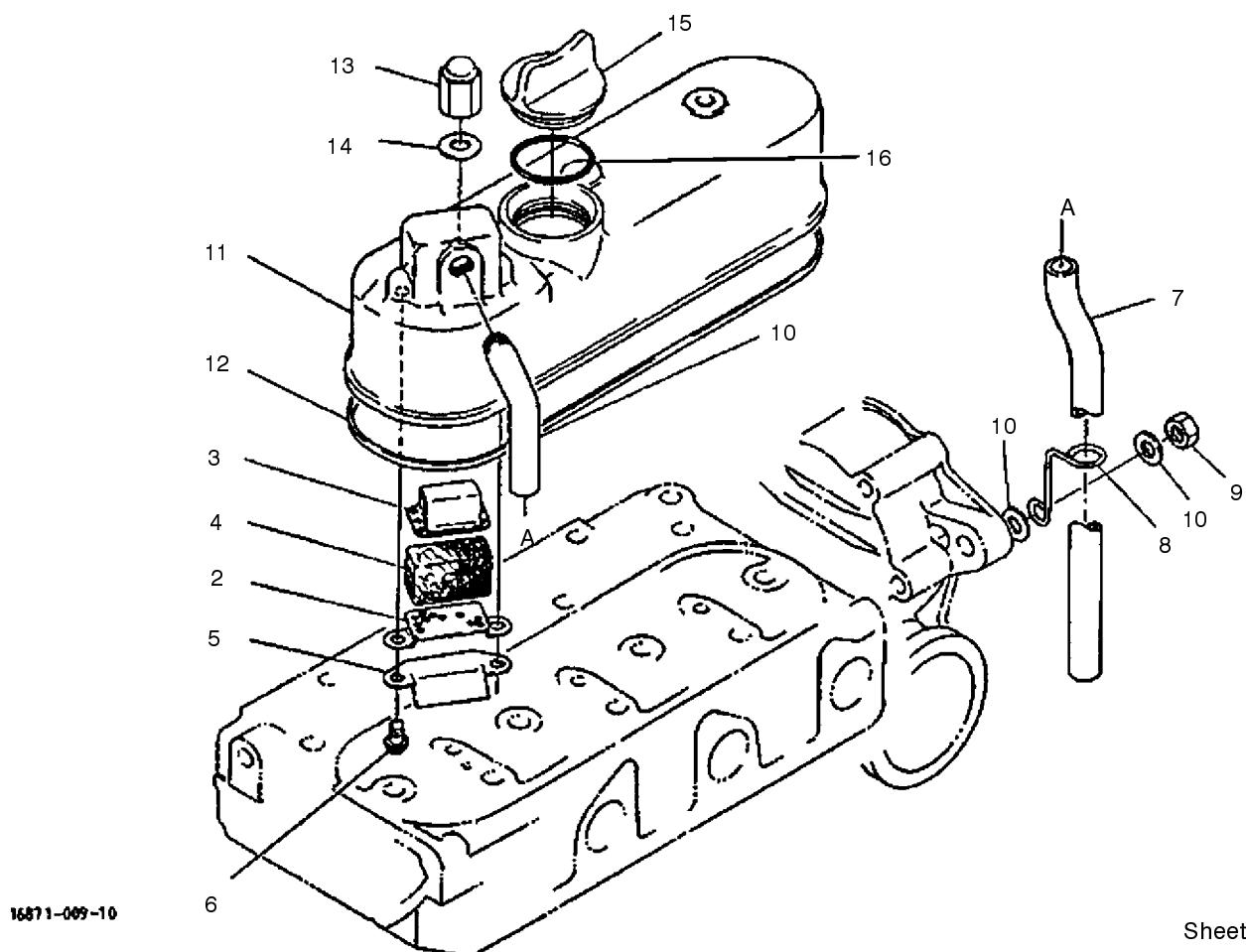


Sheet No.:5

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

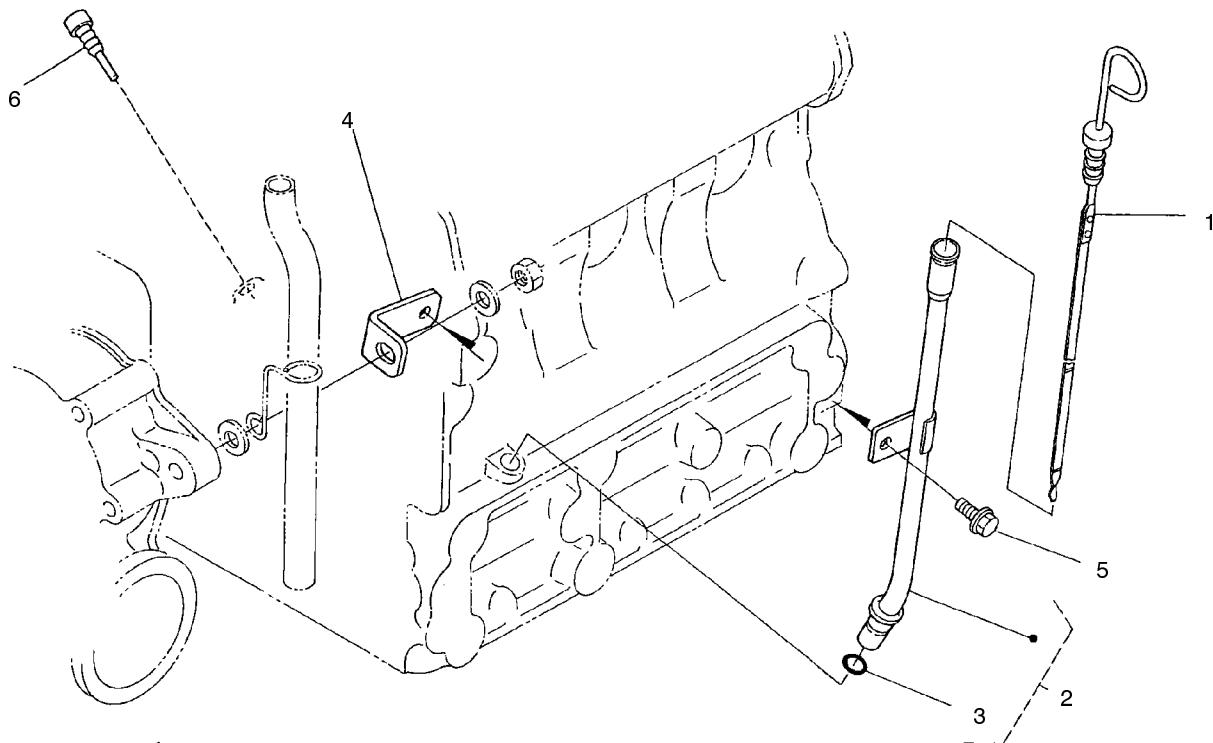
Ref. No.	Part No.	Qty.	Description



Sheet No.:6

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				



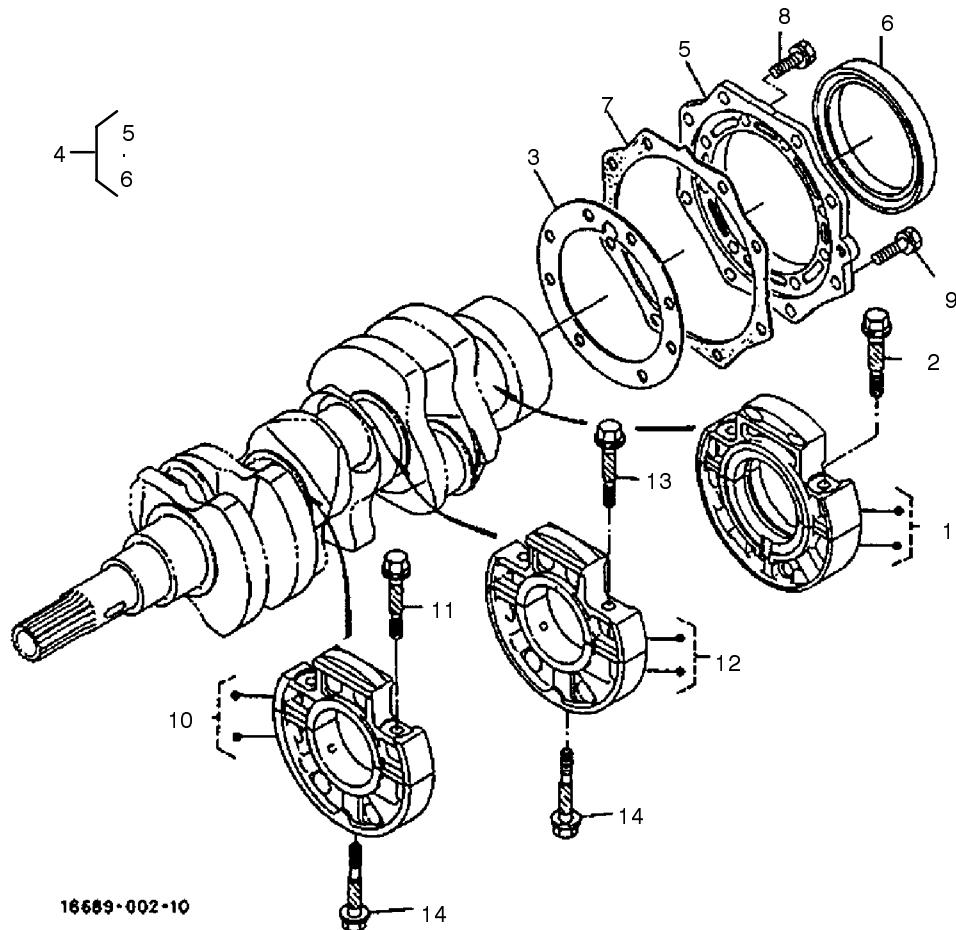
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Sheet No.:7

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

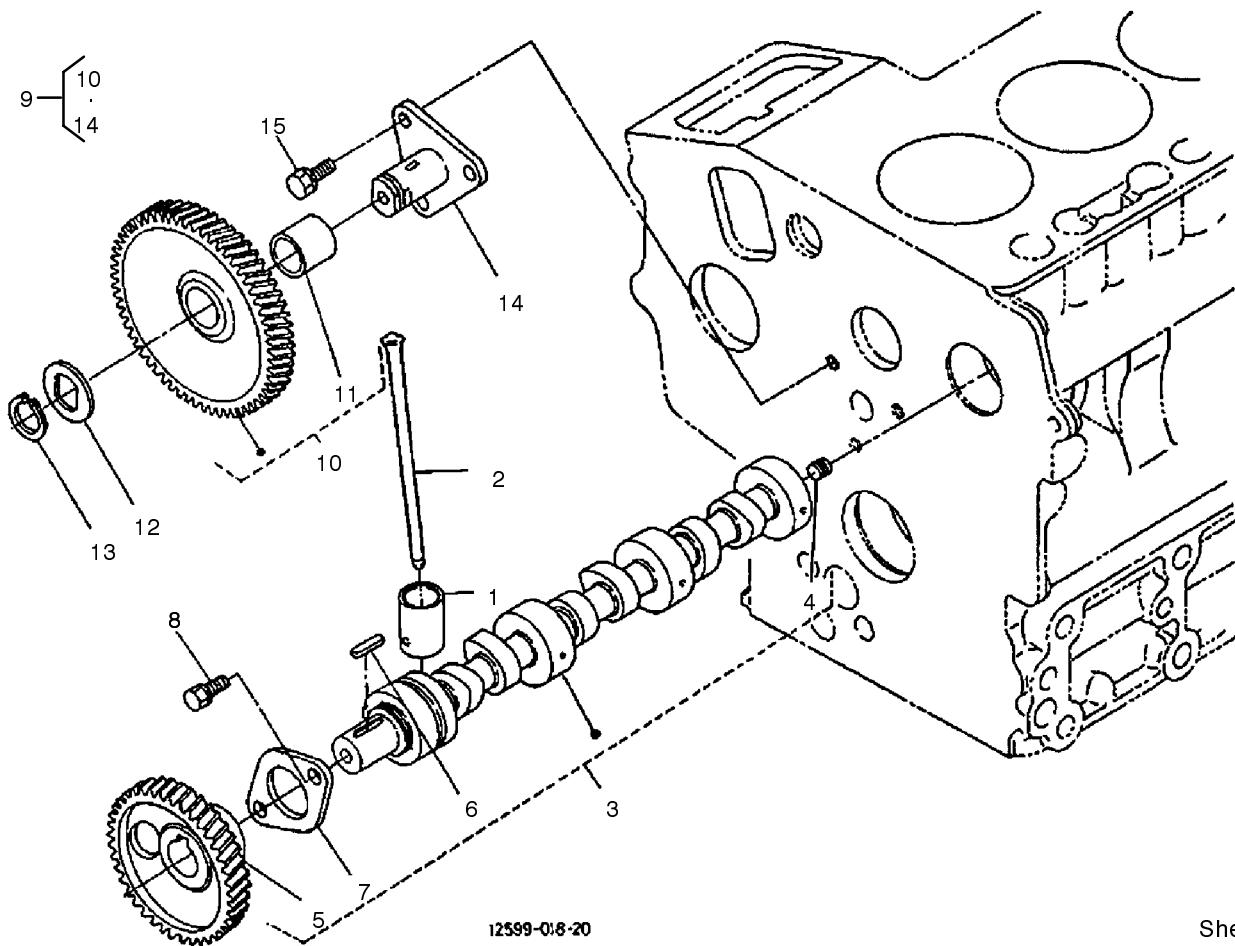
Ref. No.	Part No.	Qty.	Description



Sheet No.:8

Main Bearing Case Assembly

Ref. No.	Part No.	Qty.	Description	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				

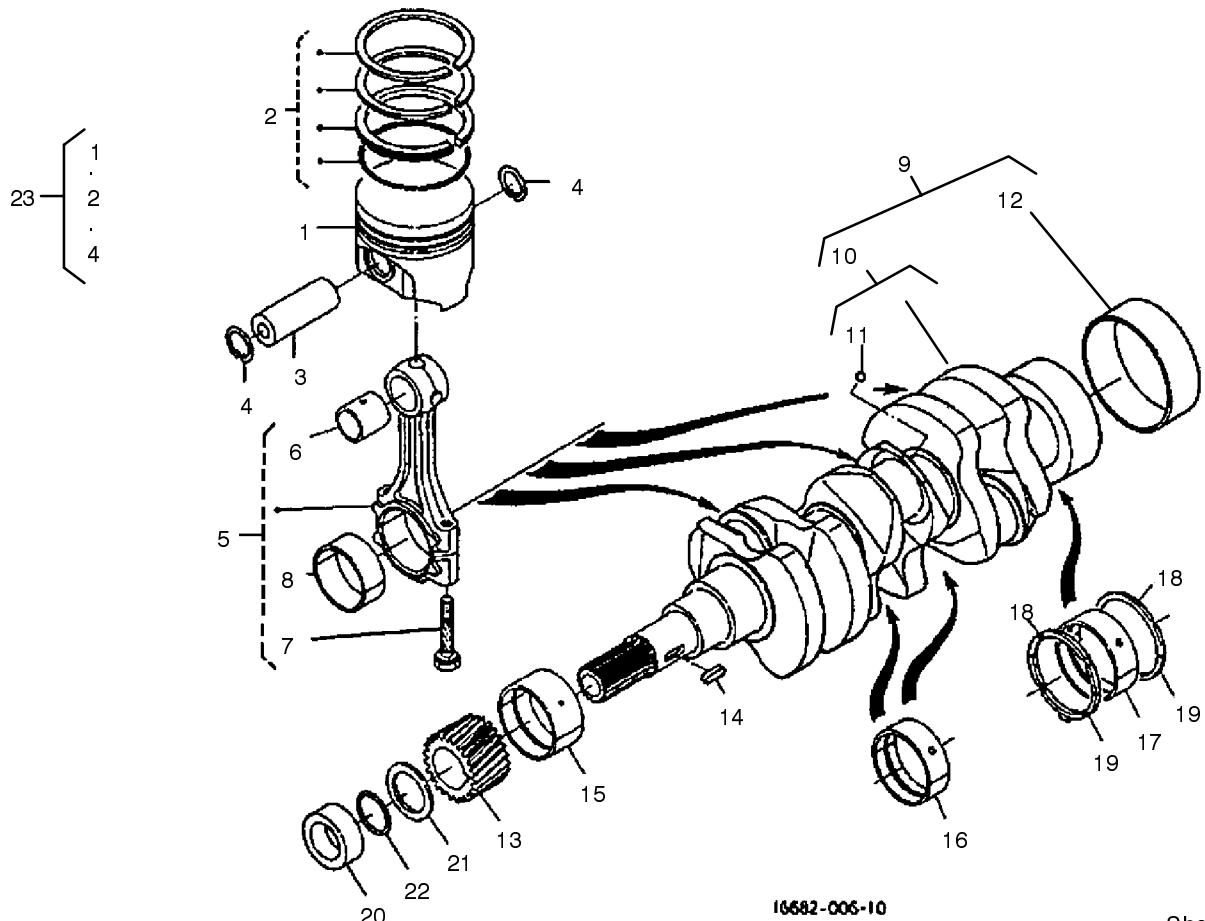


Sheet No.:9

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

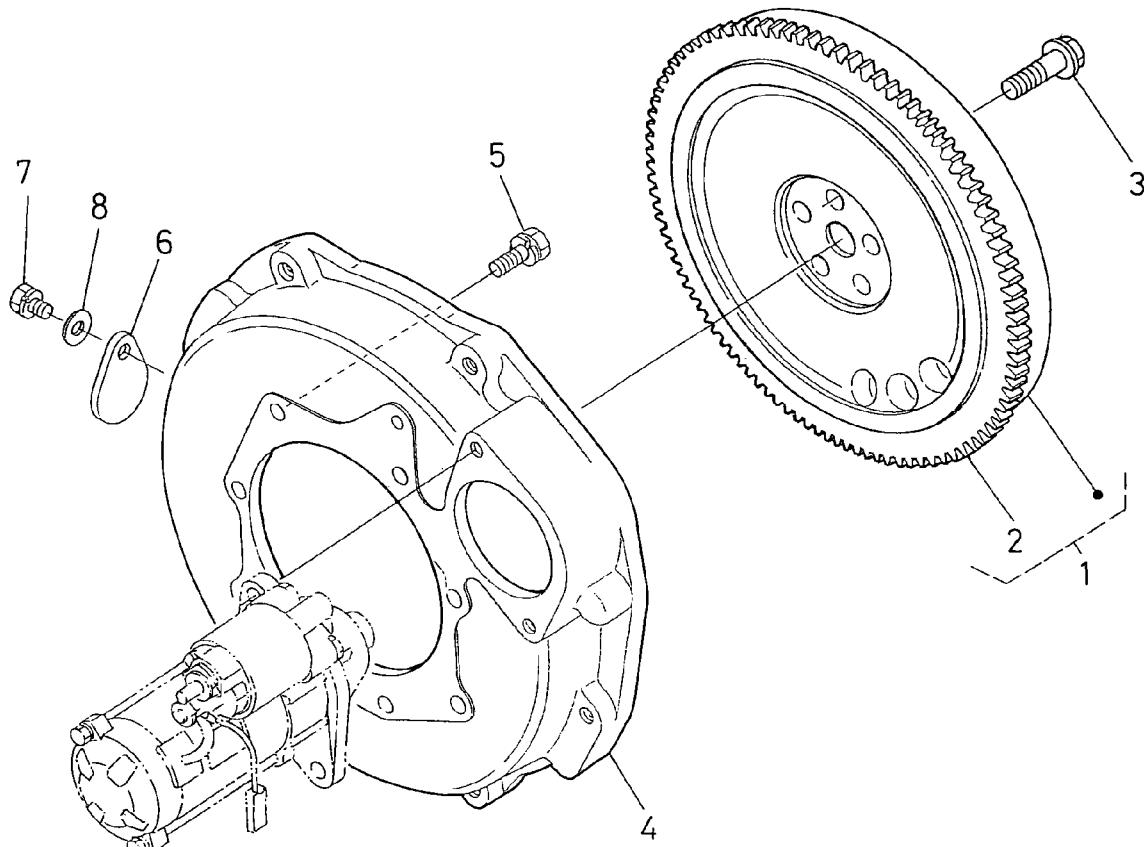


16682-006-10

Sheet No.:10

Piston and Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	100-1994	3	Piston (STD.)	16	100-1945	2	Crankshaft-Metal (-0.2 Mm Set)
1	100-1996	3	Piston (+0.25 Mm)	16	100-1946	2	Crankshaft-Metal (-0.4 Mm Set)
2	100-2158	3	Piston Ring ASM	16	100-2033	2	Crankshaft-Metal (STD. Set)
2	100-2159	3	Piston Ring ASM	17	100-1870	2	Crankshaft-Metal (-0.2 Mm)
3	100-1995	3	Pin-Piston	17	100-1871	2	Crankshaft-Metal (-0.4 Mm)
4	100-1835	6	Cir-Cup, Piston Pin	17	100-2032	2	Crankshaft-Metal (STD.)
5	100-1998	3	Connecting Rod ASM	18	100-1836	2	Metal-Side (STD.)
6	100-1997	3	Bush-Pin, Piston	18	100-1838	2	Metal-Side (+0.2 Mm)
7	100-1999	6	Bolt-Rod, Connecting	18	100-1839	2	Metal-Side (+0.4 Mm)
8	100-1942	3	Crankpin-Metal (-0.2 Mm)	19	100-1837	2	Metal-Side (STD.)
8	100-1943	3	Crankpin-Metal (-0.4 Mm)	19	100-1840	2	Metal-Side (+2.0 Mm)
8	100-2000	3	Crankpin-Metal (STD.)	19	100-1841	2	Metal-Side (+4.0 Mm)
9	100-2161	1	Crankshaft ASM	20	100-1890	1	Collar-Crankshaft
10	100-2160	1	Crankshaft-Comp.	21	100-1974	1	Slinger-Oil
11	100-1791	3	Ball	22	100-2209	1	O-Ring
12	100-2054	1	Sleeve-Crankshaft	23	100-2164	1	Kit-Piston
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)				



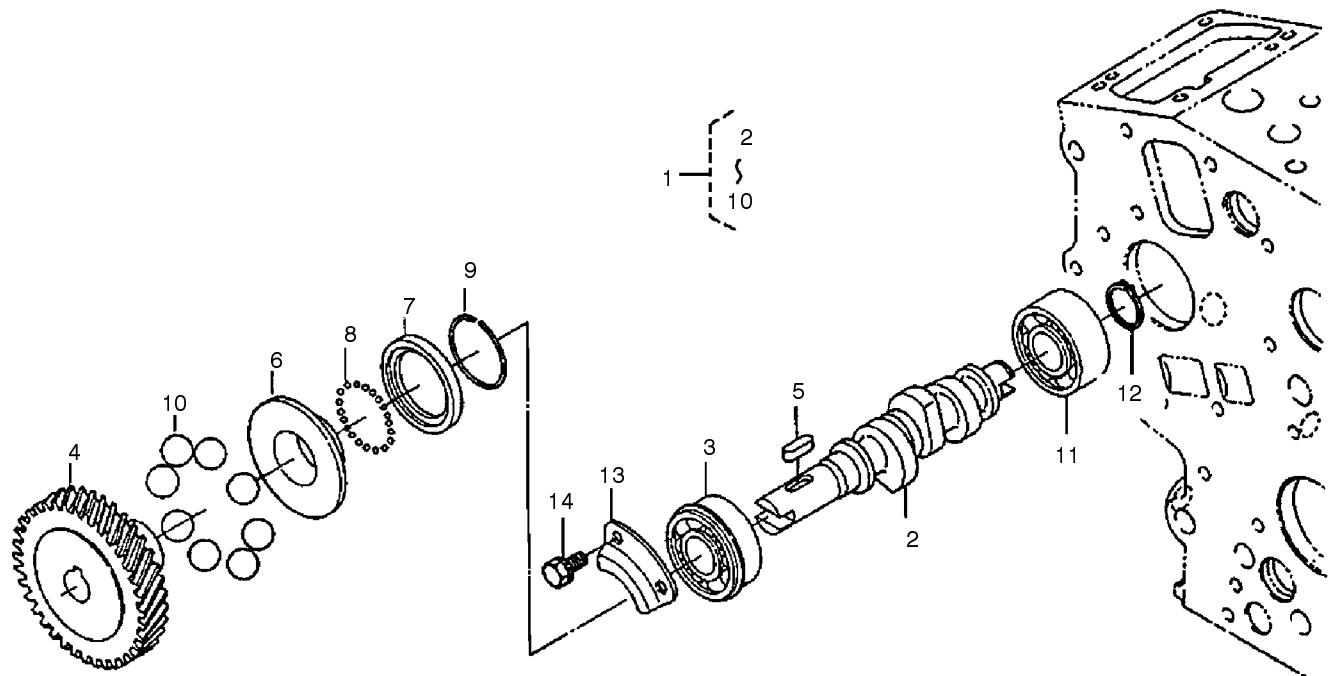
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Sheet No.:11

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

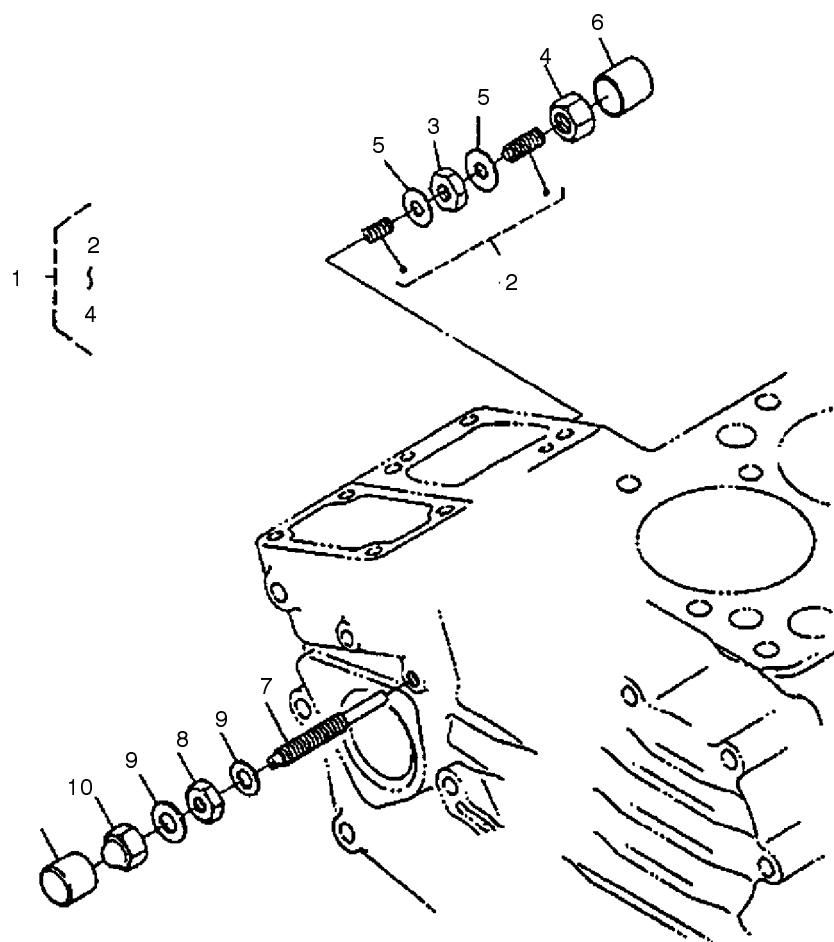


16682-007-10

Sheet No.:12

Fuel Camshaft Assembly

Ref. No.	Part No.	Qty.	Description	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/Shft				
14	98-9350	2	Bolt				

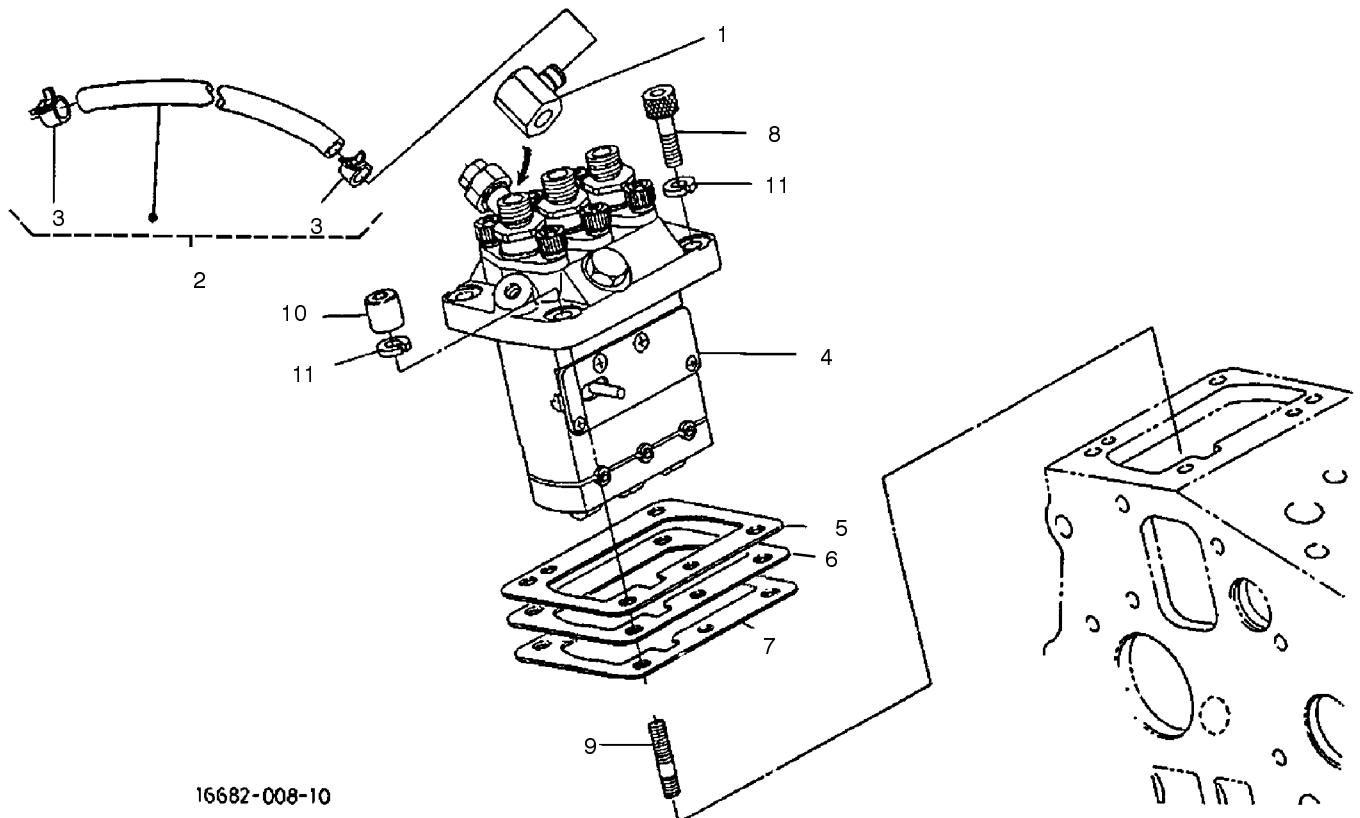


Sheet No.:13

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

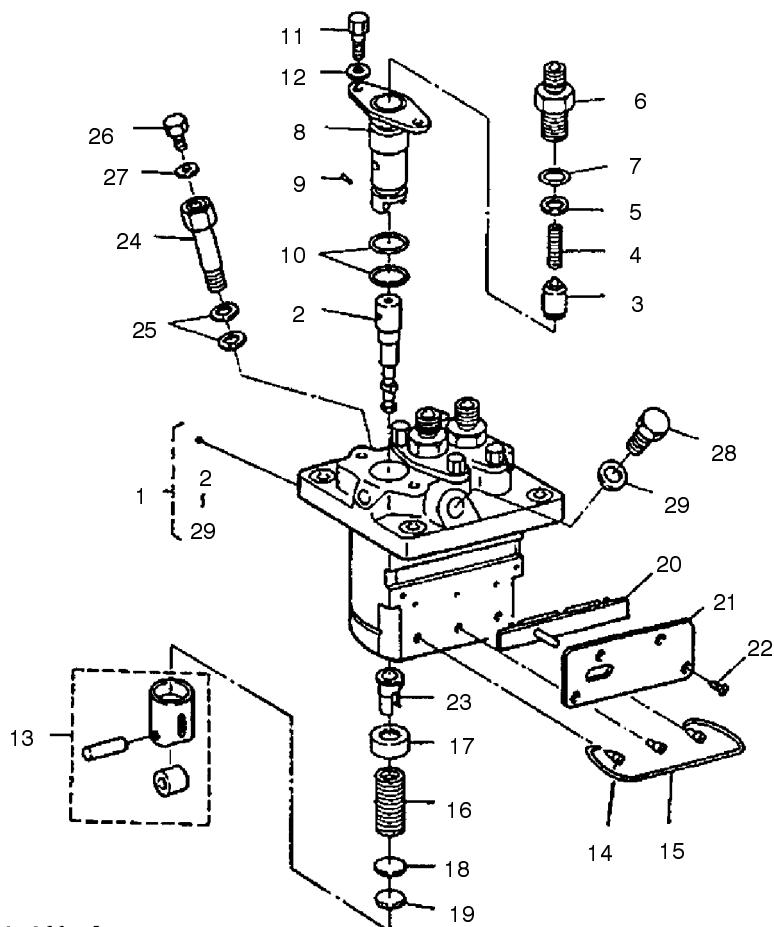
Ref. No.	Part No.	Qty.	Description



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				



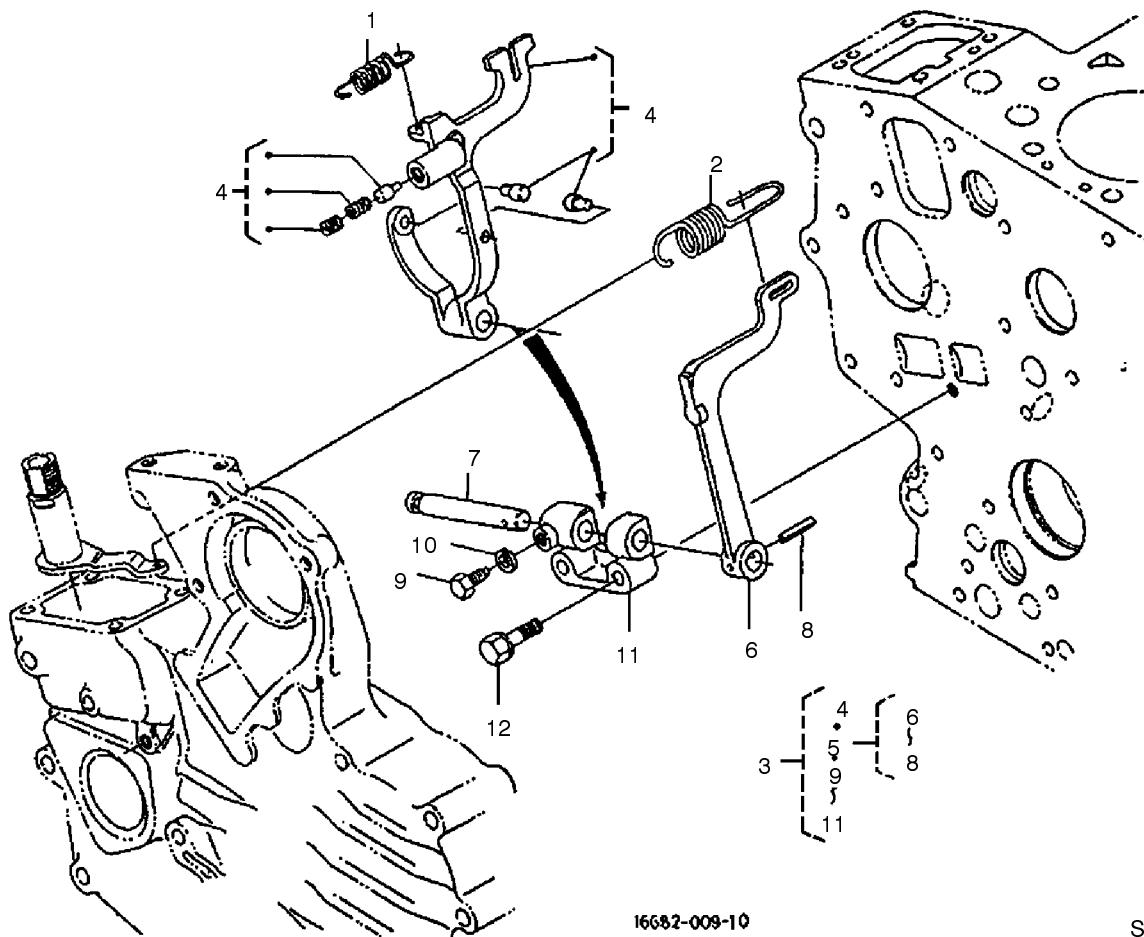
16689-009-10

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

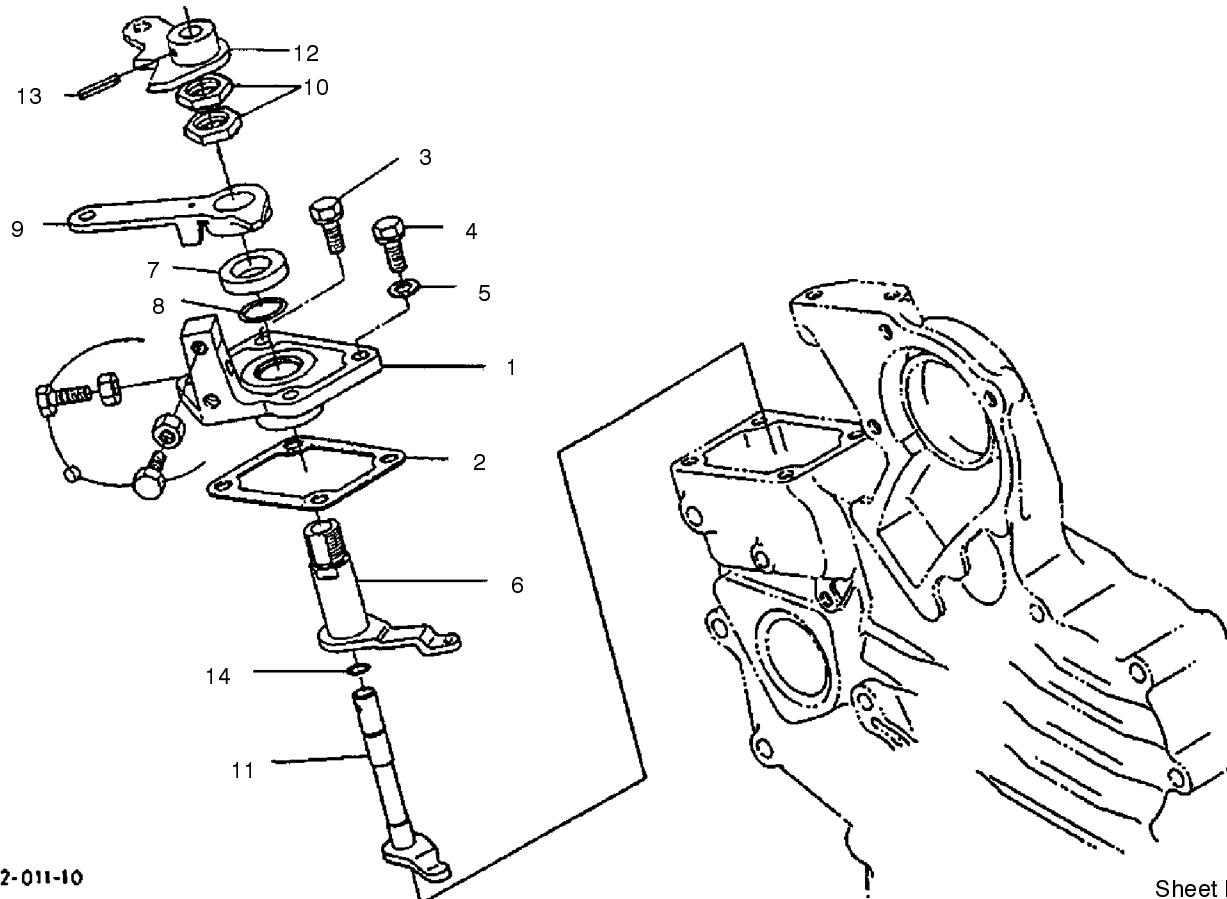


16682-009-10

Sheet No.:16

Governor Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	100-1911	1	Spring-Start				
2	100-2059	1	Spring, Governor				
3	100-1981	1	Assy Lever, Fork				
4	100-2241	1	Lever-Fork, Comp.				
5	100-1905	1	Fork Lever ASM				
6	100-1907	1	Lever, Fork				
7	100-1908	1	Shaft, Fork Lever				
8	100-1751	1	Pin, Spring				
9	100-1845	1	Bolt				
10	100-2204	1	Washer-Spring				
11	100-1909	1	Holder, Fork Lever				
12	100-1763	2	Bolt				

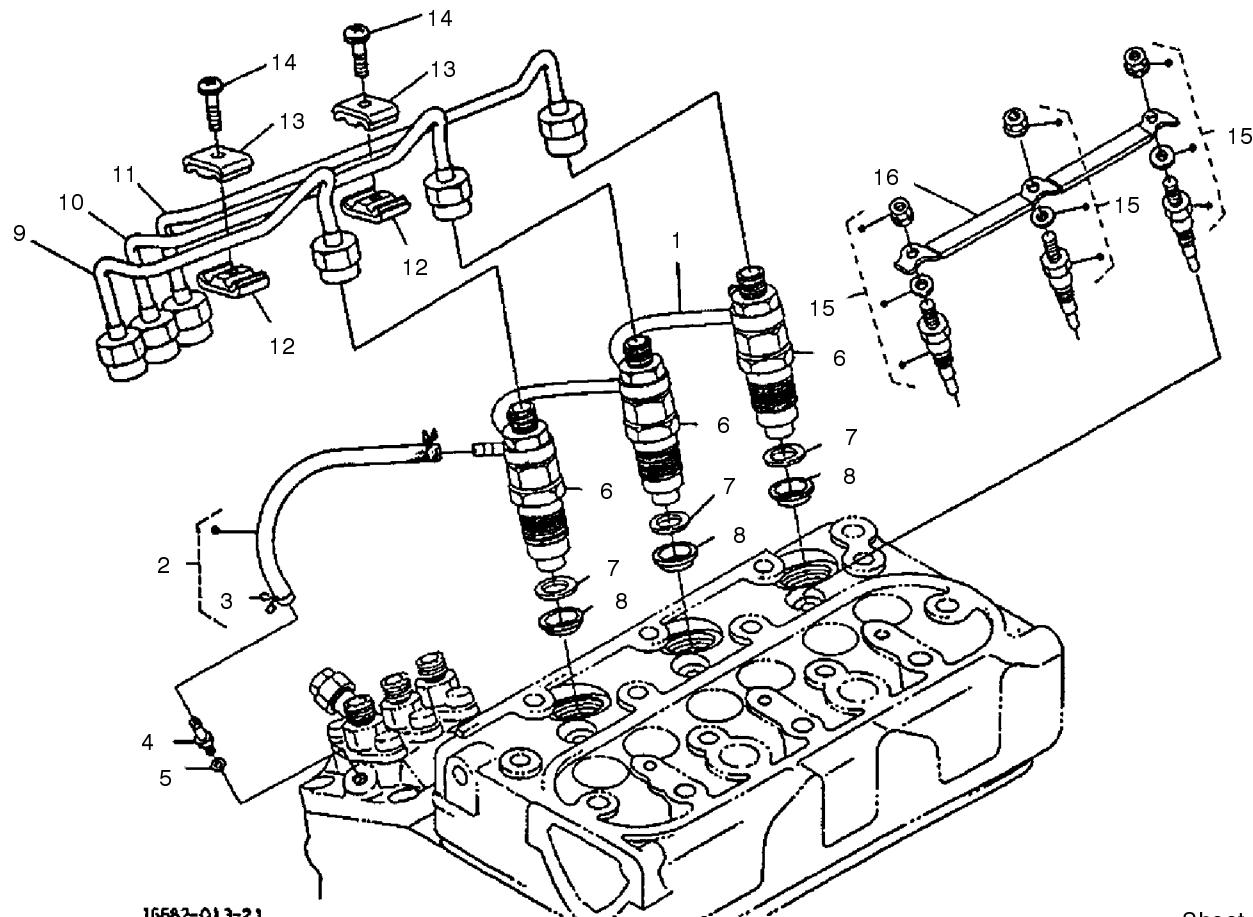


Sheet No.:17

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

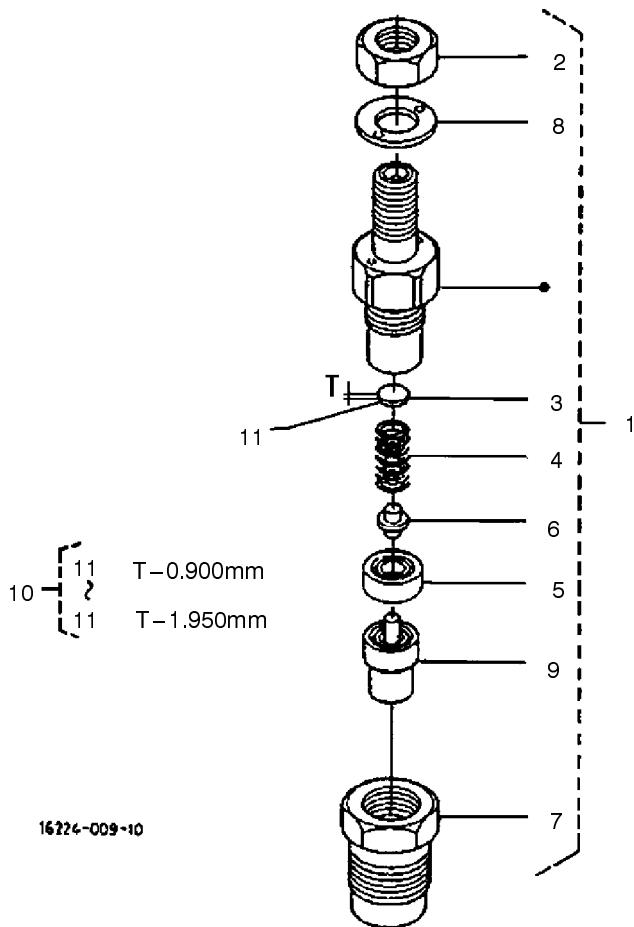
Ref. No.	Part No.	Qty.	Description



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				

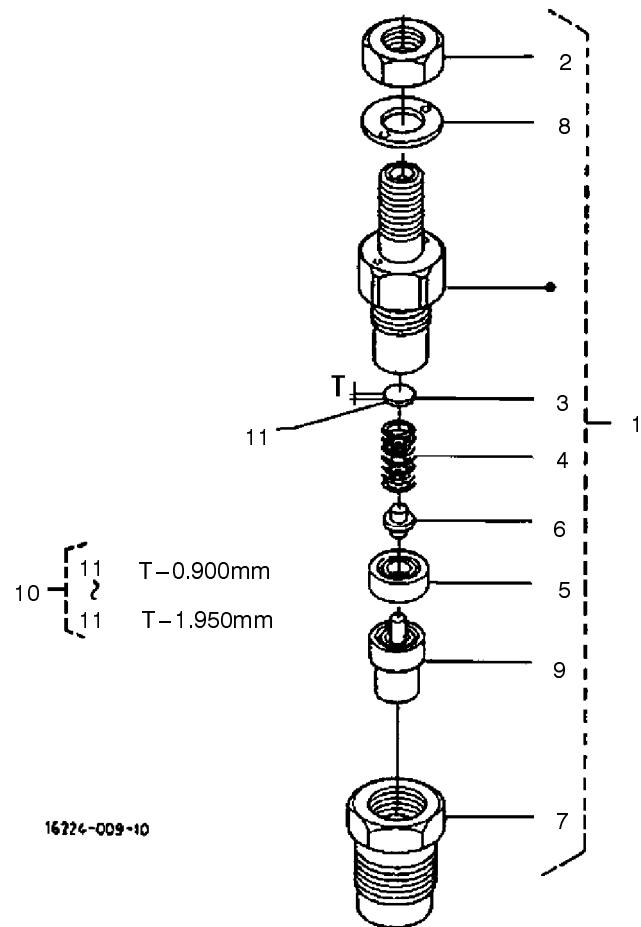


Sheet No.:19

Nozzle Holder (Complete Parts)

Ref. No.	Part No.	Qty.	Description
1	100-1758	3	Nozzle Holder ASM
2	98-7613	3	Nut
3	98-7642	3	Washer-Adjusting
4	98-7647	3	Spring-Nozzle
5	98-7665	3	Piece-Distant
6	98-7666	3	Rod-Push
7	100-2242	3	Nut-Nozzle
8	98-7668	3	Washer
9	100-2009	3	Piece-Nozzle
10	98-9448	1	Adj Washer ASM
11	98-7642	1	Washer - Adj. (.900)
11	98-7841	1	Washer - Adj. (.925)
11	98-7842	1	Washer - Adj. (.950)
11	98-7843	1	Washer - Adj. (.975)
11	98-7844	1	Washer - Adj. (1.000)
11	98-7845	1	Washer - Adj. (1.025)
11	98-7846	1	Washer - Adj. (1.050)
11	98-7847	1	Washer - Adj. (1.075)
11	98-7848	1	Washer - Adj. (1.100)
11	98-7849	1	Washer - Adj. (1.125)
11	98-7850	1	Washer - Adj. (1.150)
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)

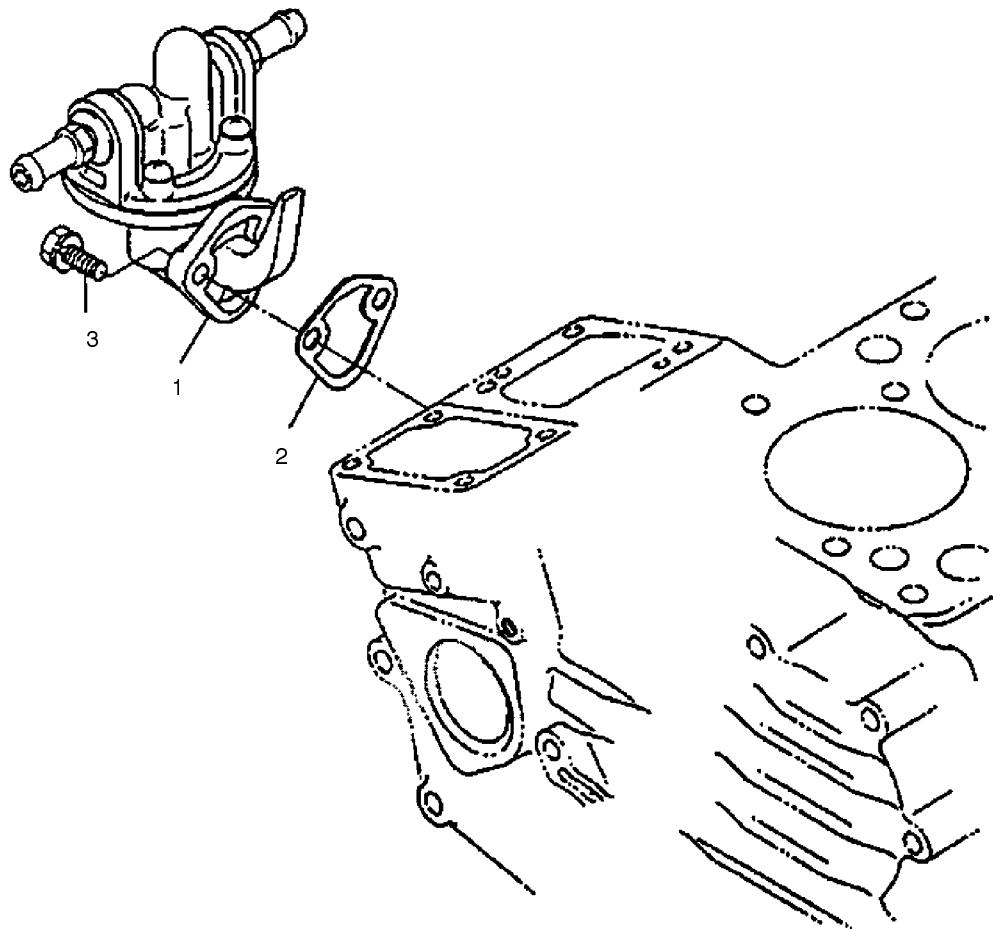
Ref. No.	Part No.	Qty.	Description
11	98-7856	1	Washer - Adj. (1.300)
11	98-7857	1	Washer - Adj. (1.325)
11	98-7858	1	Washer - Adj. (1.350)
11	98-7859	1	Washer - Adj. (1.375)
11	98-7860	1	Washer - Adj. (1.400)
11	98-7861	1	Washer - Adj. (1.425)
11	98-7862	1	Washer - Adj. (1.450)
11	98-7863	1	Washer - Adj. (1.475)
11	98-7864	1	Washer - Adj. (1.500)
11	98-7865	1	Washer - Adj. (1.525)
11	98-7866	1	Washer - Adj. (1.550)
11	98-7867	1	Washer - Adj. (1.575)
11	98-7868	1	Washer - Adj. (1.600)
11	98-7869	1	Washer - Adj. (1.625)
11	98-7870	1	Washer - Adj. (1.650)
11	98-7871	1	Washer - Adj. (1.675)
11	98-7872	1	Washer - Adj. (1.700)
11	98-7873	1	Washer - Adj. (1.725)
11	98-7874	1	Washer - Adj. (1.750)
11	98-7875	1	Washer - Adj. (1.775)
11	98-7876	1	Washer - Adj. (1.800)



Sheet No.:19

Nozzle Holder (Complete Parts Continued)

Ref. No.	Part No.	Qty.	Description	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)				

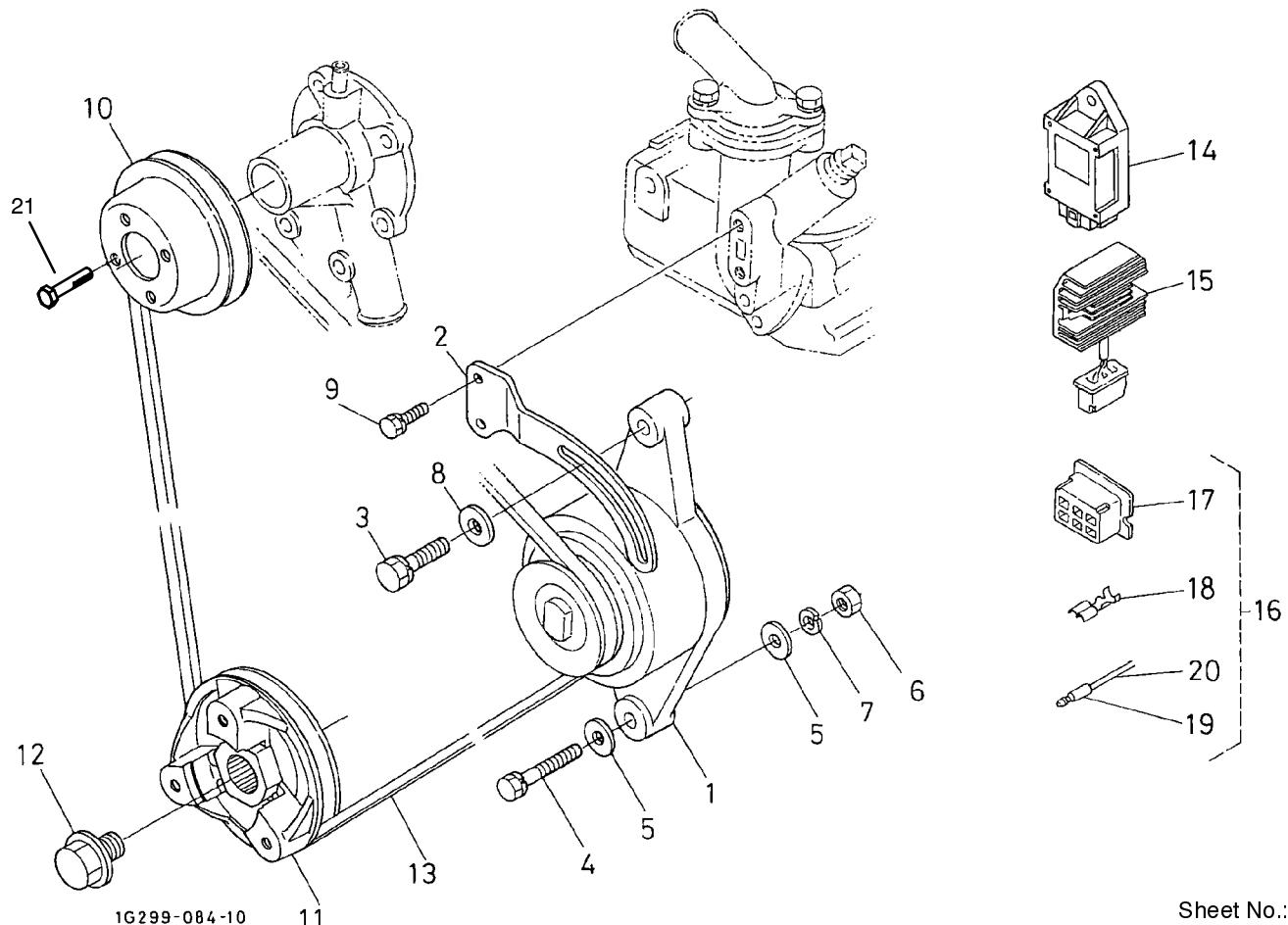


Sheet No.:20

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

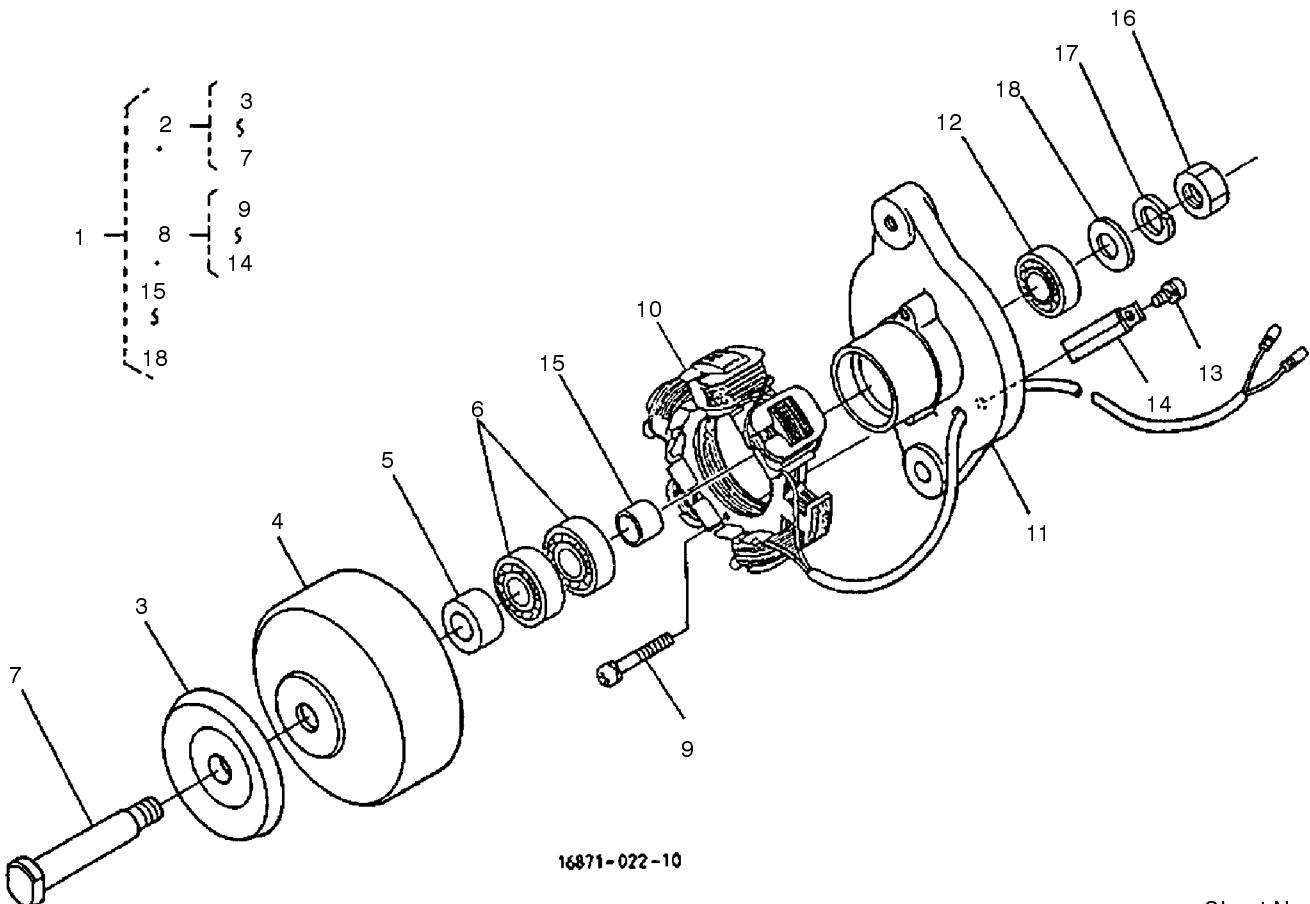
Ref. No.	Part No.	Qty.	Description



Sheet No.:21

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				



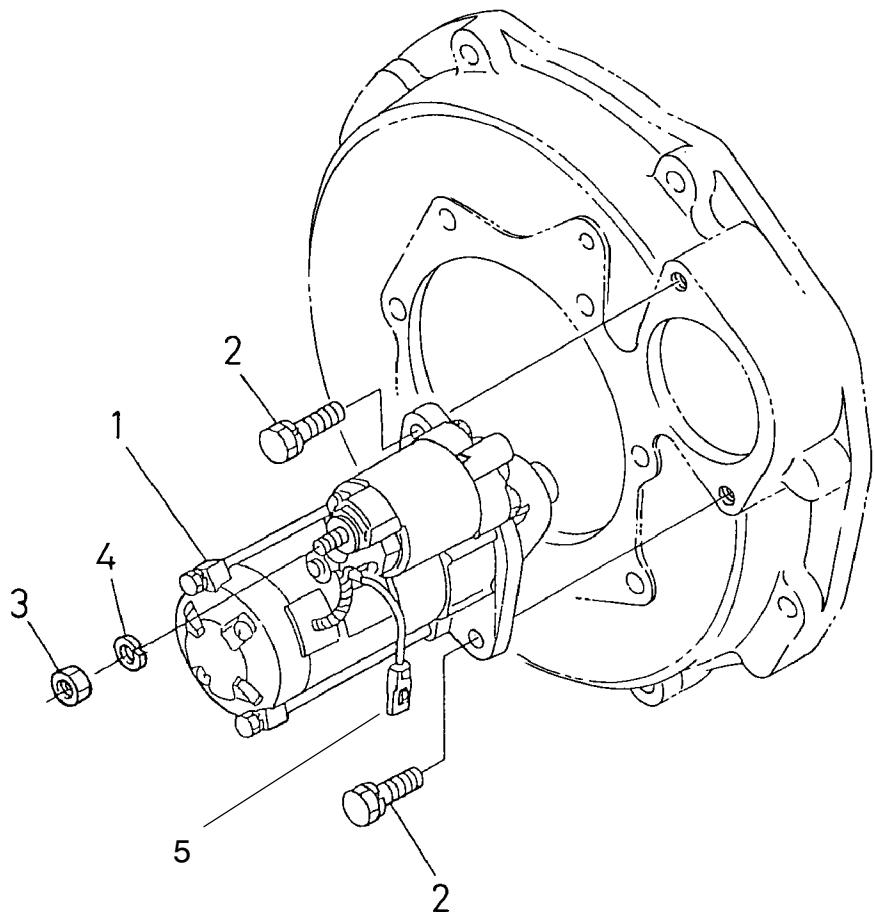
16871-022-10

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

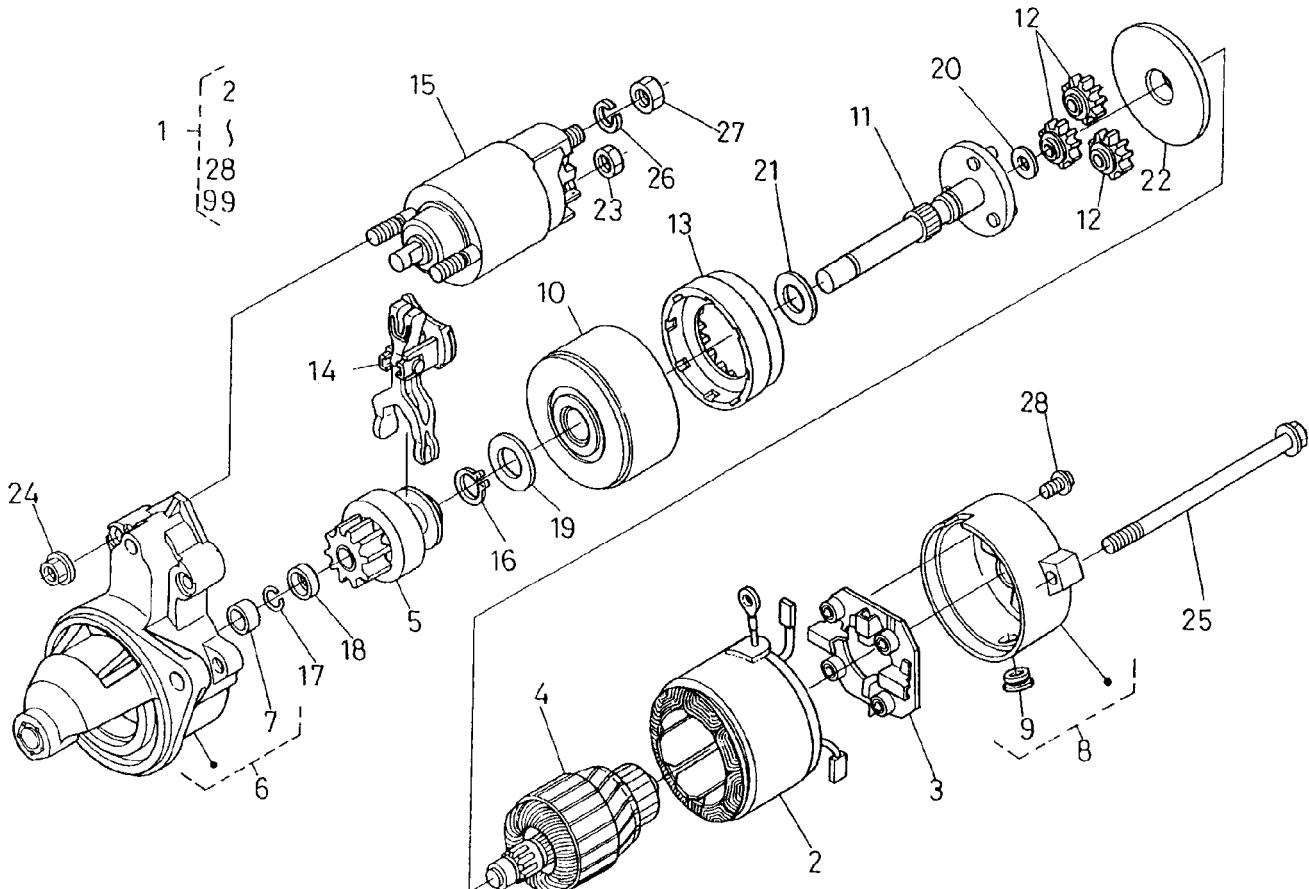


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Sheet No.:23

Starter Assembly

Ref. No.	Part No.	Qty.	Description	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				



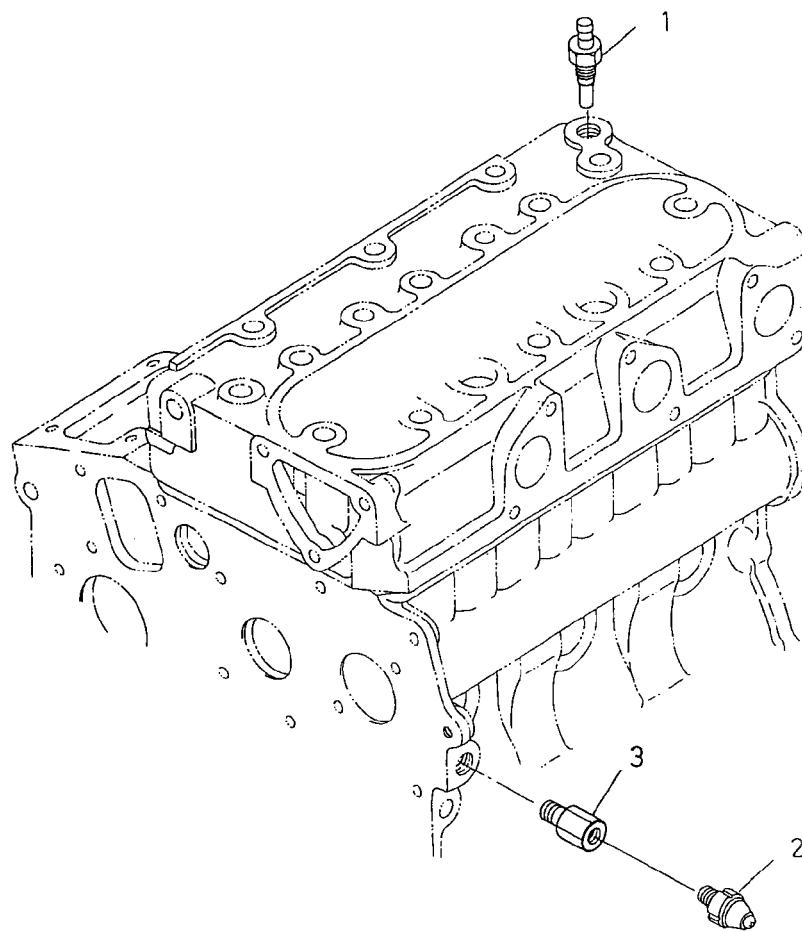
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Sheet No.:24

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

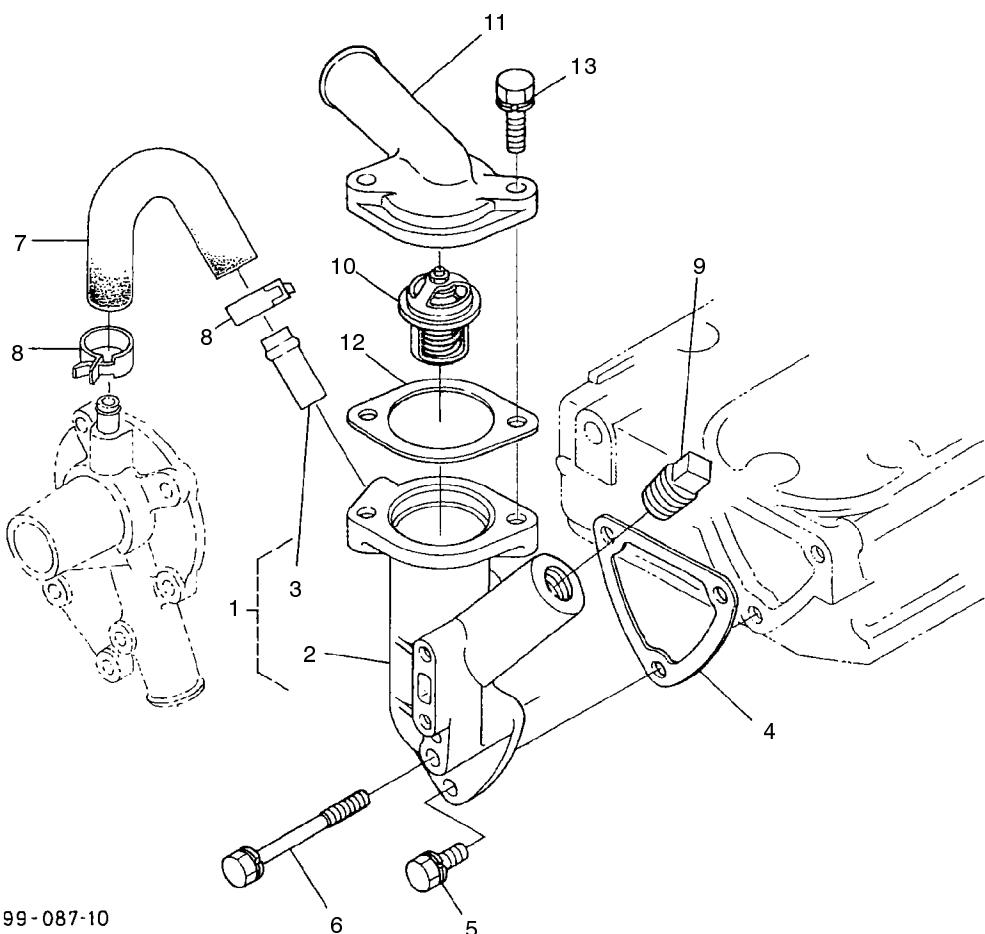


1G299-086-10

Sheet No.:25

Oil Switch and Thermoswitch Assembly

Ref. No.	Part No.	Qty.	Description	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				

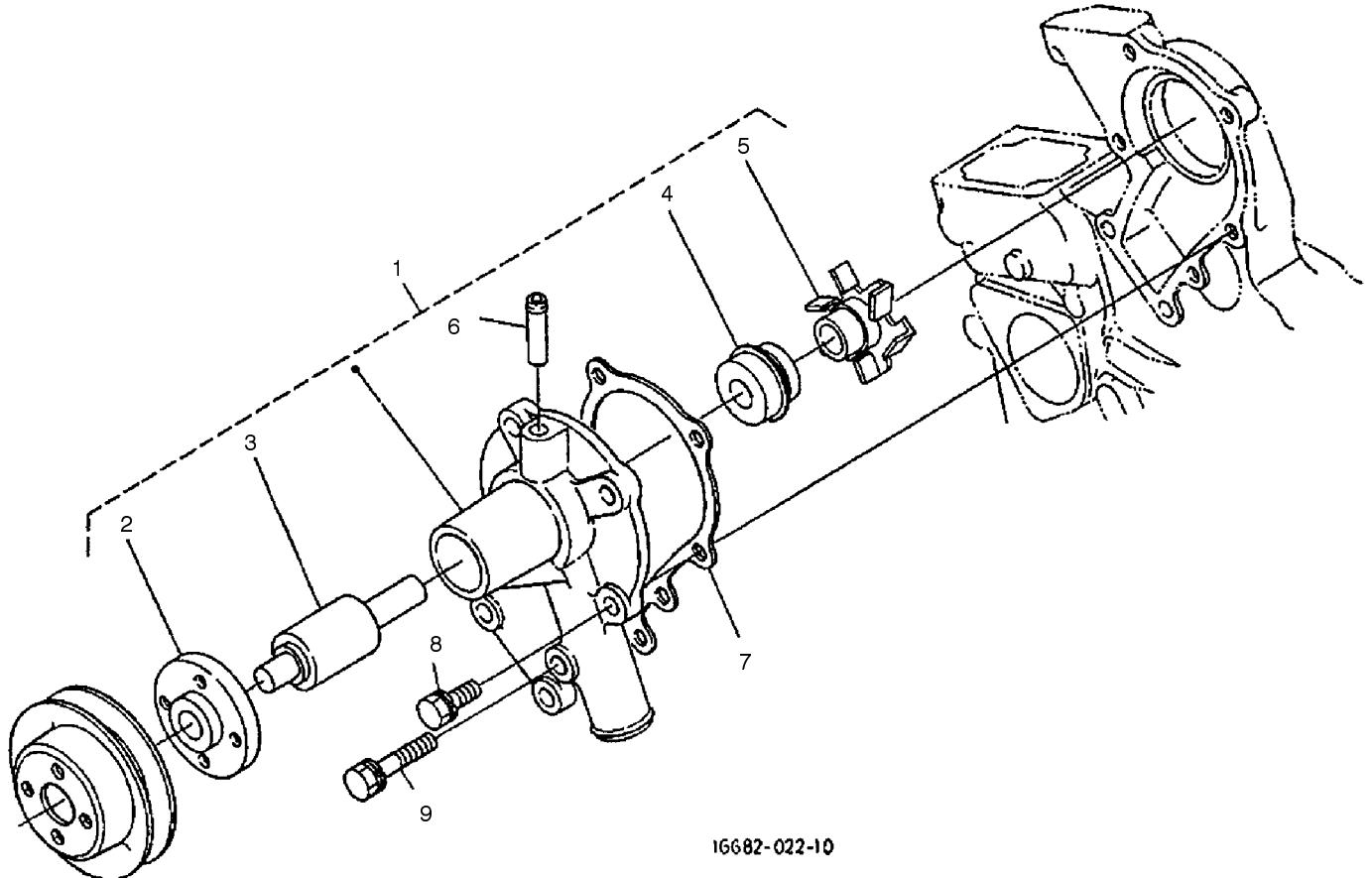


Sheet No.:26

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

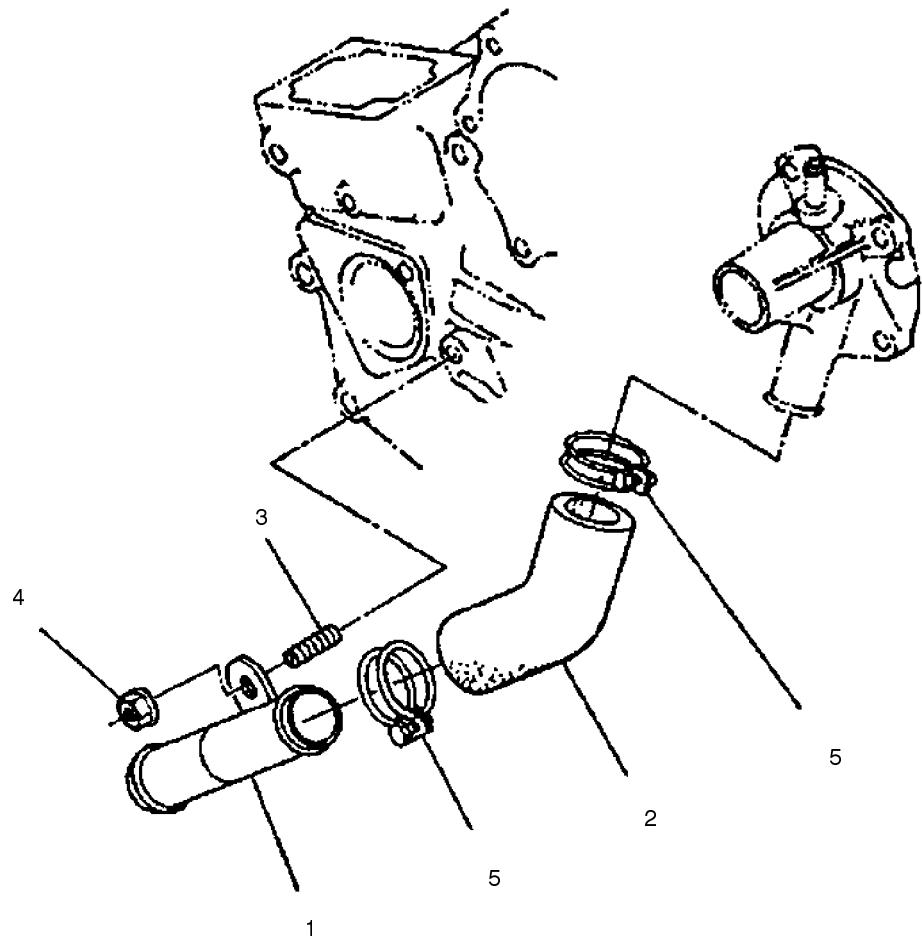
Ref. No.	Part No.	Qty.	Description



Sheet No.:27

Water Pump Assembly

Ref. No.	Part No.	Qty.	Description	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				

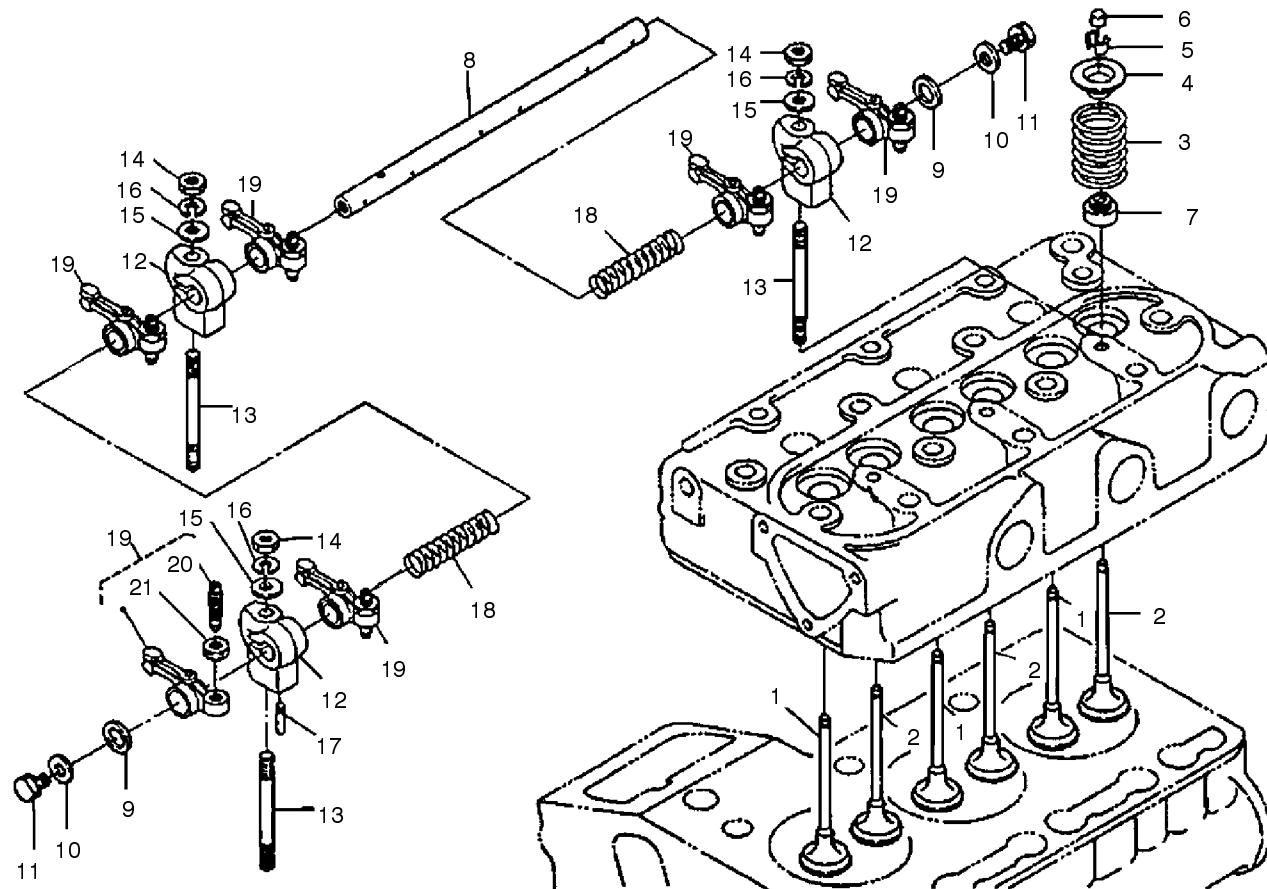


Sheet No.:28

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

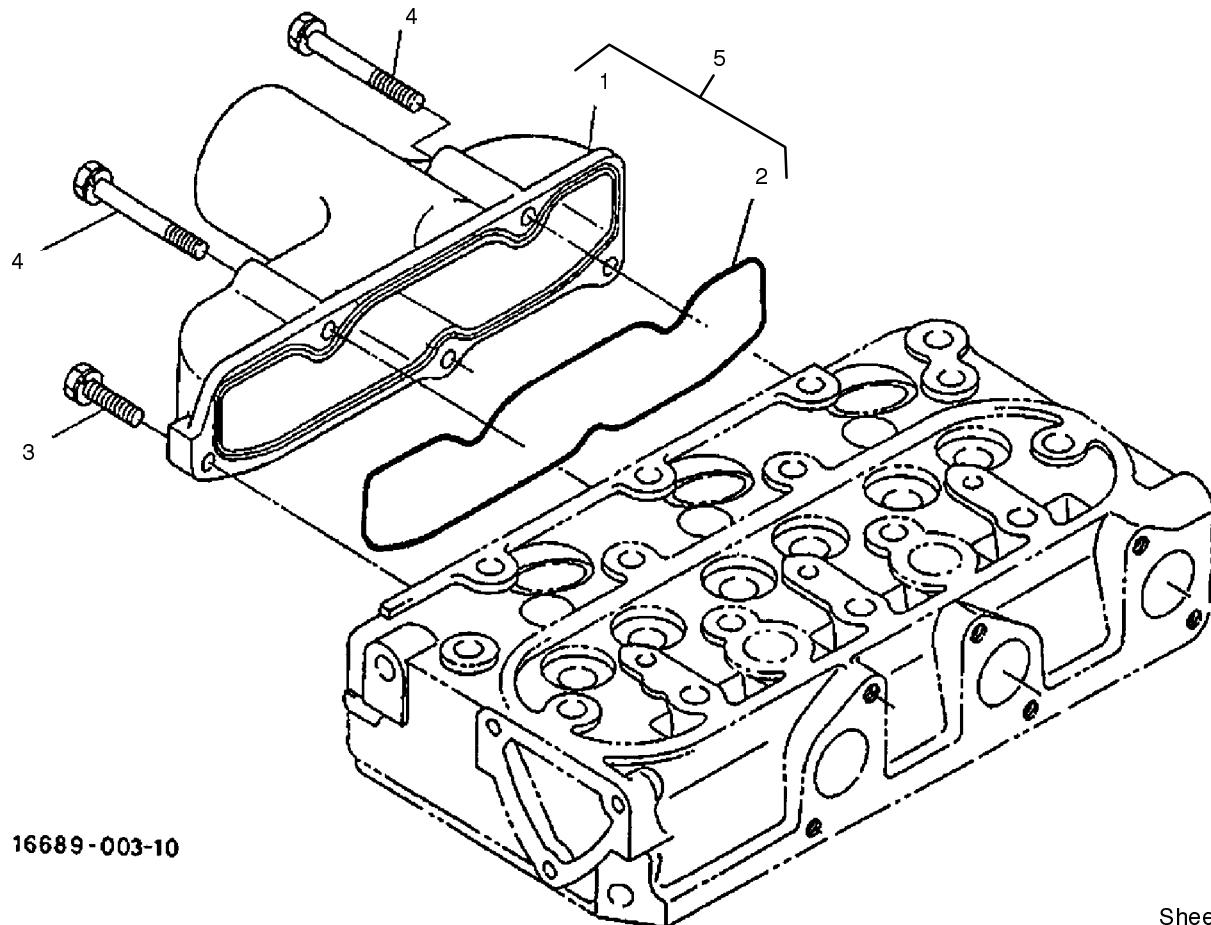


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Sheet No.:29

Valve and Rocker Arm Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	100-1821	3	Valve-Inlet				
2	100-1822	3	Valve-Exhaust				
3	100-1823	6	Spring-Valve				
4	100-1825	6	Retainer-Valve, Sp.				
5	100-1826	6	Collet-Spring, Valve				
6	100-2155	6	Cap-Valve				
7	100-1797	6	Seal-Stem, Valve				
8	100-2237	1	Shaft-Arm, Rocker				
9	100-2044	2	Washer				
10	100-1927	2	Washer-Plain				
11	100-1762	2	Bolt				
12	100-1886	3	Bracket-Arm, Rocker				
13	100-1829	3	Stud				
14	98-7572	3	Nut				
15	98-7648	3	Washer-Plain				
16	98-9367	3	Washer-Spring				
17	98-7602	1	Pin-Spring				
18	100-1828	2	Spring,-Arm, Rocker				
19	100-1884	6	Rocker Arm ASM				
20	100-1885	6	Screw-Adjusting				
21	100-1827	6	Nut				

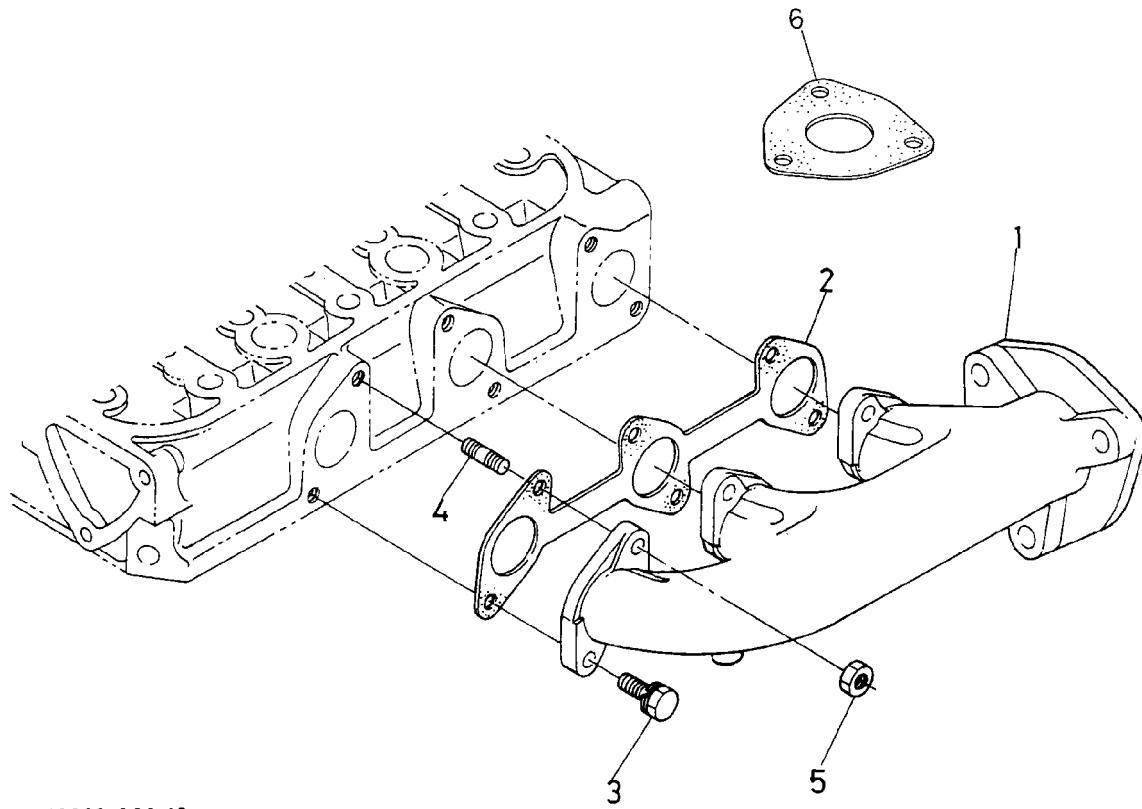


Sheet No.:30

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

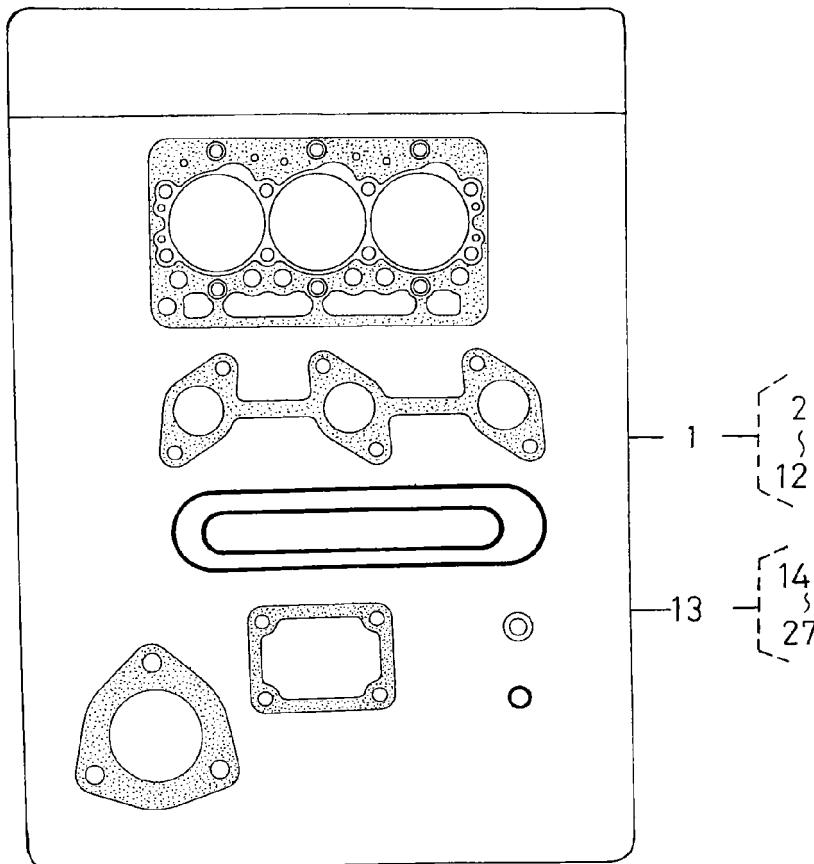


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Sheet No.:31

Exhaust Manifold Assembly

Ref. No.	Part No.	Qty.	Description	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				



19449-018-10

Sheet No.:32

Gasket Kit

Ref. No.	Part No.	Qty.	Description
1	100-2176	1	Kit-Gasket, Upper
2	98-7509	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

Ref. No.	Part No.	Qty.	Description
26	100-2208	1	O-Ring
27	100-2207	1	O-Ring

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