

PARTS MANUAL



WHISPERWATT™ SERIES MODEL TLG8SSK4F PORTABLE GENERATOR (KUBOTA Z482-E4B-DGDE-3 DIESEL ENGINE)

Revision #1 (02/10/17)

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publication, visit our website at:
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THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

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NOTICE

Specifications and part numbers are subject to change without notice.

PARTS ORDERING PROCEDURES

Ordering parts has never been easier! Choose from three easy options:

Effective:
January 1st, 2006



Order via Internet (Dealers Only):

Order parts on-line using Multiquip's SmartEquip website!

- View Parts Diagrams
- Order Parts
- Print Specification Information



If you have an MQ Account, to obtain a Username and Password, E-mail us at: **parts@multiquip.com**.

To obtain an MQ Account, contact your District Sales Manager for more information.

Goto www.multiquip.com and click on

Order Parts to log in and save!

Use the **internet** and qualify for a **5% Discount** on *Standard orders* for all orders which include complete part numbers.*

Note: Discounts Are Subject To Change



Order via Fax (Dealers Only):

All customers are welcome to order parts via Fax.

Domestic (US) Customers dial:

1-800-6-PARTS-7 (800-672-7877)

Fax your order in and qualify for a **2% Discount** on *Standard orders* for all orders which include complete part numbers.*

Note: Discounts Are Subject To Change



Order via Phone: Domestic (US) Dealers Call:
1-800-427-1244

Non-Dealer Customers:

Contact your local Multiquip Dealer for parts or call 800-427-1244 for help in locating a dealer near you.



International Customers should contact their local Multiquip Representatives for Parts Ordering information.

When ordering parts, please supply:

- ☐ Dealer Account Number
- ☐ Dealer Name and Address
- ☐ Shipping Address (if different than billing address)
- ☐ Return Fax Number
- ☐ Applicable Model Number
- ☐ Quantity, Part Number and Description of Each Part

☐ Specify Preferred Method of Shipment:

- ☒ UPS/Fed Ex
- ☒ Priority One
- ☒ Ground
- ☒ Next Day
- ☒ Second/Third Day
- ☒ DHL
- ☒ Truck

NOTICE

All orders are treated as *Standard Orders* and will ship the same day if received prior to 3PM PST.

WE ACCEPT ALL MAJOR CREDIT CARDS!



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EXPLANATION OF CODE IN REMARKS COLUMN

The following section explains the different symbols and remarks used in the Parts section of this manual. Use the help numbers found on the back page of the manual if there are any questions.

NOTICE

The contents and part numbers listed in the parts section are subject to change **without notice**. Multiquip does not guarantee the availability of the parts listed.

SAMPLE PARTS LIST

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	12345	BOLT	1	INCLUDES ITEMS W/%
2%		WASHER, 1/4 IN.		NOT SOLD SEPARATELY
2%	12347	WASHER, 3/8 IN. ...	1	MQ-45T ONLY
3	12348	HOSE		A/R ...MAKE LOCALLY
4	12349	BEARING	1	S/N 2345B AND ABOVE

NO. Column

Unique Symbols — All items with same unique symbol (@, #, +, %, or >) in the number column belong to the same assembly or kit, which is indicated by a note in the “Remarks” column.

Duplicate Item Numbers — Duplicate numbers indicate multiple part numbers, which are in effect for the same general item, such as different size saw blade guards in use or a part that has been updated on newer versions of the same machine.

NOTICE

When ordering a part that has more than one item number listed, check the remarks column for help in determining the proper part to order.

PART NO. Column

Numbers Used — Part numbers can be indicated by a number, a blank entry, or TBD.

TBD (To Be Determined) is generally used to show a part that has not been assigned a formal part number at the time of publication.

A blank entry generally indicates that the item is not sold separately or is not sold by Multiquip. Other entries will be clarified in the “Remarks” Column.

QTY. Column

Numbers Used — Item quantity can be indicated by a number, a blank entry, or A/R.

A/R (As Required) is generally used for hoses or other parts that are sold in bulk and cut to length.

A blank entry generally indicates that the item is not sold separately. Other entries will be clarified in the “Remarks” Column.

REMARKS Column

Some of the most common notes found in the “Remarks” Column are listed below. Other additional notes needed to describe the item can also be shown.

Assembly/Kit — All items on the parts list with the same unique symbol will be included when this item is purchased.

Indicated by:

“INCLUDES ITEMS W/(unique symbol)”

Serial Number Break — Used to list an effective serial number range where a particular part is used.

Indicated by:

“S/N XXXXX AND BELOW”

“S/N XXXX AND ABOVE”

“S/N XXXX TO S/N XXX”

Specific Model Number Use — Indicates that the part is used only with the specific model number or model number variant listed. It can also be used to show a part is NOT used on a specific model or model number variant.

Indicated by:

“XXXXX ONLY”

“NOT USED ON XXXX”

“Make/Obtain Locally” — Indicates that the part can be purchased at any hardware shop or made out of available items. Examples include battery cables, shims, and certain washers and nuts.

“Not Sold Separately” — Indicates that an item cannot be purchased as a separate item and is either part of an assembly/kit that can be purchased, or is not available for sale through Multiquip.

SUGGESTED SPARE PARTS

TLG88SSK4 60 Hz GENERATOR

1 to 3 units

Qty.	P/N	Description
1.....	0810105800.....	FUEL CAP
5.....	1T02143560	FUEL FILTER
5.....	0810105900.....	FUEL STRAINER (TANK)
1.....	3741059110.....	STARTER SWITCH
5.....	3741055150.....	IGNITION KEY
1.....	0601842347.....	RESISTOR
1.....	1584464603.....	REGULATOR
1.....	0601872601.....	CIRCUIT BREAKER, 3P 20A
1.....	0601808803.....	CIRCUIT BREAKER, 1P 20A
1.....	0601823857.....	IDLE CONTROL UNIT
1.....	0601810523.....	INDICATOR ASSY
3.....	0601810830.....	BULB, ASSY
3.....	0601806642.....	FUSE, 5A
3.....	0601806643.....	FUSE, 15A
3.....	0601806644.....	FUSE, 30A
3.....	0601806640.....	FUSE, 65A

NOTICE

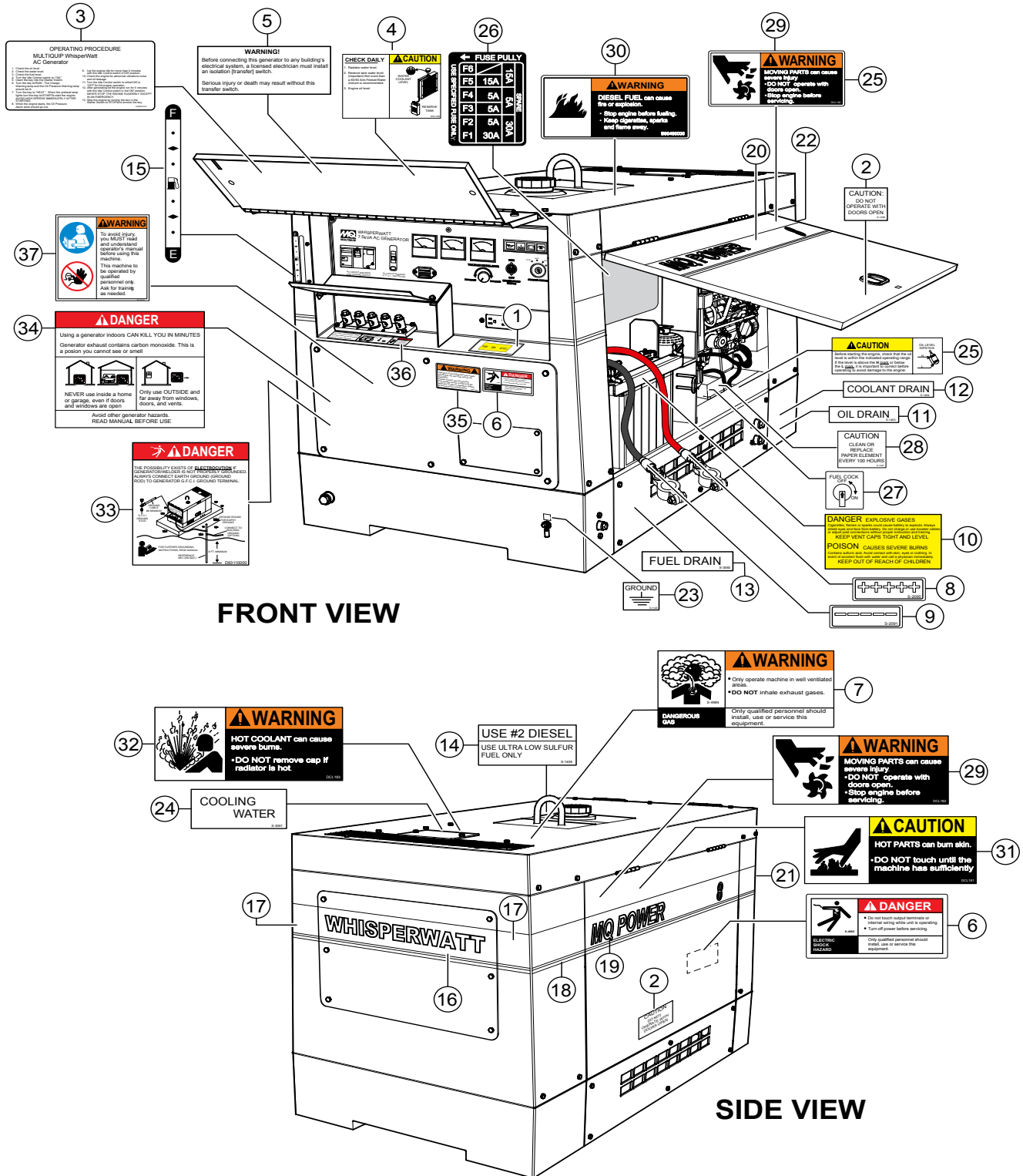
Part numbers on this Suggested Spare Parts list may supersede/replace the part numbers shown in the following parts lists.

KUBOTA Z482-E4B DIESEL ENGINE

1 to 3 units

Qty.	P/N	Description
5.....	1556211010.....	AIR FILTER
5.....	1556211080.....	AIR FILTER, ELEMENT
2.....	1980572531.....	FAN BELT
1.....	1522139013.....	OIL SENSING UNIT
1.....	A6311500004	RADIATOR HOSE (UPPER)
1.....	A6311500103	RADIATOR HOSE (LOWER)
2.....	1753883040.....	SWITCH, WATER TEMP
4.....	1G67965512.....	GLOW PLUG

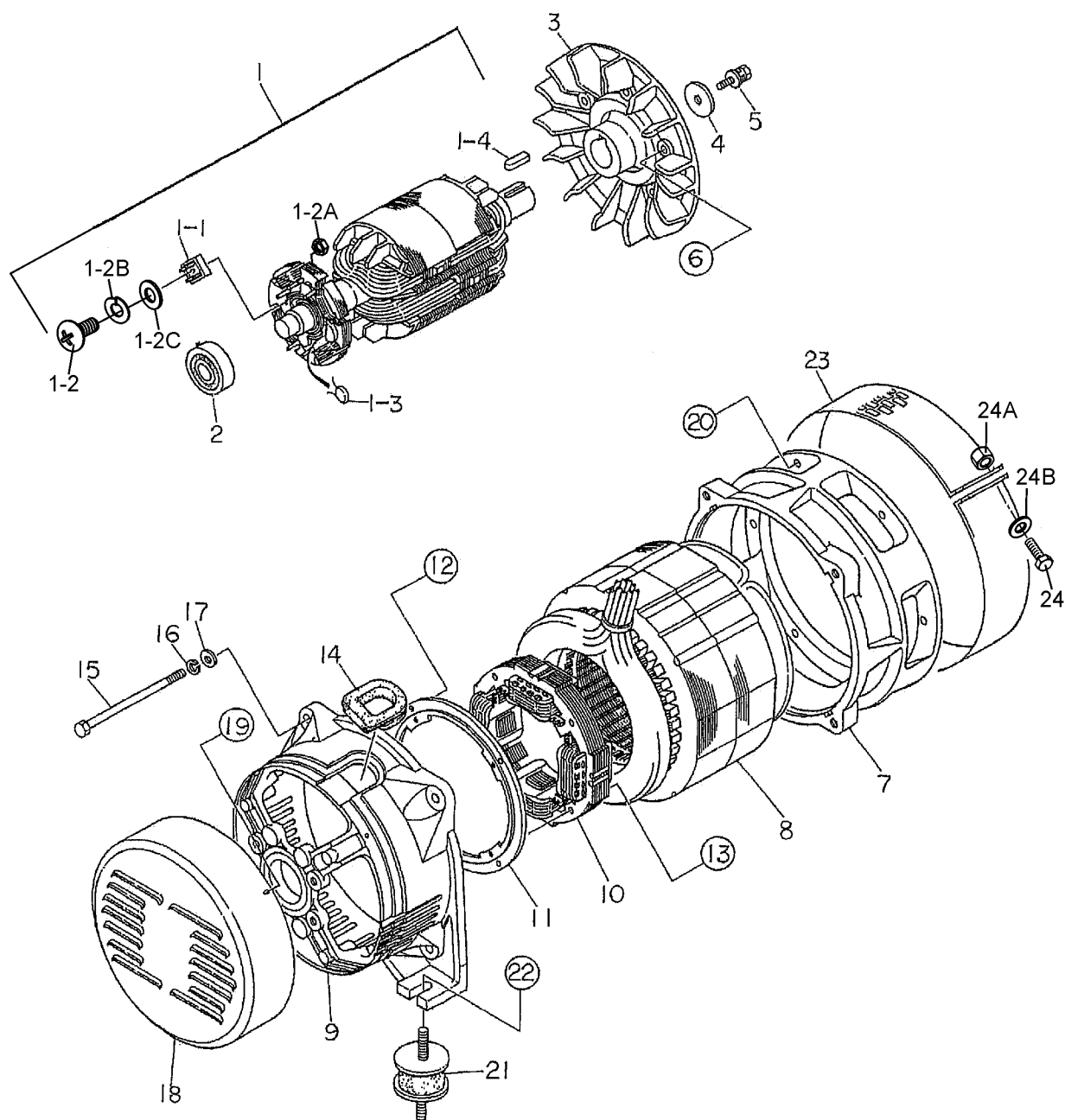
NAMEPLATE AND DECALS ASSY.



NAMEPLATE AND DECALS ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	A6551001004	DECAL: AC POWER OUTPUT	1.....	A65100100
2	1630610504	DECAL: CAUTION	2.....	S-1409
3	A6551001103	DECAL: OPERATING PROCEDURE	1.....	A65100110
4	6390671104	DECAL: IMPORTANT "CHECK DAILY"	1.....	S-2377
5	W0820610404	DECAL: WARNING	1.....	S-3637
6	8700611904	DECAL: DANGER ELECT. SHOCK HAZARD ...	2.....	S-4985
7	D9504200204	DECAL: WARNING DANGEROUS GAS	1.....	D90420020
8	W0600689404	DECAL: +	1.....	S-2090
9	W0600689504	DECAL: —	1.....	S-2091
10	W0820650604	DECAL: DANGER EXPLOSIVE GASES	1	
11	1630645004	DECAL: OIL DRAIN	1.....	S-1403
12	1630647004	DECAL: COOLANT DRAIN.....	1.....	S-1404
13	7810680104	DECAL: FUEL DRAIN.....	1.....	S-3060
14	B9504501214	DECAL: DIESEL FUEL	1.....	B90450121
15	W8720615204	DECAL: FUEL GAUGE	1.....	S-4704A
16	A6561100103	DECAL: STRIPE WHISPERWATT	1	
17	A6S61100204	DECAL: STRIPE	2	
18	A6561100304	DECAL: STRIPE	1	
19	A6561100403	DECAL: STRIPE MQ POWER 8	1	
20	A6561100603	DECAL: STRIPE MQ POWER 8	1	
21	A6561100504	DECAL: STRIPE	2	
22	A6561100704	DECAL: STRIPE	1	
23	W0600628504	DECAL: GROUND	1.....	S-1123
24	7810680204	DECAL: COOLING WATER	1.....	S-3061
25	B9505000304	DECAL: CAUTION OIL LEVEL GAUGE	1.....	B90500030
26	8700625504	DECAL: FUSE BOX	1.....	S-4936
27	1630680104	DECAL: FUEL COCK.....	1.....	S-1407
28	1630610404	DECAL: CAUTION	1.....	S-1406
29	B9504000404	DECAL: WARNING MOVING PARTS	2.....	B90400040
30	B9504500004	DECAL: WARNING DIESEL FUEL	1.....	B90450000
31	B9504000304	DECAL: CAUTION HOT PARTS	1.....	B90400030
32	B9504100104	DECAL: WARNING HOT COOLANT	1.....	B90410010
33	D9531100004	DECAL: DANGER ELECTROCUTION	1.....	D93110000
34	A9504000014	DECAL: DANGER.....	1.....	A90400001
35	920214100	DECAL: WARNING START FIRES	1.....	REPLACES P/N M9504200004 M90420000
36	A9521201003	DECAL: 3-PHASE AC OUTPUT TERMINAL	1.....	A92120100
37	35137	DECAL: READ MANUAL	1.....	REPLACES P/N A9511100004 A91110000

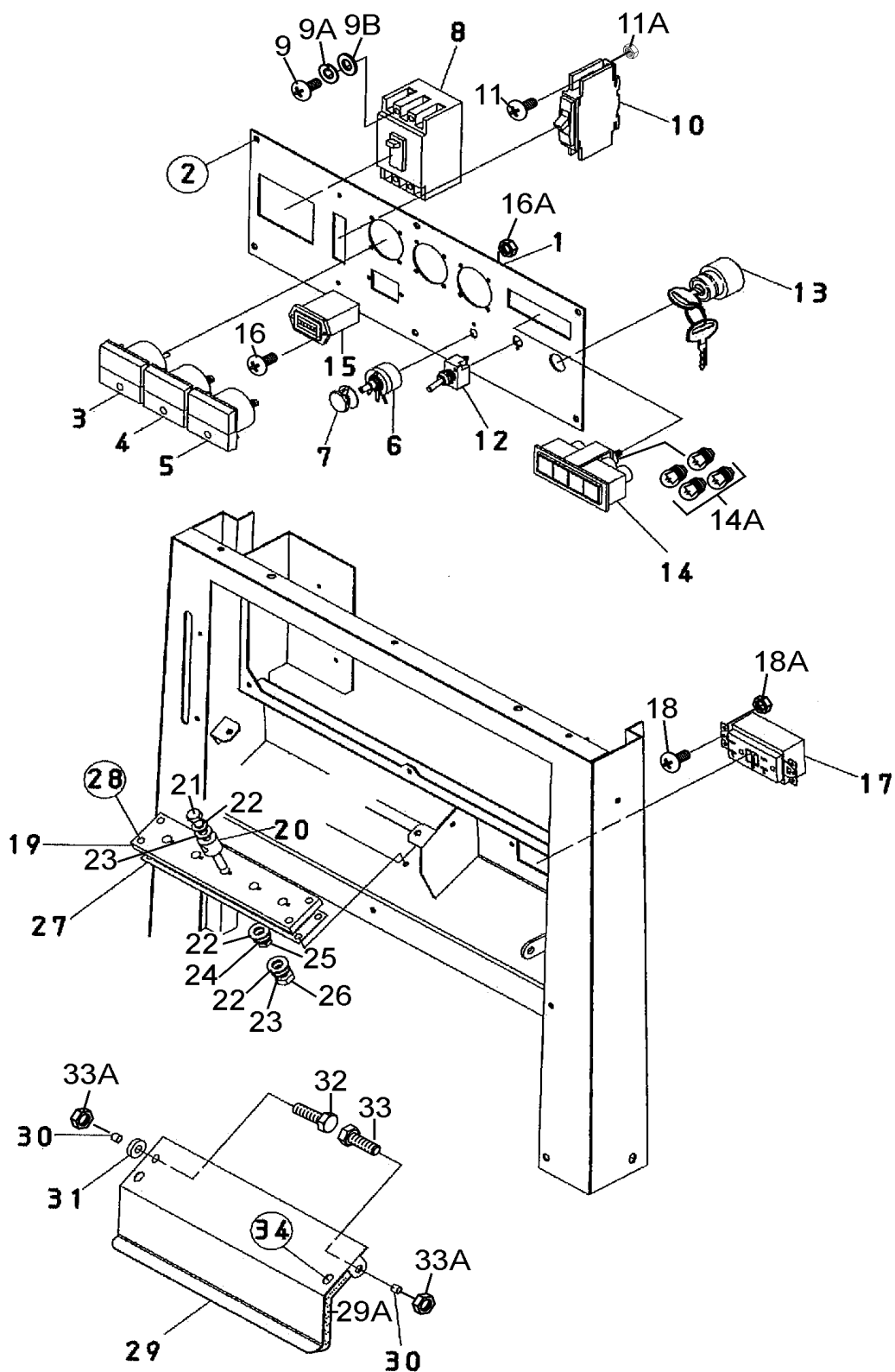
GENERATOR ASSY.



GENERATOR ASSY.

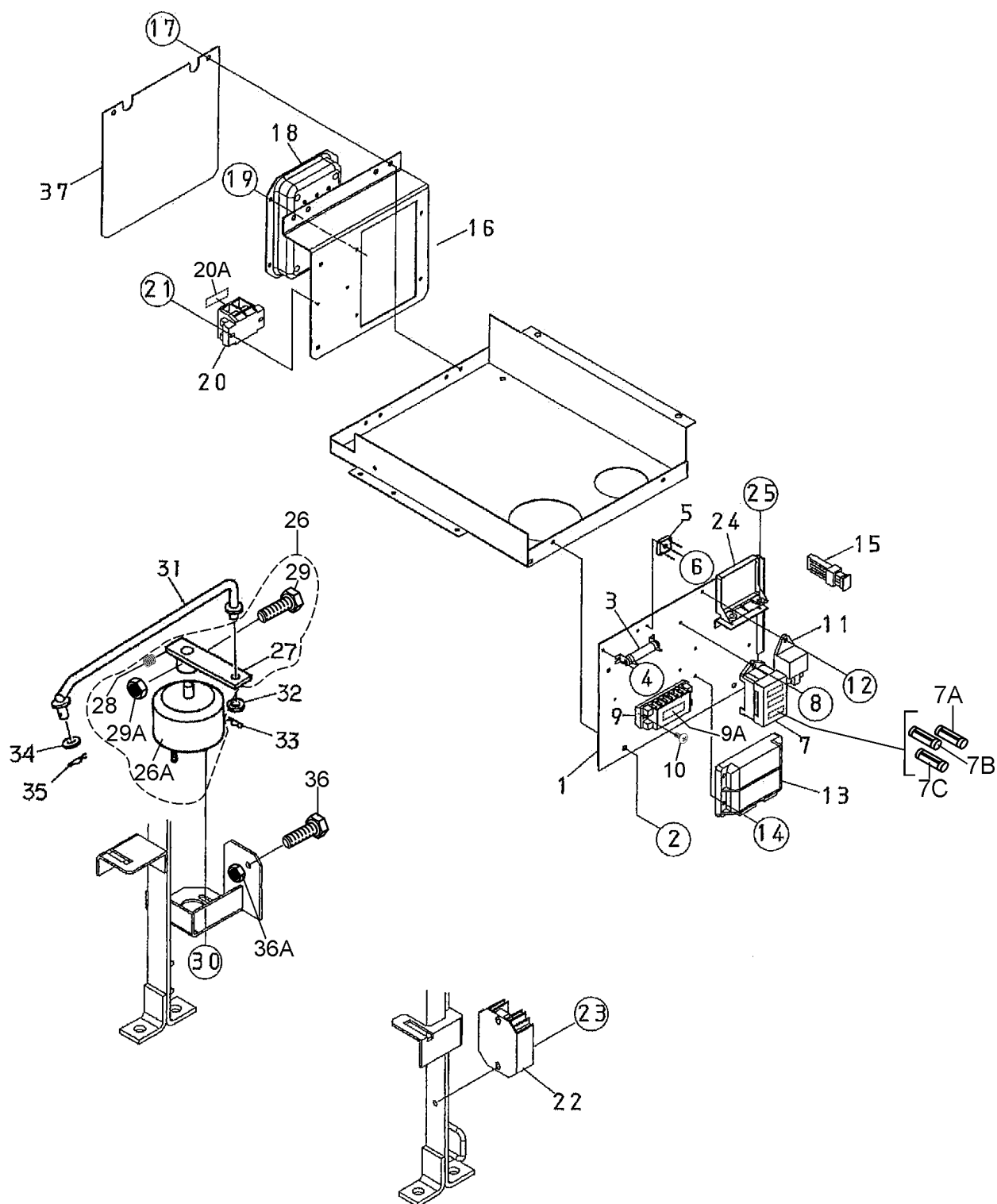
<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	W8541000113	ROTOR ASSY.	1.....	INCLUDES ITEMS W/#
1-1#	0601820037	RECTIFIER	1	
1-2#	D4117400104	MACHINE SCREW	1	
1-2A#	0207003000	HEX. NUT	1.....	REPLACES P/N 0030003000
1-2B#	0040003000	WASHER, LOCK	1	
1-2C#	0041203000	WASHER, FLAT	1	
1-3#	0601822638	SURGE ABSORBER	1	
1-4#	0171707033	KEY	1	
2#	0071206304	BEARING	1	
3	W1991070022	FAN	1	
4	1991072004	SET WASHER, FAN	1	
5	0012308020	HEX. HEAD BOLT	1	
6	011208025	HEX. HEAD BOLT	5.....	REPLACES P/N 0012308025
7	W1991315122	END BRACKET	1	
8	A6315000803	ARMATURE ASSY.	1	
9	W8541315412	END BRACKET	1	
10	W8541350013	FIELD ASSY. EXCITER	1	
11	D2155300003	SPACER	1	
12	011606025	HEX. HEAD BOLT	4.....	REPLACES P/N 0017106025
13	0017105035	HEX. HEAD BOLT	4	
14	1961324003	GROMMET	1	
15	D2131500204	SET BOLT	4	
16	0040010000	WASHER, LOCK	4	
17	031110160	WASHER, FLAT	4.....	REPLACES P/N 0041210000
18	W8541331103	COVER	1	
19	0011305100	HEX. HEAD BOLT	4.....	REPLACES P/N 0017105012
20	0012308020	HEX. HEAD BOLT	6	
21	7085419004	RUBBER SUSPENSION	2	
22	021112140	HEX. NUT	2.....	REPLACES P/N 0207010000
23	A6132300004	COVER	1	
24	0340406040	HEX. HEAD BOLT	1	
24A	020106050	HEX. NUT	1.....	REPLACES P/N 0037906000
24B	952404470	WASHER, FLAT	1.....	REPLACES P/N 0041206000

CONTROL PANEL ASSY.



CONTROL PANEL ASSY.

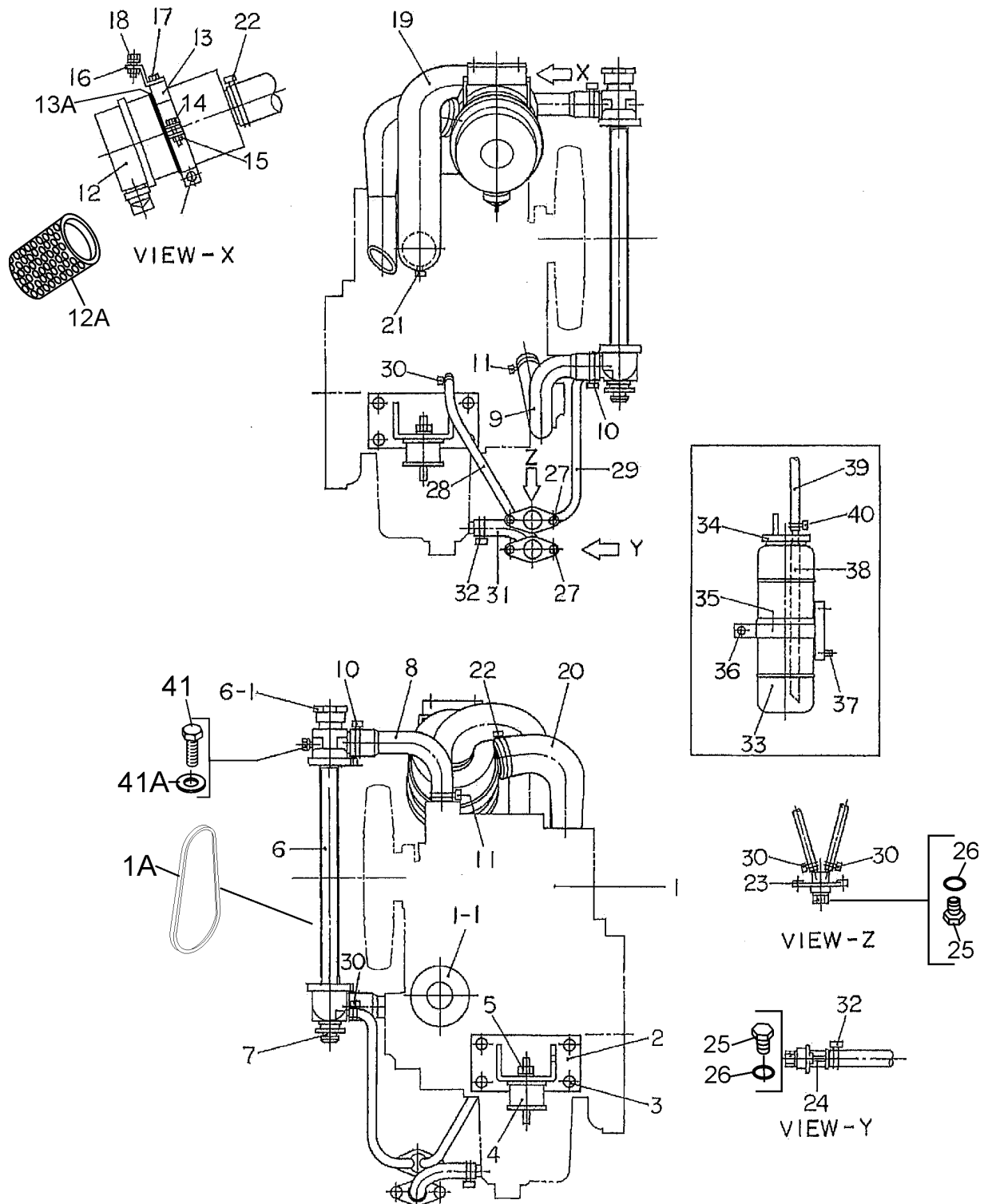
NO.	PART NO.	PART NAME	QTY.	REMARKS
1	A6511302602	CONTROL PANEL	1	
2	0021805012	MACHINE SCREW	6	
3	0601800455	FREQUENCY METER, 240V 45~65HZ	1	
4	Y0601805749	AC AMMETER, 0-30A	1	
5	0601800268	AC VOLTMETER, 0-300V	1	
6	0601840073	RHEOSTAT, VOLTAGE REG., 2W 1K OHM	1	
7	0601840100	KNOB.....	1	REPLACES P/N 0601840121
8	Y0601872601	CIRCUIT BREAKER, 3P 20 AMP	1	
9	0021004060	MACHINE SCREW	2	
9A	0040004000	WASHER, LOCK	2	
9B	58042	WASHER, FLAT	2	REPLACES P/N 0041204000
10	0601808803	CIRCUIT BREAKER, 1P 20 AMP	1	
11	Y6027404010	MACHINE SCREW	2	
11A	OEMAA8	HEX. NUT	2	REPLACES P/N 0207004000
12	0601830771	ENGINE SPEED SWITCH	1	
13	1628663602	STARTER SWITCH	1	REPLACES P/N 0602100077
14	0601810523	INDICATOR ASSY.	1	
14A	0601810830	BULB	4	
15	0601800682	HOUR METER	1	
16	0027403010	MACHINE SCREW	2	
16A	0207003000	HEX. NUT	2	
17	0601814013	RECEPTACLE	1	
18	0027104015	MACHINE SCREW	2	
18A	OEMAA8	HEX. NUT	2	REPLACES P/N 0207004000
19	A6231700004	SET BOARD, OUTPUT TERMINAL	1	
20	7811861004	OUTPUT TERMINAL	5	
21	0801830604	HEX. HEAD BOLT	5	
22	0040008000	WASHER, LOCK	15	
23	0041408000	WASHER, FLAT	10	
24	0401450080	WASHER, FLAT	5	REPLACES P/N 0041208000
25	020108060	HEX. NUT	5	REPLACES P/N 0039508000
26	020108060	HEX. NUT	5	REPLACES P/N 0030008000
27	A6234500004	RUBBER SEAL	1	
28	011606025	HEX. HEAD BOLT	4	REPLACES P/N 0017106025
29	A6237100604	COVER, OUTPUT TERMINAL	1	
29A	A6237400304	RUBBER SHEET	1	
30	0821800014	COLLAR.....	2	REPLACES P/N W0821800014
31	D9311200004	RUBBER WASHER	2	
32	011206020	HEX. HEAD BOLT	1	REPLACES P/N 0016906020
33	011206020	HEX. HEAD BOLT	1	REPLACES P/N 0016906020
33A	Y0207606000	HEX. NUT	1	
34	011106015	HEX. HEAD BOLT	2	REPLACES P/N 0016906015



ELECTRIC PARTS ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	A6261500803	BRACKET, ELECTRIC PARTS	1	
2	011106015	HEX. HEAD BOLT	4	REPLACES P/N 0017106015
3	0601842347	RESISTOR, 20W 30 OHM	1	
4	0027104012	MACHINE SCREW	2	
5	0601823204	RECTIFIER	1	
6	0027103020	MACHINE SCREW	1	
7	B0352500104	FUSE BOX	1	
7A	0601806642	FUSE, 5A	4	
7B	0601806643	FUSE, 15A	2	
7C	0601806644	FUSE, 30A	2	
8	0027105020	MACHINE SCREW	2	
9	0601815759	TERMINAL BOARD	1	
9A	W8540613504	DECAL	1	
10	0027104020	MACHINE SCREW	2	
11	1569465990	TIMER.....	1	REPLACES P/N 0602201273
12	0027105015	MACHINE SCREW	1	
13	1747260604	EMERGENCY UNIT	1	REPLACES P/N 0602200475
14	0027105025	MACHINE SCREW	4	
15	0601806640	FUSE, 65A	2	
16	A6261500903	BRACKET, ELECTRIC PARTS	1	
17	011106015	HEX. HEAD BOLT	2	REPLACES P/N 0017106015
18	0601820660	AUTOMATIC VOLTAGE REGULATOR	1	
19	0027105015	MACHINE SCREW	4	
20	0601815779	TERMINAL BOARD	1	
20A	W8540613604	DECAL	1	
21	0027104020	MACHINE SCREW	2	
22	1584464600	REGULATOR	1	REPLACES P/N 0602201378
23	0017106035	HEX. HEAD BOLT	2	
24	0601823857	SLOW DOWN	1	
25	0027105015	MACHINE SCREW	2	
26	W1992639003	SOLENOID ASSY.	1	INCLUDES ITEMS W/%
26A%	1622636103Z	ROTARY SOLENOID	1	REPLACES P/N 1620150404
27%	1992636004	ARM, SOLENOID	1	
28%	0050403020	SPRING PIN	1	
29%	011606025	HEX. HEAD BOLT	1	REPLACES P/N 0010106025
29A%	020106050	HEX. NUT	1	REPLACES P/N 0030006000
30	0023706000	HEX. NUT	2	REPLACES P/N 0207206000
31	A6355300304	GOVERNOR ROD	1	
32	031108160	WASHER, FLAT	1	REPLACES P/N 0041608000
33	0605010503	SNAP PIN	1	
34	0042806000	WASHER, FLAT	1	
35	505015300	SNAP PIN	1	REPLACES P/N 0605010502
36	0010108050	HEX HEAD BOLT	1	
36A	020108060	HEX. NUT	1	REPLACES P/N 0207008000
37	A6261700604	COVER	1	

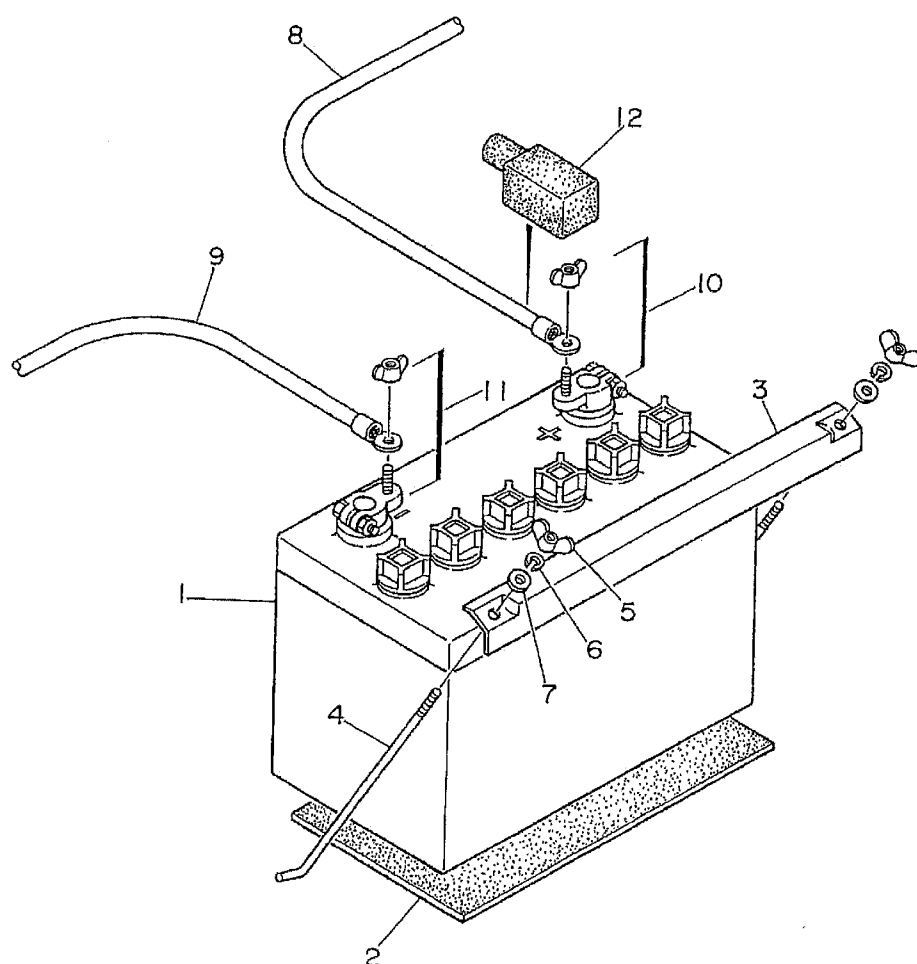
ENGINE AND RADIATOR ASSY.



ENGINE AND RADIATOR ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	A6924200084	ENGINE, KUBOTA Z482-E4B	1	
1-1	1585332435	CARTRIDGE, OIL FILTER	1	REPLACES P/N 0602041273
1A	1980572531	FAN BELT	1	REPLACES P/N 0602011477
2	8745112003A	ENGINE FOOT	2	REPLACES P/N 8745112003
3	Y0341110020	HEX. HEAD BOLT	8	
4	7085419004	RUBBER SUSPENSION	2	
5	021112140	HEX. NUT	2	REPLACES P/N 0207010000
6	0602012795	RADIATOR	1	
6-1	0602011079	CAP, RADIATOR	1	
7	B1312600004	MOUNT RUBBER	2	
8	A6311500004	RADIATOR HOSE	1	
9	A6311500103	RADIATOR HOSE	1	
10	0605515134	HOSE BAND	2	
11	0605515159	HOSE BAND	2	
12	1556211010	AIR CLEANER	1	REPLACES P/N 0602046265
12A	7000011221	ELEMENT, AIR CLEANER	1	REPLACES P/N 0602046374
13	3415013960	BAND, AIR CLEANER	1	REPLACES P/N 0602040575
13A	0222600340	RUBBER CUSHION	1	
14	011208030	HEX. HEAD BOLT	1	REPLACES P/N 0016908030
15	020108060	HEX. NUT	1	REPLACES P/N 0207008000
16	A6374200204	BRACKET, AIR CLEANER	1	
17	011008020	HEX. HEAD BOLT	2	REPLACES P/N 0016908020
18	011106015	HEX. HEAD BOLT	2	REPLACES P/N 0016906015
19	8742032003A	HOSE, AIR CLEANER	1	REPLACES P/N 8742032003
20	1612036203	HOSE, AIR CLEANER	1	
21	0605515006	HOSE BAND	1	
22	Y0605515115	HOSE BAND	2	
23	1622014103	DRAIN JOINT, WATER	1	
24	1502025103C	DRAIN JOINT, OIL	1	REPLACES P/N 1502025103
25	0802011104	PLUG	2	
26	0150000018	O-RING	2	
27	011106015	HEX. HEAD BOLT	4	REPLACES P/N 0016906015
28	0199900500	DRAIN HOSE	1	
29	0199900500	DRAIN HOSE	1	
30	0605515094	HOSE BAND	4	
31	A5321100204	DRAIN HOSE	1	
32	0605515132	HOSE BAND	2	
33	0802081403	RESERVE TANK	1	
34	0802081104	CAP, RESERVE TANK	1	
35	W1622082004	BRACKET, RESERVE TANK	1	
36	011606025	HEX. HEAD BOLT	1	REPLACES P/N 0016906025
37	011106015	HEX. HEAD BOLT	2	REPLACES P/N 0016906015
38	0199100215	HOSE	1	
39	0199900420	HOSE	1	
40	0605515094	HOSE BAND	2	
41	Y0016906035	HEX. HEAD BOLT	2	
41A	Y0047006020	WASHER	2	

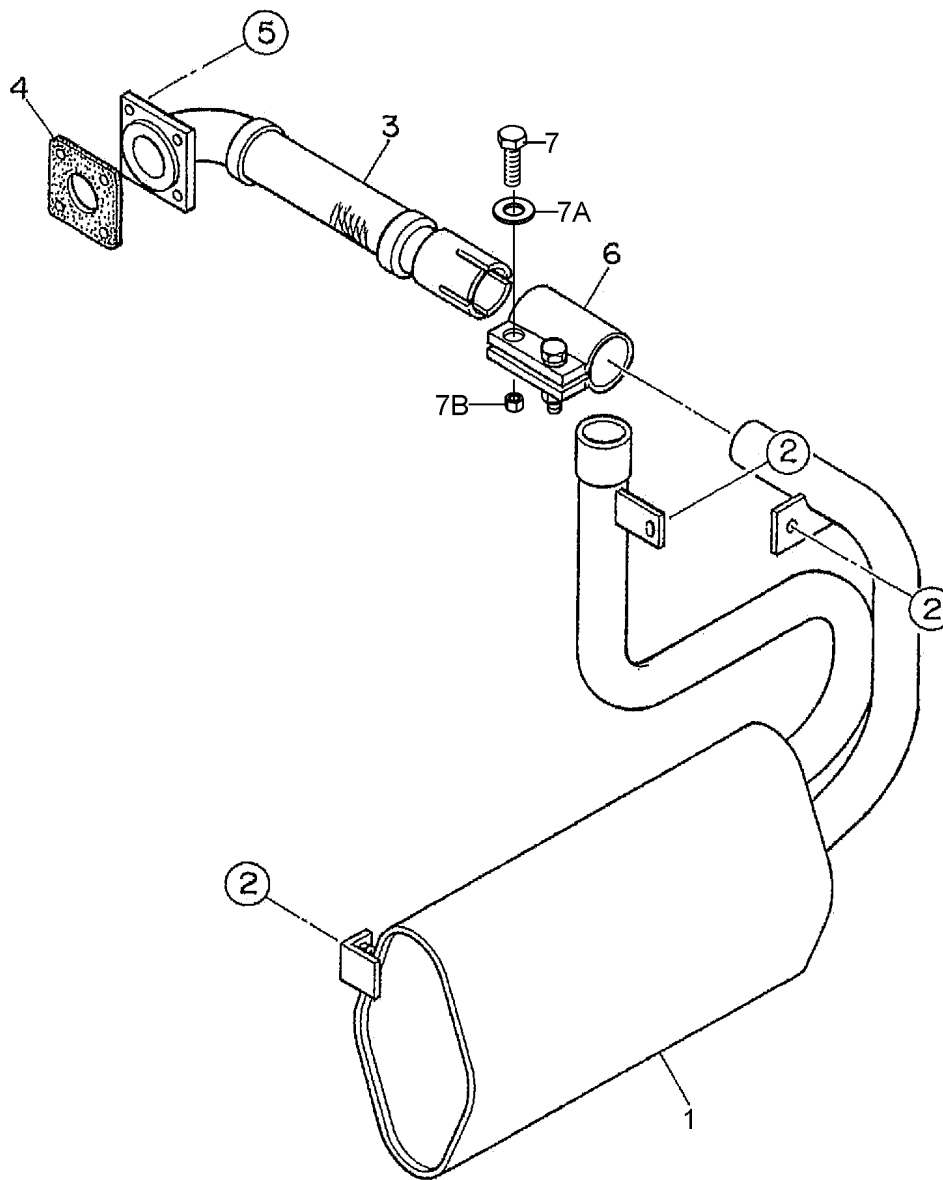
BATTERY ASSY.



BATTERY ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	Y0165103820	BATTERY	1	
2	0805081004	BATTERY SHEET	1.....	REPLACES P/N 1702202104
3	W1702204104	BATTERY BAND	1	
4	0805082704	BATTERY BOLT	2	
5	0037806000	WING NUT	2	
6	0040006000	WASHER, LOCK	2	
7	952404470	WASHER, FLAT	2.....	REPLACES P/N 0041606000
8		BATTERY CABLE	1.....	PURCHASE LOCALLY
9		BATTERY CABLE	1.....	PURCHASE LOCALLY
10	0602220312	TERMINAL ASSY., POSITIVE	1	
11	0602220313	TERMINAL ASSY., NEGATIVE	1	
12	0845040414	TERMINAL CAP	1.....	REPLACES P/N 0602220600

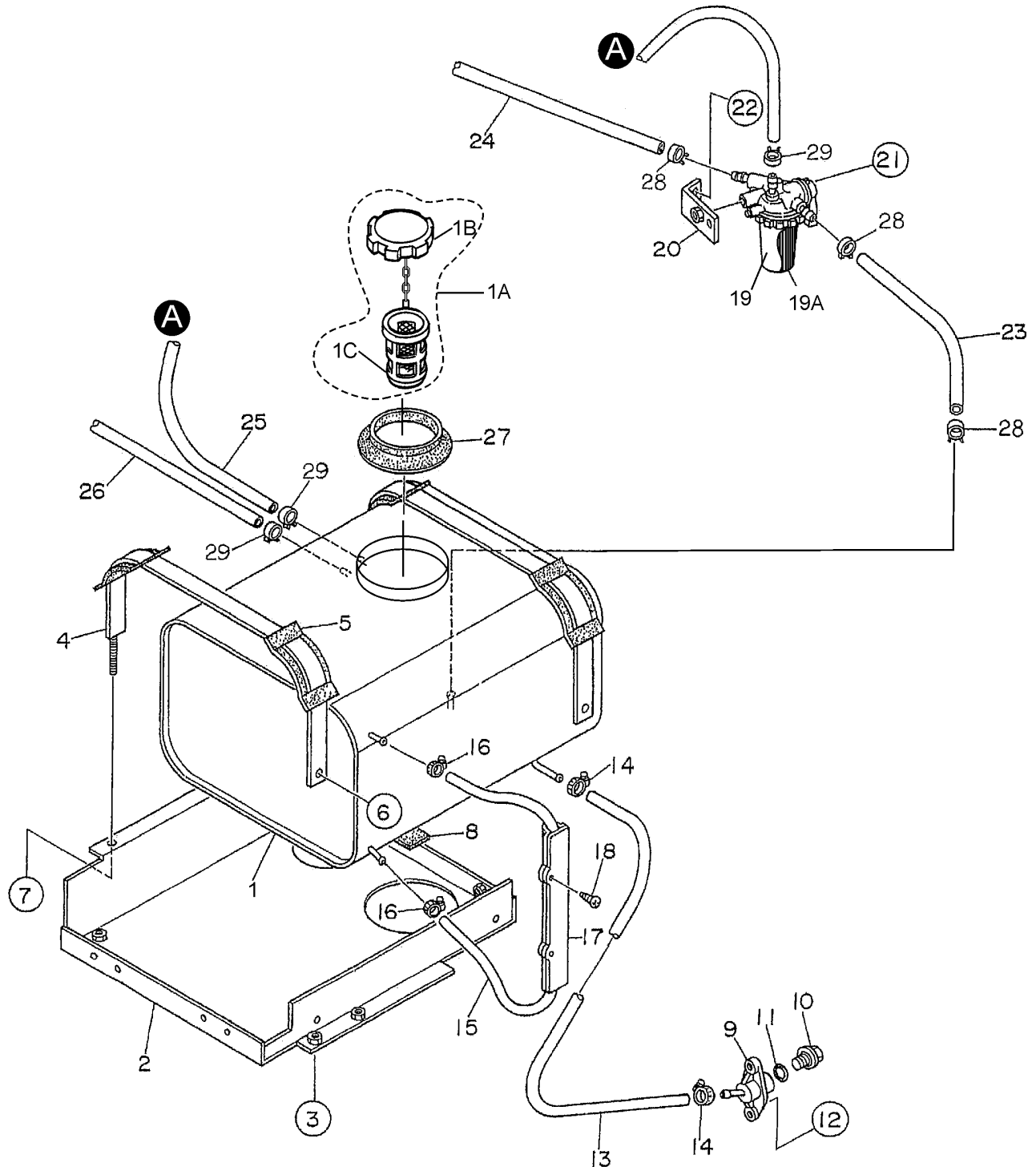
MUFFLER ASSY.



MUFFLER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A6331000003	MUFFLER	1	
2	011008020	HEX. HEAD BOLT	5.....	REPLACES P/N 0016908020
3	A6334000003	EXHAUST PIPE	1	
4	1526312371	GASKET	1.....	REPLACES P/N 0602320153
5	Y0207008000	HEX. NUT	4	
6	0602325094	PIPE BAND	1	
7	0341510040	HEX. HEAD BOLT	2	
7A	0042410000	WASHER, FLAT	2	
7B	0207110000	NUT	2	

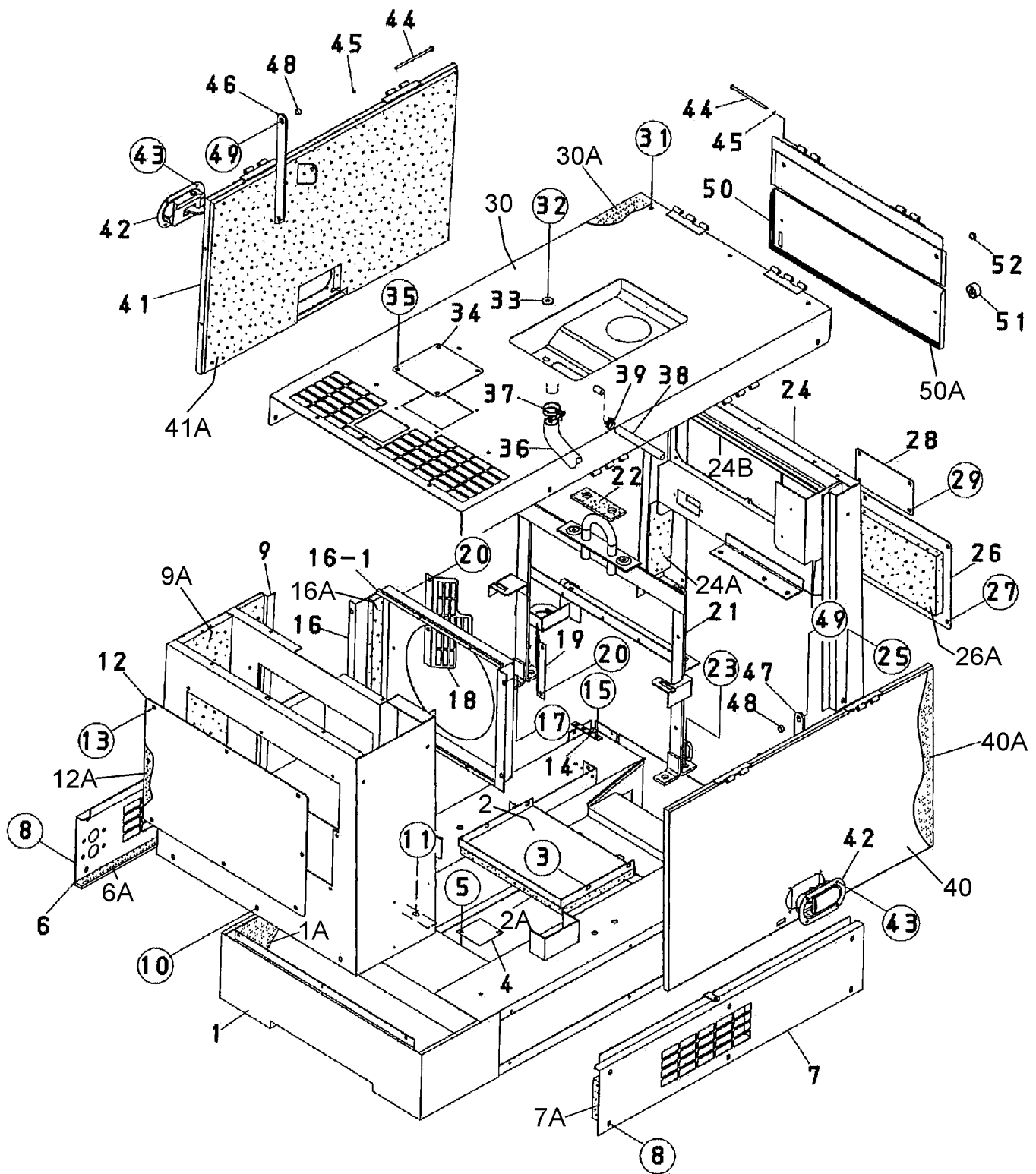
FUEL TANK ASSY.



FUEL TANK ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A6364000303	FUEL TANK	1	
1A	A9924800024	CAP, FUEL TANK ASSY.....	1	INCLUDES ITEMS W/#
1B#	0810105800	CAP, FUEL TANK	1	
1C#	0810105900	FUEL STRAINER	1	
2	A6364300003	BRACKET, FUEL TANK	1	
3	011008020	HEX. HEAD BOLT.....	4	REPLACES P/N 0016908020
4	W8545512004	TANK BAND	2	
5	D6365300504	PAD, TANK BAND	4	
6	0016906012	HEX. HEAD BOLT	2	
7	0207308000	HEX. NUT	2	
8	Y0222100310	TANK SHEET	2	
9	7812014003	DRAIN JOINT	1	
10	0802011104	PLUG	1	
11	0150000018	O-RING	1	
12	011106015	HEX. HEAD BOLT.....	2	REPLACES P/N 0016906015
13	Y0370600650	DRAIN HOSE	1	
14	Y06D5515094	HOSE BAND	2	
15	Y0264200550	HOSE, FUEL GAUGE	1	
16	0605515200	HOSE BAND	2	
17	7815511203	BRACKET, FUEL GAUGE	1	
18	Y0029804012	MACHINE SCREW	2	
19	1575143010	FUEL FILTER.....	1	REPLACES P/N 0602042097
19A	1T02143560	ELEMENT, FUEL FILTER	1	
20	W8745515004	BRACKET, FUEL FILTER	1	
21	0017108065	HEX. HEAD BOLT	1	
22	011008020	HEX. HEAD BOLT.....	1	REPLACES P/N 0017108020
23	096618018	SUCTION HOSE.....	1	REPLACES P/N 0605513116
24	0966180400	SUCTION HOSE.....	1	REPLACES P/N 0605513101
25	Y0605514039	RETURN HOSE	1	
26	Y0605514100	RETURN HOSE	1	
27	B9312400004	RUBBER SEAL	1	

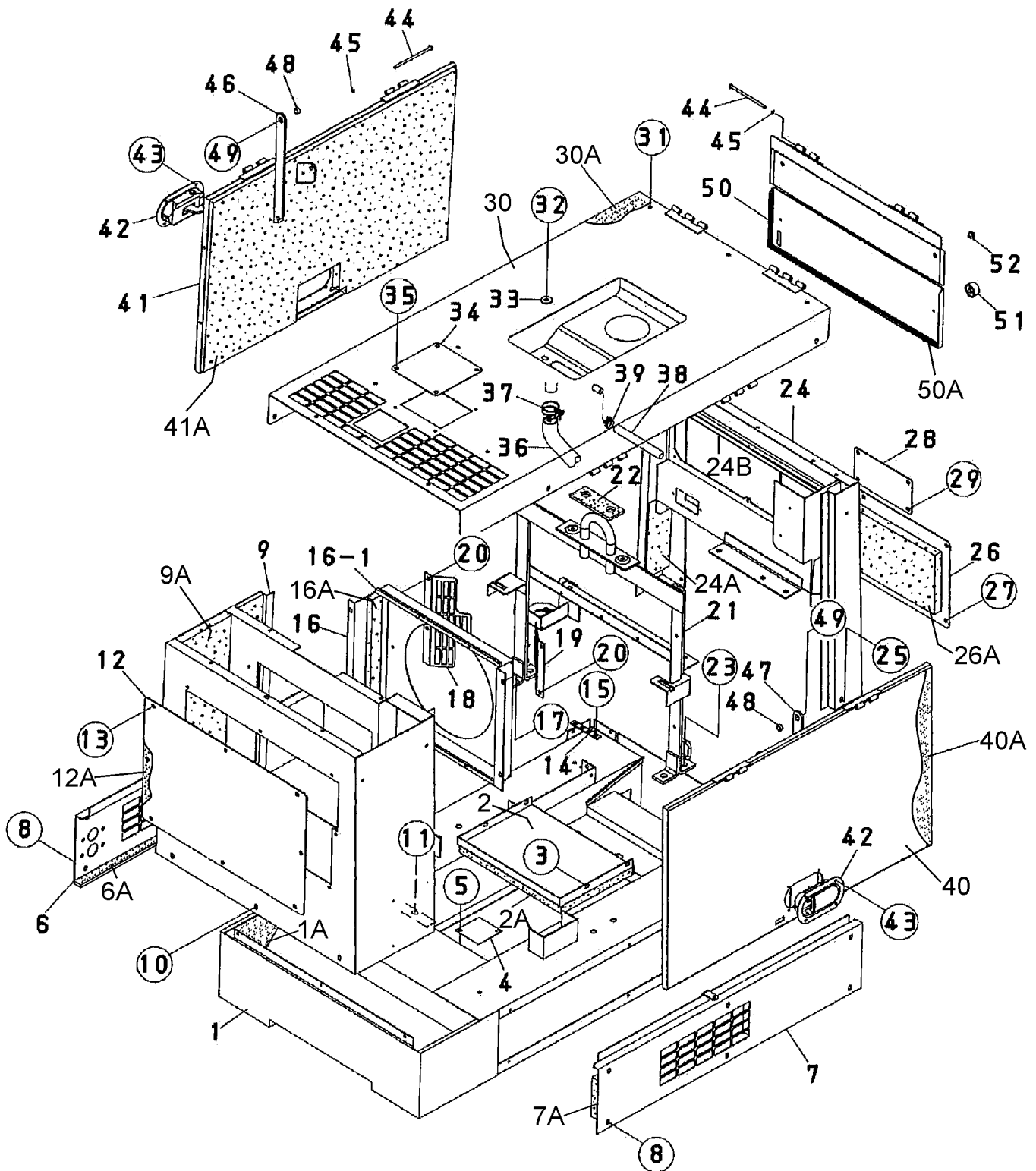
ENCLOSURE ASSY.



ENCLOSURE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A6414000802	BASE	1	
1A	A6494000103	LINING	1	
2	A6414600004	DUCT	1	
2A	A6494000304	LINING	1	
3	011106015	HEX. HEAD BOLT	4	REPLACES P/N 0016906015
4	D3414800104	COVER	1	
5	011106015	HEX. HEAD BOLT	2	REPLACES P/N 0016906015
6	A6454200403	SPLASHER PANEL	1	
6A	A6494000204	LINING	1	
7	A6454200503	SPLASHER PANEL	1	
7A	A6494000204	LINING	1	
8	011106015	HEX. HEAD BOLT	12	REPLACES P/N 0016906015
9	A6424000702	FRONT FRAME	1	
9A	A6494100603	LINING	1	
10	011106015	HEX. HEAD BOLT	3	REPLACES P/N 0016906015
11	011008020	HEX. HEAD BOLT	2	REPLACES P/N 0017108020
12	A6424200004	FRONT COVER	1	
12A	A6494100204	LINING	1	
13	011206020	HEX. HEAD BOLT	1	REPLACES P/N 0016906020
14	B1262800004A	PLATE	1	REPLACES P/N B1262800004
15	011106015	HEX. HEAD BOLT	4	REPLACES P/N 0017106015
16	A6311300303	FAN SHROUD	1	
16A	A6494100304	LINING	1	
16-1	Y0315600375	RUBBER SEAL	2	
17	011106015	HEX. HEAD BOLT	4	REPLACES P/N 0016906015
18	A6311200303	FAN GUARD	1	
19	A6311200403	FAN GUARD	1	
20	011106015	HEX. HEAD BOLT		REPLACES P/N 0016906015
21	A6434300102	HANGER	1	
22	7835132314A	RUBBER SEAL	1	REPLACES P/N 7835132314
23	0012312030	HEX. HEAD BOLT	4	
24	A6444001402	REAR FRAME	1	
24A	A6494301204	LINING	1	
24B	Y0315600375	RUBBER SEAL	1	
25	011106015	HEX. HEAD BOLT	2	REPLACES P/N 0016906015
26	A6444301304	COVER, REAR FRAME	1	
26A	A6494301104	LINING	1	
27	011106015	HEX. HEAD BOLT	6	REPLACES P/N 0016906015
28	A6444800104	COVER	1	
29	011106015	HEX. HEAD BOLT	4	REPLACES P/N 0016906015
30	A6464000602	ROOF PANEL	1	
30A	A6494500304	LINING	1	
31	011106015	HEX. HEAD BOLT	12	REPLACES P/N 0016906015
32	Y0340608020	HEX. HEAD BOLT	2	
33	0801086004	SET WASHER	2	
34	D4425200804	FILLER COVER	1	
35	011106015	HEX. HEAD BOLT	4	REPLACES P/N 0016906015

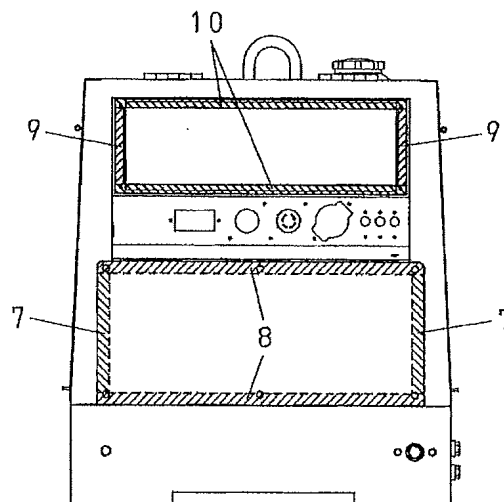
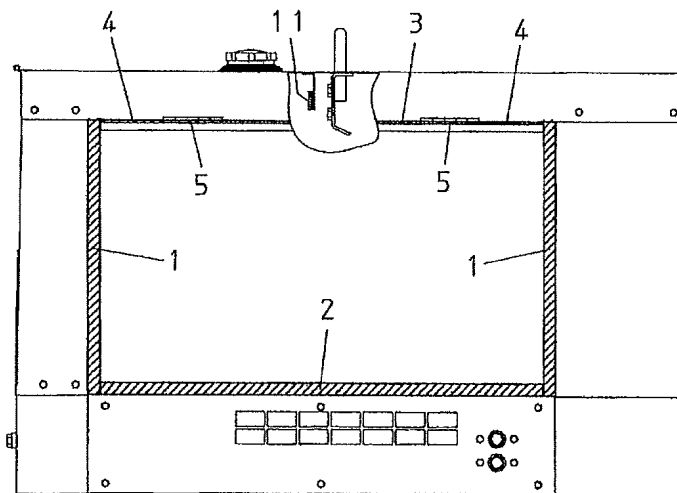
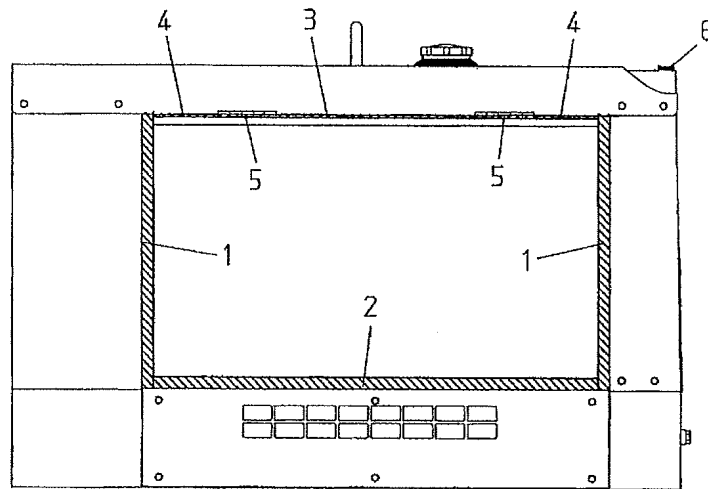
ENCLOSURE ASSY. CONTINUED



ENCLOSURE ASSY. CONTINUED

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
36	A6464500803	HOSE	1	
37	0605515159	HOSE BAND	1	
38	Y0264500710	HOSE	1	
39	Y0605515169	HOSE BAND	1	
40	A6454000203	SIDE DOOR	1	
40A	A6494400504	LINING	1	
41	A6454000303	SIDE DOOR	1	
41A	A6494400504	LINING	1	
42	0605010215	DOOR HANDLE	2	
43	0021805012	MACHINE SCREW	8	
44	0810014704	PIN	6	
45	0080200004	SNAP RING	6	
46	1995186004	DOOR STAY	1	
47	A9114300004	DOOR STAY	1	
48	7835088004	COLLAR	2	
49	011208025	HEX. HEAD BOLT	2	REPLACES P/N 0016908025
50	A6444200103	REAR DOOR	1	
50A	Y0226900505	RUBBER SEAL	1	
51	0601851613	STOPPER	2	
52	0601851660	STOPPER	2	

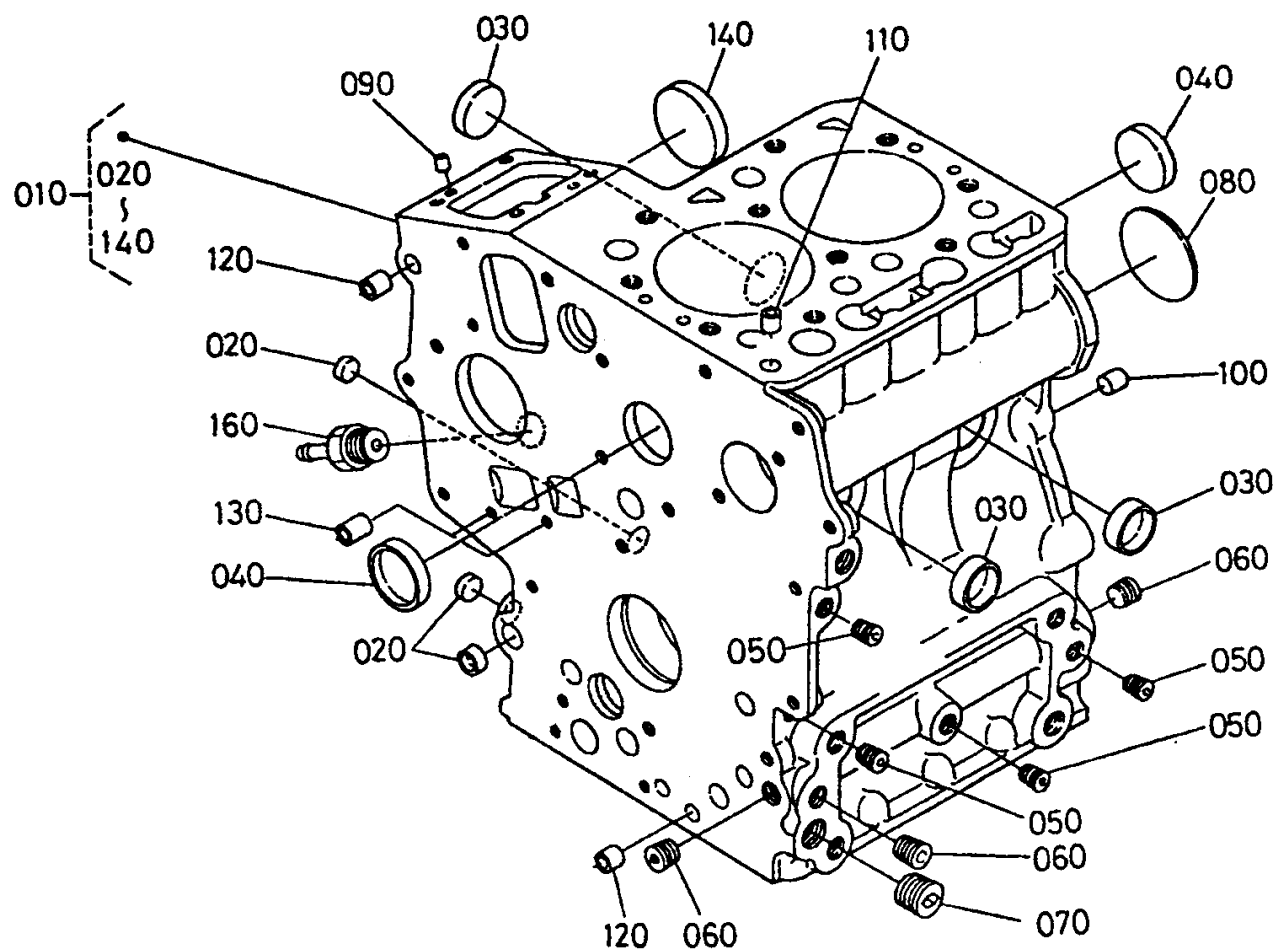
RUBBER SEALS ASSY.



RUBBER SEALS ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	Y0221200320	RUBBER SEAL	1	
2	0222600100	RUBBER SEAL	4	
3	0221200110	RUBBER SEAL	2	
4	0221200740	RUBBER SEAL	1	
5	Y0221200445	RUBBER SEAL	4	
6	Y0221200288	RUBBER SEAL	1	
7	0221200150	RUBBER SEAL	2	
8	Y0221200788	RUBBER SEAL	1	
9	Y0314900580	RUBBER SEAL	1	
10	Y0314900495	RUBBER SEAL	2	
11	Y0314900160	RUBBER SEAL	2	
12	Y0314900035	RUBBER SEAL	2	
13	Y0314900165	RUBBER SEAL	2	

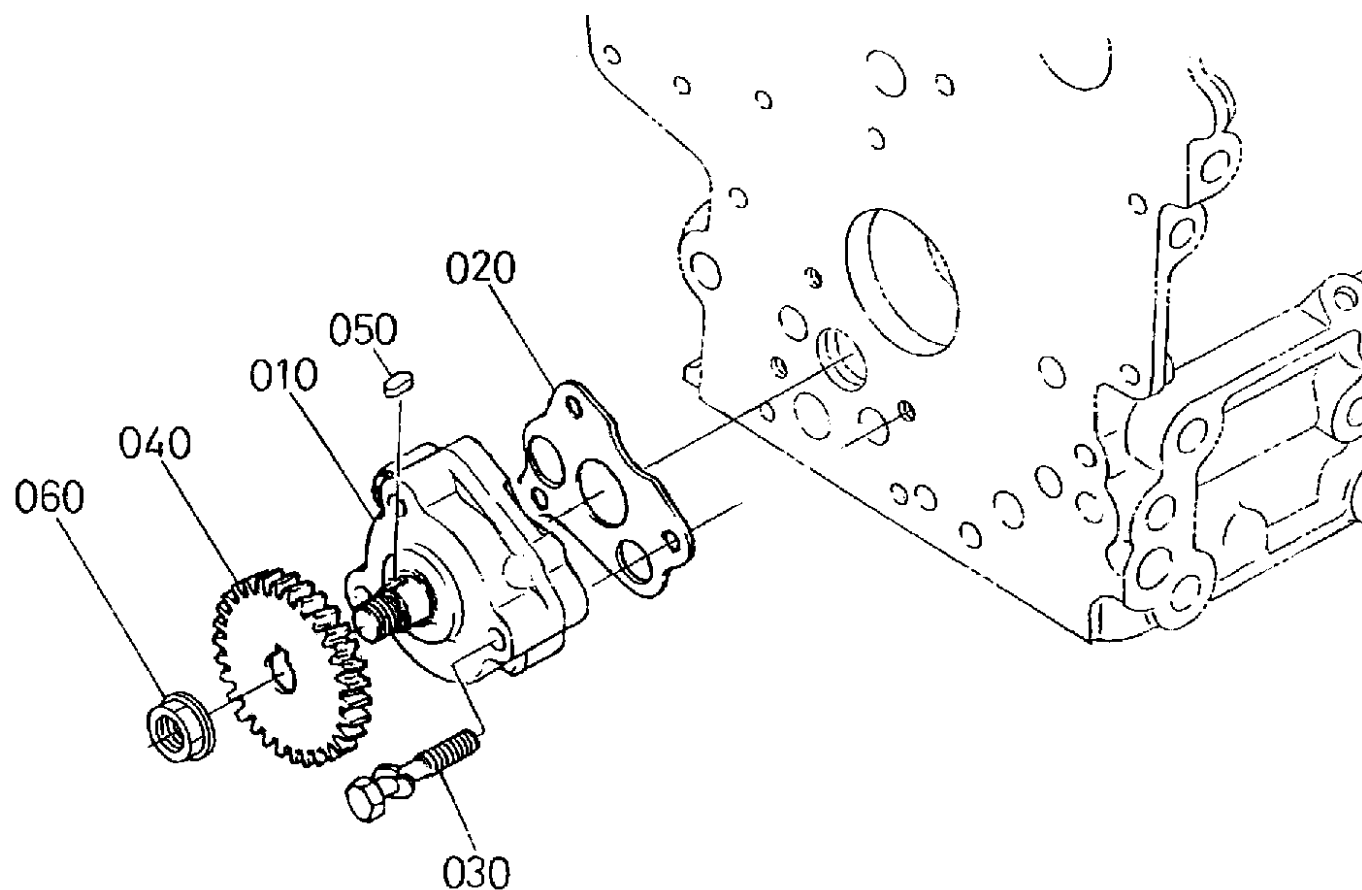
KUBOTA Z482-E4B ENGINE — CRANKCASE ASSY.



KUBOTA Z482-E4B ENGINE — CRANKCASE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1J09001020	COMP. CRANKCASE.....	1.....	INCLUDES ITEMS W/\$
020\$	1685196260	CAP, SEALING	3	
030\$	1685196270	CAP, SEALING	3	
040\$	1545196270	CAP, SEALING	2	
050\$	1526196010	PLUG	4	
060\$	1552196020	PLUG	3	
070\$	1552196030	PLUG	1	
080\$	1526196160	PLUG, CONCAVE	1	
090\$	0501200508	PIN, STRAIGHT	2	
100\$	0501200814	PIN, STRAIGHT	2	
110\$	1522133650	PIN, PIPE	1	
120\$	1733159190	PIN, PIPE	2	
130\$	1733159190	PIN, PIPE	2	
140\$	1685116212	COVER, FUEL CAMSHAFT	1	
160	1584773130	JOINT, DRAIN PIPE	1	

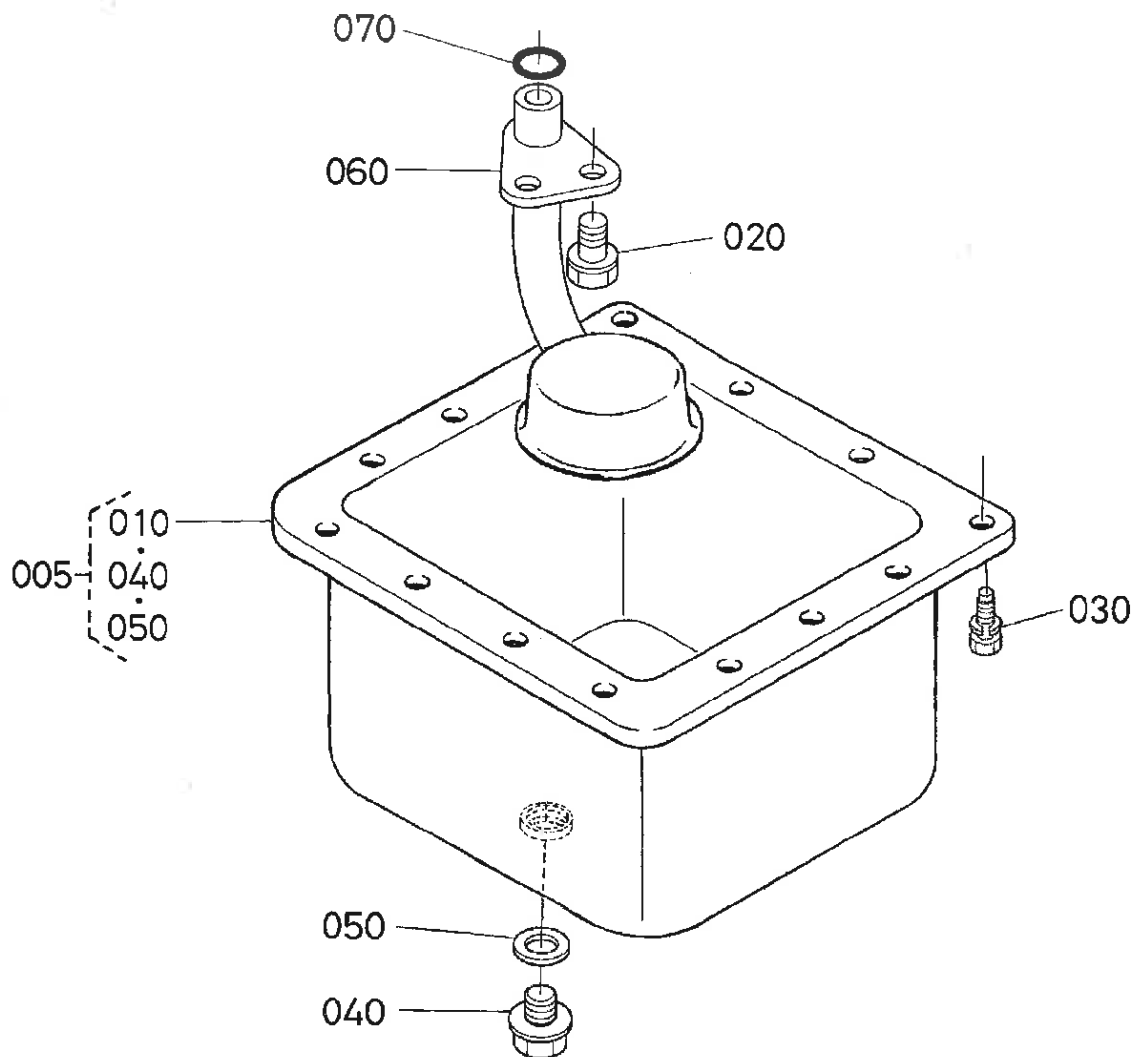
KUBOTA Z482-E4B ENGINE — OIL PUMP ASSY.



KUBOTA Z482-E4B ENGINE — OIL PUMP ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685135012	OIL PUMP ASSY.	1	
020	1685135152	GASKET, OIL PUMP NA	1	
030	1584191050	BOLT	3	
040	1584135660	GEAR, OIL PUMP DRIVE.....	1.....	S/N 4DKZ999 AND BELOW
040	1G68735660	GEAR, OIL PUMP DRIVE.....	1.....	S/N 4DL0001 AND ABOVE
050	0571200408	KEY, FEATHER	1	
060	0278350100	NUT, FLANGE	1	

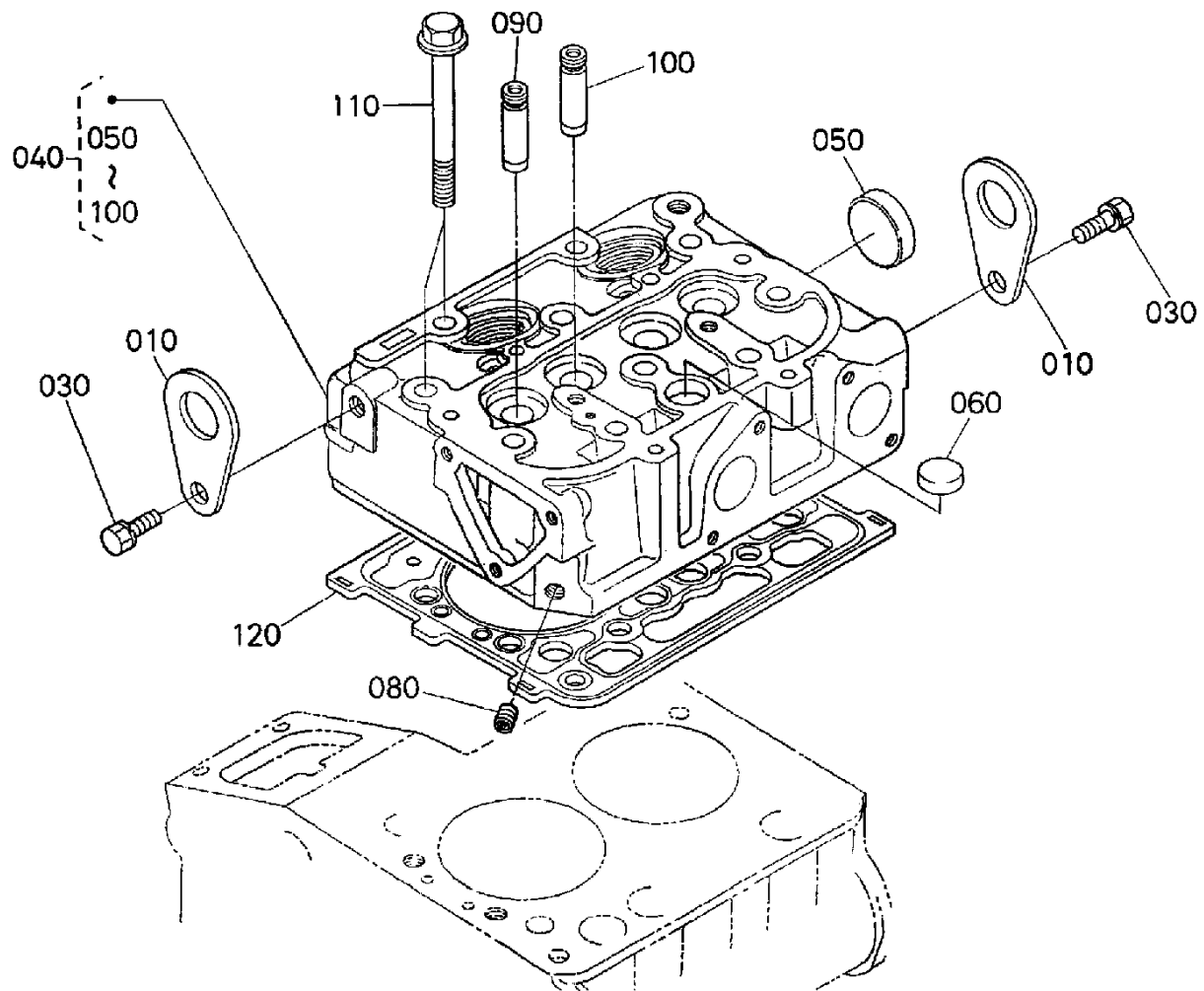
KUBOTA Z482-E4B ENGINE — OIL PAN ASSY.



KUBOTA Z482-E4B ENGINE — OIL PAN ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
005	1756101600	KIT, OIL PAN	1.....	INCLUDES ITEMS W/\$
010\$	1756101505	COMP. OIL PAN	1	
020	0112350814	BOLT, SEMS	1	
030	0102350612	BOLT, SEMS	14	
040\$	1570733750	PLUG, DRAIN	1	
050\$	1626596670	GASKET, PAN OIL	1	
060	1685132110	FILTER, OIL	1	
070	0481400160	O-RING	1	

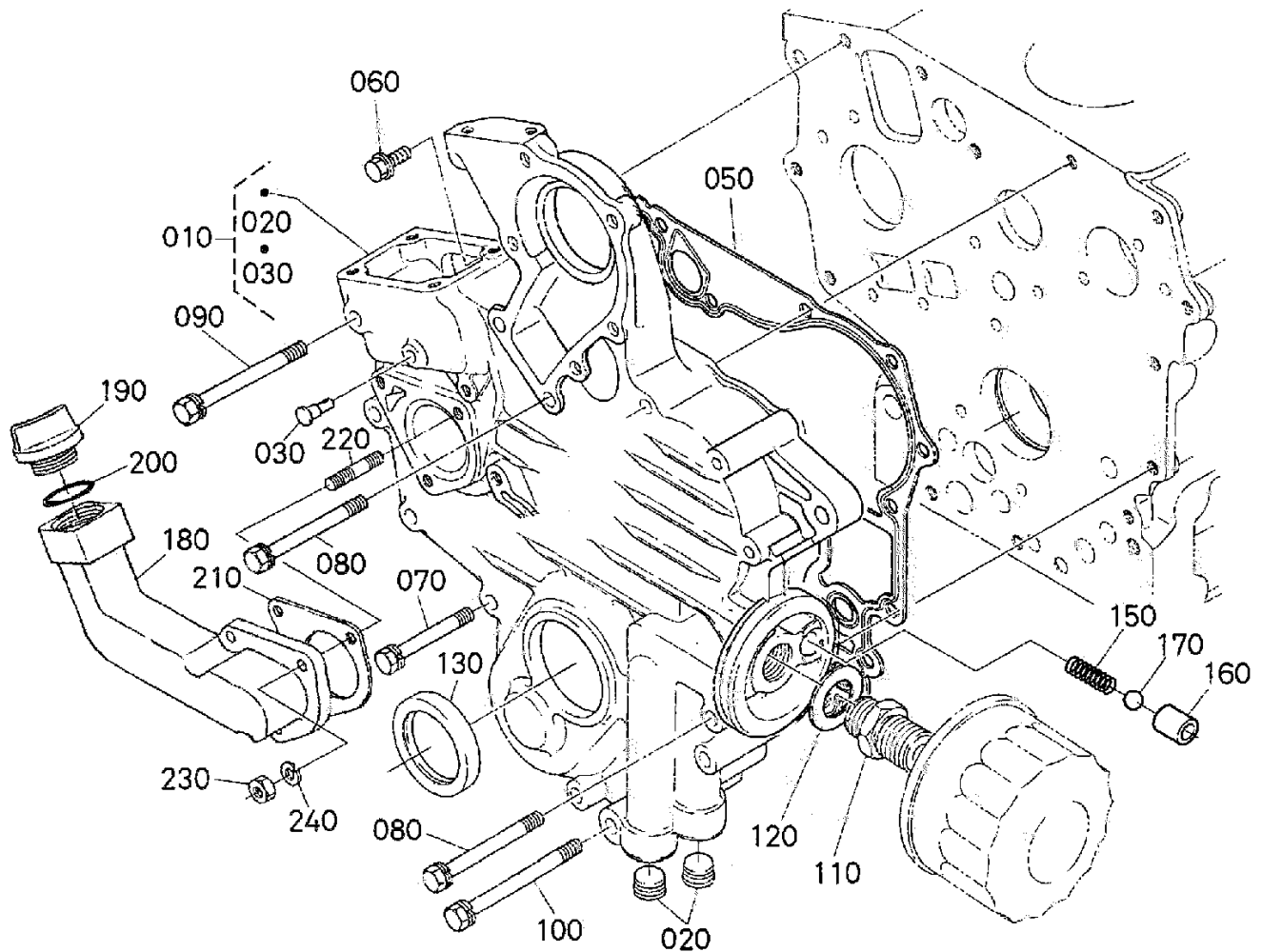
KUBOTA Z482-E4B ENGINE — CYLINDER HEAD ASSY.



KUBOTA Z482-E4B ENGINE — CYLINDER HEAD ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1522101750	HOOK, ENGINE	2	
030	0112350816	BOLT, SEMS	2	
040	1E39103040	COMP. CYLINDER HEAD	1.....	INCLUDES ITEMS W/\$
050\$	1532196260	PLUG, CUP TYPE	1	
060\$	1526103370	PLUG, CUP TYPE	1	
080\$	1526196010	PLUG	1	
090\$	1584113540	GUIDE, INLET VALVE	2	
100\$	1584113560	GUIDE, EXHAUST VALVE	2	
110	1460103450	BOLT, CYLINDER HEAD	10	
120	1J09003310	GASKET, CYLINDER HEAD	1	

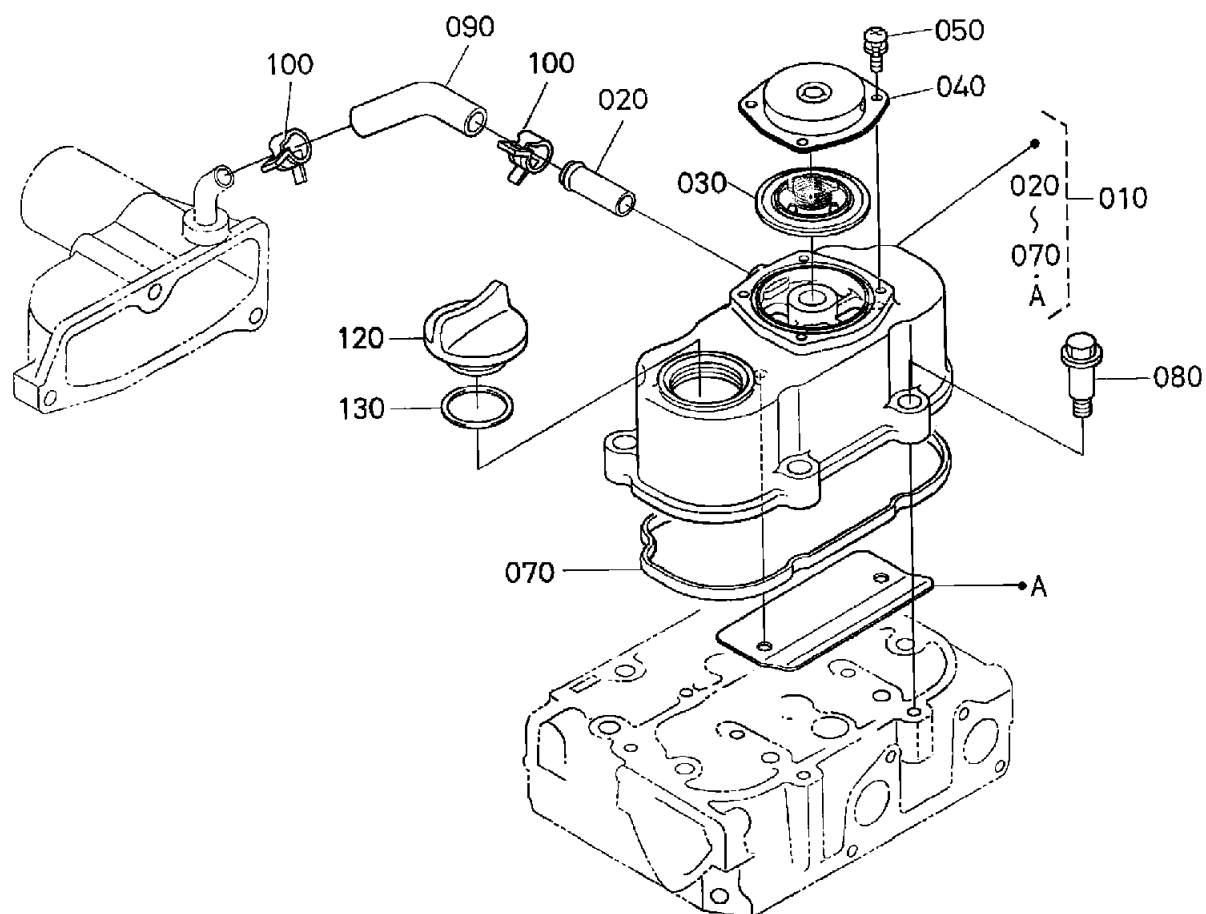
KUBOTA Z482-E4B ENGINE — GEAR CASE ASSY.



KUBOTA Z482-E4B ENGINE — GEAR CASE ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
010	1E05104024	COMP. CASE, GEAR.....	1.....	INCLUDES ITEMS W/\$
020\$	1552196030	PLUG	2	
030\$	1584156280	PIN, START SPRING	1	
050	1687104130	GASKET, GEAR CASE	1	
060	0175450616	BOLT, FLANGE	1	
070	0102350650	BOLT, SEMS	8	
080	1584191010	BOLT	5	
090	0102350670	BOLT, SEMS	1	
100	0102350675	BOLT, SEMS	1	
110	1524132290	JOINT, PIPE	1	
120	1584194010	WASHER, FLAT	1	
130	1587704140	SEAL, OIL.....	1.....	S/N 4DPZ999 AND BELOW
130	1J09404140	SEAL, OIL.....	1.....	S/N 4DQ0001 AND ABOVE
150	1685136950	SPRING	1	
160	1584136930	SEAT, VALVE	1	
170	0771503211	BALL	1	
180	1584633110	FLANGE, OIL FILLER	1	
190	1381133140	PLUG, OIL FILLER	1	
200	0481706230	O-RING	1	
210	1946188132	GASKET, H/M GEAR CASE	1	
220	1522188210	STUD	3	
230	0205650060	HEX NUT	3	
240	0451250060	WASHER, SPRING LOCK	3	

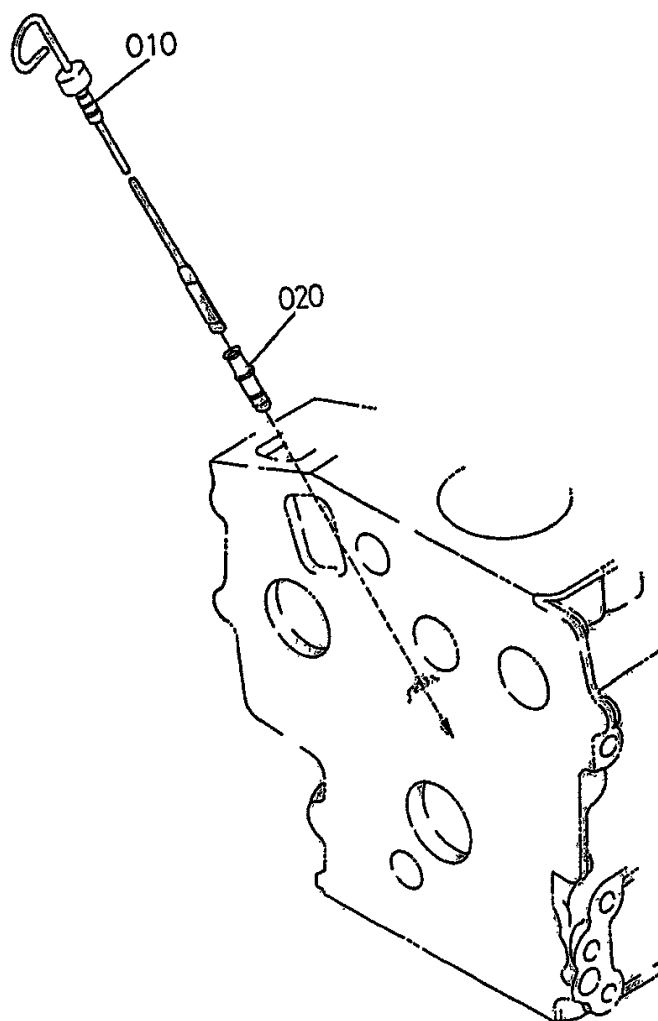
KUBOTA Z482-E4B ENGINE — HEAD COVER ASSY.



KUBOTA Z482-E4B ENGINE — HEAD COVER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1G95714504	COVER, CYLINDER HEAD ASSY.	1.....	INCLUDES ITEMS W/\$
020\$	1624173370	PIPE, WATER RETURN	1	
030\$	1G91105203	COMP. VALVE, BREATHER	1	
040\$	1G80105120	COVER, BREATHER	1	
050\$	0302450510	SCREW, SEMS PAN HEAD	4	
070\$	1G95714520	GASKET, HEAD COVER	1	
080	1G91191022	BOLT	4	
090	1G96005513	TUBE, BREATHER	1	
100	0931888125	CLAMP, HOSE	2	
120	E915133140	PLUG, OIL FILLER	1	
130	1J00196770	O-RING	1	
A\$	1G95805370	SHIELD, BREATHER	1	

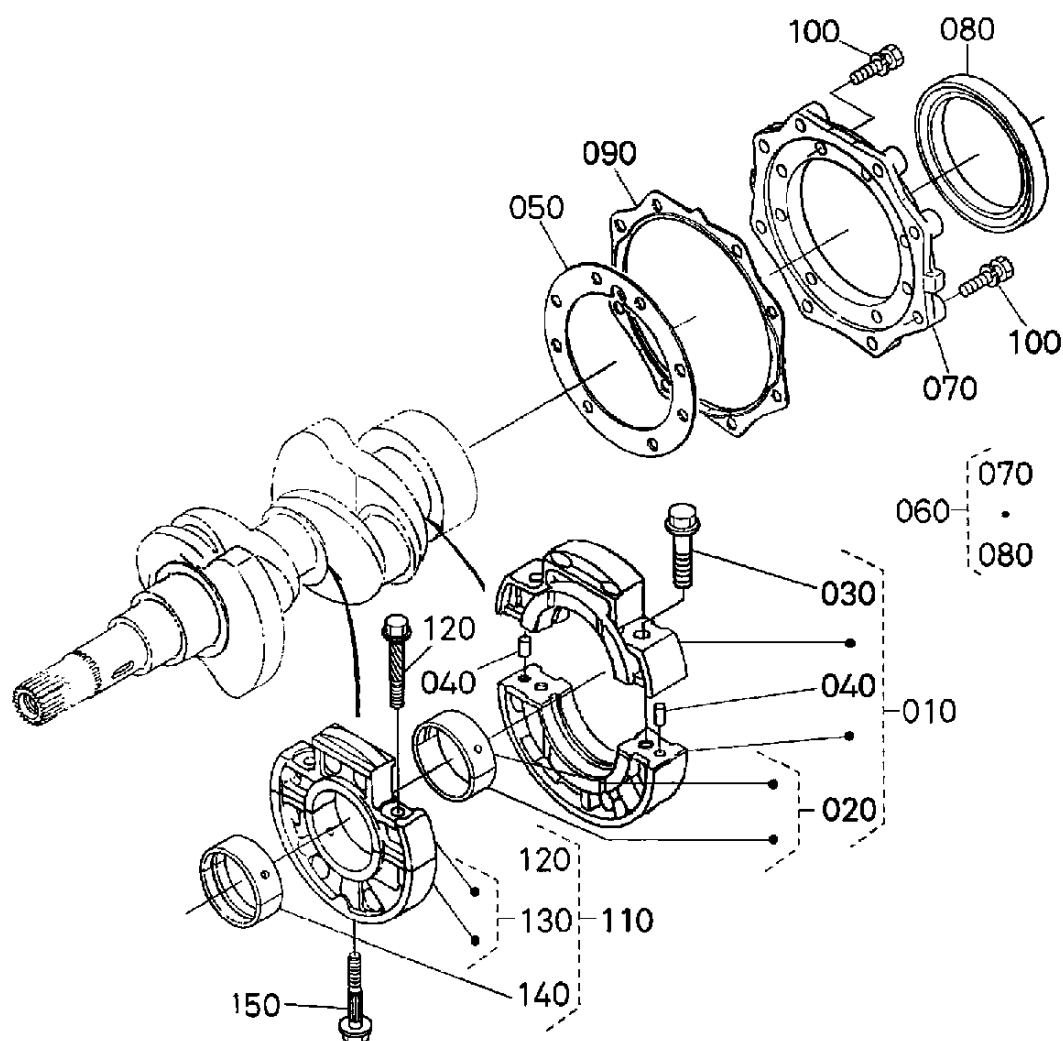
KUBOTA Z482-E4B ENGINE — DIPSTICK AND GUIDE ASSY.



KUBOTA Z482-E4B ENGINE — DIPSTICK AND GUIDE ASSY.

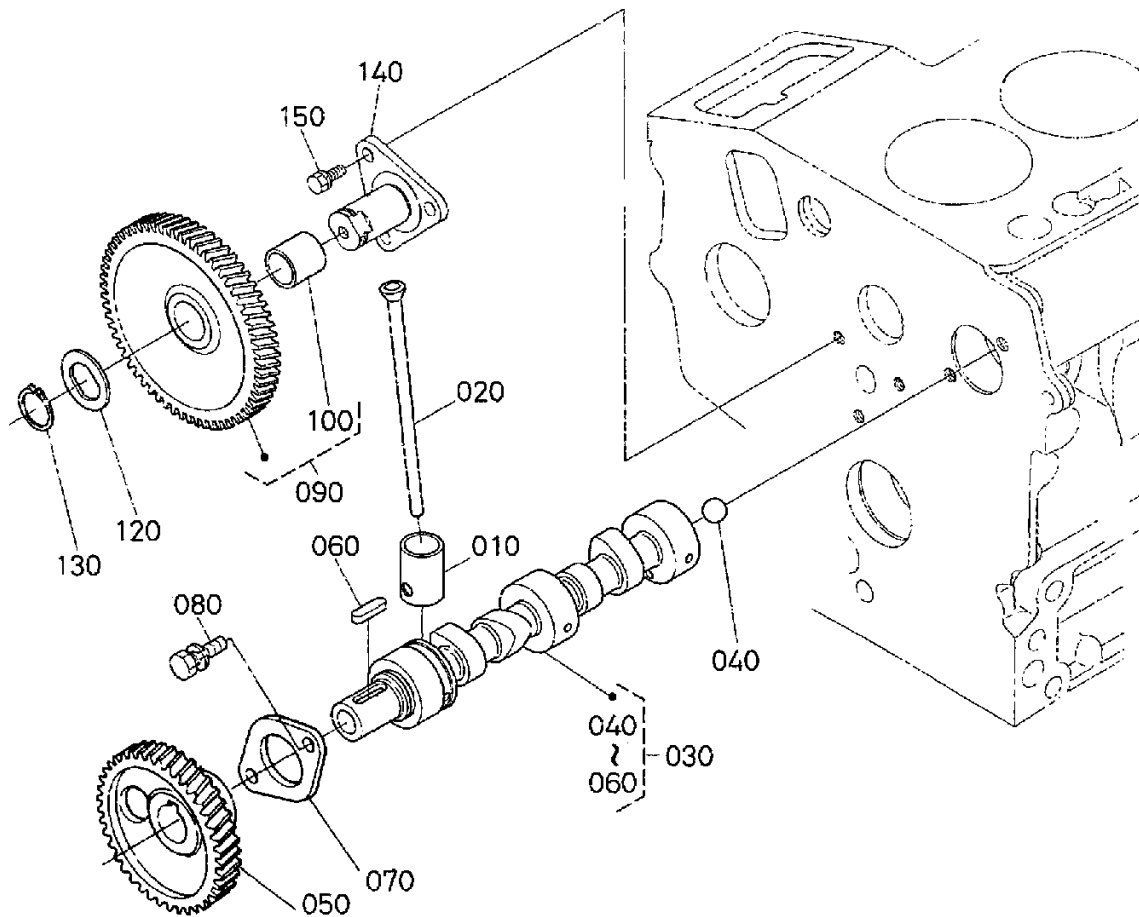
<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1G30436410	GAUGE, OIL	1	
020	1745636420	GUIDE, OIL GAUGE	1	

KUBOTA Z482-E4B ENGINE — MAIN BEARING CASE ASSY.



KUBOTA Z482-E4B ENGINE — MAIN BEARING CASE ASSY.

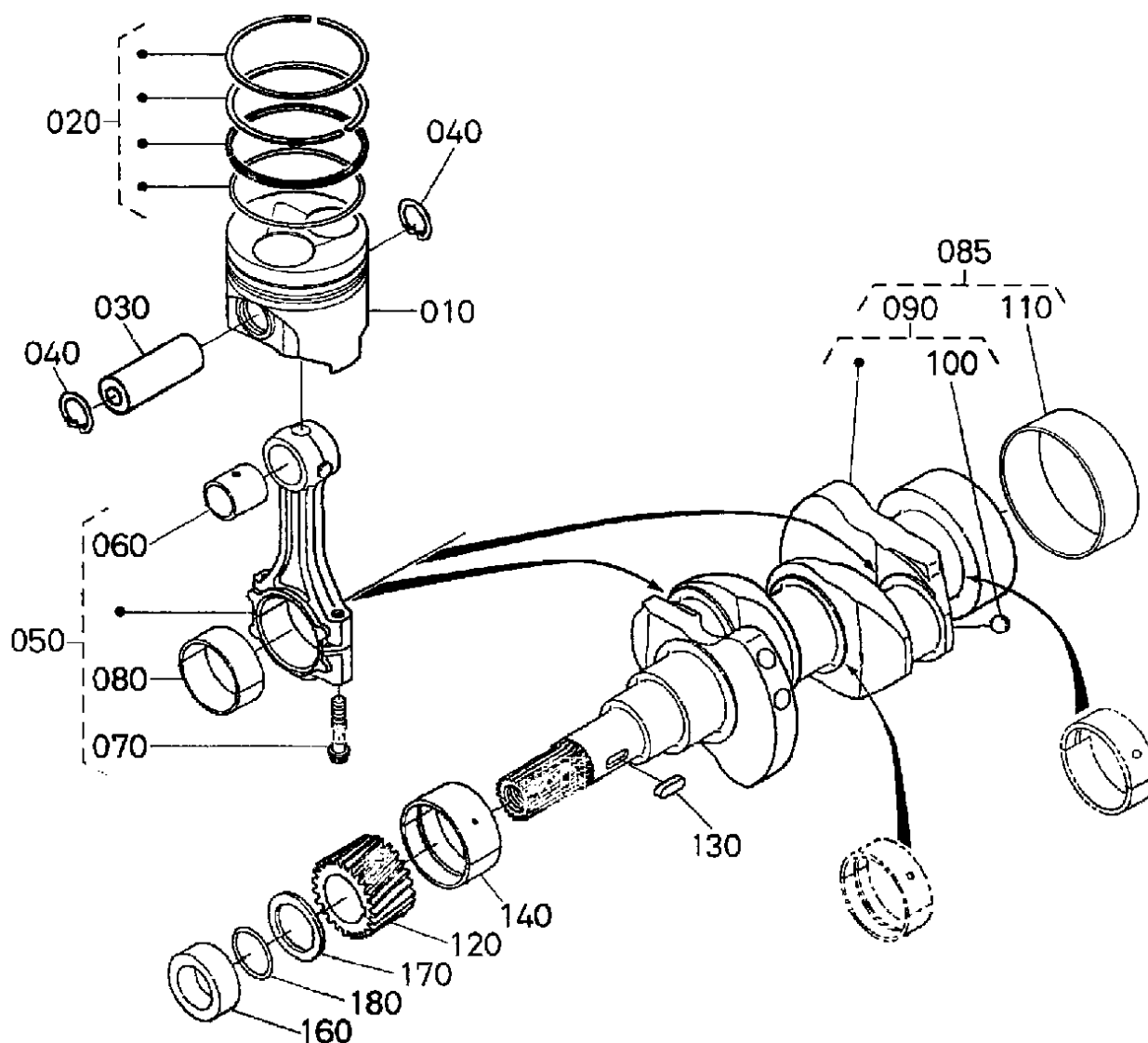
NO.	PART NO.	PART NAME	QTY.	REMARKS
010	1J00207090	CASE, WHEEL BEARING ASSY.	1.....	INCLUDES ITEMS W/\$
020\$	1569423482	METAL, CRANKSHAFT STD/SET	1	
020\$	1569423932	METAL, CRANKSHAFT, -0.20MM/SET	1	
020\$	1569423942	METAL, CRANKSHAFT, -0.40MM/SET	1	
030\$	0175450840	BOLT, FLANGE	2	
040\$	0501200608	PIN, STRAIGHT	2	
050	1585204360	GASKET, BEARING CASE	1	
060	1584104803	COVER, BEARING CASE ASSY.	1.....	INCLUDES ITEMS W/#
070#	1584104815	COVER, BEARING CASE	1	
080#	1921599160	SEAL, OIL	1	
090	1584104823	GASKET, CASE COVER	1	
100	0102350622	BOLT, SEMS	8	
110	1269107044	BEARING CASE, ASSY.	1.....	INCLUDES ITEMS W/%
120%	1584104540	BOLT, BEARING CASE	2	
130%	1685104040	CASE, MAIN BEARING ASSY.	1	
140%	1586123484	METAL, CRANKSHAFT, STD/SET	1	
140	1586123863	METAL, CRANKSHAFT, -0.20MM/SET	1	
140	1586123873	METAL, CRANKSHAFT, -0.40MM/SET	1	
150	1584104562	BOLT, BEARING CASE	1	



KUBOTA Z482-E4B ENGINE — CAMSHAFT AND IDLE GEAR ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685115552	TAPPET	4	
020	1685115110	PUSH ROD	4	
030	1582116015	CAMSHAFT ASSY.....	1.....	S/N 4DMZ999 AND BELOW INCLUDES ITEMS W/#
030	1582116018	CAMSHAFT ASSY.....	1.....	S/N 4DN0001 AND ABOVE INCLUDES ITEMS W/\$
040#\$	0771500401	BALL 1/4	1	
050#	1686416510	GEAR, CAM.....	1.....	S/N 4DMZ999 AND BELOW
050\$	1J09416510	GEAR, CAM.....	1.....	S/N 4DN0001 AND ABOVE
060#\$	0571200518	KEY, FEATHER	1	
070	1584116270	STOPPER, CAMSHAFT	1	
080	0102350612	BOLT, SEMS	2	
090	1587524015	COMP. GEAR, IDLE.....	1.....	INCLUDES ITEMS W/%
100%	1587524284	BUSH	1	
120	1587524370	COLLAR, IDLE GEAR	1	
130	1587524320	CIRCLIP, SHAFT IDLE GEAR	1	
140	1587524250	SHAFT, IDLE GEAR	1	
150	0175450612	BOLT, FLANGE	3	

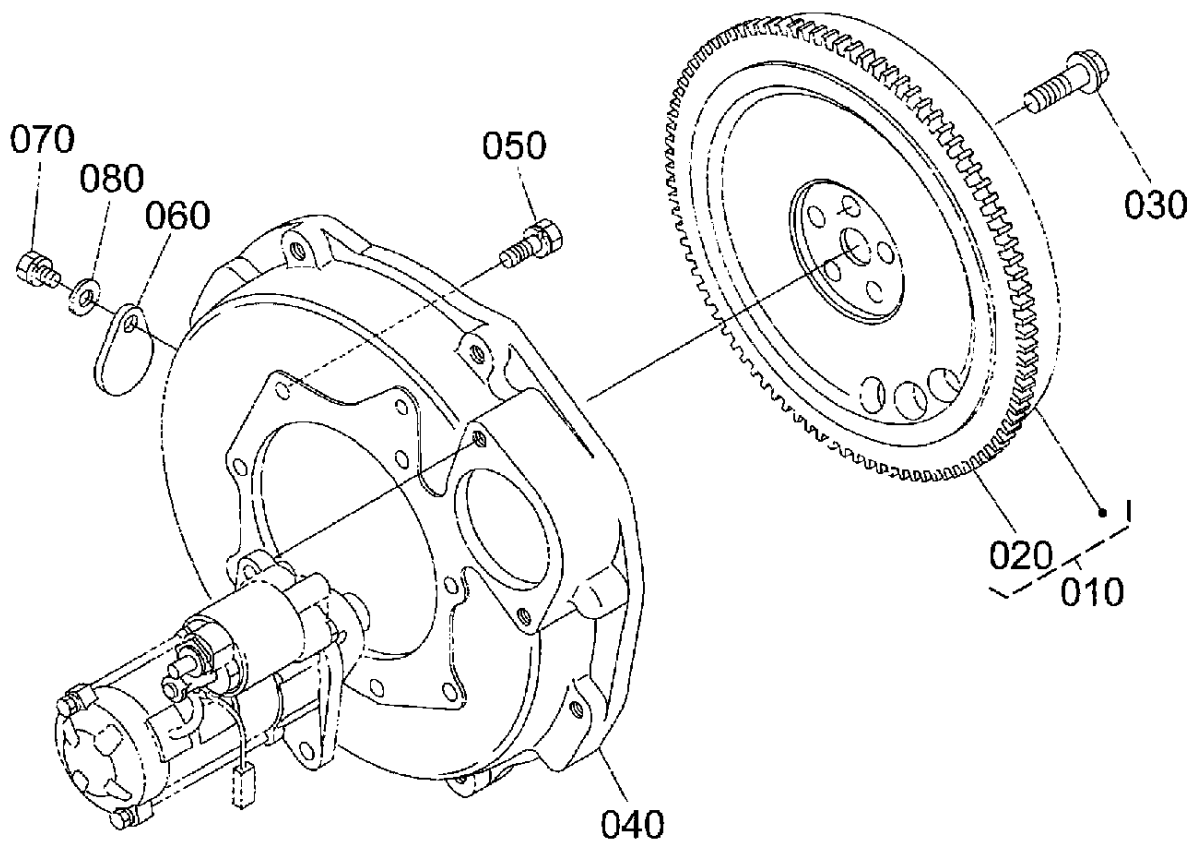
KUBOTA Z482-E4B ENGINE — PISTON AND CRANKSHAFT ASSY.



KUBOTA Z482-E4B ENGINE — PISTON AND CRANKSHAFT ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
010	1J09221110	PISTON, STD	2	
010	1J09221900	PISTON, +0.25MM	2	
020	1J09221050	PISTON RING ASSY., STD	2	
020	1J09221090	PISTON RING ASSY., +0.25MM	2	
030	1687121310	PIN, PISTON	2	
040	1526121330	CIRCLIP, INTERNAL	4	
050	1G68722010	CONNECTING ROD ASSY.....	2	INCLUDES ITEMS W/#
060#	1685121982	BUSH, PISTON PIN	2	
070#	1685122140	BOLT, CONNECTING ROD	4	
080#	1586122314	METAL, CRANKPIN, STD/SET	2	
080	1586122973	METAL, CRANKPIN, -0.20MM/SET	2	
080	1586122983	METAL, CRANKPIN, -0.40MM/SET	2	
085	1685323033	CRANKSHAFT ASSY.....	1	INCLUDES ITEMS W/\$
090\$	1685123013	COMP. CRANKSHAFT.....	1	INCLUDES ITEMS W/%
100\$%	0771503207	BALL	2	
110\$	1921523280	SLEEVE, CRANKSHAFT	1	
120	1584124110	GEAR, CRANK	1	
130	0571200515	KEY, FEATHER	1	
140	1586123474	METAL CRANKSHAFT, STD	1	
140	1586123913	METAL CRANKSHAFT, -0.20MM	1	
140	1586123923	METAL CRANKSHAFT, -0.40MM	1	
160	1584123250	COLLAR, CRANKSHAFT	1	
170	1588123310	SLINGER OIL, CRANKSHAFT	1	
180	0481416220	O-RING	1	

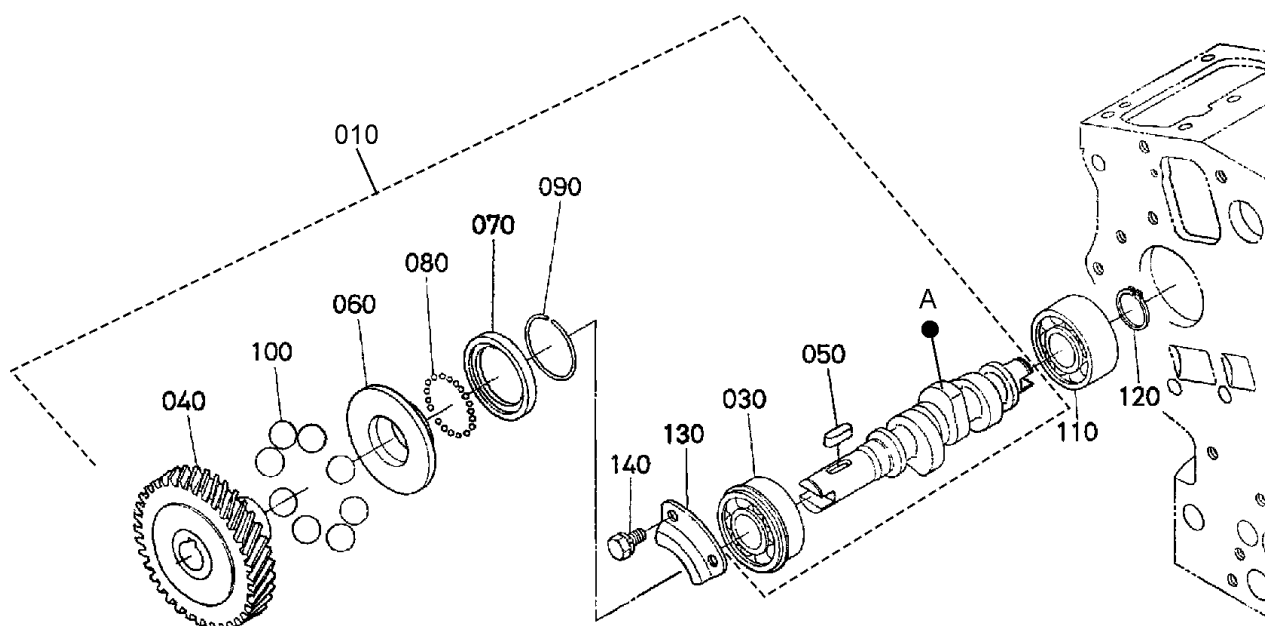
KUBOTA Z482-E4B ENGINE — FLYWHEEL ASSY.



KUBOTA Z482-E4B ENGINE — FLYWHEEL ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685125022	COMP. FLYWHEEL	1.....	INCLUDES ITEMS W/#
020#	1687163822	GEAR, RING	1	
030	1585225160	BOLT, FLYWHEEL	5	
040	1584704612	HOUSING, FLYWHEEL	1	
050	0112350820	BOLT, SEMS	8	
060	3122014170	COVER	1	
070	0112350814	BOLT, SEMS	1	
080	0401350080	WASHER, FLAT	1	

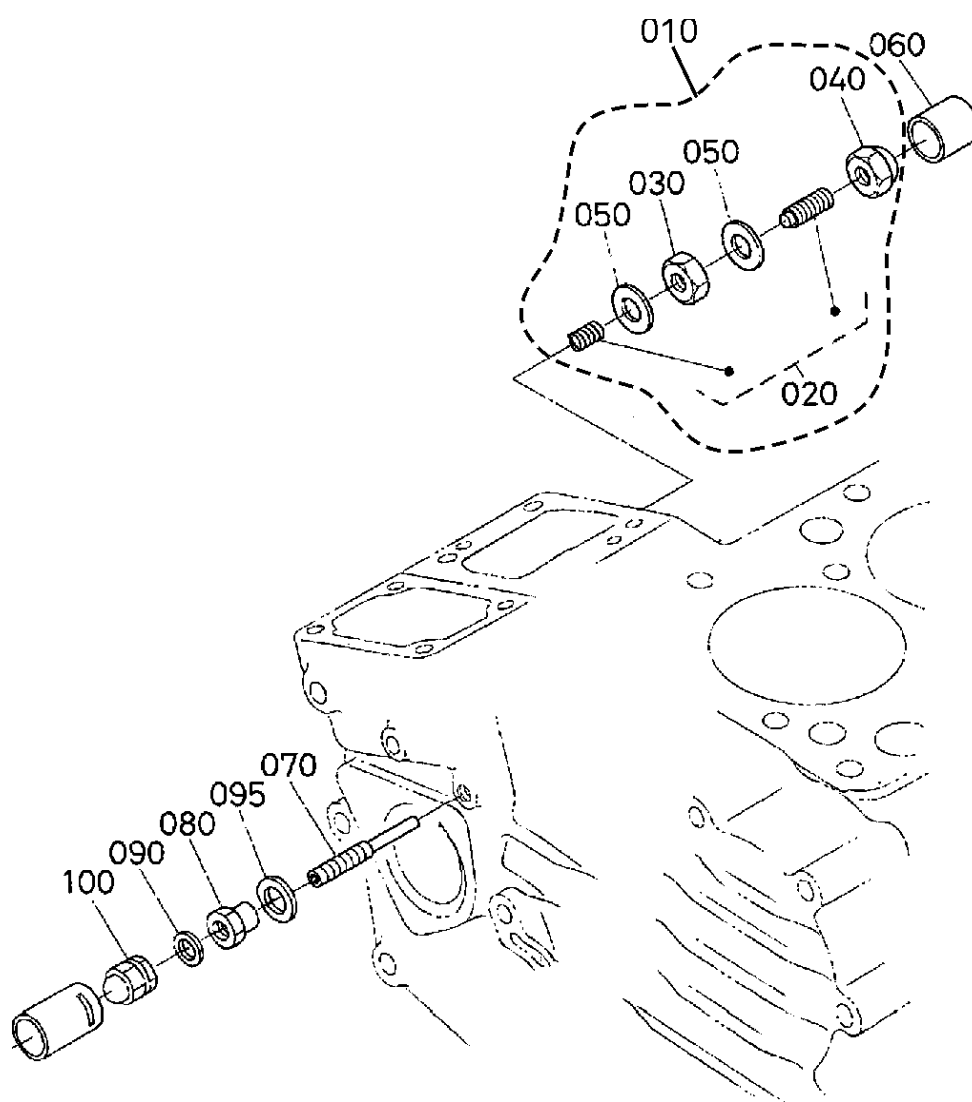
KUBOTA Z482-E4B ENGINE — FUEL CAMSHAFT AND GOV. SHAFT ASSY.



KUBOTA Z482-E4B ENGINE — FUEL CAMSHAFT AND GOV. SHAFT ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1G46016020	CAMSHAFT, FUEL ASSY.	1.....	INCLUDES ITEMS W/\$
030\$	0815306203	BEARING, BALL	1	
040\$	1685151150	GEAR, INJECTION PUMP	1	
050\$	0571200515	KEY, FEATHER	1	
060\$	1584155452	SLEEVE, GOVERNOR	1	
070\$	1584155692	CASE, GOVERNOR BALL	1	
080\$	0771500801	BALL	32	
090\$	1526155470	CIRCLIP, GOVERNOR SLEEVE	1	
100\$	0771503217	BALL	8	
110	1687197300	BEARING, BALL	1	
120	0461200170	CIR-CLIP, EXTERNAL	1	
130	1584116320	STOPPER, FUEL CAMSHAFT	1	
140	0102350612	BOLT, SEMS	2	

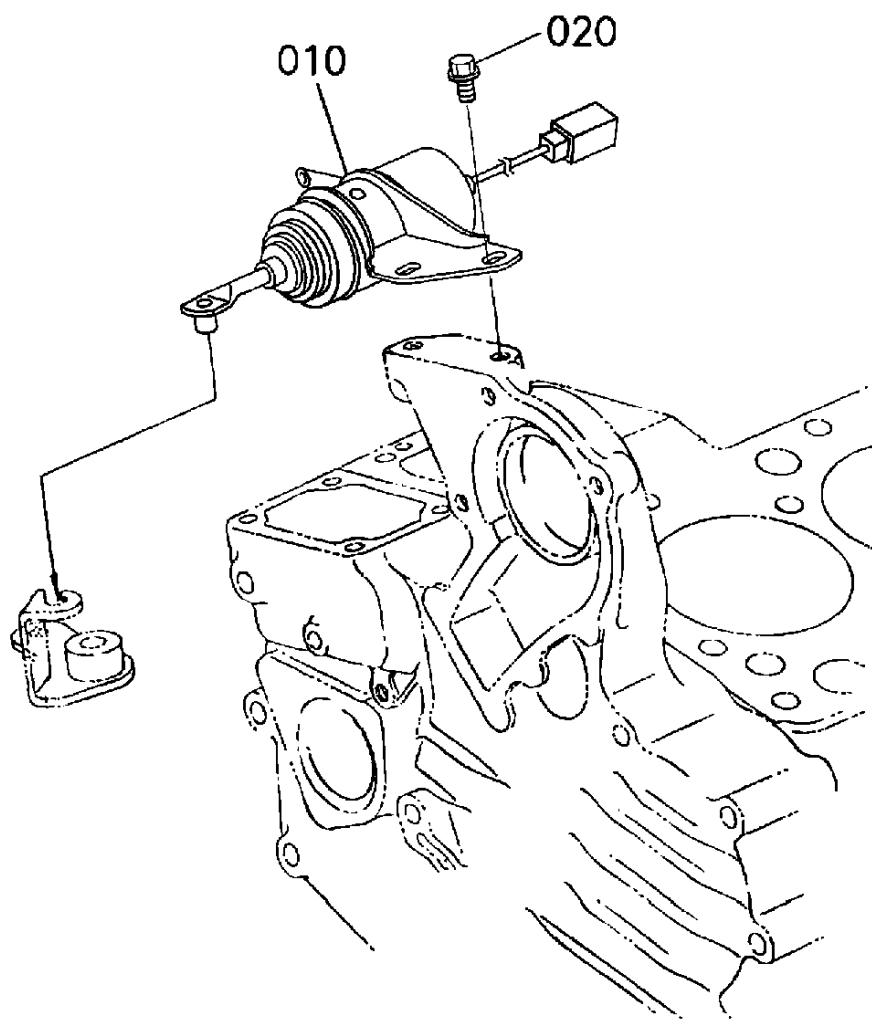
KUBOTA Z482-E4B ENGINE — IDLE APPARATUS ASSY.



KUBOTA Z482-E4B ENGINE — IDLE APPARATUS ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1584154092	IDLE APPARATUS ASSY.....	1.....	INCLUDES ITEMS W/#
020#	1584154100	BOLT, ADJUSTMENT ASSY.	1.....	INCLUDES ITEMS W/\$
030#\$	1526192020	NUT	1	
040#	1584154220	NUT, CAP	1	
050#\$	1502133660	GASKET	2	
060	1584154270	CAP	1	
070	1584154123	BOLT, ADJUSTING	1	
080	1G03154210	NUT, LOCK	1	
090	1560196650	GASKET	1	
095	1G02196650	GASKET	1	
100	1584192330	NUT, CAP	1	

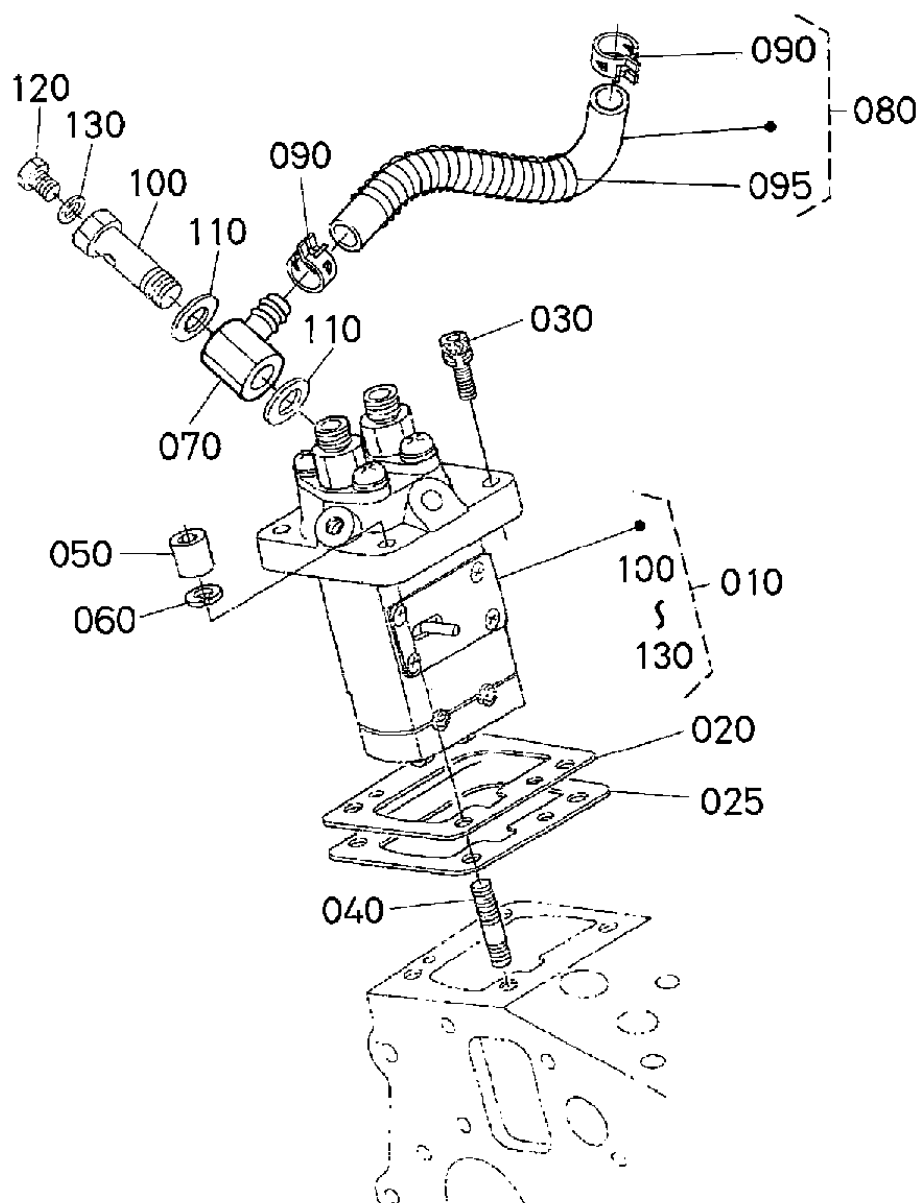
KUBOTA Z482-E4B ENGINE — STOP SOLENOID ASSY.



KUBOTA Z482-E4B ENGINE — STOP SOLENOID ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685160014	SOLENOID, STOP	1	
020	0175450612	BOLT, FLANGE	2	

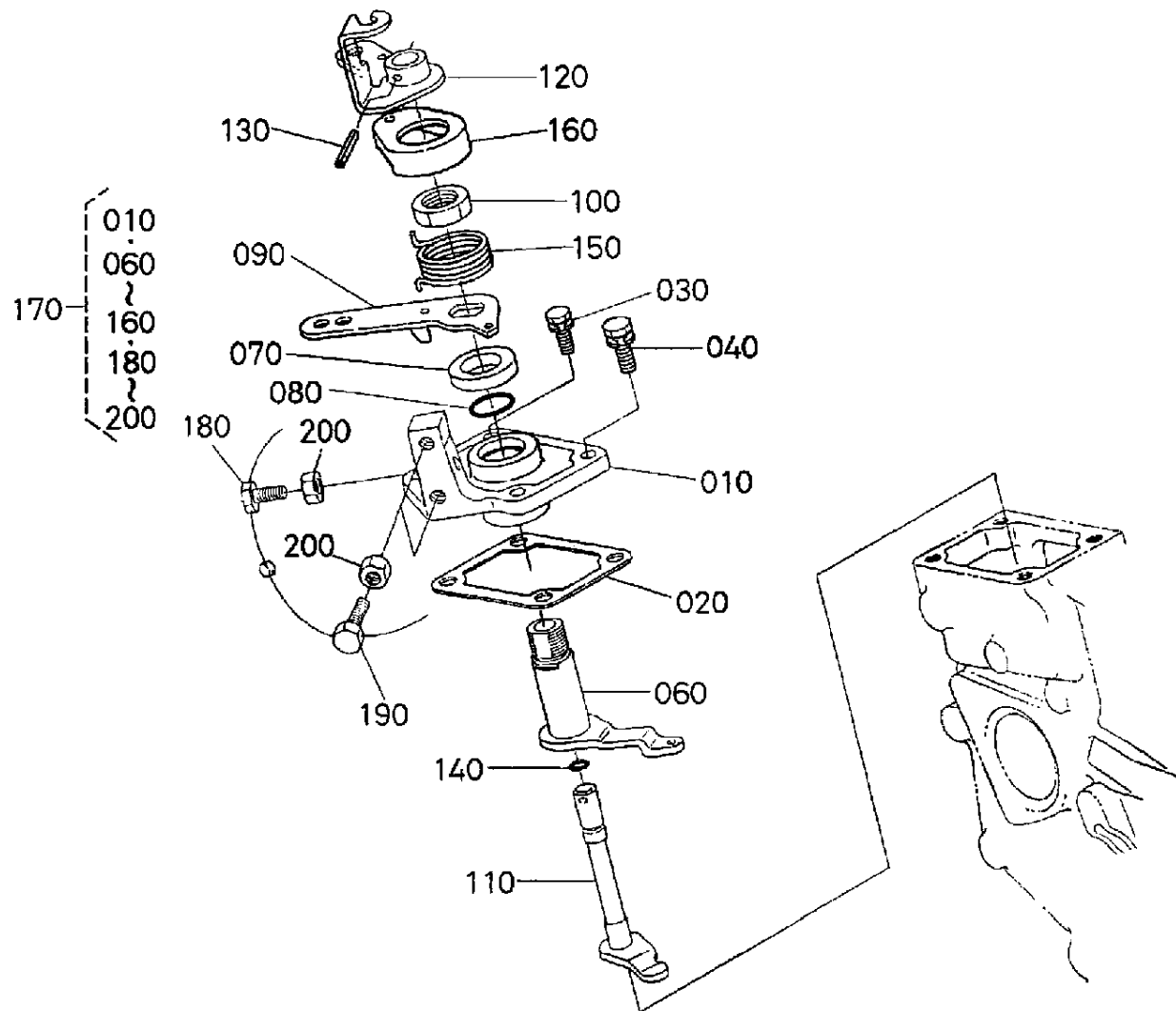
KUBOTA Z482-E4B ENGINE — INJECTION PUMP ASSY.



KUBOTA Z482-E4B ENGINE — INJECTION PUMP ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1754851014	PUMP ASSY., INJECTION	1.....	INCLUDES ITEMS W/#
020	1G68952200	SHIM, INJECTION PUMP, 0.175MM	1	
020	1600152090	SHIM, INJECTION PUMP, 0.200MM	1	
020	1600152110	SHIM, INJECTION PUMP, 0.250MM	1	
025	1600152120	SHIM, INJECTION PUMP, 0.300MM	1	
025	1G68952160	SHIM, INJECTION PUMP, 0.350MM	1	
030	1687191060	SCREW, HEX SOCKET HEAD CAP	3	
040	1584191500	STUD	1	
050	1584192320	NUT, CAP	1	
060	0451250060	WASHER, SPRING LOCK	1	
070	1584195680	JOINT	1	
080	1526342010	PIPE, FUEL ASSY.....	1.....	INCLUDES ITEMS W/\$
090\$	1491142750	CLIP, PIPE	2	
095\$	6659154250	SPRING, PIPE PROTECT	1	
100#	1584151320	SCREW, ROOF CANOPY	1	
110#	1584196650	GASKET	2	
120#	1584151350	SCREW, AIR BLEEDER	1	
130#	1584196660	GASKET	1	

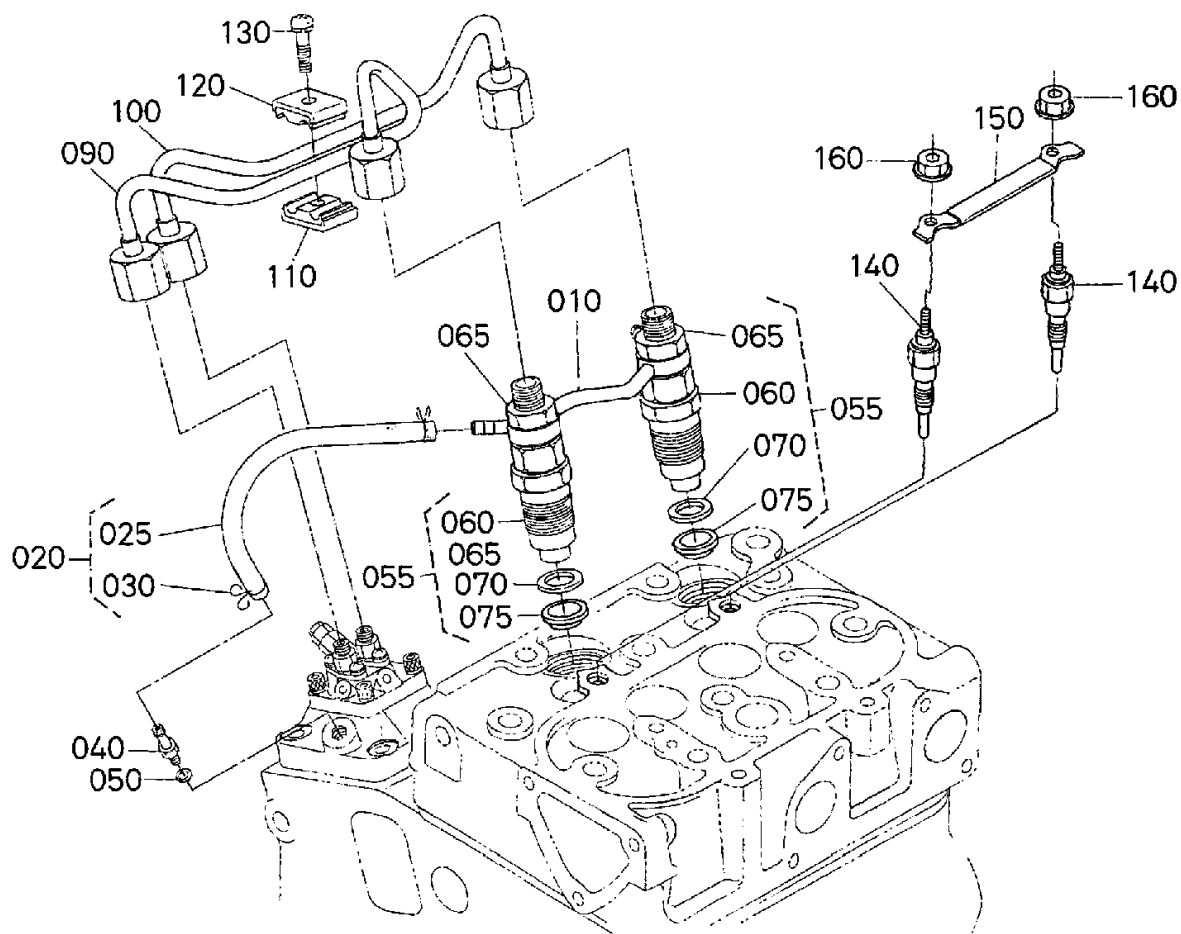
KUBOTA Z482-E4B ENGINE — SPEED CONTROL PLATE ASSY.



KUBOTA Z482-E4B ENGINE — SPEED CONTROL PLATE ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
010\$	1584157112	PLATE, SPEED CONTROL	1	
020	1584157212	GASKET, CONTROL PLATE	1	
030	0175450616	BOLT, FLANGE	2	
040	1687191050	BOLT	2	
060\$	1584156112	LEVER, GOVERNOR	1	
070\$	1928057240	COLLAR	1	
080\$	0481410160	O-RING	1	
090\$	1G63957150	LEVER, SPEED CONTROL	1	
100\$	1686692010	NUT, SPEED CONTROL	2	
110\$	1687857742	SHAFT, LEVER	1	
120\$	1685157724	LEVER, ENGINE STOP	1	
130\$	0541100314	PIN, SPRING	1	
140\$	0481410070	O-RING	1	
150\$	1687857920	SPRING, RETURN	1	
160\$	1686657302	CAP	1	
170	1756157013	COMP. PLATE, SPEED CONTROL.....	1.....	INCLUDES ITEMS W/\$
180\$	1920291010	BOLT	1	
190\$	1920291010	BOLT	2	
200\$	0205650060	HEX, NUT	3	

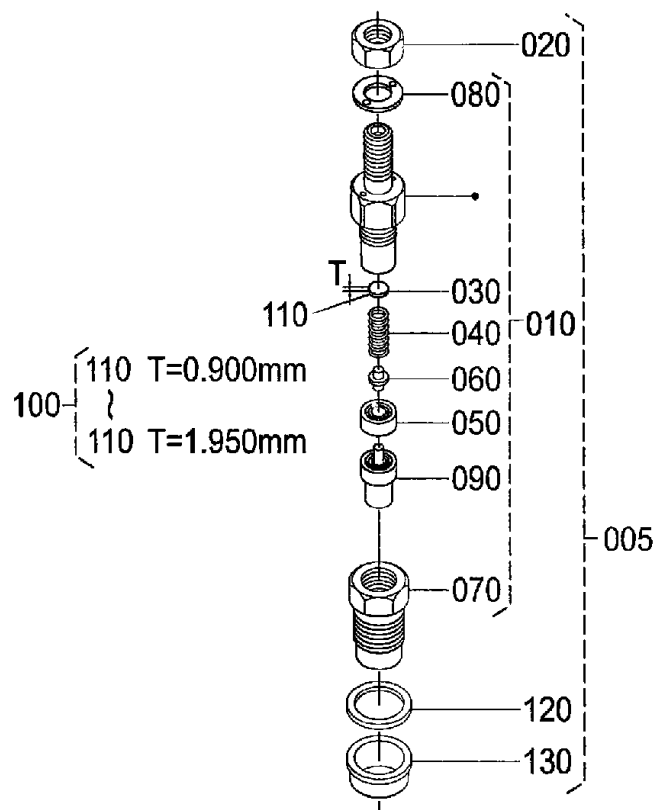
KUBOTA Z482-E4B ENGINE — NOZZLE HOLDER AND GLOW PLUG ASSY.



KUBOTA Z482-E4B ENGINE — NOZZLE HOLDER AND GLOW PLUG ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1585242502	PIPE ASSY., OVER FLOW	1	
020	1584142500	PIPE ASSY., OVER FLOW	1.....	INCLUDES ITEMS W/#
025#	1584142520	PIPE, FUEL OVER FLOW	1	
030#	1497142750	CLIP, PIPE	2	
040	1584151360	SCREW, AIR BLEEDER	1	
050	1560196650	GASKET	1	
055	1687153904	HOLDER, NOZZLE KIT	2.....	INCLUDES ITEMS W/\$
060\$	1687153002	HOLDER, NOZZLE ASSY.	2	
065\$	1G82692032	NUT	2	
070\$	1584153622	GASKET	2	
075\$	1907753650	SEAL, HEAT	2	
090	1G68653710	PIPE, INJECTION	1	
100	1G68653720	PIPE, INJECTION	1	
110	1584153850	CLAMP, PIPE	1	
120	1584153860	CLAMP, PIPE	1	
130	0302450520	SCREW, SEMS PAN HEAD	1	
140	1G67965512	PLUG, GLOW	2	
150	1685165560	CORD, GLOW PLUG	1	
160	0276150040	NUT, FLANGE	2	

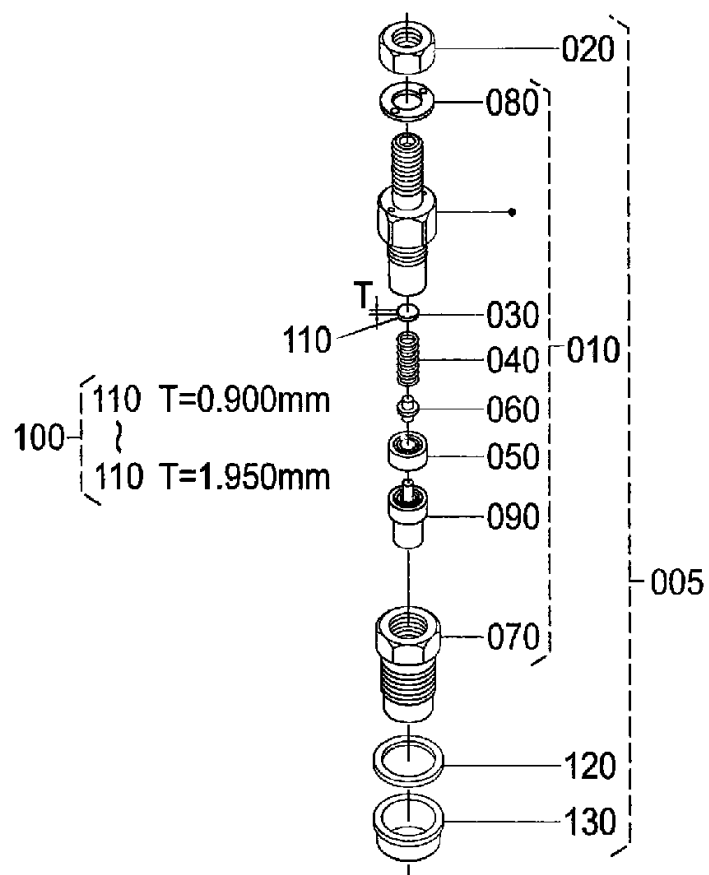
KUBOTA Z482-E4B ENGINE — NOZZLE HOLDER COMP. ASSY.



KUBOTA Z482-E4B ENGINE — NOZZLE HOLDER COMP. ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
005	1687153904	HOLDER, NOZZLE KIT	2.....	INCLUDES ITEMS W/#
010#	1687153002	HOLDER, NOZZLE ASSY.....	2.....	INCLUDES ITEMS W/\$
020#	1G82692032	NUT	2	
030#\$	1603253230	WASHER, ADJUSTING	2	
040#\$	1603253170	SPRING, NOZZLE	2	
050#\$	1603253350	SPACER, DISTANCE	2	
060#\$	1603253160	ROD, PUSH	2	
070#\$	1687153280	NUT, NOZZLE	2	
080#\$	1603294040	WASHER, FLAT	2	
090#\$	1G96253610	NOZZLE-PIECE	2	
100	1584198100	WASHER, ADJUSTING ASSY.	2.....	INCLUDES ITEMS W/%
110%	1584153230	WASHER, ADJUSTING	2.....	0.900MM
110%	1584198510	WASHER, ADJUSTING	2.....	0.925MM
110%	1584198520	WASHER, ADJUSTING	2.....	0.950MM
110%	1584198530	WASHER, ADJUSTING	2.....	0.975MM
110%	1584198540	WASHER, ADJUSTING	2.....	1.000MM
110%	1584198550	WASHER, ADJUSTING	2.....	1.025MM
110%	1584198560	WASHER, ADJUSTING	2.....	1.050MM
110%	1584198570	WASHER, ADJUSTING	2.....	1.075MM
110%	1584198580	WASHER, ADJUSTING	2.....	1.100MM
110%	1584198590	WASHER, ADJUSTING	2.....	1.125MM
110%	1584198600	WASHER, ADJUSTING	2.....	1.150MM
110%	1584198610	WASHER, ADJUSTING	2.....	1.175MM
110%	1584198620	WASHER, ADJUSTING	2.....	1.200MM
110%	1584198630	WASHER, ADJUSTING	2.....	1.225MM
110%	1584198640	WASHER, ADJUSTING	2.....	1.250MM
110%	1584198650	WASHER, ADJUSTING	2.....	1.275MM
110%	1584198660	WASHER, ADJUSTING	2.....	1.300MM
110%	1584198670	WASHER, ADJUSTING	2.....	1.325MM
110%	1584198680	WASHER, ADJUSTING	2.....	1.350MM
110%	1584198690	WASHER, ADJUSTING	2.....	1.375MM
110%	1584198700	WASHER, ADJUSTING	2.....	1.400MM
110%	1584198710	WASHER, ADJUSTING	2.....	1.425MM
110%	1584198720	WASHER, ADJUSTING	2.....	1.450MM
110%	1584198730	WASHER, ADJUSTING	2.....	1.475MM
110%	1584198740	WASHER, ADJUSTING	2.....	1.500MM
110%	1584198750	WASHER, ADJUSTING	2.....	1.525MM

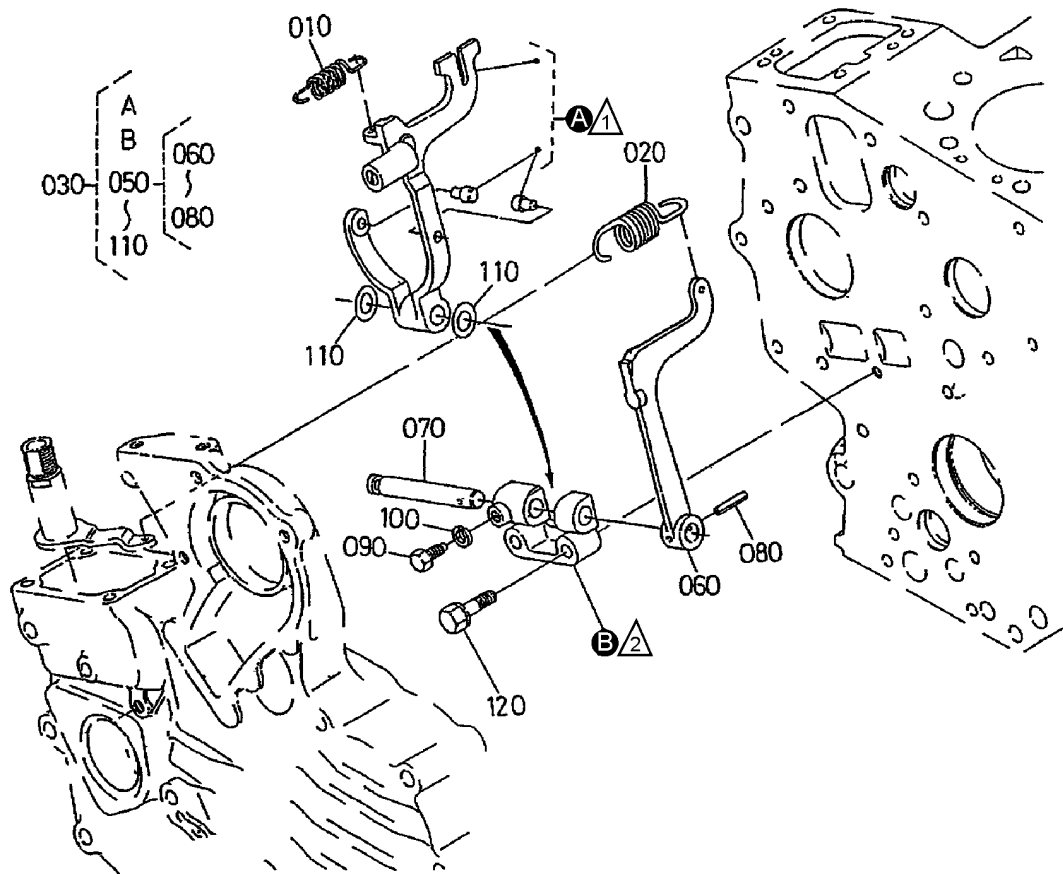
KUBOTA Z482-E4B ENGINE — NOZ. HOLD. COM. ASSY. CONT'D.



KUBOTA Z482-E4B ENGINE — NOZ. HOLD. COM. ASSY. CONT'D.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
110%	1584198760	WASHER, ADJUSTING	2.....	1.550MM
110%	1584198770	WASHER, ADJUSTING	2.....	1.575MM
110%	1584198780	WASHER, ADJUSTING	2.....	1.600MM
110%	1584198790	WASHER, ADJUSTING	2.....	1.625MM
110%	1584198800	WASHER, ADJUSTING	2.....	1.650MM
110%	1584198810	WASHER, ADJUSTING	2.....	1.675MM
110%	1584198820	WASHER, ADJUSTING	2.....	1.700MM
110%	1584198830	WASHER, ADJUSTING	2.....	1.725MM
110%	1584198840	WASHER, ADJUSTING	2.....	1.750MM
110%	1584198850	WASHER, ADJUSTING	2.....	1.775MM
110%	1584198860	WASHER, ADJUSTING	2.....	1.800MM
110%	1584198870	WASHER, ADJUSTING	2.....	1.825MM
110%	1584198880	WASHER, ADJUSTING	2.....	1.850MM
110%	1584198890	WASHER, ADJUSTING	2.....	1.875MM
110%	1584198900	WASHER, ADJUSTING	2.....	1.900MM
110%	1584198910	WASHER, ADJUSTING	2.....	1.925MM
110%	1584198920	WASHER, ADJUSTING	2.....	1.950MM
120#	1584153622	GASKET	2	
130#	1907753650	SEAL, HEAT	2	

KUBOTA Z482-E4B ENGINE — FORK LEVER GOV. ASSY.



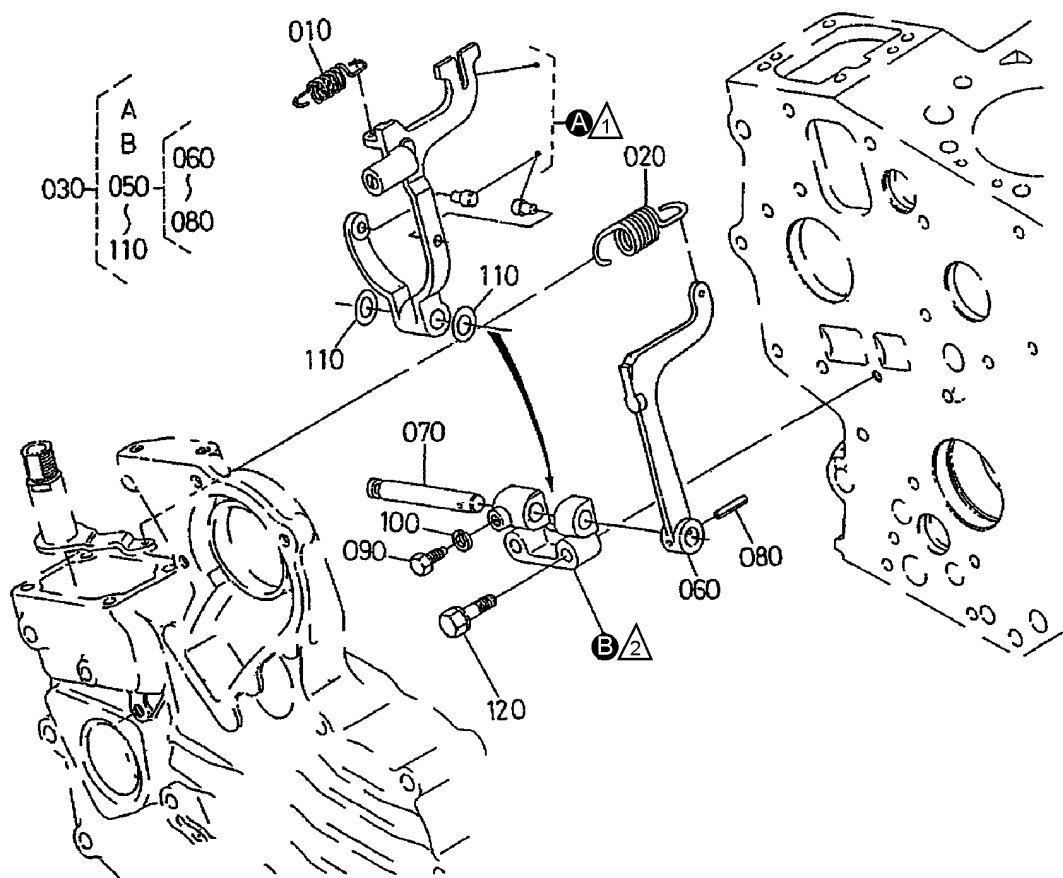
NOTES

- △₁ FORK LEVER ITEM **A** NOT SOLD SEPARATELY.
- △₂ HOLDER, FORK LEVER ITEM **B** NOT SOLD SEPARATELY.

KUBOTA Z482-E4B ENGINE — FORK LEVER GOV. ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1584156480	SPRING, START	1	
020	1754956410	SPRING, GOVERNOR	1	
030	1754856055	LEVER, FORK ASSY.	1	INCLUDES ITEMS W/#
A#		LEVER, FORK COMP	1	NOT SOLD SEPARATELY
B#		HOLDER, FORK LEVER	1	NOT SOLD SEPARATELY
050#	1584156060	LEVER, FORK ASSY.	1	INCLUDES ITEMS W/\$
060#\$	1584156130	LEVER, FORK	1	
070#\$	1584156150	SHAFT, FORK LEVER	1	
080#\$	0541100318	PIN, SPRING	1	
090#	1526166410	BOLT	1	
100#	0451250050	WASHER, SPRING LOCK	1	
110#	1666255620	WASHER, FLAT	2	
120	0102350635	BOLT, SEMS	2	

KUBOTA Z482-E4B ENGINE — FORK LEVER GOV. ASSY.



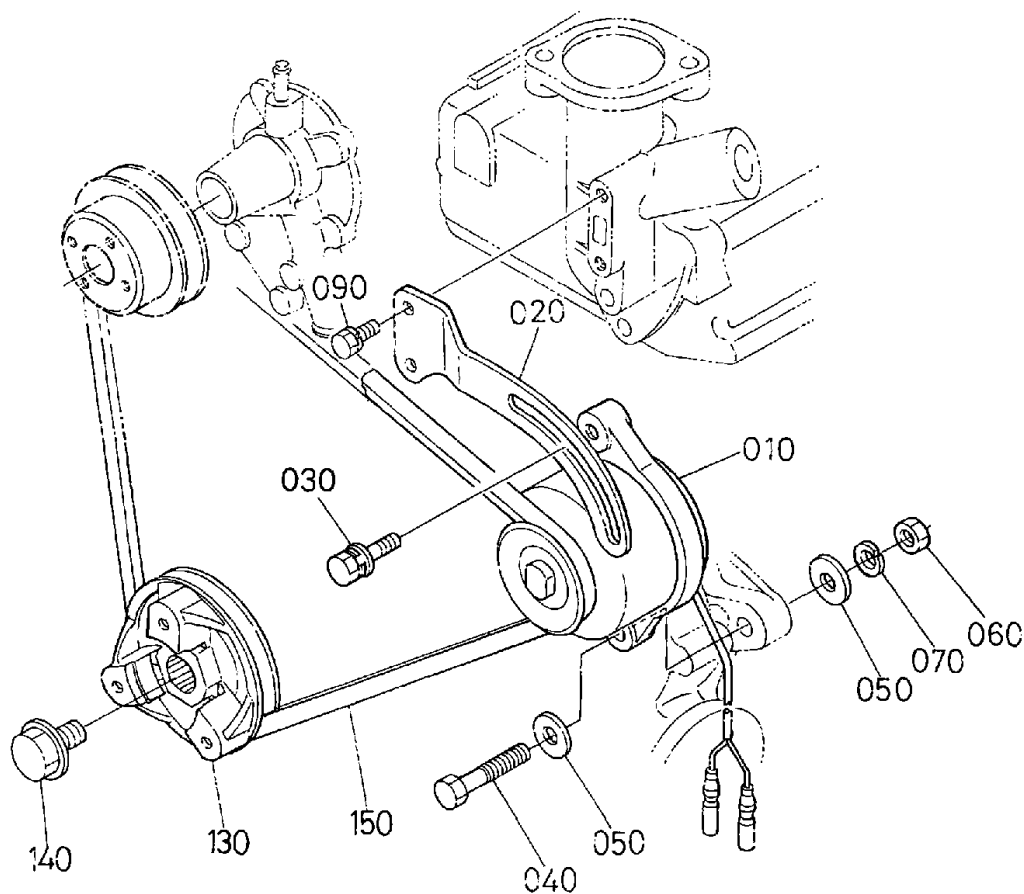
NOTES

-  FORK LEVER ITEM **A** NOT SOLD SEPARATELY.
-  HOLDER, FORK LEVER ITEM **B** NOT SOLD SEPARATELY.

KUBOTA Z482-E4B ENGINE — FORK LEVER GOV. ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
010	1584156480	SPRING, START	1	
020	1754956410	SPRING, GOVERNOR	1	
030	1754856055	LEVER, FORK ASSY.	1	INCLUDES ITEMS W/#
A#		LEVER, FORK COMP	1	NOT SOLD SEPARATELY
B#		HOLDER, FORK LEVER	1	NOT SOLD SEPARATELY
050#	1584156060	LEVER, FORK ASSY.	1	INCLUDES ITEMS W/\$
060#\$	1584156130	LEVER, FORK	1	
070#\$	1584156150	SHAFT, FORK LEVER	1	
080#\$	0541100318	PIN, SPRING	1	
090#	1526166410	BOLT	1	
100#	0451250050	WASHER, SPRING LOCK	1	
110#	1666255620	WASHER, FLAT	2	
120	0102350635	BOLT, SEMS	2	

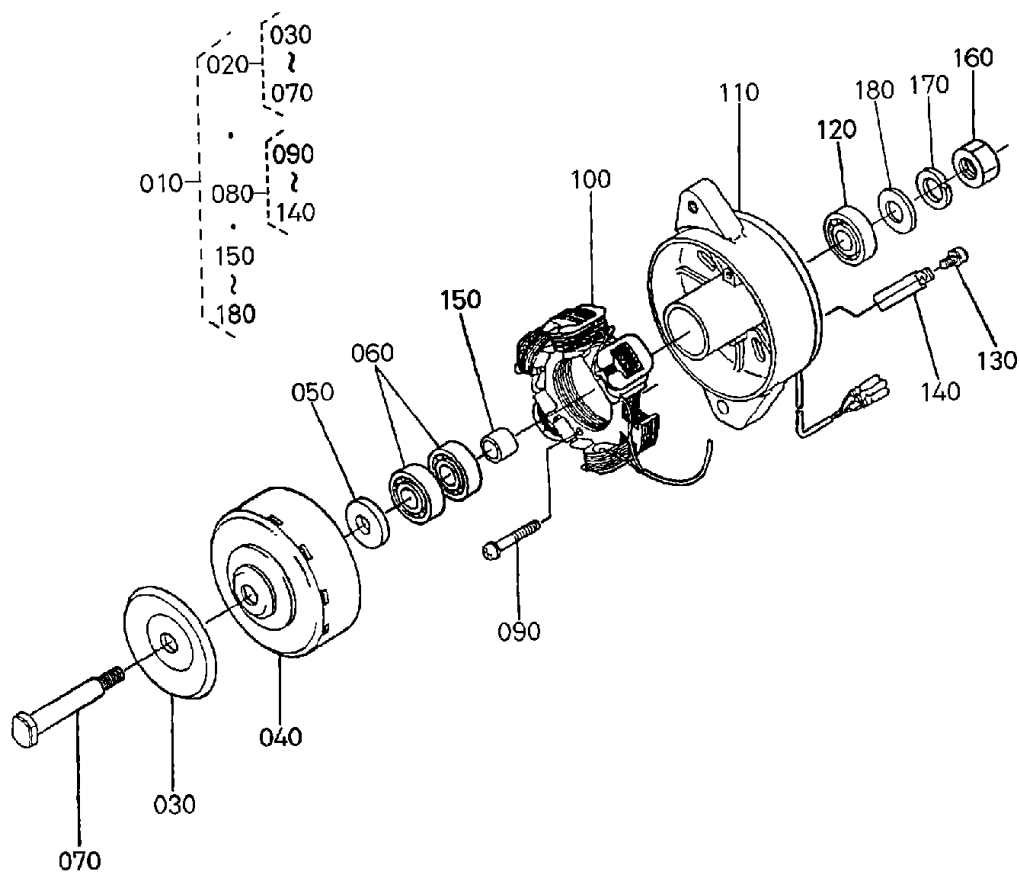
KUBOTA Z482-E4B ENGINE — DYNAMO AND PULLEY ASSY.



KUBOTA Z482-E4B ENGINE — DYNAMO AND PULLEY ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1753164012	DYNAMO ASSY.	1	
020	1259964420	STAY, DYNAMO	1	
030	1687191030	BOLT	1	
040	0115350855	HEX, BOLT	1	
050	0401350080	WASHER, FLAT	2	
060	0215650080	HEX, NUT	1	
070	0451250080	WASHER, SPRING LOCK	1	
090	0102350616	BOLT, SEMS	2	
130	1685174280	PULLEY, FAN DRIVE	1	
140	1588191030	BOLT	1	
150	1980572530	BELT, FAN	1	

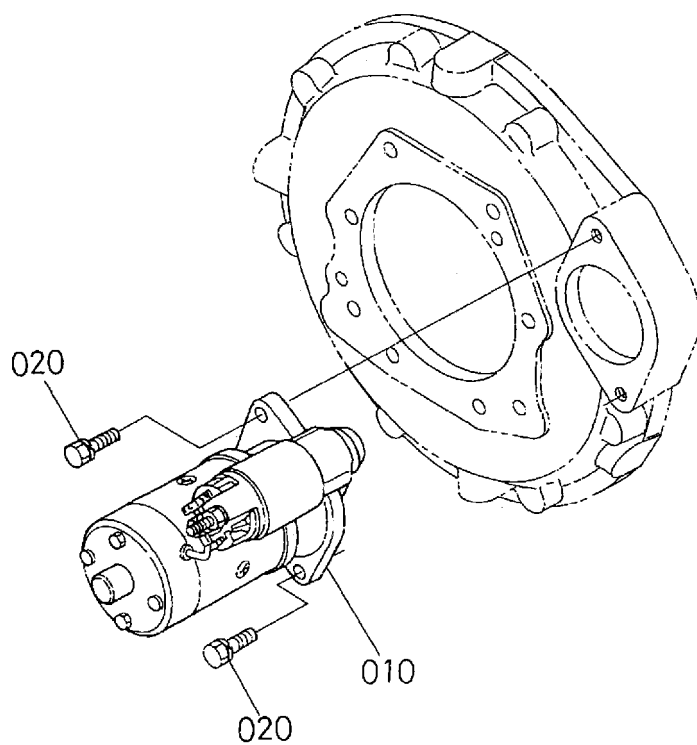
KUBOTA Z482-E4B ENGINE — DYNAMO COMPONENTS ASSY.



KUBOTA Z482-E4B ENGINE — DYNAMO COMPONENTS ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
010	1753164012	DYNAMO ASSY.	1.....	INCLUDES ITEMS W/#
020#	1553264120	COMP. FLYWHEEL.....	1.....	INCLUDES ITEMS W/\$
030#\$	1553164110	PULLEY	1	
040#\$	1553264040	FLYWHEEL	1	
050#\$	6C04082860	COLLAR	1	
060#\$	1553174180	BEARING, BALL	2	
070#\$	1553274140	SHAFT, FAN	1	
080#	1553264360	COMP. STATOR	1.....	INCLUDES ITEMS W/%
090#%	1526193010	SCREW, ROUND HEAD	2	
100#%	1553164292	STATOR	1	
110#%	1553264070	PLATE	1	
120#%	1553174180	BEARING, BALL	1	
130#%	1553193010	SCREW, ROUND HEAD	1	
140#%	1526164190	CLAMP, CORD	1	
150#	1526164150	COLLAR	1	
160#	1526192030	NUT	1	
170#	1526194070	WASHER, LOCK	1	
180#	1526194020	WASHER, FLAT	1	

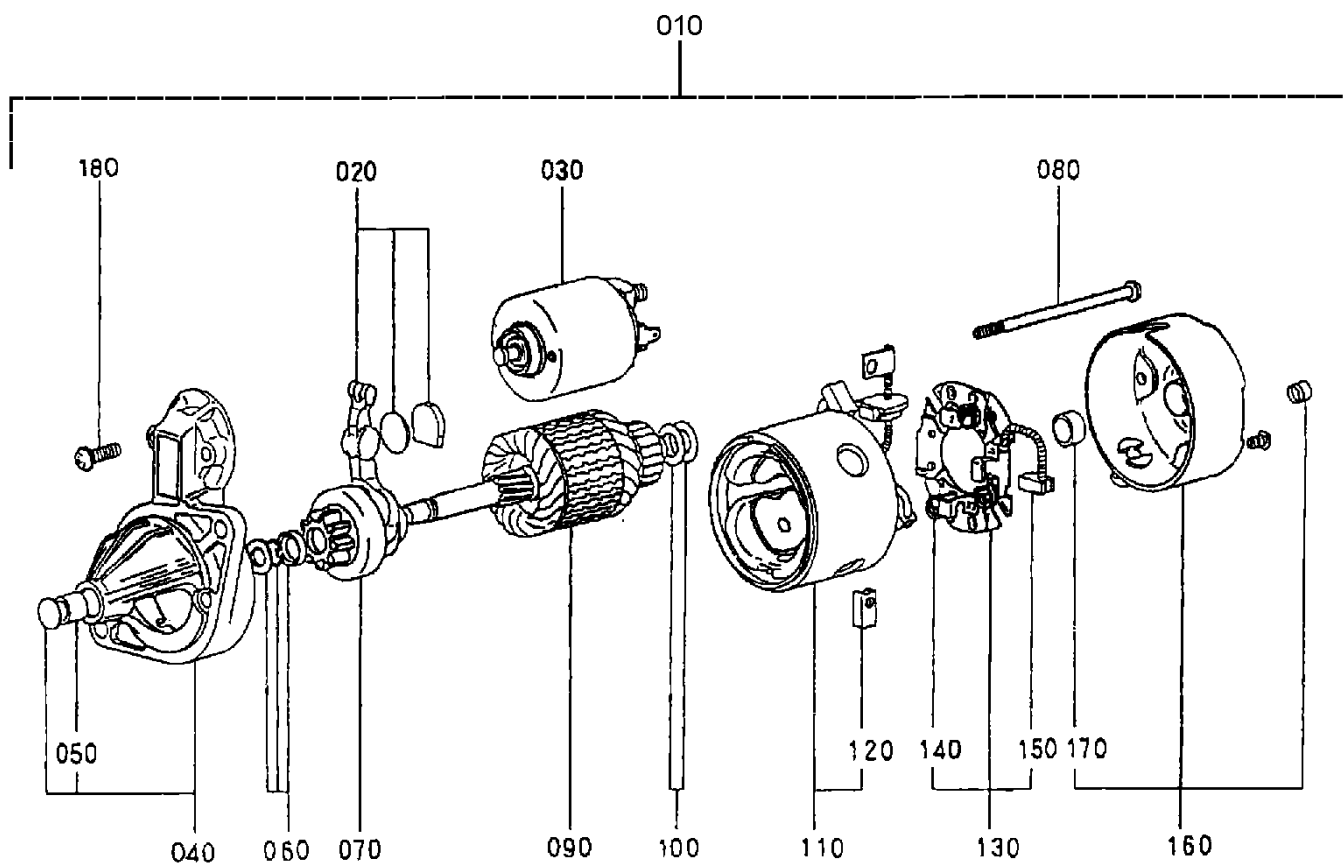
KUBOTA Z482-E4B ENGINE — STARTER ASSY.



KUBOTA Z482-E4B ENGINE — STARTER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1983763014	STARTER ASSY.	1	
020	0112350825	BOLT, SEMS	2	

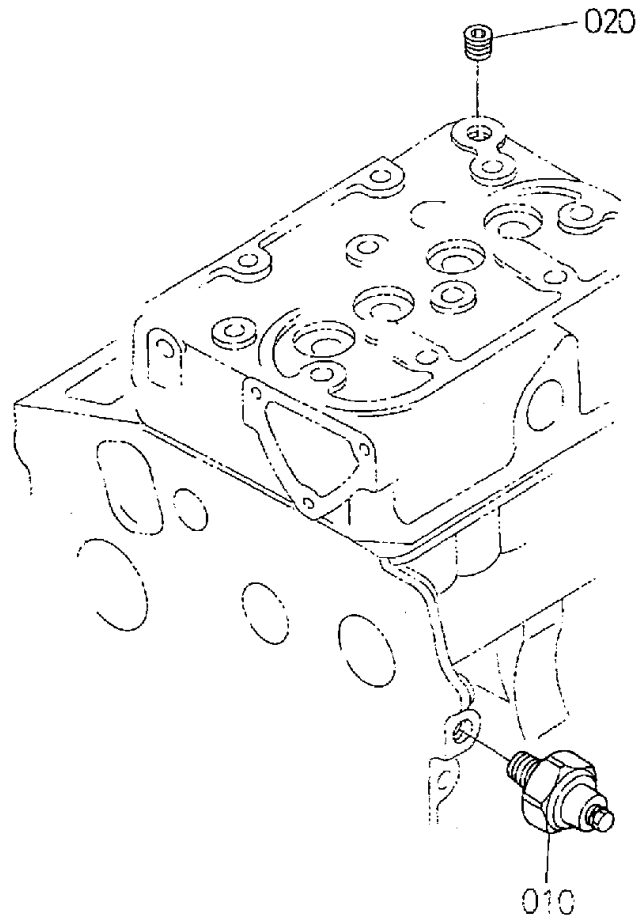
KUBOTA Z482-E4B ENGINE — STARTER COMPONENTS ASSY.



KUBOTA Z482-E4B ENGINE — STARTER COMPONENTS ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
010	1983763014	STARTER ASSY.....	1.....	INCLUDES ITEMS W/#
020#	1983763050	LEVER, DRIVE	1	
030#	1585263023	SWITCH, MAGNETIC	1	
040#	1983763030	FRAME, DRIVE END.....	1.....	INCLUDES ITEMS W/\$
050#\$	1585263240	BUSHING	1	
060#	1983763150	STOPPER	1	
070#	1983763040	CLUTCH, OVER RUNNING	1	
080#	1983763320	BOLT	2	
090#	1983763070	ARMATURE	1	
100#	1585263410	WASHER, ADJUSTING	1	
110#	1983763082	YOKE	1.....	INCLUDES ITEMS W/%
120#%	1585263360	BRUSH	2	
130#	1585263380	HOLDER, BRUSH	1.....	INCLUDES ITEMS W/@
140#@	1585263390	SPRING, BRUSH	3	
150#@	1585263370	BRUSH	1	
160#	1983763200	FRAME, END.....	1.....	INCLUDES ITEMS W/◆
170#◆	1585263250	BUSH	1	
180#	1585293310	SCREW, PAN HEAD	1	

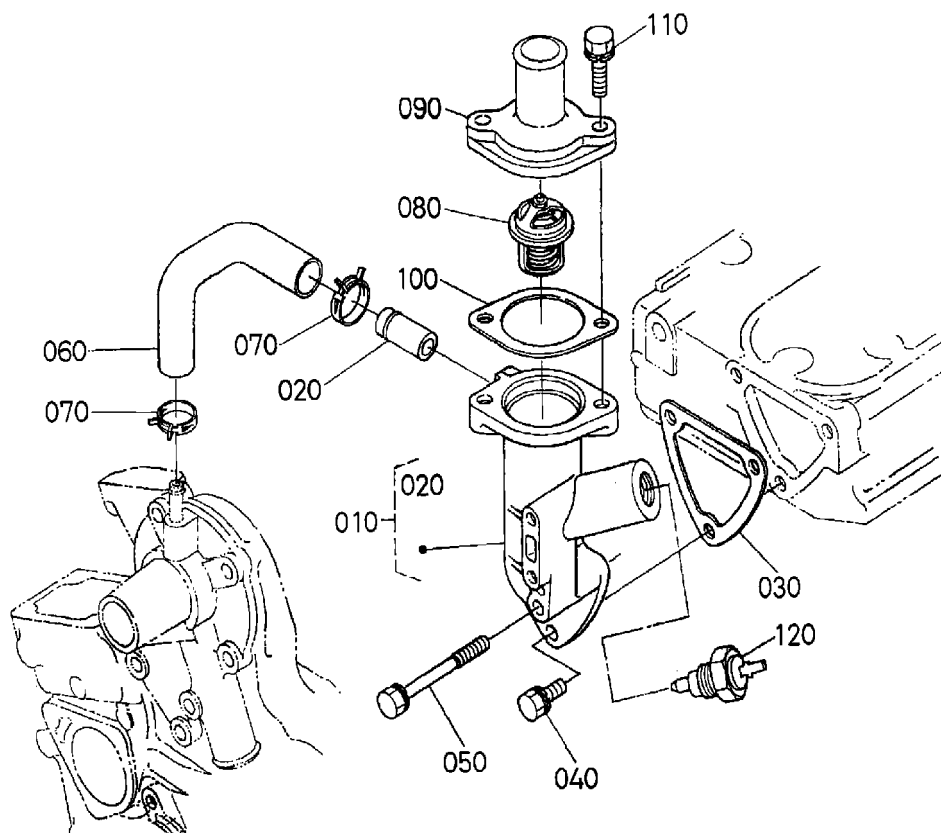
KUBOTA Z482-E4B ENGINE — OIL SWITCH PLUG ASSY.



KUBOTA Z482-E4B ENGINE — OIL SWITCH PLUG ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1522139013	SWITCH, OIL	1	
020	1584196020	PLUG	1	

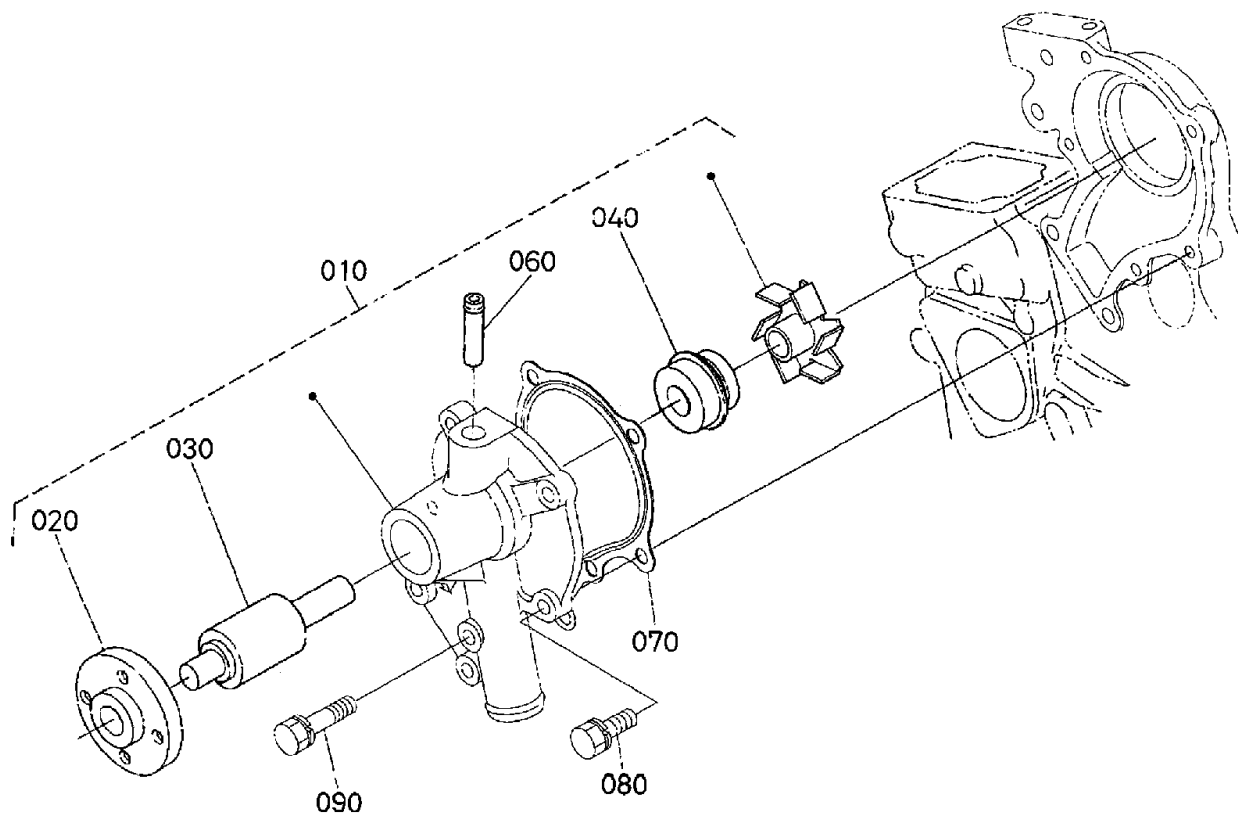
KUBOTA Z482-E4B ENGINE — WATER FLANGE AND THERMOSTAT ASSY.



KUBOTA Z482-E4B ENGINE — WATER FLANGE AND THERMOSTAT ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1687572704	COMP. FLANGE, WATER	1.....	INCLUDES ITEMS W/\$
020\$	1624173370	PIPE, WATER RETURN	1	
030	1584172923	GASKET, WATER FLANGE	1	
040	0102350616	BOLT, SEMS	2	
050	0102350650	BOLT, SEMS	1	
060	1685173350	PIPE, WATER RETURN	1	
070	1G68773362	CLAMP, HOSE	2	
080	1553173014	THERMOSTAT ASSY.	1	
090	1584173260	COVER, THERMOSTAT	1	
100	1685173270	GASKET, THERMOSTAT	1	
110	0102350622	BOLT, SEMS	2	
120	1753883040	SWITCH, THERMOSTAT	1	

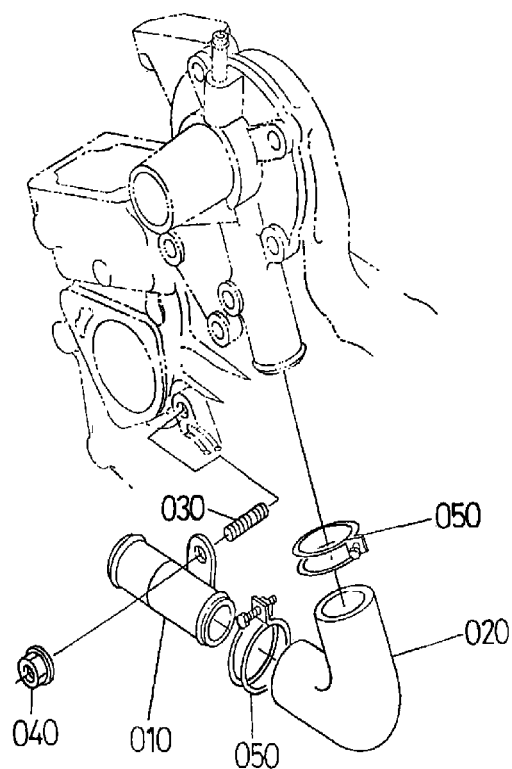
KUBOTA Z482-E4B ENGINE — WATER PUMP ASSY.



KUBOTA Z482-E4B ENGINE — WATER PUMP ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1E05173034	WATER PUMP ASSY.	1.....	INCLUDES ITEMS W/%
020%	1585273520	FLANGE, WATER PUMP	1	
030%	1585273550	BEARING	1	
040%	1548173050	SEAL, MECHANICAL ASSY.	1	
060%	1585273340	PIPE, WATER RETURN	1	
070	1687173430	GASKET, WATER PUMP	1	
080	0102350622	BOLT, SEMS	4	
090	0102350638	BOLT, SEMS	1	

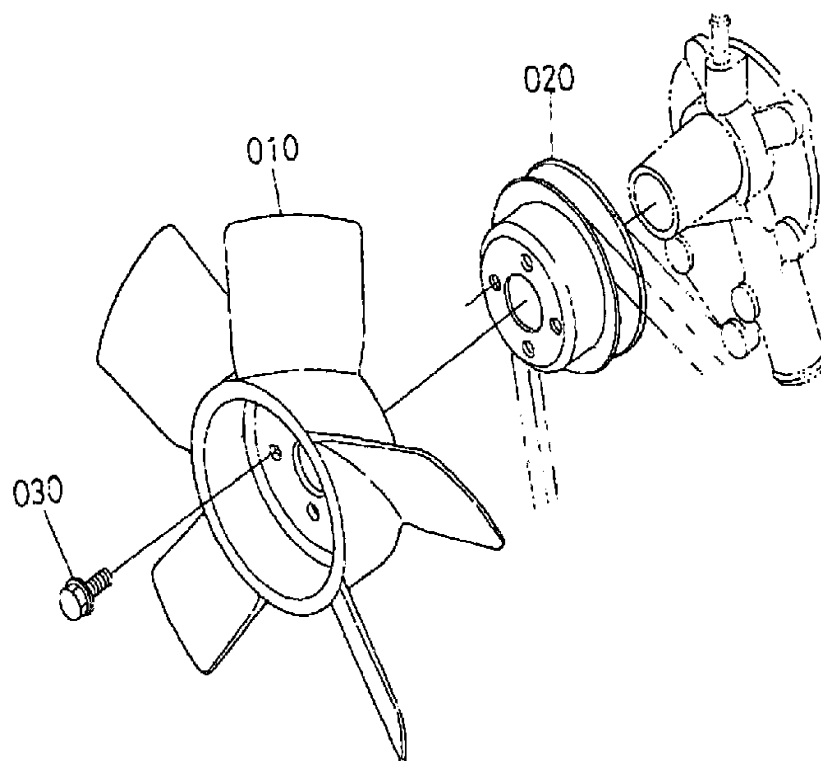
KUBOTA Z482-E4B ENGINE — WATER PIPE ASSY.



KUBOTA Z482-E4B ENGINE — WATER PIPE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1680572860	PIPE, WATER	1	
020	1680572870	HOSE, WATER	1	
030	1584191510	STUD	1	
040	0275150060	NUT, FLANGE	1	
050	1584172960	BAND, PIPE	2	

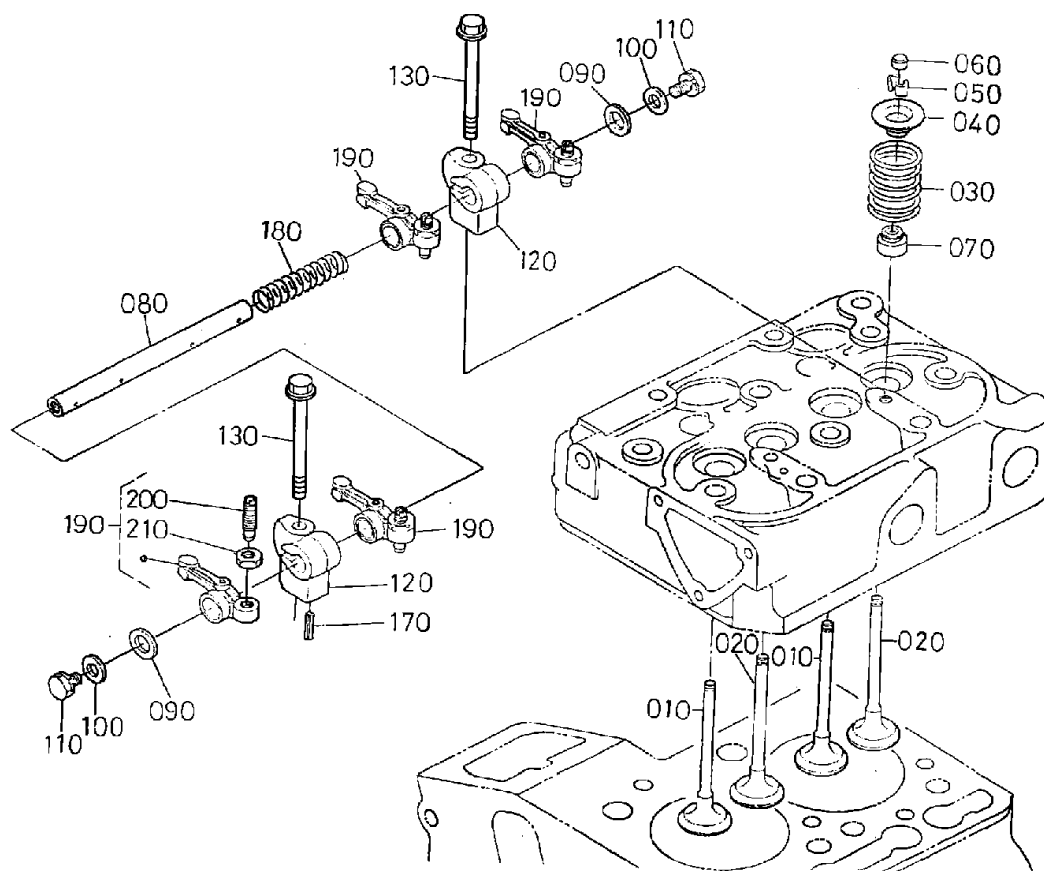
KUBOTA Z482-E4B ENGINE — FAN ASSY.



KUBOTA Z482-E4B ENGINE — FAN ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1586774112	FAN	1	
020	1584174250	PULLEY, FAN	1	
030	0175450610	BOLT, FLANGE	4	

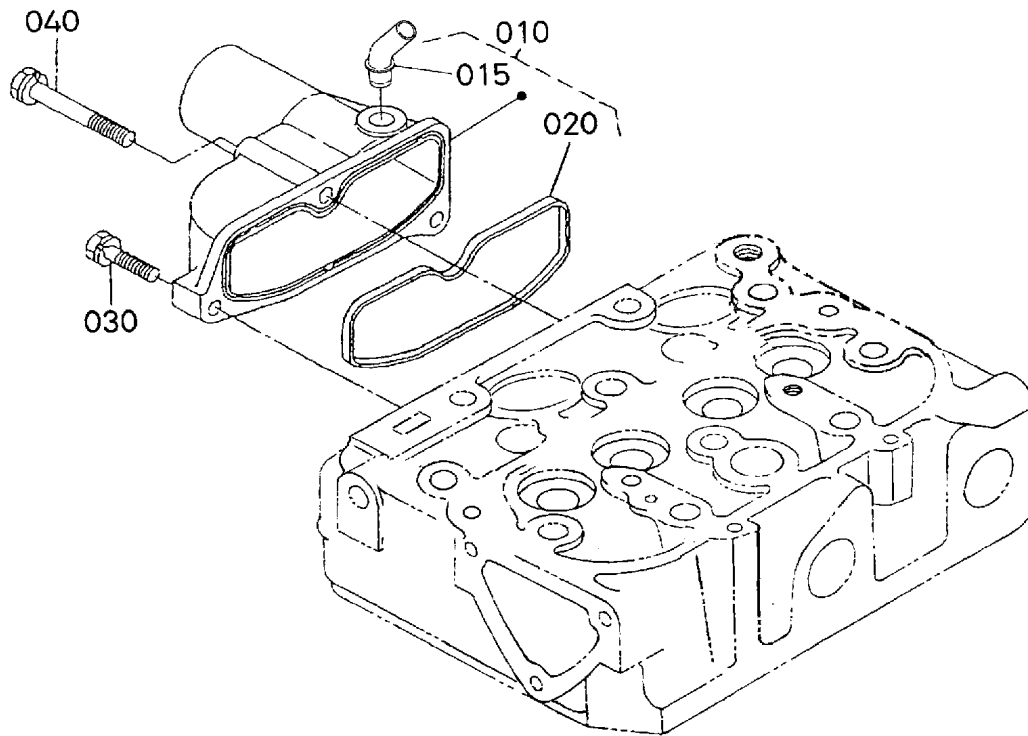
KUBOTA Z482-E4B ENGINE — VALVE AND ROCKER ARM ASSY.



KUBOTA Z482-E4B ENGINE — VALVE AND ROCKER ARM ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1G68613110	VALVE, INLET	2	
020	1G68613120	VALVE, EXHAUST	2	
030	1460113240	SPRING, VALVE	4	
040	1460113330	RETAINER, VALVE SPRING	4	
050	1460113980	COLLET, VALVE SPRING SET	4	
060	1685113280	CAP, VALVE	4	
070	1142013150	SEAL, VALVE STEM	4	
080	1584114264	SHAFT, ROCKER ARM	1	
090	1687114430	WASHER	2	
100	1584194022	WASHER, FLAT	2	
110	0102350610	BOLT, SEMS	2	
120	1G95814350	BRACKET, ROCKER ARM	2	
130	0175450640	BOLT FLANGE	2	
170	0541100420	PIN, SPRING	1	
180	1460114312	SPRING, ROCKER ARM	1	
190	1584114036	ARM, ROCKER ASSY.....	4	INCLUDES ITEMS W/\$
200\$	1584114230	SCREW, ADJUSTING	4	
210\$	1460114240	NUT	4	

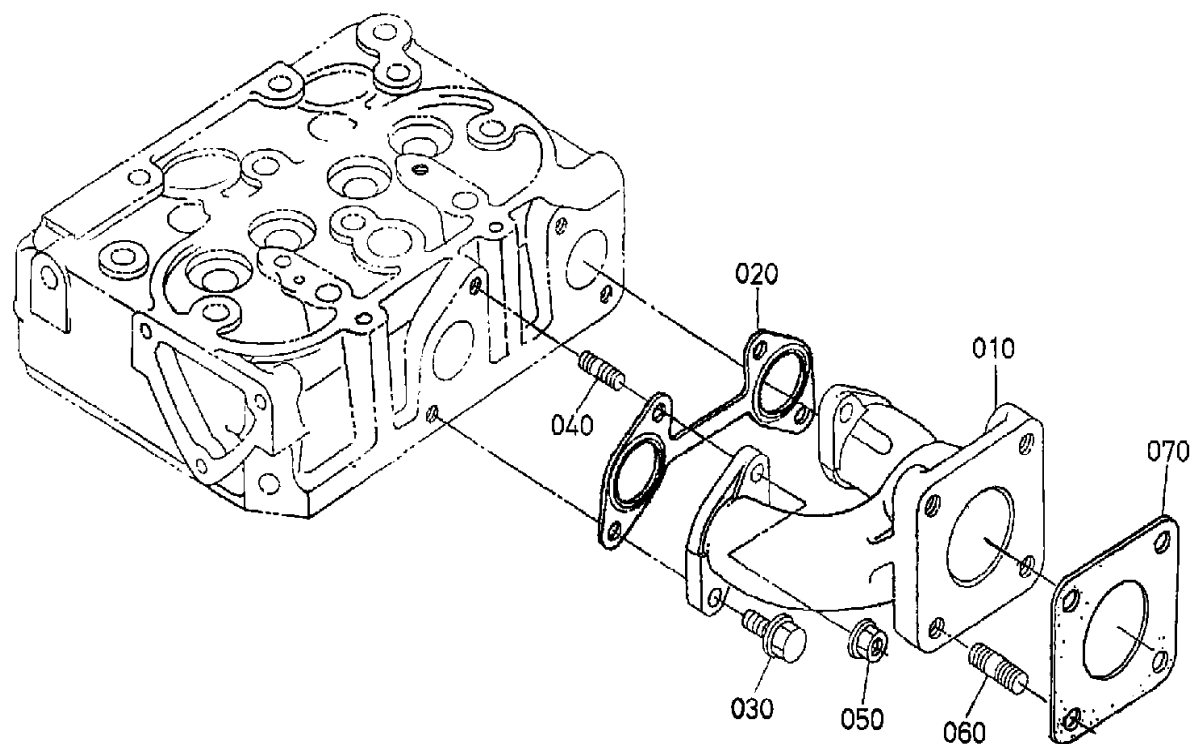
KUBOTA Z482-E4B ENGINE — INLET MANIFOLD ASSY.



KUBOTA Z482-E4B ENGINE — INLET MANIFOLD ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
010	1G95711772	MANIFOLD, INLET ASSY.....	1.....	INCLUDES ITEMS W/#
015#	1G95905550	PIPE BREATHER	1	
020#	1584111820	GASKET, IN-MANIFOLD	1	
030	0175450616	BOLT, FLANGE	2	
040	0102350645	BOLT, SEMS	1	

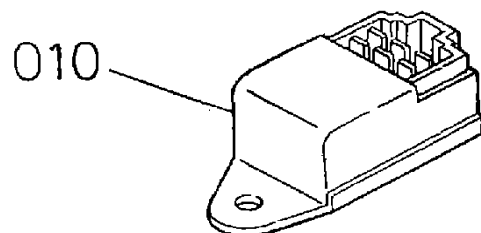
KUBOTA Z482-E4B ENGINE — EXHAUST MANIFOLD ASSY.



KUBOTA Z482-E4B ENGINE — EXHAUST MANIFOLD ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1584112313	MANIFOLD, EXHAUST	1	
020	1685112360	GASKET, EX-MANIFOLD	1	
030	1J09091010	BOLT, UBS	2	
040	0151350620	BOLT, STUD	2	
050	0275650060	NUT, UBS	2	
060	0151350822	BOLT, STUD	4	
070	1526312370	GASKET, MUFFLER NA	1	

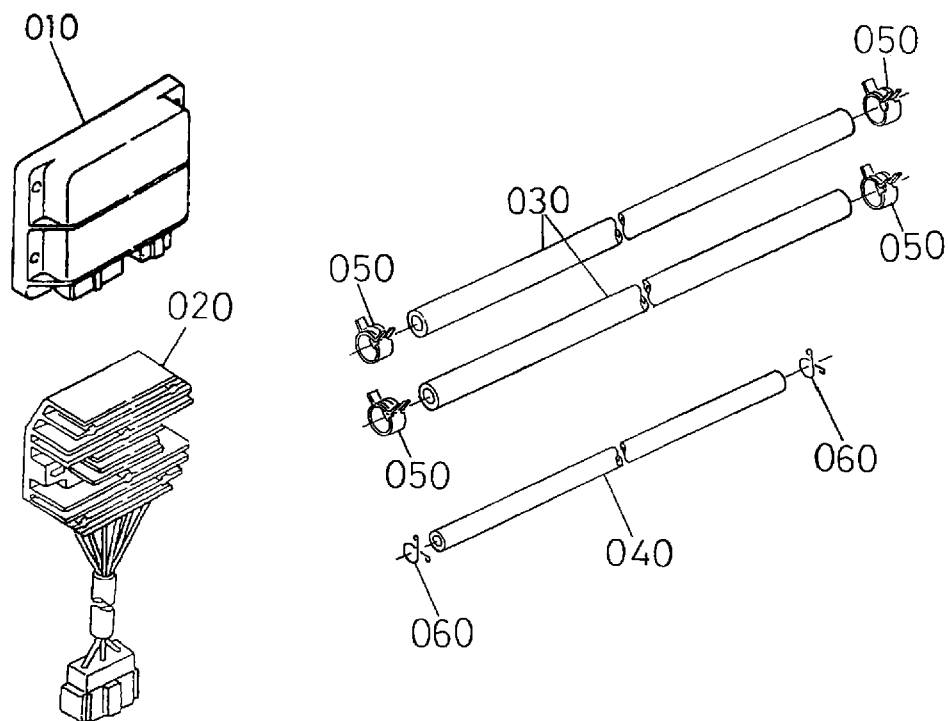
KUBOTA Z482-E4B ENGINE — GLOW LAMP AND TIMER ASSY.



KUBOTA Z482-E4B ENGINE — GLOW LAMP AND TIMER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1569465990	TIMER, GLOW LAMP	1	

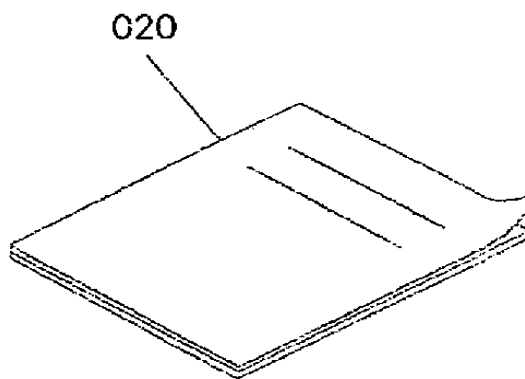
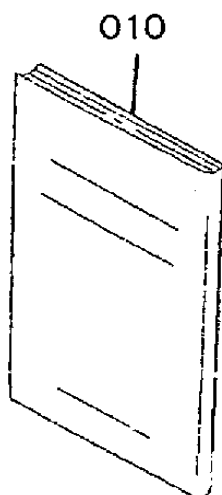
KUBOTA Z482-E4B ENGINE — ACCESSORIES AND SERV. ASSY.



KUBOTA Z482-E4B ENGINE — ACCESSORIES AND SERV. ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1747260604	EMERGENCY UNIT	1	
020	1584464603	COMP. REGULATOR	1	
030	0966180240	TUBE, FUEL 240MM	1	
030	0966180400	TUBE, FUEL 400MM	1	
040	0966140240	TUBE, FUEL	1	
040	0966140320	TUBE, FUEL	1	
050	1491142750	CLIP, PIPE	4	
060	1497142750	CLIP, PIPE	6	

KUBOTA Z482-E4B ENGINE — LABEL AND OPS MANUAL ASSY.



KUBOTA Z482-E4B ENGINE — LABEL AND OPS MANUAL ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1J09089160	OPERATOR'S MANUAL	1	
020	1J01389810	STATEMENT WARRANTY	1	

TERMS AND CONDITIONS OF SALE — PARTS

PAYMENT TERMS

Terms of payment for parts are net 30 days.

FREIGHT POLICY

All parts orders will be shipped collect or prepaid with the charges added to the invoice. All shipments are F.O.B. point of origin. Multiquip's responsibility ceases when a signed manifest has been obtained from the carrier, and any claim for shortage or damage must be settled between the consignee and the carrier.

MINIMUM ORDER

The minimum charge for orders from Multiquip is \$15.00 net. Customers will be asked for instructions regarding handling of orders not meeting this requirement.

RETURNED GOODS POLICY

Return shipments will be accepted and credit will be allowed, subject to the following provisions:

1. A Returned Material Authorization must be approved by Multiquip prior to shipment.
2. To obtain a Return Material Authorization, a list must be provided to Multiquip Parts Sales that defines item numbers, quantities, and descriptions of the items to be returned.
 - a. The parts numbers and descriptions must match the current parts price list.
 - b. The list must be typed or computer generated.
 - c. The list must state the reason(s) for the return.
 - d. The list must reference the sales order(s) or invoice(s) under which the items were originally purchased.
 - e. The list must include the name and phone number of the person requesting the RMA.
3. A copy of the Return Material Authorization must accompany the return shipment.
4. Freight is at the sender's expense. All parts must be returned freight prepaid to Multiquip's designated receiving point.

5. Parts must be in new and resalable condition, in the original Multiquip package (if any), and with Multiquip part numbers clearly marked.
6. The following items are not returnable:
 - a. Obsolete parts. (If an item is in the price book and shows as being replaced by another item, it is obsolete.)
 - b. Any parts with a limited shelf life (such as gaskets, seals, "O" rings, and other rubber parts) that were purchased more than six months prior to the return date.
 - c. Any line item with an extended dealer net price of less than \$5.00.
 - d. Special order items.
 - e. Electrical components.
 - f. Paint, chemicals, and lubricants.
 - g. Decals and paper products.
 - h. Items purchased in kits.
7. The sender will be notified of any material received that is not acceptable.
8. Such material will be held for five working days from notification, pending instructions. If a reply is not received within five days, the material will be returned to the sender at his expense.
9. Credit on returned parts will be issued at dealer net price at time of the original purchase, less a 15% restocking charge.
10. In cases where an item is accepted, for which the original purchase document can not be determined, the price will be based on the list price that was effective twelve months prior to the RMA date.
11. Credit issued will be applied to future purchases only.

PRICING AND REBATES

Prices are subject to change without prior notice. Price changes are effective on a specific date and all orders received on or after that date will be billed at the revised price. Rebates for price declines and added charges for price increases will not be made for stock on hand at the time of any price change.

Multiquip reserves the right to quote and sell direct to Government agencies, and to Original Equipment Manufacturer accounts who use our products as integral parts of their own products.

SPECIAL EXPEDITING SERVICE

A \$35.00 surcharge will be added to the invoice for special handling including bus shipments, insured parcel post or in cases where Multiquip must personally deliver the parts to the carrier.

LIMITATIONS OF SELLER'S LIABILITY

Multiquip shall not be liable hereunder for damages in excess of the purchase price of the item with respect to which damages are claimed, and in no event shall Multiquip be liable for loss of profit or good will or for any other special, consequential or incidental damages.

LIMITATION OF WARRANTIES

No warranties, express or implied, are made in connection with the sale of parts or trade accessories nor as to any engine not manufactured by Multiquip. Such warranties made in connection with the sale of new, complete units are made exclusively by a statement of warranty packaged with such units, and Multiquip neither assumes nor authorizes any person to assume for it any other obligation or liability whatever in connection with the sale of its products. Apart from such written statement of warranty, there are no warranties, express, implied or statutory, which extend beyond the description of the products on the face hereof.

Effective: February 22, 2006

[illegible]

PARTS MANUAL

HERE'S HOW TO GET HELP

PLEASE HAVE THE MODEL AND SERIAL
NUMBER ON-HAND WHEN CALLING

UNITED STATES

Multiquip Corporate Office

18910 Wilmington Ave.
Carson, CA 90746
Contact: mq@multiquip.com

Tel. (800) 421-1244
Fax (310) 537-3927

Service Department

800-421-1244
310-537-3700

Technical Assistance

800-478-1244 Fax: 310-943-2238

MQ Parts Department

800-427-1244 Fax: 800-672-7877
310-537-3700

Warranty Department

800-421-1244 Fax: 310-943-2249
310-537-3700

CANADA

Multiquip

4110 Industriel Boul.
Laval, Quebec, Canada H7L 6V3
Contact: infocanda@multiquip.com

Tel: (450) 625-2244
Tel: (877) 963-4411
Fax: (450) 625-8664

UNITED KINGDOM

Multiquip (UK) Limited Head Office

Unit 2, Northpoint Industrial Estate, Tel: 0161 339 2223
Globe Lane, Fax: 0161 339 3226
Dukinfield, Cheshire SK16 4UJ
Contact: sales@multiquip.co.uk

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This manual MUST accompany the equipment at all times. This manual is considered a permanent part of the equipment and should remain with the unit if resold.

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