

OPERATION AND PARTS MANUAL



MODELS

**DA7000SS-DA7000SSA
DA700SSW-DA7000WGH**

PORTABLE GENERATORS (KUBOTA Z482 SERIES DIESEL ENGINES)

Revision #5 (01/20/11)



THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

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NOTICE

Specifications and part numbers are subject to change without notice.

KUBOTA Z482-EB/E2B/E3B Diesel Engines

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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

DA7000 SERIES GENERATORS WITH KUBOTA Z482-EB/Z482-E2B/ Z482-E3B DIESEL ENGINES

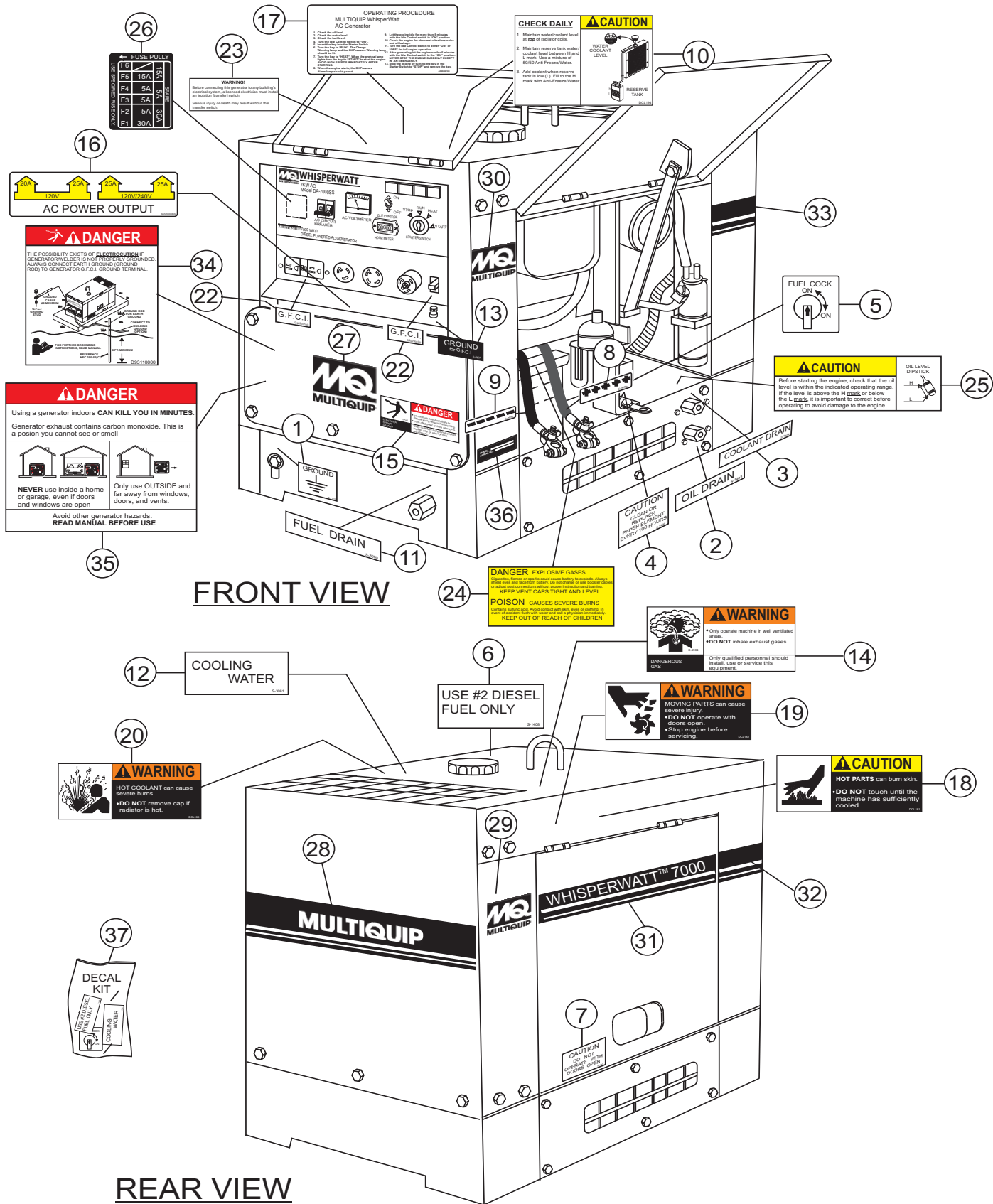
1 to 3 units

Qty.	P/N	Description
5.....	1556211010.....	AIR FILTER
5.....	7000011221.....	AIR FILTER, ELEMENT
5.....	1523143560.....	FUEL FILTER
5.....	7000015241.....	OIL FILTER CARTRIDGE, Z482-EB/Z482-E2B ENGINES
5.....	1585332435.....	OIL FILTER, CARTRIDGE, Z482-E3B ENGINE
2.....	1980572531.....	FAN BELT
1.....	3741059110.....	STARTER SWITCH
5.....	3741055150.....	IGNITION KEY
1.....	1584139010.....	OIL SENDING UNIT, Z482-EB ENGINE
1.....	1584139013.....	OIL SENDING UNIT, Z482-E2B/Z482-E3B ENGINES
1.....	D2312500103.....	RADIATOR HOSE (UPPER)
1.....	D2312500003.....	RADIATOR HOSE (LOWER)
1.....	0810105800.....	FUEL CAP
1.....	0601842463.....	RESISTOR
1.....	0602201378.....	REGULATOR
1.....	0601807456.....	CIRCUIT BREAKER
1.....	0601827350.....	CONTROL UNIT
2.....	0601810830.....	BULB, INDICATOR ASSY.
3.....	0601806640.....	FUSE, 65 AMP
4.....	1685165510.....	GLOW PLUG, Z482-EB ENGINE
4.....	1685165512.....	GLOW PLUG, Z482-E2B/Z482-E3B ENGINES
2.....	1554383040.....	SWITCH, WATER TEMP., Z482-EB ENGINE
2.....	1753883040.....	SWITCH, WATER TEMP., Z482-E2B/Z482-E3B ENGINES

NOTICE

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

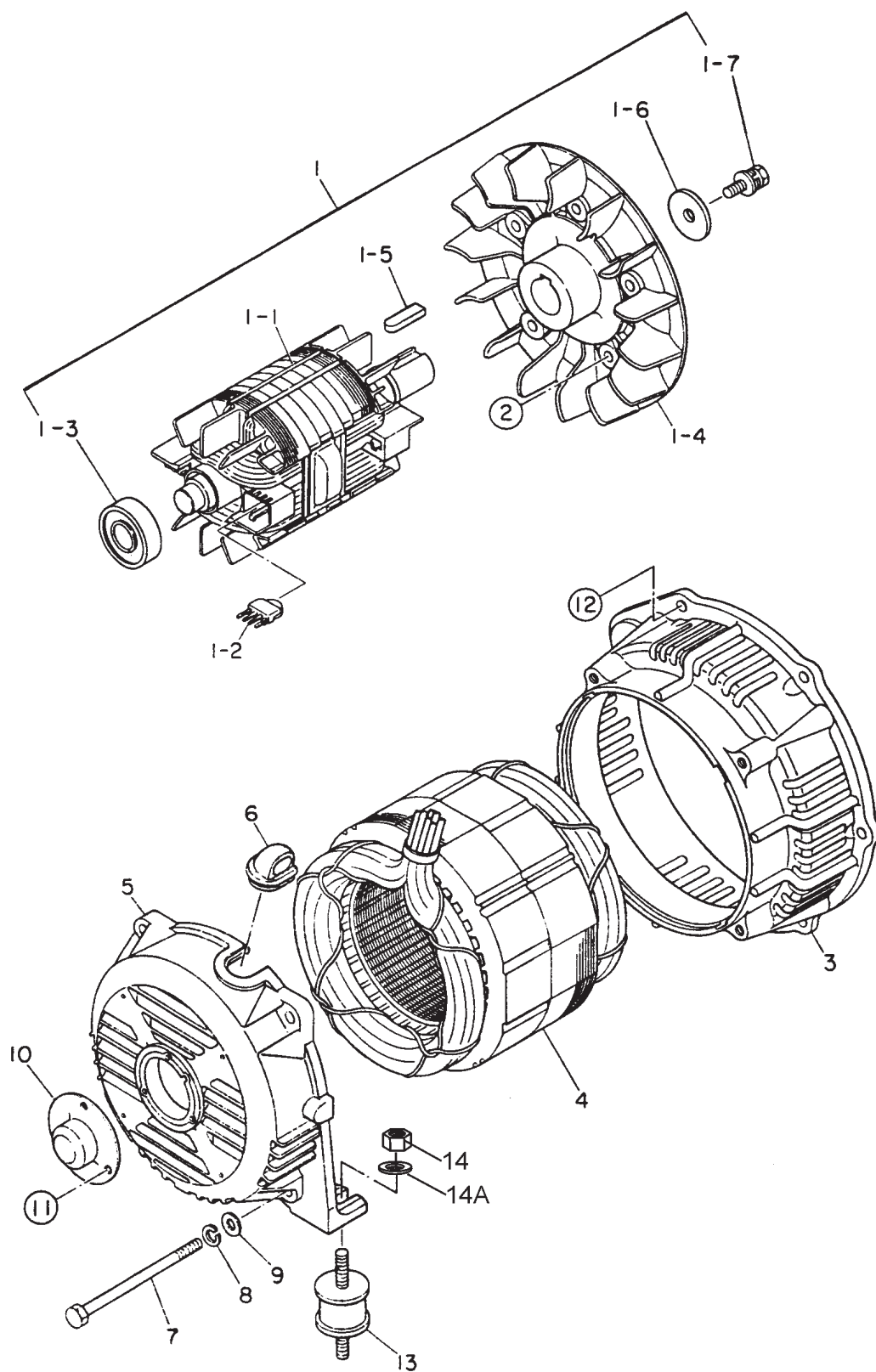
NAMEPLATE AND DECALS ASSY.



NAMEPLATE AND DECALS ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	0800628504	DECAL: GROUND	1.....	S1123
2#	1630645004	DECAL: OIL DRAIN	1.....	S1403
3#	1630647004	DECAL: COOLANT DRAIN.....	1.....	S1404
4#	1630610404	DECAL: CAUTION (PAPER ELEMENT)	1.....	S1406
5#	1630680104	DECAL: FUEL COCK.....	1.....	S1407
6#	1630680004	DECAL: USE 2 DIESEL FUEL ONLY	1.....	S1408
6#	B9504501204	DECAL: DIESEL FUEL	1.....	B90450120 — DA7000SSA
7#	1630610504	DECAL: CAUTION (DOORS OPEN)	2.....	S1409
8#	0600689404	DECAL: BATTERY POSITIVE	1.....	S2090
9#	0800689504	DECAL: BATTERY NEGATIVE	1.....	S2091
10#	6390671104	DECAL: IMPORTANT CHECK DAILY	1.....	S2377
11#	7810680104	DECAL: FUEL DRAIN.....	1.....	S3060
12#	7810680204	DECAL: COOLING WATER	1.....	S3061
13#	8700611603	DECAL: GROUND FOR G. F. C. I.	1.....	S3821REPLACESP/N7670624004
14#	8700611804	DECAL: WARNING DANGEROUS GAS	1.....	S4984
15#	8700611904	DECAL: DANGER ELECT. SHOCK HAZ.....	1.....	S4985
16#	A5552000003	DECAL: AC POWER OUTPUT	1.....	A55200000
16#	A5552000013	DECAL: AC POWER OUTPUT	1.....	A55200001 — DA7000SSA
17#	A5552000103	DECAL: OPERATING PROCEDURE	1.....	A55200010
17#	A5552000113	DECAL: OPERATING PROCEDURE	1.....	A55200011 — DA7000SSA
18#	B9504000304	DECAL: CAUTION HOT PARTS	1.....	B90400030
19#	B9504000404	DECAL: WARNING MOVING PARTS	2.....	B90400040
20#	B9504100104	DECAL: WARNING HOT COOLANT	1.....	B90410010
21#	B9504500004	DECAL: WARNING DIESEL FUEL	1.....	B90450000
22#	7670624004	DECAL: G. F. C. I.....	2.....	D92200100
22#	D9522001004	DECAL: G. F. C. I.....	2.....	D92200100 — DA7000SSA
23#	0820610404	DECAL: WARNING (TRANSFER SWITCH)	1	
24#	0820650604	DECAL: DANGER EXPLO GASES (BATT.)	1	
25#	8700611524	DECAL: CAUTION OIL LEVEL GAUGE	1	
25#	B9505000304	DECAL: CAUTION OIL LEVEL GAUGE	1.....	B90500030 — DA7000SSA
26#	8700625504	DECAL: FUSE BOX	1	
27#	A556200004	DECAL: MQ	1.....	A56200000
28#	A5562100003	DECAL: STRIPE MULTIQUIP	1.....	A56210000
29#	A5562100104	DECAL: STRIPE MQ	1.....	A56210010
30#	A5562100204	DECAL: STRIPE MQ	1.....	A56210020
31#	A5562100303	DECAL: STRIPE WHISPERWATT	2.....	A56210030
32#	A5562100404	DECAL: STRIPE	1.....	A56210040
33#	A5562100504	DECAL: STRIPE	1.....	A56210050
34	D9531100004	DECAL: DANGER GROUNDING.....	1.....	D93110000
35	A9504000014	DECAL: DANGER HAZARDOUS FUMES.....	1.....	A90400001
36		PLATE, SERIAL NO.....	1.....	CONTACT MQ PARTS DEPT. WITH MODEL AND S/N
37	DCLDA7000SS	KIT, DECAL.....	1.....	INCLUDES ITEMS W/#

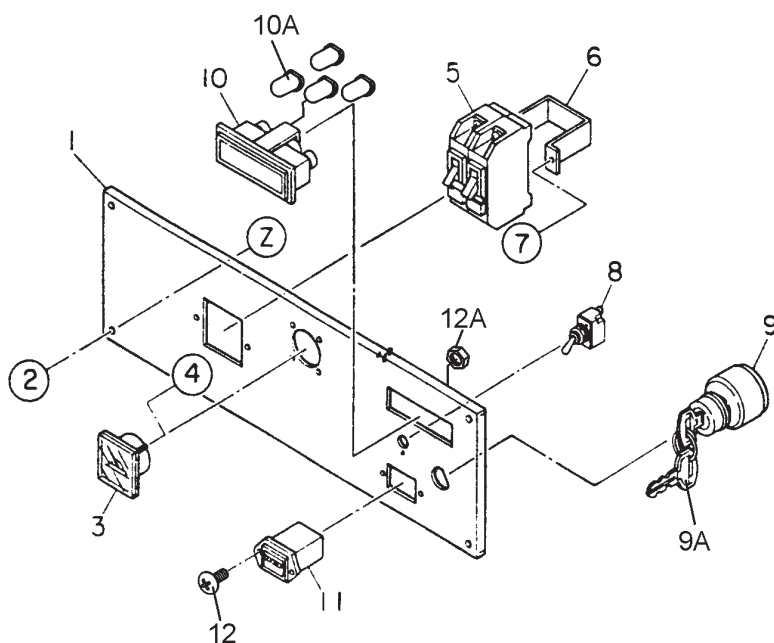
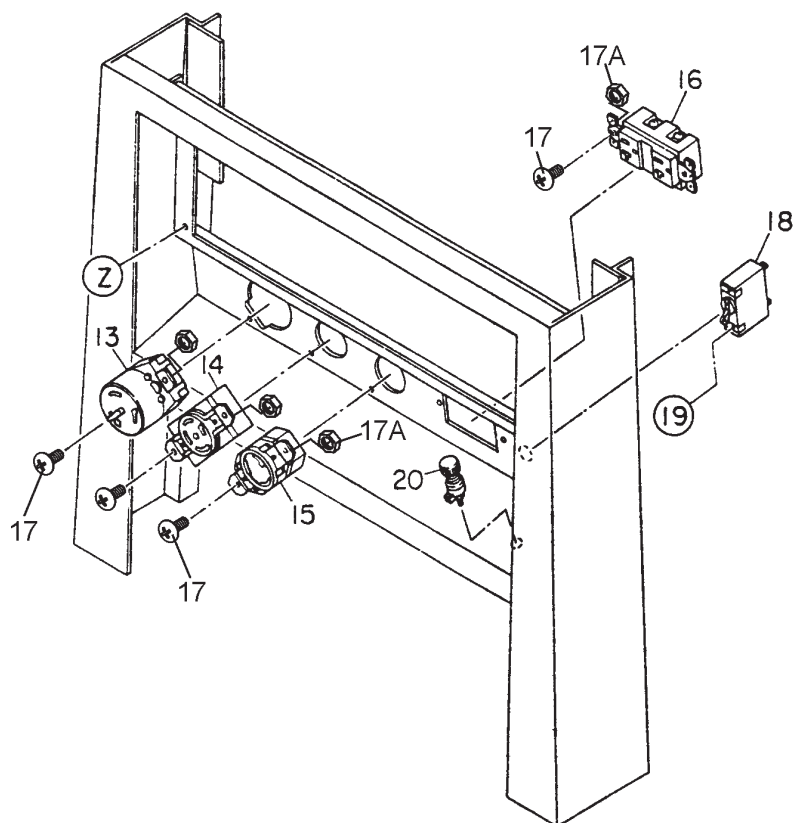
GENERATOR ASSY.



GENERATOR ASSY.

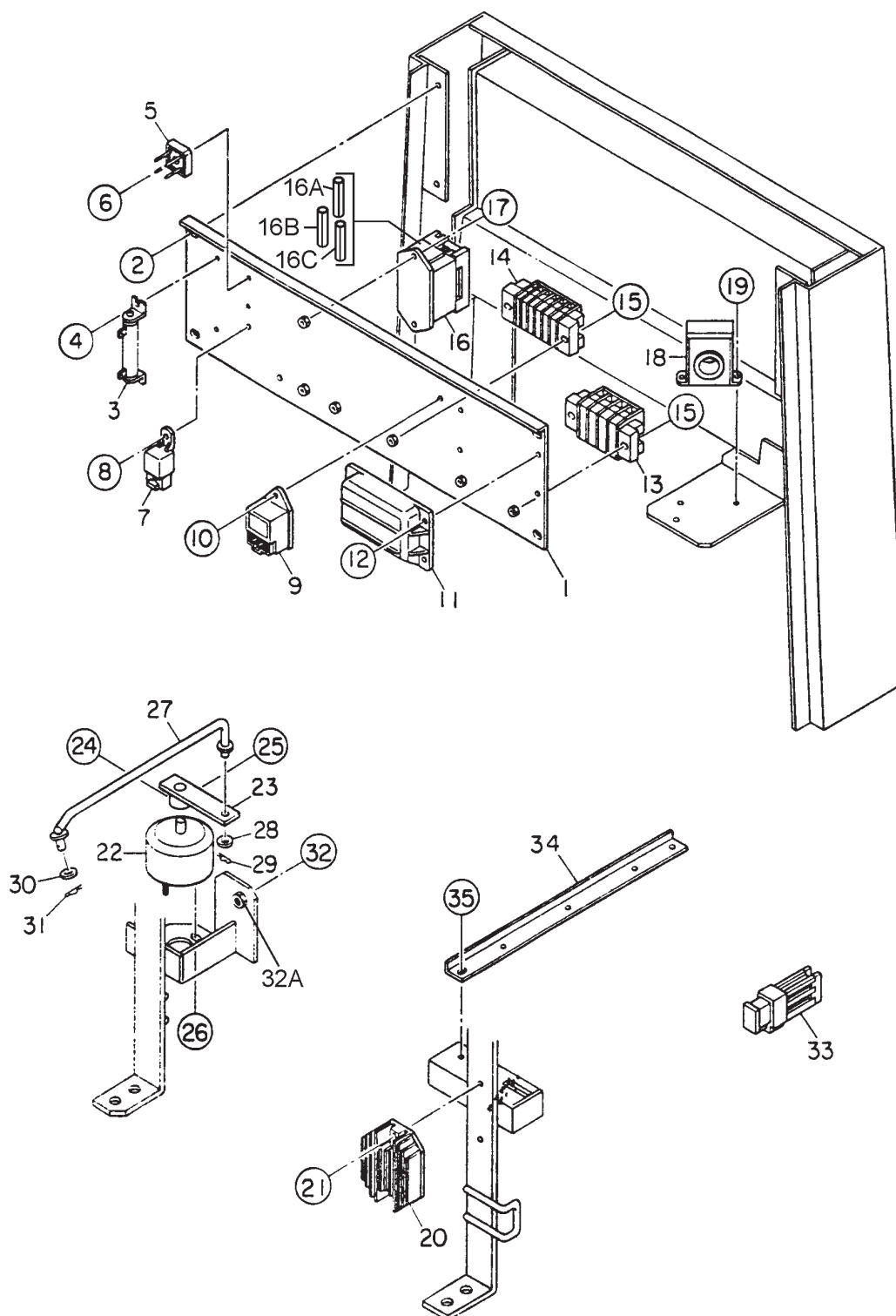
<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	A5110100003	ROTOR ASSY.	1.....	INCLUDES ITEMS W/#
1-1#	A5116000103	FIELD ASSY.	1	
1-2#	7871025004	RECTIFIER ASSY.	2	
1-3#	042006304	BEARING 6304 DOU.....	1.....	REPLACES 0071206304
1-4#	A5113100002	FAN	1	
1-5#	0171707033	KEY	1	
1-6#	1991072004	SET WASHER FAN	1	
1-7#	0012308020	HEX HEAD BOLT	1	
2	011208025	HEX HEAD BOLT.....	5.....	REPLACES 0012308025
3	A515510002	END BRACKET	1	
4	A5136000103	ARMATURE ASSY.	1	
5	A6155000002C	END BRACKET	1.....	REPLACES A6155000002
6	7871329514	GROMMET	1	
7	7901316004	SET BOLT	4	
8	0040008000	WASHER, LOCK	4	
9	031108160	WASHER, FLAT	4.....	REPLACES 0041206000
10	A6155400104C	COVER	1.....	REPLACES A6155400104
11	0027106012	MACHINE SCREW	3	
11	0027105012	MACHINE SCREW	3.....	DA7000SSA
12	0012308020	HEX HEAD BOLT	6	
13	0805084704	RUBBER SUSPENSION	2	
14	020108060	HEX NUT	2.....	REPLACES 0207006000
14A	0801086104	WASHER, FLAT	2	

CONTROL PANEL ASSY.



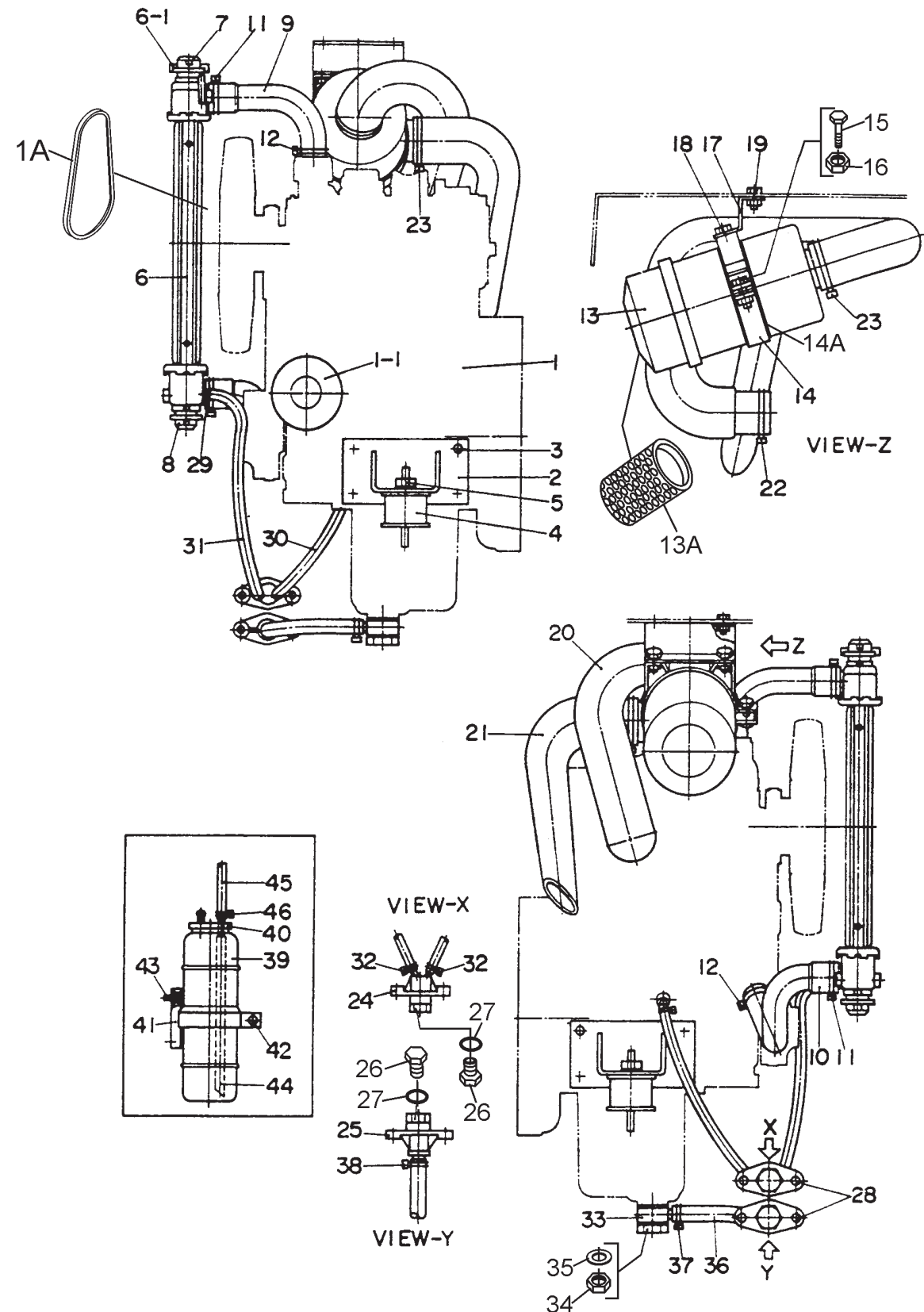
CONTROL PANEL ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	A5225000303	CONTROL PANEL	1	
1	A5511302402	CONTROL PANEL	1	DA7000SSA
2	0021805020	MACHINE SCREW	4	
3	0601800258	AC VOLTMETER, 120/240	1	
4	0207003000	HEX NUT	2	
5	0601807456	CIRCUIT BREAKER, KM52 265V 25A	1	
6	4341817004	BRACKET CIRCUIT BREAKER	1	
7	0021004016	MACHINE SCREW	2	
8	0601830771	IDLE CONTROL SWITCH	1	
9	1628663602	STARTER SWITCH	1	REPLACES 0602100077
9A	3741055150	IGNITION, KEY		
10	0601810523	INDICATOR ASSY.	1	
10A	0601810830	BULB	4	
11	0601800682	HOUR METER 820114	1	
12	0027403512	MACHINE SCREW	2	
12A	0030003500	HEX NUT	2	
13	0601811034	RECEPTACLE CS6369 125 250V 50A.....	1	REPLACES 0601812566
14	0601812529	RECEPTACLE, L14- 30R 125V 30A	1	
15	0601811031	RECEPTACLE, L5-30R 125V 30A.....	1	REPLACES 0601811035
16	0601812597	RECEPTACLE, 5-20R 120V 20A.....	1	REPLACES 0601812598
17	0021004010	MACHINE SCREW	8	
17A	0030004000	HEX NUT	8	REPLACES 0207004000
18	0601806420	CIRCUIT PROTECTOR, AC 250V 20A	1	
19	0027103005	MACHINE SCREW	2	
20	0601815109	GROUND TERMINAL	1	



ELECTRIC PARTS ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	A5262500203	BRACKET ELECTRIC PARTS	1	
2	0016906016	HEX HEAD BOLT	4	
3	0601842463	RESISTOR, 30W 10 OHM	1	
4	0027104012	MACHINE SCREW	2	
5	0601823204	RECTIFIER, S5VB60	2	
6	0027103020	MACHINE SCREW	2	
7	0601823754	RELAY	1	
8	0027105016	MACHINE SCREW	1	
9	1569465990	LAMP TIMER	1	REPLACES 0602201273
10	0017105016	HEX HEAD BOLT	1	
11	1747260604	EMERGENCY UNIT	1	REPLACES 0602200475
12	0017105025	HEX HEAD BOLT	4	
13	0601815731	TERMINAL BOARD	1	
14	0601815759	TERMINAL BOARD	1	
15	0027105020	MACHINE SCREW	4	
16	8701899004	FUSE BOX	1	
16A	0601806642	FUSE, 5A	4	
16B	0601806643	FUSE, 15A	2	
16C	0601806644	FUSE, 30A	2	
17	0027105020	MACHINE SCREW	2	
18	0601827350	CONTROL UNIT	1	
19	0027104010	MACHINE SCREW	2	
20	1584464600	REGULATOR	1	REPLACES 1584464601
21	0017105025	HEX HEAD BOLT	2	
22	16226361032	ROTARY SOLENOID	1	REPLACES 1620150404
23	1992636004	ARM SOLENOID	1	
24	0050403020	SPRING PIN	1	
25	16226361032	HEX HEAD BOLT	1	REPLACES 0010106025
25A	0030006000	HEX NUT	1	REPLACES 0030006000
26	0207206000	HEX NUT	2	
27	D235630004	GOVERNOR ROD	1	
28	031108160	WASHER, FLAT	1	REPLACES 0041608000
29	0605010503	SNAP PIN	1	
30	0042806000	WASHER, FLAT	1	
31	505015300	SNAP PIN	1	REPLACES 0605010502
32	0010108050	HEX HEAD BOLT	1	
33A	020108060	HEX NUT	1	REPLACES 0207008000
33	0601806640	FUSE, 65A	1	
34	A5485500004	GUIDE	1	
35	0016906016	HEX HEAD BOLT	2	



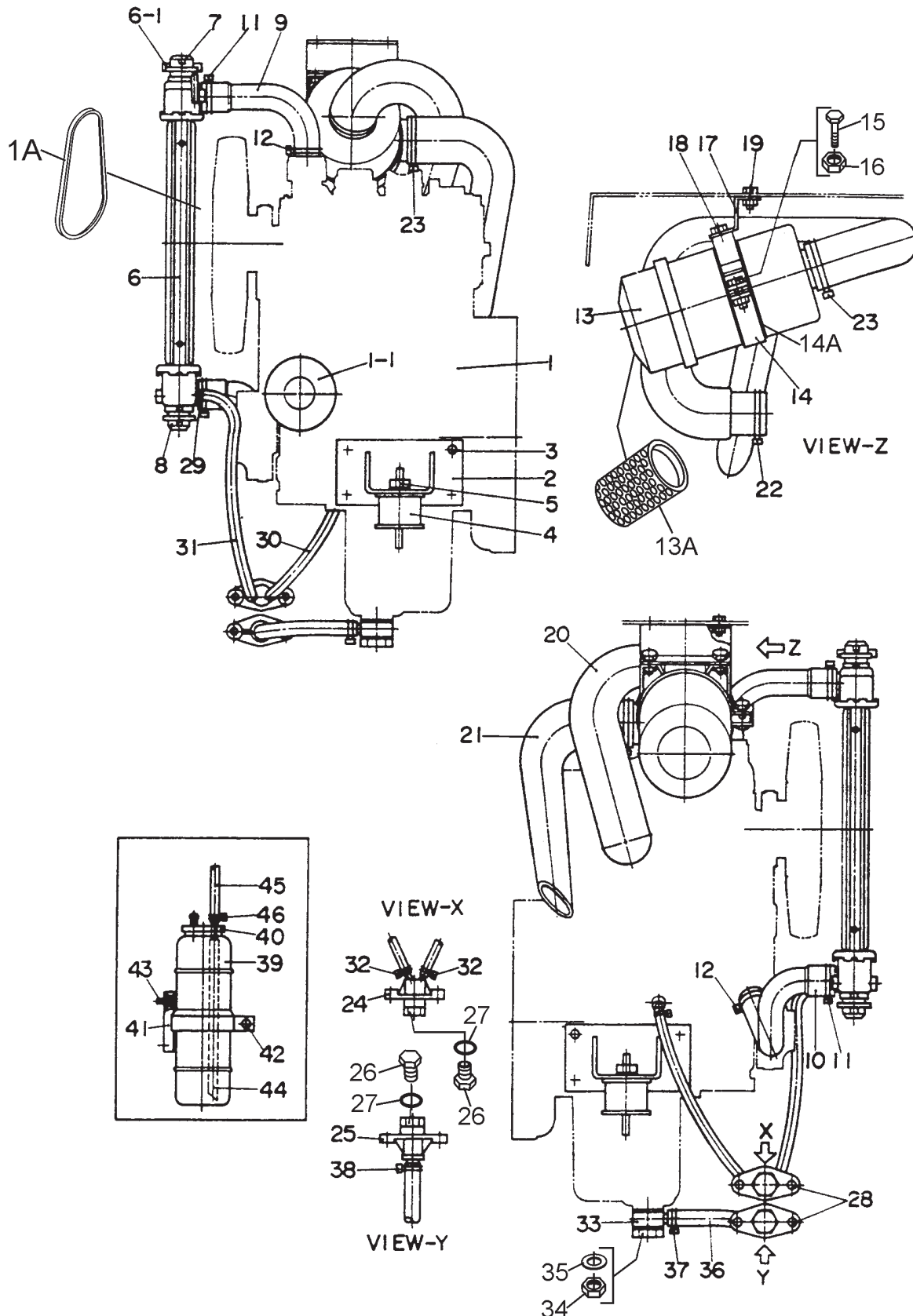
ENGINE AND RADIATOR ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	A5925200004	ENGINE, Z482EB	1	DA7000SS
1	A5924200004	ENGINE, Z482E2BDGDE2	1	DA7000SS
1	A5924200094	ENGINE, Z482E3BDGDE2	1	DA7000SSA
1A	1980572531	FAN BELT	1	REPLACES P/N 0602011477
1-1	7000015241	CARTRIDGE OIL FILTER	1	REPLACES P/N's 1584132430 AND 0602041271
1-1	1585332435	CARTRIDGE OIL FILTER	1	Z482-E3B ENGINE
2	8745112003	ENGINE FOOT	2	
3	0012410020	HEX HEAD BOLT	8	
4	7085419004	RUBBER SUSPENSION	2	
5	0207010000	HEX NUT	2	
6	0602012750	RADIATOR	1	INCLUDES ITEM W/#
6	0602012795	RADIATOR	1	INCLUDES ITEM W/% DA7000SSA
6-1#	0602011074	CAP RADIATOR	1	
6-1%	0602011079	CAP RADIATOR	1	DA7000SSA
7	8702014004	INSULATOR	2	DA7000SS-DA7000SSW ONLY
8	0605000460	RUBBER MOUNT	2	
9	D2312500103	RADIATOR HOSE	1	
10	D2312500003	RADIATOR HOSE	1	
11	0605515111	HOSE BAND, Ø34	2	
11	0605515134	HOSE BAND HS-16	2	DA7000SSA
12	0605515003	HOSE BAND, Ø30	2	
13	1556211010	FILTER AIR CLEANER ASSY.	1	REPLACES P/N 0602046265
13A	7000011221	ELEMENT AIR CLEANER	1	REPLACES P/N's 0602046374, 1556211081
14	3415013960	BAND	1	
14A	0222600340	RUBBER CUSHION	1	
15	0016908030	HEX HEAD BOLT	1	
16	0207008000	HEX NUT	1	
17	8742031004	BRACKET AIR CLEANER	1	
18	0016908020	HEX HEAD BOLT	2	
19	0016906016	HEX HEAD BOLT	2	
20	8742032003	HOSE AIR CLEANER	1	
21	1612036203	HOSE AIR CLEANER	1	
22	0605515006	HOSE BAND, Ø50	1	
23	0605515021	HOSE BAND, Ø55	2	
24	1622014103	DRAIN JOINT WATER	1	
25	1502025103	DRAIN JOINT OIL	1	

NOTICE

For Tier II white units air cleaner assy., See Kubota engine section in this manual.

ENGINE AND RADIATOR ASSY.

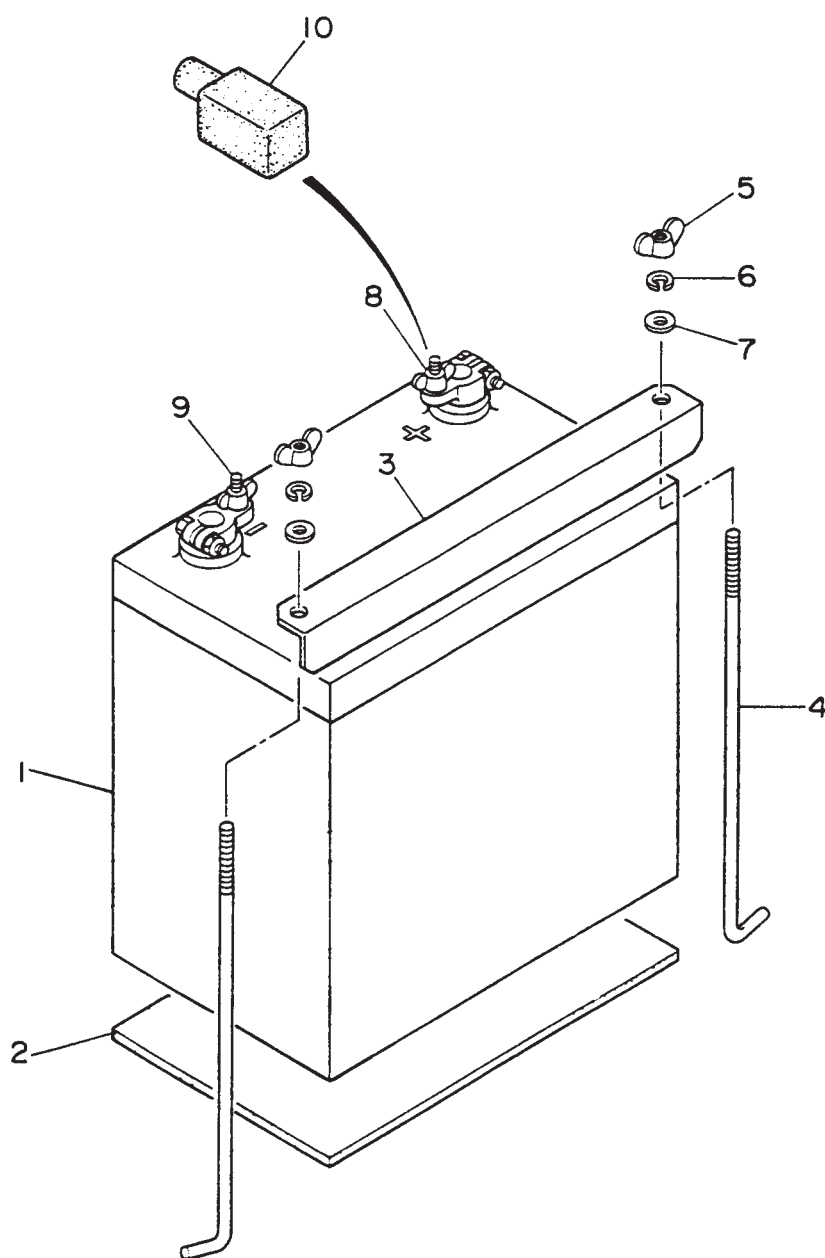


ENGINE AND RADIATOR ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
26	0802011104	PLUG	2	
27	0150000018	O-RING A P18	2	
28	0016906016	HEX HEAD BOLT	4	
29	D2322400004	HOSE JOINT	1	
30	0199900550	DRAIN HOSE	1	
31	0199900700	DRAIN HOSE	1	
31	0199900500	DRAIN HOSE.....	1.....	DA7000SSA
32	0605515094	HOSE BAND, Ø12	4	
33	0805010004	DRAIN JOINT	1	
34	1552053004	JOINT BOLT	1	
35	0602021190	PACKING SW22	2	
36	0192200400	DRAIN HOSE	1	
37	0605515081	HOSE BAND	1	
38	0605515003	HOSE BAND, Ø27	1	
38	0605515159	HOSE BAND, Ø32	1.....	DA7000SSA
39	0802081403	RESERVE TANK	1	
40	0602081104	CAP RESERVE TANK	1	
41	1622082104	BRACKET RESERVE TANK	1	
42	0016906025	HEX HEAD BOLT	1	
43	0016906016	HEX HEAD BOLT	2	
44	7222016304	HOSE	1	
45	0199900650	HOSE	1	
45	0199900650	HOSE.....	1.....	DA7000SSA
46	0605515094	HOSE BAND, Ø12	2	

NOTICE

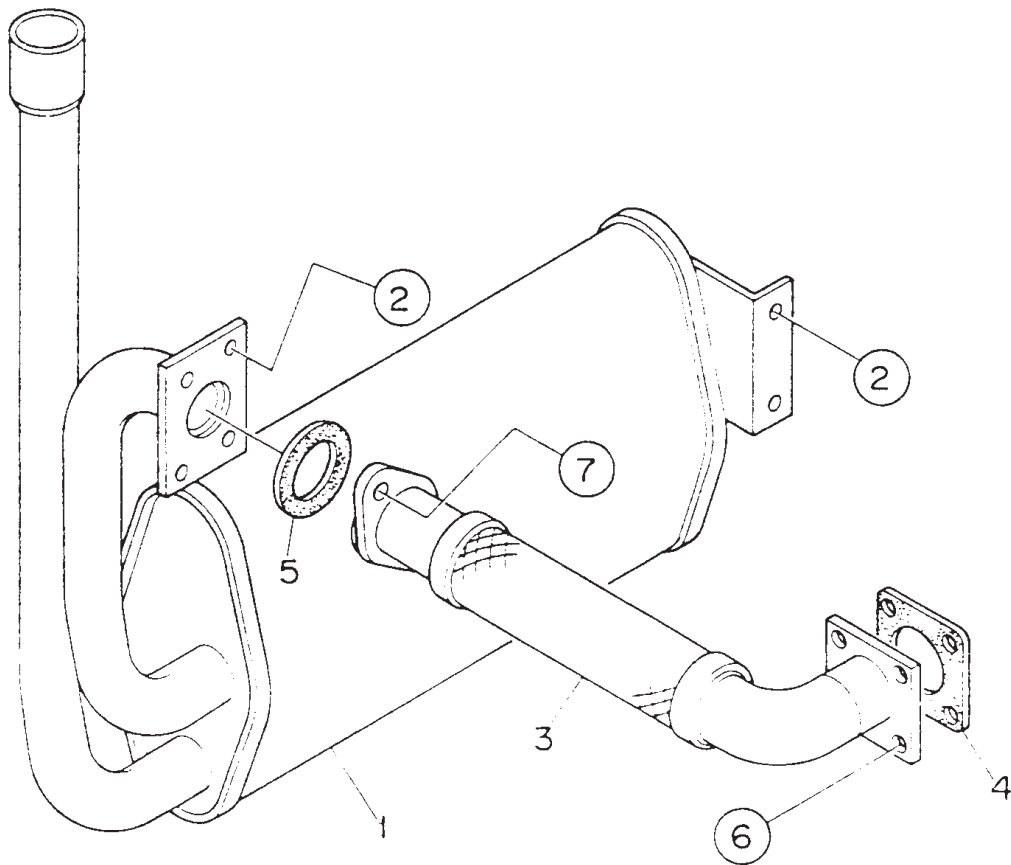
For Tier II white units Air Cleaner Assy., See Kubota engine section in this manual.



BATTERY ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	0167103820	BATTERY	1	
2	1702202104	BATTERY SHEET	1	
3	D2345200004	BATTERY BAND	1	
4	0805082704	BATTERY BOLT	2	
5	0037806000	WING NUT	2	
6	0040006000	WASHER, LOCK	2	
7	0041206000	WASHER, FLAT	2	
8	0602220310	TERMINAL ASSY. (POSITIVE)	1	
9	0602220311	TERMINAL ASSY. (NEGATIVE)	1	
10	0602220600	TERMINAL CAP	1	

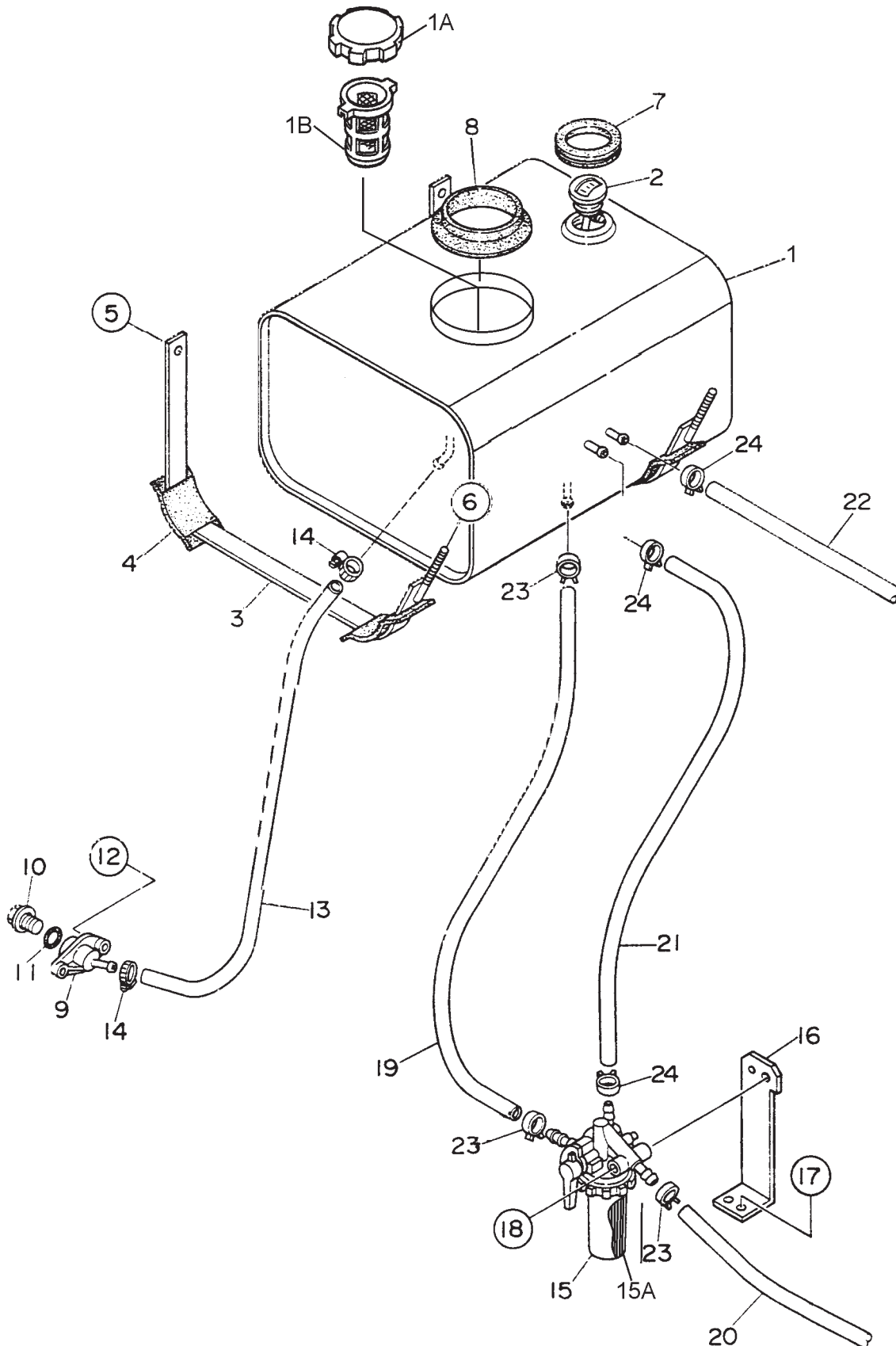
MUFFLER ASSY.



MUFFLER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	D2332100003	MUFFLER	1	
2	0016908020	HEX. HEAD BOLT	4	
3	D2335000003	EXHAUST PIPE	1	
4	1526312371	GASKET	1.....	REPLACES 1526312371
5	1502336004	GASKET	1	
6	0207008000	HEX. NUT	4	
7	0016908035	HEX. HEAD BOLT	2	

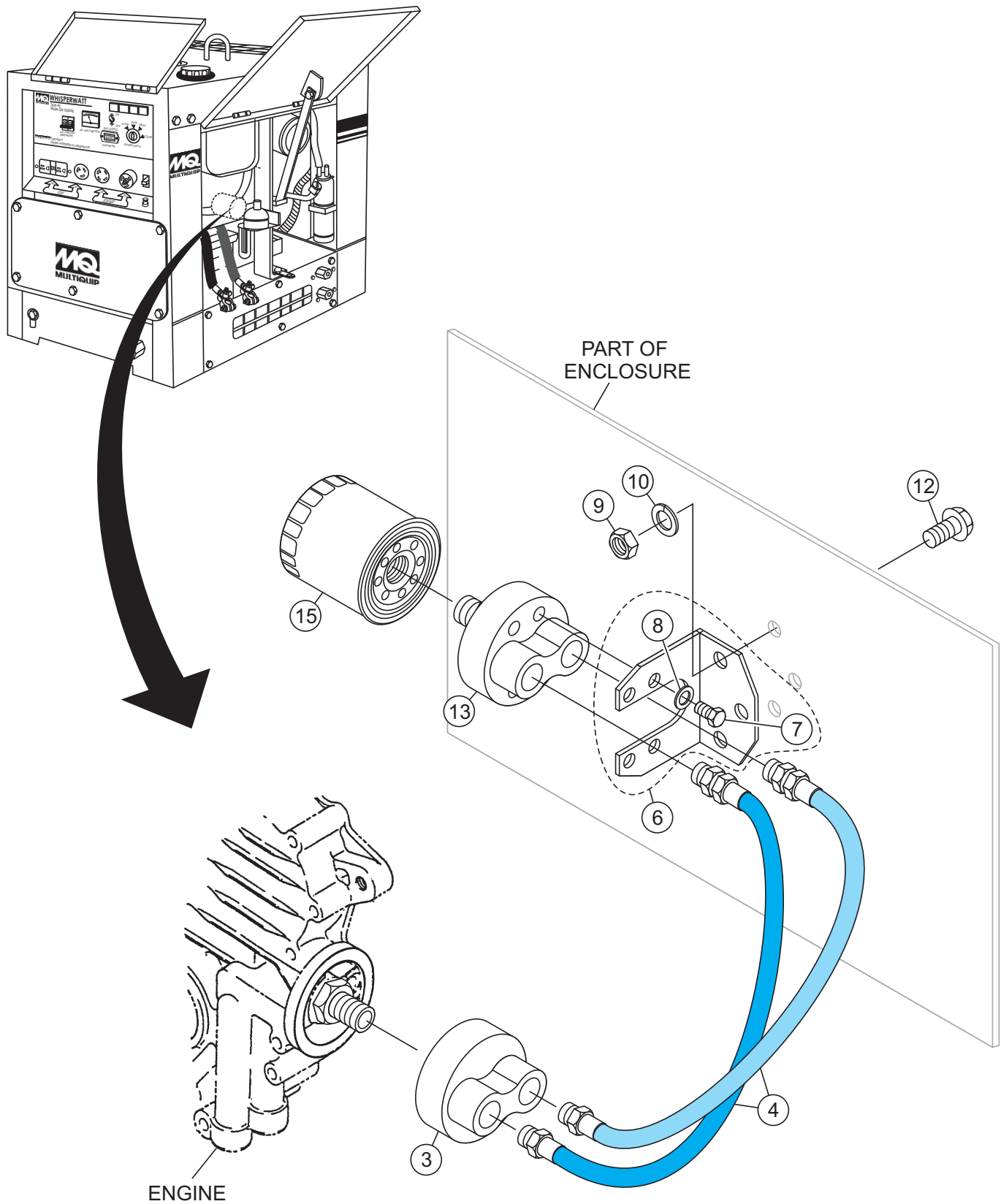
FUEL TANK ASSY.



FUEL TANK ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	D2365000013	FUEL TANK	1	
1A	0810105800	CAP, FUEL TANK	1	
1B	0810105900	FUEL FILTER	1	
2	0602125033	FUEL GAUGE	1	
3	D2365200004	TANK BAND	2	
4	0805003414	PAD, TANK BANK	4	
5	0016906016	HEX. HEAD BOLT	2	
6	0207308000	HEX. NUT	2	
7	D1490600104	RUBBER SEAL	1	
8	1615511204	RUBBER SEAL	1	
8	B9312400004A	RUBBER SEAL.....	1.....	DA7000SSA
9	7812014003	DRAIN JOINT	1	
10	0802011104	PLUG	1	
11	0150000018	O-RING A P18	1	
12	0016906016	HEX. HEAD BOLT	2	
13	0199900670	DRAIN HOSE	1	
14	0605515094	HOSE BAND F-12	2	
15	1553143010	FUEL FILTER ASSY.....	1.....	REPLACES 0602042460 AND 1553143012
15A	1523143560	ELEMENT, FUEL FILTER	1.....	REPLACES 0602042171 AND 1523143563
16	D2368700004	BRACKET, FUEL FILTER	1	
17	0016906016	HEX. HEAD BOLT	2	
18	0016908065	HEX. HEAD BOLT	1	
19	0966180240	SUCTION HOSE.....	1.....	REPLACES 0605513158
20	0966180400	SUCTION HOSE.....	1.....	REPLACES 0605513101
21	0966140320	RETURN HOSE.....	1.....	REPLACES 0605514101
22	0966140240	RETURN HOSE.....	1.....	REPLACES 0605514102
23	1491142750	HOSE BAND.....	4.....	REPLACES 0605515070
24	1024442320	HOSE BAND.....	4.....	REPLACES 0605515072

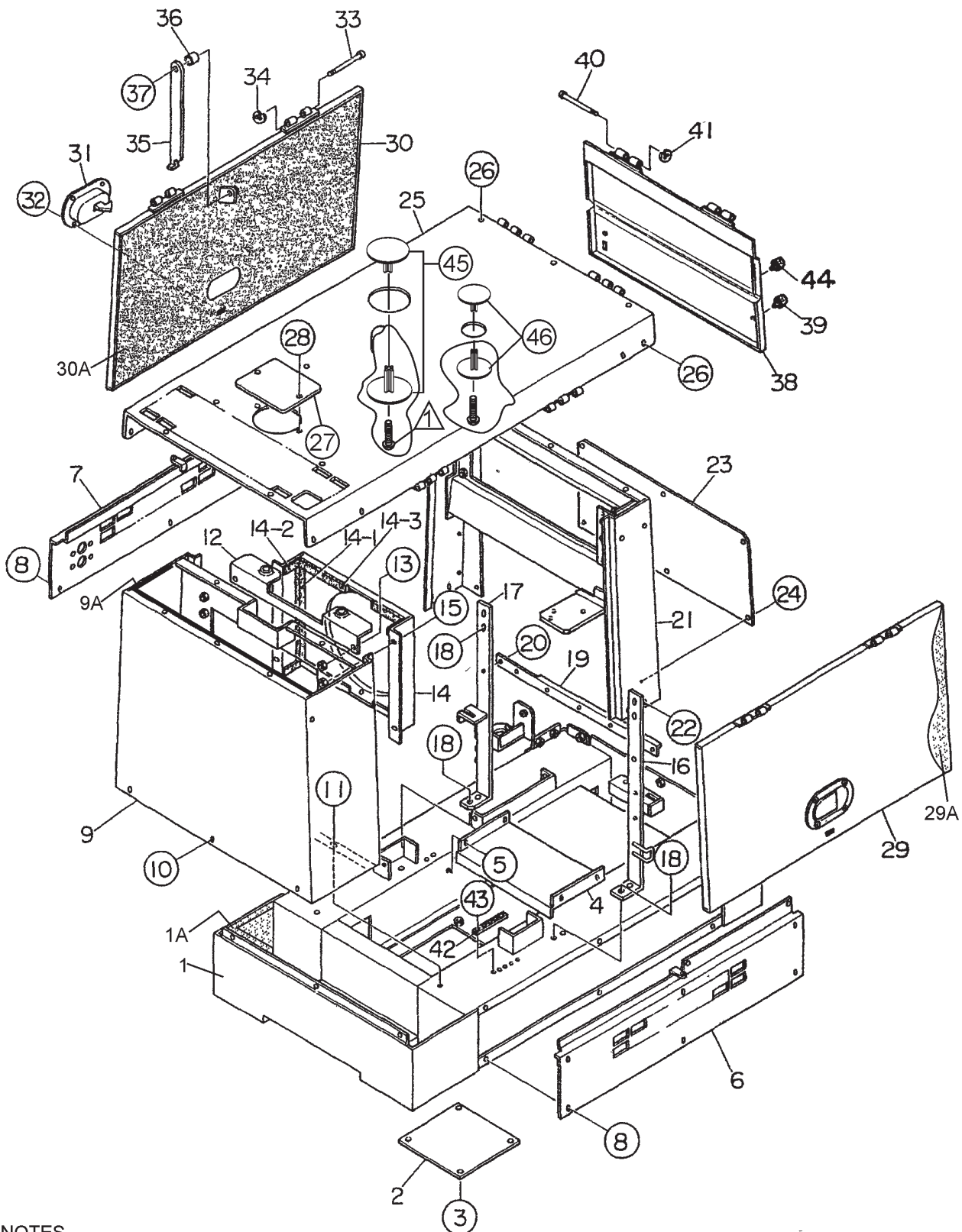
OIL FILTER RETROFIT ASSY.



OIL FILTER RETROFIT ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
3	148002003	ADAPTER FILTER	1	
4	010601000	HOSE KIT	1	
6	149149001	BRACKET	1.....	INCLUDES ITEMS W/#
7#		BOLT	4.....	NOT SOLD SEPARATELY
8#		LOCKWASHER.....	4.....	NOT SOLD SEPARATELY
9	DA7000NUT	NUT	3	
10	DA7000LOCKWASHER	LOCKWASHER	3	
12	DA7000BOLT	BOLT	3	
13	149002000	FILTERHEAD	1	
15	7000015241	SPIN-ON OIL FILTER	1	

ENCLOSURE ASSY.



NOTES

- 1 PURCHASE SHEET METAL SCREW
LOCALLY DA-7000SSGH WHITE UNITS ONLY.

ENCLOSURE ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	A5415000202	BASE	1	SEE ORDER CODE CHART BELOW
1A	D2492100004	LINING	1	
2	D2415100004	FLOOR PANEL	1	SEE ORDER CODE CHART BELOW
3	0016906016	HEX HEAD BOLT	4	
4	A5415600104	DUCT	1	SEE ORDER CODE CHART BELOW
5	0016906016	HEX HEAD BOLT	4	
6	D2455200113	SPLASHER PANEL	1	SEE ORDER CODE CHART BELOW
7	D2455200003A	SPLASHER PANEL	1	REPLACES P/N D2455200003
				SEE ORDER CODE CHART BELOW
8	0016906016	HEX HEAD BOLT	12	
9	D2425000012B	FRONT FRAME, (ORANGE UNITS)	1	REPLACES P/N D2425000012
				S/N 3757609 AND BELOW
9	D2425000022	FRONT FRAME, (WHITE UNITS)	1	S/N 3757610 AND ABOVE
9A	0220900340	RUBBER SEAL	2	
10	0016906016	HEX HEAD BOLT	3	
11	0016908020	HEX HEAD BOLT	2	
12	D2312100004	BRACKET RADIATOR	1	
13	0016906016	HEX HEAD BOLT	2	
14	D2312300013	FAN SHROUD	1	
14-1	D2492200004	LINING	1	
14-2	0221700050	LINING	4	
14-3	0221900165	LINING	4	
15	0016906016	HEX HEAD BOLT	4	
16	A5435300203	HANGER.....	1	SEE ORDER CODE CHART BELOW
17	A5435300403	HANGER.....	1	SEE ORDER CODE CHART BELOW
18	0012310025	HEX HEAD BOLT	8	
19	D2485500014	HARNESS GUIDE	1	
20	0016906016	HEX HEAD BOLT	2	
21	A5445000102	REAR FRAME, (ORANGE UNITS)	1	
21	A5445000112	REAR FRAME, (WHITE UNITS)	1	
22	0016906016	HEX HEAD BOLT	4	
23	D2445300004	COVER REAR FRAME.....	1	SEE ORDER CODE CHART BELOW
24	0016906016	HEX HEAD BOLT	6	

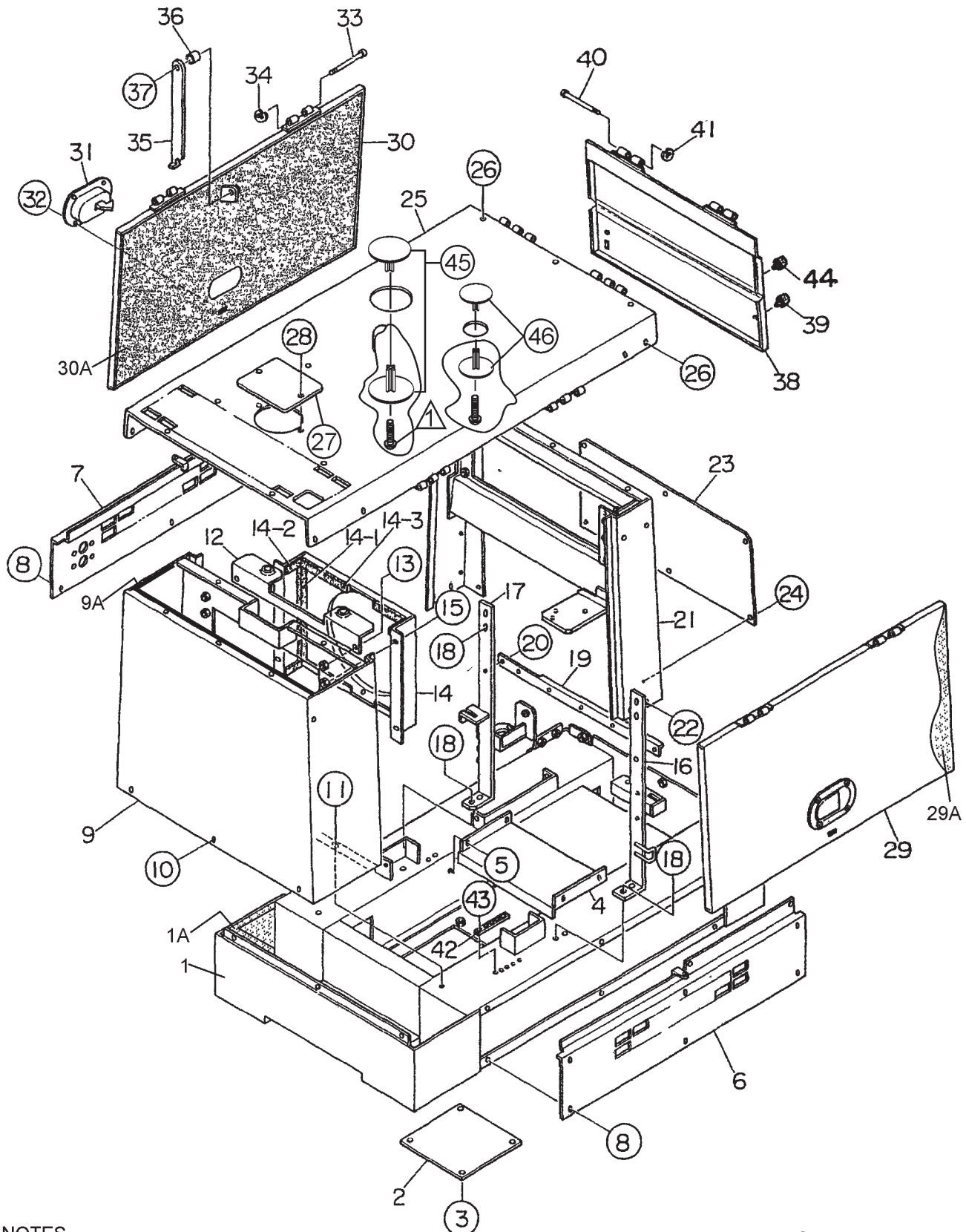
ORDER CODE CHART

THE PART NUMBER ABOVE INDICATES DEFAULT COLOR OF ORANGE. TO ORDER WITH DIFFERENT COLOR, PLEASE ADD THE FOLLOWING LETTERS WITH THE PART NUMBER:

MQW-WHITE

Unit serial number may be required

ENCLOSURE ASSY.



NOTES

ENCLOSURE ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
25	A5465000102	ROOF PANEL, (ORANGE UNITS)	1	
25	A5465000112	ROOF PANEL, (WHITE UNITS)	1	
26	0016906016	HEX HEAD BOLT	15	
27	8432081004	COVER RADIATOR CAP	1	SEE ORDER CODE CHART BELOW
28	0016906016	HEX HEAD BOLT	2	
29	D245500113	SIDE DOOR	1	
29A	A5495400704	LINING	1	
30	D2455000013	SIDE DOOR.....	1	SEE ORDER CODE CHART BELOW
30A	A5495400704	LINING, (ORANGE UNITS)	1	
30A	A5495400604	LINING, (WHITE UNITS)	1	
31	0605010215	DOOR HANDLE	2	
32	0021805016	MACHINE SCREW	8	
33	0810014704	PIN	4	
34	0080200004	SNAP RING	4	
35	D2455700004	DOOR STAY	2	
36	7835088004	COLLAR	2	
37	0016908020	HEX HEAD BOLT	2	
38	A5445200003	REAR DOOR, (ORANGE UNITS)	1	
38	A5445200013	REAR DOOR, (WHITE UNITS)	1	
39	0601851613	STOPPER	2	
40	0810014704	PIN	2	
41	0080200004	SNAP RING	2	
42	8511864604	TERMINAL PLATE	1	
43	0016906016	HEX HEAD BOLT	5	
44	0601851660	STOPPER	2	
45	97535K25	CAP, 4-INCH FUEL FILL.....	1	OPTION
46	97535K21	CAP, 3-INCH FUEL GAUGE	1	OPTION

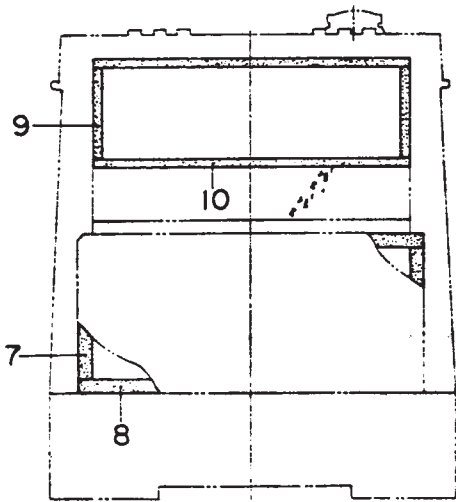
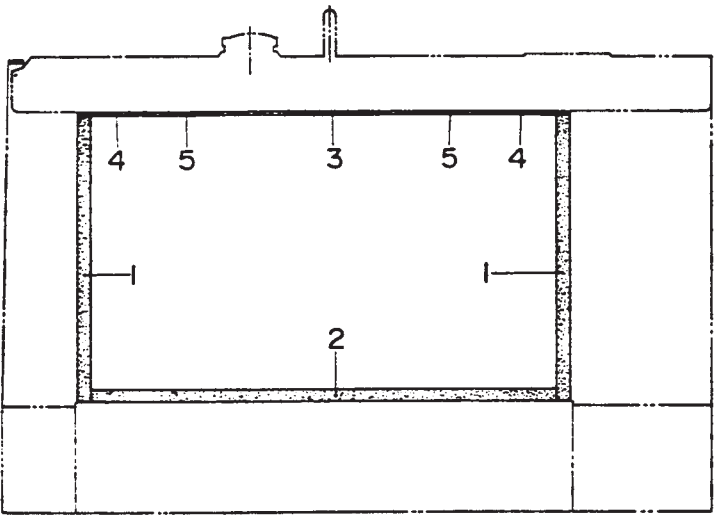
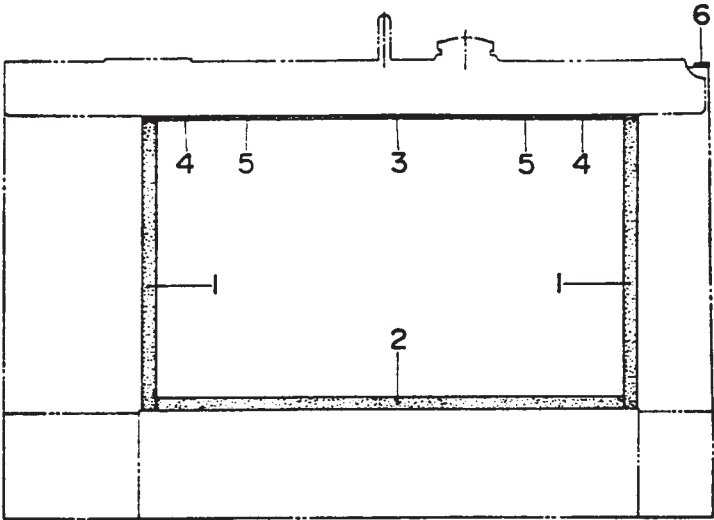
ORDER CODE CHART

THE PART NUMBER ABOVE INDICATES DEFAULT COLOR OF ORANGE. TO ORDER WITH DIFFERENT COLOR, PLEASE ADD THE FOLLOWING LETTERS WITH THE PART NUMBER:

MQW-WHITE

Unit serial number may be required

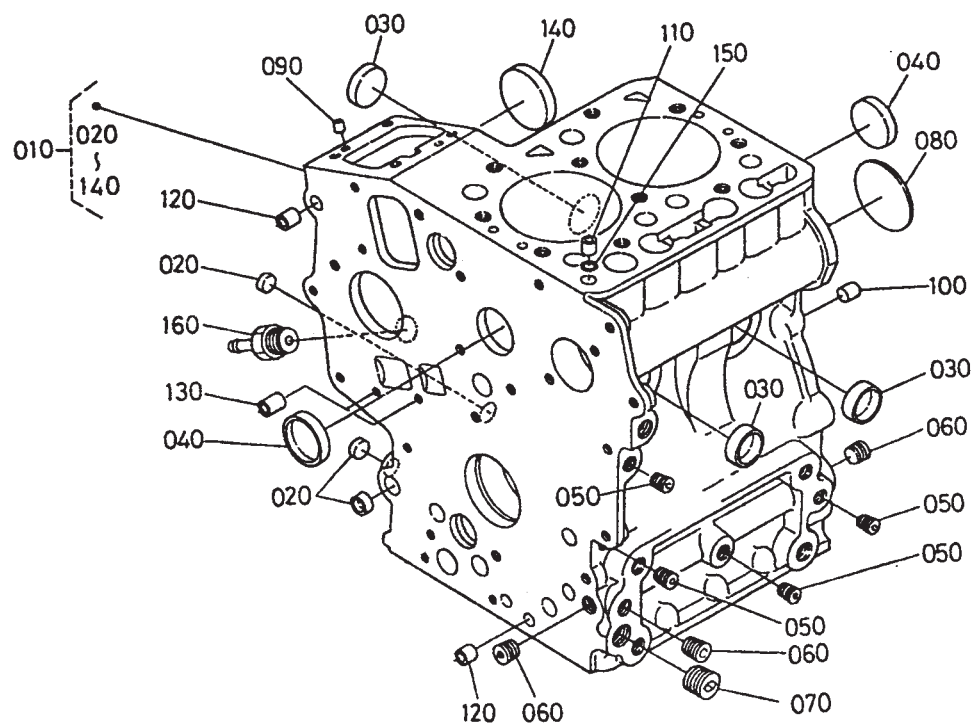
RUBBER SEALS ASSY.



RUBBER SEALS ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	0229400470	RUBBER SEAL	4	
2	0229400760	RUBBER SEAL	2	
3	0222900325	RUBBER SEAL	2	
4	0222900125	RUBBER SEAL	4	
5	0222600100	RUBBER SEAL	4	
6	0228300600	RUBBER SEAL	1	
7	0228300200	RUBBER SEAL	2	
8	0228300550	RUBBER SEAL	2	
9	0227600130	RUBBER SEAL	2	
10	0227600500	RUBBER SEAL	2	

KUBOTA Z482-EB/E2B/E3B ENGINE — CRANKCASE ASSY.

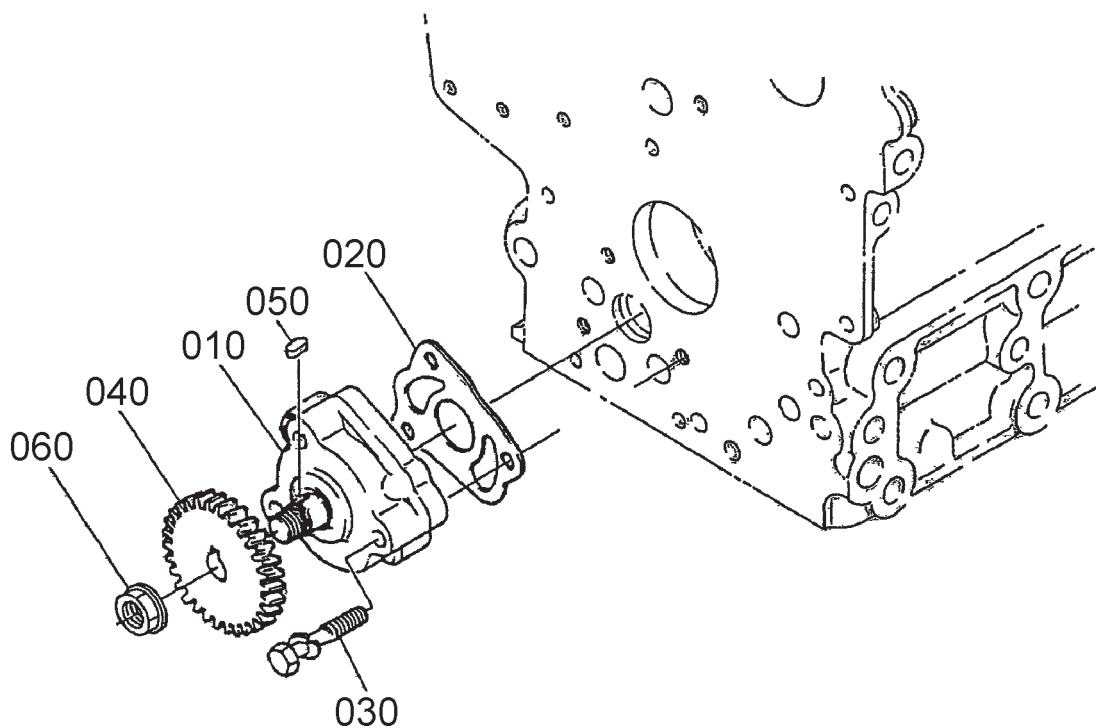


KUBOTA Z482-EB/E2B/E3B ENGINE — CRANKCASE ASSY.

CRANKCASE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685301012	COMP. CRANKCASE, Z482-EB	1.....	INCLUDES ITEMS W/\$
010	1685301017	COMP. CRANKCASE, Z482-E2B	1.....	INCLUDES ITEMS W/#
010	1685301019	COMP. CRANKCASE, Z482-E3B	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	1	
070\$#%	1552196030	PLUG	1	
080\$#%	1526196160	PLUG, EXPANSION	1	
090\$#%	0501200508	PIN, STRAIGHT	2	
100\$#%	0501200814	PIN, STRAIGHT	2	
110\$#%	1522133650	PIN, PIPE	1	
120\$#%	1523133960	PIN, PIPE	2	
130\$#%	1733159190	PIN, PIPE	2	
140\$#%	1685116212	COVER, FUEL CAMSHAFT	1	
150#	1522133700	O-RING	1.....	Z482-E2B ONLY
160\$#%	1584773130	JOINT, DRAIN PIPE	1	

KUBOTA Z482-EB/E2B/E3B ENGINE — OIL PUMP ASSY.

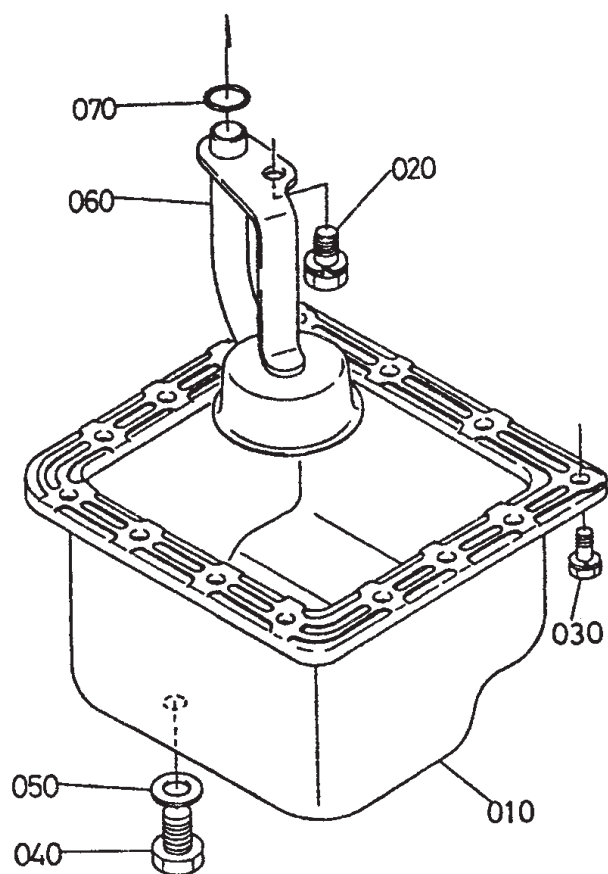


KUBOTA Z482-EB/E2B/E3B ENGINE — OIL PUMP ASSY.

OIL PUMP ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685135010	OIL PUMP ASSY.....	1.....	Z482-EB
010	1685135012	OIL PUMP ASSY.....	1.....	Z482-E2B AND Z482-E3B
020	1685135152	GASKET, OIL PUMP NA	1	
030	1584191050	BOLT	3	
040	1584135660	GEAR, OIL PUMP DRIVE	1	
050	0571200408	KEY, FEATHER	1	
060	0278350100	NUT, FLANGE	1	

KUBOTA Z482-EB/E2B/E3B ENGINE — OIL PAN ASSY.

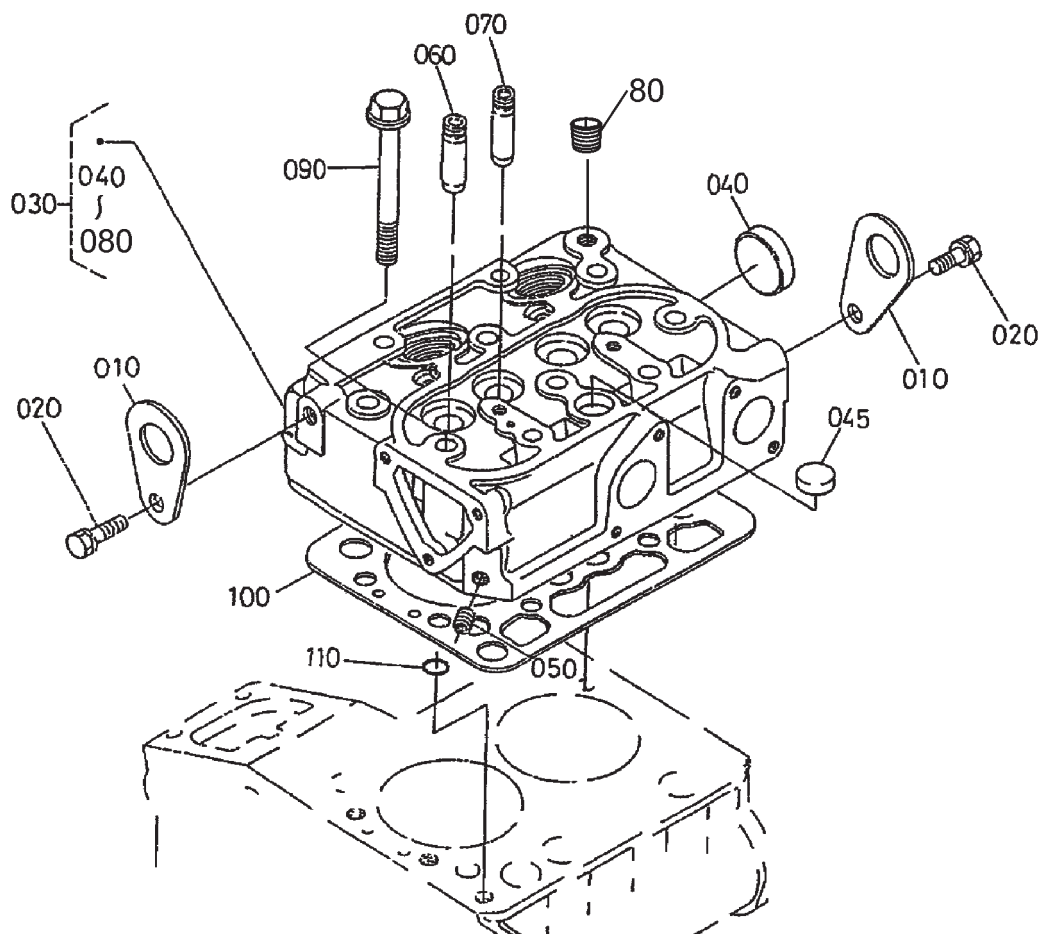


KUBOTA Z482-EB/E2B/E3B ENGINE — OIL PAN ASSY.

OIL PAN ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1756101505	COMP. OIL PAN	1	
020	0112360814	BOLT	1	
030	0102350612	BOLT	14.....	Z482-EB AND Z482-E2B
030	0102350614	BOLT	14.....	Z482-E3B
040	1654133750	PLUG, DRAIN	1	
050	1545196670	GASKET	1	
060	1685132110	FILTER, OIL	1	
070	0481400160	O-RING	1	

KUBOTA Z482-EB/E2B/E3B ENG. — CYLINDER HEAD ASSY.

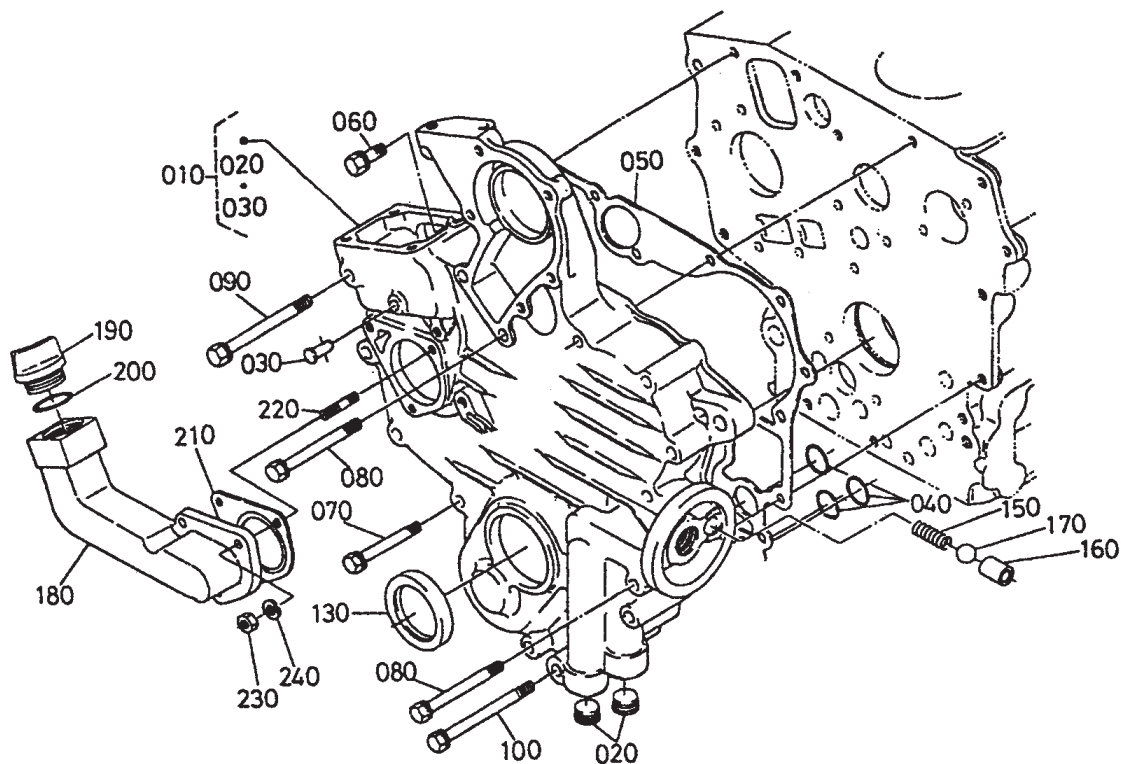


KUBOTA Z482-EB/E2B/E3B ENG. — CYLINDER HEAD ASSY.

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	
020	0112360816	BOLT	2.....	Z482-EB
020	0112350816	BOLT	2.....	Z482-E2B AND Z482-E3B
030	1685503042	COMP. CYLINDER HEAD, Z482-EB.....	1.....	INCLUDES ITEMS W/#
030	1G95703023	COMP. CYLINDER HEAD, Z482-E2B.....	1.....	INCLUDES ITEMS W/%
030	1G68903040	COMP. CYLINDER HEAD, Z482-E3B.....	1.....	INCLUDES ITEMS W/\$
040#%\$	1532196260	CAP, SEALING.....	1.....	Z482-EB AND Z482-E3B
045%\$	1526103370	CAP, SEALING.....	1.....	Z482-E2B
050#%\$	1526196010	PLUG	1	
060#%\$	1584113540	GUIDE, INLET VALVE	2	
070#%\$	1584113560	GUIDE, EXHAUST VALVE	2	
080#	1584196020	PLUG	1.....	Z482-EB
090	1460103450	BOLT, CYLINDER HEAD	10	
100	1685103310	GASKET, CYLINDER HEAD	1	
100	1685103312	GASKET, CYLINDER HEAD.....	1.....	Z482-EB
110	1522133700	O-RING	1.....	Z482-E2B AND Z482-E3B

KUBOTA Z482-EB/E2B/E3B ENGINE — GEAR CASE ASSY.

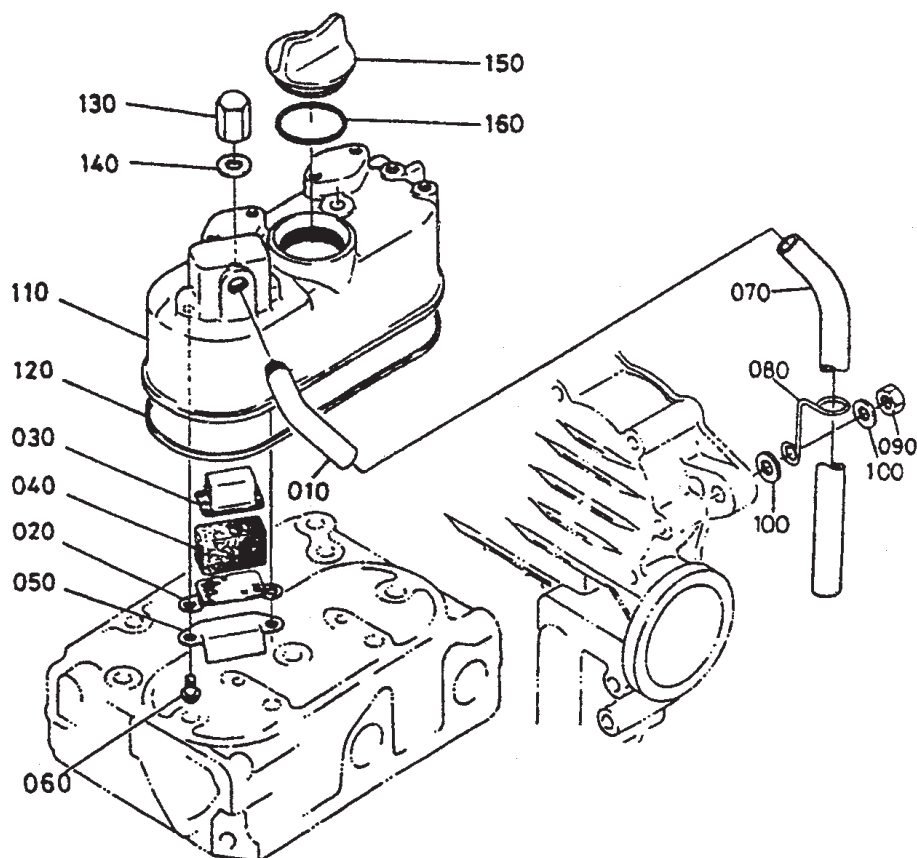


KUBOTA Z482-EB/E2B/E3B ENGINE — GEAR CASE ASSY.

GEAR CASE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1687504024	COMP. CASE, GEAR, Z482EB, Z482E2B	1.....	INCLUDES ITEMS W/#
010	1E05104024	COMP. CASE, GEAR, Z482E3B.....	1.....	INCLUDES ITEMS W/%
020#%	1685196010	PLUG	2.....	Z482EB
020#%	1552196030	PLUG	2.....	Z482-E2B AND Z482-E3B
030#%	1584156280	PIN, START SPRING	1	
040	0481406130	O-RING	3.....	Z482-EB AND Z482-E2B
050	1586204132	GASKET, GEAR CASE	1.....	Z482-EB AND Z482-E2B
050	1586204130	GASKET, GEAR CASE	1.....	Z482-E3B
060	0102350618	BOLT	1	
070	0102360650	BOLT	8	
080	1584191010	BOLT	5	
090	0102350670	BOLT	1.....	Z482EB
090	0102360670	BOLT	1.....	Z482E2B AND Z482-E3B
100	0102350675	BOLT	1	
130	1587704140	SEAL, OIL	1	
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	0481106230	O-RING	1	
210	1946188132	GASKET, H/M GEAR CASE	1	
220	1522188210	STUD	3	
230	0205650060	NUT	3	
240	0451260060	WASHER, LOCK	3	

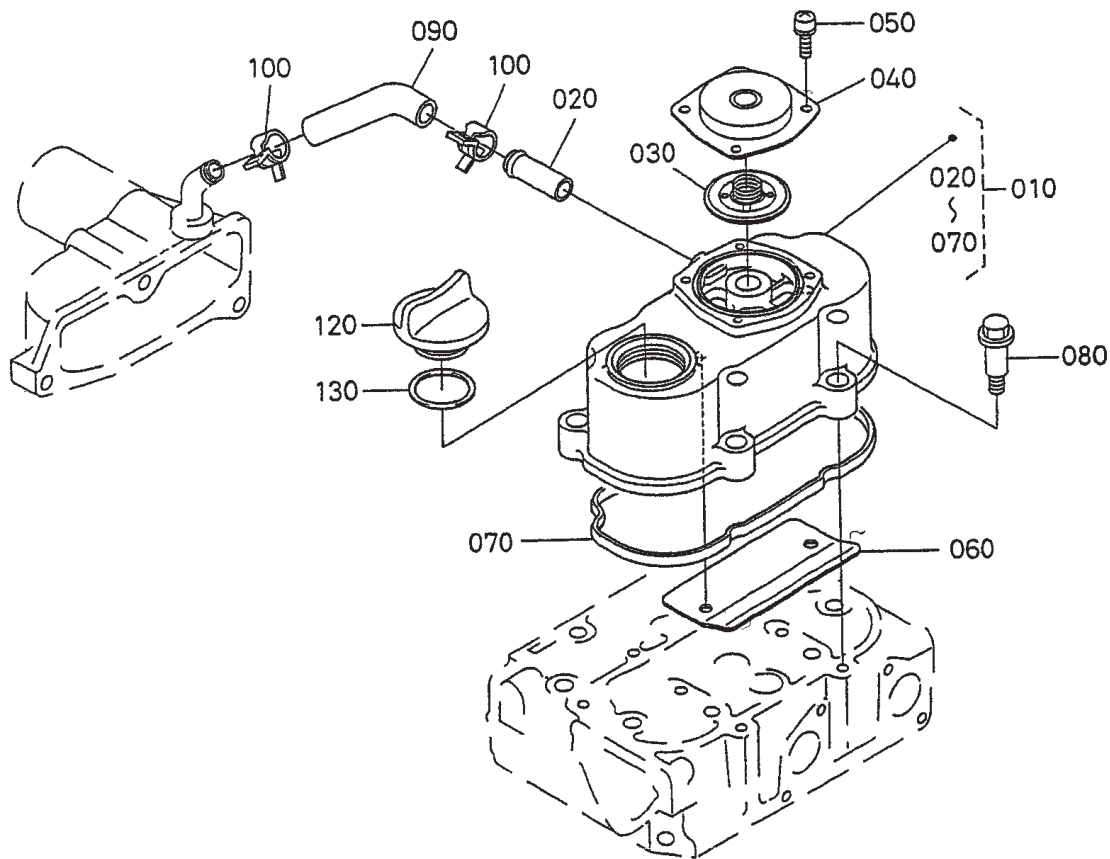
KUBOTA Z482-EB/E2B/E3B ENGINE — HEAD COVER ASSY.



KUBOTA Z482-EB/E2B/E3B ENGINE — HEAD COVER ASSY.

HEAD COVER ASSY. (Z482-EB)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1588105550	JOINT, BREATHER PIPE	1	
020	1584105140	PLATE, BREATHER ELEMENT	1	
030	1584105150	PLATE, BREATHER ELEMENT	1	
040	1584105670	ELEMENT, BREATHER	1	
050	1584105370	OIL SHIELD, BREATHER	1	
060	1686193310	SCREW	2	
070	1584705512	PIPE, BREATHER	1	
080	1584105590	CLAMP, PIPE	1	
090	0211450080	NUT	1	
100	0401360080	WASHER, FLATT	2	
110	1685114512	COVER, CYLINDER HEAD	1.....	Z482-EB
120	1685114522	GASKET, HEAD COVER	1	
130	1584114620	NUT, CAP	2	
140	1560196650	GASKET	2	
150	1585233140	PLUG, OIL FILLER	1	
160	0481150300	O-RING	1	

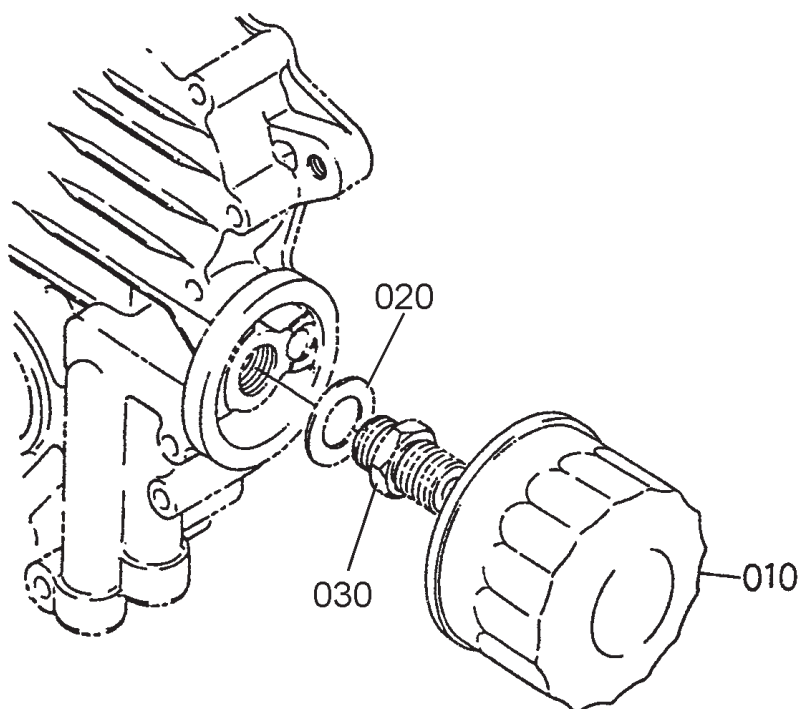


KUBOTA Z482-EB/E2B/E3B ENGINE — HEAD COVER ASSY.

HEAD COVER ASSY. (Z482-E2B/Z482-E3B)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1G95714503	COVER CYLINDER HEAD, Z482-E2B	1.....	INCLUDES ITEMS W/#
010	1G95714504	COVER CYLINDER HEAD, Z482-E3B	1.....	INCLUDES ITEMS W/%
020#	1624173370	PIPE, WATER RETURN	1	
030#	1G91105203	COMP. VALVE BREATHER	1	
040#	1G80105120	COVER, BREATHER	1	
050#	0302450510	SCREW WITH WASHER	4	
060#	1G95805370	SHIELD, BREATHER	1.....	Z482-E2B
070#	1G95714520	GASKET, HEAD COVER	1	
080	1G91191022	BOLT	4	
090	1G96005512	TUBE, BREATHER	1	
100	0931888125	CLAMP, HOSE	2	
120	E915133140	PLUG, OIL FILTER	1	
130	0481450300	O-RING	1	

KUBOTA Z482-EB/E2B/E3B ENGINE — OIL FILTER ASSY.

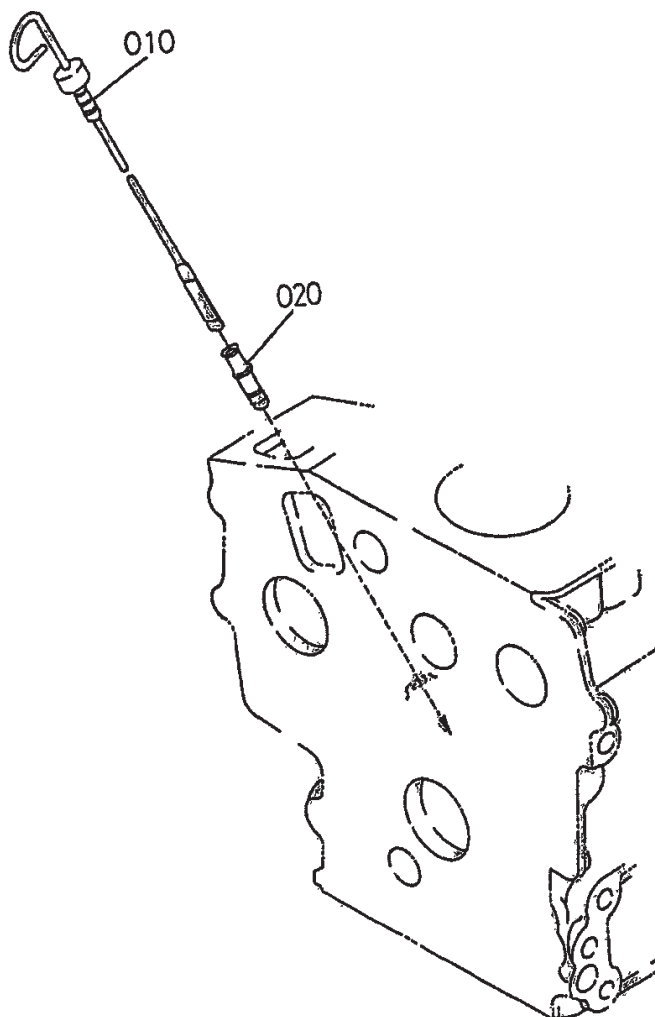


KUBOTA Z482-EB/E2B/E3B ENGINE — OIL FILTER ASSY.

OIL FILTER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	7000015241	CARTRIDGE, OIL FILTER, Z482-EB.....	1.....	REPLACES P/N 1585399170
010	1585332430	CARTRIDGE, OIL FILTER.....	1.....	Z482-E2B AND Z482-E3B
020	1584194010	WASHER, FLAT	1	
030	1524132290	JOINT, PIPE	1	

KUBOTA Z482-EB/E2B/E3B ENG. — DIPSTICK AND GUIDE ASSY.

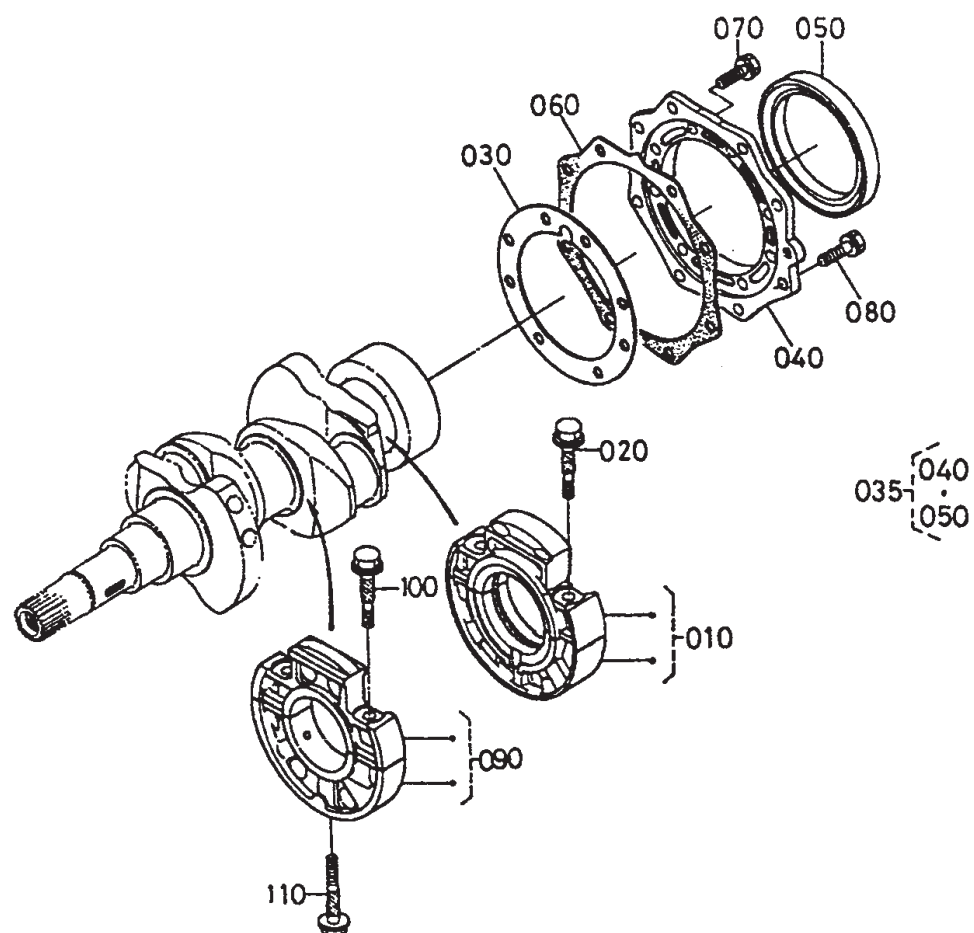


KUBOTA Z482-EB/E2B/E3B ENG. — DIPSTICK AND GUIDE ASSY.

DIPSTICK AND GUIDE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685136410	GAUGE, OIL	1.....	Z482-EB
010	1G30436410	GAUGE, OIL	1.....	Z482-E2B AND Z482-E3B
020	1745636420	GUIDE, OIL GAUGE.....	1.....	Z482-E2B AND Z482-E3B

KUBOTA Z482-EB/E2B/E3B ENG. — MAIN BEARING CASE ASSY.

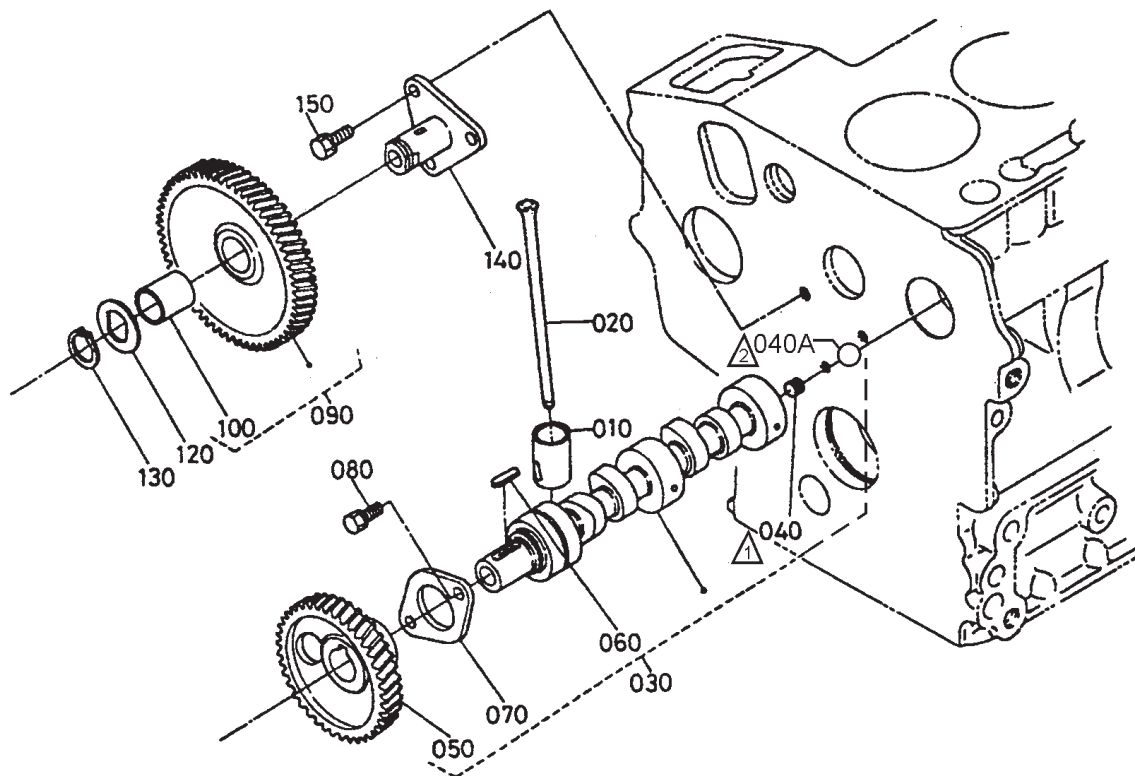


KUBOTA Z482-EB/E2B/E3B ENG. — MAIN BEARING CASE ASSY.

MAIN BEARING CASE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685104092	ASSY. CASE, MAIN BEARING, Z482-EB/E2B ..1.....	1	INCLUDES ITEMS W/@
010	1685107090	ASSY. CASE, MAIN BEARING, Z482-E3B ..1.....	1	INCLUDES ITEMS W/\$
015@\$	1686123480	METAL, CRANKSHAFT M	1	
020@\$	1584104540	BOLT, BEARING CASE	2	
030	1585204360	GASKET, BEARING CASE	1	
035	1584104800	COVER ASSY., BRG CASE, Z482-EB ..1.....	1	INCLUDES ITEMS W/#
035	1584104803	COVER ASSY., BRG CASE, Z482-E2B/E3B.....1.....	1	INCLUDES ITEMS W/%
040#	1584104810	COVER, BEARING CASE ..1.....	1	Z482-EB
040%	1584104815	COVER, BEARING CASE ..1.....	1	Z482-E2B AND Z482-E3B
050#%	1921599160	SEAL, OIL	1	
060	1584104822	GASKET, CASE COVER ..1.....	1	Z482-EB AND Z482-E2B
060	1584104823	GASKET, CASE COVER ..1.....	1	Z482-E3B
070	0102350620	BOLT	8	
080	0102350622	BOLT	8	
090	1685104040	ASSY. CASE, MAIN BEARING ..1.....	1	Z482-EB AND Z482-E2B
090	1685107040	ASSY. CASE, MAIN BEARING ..1.....	1	Z482-E3B
100	1584104540	BOLT, BEARING CASE	2	
110	1584104562	BOLT, BEARING CASE	1	

KUBOTA Z482-EB/E2B/E3B ENGINE — CAMSHAFT AND IDLE GEAR ASSY.



NOTES

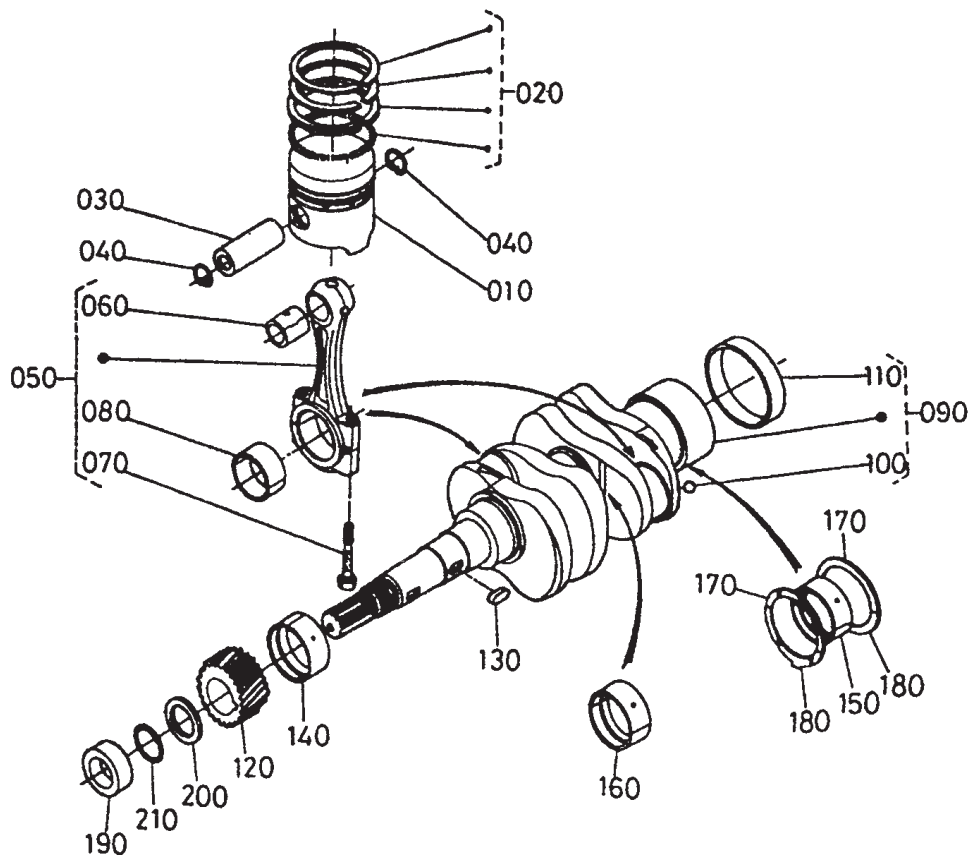
- 1 ITEM 40, SET SCREW IS USED ON KUBOTA ENGINE Z482-EB
- 2 ITEM 40A, BALL IS USED ON KUBOTA ENGINES Z482-E2B/Z482-E3B

KUBOTA Z482-EB/E2B/E3B ENGINE — CAMSHAFT AND IDLE GEAR ASSY.

CAMSHAFT AND IDLE GEAR SHAFT ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685115550	TAPPET	4.....	Z482-EB
010	1685115552	TAPPET	4.....	Z482-E2B AND Z482-E3B
020	1685115110	PUSH ROD	4	
030	1584116015	CAMSHAFT ASSY.	1.....	INCLUDES ITEMS W/%
030	1584116019	CAMSHAFT ASSY.	1.....	INCLUDES ITEMS W/\$
040\$	1552193610	SCREW, SET	1.....	Z482-EB
040A%	0771500401	BALL	1.....	Z482-E2B AND Z482-E3B
050%\$	1686416510	GEAR, CAM	1	
060%\$	0571200518	KEY, FEATHER	1	
070%\$	1584116270	STOPPER, CAMSHAFT	1	
080	0102350612	BOLT	2	
090	1587524013	COMP. GEAR, IDLE	1.....	INCLUDES ITEMS W/#
100#	1587524282	BUSH	1	
120	1587524370	COLLAR, IDLE GEAR	1	
130	1587524320	RING, SNAP	1	
140	1587524250	SHAFT, IDLE GEAR	1	
150	0102350614	BOLT	3	

KUBOTA Z482-EB/E2B/E3B ENG. — PISTON AND CRANKSHAFT ASSY.

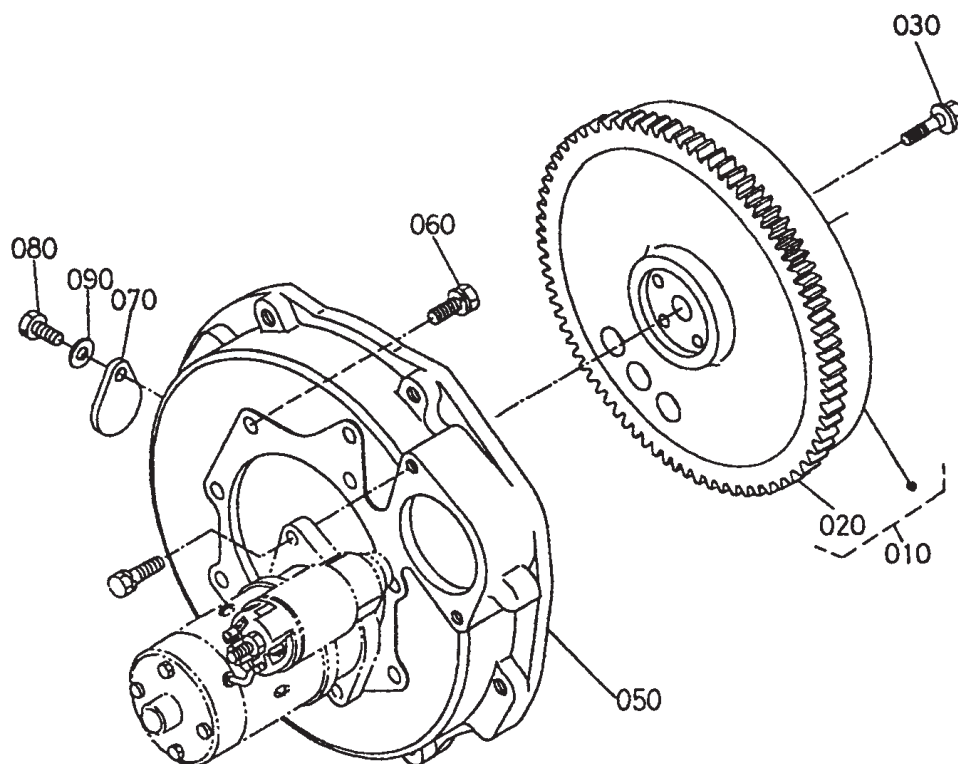


KUBOTA Z482-EB/E2B/E3B ENG. — PISTON AND CRANKSHAFT ASSY.

PISTON AND CRANKSHAFT ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685121112	PISTON STD	2.....	Z482-EB AND Z482-E2B
010	1685121114	PISTON STD	2.....	Z482-E3B
010	1685121900	PISTON +0.25MM.....	2.....	Z482-EB AND Z482-E2B
010	1685121903	PISTON +0.25MM.....	2.....	Z482-E3B
020	1685321050	ASSY. PISTON RING STD	2	
020	1685321090	ASSY. PISTON RING +0.25MM	2	
030	1685121310	PIN, PISTON	2	
040	1526121330	AIR CLIP, PISTON PIN	4	
050	1685122010	CONNECTING ROD ASSY., Z482-EB.....	2.....	INCLUDES ITEMS W/%
050	1685122015	CONN. ROD ASSY. Z482-E2B/E3B.....	2.....	INCLUDES ITEMS W/+
060%	1685121980	BUSH, PISTON PIN.....	2.....	Z482-EB
060+	1685121982	BUSH, PISTON PIN.....	2.....	Z482-E2B AND Z482-E3B
070%+	1685122140	BOLT, CONNECTING ROD	4	
080%+	1685122320	METAL, CRANKPIN M STD SET	2	
080	1586122970	METAL, CRANKPIN -0.20MM SET	2	
080	1586122980	METAL, CRANKPIN -0.40MM SET	2	
090	1685323030	CRANKSHAFT ASSY.....	1.....	INCLUDES ITEMS W/#
100#	0771503207	BALL	2	
110#	1921523280	SLEEVE, CRANKSHAFT	1	
120	1584124110	GEAR, CRANK	1	
130	0571200515	KEY, FEATHER	1	
140	1586123470	METAL, CRANKSHAFT STD	1	
140	1586123910	METAL, CRANKSHAFT -0.20MM	1	
140	1586123920	METAL, CRANKSHAFT -0.40MM	1	
150	1686123480	METAL, CRANKSHAFT M STD SET	1	
150	1569423930	METAL, CRANKSHAFT -0.20MMSET	1	
150	1569423940	METAL, CRANKSHAFT -0.40MMSET	1	
160	1686123490	METAL, CRANKSHAFT STD SET	1	
160	1586123860	METAL, CRANKSHAFT -0.20MM SET	1	
160	1586123870	METAL, CRANKSHAFT -0.40MM SET	1	
170	1526123530	METAL, SIDE STD	2	
170	1526123950	METAL, SIDE +0.20MM	2	
170	1526123960	METAL, SIDE +0.40MM	2	
180	1526123540	METAL, SIDE STD	2	
180	1526123970	METAL, SIDE +0.20MM	2	
180	1526123980	METAL, SIDE +0.40MM	2	
190	1584123250	COLLAR, CRANKSHAFT	1	
200	1588123310	SLINGER, OIL	1	
210	0481416220	O-RING	1	

KUBOTA Z482-EB/E2B/E3B ENGINE — FLYWHEEL ASSY.

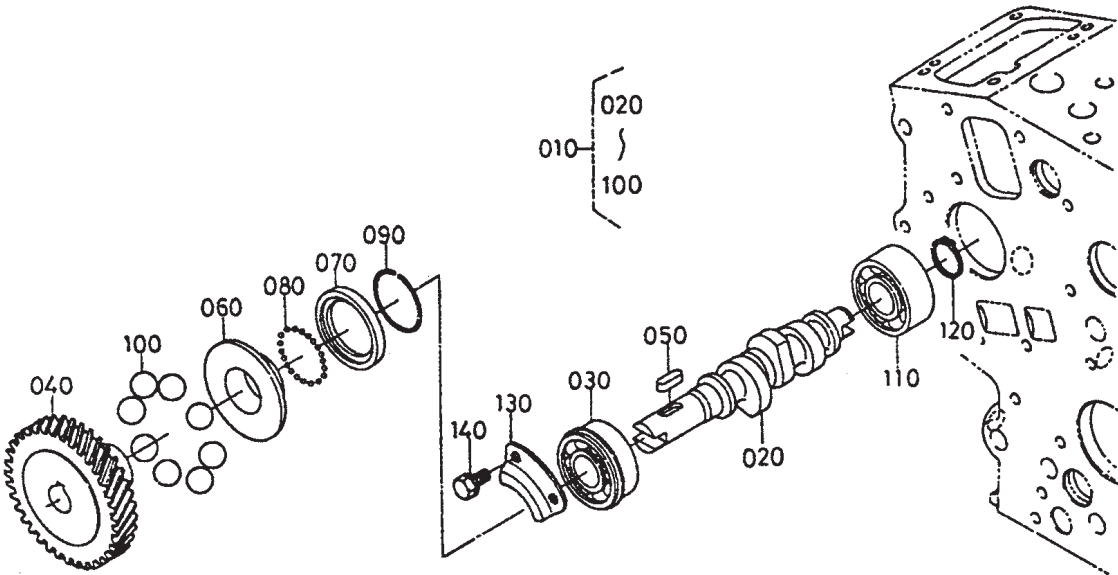


KUBOTA Z482-EB/E2B/E3B ENGINE — FLYWHEEL ASSY.

FLYWHEEL ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685125010	COMP. FLYWHEEL, Z482-EB	1.....	INCLUDES ITEMS W/#
010	1685125015	COMP. FLYWHEEL, Z482-E2B/E3B	1.....	INCLUDES ITEMS W/%
020#	1685163820	GEAR, RING, Z482-EB	1	
020%	1685163822	GEAR, RING, Z482-E2B AND Z482-E3B	1	
030	1585225160	BOLT, FLYWHEEL	5	
050	1584704612	HOUSING, FLYWHEEL	1	
060	0112350820	BOLT	10	
070	3122014170	COVER	1	
080	0112360814	BOLT	1	
090	0401360080	WASHER, FLAT	1	

KUBOTA Z482-EB/E2B/E3B ENG. — FUEL CAMSHAFT & GOV. SHAFT ASSY.

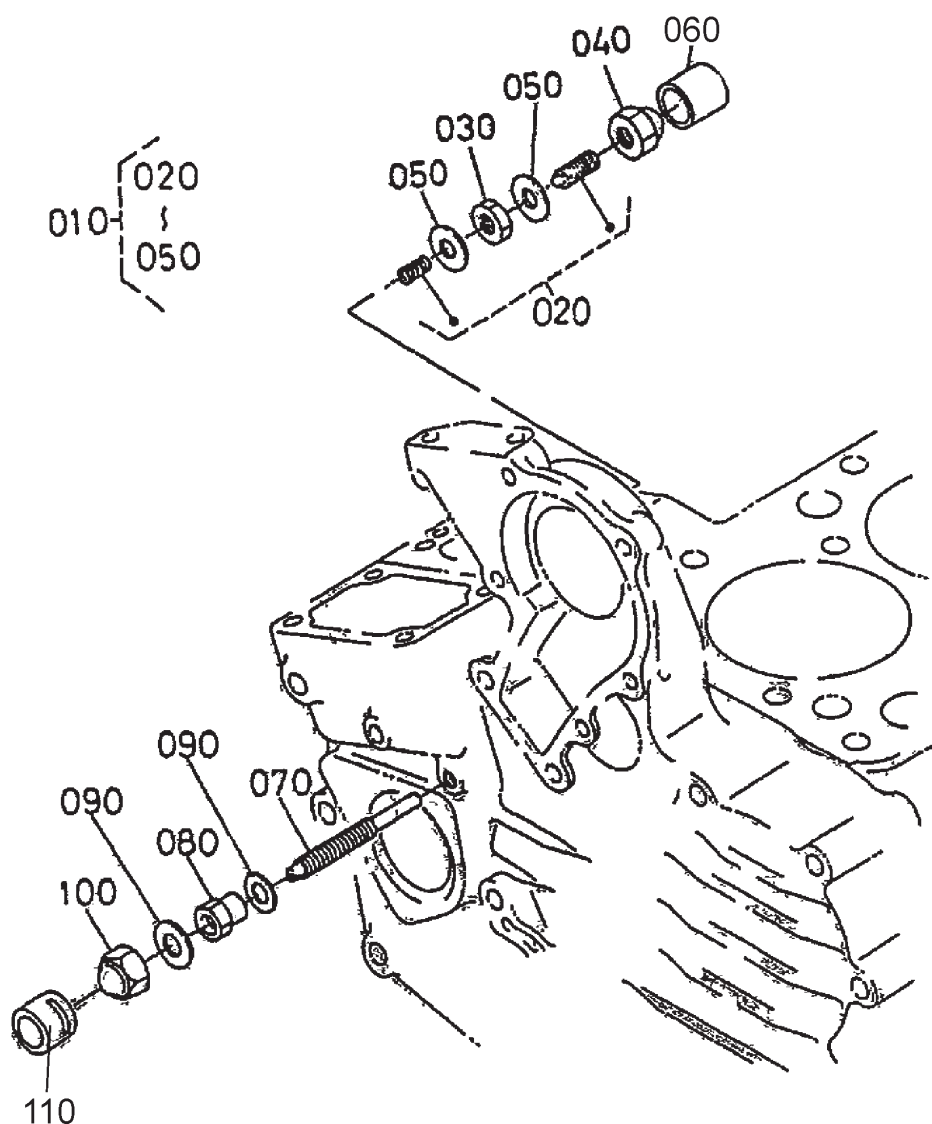


KUBOTA Z482-EB/E2B/E3B ENG. — FUEL CAMSHAFT & GOV. SHAFT ASSY.

FUEL CAMSHAFT AND GOVERNOR SHAFT ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685116020	CAMSHAFT ASSY., FUEL, Z482-EB/E2B.....	1.....	INCLUDES ITEMS W/#
010	1685116023	CAMSHAFT ASSY., FUEL, Z482-E3B.....	1.....	INCLUDES ITEMS W/\$
020#	1584116172	CAMSHAFT, FUEL	1	
030#	0815306203	BEARING, BALL	1	
040#	1685151150	GEAR, INJECTION PUMP	1	
050#	0571200515	KEY, FEATHER	1	
060#	1584155450	SLEEVE, GOVERNOR	1.....	Z482-EB AND Z482-E2B
060#	1584155452	SLEEVE, GOVERNOR	1.....	Z482-E3B
070#	1584155690	CASE, GOVERNOR BALL	1	
080#	0771500801	BALL	32	
090#	1526155470	CIR-CLIP, GOVERNOR SLEEVE	1	
100#	0771503217	BALL	8	
110	0810306203	BEARING, BALL	1.....	Z482-EB
110	1687197300	BEARING, BALL	1.....	Z482-E2B AND Z482-E3B
120	0461200170	CIR CLIP, EXTERNAL	1	
130	1584116320	STOPPER, FUEL. CAMSHAFT	1	
140	0102350612	BOLT	2	

KUBOTA Z482-EB/E2B/E3B ENG. — ENG. STOP LEVER ASSY.

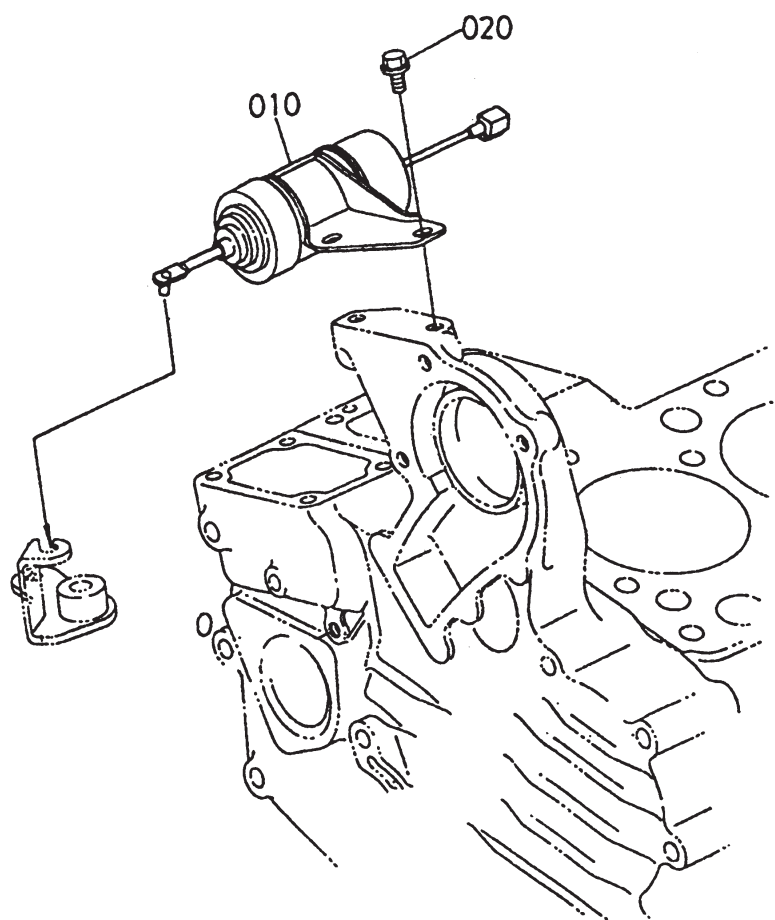


KUBOTA Z482-EB/E2B/E3B ENG. — ENG. STOP LEVER ASSY.

ENGINE STOP LEVER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1584154092	ASSY. APPARATUS, IDLE	1.....	INCLUDES ITEMS W/#
020#	1584154100	ASSY. BOLT, ADJUSTING	1	
030#	1526192020	NUT	1	
040#	1584154220	NUT, CAP	1	
050#	1502133660	GASKET	2	
060	1584154270	CAP	1	
070	1584154122	BOLT, ADJUSTING	1.....	Z482-EB
070	1584154123	BOLT, ADJUSTING	1.....	Z482-E2B AND Z482-E3B
080	1G03154210	NUT, LOCK	1	
090	1560196650	GASKET	2.....	Z482-EB
090	1560196650	GASKET	1.....	Z482-E2B AND Z482-E3B
095	1G02196650	GASKET	1.....	Z482-E2B/Z482-E3B ONLY
100	1584192330	NUT, CAP	1	
110	1G02154290	PIPE, LOCK.....	1.....	Z482-EB ONLY

KUBOTA Z482-EB/E2B/E3B ENG. — STOP SOLENOID ASSY.

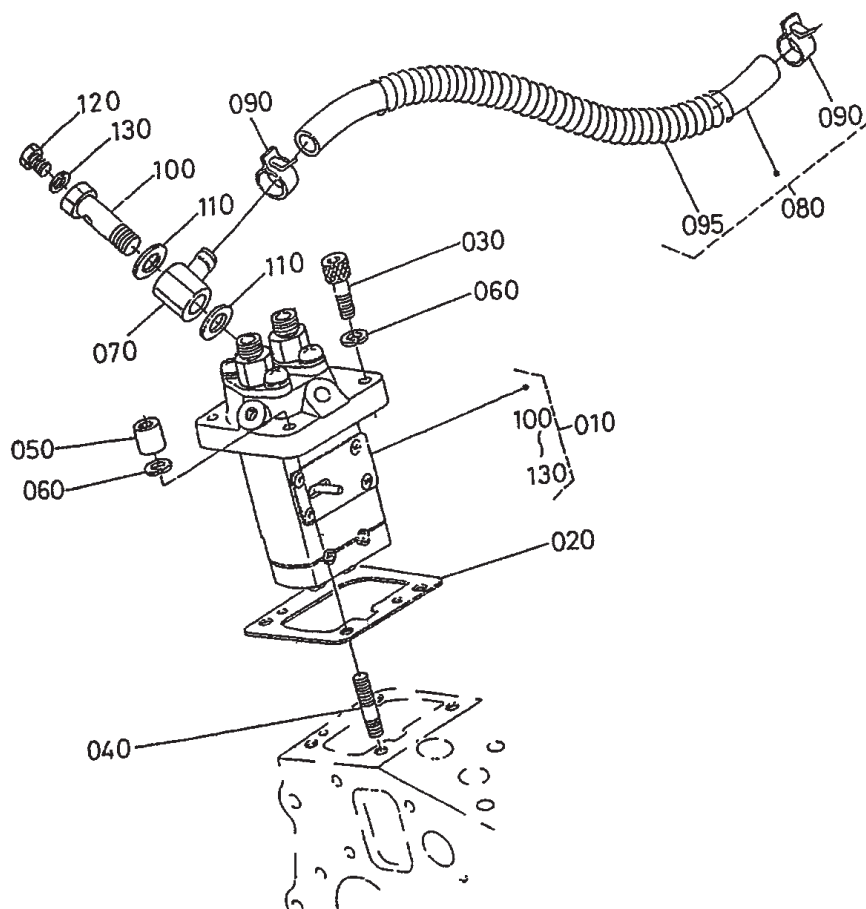


KUBOTA Z482-EB/E2B/E3B ENG. — STOP SOLENOID ASSY.

STOP SOLENOID ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685160010	SOLENOID, STOP	1.....	Z482-EB
010	1685160013	SOLENOID, STOP	1.....	Z482-E2B
010	1685160014	SOLENOID, STOP	1.....	Z482-E3B
020	0175450612	BOLT, FLANGE	2	

KUBOTA Z482-EB/E2B/E3B ENG. — INJECTION PUMP ASSY.

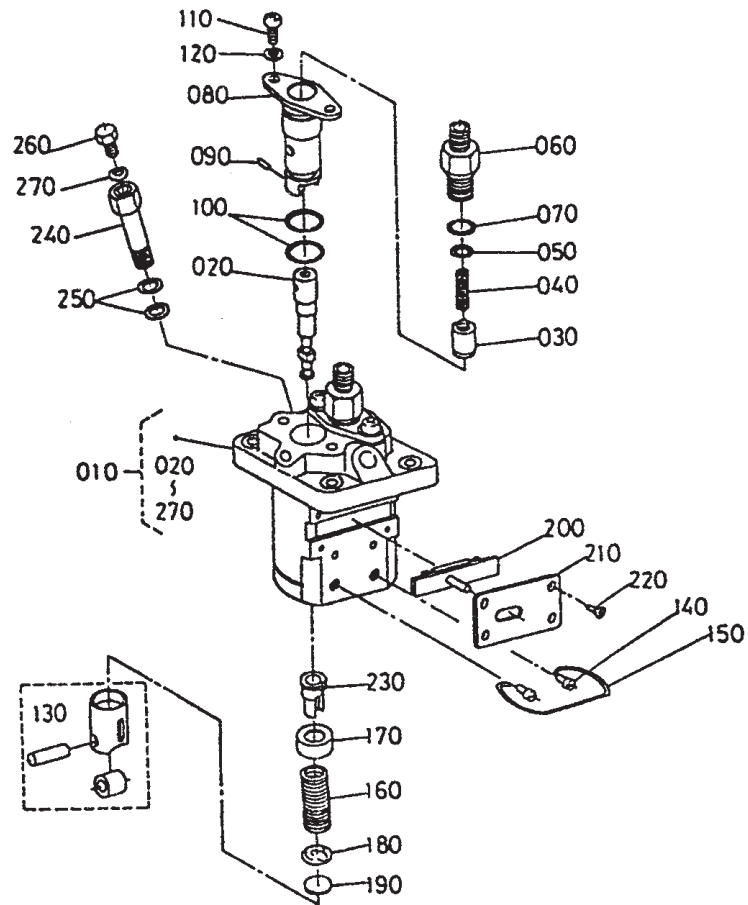


KUBOTA Z482-EB/E2B/E3B ENG. — INJECTION PUMP ASSY.

INJECTION PUMP ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1600151010	PUMP ASSY., INJECTION	1.....	INCLUDES ITEMS W/%
020	1600152090	SHIM, INJECTION PUMP, 20 MM	1	
020	1600152110	SHIM, INJECTION PUMP, 25 MM	1	
020	1600152120	SHIM, INJECTION PUMP, 30 MM	1	
020	1G68952160	SHIM, INJECTION PUMP, 35 MM	1.....	Z482-E3B ONLY
020	1G68952200	SHIM, INJECTION PUMP, 175 MM	1.....	Z482-E3B ONLY
030	0131110620	BOLT, HEX-SOC-HD	3	
040	1584191500	STUD	1	
050	1584192320	NUT, CAP	1	
060	0451260060	WASHER, LOCK	4	
070	1584195680	JOINT, EYE	1	
080	1526342010	ASSY. PIPE, FUEL.....	1.....	INCLUDES ITEMS W/#
090#	1491142750	CLIP, PIPE	2	
095#	6659154250	SPRING, PIPE PROTECT	1	
100%	1584151320	SCREW HOLLOW	1.....	Z482-E2B /Z482-E3B ONLY
110%	1584196650	GASKET	2.....	Z482-E2B AND Z482-E3B ONLY
120%	1584151350	SCREW.....	1.....	Z482-E2B AND Z482-E3B ONLY
130%	1584196660	GASKET	1.....	Z482-E2B AND Z482-E3B ONLY

KUBOTA Z 482-EB ENGINE—INJECTION PUMP COMPONENTS ASSY.

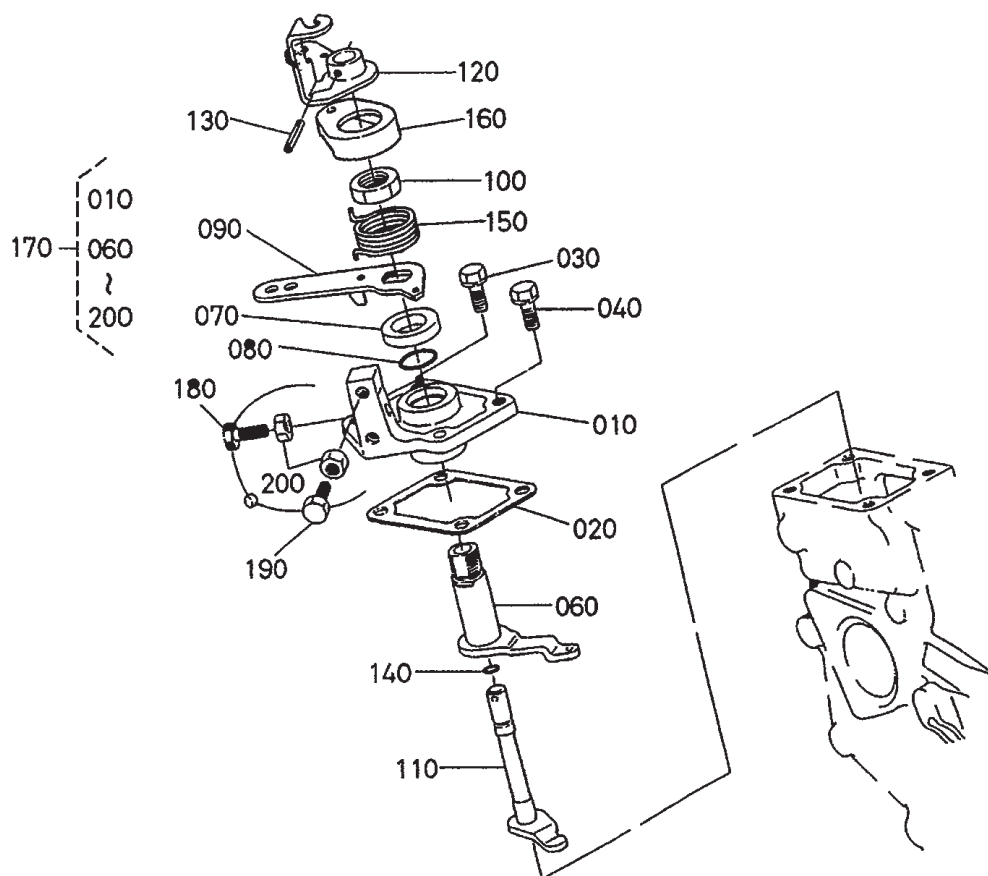


KUBOTA Z 482-EB ENGINE—INJECTION PUMP COMPONENTS ASSY.

INJECTION PUMP COMPONENTS ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1600151010	INJECTION PUMP ASSY., Z482-EB	1.....	INCLUDES ITEMS W/#
010	1754851010	INJECTION PUMP ASSY., Z482-E2B/E3B	1.....	INCLUDES ITEMS W/%
020#	1685151050	PLUNGER, PUMP, Z482-EB	2	
020%	1754851050	PLUNGER, PUMP, Z482-E2B/E3B	2	
030#	1584151030	VALVE, DELIVERY	2	
040#	1584151230	SPRING, DELIV. VALVE	2	
050#	1584151240	GASKET, DELIV. VALVE	2	
060#	1685151220	HOLDER, DELIV. VALVE	2	
070#	1584196760	O-RING	2	
080#	1584151560	FLANGE, SLEEVE	2	
090#	1584194570	PIN, JOINT	2	
100#	1584151200	O-RING	4	
110#	1586291430	SCREW	4	
120#	1585251470	WASHER	4	
130#	1584151070	ASSY. TAPPET	2	
140#	1584151250	PIN, TAPPET GUIDE	2	
150#	1584151430	PIN, CLAMP	1	
160#	1584151280	SPRING, PLUNGER	2	
170#	1584151270	SEAT, SPRING UPPER	2	
180#	1584151290	SEAT, SPRING LOWER	2	
190#	1584151490	SHIM	1	
200#	1584151060	SHIM	1	
210#	1584151540	PLATE	1	
220#	1584193110	SCREW, CSK-HD	4	
230#	1584151380	SLEEVE, CONTROL	2	
240#	1584151320	SCREW, FOLLOW	1	
250#	1584196650	GASKET	2	
260#	1584151350	SCREW	1	
270#	1584196660	GASKET	1	

KUBOTA Z482-EB/E2B/E3B ENG. — SPEED CONTROL PLATE ASSY.

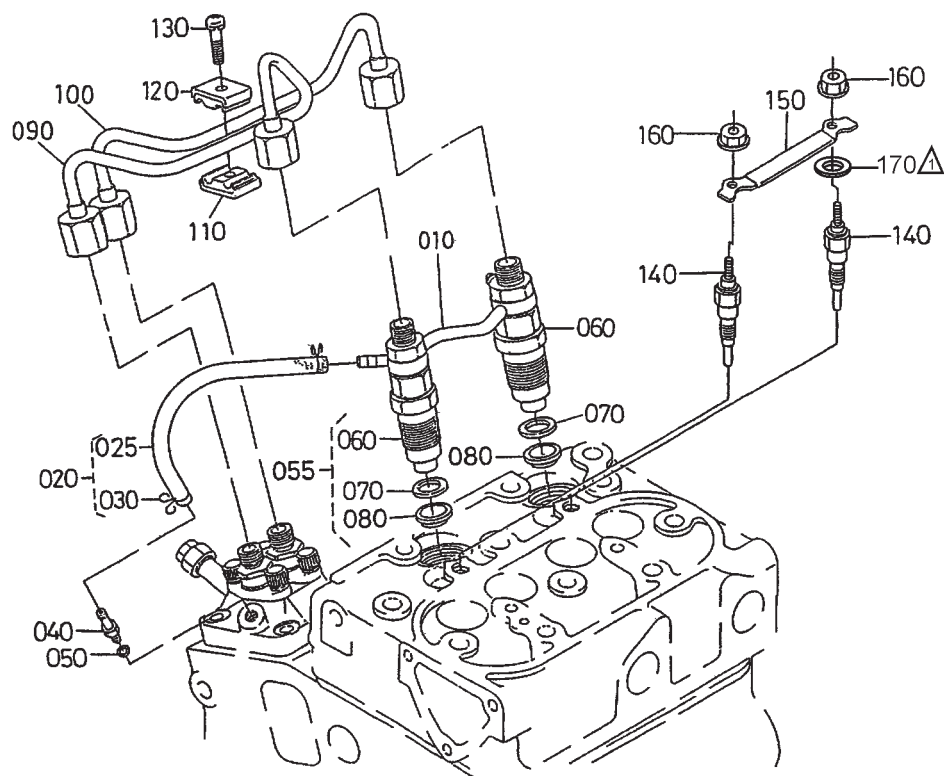


KUBOTA Z482-EB/E2B/E3B ENG. — SPEED CONTROL PLATE ASSY.

SPEED CONTROL PLATE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1584157110	PLATE, SPEED CONTROL	1.....	Z482-EB
010%	1584157112	PLATE, SPEED CONTROL	1.....	Z482-E2B AND Z482-E3B
020	1584157212	GASKET, CONTROL PLATE	1	
030	0102350618	BOLT	2	
040	0105350618	BOLT	2.....	Z482-EB AND Z482-E2B
040	1687191050	BOLT	2.....	Z482-E3B
050	1560196650	GASKET	2.....	Z482-EB AND Z482-E2B
060	1584156110	LEVER, GOVERNOR	1.....	Z482-EB
060%	1584156112	LEVER, GOVERNOR	1.....	Z482-E2B AND Z482-E3B
070	1584157240	COLLAR.....	1.....	Z482-EB
070	1928057240	COLLAR.....	1.....	Z482-E2B AND Z482-E3B
080%	0481410160	O-RING	1	
090%	1666757150	LEVER, SPEED CONTROL	1	
100	1584192010	NUT, SPEED CONTROL	2.....	Z482-EB
100%	1686692010	NUT, SPEED CONTROL	2.....	Z482-E2B AND Z482-E3B
110	1687857740	SHAFT, LEVER.....	1.....	Z482-EB
110%	1687857742	SHAFT, LEVER.....	1.....	Z482-E2B AND Z482-E3B
120	1685157720	LEVER, ENGINE STOP.....	1.....	Z482-EB
120%	1685157724	LEVER, ENGINE STOP.....	1.....	Z482-E2B AND Z482-E3B
130	0541100318	PIN, SPRING	1.....	Z482-EB
130%	0541100314	PIN, SPRING	1.....	Z482-E2B AND Z482-E3B
140%	0481410070	O-RING	1	
150%	1687857920	SPRING, RETURN	1	
160	1686657300	CAP.....	1.....	Z482-EB
160%	1686657302	CAP.....	1.....	Z482-E2B AND Z482-E3B
170%	1756157013	COMP. PLATE, SPEED CO.....	1.....	INCLUDES ITEMS W%
180%	1920291010	BOLT	2.....	Z482-E3B ONLY
190%	1920291010	BOLT	3.....	Z482-E3B ONLY
200%	0205650060	NUT.....	3.....	Z482-E3B ONLY

KUBOTA Z482-EB/E2B/E3B ENG. — NOZZLE HOLDER AND GLOW ASSY.



NOTES

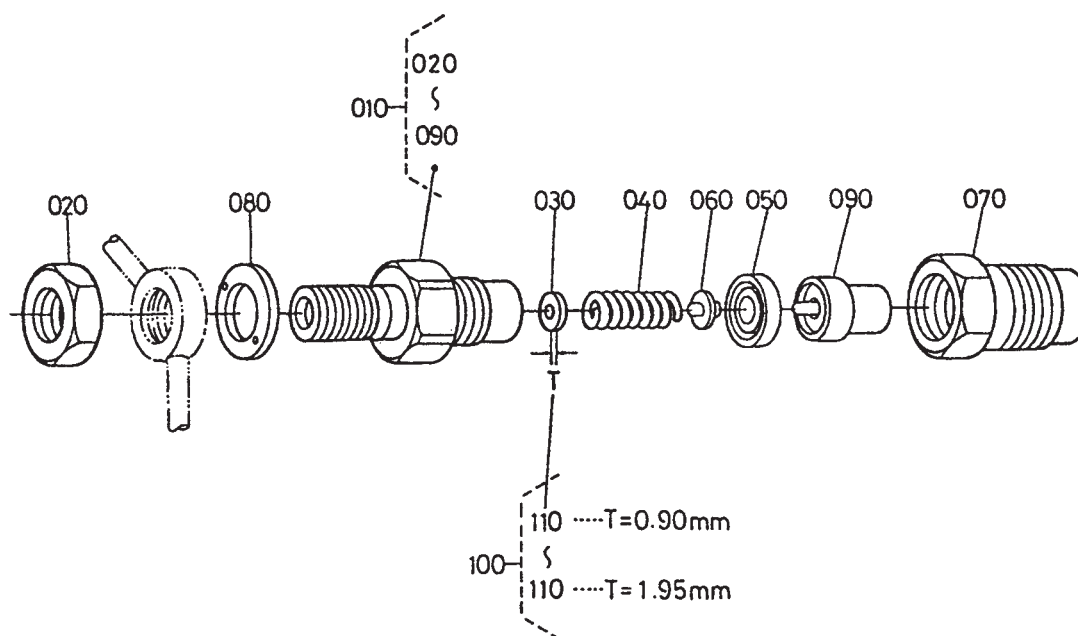
- 1 ITEM 170, FLAT WASHER IS USED ON KUBOTA Z482EB ENGINE ONLY.

KUBOTA Z482-EB/E2B/E3B ENG. — NOZZLE HOLDER AND GLOW ASSY.

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 BREATHER	1	
050	1560196650	GASKET	1	
055	1600153900	KIT, HOLDER NOZZLE	2	
060	1600153000	HOLDER ASSY., NOZZLE	2	
070	1584153622	GASKET	2	
075	1907753650	SEAL, HEAT	2	
090	1685153712	PIPE, INJECTION.....	1.....	Z482-EB
090	1685153713	PIPE, INJECTION.....	1.....	Z482-E2B
090	1G68653710	PIPE, INJECTION.....	1.....	Z482-E3B
100	1685153722	PIPE, INJECTION.....	1.....	Z482-EB
100	1685153723	PIPE, INJECTION.....	1.....	Z482-E2B
100	1G68653720	PIPE, INJECTION.....	1.....	Z482-E3B
110	1584153850	CLAMP, PIPE	1	
120	1584153860	CLAMP, PIPE	1	
130	0302450520	SCREW, WITH WASHER	1	
140	1685165510	GLOW PLUG	2.....	Z482-EB
140	1685165512	GLOW PLUG	2.....	Z482-E2B AND Z482-E3B
150	1685165560	CORD, GLOW PLUG	1	
160	0276150040	NUT, FLANGE	2	
170	0401360040	WASHER, FLAT	2.....	Z482-EB ONLY

KUBOTA Z482-EB/E2B/E3B ENGINE — NOZZLE HOLDER ASSY.

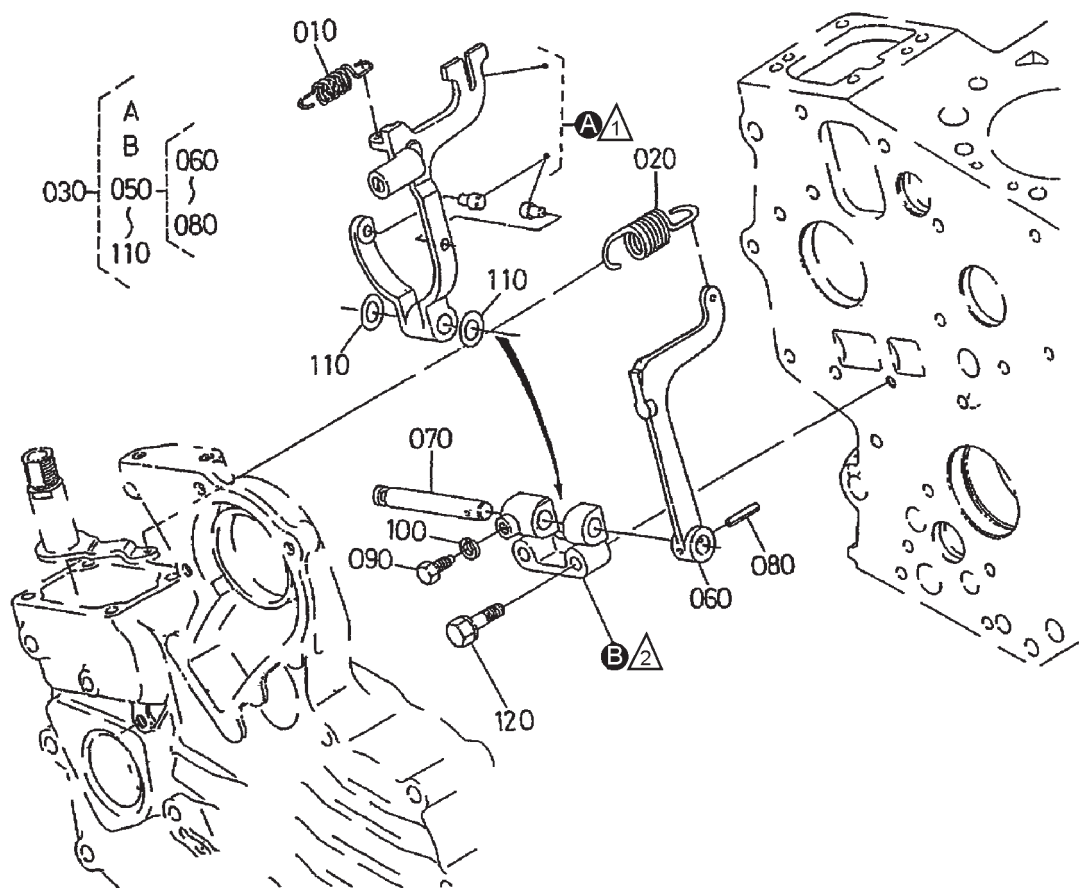


KUBOTA Z482-EB/E2B/E3B ENGINE — NOZZLE HOLDER ASSY.

NOZZLE HOLDER ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
10	1600153000	ASSY. HOLDER, NOZZLE	2	INCLUDES ITEMS W/ %
20%	1584192030	NUT	2	
30%	1584153230	WASHER, ADJUSTING	2	
40%	1584153170	SPRING, NOZZLE	2	
50%	1584153350	PIECE, DISTANCE	2	
60%	1584153160	PUSH ROD	2	
70%	1647553280	NUT, NOZZLE	2	
80%	1584194040	WASHER	2	
90%	1685153610	PIECE NOZZLE	2	
100	1584198100	ASSY. WASHER, ADJUST	2	INCLUDES ITEMS W/#OPTION
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
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

KUBOTA Z482-EB/E2B/E3B ENGINE — FORK LEVER ASSY.



NOTES

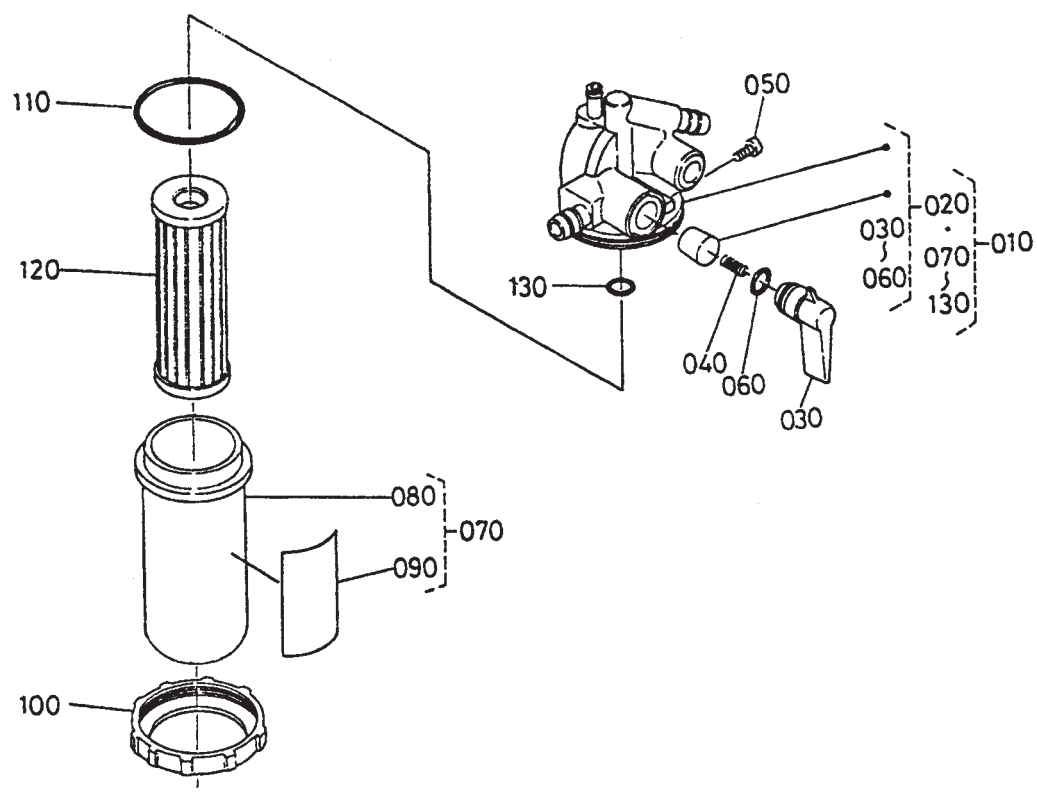
- 1 FORK LEVER ITEM A NOT SOLD SEPARATELY.
- 2 HOLDER, FORK LEVER ITEM B NOT SOLD SEPARATELY.

KUBOTA Z482-EB/E2B/E3B ENGINE — FORK LEVER ASSY.

FORK LEVER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685156480	SPRING, START	1	
020	1946156410	SPRING, GOVERNOR	1	
030	1754856054	LEVER, FORK ASSY.	1	INCLUDES ITEMS/#
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#	0451260050	WASHER, LOCK	1	
110#	1666255620	WASHER, FLAT	2	Z482-E2B AND Z482-E3B ONLY
120	0102350635	BOLT	2	

KUBOTA Z482-EB/E2B/E3B ENGINE — FUEL FILTER ASSY.

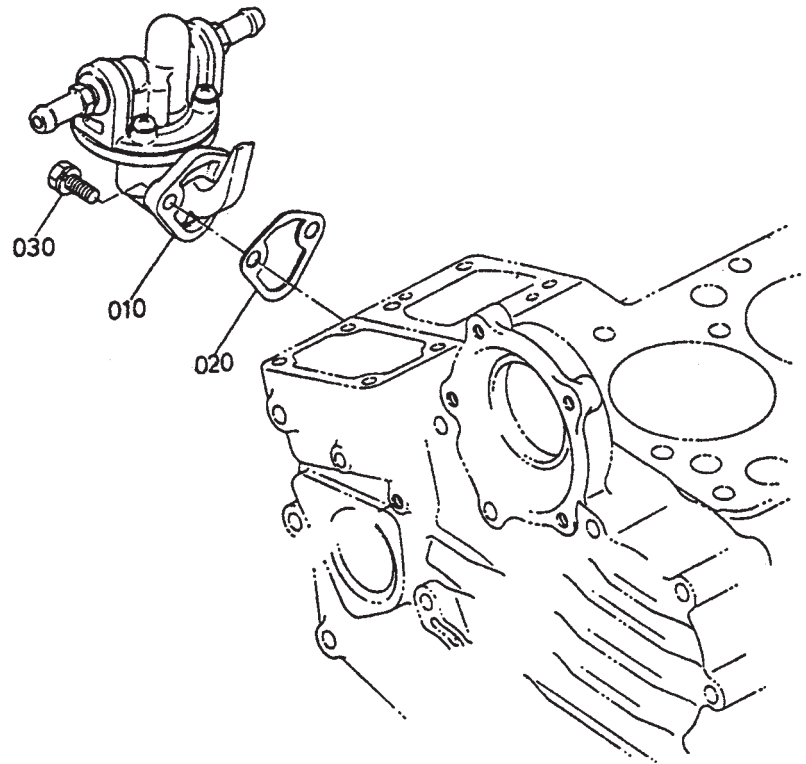


KUBOTA Z482-EB/E2B/E3B ENGINE — FUEL FILTER ASSY.

FUEL FILTER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1553143010	FILTER, FUEL ASSY.....	1.....	INCLUDES ITEMS W/\$ REPLACES P/N 1553143012
020\$	1553143110	COMP. BODY, COCK	1.....	INCLUDES ITEMS W/#
030\$#	1430143522	LEVER, COCK	1	
040 \$#	1430143820	SPRING, VALVE	1	
050\$#	1430143830	SCREW, SET	1	
060\$#	1430143840	O-RING, LEVER	1	
070\$	1539343100	CUP ASSY., FILTER	1.....	INCLUDES ITEMS W/%
080\$%	1539343580	CUP, FILTER	1	
090*%	1687388430	LABEL, FUEL	1	
100\$	1430143590	RING, RETAINING	1	
110\$	1430143650	O-RING, FILTER CUP	1.....	Z482-EB AND Z482-E2B
110\$	0481600390	O-RING, FILTER CUP	1.....	Z482-E3B ONLY
120\$	1523143560	ELEMENT, FUEL FILTER	1.....	Z482-EB AND Z482-E2B
120\$	1T02143560	ELEMENT, FUEL FILTER	1.....	Z482-E3B
130\$	1430143570	O-RING, FILTER		

KUBOTA Z482-EB/E2B/E3B ENGINE—FUEL PUMP ASSY.

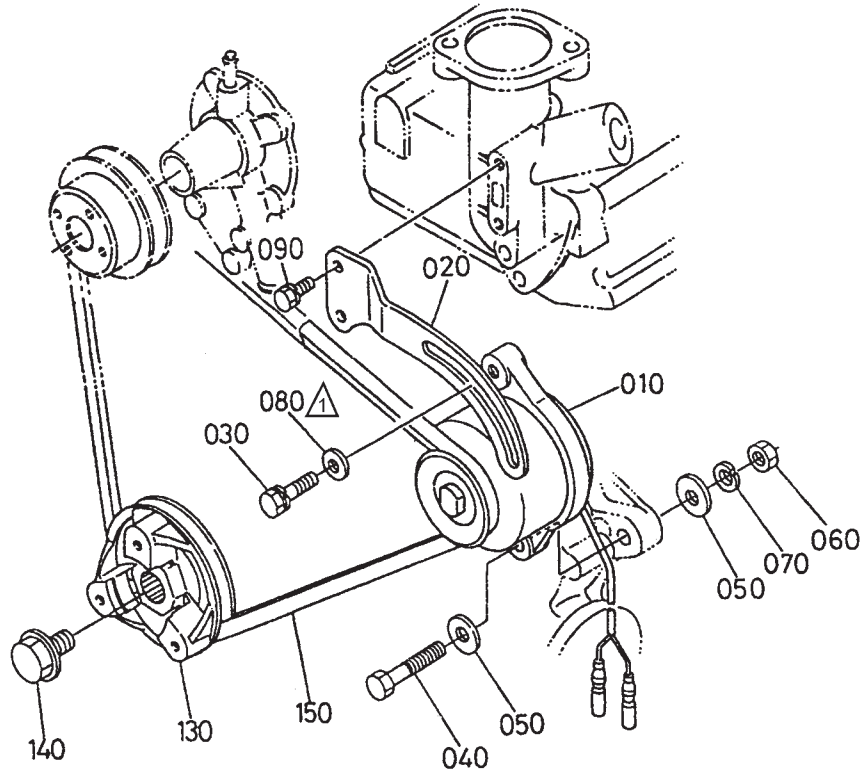


KUBOTA Z482-EB/E2B/E3B ENGINE—FUEL PUMP ASSY.

FUEL PUMP ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1582152030	FUEL PUMP ASSY.	1	
020	1626452140	GASKET, FUEL PUMP	1	
030	0102350616	BOLT	2	

KUBOTA Z482-EB/E2B/E3B ENGINE — DYNAMO & PULLEY ASSY.



NOTES

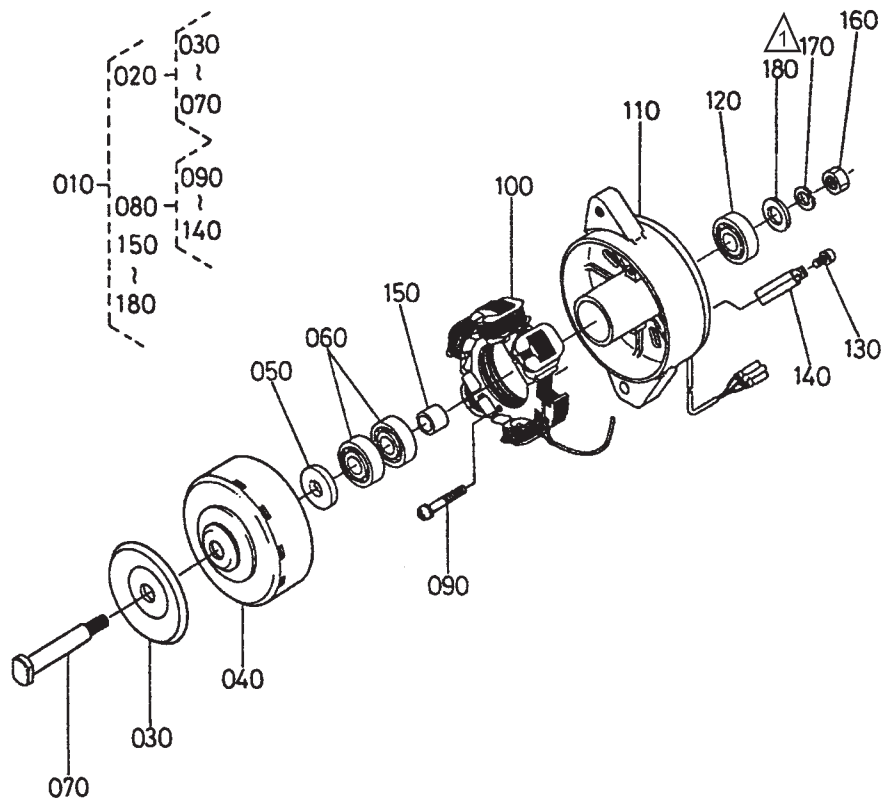
 ITEM 080, FLAT WASHER IS USED ON KUBOTA Z482-EB ENGINE ONLY.

KUBOTA Z482-EB/E2B/E3B ENGINE — DYNAMO & PULLEY ASSY.

DYNAMO AND PULLEY ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1753164010	DYNAMO ASSY.	1.....	Z482-EB
010	1753164012	DYNAMO ASSY.	1.....	Z482-E2B AND Z482-E3B
020	1259964420	STAY, DYNAMO	1	
030	0112350830	BOLT	1.....	Z482-EB
030	1687191030	BOLT	1.....	Z482-E2B AND Z482-E3B
040	0115350855	BOLT	1	
050	0401360080	WASHER, FLAT	2	
060	0211450080	NUT	1	
070	0451260080	WASHER, LOCK	1	
080	0401560080	WASHER, FLAT	1.....	Z482-EB ONLY
090	0102350616	BOLT	2	
130	1685174280	PULLEY, FAN DRIVE	1	
140	1588191030	BOLT	1	
150	1980572530	BELT, FAN (34.5 IN)	1	

KUBOTA Z482-EB/E2B/E3B ENGINE — DYNAMO ASSY.



NOTES

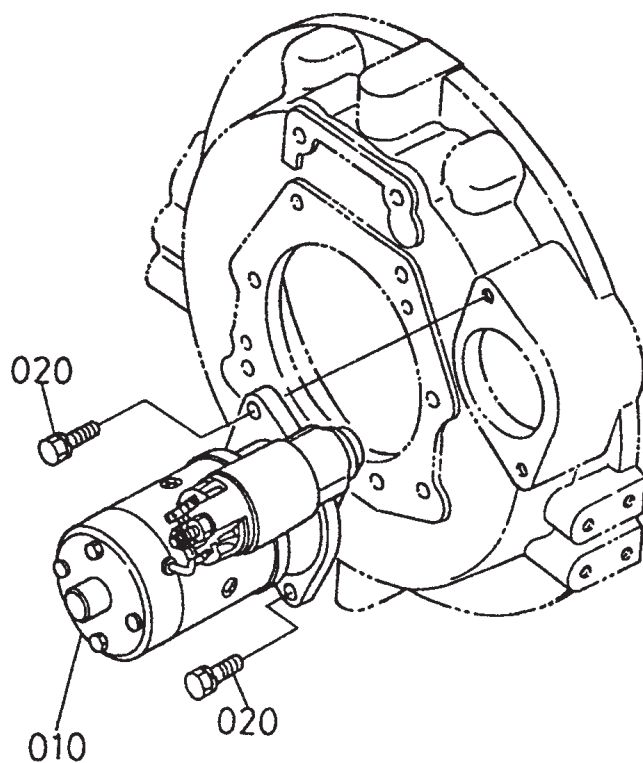
- △¹ ITEMS 170 AND 180, LOCK WASHER AND FLAT WASHER ARE USED ON KUBOTA Z482-EB ENGINE ONLY.

KUBOTA Z482-EB/E2B/E3B ENGINE — DYNAMO ASSY.

DYNAMO ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1753164010	DYNAMO ASSY. , Z482-EB	1	INCLUDES ITEMS W/%
010	1753164012	DYNAMO ASSY. , Z482-E2B/E3B..	1	INCLUDES ITEMS W/#
020	1553164122	COMP. FLYWHEEL, Z482-EB.....	1	INCLUDES ITEMS W/+
020	1553264120	COMP. FLYWHEEL, Z482-E2B/E3B.	1	INCLUDES ITEMS W/<
030%#>+	1553164110	PULLEY	1	
040%+	1553164040	FLYWHEEL	1	Z482-EB
040%<	1553264040	FLYWHEEL	1	Z482-E2B AND Z482-E3B
050%+	6C04082860	COLLAR.....	1	Z482-EB
050%#>+	1553164140	COLLAR.....	1	Z482-E2B AND Z482-E3B
060%#>+	1553174180	BEARING, BALL	2	
070%+	1553174140	SHAFT, FAN.....	1	Z482-EB
070%<	1553274140	SHAFT, FAN.....	1	Z482-E2B AND Z482-E3B
080%	1553164363	COMP. STATOR, Z482-EB	1	INCLUDES ITEMS W/>
080#	1553264360	COMP. STATOR, Z482-E2B/E3B ...	1	INCLUDES ITEMS W/\$
090%#>\$	1526193010	SCREW, ROUND HD.	2	
100%#>\$	1553164292	STATOR	1	
110%>	1553164072	PLATE	1	Z482-EB
110#\$	1553264070	PLATE	1	Z482-E2B AND Z482-E3B
120%#>\$	1553174180	BEARING, BALL	1	
130%#>\$	1553193010	SCREW, ROUND HD.	1	
140%#>\$	1553164190	CLAMP, CORD	1	
150%#	1526164150	COLLAR	1	
160%	1526192030	NUT.....	1	Z482-EB AND Z482-E3B
160#	0277160100	NUT, FLANGE.....	1	Z482-E2B
170%	1526194070	WASHER, LOCK.....	1	Z482-EB AND Z482-E3B
180%	1526194020	WASHER, FLAT	1	Z482-EB AND Z482-E3B

KUBOTA Z482-EB/E2B/E3B ENGINE — STARTER ASSY.

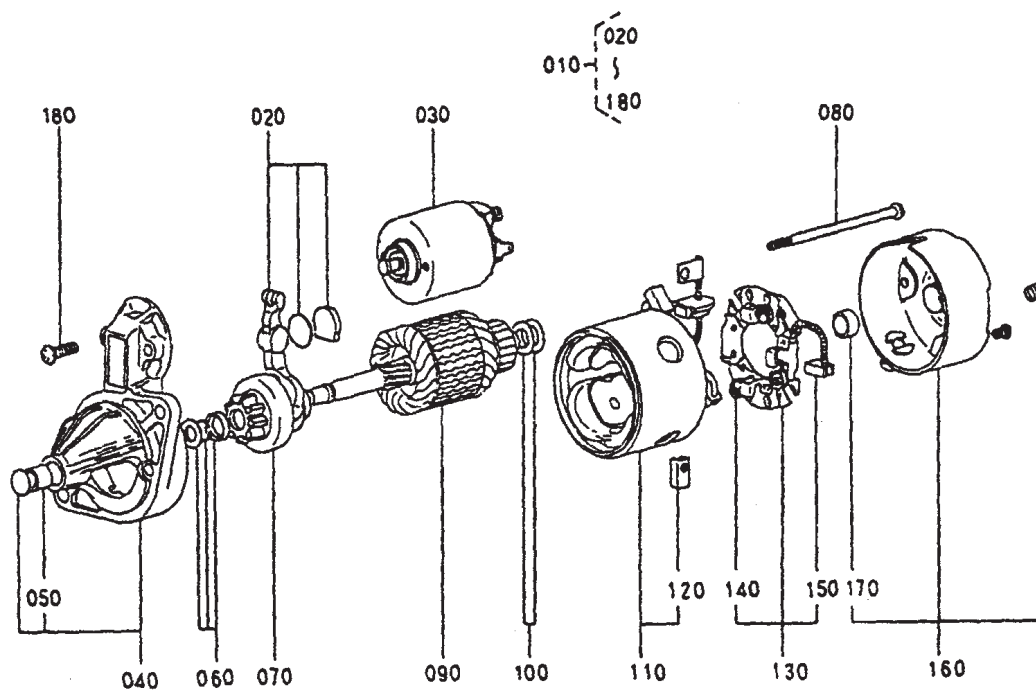


KUBOTA Z482-EB/E2B/E3B ENGINE — STARTER ASSY.

STARTER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1983763010	STARTER ASSY. 12V, 0.8KW	1	
020	0112350825	BOLT	2	

KUBOTA Z482-EB/E2B/E3B ENGINE — STARTER COMP. ASSY.

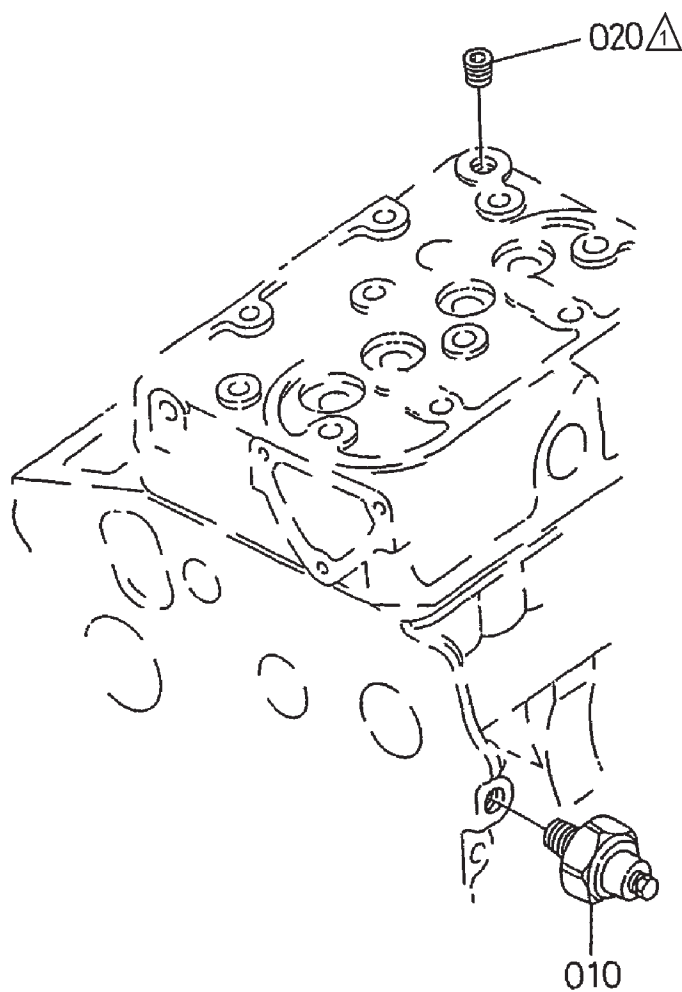


KUBOTA Z482-EB/E2B/E3B ENGINE — STARTER COMP. ASSY.

STARTER COMPONENTS ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1983763010	STARTER ASSY.....	1.....	INCLUDES ITEMS W/@
020@	1983763050	LEVER, DRIVE	1	
030@	1585263020	SWITCH, MAGNETIC	1	
040@	1983763030	FRAME, DRIVE END.....	1.....	INCLUDES ITEMS W/#
050@#	1585263240	BUSH	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@	1983763080	YOKE ASSY.	1.....	INCLUDES ITEMS W/%
120@%	1585263360	BRUSH	2	
130@	1585263380	HOLDER, BRUSH ASSY.....	1.....	INCLUDES ITEMS W/+
140@+	1585263390	SPRING, BRUSH	3	
150@+	1585263370	BRUSH	1	
160@	1983763200	FRAME, END.....	1.....	INCLUDES ITEM W/\$
170@\$	1585263250	BUSH	1	
180@	1585293310	SCREW, PAN-HEAD	1	

KUBOTA Z482-EB ENGINE — OIL SWITCH ASSY.



NOTES

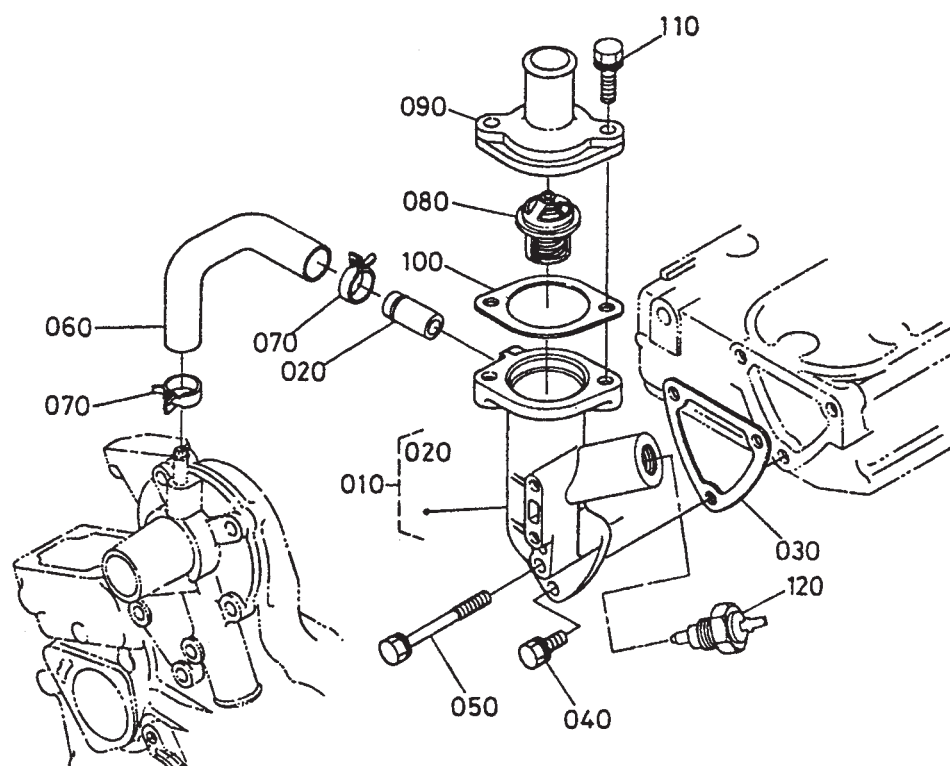
-  ITEM 020, PLUG IS USED ON KUBOTA Z482-EB ENGINE ONLY.

KUBOTA Z482-EB ENGINE — OIL SWITCH ASSY.

OIL SWITCH ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1584139010	SWITCH, OIL	1.....	Z482-EB
010	1584139013	SWITCH, OIL	1.....	Z482-E2B AND Z482-E3B
020	1584196020	PLUG	1.....	Z482-E2B AND Z482-E3B

KUBOTA Z482-EB/E2B/E3B ENGINE — WATER FLANGE & THERM. ASSY.

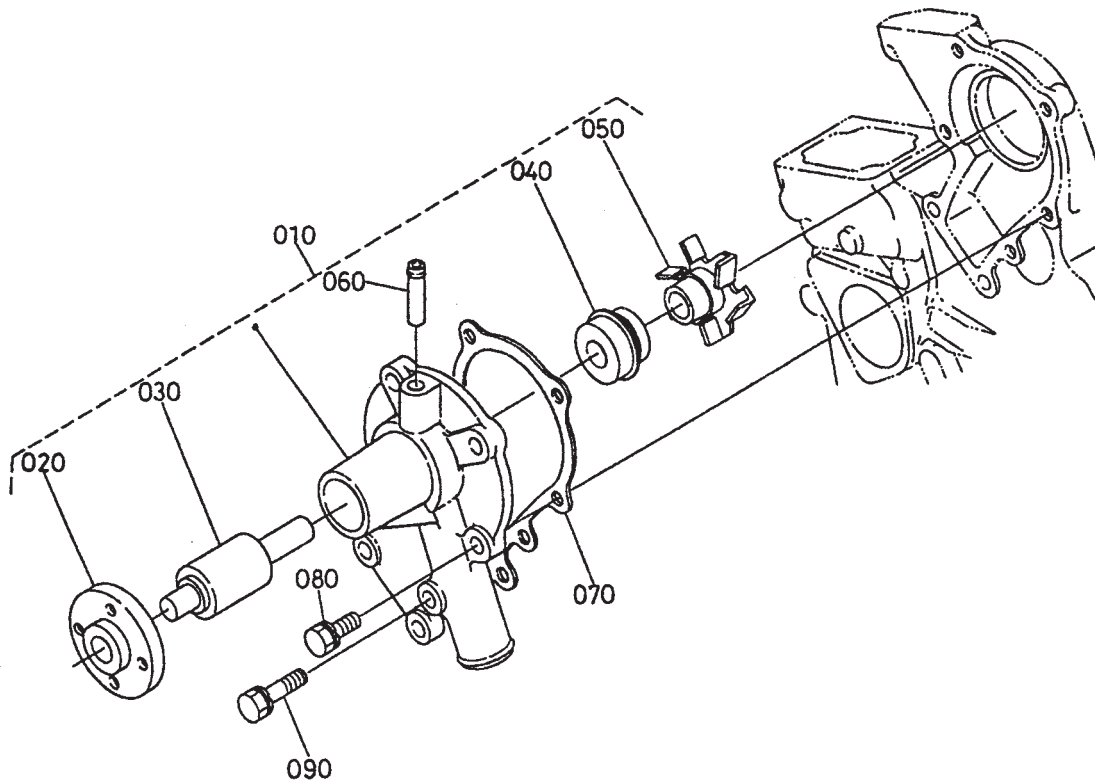


KUBOTA Z482-EB/E2B/E3B ENGINE — WATER FLANGE & THERM. ASSY.

WATER FLANGE AND THERMOSTAT ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1687572700	COMP. FLANGE, WATER, Z482-EB	1.....	INCLUDES ITEMS W/%
010	1687572704	COMP. FLANGE, WATER, Z482-E2B/E3B	1.....	INCLUDES ITEMS W/#
020%#	1624173370	PIPE, WATER RETURN	1	
030	1584172922	GASKET, WATER FLANGE	1.....	Z482-EB
030	1584172923	GASKET, WATER FLANGE	1.....	Z482-E2B AND Z482-E3B
040	0102350616	BOLT	2	
050	0102360650	BOLT	4	
060	1685173350	PIPE, WATER RETURN	1	
070	1624173360	BAND, PIPE	2	
080	1553173010	THERMOSTAT ASSY.	1	
090	1584173260	COVER, THERMOSTAT	1	
100	1685173270	GASKET, THERMOSTAT	1	
110	0102350622	BOLT	2	
120	1554383040	SWITCH, THERMOMETER.....	1.....	Z482-EB
120	1753883040	SWITCH, THERMOMETER.....	1.....	Z482-E2B AND Z482-E3B

KUBOTA Z482-EB/E2B/E3B ENGINE — WATER PUMP ASSY.

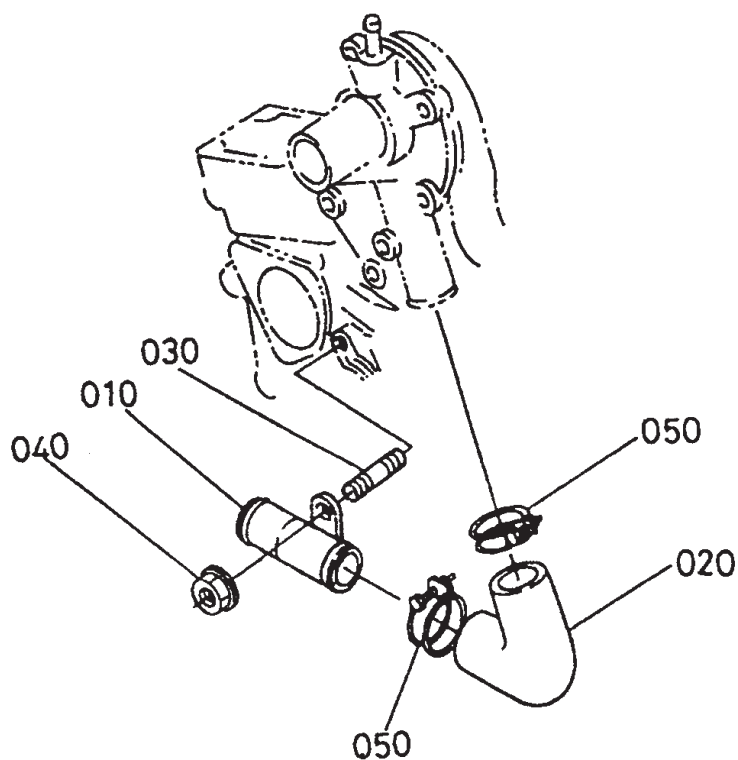


KUBOTA Z482-EB/E2B/E3B ENGINE — WATER PUMP ASSY.

WATER PUMP ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1988373030	WATER PUMP ASSY.....	1.....	INCLUDES ITEMS W/@
020@	1585273520	FLANGE, WATER PUMP	1	
030@	1585273550	BEARING	1	
040@	1548173050	SEAL ASSY., MECHANICAL	1	
050@	1988373510	IMPELLER, WATER PUMP.....	1.....	Z482-EB AND Z482-E2B ONLY
060@	1585273340	PIPE, WATER RETURN	1	
070	1588173432	GASKET, WATER PUMP NA.....	1.....	Z482-EB AND Z482-E2B
070	1687173430	GASKET, WATER PUMP NA.....	1.....	Z482-E3B
080	0102350622	BOLT	4	
090	0102350638	BOLT	1	

KUBOTA Z482-EB/E2B/E3B ENGINE — WATER PIPE ASSY.

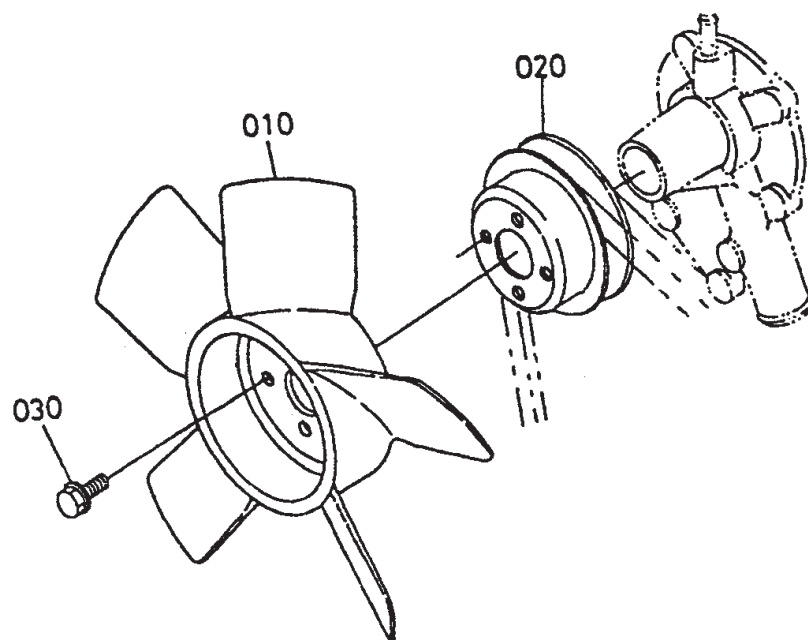


KUBOTA Z482-EB/E2B/E3B ENGINE — WATER PIPE ASSY.

WATER PIPE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1584172860	PIPE, WATER	1	
020	1588172870	PIPE, WATER	1	
030	1584191510	STUD	1	
040	0275150060	NUT, FLANGE	1	
050	0931889030	CLAMP, HOSE	2.....	Z482-EB
050	1584172960	BAND, PIPE	2.....	Z482-E2B AND Z482-E3B

KUBOTA Z482-EB/E2B/E3B ENGINE — FAN ASSY.

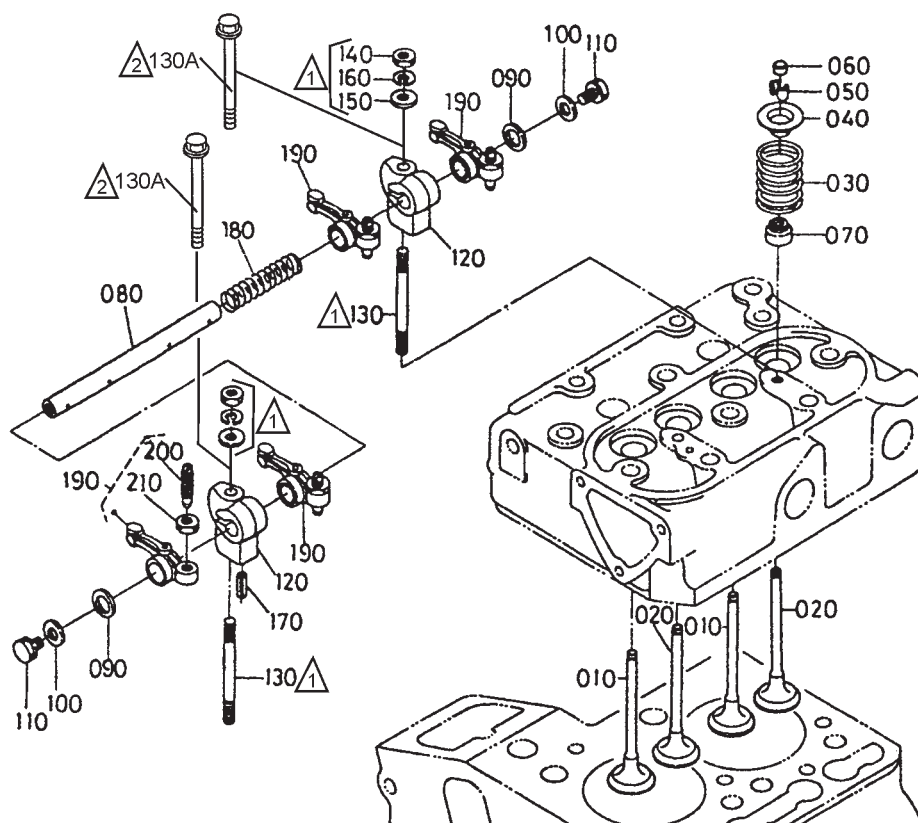


KUBOTA Z482-EB/E2B/E3B ENGINE — FAN ASSY.

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-EB/E2B/E3B ENG. — VALVE AND ROCKER ARM ASSY.



NOTES

△¹ ITEMS 130, 140 160 AND 150, (STUD, NUT, FLAT WASHER AND LOCK WASHER ARE USED ON KUBOTA Z482-EB ENGINE ONLY.

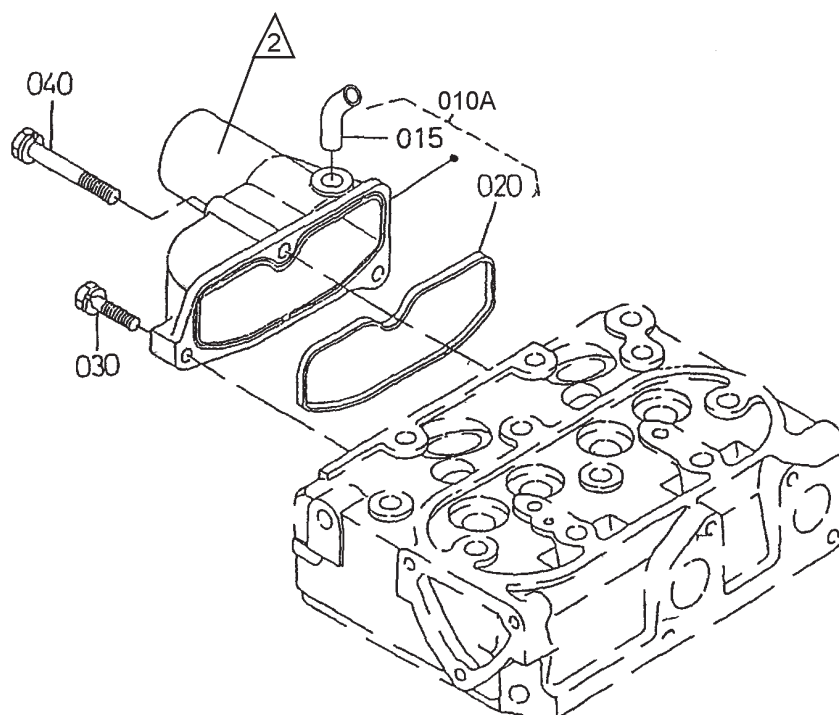
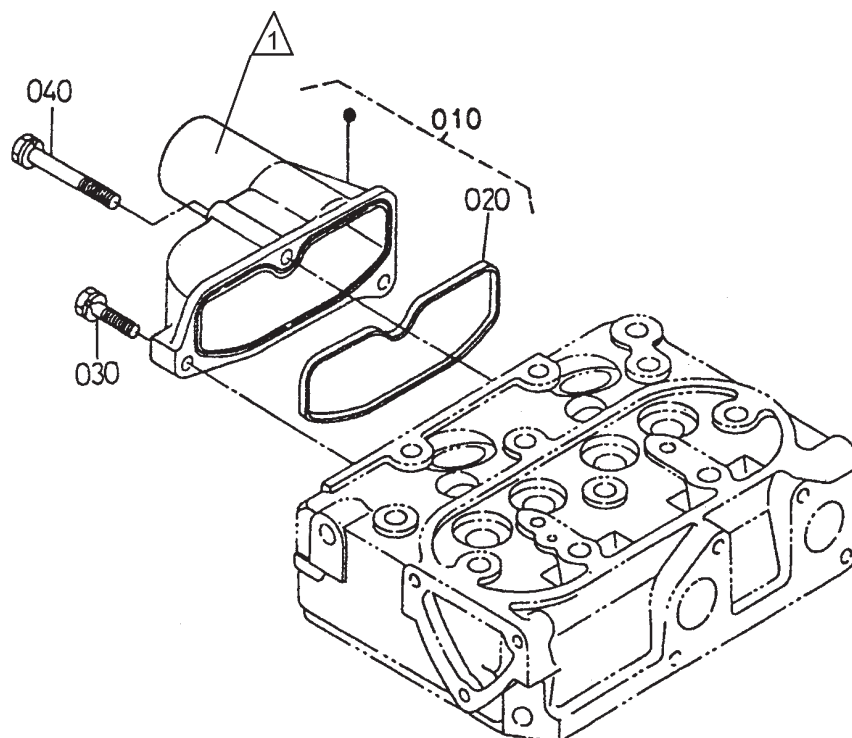
△² ITEM 130A (FLANGE BOLT) IS USED ON KUBOTA Z482-E2B AND Z482-E3B ENGINES ONLY.

KUBOTA Z482-EB/E2B/E3B ENG. — VALVE AND ROCKER ARM ASSY.

VALVE AND ROCKER ARM ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1460113110	VALVE, INLET	2	
020	1460113120	VALVE, EXHAUST	2	
030	1460113240	SPRING, VALVE	4	
040	1460113330	RETAINER, SPRING	4	
050	1460113360	COLLET, VALVE SPRING SET	4	
060	1685113280	CAP, VALVE	4	
070	1584113150	SEAL, VALVE STEM	4	
080	1584114263	SHAFT, ROCKER ARM	1.....	Z482-EB AND Z482-E2B
080	1584114264	SHAFT, ROCKER ARM	1.....	Z482-E3B
090	1687114430	WASHER	2	
100	1584194022	WASHER, FLAT	2	
110	0102350610	BOLT	2	
120	1584114350	BRACKET, ROCKER ARM	2.....	Z482-EB
120	1G95814350	BRACKET, ROCKER ARM	2.....	Z482-E2B AND Z482-E3B
130	1460114410	STUD	2.....	Z482-EB
130A	0175450640	BOLT FLANGE.....	2.....	Z482-E2B AND Z482-E3B
140	0205650060	NUT.....	2.....	Z482-EB ONLY
150	0401250060	WASHER, FLAT	2.....	Z482-EB ONLY
160	0451260060	WASHER, LOCK.....	2.....	Z482-EB ONLY
170	0541100420	PIN, SPRING	1	
180	1460114310	SPRING, ROCKER ARM.....	1.....	Z482-EB AND Z482-E2B
180	1460114312	SPRING, ROCKER ARM.....	1.....	Z482-E3B
190	1584114030	ROCKER ARM ASSY.....	4.....	INCLUDES ITEMS W/#
200#	1584114230	SCREW, ADJUSTING	4	
210#	1460114240	NUT	4	

KUBOTA Z482-EB/E2B/E3B ENGINE — INLET MANIFOLD ASSY.



NOTES

 ITEM 010 (MANIFOLD INLET ASSY.) IS USED ON KUBOTA Z482-EB ENGINE ONLY.

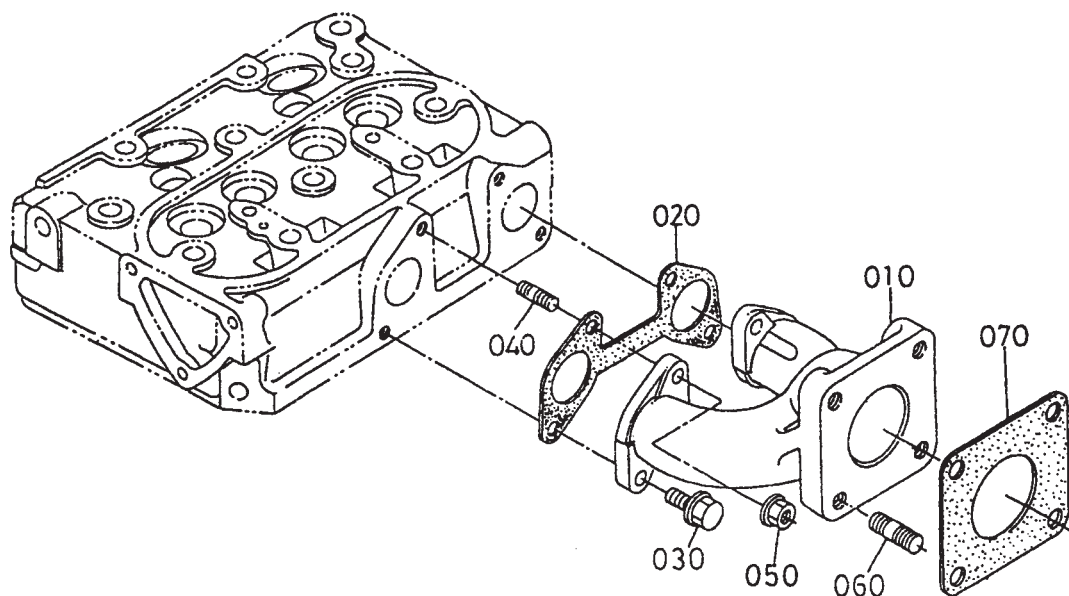
 ITEM 010A (MANIFOLD INLET ASSY.) IS USED ON KUBOTA Z482-E2B AND Z482-E3B ENGINES ONLY.

KUBOTA Z482-EB/E2B/E3B ENGINE — INLET MANIFOLD ASSY.

INLET MANIFOLD ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1584111770	MANIFOLD, INLET ASSY., Z482-EB	1.....	INCLUDES ITEMS W/%
010A	1G95711771	MANIFOLD, INLET ASSY., Z482-E2B/E3B	1.....	INCLUDES ITEMS W/#
015#	1G96005550	PIPE BREATHER.....	1.....	Z482-E2B AND Z482-E3B
020%#	1584111820	GASKET, IN-MANIFOLD	1	
030	0102350618	BOLT	2	
040	0102350645	BOLT	1	

KUBOTA Z482-EB/E2B/E3B ENGINE — EXHAUST MANIFOLD ASSY.

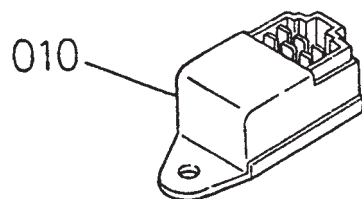


KUBOTA Z482-EB/E2B/E3B ENGINE — EXHAUST MANIFOLD ASSY.

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	1584112360	GASKET	1	
030	0175950616	BOLT, UBS	2	
040	0151350618	STUD	2	
050	0275650060	NUT, UBS	2	
060	0151350822	STUD	4	
070	1526312370	GASKET, MUFFLER	1	

KUBOTA Z482-EB/E2B/E3B ENG. — GLOW PLUG/LAMP AND TIMER ASSY.

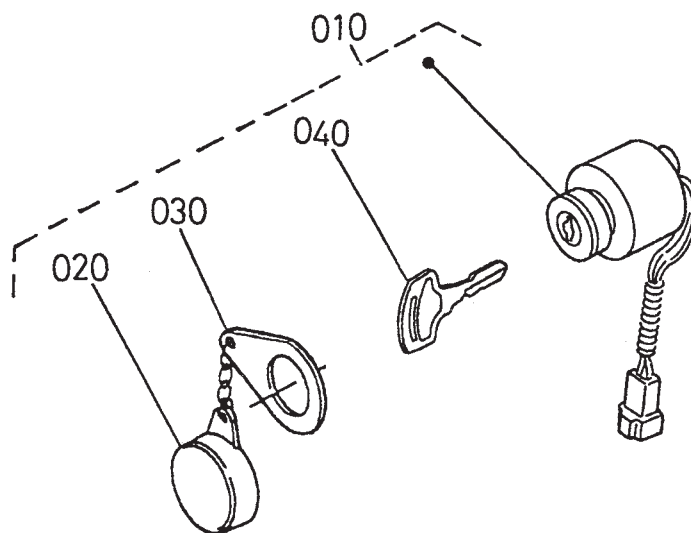


KUBOTA Z482-EB/E2B/E3B ENG. — GLOW PLUG/LAMP AND TIMER ASSY.

GLOW PLUG/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-EB/E2B/E3B ENGINE — STARTER SWITCH ASSY.

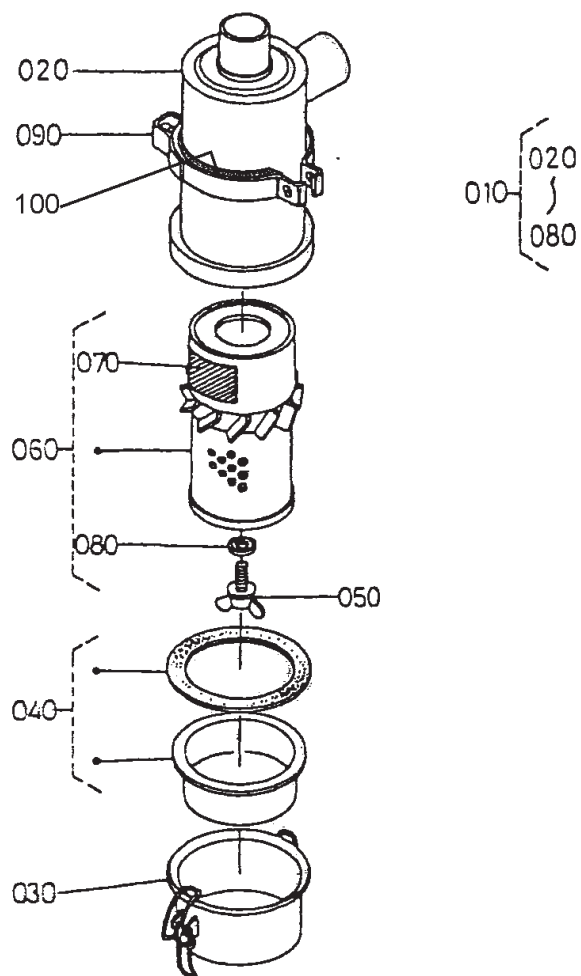


KUBOTA Z482-EB/E2B/E3B ENGINE — STARTER SWITCH ASSY.

STARTER SWITCH ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	3741059110	STARTER SWITCH ASSY.....	1.....	INCLUDES ITEMS W/%
020%	3741055180	CAP, STARTER SWITCH	1	
030%	6641655170	WASHER	1	
040%	3741055150	KEY, STARTER	1	

KUBOTA Z482-EB/E2B/E3B ENGINE — AIR CLEANER ASSY.

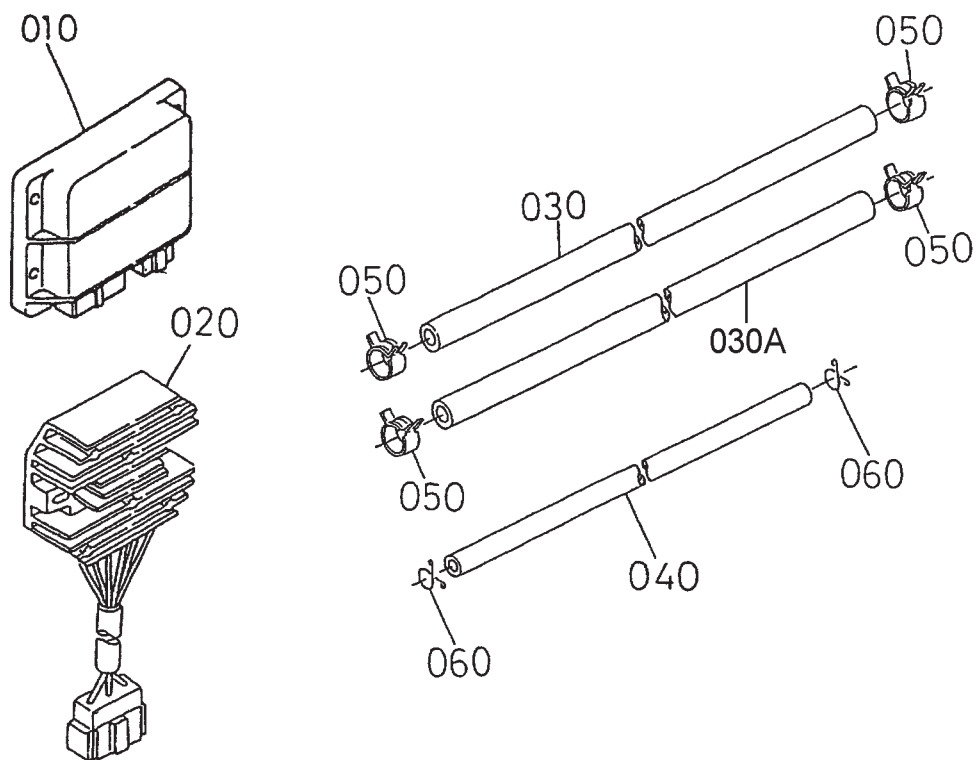


KUBOTA Z482-EB/E2B/E3B ENGINE — AIR CLEANER ASSY.

AIR CLEANER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1556211010	AIR CLEANER ASSY.....	1.....	INCLUDES ITEMS W/@
020@	155451115	BODY, AIR CLEANER	1	
030@	1558911160	COVER, AIR CLEANER	1	
040@	1522111410	COVER, BAFFLE	1	
050@	1522192620	BOLT, WING	1	
060@	1556211080	ELEMENT, AIR CLEANER ASSY.	1.....	INCLUDES ITEMS W/#
070@#	1522787480	LABEL, ELEMENT A/C	1	
080@#	1522194430	WASHER, WITH RUBBER	1	
090	3415013960	BAND, AIR CLEANER	1	
100	3415013970	CUSHION	1.....	Z482-EB ONLY

KUBOTA Z482-EB/E2B/E3B ENGINE — ACCESSORIES

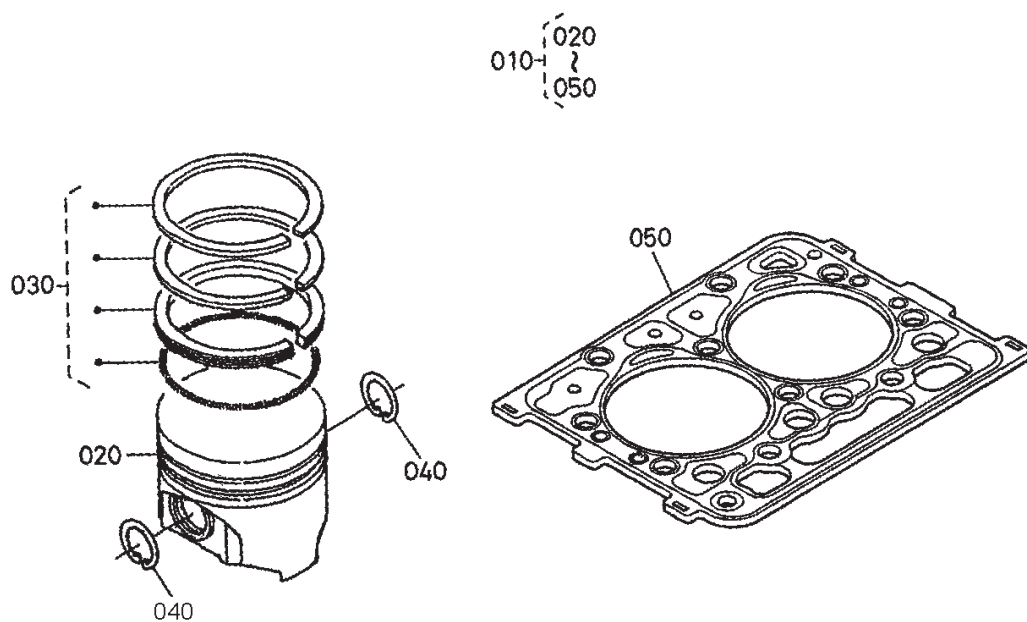


KUBOTA Z482-EB/E2B/E3B ENGINE — ACCESSORIES

ACCESSORIES

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1747260604	EMERGENCY UNIT	1	
020	1584464600	COMP. REGULATOR	1	REPLACES P/N 1518164602
030	0966180400	TUBE FUEL. 8X13X400L	1	
030A	0966180240	TUBE FUEL. 8X13X240L	1	
040	0966140320	TUBE FUEL. 4X8X320L	1	
050	1491142750	CLIP, PIPE	4	
060	1497142750	CLIP, PIPE	6	

KUBOTA Z482-EB/E2B/E3B ENGINE — PISTON KIT (OPTION)



KUBOTA Z482-EB/E2B/E3B ENGINE — PISTON KIT (OPTION)

PISTON KIT (OPTION)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1685321002	KIT, PISTON, Z482-E2B/E3B.....	1.....	INCLUDES ITEMS W/%
020%	1685121114	PISTON	1	
030%	1685321050	ASSY. PISTON RING	1	
040%	1526121330	CIRCULAR CLIP PISTON PIN	1	
050%	1685103312	GASKET, CYLINDER HEAD	1	