

1. このパーツカタログに記載されている部品は、必ずしも標準装備部品ではありません。
 2. 部品変更は、予告なく行うことがあります。
 3. パーツカタログリスト様式

Fig. 29 燃料噴射ポンプ(ブーコン用)
FUEL INJECTION PUMP (W/BOOST)

見 出 REF.No.	部品番号 PARTS No.	部 品 名	DESCRIPTION	個 数 (Q'ty)						I	R	K
				A	B	C	D	E	F			
1	729595-51390	F0ポンプ ASY(ブーコン用)	FULE INJECTION PUMP	1	1	1	1	1	1			
1- 1	729595-51391	F0ポンプ ASY(ブーコン用)	FULE INJECTION PUMP	1	1	1	1	1	1			
3	(A=E/#00185)(B=E/#00200)	ナベコジ M 6X 16	SCREW M 6X 16	9	9	9	9	9	9			
I 3- 1	26022-060162	ナベコジ M 6X 16	SCREW M 6X 16	4	4	4	4	4	4			K
4	(A=E/#00185)(B=E/#00200)(C=E/#00156)(D=E/#00156)(E=E/#00156)	カムシャフト	CAMSHAFT	1	1	1	1	1	1			
5	122710-51050	ベアリング*ローラ	BEARING, ROLLER	2	2	2	2	2	2			
6	129470-51060	ベアリング*サエ	RETAINER	1	1	1	1	1	1			

備 考
 (1) ブーストコンベンサータ付き、4JH-DT, 4JH-DTZとも
 E/# 00155までは、特別注文仕様とします

Remarks
 (1) BOOST COMPEMSATOR TYPE.
 OPTIONAL PART, TO E/# 00155,
 (4JH - DT, 4JH - DTZ)

① 見出 No.(REF.No.)

リスト頁の見出 No.とイラスト図番の末尾が一致しない場合があります。

(例) イラスト図番 リスト頁の見出 No.

1 1 (変更前) → 1-1 (変更後)

互換性記号 N, R, K の場合は新部品のイラストを省略している場合があります。

③ 変 更 マ ー ク

前回出版したパーツカタログには無く、今回新規に設計変更が発生した部品について " I " 印が表示されます。

④ 互 換 性 区 分

部分変更が行われた場合、その部品に対して下記の互換性記号が表示されます。

記号	互換性	内 容
N	旧 ↔ 新	新部品は、旧部品に対して互換性有り、その逆は無し。
Q	旧 ↔ 新	新部品は、旧部品に対して互換性無し、その逆は有り。
R	旧 ↔ 新	新・旧部品双方に対して互換性有り。
S	旧 ↔ 新	新・旧部品双方に対して互換性無し。
W		新規追加となった部品。
Z		廃止された部品。
F		単品では、互換性無し。但し関連部品セットにて互換性有り。
K		使用個数のみの変更。

⑤ 実 施 号 機

部品が変更された時には、適用される商品形式の実施号機が (A) ~ (F) 欄毎に表示されます。

商品記号	商 品 No.	商品記号	商 品 No.
C	クラッチ No. コンプレッサ No.	M	本機 No.
D	ドライブ No.	T	トラクタ No.
E	エンジン No.	注 1)※	西暦年月

注 1) 記号の後の西暦年月を記載している事もあります。(例) ※ 1996. 01

注 2) 実施号機が ××× は、部品変更の予告又は、実施号機が確定できなかった部品です。

注 3) (A=E/# 00185) は、A 欄の商品形式 (=4JH-DT) の部品変更実施号機は、E/# (=エンジン No.) が 00185 号機以降であることを示します。

⑥ 備考(リマークス)区分

R 欄に数字又は、英字 (記号) を表示してあります。

リスト下段に上記の記号と同一記号を表記して当該部品に対するコメント(備考)を表示しています。

How to read this Parts Catalog

1. Parts mentioned in this Parts Catalog may not necessarily be standard equipping parts.
2. Parts change may be made without prior notice.
3. Form of this Parts Catalog.

Fig 29 燃料噴射ポンプ(ブーコン用)
FUEL INJECTION PUMP (W/BOOST)

A= 4JH-DT	D= 4JH-DTZA
B= 4JH-DTZ	E= 4JH-DTZY
C= 4JH-DTZP	F=

見出 REF.No.	部品番号 PARTS No.	部 品 名	DESCRIPTION	個 数 (Q'ty)							備 考 REMARKS
				A	B	C	D	E	F		
1	729595-51390	F0ポンプ ASY(ブーコン用)	FULE INJECTION PUMP	1	1	1	1	1	1	1	
1- 1	729595-51391	F0ポンプ ASY(ブーコン用)	FULE INJECTION PUMP	1	1	1	1	1	1	1	
3	(A=E/#00185) (B=E/#00200)										
	26022-060162	ナメコネジ M 6X 16	SCREW M 6X 16	9	9	9	9	9	9	9	
1 3- 1	26022-060162	ナメコネジ M 6X 16	SCREW M 6X 16	4	4	4	4	4	4	4	K
	(A=E/#00185) (B=E/#00200) (C=E/#00156) (D=E/#00156) (E=E/#00156)										
4	129470-51040	カムシャフト	CAMSHAFT	1	1	1	1	1	1	1	
5	122710-51050	ベアリングローラ	BEARING, ROLLER	2	2	2	2	2	2	2	
6	129470-51060	ベアリングホルダー	RETAINER	1	1	1	1	1	1	1	

備 考

(1) ブーストコンペンサータ付き, 4JH-DT, 4JH-DTZとも
E/# 00155 までは, 特別注文仕様とします

Remarks

(1) BOOST COMPENSATOR TYPE.
OPTIONAL PART, TO E/# 00155,
(4JH - DT, 4JH - DTZ)

① Ref. No.

The Ref. No. in the list may not be accord with the Ref. No. on illustration.

(Ex.) Illustration No.

List head No.

1

1 (Before change)

→

1-1

(After change)

When interchangeable symbol N, R, and K, illustrations for new parts are sometimes omitted.

③ Change Mark

Change Mark "I" is given to the part for which a design change was made at this time.

The design change was not shown in the last published Parts Catalog.

④ Interchangeability Mark

In the case where a part change took place, one of the following interchangeability marks is indicated for that part.

Symbol	Interchangeability	Contents note
N	Old ↔ New	New Part is interchangeable for Old Part but not interchangeable conversely.
Q	Old ↔ New	New Part is not interchangeable for Old Part but interchangeable conversely.
R	Old ↔ New	New Part is interchangeable for Old Part and vice versa.
S	Old ↔ New	New Part is not interchangeable for Old Part and vice versa.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable single part but interchangeable by set of the related parts.
K		Changed only in quantity used.

⑤ Effective Machine No.

When a part is changed, Effective Machine No. of a Model for which the part is applicable is indication in each column of (A) - (F).

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No. Compressor No.	M	Machine No.
D	Drive No.	T	Tractor No.
E	Engine No.	Note1) ※	Date

Note1) Date may follow the symbol in some cases. (Ex.) ※ 1996.01

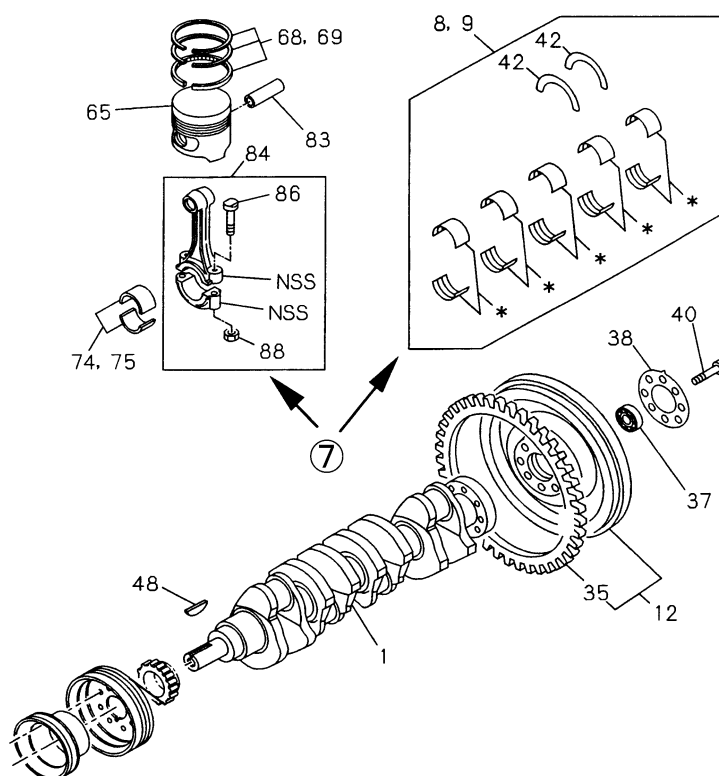
Note2) As far as engine models shown by "XXX" are concerned, the modification of the parts could not be predicted or the engine models themselves could not be identified.

Note3) (A=E/#00185) means that the design change on the part has been effective for the model at the column (A) (in this case, for 4JH-DT) on and from E/# (Engine Serial Number) 00185.

⑥ Remarks Mark

Figures or alphabets (Symbols) are entered in the remark column.

The comments (remarks) on the pertinent parts are indicated in the lower part of the list by the same symbols as those stated above.



⑦ 親・子の表示

部品の親（アセンブリ）と子（その構成部品）の関係を表現するもので、イラスト上でのみ表現されます。

（例１） KEY NO. 84は86／88及びNSS（コンロット、キャップは単品非補給）を含むことを示しています。

（例２） KEY NO. 8／9は42、及び*印（単品非補給、キットの内容品）を含むことを示しています。

⑦ ASSEMBLIES, KITS, SETS AND THEIR COMPONENTS

Assemblies, Kits and/or Sets are shown within a frame/box. Also shown within the frame/box are any components included with the assembly, Kit or Set.

EXAMPLE: Key No.84 includes Key No.86/88 and the connecting Rod and Cap which are notsupplied individually.

EXAMPLE: Key No.8/9 includes Key No.42 and those items identified with an asterisk(*). Items identified with no key number may only be available in an assembly, Kit or Set.

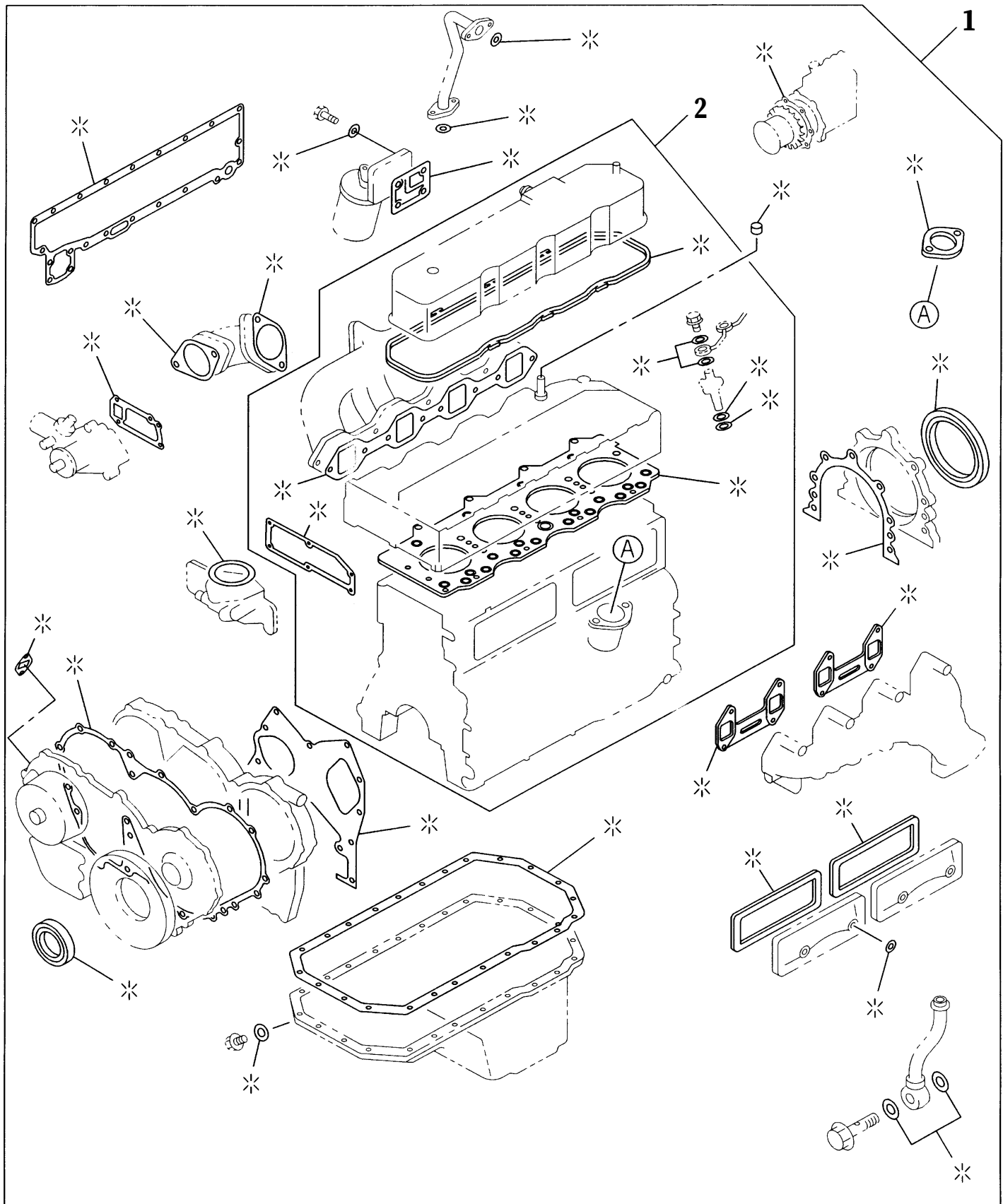
略語表 / Abbreviation List

略語 ABBREVIATIONS	語源 DEFINITION	略語 ABBREVIATIONS	語源 DEFINITION
A	AMPERE	KOYO	KOYO SEIKO CO.
ACCEL	ACCELATOR	KW	KILOWATT
ACL	AIR CLEANER	L	LITER
ADJ	ADJUSTER	L1=	LENGTH(VERTICAL)
AL	ALUMINUM	L2=	LENGTH(SIDE)
A/R	AS REQUIRED	L=	LENGTH
ASM	ASSEMBLY	LH	LEFT HAND
AUTO	AUTOMATIC	LK	LOCK
B=	BREADTH	LVR	LEVER
BRG	BEARING	LWR	LOWER
BRK	BRAKE	MAN	MANUAL
BRKT	BRACKET	MANIF	MANIFOLD
CAC	CHARGE AIR COOLER	MTG	MOUNTING
C/BL	CYLINDER BLOCK	M/T	MANUAL TRANSMISSION
CLU	CLUTCH	MM	MILLIMETER
CMPR	COMPRESSOR	NACHI	FUJIKOSHI CO.
COMB	COMBINATION	NGK	NIHON TOKUSHU TOGYO CO.
COMPL	COMPLETE	NO.	NUMBER
CONN	CONNECTING	NOK	NOK CO.
CONT	CONTROL	NOS	NIHON OIL SEAL CO.
CVR	COVER	NPN	NO PART NUMBER
CYL	CYLINDER	NPR	NIPPON PISTON RING CO.
D=	DIAMETER	NSG	NIPPON SHEET GLASS CO.
DC	DIRECT CURRENT	NSS	NOT SERVICED SEPARATELY
DIAPH	DIAPHRAGM	NSK	NIHON SEIKO CO.
DIFF	DIFFERENTIAL	NTN	TOYO BEARING CO.
EGR	EXHAUST GAS RECIRCULATION	OD	OUTSIDE DIAMETER
ENG	ENGINE	OPT	OPTION
EXC	EXCEPT	OVS	OVERSIZE
EXH	EXHAUST	PCV	POSITIVE CRANK CASE VENTILATION
E #	ENGINE NUMBER	PL	PLAIN
EXP	EXPORT	PRE-CHAMBER	PRECOMBUSTION CHAMBER
FIG NO.	FIGURE NUMBER	PROP	PROPELLER
FLEX	FLEXIBLE	P/S	POWER STEERING
FRT	FRONT	PTO	POWER TAKE OFF
FWD	FORWARD	QOS	QUICK ON START
G	GRAM	QTY	QUANTITY
GEN	GENERATOR	QUAD	QUADRANT
GOV	GOVERNOR	RAD	RADIATOR
GRD=	GRADE	REG	REGULATOR
G/RATIO	GEAR RATIO	RET	RETAINER
H=	HEIGH	REV	REVERSE
HD	HEAD	RH	RIGHT HAND
HEX	HEXAGON	RR	REAR
HSG	HOUSING	RWD	REARWARD
ID=	INSIDE DIAMETER	SPD	SPEED
IGN	IGNITION	SPR	SPRING
INCL	INCLUDING	STD	STANDARD
INJ	INJECTION	SW	SWITCH
INL	INLET	SYN	SYNCHRONIZER
ISC	IDLE SPEED CONTROL	T=	THICKNESS
JBK	JIDOSHA BUHIN KOGYO CO.	TAP	TAPPING
KG	KILOGRAM	TC	TURBOCHARGER
KM/H	KILOMETER PER HOUR		

略語 ABBREVIATIONS	語源 DEFINITION	略語 ABBREVIATIONS	語源 DEFINITION
TICS	TIMING INJECTION CONTROL SYSTEM		
TEMP	TEMPERATURE		
TRANS	TRANSMISSION		
UNSI	UNDER SIZE		
UPR	UPPER		
V	VOLT		
VAC	VACUUM		
VLV	VALVE		
W	WATT		
W/	WITH		
WO/	WITHOUT		
Z=	TEETH		
ZN	ZINC		
&	AND		
"	INCH		
#	NUMBER		
1ST	FIRST		
2ND	SECOND		
3RD	THIRD		
4TH	FOURTH		
5TH	FIFTH		
6TH	SIXTH		
7TH	SEVENTH		
8TH	EIGHTH		
9TH	NINTH		

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MANIFOLD	Fig. 8
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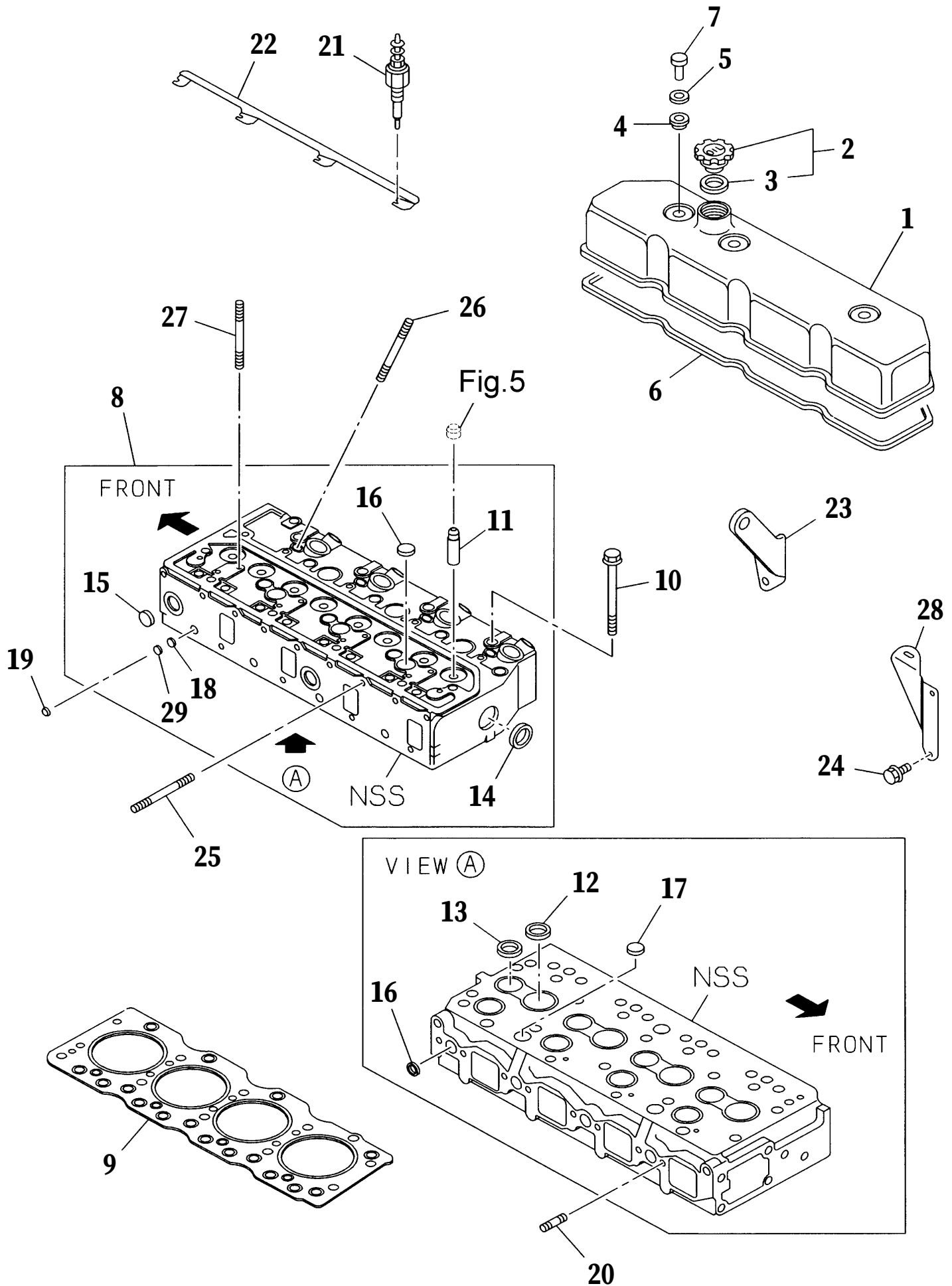
Engine for TB1140 BB-4BG1-TRE (ISUZU)
ENGINE GASKET KIT



Engine for TB1140 BB-4BG1-TRE (ISUZU)
ENGINE GASKET KIT

Item ID	Parts Number	ENGINE CHARGE 部品種類	Qty
1	587814-0023	GSKET SET; ENG OVERHAUL	1
2	587813-8421	GSKET SET; ENG HD OVERHAUL	1

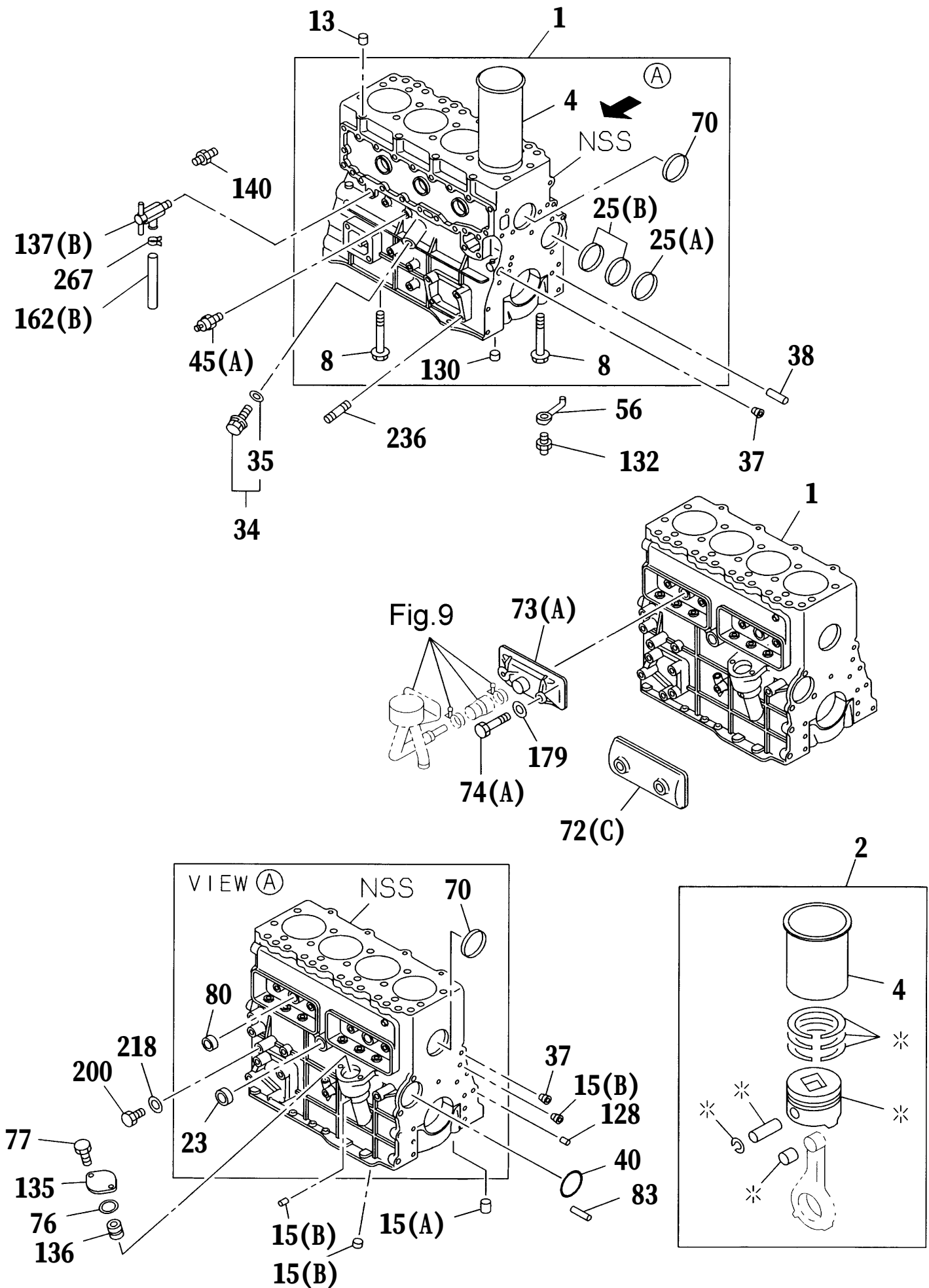
Engine for TB1140 BB-4BG1-TRE (ISUZU)
CYLINDER HEAD



Engine for TB1140 BB-4BG1-TRE (ISUZU)
CYLINDER HEAD

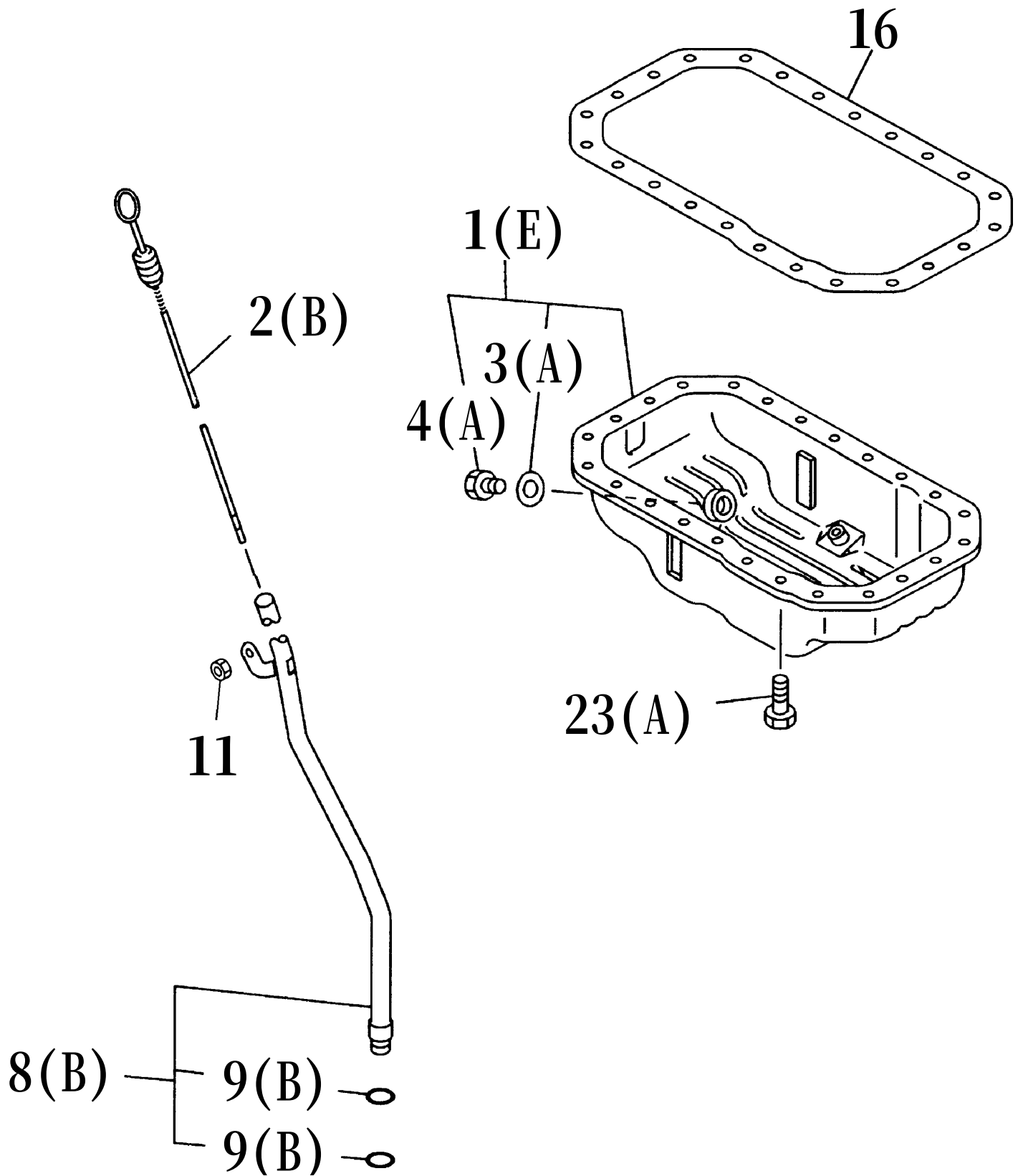
Item ID	Parts Number	部品種類	Qty
1	897223-7600	COVER; CYL HD	1
2	894399-7230	CAP; OIL FILLER	1
3	894399-6890	GASKET; OIL FILLER	1
4	911179-0300	GASKET; HD COVER	3
5	911179-1050	WASHER; CAP NUT, HD COVER	3
6	897326-2510	GASKET; HD TO COVER	1
7	911175-0120	NUT; CAP, HD COVER	3
8	897369-5500	HEAD ASM; CYL	1
9	897222-1171	GASKET; CYL HD	1
10	109070-1001	BOLT; CYL HD TO BLOCK (M12X100)	4
	109070-1011	BOLT; CYL HD TO BLOCK (M12X113)	14
11	111721-0130	GUIDE; VLV	8
12	897037-6860	SEAT; VLV INSERT (OD=47 INLET)	4
13	511711-0280	SEAT; VLV INSERT (OD=39 EXHAUST)	4
14	109600-0051	CUP; SEALING, CYL HEAD (OD=45)	1
15	511219-0150	CUP; SEALING, CYL HEAD (OD=32)	2
16	109600-0160	CUP; SEALING, CYL HEAD (OD=25)	7
17	911129-1280	CUP; SEALING, CYL HEAD (OD=20)	2
18	509600-0130	CUP; SEALING, CYL HEAD (OD=12.3)	4
19	911129-6010	CUP; SEALING, WATER JACKET	4
20	904110-8250	STUD; INL MANIF	4
21	182513-0451	PLUG; GLOW	4
22	519732-0022	CONNECTOR; GLOW PLUG	1
23	911777-8050	HANGER; ENG, RR	1
24	028081-0200	BOLT; HANGER	4
25	894156-9390	STUD; EXH MANIF (M8X75 L=87)	2
	894156-9400	STUD; EXH MANIF (M8X60 L=72)	2
26	109300-0180	STUD; INJ NOZZLE	8
27	509300-0650	STUD; ROCKER ARM	3
28	511777-0640	HANGER; ENG, FRT	1
29	909660-0340	PLUG; PLATE	4

Engine for TB1140 BB-4BG1-TRE (ISUZU)
CYLINDER BLOCK



Engine for TB1140 BB-4BG1-TRE (ISUZU)
CYLINDER BLOCK

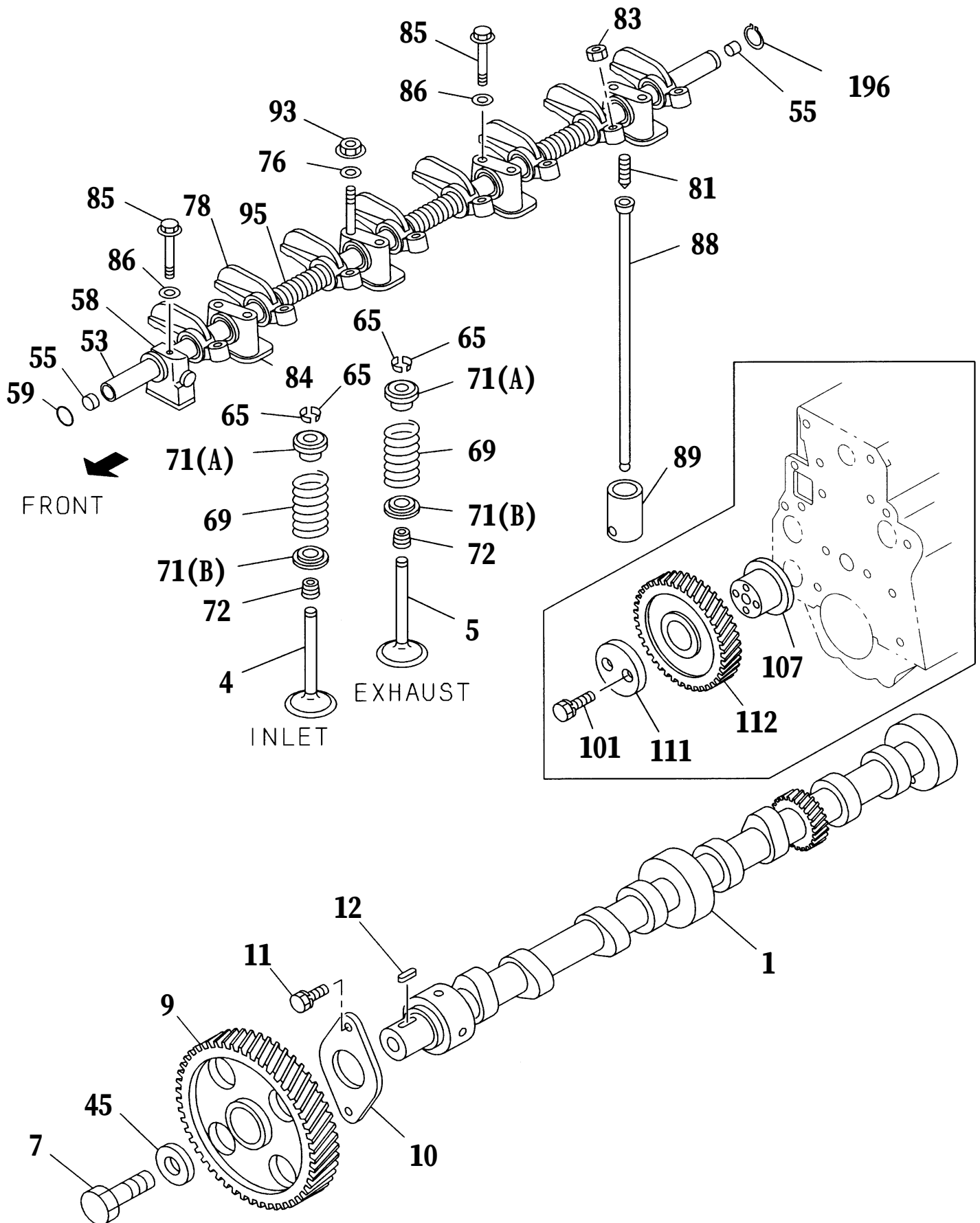
Item ID	Parts Number	部品種類	Qty
1	897123-9542	BLOCK ASM; CYL	1
2	587814-4590	LINER SET; ENG CYL (GRADE=1)	4
	587814-4600	LINER SET; ENG CYL (GRADE=2)	4
	587814-4610	LINER SET; ENG CYL (GRADE=3)	4
	587814-4620	LINER SET; ENG CYL (GRADE=4)	4
4	111261-3820	LINER; C/BL (OD GRD=1, ID GRD=AX)	4
	111261-3830	LINER; C/BL (OD GRD=1, ID GRD=CX)	4
	111261-3840	LINER; C/BL (OD GRD=2, ID GRD=AX)	4
	111261-3850	LINER; C/BL (OD GRD=2, ID GRD=CX)	4
	111261-3860	LINER; C/BL (OD GRD=3, ID GRD=AX)	4
	111261-3870	LINER; C/BL (OD GRD=3, ID GRD=CX)	4
	111261-3880	LINER; C/BL (OD GRD=4, ID GRD=AX)	4
	111261-3890	LINER; C/BL (OD GRD=4, ID GRD=CX)	4
8	109000-4692	BOLT; BRG CAP	10
13	894148-0790	DOWEL; C/BL TO HD	2
15(A)	999205-5170	PLUG; OIL GALLERY	1
15(B)	509605-0180	PLUG; OIL GALLERY	7
23	511219-0140	CUP; SEALING, C/BL FRT & RR (OD=28)	1
25(A)	911611-0480	METAL; CM/SHF	1
25(B)	911613-0350	METAL; CM/SHF	2
34	897023-3390	VALVE; OIL RELIEF	1
35	509623-0350	GASKET; RELIEF VLV	1
37	109605-0681	PLUG; OIL GALLERY	2
38	109740-0780	PIN; TIMING GEAR CASE	1
40	894344-4620	CUP; SEALING, C/BL RR (OD=67)	3
45(A)	182410-0082	SWITCH; OIL PRESSURE	1
56	113342-1320	JET; OIL, PISTON COOLING	4
70	109600-0520	CUP; SEALING, FRT & RR (OD=60)	2
72(C)	897222-1041	COVER; TAPPET CHAMBER	1
73(A)	111290-2541	COVER ASM; TAPPET CHAMBER	1
74(A)	894367-5301	BOLT; COVER TO C/BL (8X56 FLANGE)	2
	894429-9951	BOLT; COVER TO C/BL (8X84)	2
76	109623-4650	GASKET; COVER TO C/BL	1
77	028680-8200	BOLT; COVER TO C/BL	2
80	109600-0121	CUP; SEALING, TAPPET CHAMBER	2
83	908151-0180	PIN; FLYWHEEL HSG	2
128	908160-8160	PIN; STRAIGHT, OIL SEAL RET	2
130	511257-0011	DOWEL; BRG CAP	1
132	113161-0120	VALVE; CHECK, OIL	4
135	111219-1291	COVER; OIL PUMP	1
136	511224-0040	BUSHING; DRIVE SHAFT, OIL PUMP	1
137(B)	509680-0110	COCK; DRAIN, WATER	1
140	509660-0330	NIPPLE; INJ PUMP	1
162(B)	909914-7010	HOSE; WATER DRAIN, C/BL	1
179	909572-0080	GASKET; COVER TO BOLT	4
200	999202-3140	PLUG; OIL GALLERY	1
218	909572-0140	GASKET; PLUG, C/BL SIDE	1
236	109300-0550	STUD; ENG FOOT	1
267	509707-0041	CLIP; DRAIN HOSE	1



Engine for TB1140 BB-4BG1-TRE (ISUZU)
OIL PAN & LEVEL GAUGE

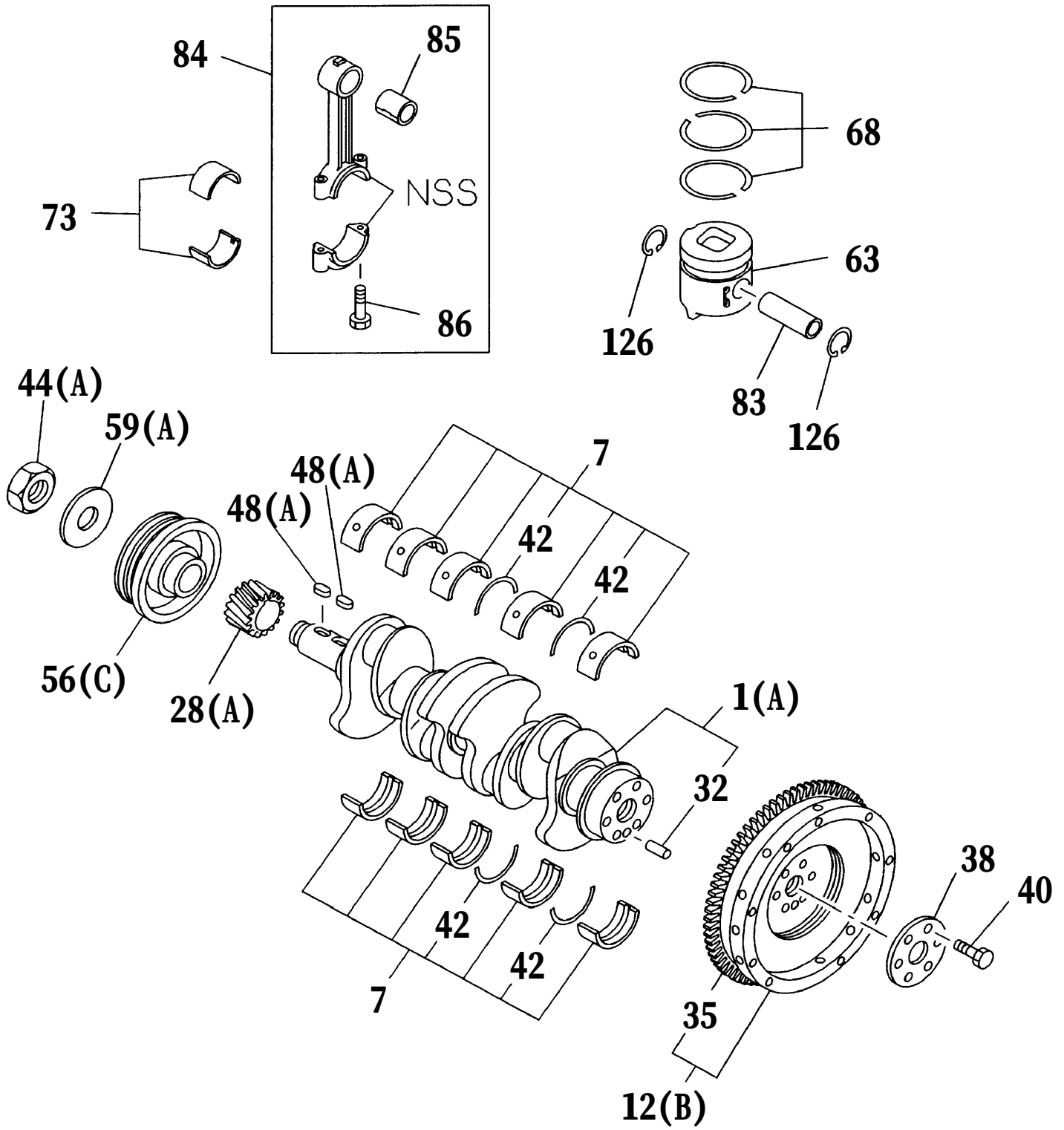
Item ID	Parts Number	部品種類	Qty
1(E)	897128-0230	PAN ASM; OIL	1
2(B)	894420-6610	GAUGE; OIL LEVEL	1
3(A)	109623-0570	GASKET; DRAIN PLUG	1
4(A)	909662-0120	PLUG; DRAIN, OIL	1
8(B)	894416-7133	TUBE; GUIDE, OIL LEVEL GAUGE	1
9(B)	509623-0020	GASKET; GUIDE TUBE, OIL LEVEL GAUGE	2
11	091150-1080	NUT; GUIDE, OIL LEVEL GAUGE	1
16	897352-4030	GASKET; OIL PAN TO C/BL	1
23(A)	050040-8180	BOLT; OIL PAN	24

Engine for TB1140 BB-4BG1-TRE (ISUZU)
CAMSHAFT & VALVE



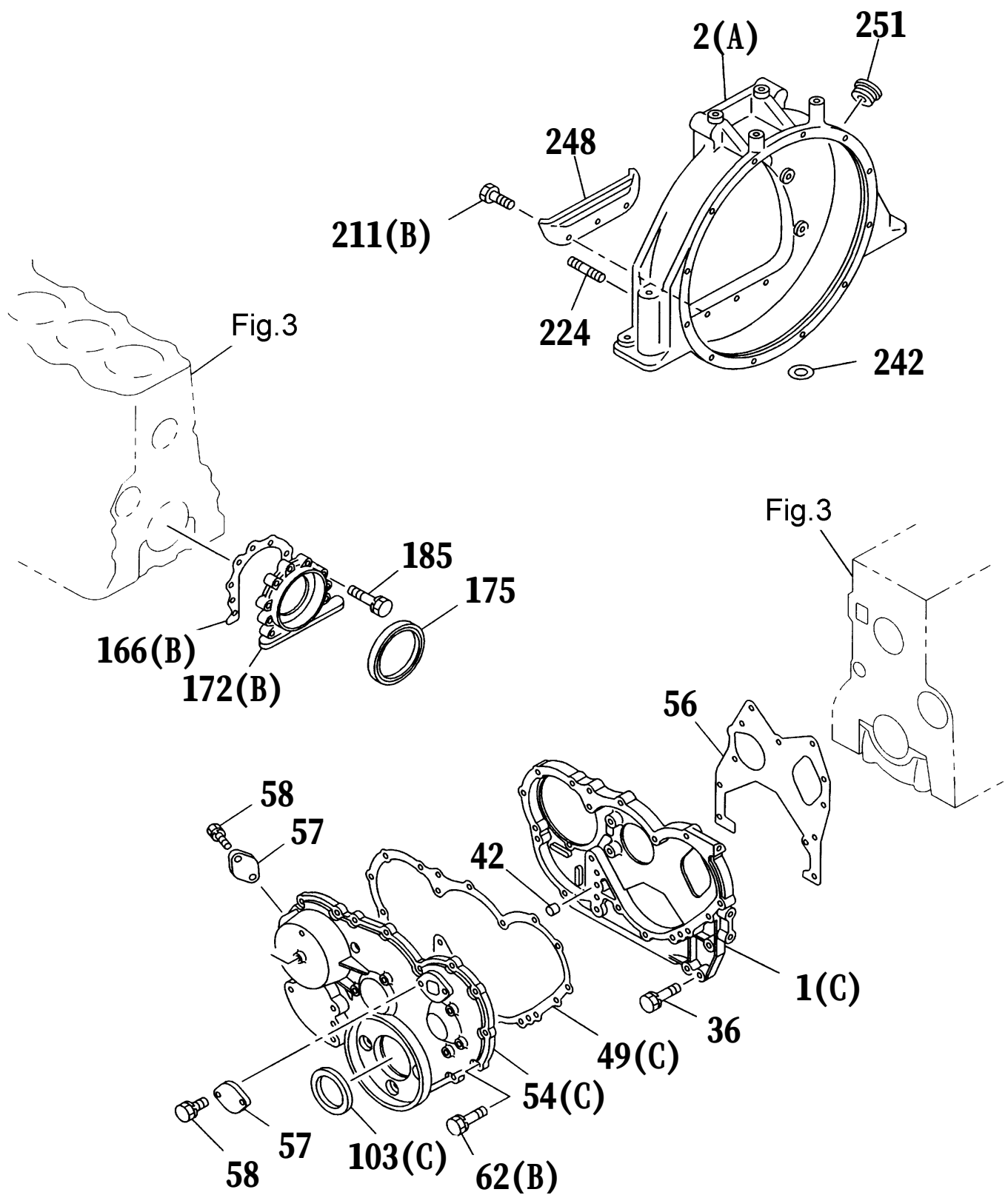
Engine for TB1140 BB-4BG1-TRE (ISUZU)
CAMSHAFT & VALVE

Item ID	Parts Number	部品種類	Qty
1	894409-4120	CAMSHAFT	1
4	112551-1650	VALVE; INL	4
5	112552-1110	VALVE; EXH	4
7	509000-2360	BOLT; CM/SHF GEAR	1
9	112522-0162	GEAR; CM/SHF	1
10	911681-0150	PLATE; THRUST	1
11	050040-8250	BOLT; THRUST PLATE TO C/BL	2
12	908010-7200	KEY; CAM GEAR SET	1
45	909851-8503	WASHER; GEAR CAM	1
53	897222-2450	SHAFT; ROCKER ARM	1
55	912626-0050	PLUG; ROCKER SHAFT END	2
58	512628-0120	BRACKET; ROCKER SHAFT, FRT	1
59	509623-0600	GASKET; ROCKER SHAFT	1
65	512565-0060	COLLAR; SPLIT	16
69	112561-0991	SPRING; VLV, OUTER	8
71(A)	894114-5790	SEAT; SPR	8
71(B)	512563-0010	SEAT; SPR	8
72	897120-1670	SEAL; VLV GUIDE	8
76	909851-4300	WASHER; PL, BRKT	3
78	112611-2490	ARM; ROCKER	8
81	912616-0420	SCREW; ADJ, ROCKER ARM	8
83	909111-5080	NUT; ADJ SCREW, LK	8
84	912628-1050	BRACKET; ROCKER SHAFT, INTER	4
85	109000-5670	BOLT; BRKT	6
86	909851-4300	WASHER; ROCKER ARM FIX	6
88	112575-0360	ROD; PUSH	8
89	512571-0033	TAPPET; VLV	8
93	109400-1160	NUT; BRKT	3
95	109580-3350	SPRING; ROCKER SHAFT	3
101	509030-0381	BOLT; THRUST COLLAR	2
107	912531-0300	SHAFT; IDLE GEAR	1
111	512535-0011	COLLAR; THRUST, IDLE GEAR	1
112	8941339373	GEAR; IDLE	1
196	909180-0190	RING; SNAP	1



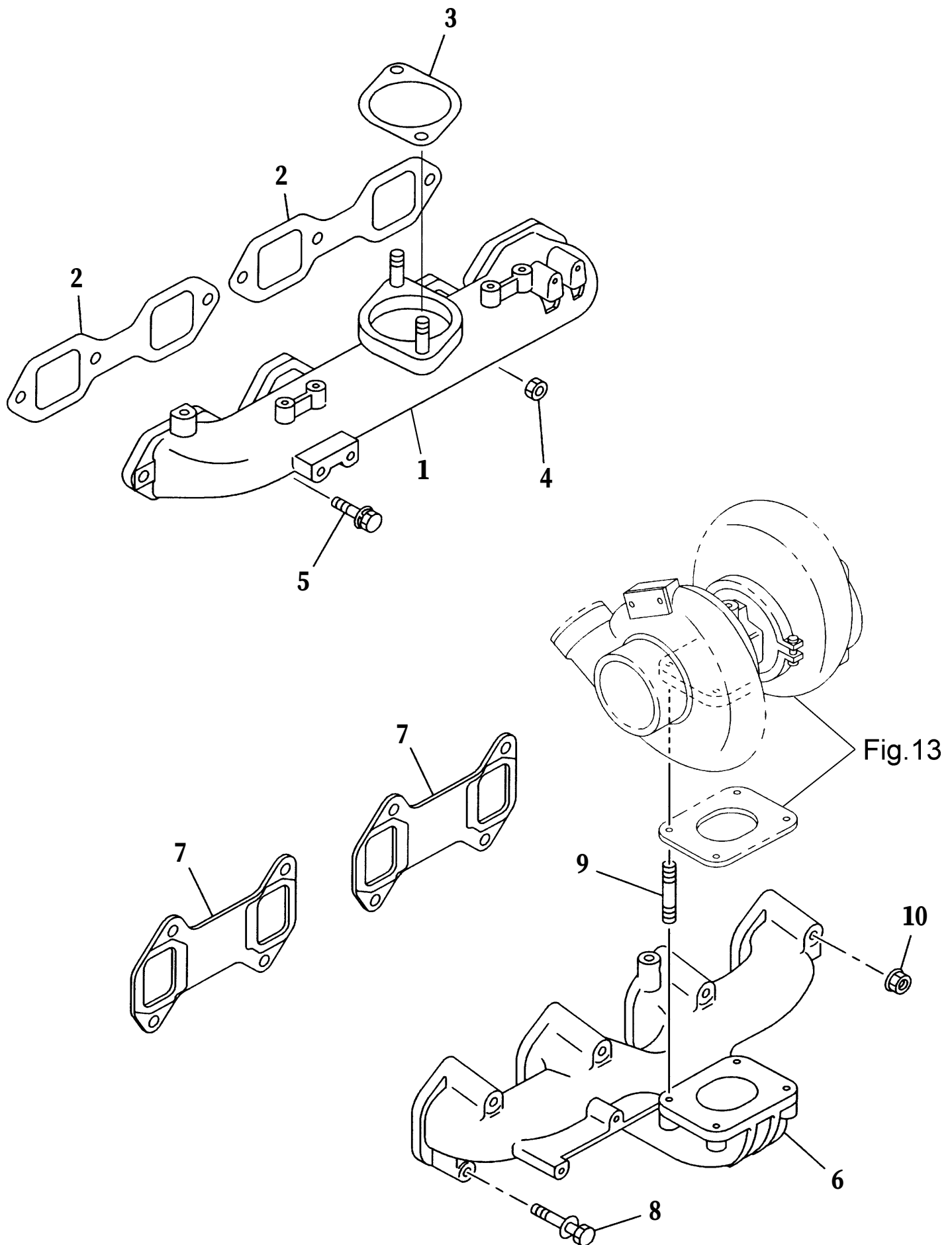
Engine for TB1140 BB-4BG1-TRE (ISUZU)
CRANKSHAFT, PISTON & FLYWHEEL

Item ID	Parts Number	部品種類	Qty
1(A)	894339-8951	CRANKSHAFT	1
7	897071-6610	METAL KIT; CRANKSHAFT, STANDARD	1
12(B)	894406-7545	FLYWHEEL	1
28(A)	897137-9101	GEAR; CR/SHF	1
32	908161-2200	PIN; FLYWHEEL	1
35	897175-9020	GEAR; RING	1
38	512336-0030	WASHER; FLYWHEEL	1
40	512334-0030	BOLT; FLYWHEEL	6
42	897071-3580	WASHER; THRUST, CR/SHF	2
44(A)	512378-0020	NUT; CR/SHF FRT	1
48(A)	894107-5970	KEY; WOODRUFF, CR/SHF	2
56(C)	897172-0400	PULLEY; CR/SHF DAMPER	1
59(A)	509503-0240	WASHER; CR/SHF PULLEY	1
63	897358-5740	PISTON (GRADE=AX)	4
	897358-5750	PISTON (GRADE=CX)	4
68	112121-1460	RING SET; PISTON, STD	4
73	912271-6080	METAL SET; CONN ROD, STD	4
83	112211-0332	PIN; PISTON	4
84	112230-1291	ROD ASM; CONN	4
85	112251-0320	BUSHING; CONNROD	4
86	112235-0271	BOLT; CONNROD	8
126	894107-5751	RING; SNAP, PISTON PIN	8



Engine for TB1140 BB-4BG1-TRE (ISUZU)
GEAR CASE & FLYWHEEL HOUSING

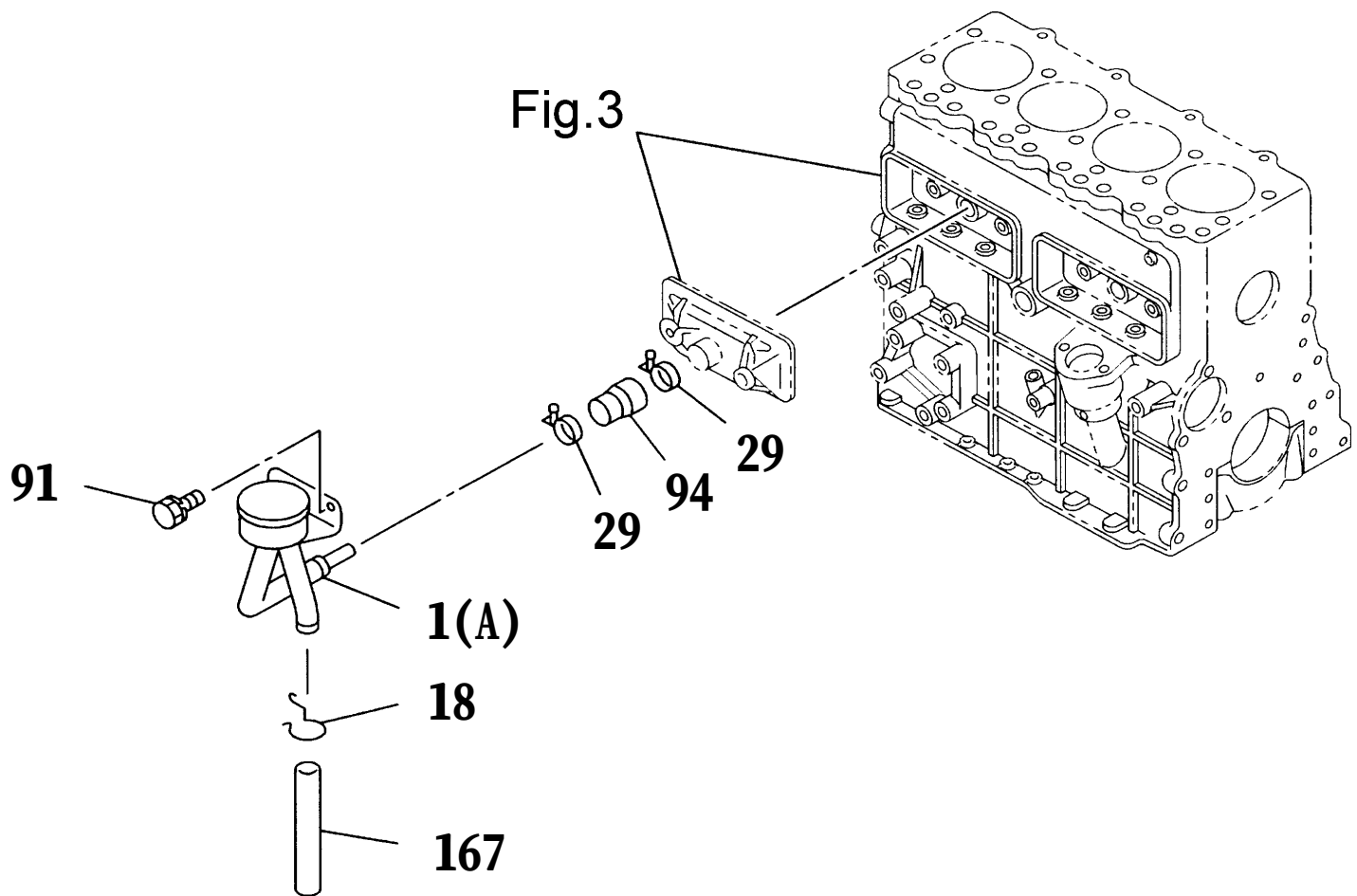
Item ID	Parts Number	部品種類	Qty
1(C)	894450-9752	CASE; TIMING GEAR	1
2(A)	897045-2072	HOUSING; FLYWHEEL	1
36	028080-8220	BOLT; GEAR CASE (M8X22 FLANGE)	4
	028080-8450	BOLT; GEAR CASE (M8X45 FLANGE)	2
42	911229-0581	DOWEL; GEAR CASE COVER	1
49(C)	897233-3010	GASKET; GEAR CASE TO COVER	1
54(C)	897129-8300	COVER; GEAR CASE	1
56	894370-6710	GASKET; GEAR CASE TO COVER	1
57	511321-0090	COVER; TIMING CHECK HOLE	2
58	028080-6120	BOLT; CHECK HOLE COVER	4
62(B)	028080-8220	BOLT; COVER (M8X22 FLANGE)	8
	028080-8800	BOLT; COVER (M8X80 FLANGE)	1
	028081-0500	BOLT; COVER (M10X50 FLANGE)	3
	109044-0711	BOLT; COVER (M8X55 FLANGE)	2
103(C)	109625-4380	SEAL; OIL, CR/SHF, FRT	1
166(B)	894370-6640	GASKET; RET TO C/BL	1
172(B)	897079-5200	RETAINER; CR/SHF	1
175	897072-8231	SEAL; OIL, CR/SHF, RR	1
185	028680-8250	BOLT; RET TO C/BL	7
211(B)	028080-6100	BOLT; HSG (M6X10 FLANGE)	3
224	994411-2350	STUD; STARTER (M12X35 L=53)	2
248	897042-8010	COVER; DUST, FLYWHEEL HSG RET	1
251	911349-1341	COVER; TIMING, CHECK HOLE	1



Engine for TB1140 BB-4BG1-TRE (ISUZU)

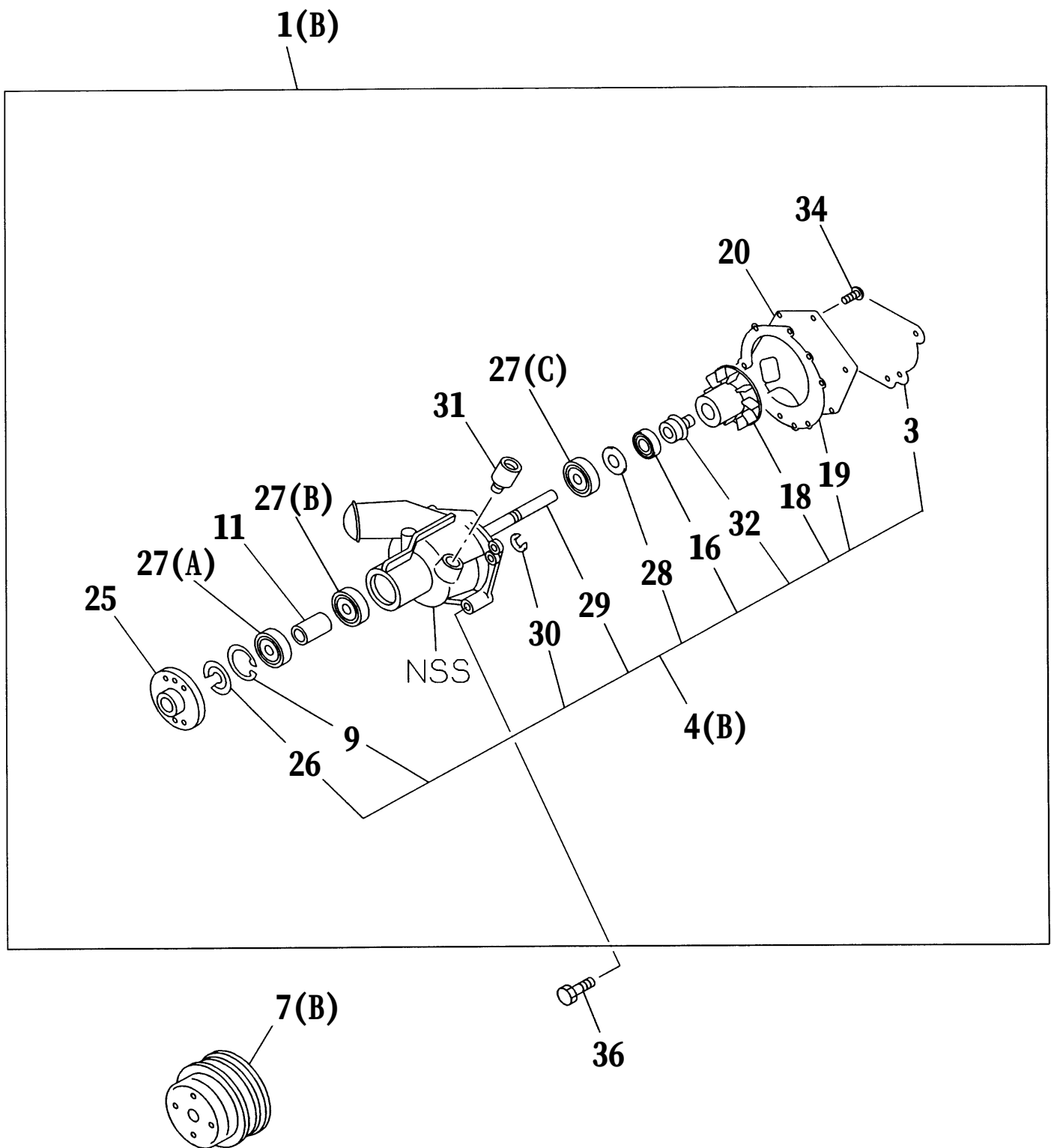
MANIFOLD

Item ID	Parts Number	部品種類	Qty
1	897248-8530	MANIFOLD; INL	1
2	897235-7881	GASKET; INL MANIF TO HD	2
3	894370-6760	GASKET; INT DUCT	1
4	091150-1080	NUT; INL MANIF	4
5	028080-8250	BOLT; BRKT FIX	4
6	894366-0210	MANIFOLD; EXHAUST	1
7	894404-6100	GASKET; EXH MANIF TO HD	2
8	894318-5540	BOLT; EXH MANIF (M8X63 W/PL WASHER)	2
	894318-5550	BOLT; EXH MANIF (M8X75 W/PL WASHER)	2
9	894141-7731	STUD; MANIF TO TURBOCHARGER	4
10	897061-4011	NUT; EXH PIPE	4



Engine for TB1140 BB-4BG1-TRE (ISUZU)
VENTILATION SYSTEM

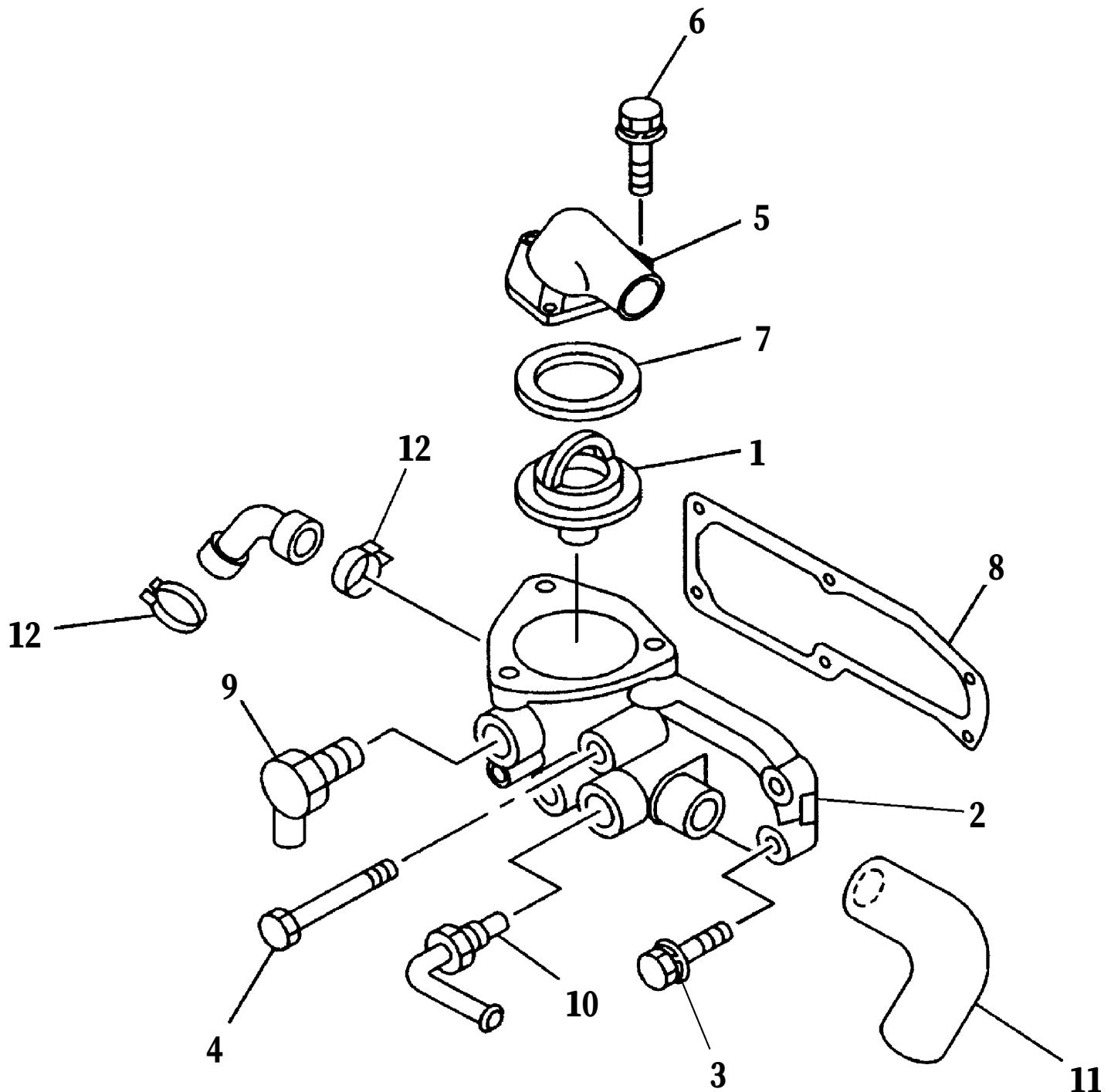
Item ID	Parts Number	部品種類	Qty
1(A)	897253-3510	BREATHER; AIR	1
18	509704-0331	CLIP; RUBBER HOSE, AIR BREATHER	1
29	109704-0640	CLIP; RUBBER HOSE, BREATHER (ID=48)	1
	1097041-0730	CLIP; RUBBER HOSE, BREATHER (ID=54)	1
91	028080-8120	BOLT; AIR BREATHER (M8X12 FLANGE)	2
94	897224-2050	HOSE; BREATHER TO PIPE	1
167	894137-6820	PIPE; BREATHER	1



Engine for TB1140 BB-4BG1-TRE (ISUZU)

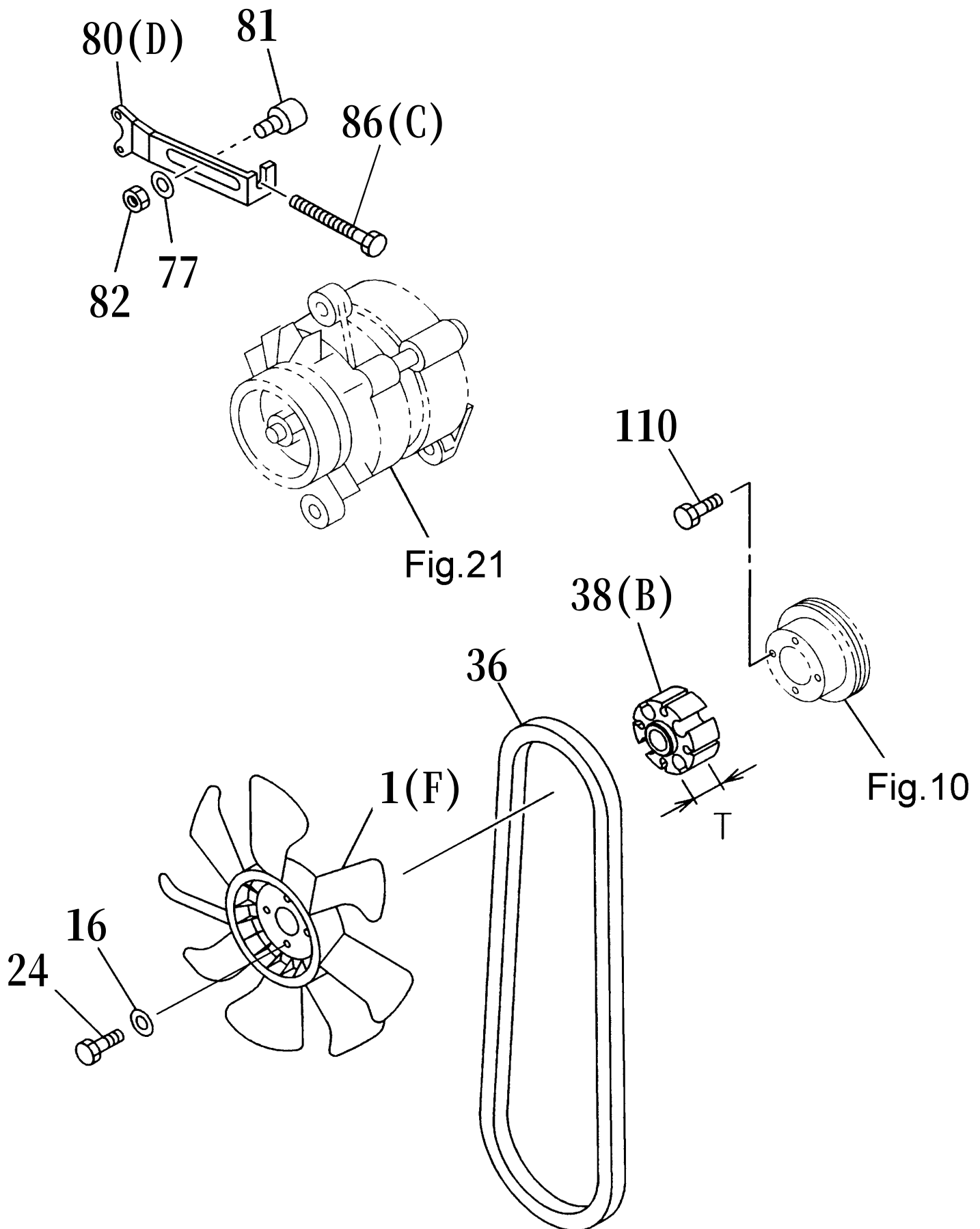
WATER PUMP

Item ID	Parts Number	部品種類	Qty
1(B)	897253-0281	PUMP ASM; WATER, W/GASKET	1
3	894370-6610	GASKET; PUMP TO C/BL	1
4(B)	587814-3200	REPAIR KIT; WATER PUMP	1
7(B)	113641-1870	PULLEY; WATER PUMP	1
9	909180-1520	RING; SNAP, WATER PUMP	1
11	513634-0020	SPACER; BRG, WATER PUMP	1
16	509625-0550	SEAL; OIL, WATER PUMP	1
18	897232-2500	IMPELLER; WATER PUMP	1
19	897232-2480	GASKET; COVER TO BODY	1
20	897232-2470	COVER; WATER PUMP	1
25	513642-0072	CENTER; WATER PUMP	1
26	513639-0010	COVER; DUST WATER PUMP	1
27(A)	509800-0510	BEARING; WATER PUMP	1
27(B)	509800-0500	BEARING; WATER PUMP	1
27(C)	109800-1700	BEARING; WATER PUMP	1
28	109503-0700	WASHER; WATER PUMP	1
29	113631-0740	SHAFT; WATER PUMP	1
30	909952-1430	RING; SNAP, WATER PUMP SHAFT	1
31	897249-8951	PIPE; SUCTION, INL	1
32	897232-2490	SEAL UNIT; WATER PUMP	1
34	903090-8200	SCREW; COVER TO BODY, WATER PUMP	3
36	028081-0350	BOLT; WATER PUMP TO C/BL (M10X35 FLANGE)	1
	028081-0450	BOLT; WATER PUMP TO C/BL (M10X45 FLANGE)	2
	028081-0700	BOLT; WATER PUMP TO C/BL (M10X70 FLANGE)	1



Engine for TB1140 BB-4BG1-TRE (ISUZU)
THERMOSTAT & HOUSING

Item ID	Parts Number	部品種類	Qty
1	113770-0700	THERMOSTAT	1
2	113711-8042	HOUSING; THERMOSTAT	1
3	050041-0400	BOLT; HSG TO HD (M10X40 W/LK WASHER)	2
	050141-0350	BOLT; HSG TO HD (M10X35 W/LK & PLWASHER)	1
	028081-0300	BOLT; HSG TO HD (M10X30 FLANGE)	1
4	028081-0800	BOLT; HSG TO HD (M10X80 FLANGE)	1
5	897163-2260	PIPE; WATER OUTLET	1
6	028080-8220	BOLT; OUTLET PIPE	3
7	113743-0160	GASKET; OUTLET PIPE TO HSG	1
8	897235-7891	GASKET; THERMOSTAT HSG	1
9	897204-5090	PIPE; HTR (FEED)	1
10	897204-5130	PIPE; HTR (RETURN)	1
11	897224-2040	HOSE; WATER, BY-PASS	1
12	509704-0460	CLIP; BYPASS HOSE	2



Engine for TB1140 BB-4BG1-TRE (ISUZU)

Product: Takeuchi TB1140 Mini Compact Excavator Parts Manual(Book No.BN02003)

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Item ID	Parts Number	Part Name	Qty
1(F)	897161-5990	FAN; COOLING	1
16	909160-6080	WASHER; PL, COOLING FAN	4
24	050040-8800	BOLT; FAN	4
36	897232-2520	BELT; COOLING FAN	1
38(B)	113642-0630	SPACER; FAN	1
77	909164-7120	WASHER; PL, GEN TO ADJ PLATE	1
80(D)	113674-1192	PLATE; ADJ	1
81	113674-1600	PIECE; SLIDING	1
82	091150-1120	NUT; ADJ PLATE	1
86(C)	109009-1131	BOLT; ADJ	1
110	903490-6100	SCREW; PULLEY	2

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