

Engine for TB175 4TNE98-TBZ

Product: Takeuchi TB175 Mini Compact Excavator Parts Manual(Book No.BL3Z005)

How to read Parts Catalog

Full Download: [https://www.arepairmanual.com/downloads/takeuchi-tb175-mini-](https://www.arepairmanual.com/downloads/takeuchi-tb175-mini-compact-excavator-parts-manualbook-no-bl3z005/)

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Parts Number

ENGINE

4TNE98-TBZ

Sample of manual. Download All 83 pages at:

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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.

Y00F2161 (1997.09.01)

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

見出 REF.No.	レベル LEV.	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	••	26022-060162	ナメネジ M 6X 16	SCREW M 6X 16	9	9	9	9	9				
1 3-1	••	26022-060162	ナメネジ M 6X 16	SCREW M 6X 16	4	4	4	4	4				K
4	••	129470-51040	カムシャフト	CAMSHAFT	1	1	1	1	1				
5	••	122710-51050	ベアリング*ローラ	BEARING, ROLLER	2	2	2	2	2				
6	••	129470-51060	ベアリング*ガイ	RETAINER	1	1	1	1	1				

備考
(1) ブーストコンベンセータ付き. 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 (After change)

1 1 (Befor change)

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

② Lev.(Level)

Indication and Meaning of Level

Level : Hereunder is given the relation among the number of dots(•), the level and the nominal parent- child relationship.

-Parent parts(Assembly parts)
-Child parts included in "••" (Semi- Assembly parts, component parts of Assembly parts.)
-Child parts included in "•••", Grand- child parts in terms of "••".
(Component parts of Semi- Assembly parts.)

Note) A parts of non- sale parts are illstrated but not listed.

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.

コウモクNO. GROUP	コウモク メイ	GROUP NAME	ロケ-ション LOCATION
1	シリンタ`フ`ロツク	CYLINDER BLOCK	1A02
2	キ`ヤケ-ス	GEAR HOUSING	1A03
3	フライホイルハウシ`ンク` & オイルパ`ン	FLYWHEEL HOUSING & OIL SUMP	1A04
4	シリンタ`ヘツト` & ホ`ンネツト	CYLINDER HEAD & BONNET	1A05
5	キユウキマニホルト` & エアクリーナ	SUCTION MANIFOLD & AIR CLEANER	1A06
6	ハイキマニホルト` & サイレンサ	EXHAUST MANIFOLD & SILENCER	1A07
7	カムシヤフト & クト`ウキ`ヤ	CAMSHAFT & DRIVING GEAR	1A08
8	クランクシヤフト & ピ`ストン	CRANKSHAFT & PISTON	1A09
9	LOシステム	LUB.OIL SYSTEM	1A10
10	CWシステム	COOLING WATER SYSTEM	1A11
11	FOフンシヤホ`ンフ`	FUEL INJECTION PUMP	1A12
12	FOフンシヤハ`ン	FUEL INJECTION VALVE	1A13
13	FOハ`イフ`	FUEL LINE	1A14
14	スタ-テイ`ンク`モ-タ	STARTING MOTOR	1A15
15	ジ`エネレ-タ	GENERATOR	1A16
16	ハ`ツキ`ンセツト	GASKET SET	1B01

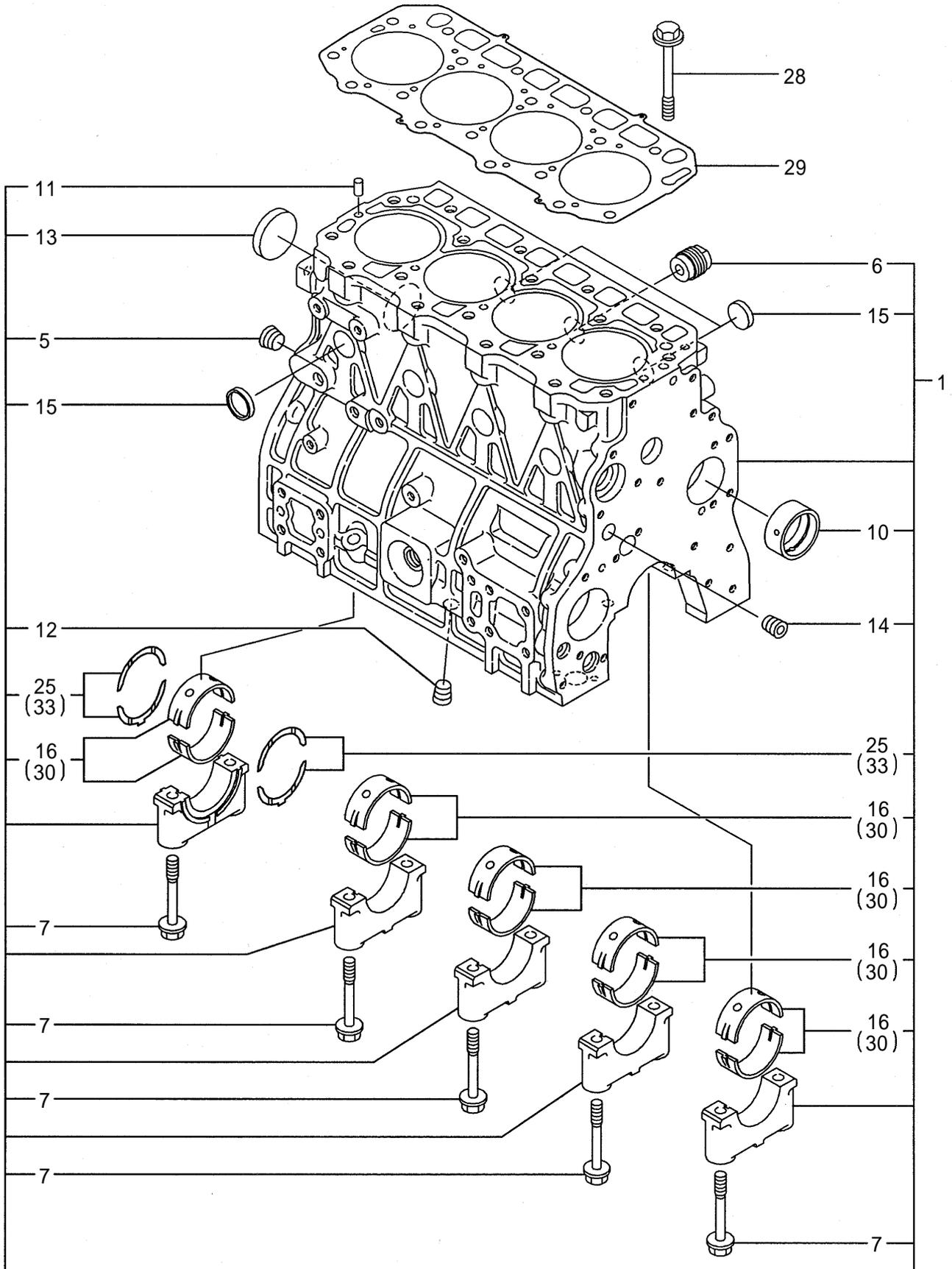
Engine for TB175 4TNE98-TBZ
How to read Parts Catalog

Parts Number
ENGINE
4TNE98-TBZ

Engine for TB175 4TNE98-TBZ
CYLINDER BLOCK

Y00D7150
4TNE98-TBZ

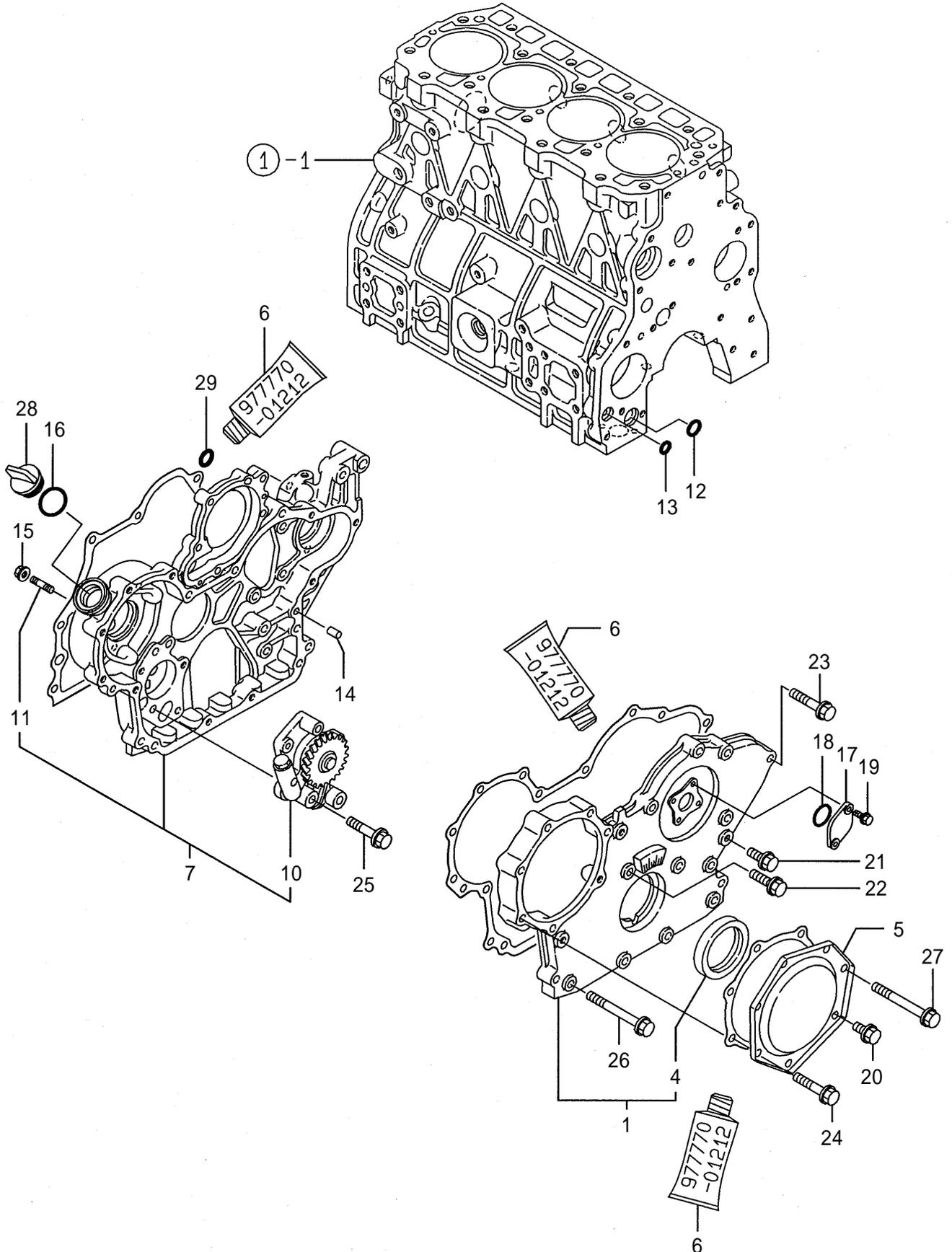
1 シリンダブロック
CYLINDER BLOCK



Engine for TB175 4TNE98-TBZ
CYLINDER BLOCK

Item ID	Parts Number	部品種類	Qty
1	729953-01560	BLOCK ASSY, CYLINDER	1
5	23876-030000	· PLUG PT3/8, SCREW	1
6	129953-01920	· JOINT	1
7	129900-02020	· BOLT, METAL CAP	10
10	129900-02410	· BUSH, CAMSHAFT	1
11	22351-060012	· SPRING PIN 6X12	2
12	23876-030000	· PLUG PT3/8, SCREW	1
13	129900-01250	· PLUG 55	1
14	23876-030000	· PLUG PT3/8, SCREW	1
15	27241-300000	· PLUG 30	8
16	129900-02800	· BEARING ASSY, MAIN	5
25	129900-02930	· BEARING ASSY, THRUST	2
28	129900-01200	BOLT, HEAD	18
29	129902-01331	GASKET, HEAD	1
30	129900-02340	MAIN BEARING US=0.25	5
33	129900-02940	BEARING, THRUST .250S	2

2 ギヤケース
GEAR HOUSING

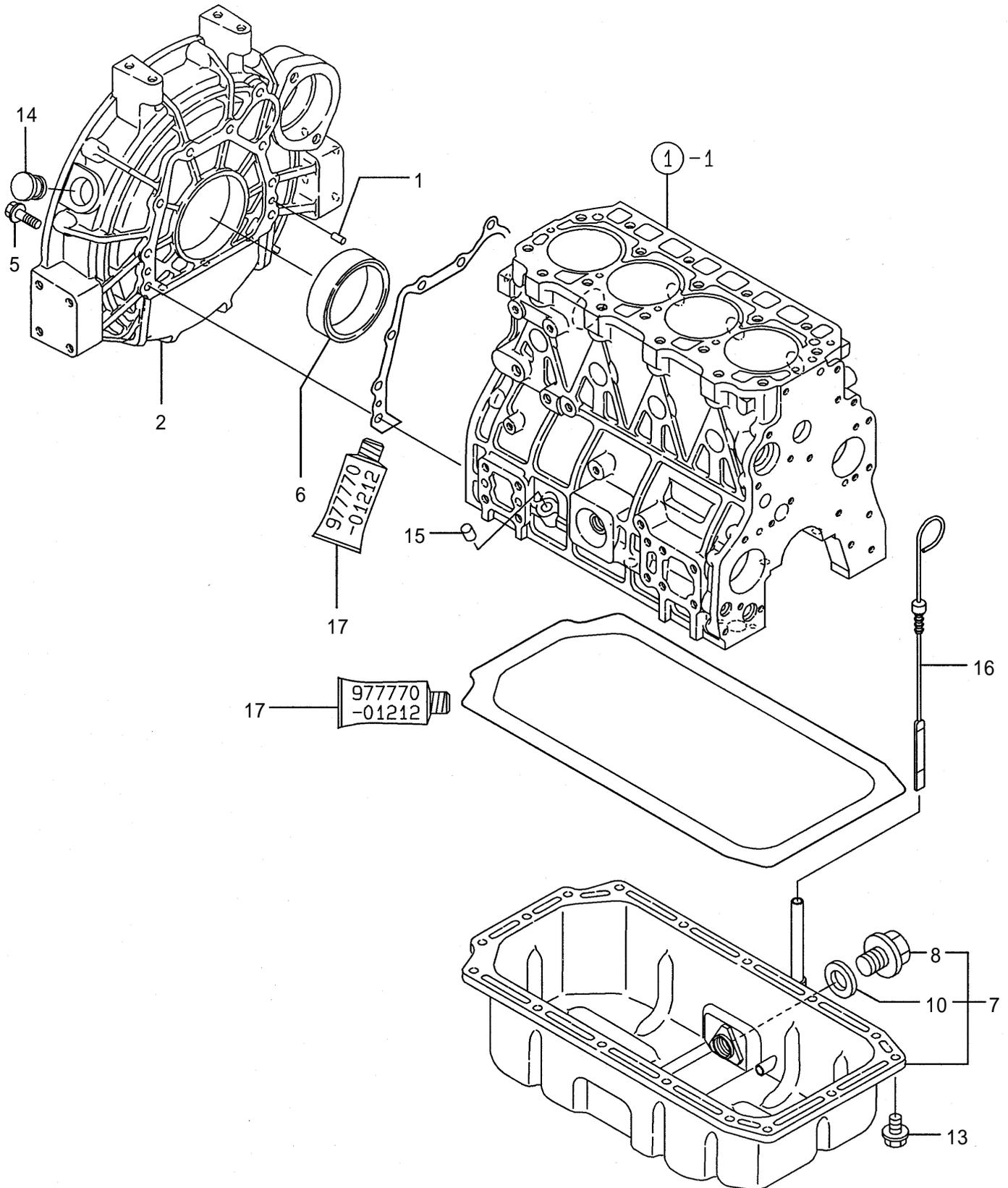


Engine for TB175 4TNE98-TBZ
GEAR HOUSING

Item ID	Parts Number	部品種類	Qty
1	729900-01570	COVER, GEAR HOUSING	1
4	129900-01780	· SEAL, OIL	1
5	129951-01740	COVER, F.I. PUMP	1
6	977770-01212	GASKET, LIQUID	1
7	129900-01820	HOUSING COMP, GEAR	1
10	129900-32000	· PUMP ASSY, LUB. OIL	1
11	26216-100302	· STUD BOLT	4
12	129900-32030	O-RING P20	1
13	129900-32040	O-RING P14	1
14	129100-01580	PARALLEL PIN 8X16	4
15	26366-100002	NUT M10	4
16	24311-000320	O-RING 1A P-32.0	1
17	121023-01550	COVER, BLIND	1
18	24341-000240	O-RING 1A S-24.0	1
19	26106-060162	BOLT M 6X 16 PLATED	2
20	26106-080162	BOLT M 8X 16 PLATED	1
21	26106-080202	BOLT M 8X 20 PLATED	3
22	26106-080302	BOLT M 8X 30 PLATED	1
23	26106-080402	BOLT M 8X 40 PLATED	5
24	26106-080402	BOLT M 8X 40 PLATED	5
25	26106-080452	BOLT M 8X 45 PLATED	3
26	129001-91810	BOLT M 8X 70 PLATED	6
27	129001-91810	BOLT M 8X 70 PLATED	1
28	124160-01751	CAP, LUB.OIL SUPPLY	1
29	24311-000070	O-RING 1A P-7.0	1

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4TNE98-TBZ

3 フライホイールハウジング & オイルパン
FLYWHEEL HOUSING & OIL SUMP



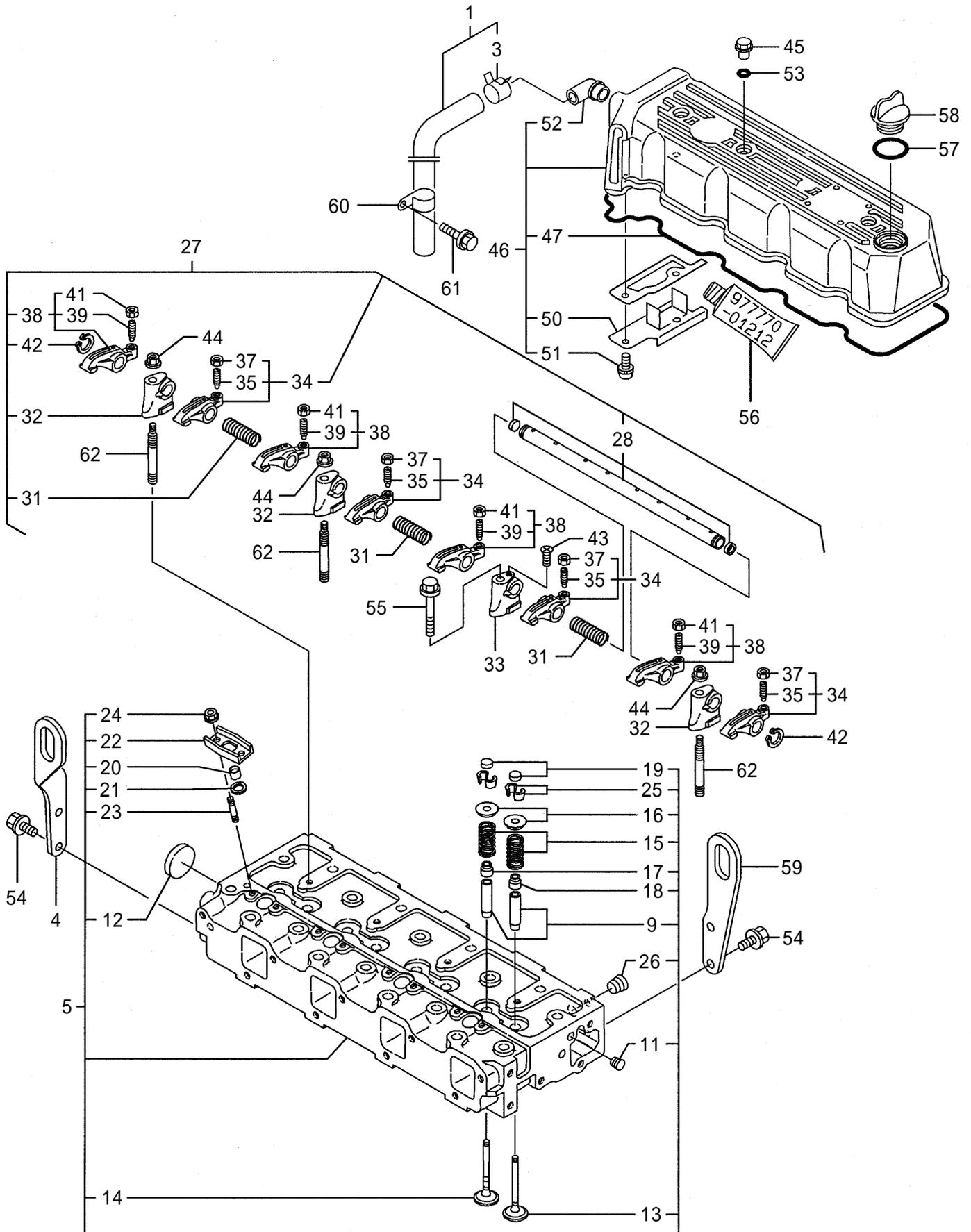
Engine for TB175 4TNE98-TBZ
 FLYWHEEL HOUSING & OIL SUMP

Item ID	Parts Number	部品種類	Qty
1	129100-01580	PARALLEL PIN 8X16	2
2	129951-01620	HOUSING, FLYWHEEL	1
5	26106-100352	BOLT M10X 35 PLATED	9
6	124411-01780	SEAL HTC95,115,10	1
7	129953-01730	PAN ASSY, LUB. OIL	1
8	119640-01640	· DRAIN PLUG M22	1
10	22190-220002	· SEAL WASHER 22S	1
13	26106-080122	BOLT M 8X 12 PLATED	21
14	119000-01840	PLUG 25,RUBBER	1
15	27225-100140	PLUG 10X14	1
16	119812-34800	DIPSTIC, LUB OIL	1
17	977770-01212	GASKET, LIQUID	1

Engine for TB175 4TNE98-TBZ
CYLINDER HEAD & BONNET

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4TNE98-TBZ

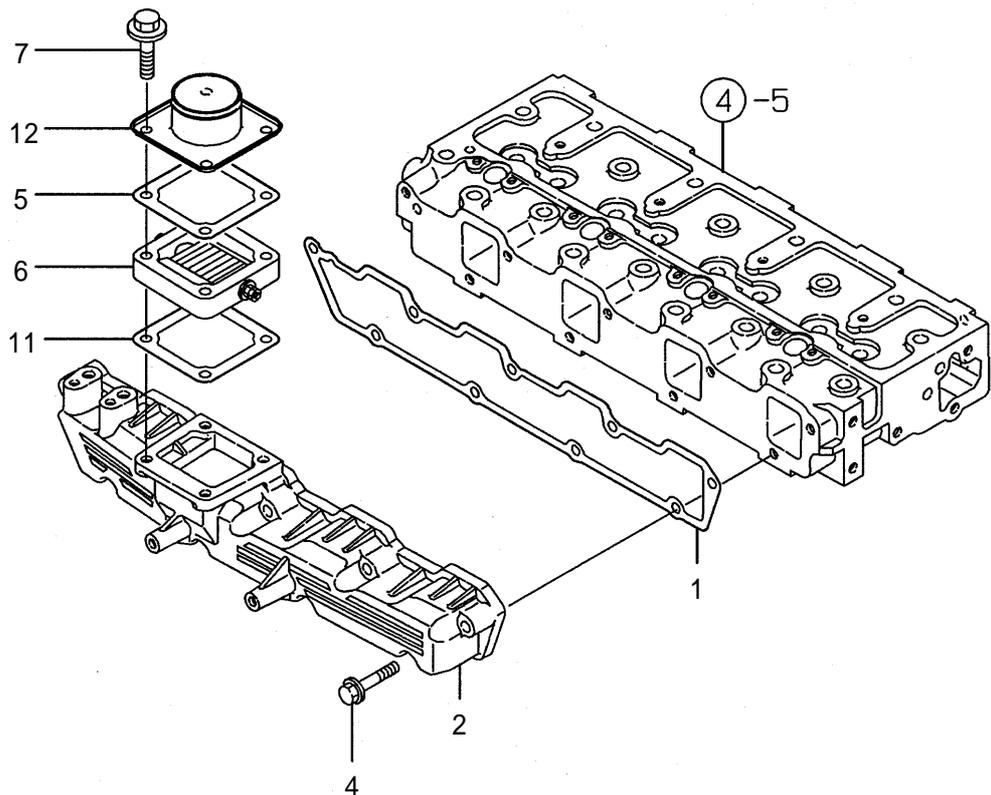
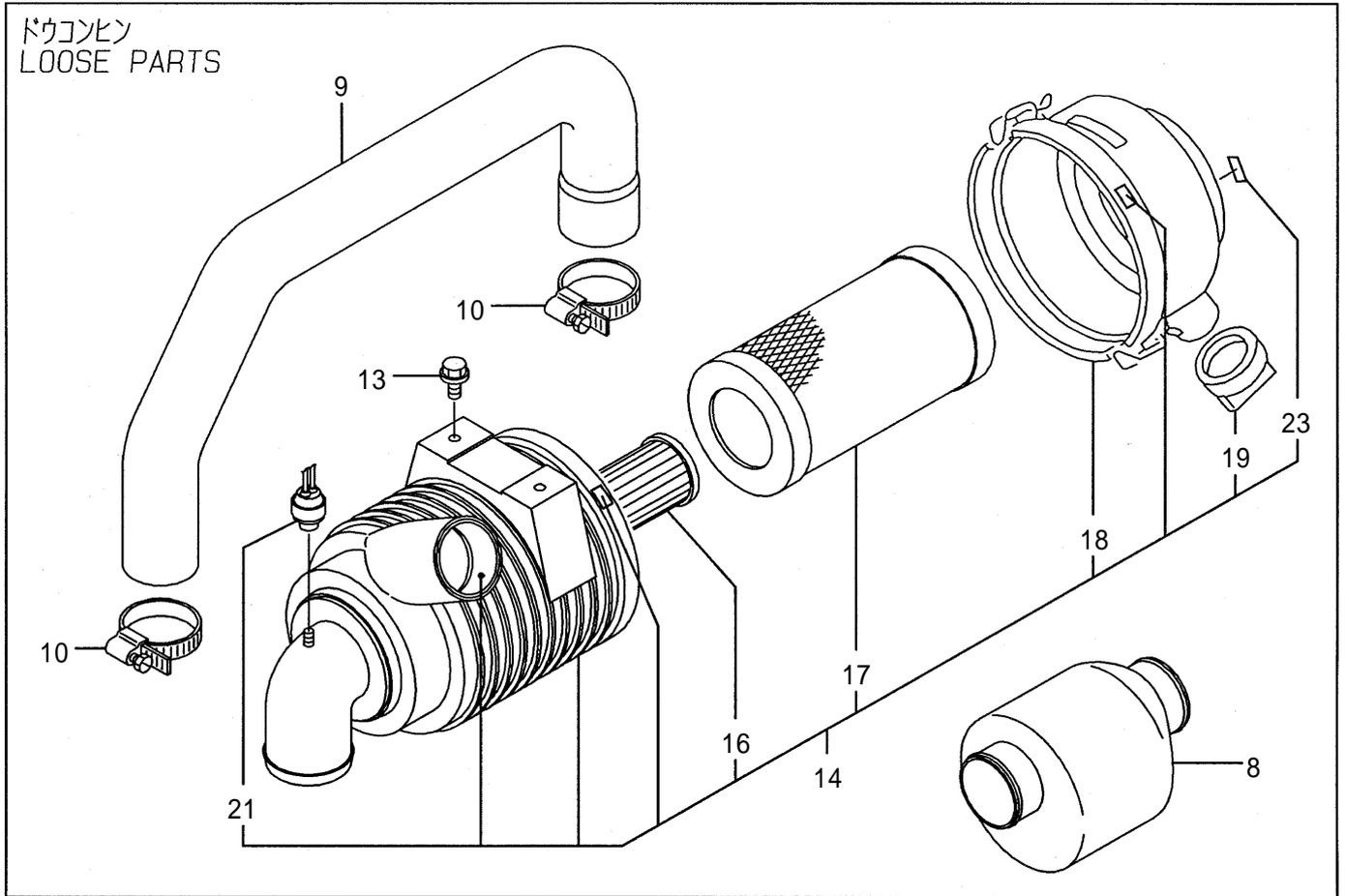
4 シリンダヘッド & ボンネット
CYLINDER HEAD & BONNET



Engine for TB175 4TNE98-TBZ
CYLINDER HEAD & BONNET

Item ID	Parts Number	部品種類	Qty
1	129953-03100	HOSE, BREATHER	1
3	129960-03990	· HOSE CLIP 22	1
4	129910-07900	LIFTER, ENGINE	1
5	729900-11100	HEAD ASSY, CYLINDER	1
9	129150-11810	· GUIDE, VALVE	8
11	23871-005000	· PLUG PT 1/16	1
12	27241-400000	· PLUG 40	1
13	129900-11100	· VALVE, SUCTION	4
14	129900-11110	· VALVE, EXHAUST	4
15	129900-11120	· SPRING, VALVE	8
16	129795-11180	· RETAINER, SPRING	8
17	121400-11340	· SEAL, VALVE STEM	4
18	124460-11340	· SEAL, VALVE STEM	4
19	129150-11370	· CAP, VALVE	8
20	119625-11870	· PROTECTOR, NOZZLE	4
21	119625-11880	· SEAT, NOZZLE	4
22	119625-11900	· RETAINER	4
23	26216-060202	· STUD M 6X 20 PLATED	8
24	26366-060002	· NUT M 6	8
25	27310-080000	· COTTER 8	16
26	23876-030000	· PLUG PT3/8, SCREW	1
27	129900-11200	SUPPORT ASY, ROCK. ARM	1
28	129900-11240	· SHAFT ASSY, ROCK. ARM	1
31	129900-11280	· SPRING	3
32	129900-11510	· SUPPORT	3
33	129900-11520	· SUPPORT	1
34	129900-11650	· ARM KIT, SUC. ROCKER	4
35	129150-11230	· · SCREW, VALVE	4
37	129150-11750	· · NUT M8XP1.0	4
38	129900-11660	· ARM KIT, EXH. ROCKER	4
39	129150-11230	· · SCREW, VALVE	4
41	129150-11750	· · NUT M8XP1.0	4
42	22242-000180	· CIRCLIP 18	2
43	26577-040162	· SCREW M 4X 16	1
44	26366-100002	NUT M10	3
45	124160-11360	KNOB	3
46	129910-11350	BONNET ASSY	1
47	129900-11310	· GASKET, BONNET	1
50	129900-11600	· PLATE	1
51	22857-500100	· SCREW 5X10, TAPPING	2
52	119100-11330	· JOINT, BREATHER	1
53	24311-000120	O-RING 1A P 12.0	3
54	26106-080162	BOLT M 8X 16 PLATED	4
55	26106-100652	BOLT M10X 65 PLATED	1
56	977770-01212	GASKET, LIQUID	1
57	24311-000320	O-RING 1A P 32.0	1
58	124160-01751	CAP, LUB, OIL SUPPLY	1
59	129953-07910	LIFTER, ENGINE	1
60	129910-03100	RETAINER	1
61	26106-080122	BOLT M8X12 PLATED	1
62	129900-11530	STUD BOLT	3

5 キュウキマニホールド & エアクリーナ
SUCTION MANIFOLD & AIR CLEANER

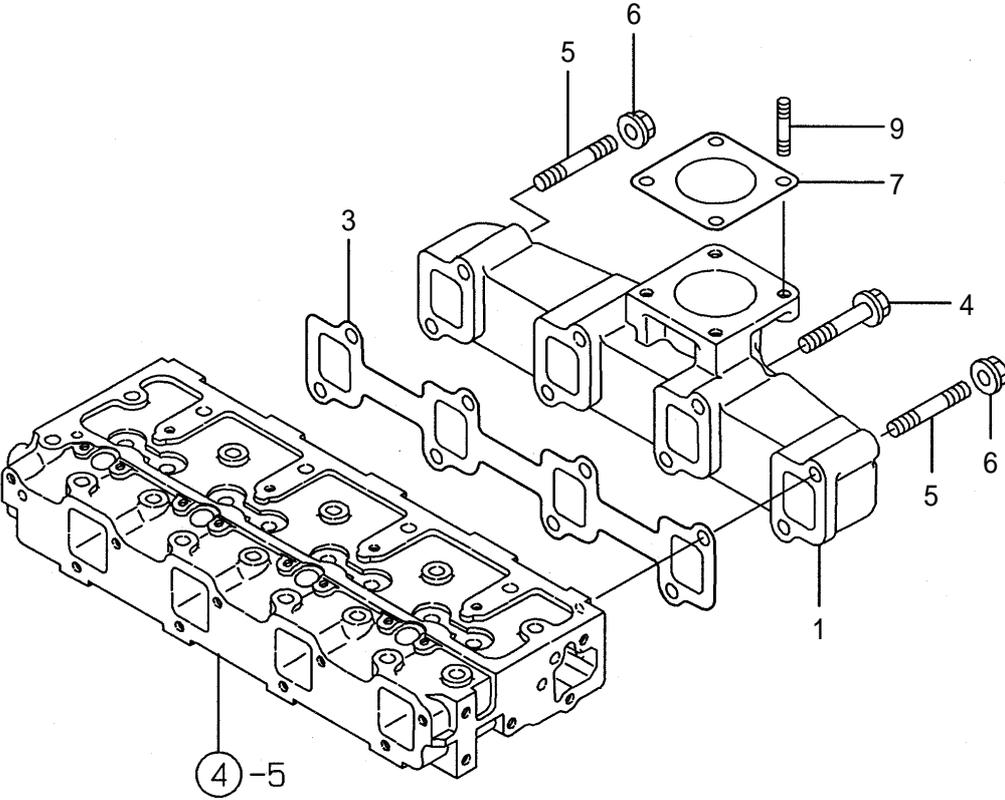
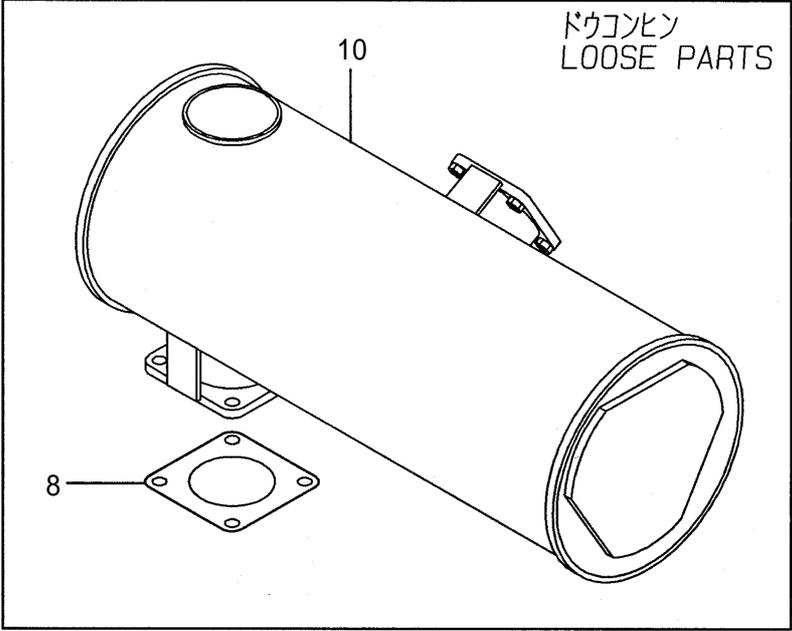


Engine for TB175 4TNE98-TBZ
 SUCTION MANIFOLD & AIR CLEANER

Item ID	Parts Number	部品種類	Qty
1	129900-12050	GASKET, SUC.MANIFOLD	1
2	129900-12100	MANIFOLD, INT	1
4	26106-080452	BOLT M 8X 45 PLATED	9
5	121850-77021	GASKET, (NON-ASB.)	1
6	119129-77500	HEATER, AIR	1
7	26106-080302	BOLT M 8X 30 PLATED	4
8	119160-12060	SILENCER, INLET	1
9	129953-12210	PIPE, AIR INTAKE	1
10	23000-080000	CLAMP 80	2
11	119129-77020	GASKET	1
12	121850-77100	JOINT	1
13	26106-080162	BOLT M 8X 16 PLATED	2
14	129953-12500	AIR CLEANER COMP.	1
16	119005-12571	· ELEMENT ASSY, INNER	1
17	129062-12560	· ELEMENT	1
18	129900-12530	· COVER ASSY	1
19	119808-12540	· VALVE, UNLOADER	1
21	119140-12680	· INDICATOR	1
23	129612-12650	· MARKING, (W)	1

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4TNE98-TBZ

6 ハイキマニホールド & サイレンサ
EXHAUST MANIFOLD & SILENCER

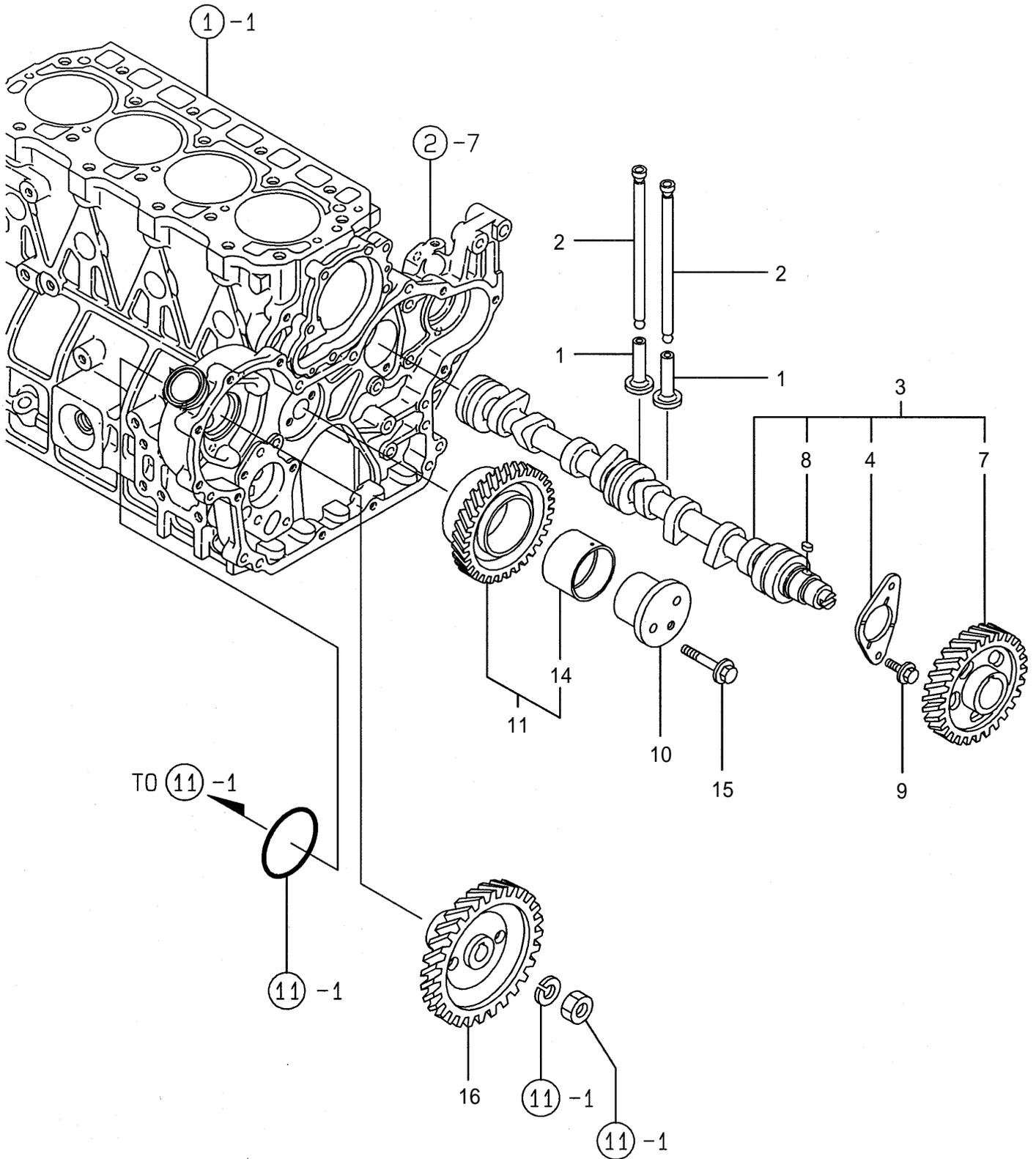


Engine for TB175 4TNE98-TBZ
 EXHAUST MANIFOLD & SILENCER

Item ID	Parts Number	部品種類	Qty
1	129900-13200	MANIFOLD, EXHAUST	1
3	129900-13252	GASKET	1
4	26106-080802	BOLT M 8X 80 PLATED	6
5	26216-080802	STUD M 8X 80 PLATED	2
6	26366-080002	NUT M 8	2
7	129400-13201	GASKET, (NON-ASB.)	2
8	128300-13230	PACKING	1
9	119131-18320	BOLT M 8X 22	4
10	129953-13550	SILENCER	1

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4TNE98-TBZ

7 カムシャフト & クドウギヤ
CAMSHAFT & DRIVING GEAR



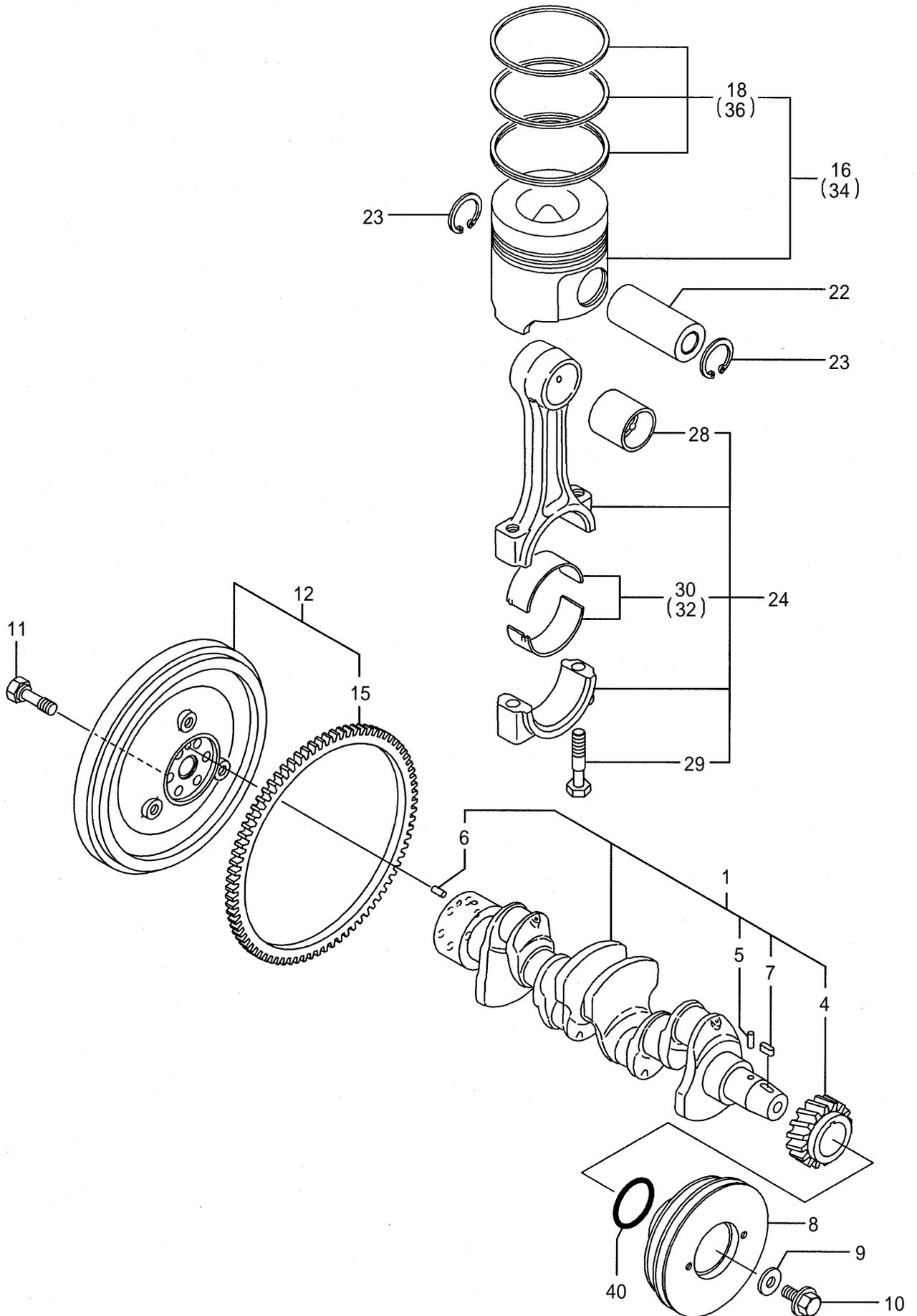
Engine for TB175 4TNE98-TBZ
CAMSHAFT & DRIVING GEAR

Item ID	Parts Number	部品種類	Qty
1	129150-14200	TAPPET	8
2	129900-14400	ROD, PUSH	8
3	129900-14580	CAMSHAFT ASSY	1
4	129150-02450	· METAL, THRUST	1
7	129900-14100	· GEAR, CAMSHAFT	1
8	22512-070140	· KEY 7X 14	1
9	26106-080162	BOLT M 8X 16 PLATED	2
10	129900-25060	SHAFT, IDLER	1
11	129900-25100	GEAR ASSY, IDLE	1
14	129150-25920	· BUSH, IDLE GEAR	1
15	26106-080552	BOLT M 8X 55 PLATED	2
16	129900-25900	GEAR, FI-P	1

Engine for TB175 4TNE98-TBZ
CRANKSHAFT & PISTON

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4TNE98-TBZ

クランクシャフト & ピストン
CRANKSHAFT & PISTON

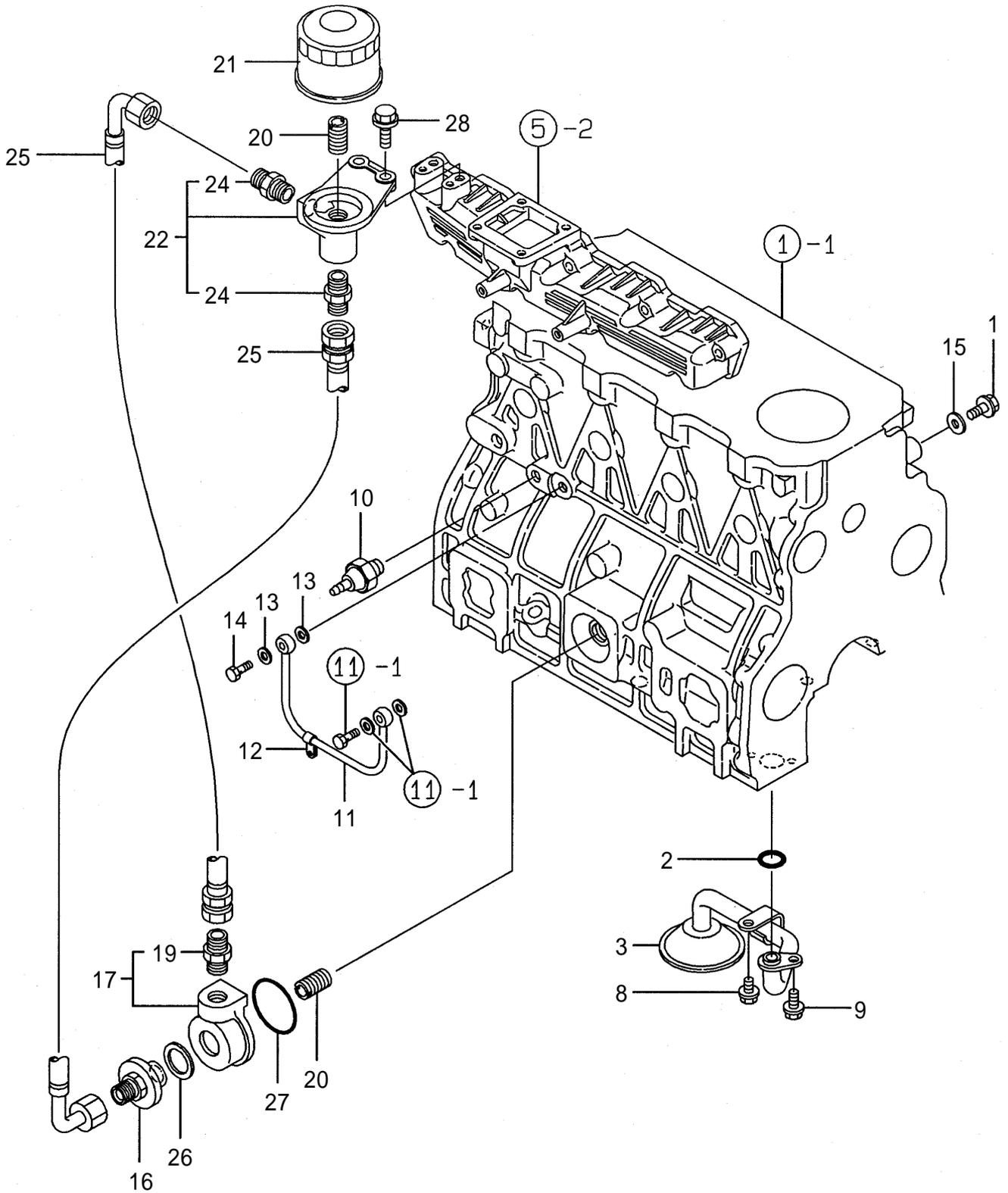


Engine for TB175 4TNE98-TBZ
 CRANKSHAFT & PISTON

Item ID	Parts Number	部品種類	Qty
1	129902-21000	CRANKSHAFT COMP	1
4	129900-21200	· GEAR, CRANKSHAFT	1
5	121850-21290	· PARALLEL PIN	1
6	121850-21920	· PARALLEL PIN 10X22	1
7	22512-070140	· KEY 7X 14	1
8	129953-21610	V-PULLEY	1
9	129960-21640	WASHER	1
10	121850-21680	BOLT, V-PULLEY	1
11	121850-21130	BOLT, FLYWHEEL	6
12	129902-21580	FLYWHEEL ASSY	1
15	127410-21480	· RING GEAR Z=129	1
16	129902-22080	PISTON W/RING	4
18	129903-22050	· RING SET	4
22	120130-22301	PIN, PISTON	4
23	22252-000300	CIRCLIP 30	8
24	129900-23000	ROD ASSY, CONNECTING	4
28	129900-23910	· BUSH, PISTON PIN	4
29	129900-23200	· BOLT, ROD	8
30	129900-23600	· METAL ASSY, CRANKPIN	4
32	129900-23610	BEARING, PIN U.S=0.25	4
34	129902-22900	PISTON W/RING O.S=25	4
36	129903-22950	· RING SET O.S=0.25	4
40	24341-000530	O-RING 1A S-53.0	1

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4TNE98-TBZ

9 LUB.OIL SYSTEM
LUB.OIL SYSTEM

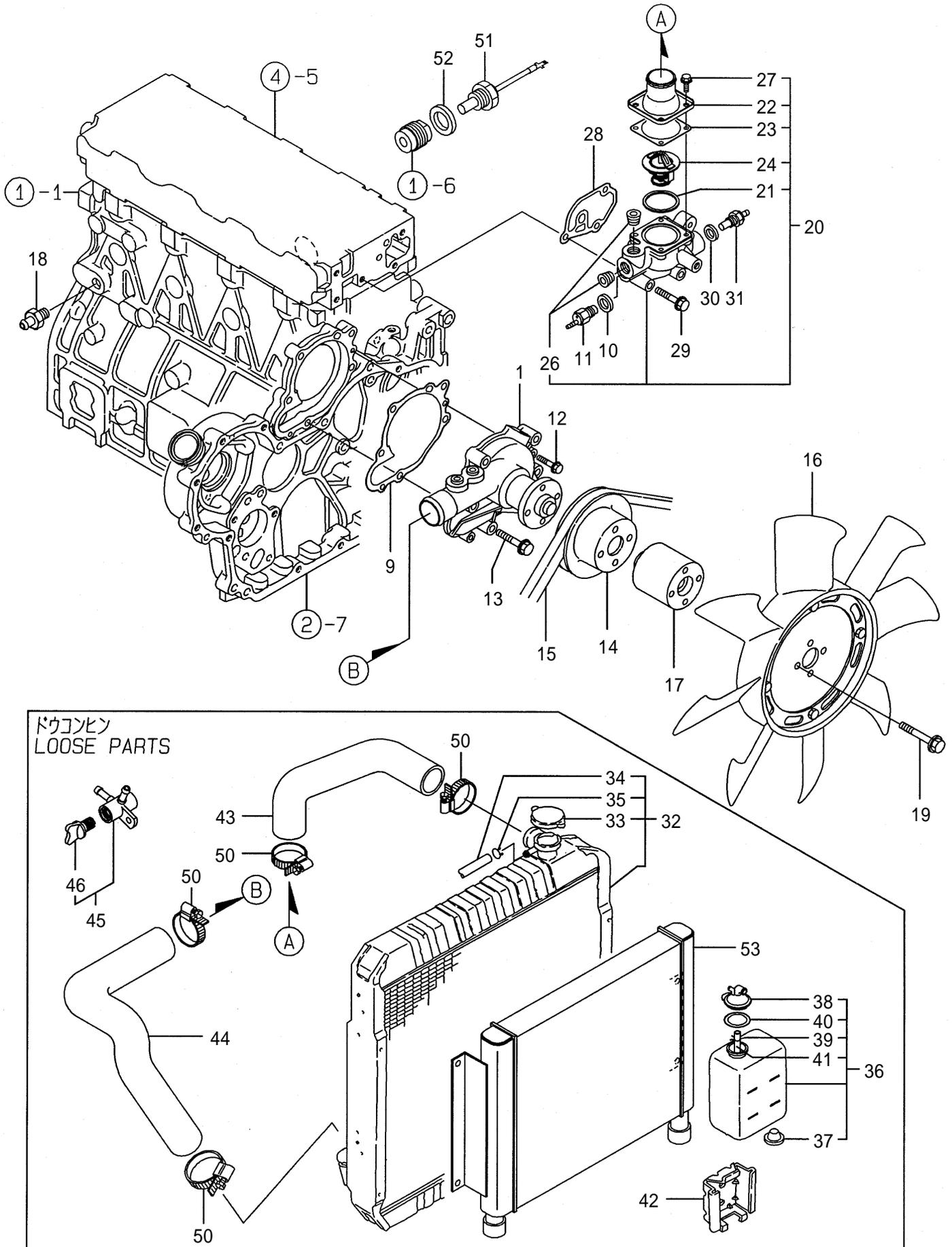


Engine for TB175 4TNE98-TBZ
LUB.OIL SYSTEM

Item ID	Parts Number	部品種類	Qty
1	26106-080122	BOLT M 8X 12 PLATED	1
2	129900-32030	O-RING P20	1
3	129900-35000	PIPE ASSY, LUB. OIL	1
8	26106-080122	BOLT M 8X 12 PLATED	1
9	26106-080162	BOLT M 8X 16 PLATED	1
10	114250-39450	SWITCH, (0.5KG)L.O.	1
11	129900-39350	PIPE, LUB. OIL	1
12	23297-060081	RETAINER 6X 8	1
13	23414-080000	GASKET 8, ROUND	2
14	23857-030000	JOINT BOLT 3	1
15	22190-080002	SEAL WASHER 8S	1
16	129953-35110	COVER	1
17	129953-35120	CASE, LO CMP	1
19	129953-39500	· ADAPTER	1
20	119000-35140	STUD, LUB.OIL FILTER	2
21	129150-35151	FILTER 80X80L	1
22	129953-35210	BRACKET, LO FILTER CMP	1
24	129953-39500	· ADAPTER	2
25	129953-39100	PIPE, LUB.OIL	2
26	22190-300002	SEAL WASHER 30S	1
27	24321-000600	O-RING 1A G-60.0	1
28	26106-100252	BOLT M10X 25 PLATED	2

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4TNE98-TBZ

10 CWシステム
COOLING WATER SYSTEM

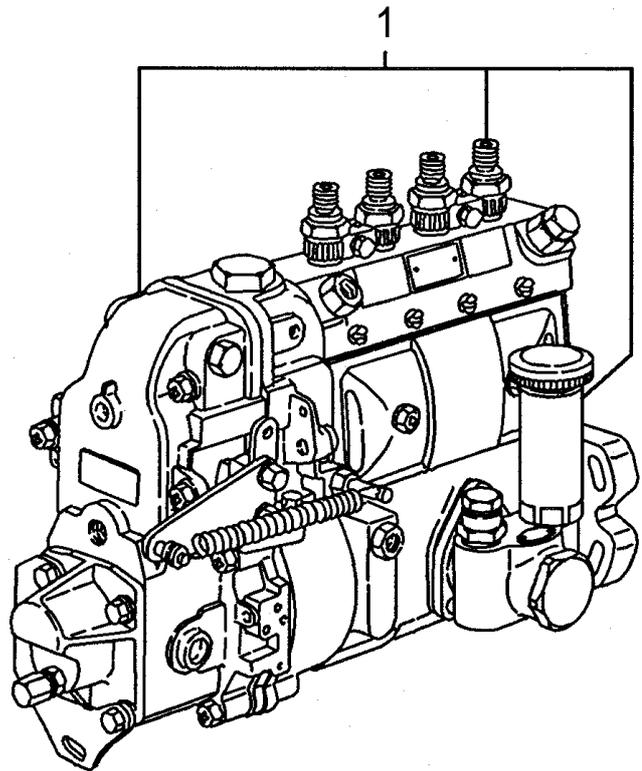


Engine for TB175 4TNE98-TBZ
COOLING WATER SYSTEM

Item ID	Parts Number	部品種類	Qty
1	129900-42001	PUMP, COOLING WATER	1
9	129900-42020	GASKET, CW-P	1
10	124465-44950	GASKET 16	1
11	121250-44901	SWITCH, THERMO(110° C	1
12	26106-060302	BOLT M 6X 30 PLATED	2
13	26106-080552	BOLT M 8X 55 PLATED	5
14	129900-42450	PULLEY	1
15	25152-004500	V-BELT A:45 INCH	1
16	129920-44740	FAN, COOLING	1
17	119117-44760	SPACER	1
18	121550-49111	JOINT PT1/4	1
19	26106-080802	BOLT M 8X 80 PLATED	4
20	129900-49860	CASE, THERMOSTAT	1
21	121850-49550	· GASKET, THERMOSTAT	1
22	121850-49530	· COVER, THERMOSTAT	1
23	121850-49540	· GASKET, THERMOSTAT	1
24	121850-49810	· THERMOSTAT	1
26	23875-030000	· PLUG PT3/8,STEEL	2
27	26106-060142	· BOLT M 6X 14 PLATED	4
28	129900-49870	· GASKET, CASE	1
29	26106-080602	· BOLT M 8X 60 PLATED	3
30	129150-49360	· GASKET 10	1
31	171056-49351	· SENSER	1
32	129953-44500	RADIATOR	1
33	119259-44570	· CAP, RADIATOR	1
34	172187-13921	· HOSE, RUBBER	1
35	121250-44590	· CLAMP	2
36	129466-44510	SUBTANK	1
37	121468-44540	· PLUG, SUB-TANK	1
38	121450-44531	· CAP	1
39	124450-44560	· CLAMP	1
40	121470-44581	· GASKET	1
41	121267-44590	· PIPE	1
42	120445-44540	BRACKET, SUB-TANK	1
43	129915-49010	PIPE, C.W.	1
44	129911-49020	HOSE	1
45	129150-49100	COCK ASSY, 3-WAY	1
46	129150-49080	· COCK, DRAIN	1
50	23000-054000	CLAMP 54	4
51	129107-44901	SENSOR,HOT WATER	1
52	124465-44950	GASKET 16	1
53	129953-44900	COOLER,OIL	1

Y00D7150
4TNE98-TBZ

1 1 FOフンシャポンプ
1 1 FUEL INJECTION PUMP



Engine for TB175 4TNE98-TBZ
FUEL INJECTION PUMP

Item ID	Parts Number	部品種類	Qty
1	129953-51120	FUEL INJECTION PUMP	1

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Item ID	Parts Number	部品種類	Qty
1	129900-01950	BRACKET	1
2	26106-100142	BOLT M10X 14 PLATED	1
3	26106-080202	BOLT M 8X 20 PLATED	1
4	729902-53100	VALVE, FUEL	4
5	129902-53000	· NOZZLE	4
8	114250-53080	· NUT, NOZZLE CASE	4
9	129100-53100	· HOLDER ASSY, NOZZLE	4
12	114250-53120	· SPRING, NOZZLE	4
13	114250-53130	· SEAT, NOZZLE SPRING	4
14	114250-53140	· PLATE, STOP	4
15	114250-53210	· PIN	8
16	114250-53400	· SHIM PACK	4
28	119305-59120	RETAINER	2
31	129150-59131	· BOLT M4X14, HEX. SCKT.	2
32	129550-59120	RETAINER	1
35	129150-59131	· BOLT M4X14, HEX. SCKT.	2
37	129910-59810	PIPE NO.1, F. INJECT.	1
41	129910-59820	PIPE NO.2, F. INJECT.	1
45	129910-59830	PIPE NO.3, F. INJECT.	1
49	129910-59840	PIPE NO.4, F. INJECT.	1

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