

PARTS CATALOG

0CD10-M80300EN

Last update Apr., 2013

PREFACE

1. This parts catalog is the 1st edition of 4TNV98T-NSV for Ohara Corporation.

Pub. No. : 000Y00D8030

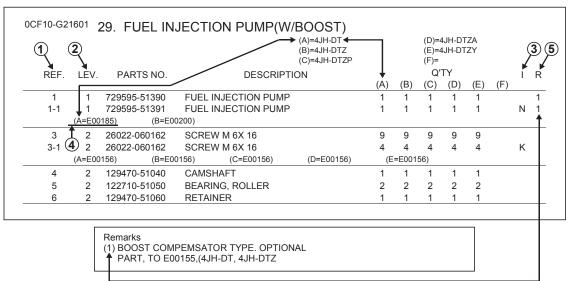
Published: Jan., 2004

2. Model name

Engine model	Veh	icle	Vahiala maada la
Engine model	Products	Model name	Vehicle made by
4TNV98T-NSV	Snow Cat	MM02	Ohara Corporation

Directions for the Parts Catalog.

- 1. This Parts Catalog shows both standard and optional parts.
- 2.Parts may change without prior notice.
- 3. The following is an example of the Parts Catalog format.



1) Ref. No.

The Ref. No. listed may not be in accordance with the illustration Ref. No.

(Ex.) Illustration No. List Ref No.

1 (Before change) → 1-1 (After change)

For interchangeable symbols N, R and K, illustrations for new parts may be abbreviated.

2 Lev. (Level)

Level indication

The numbers below indicate the level of relativity towards the main part.

- 1 ---- Main parts (Assembly parts)
- 2 ---- Sub component included in "1".
- 3 ----- Sub component included in " 2 ".

Note) Parts that are not for sale are partially illustrated but not listed.

(3) Interchangeability Symbol

When a part change takes place, one of the following interchangeability symbols is indicated beside the part.

Symbol	Interchangeability	Contents note
N	Old Yes New	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old No New	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old Yes New	New/ Old Parts are both interchangeable.
S	Old No No New New New New New New New New New New	New/ Old Parts are both not interchangeable.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable by a single part but interchangeable together with related parts.
K		Changes only for used parts quantities.

(4) Effective Machine No.

When a part changes, the effective Machine No. will be indicated in the (A)-(F) column.

Product Symbol	Product No.	Product Symbol	Product No.
С	Clutch No. Compressor No.	F	Machine No. (Agricultural Equip.)
D	Drive No.	M	Machine No.
E	Engine No.		

Note 1) A date may follow the symbol. (Ex.) 1996.01

Note 2) " XXXXX" and " ZZZZZ" are for parts that could not be predicted or for engine models that could not be identified.

Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

(5) Remarks

Figures or alphabets (symbols) are entered in the remarks column.

The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

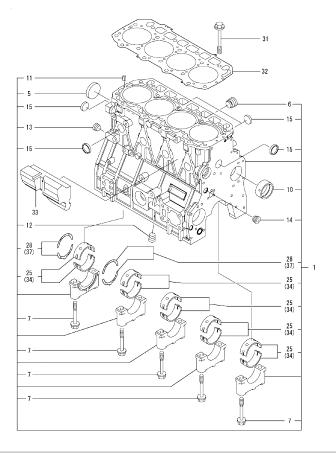
Contents

0CD10-M80300 Fig. No. Fig. Name

ENGINE SECTION

- 1. CYLINDER BLOCK
- 2. GEAR HOUSING
- 3. FLYWHEEL HOUSING & OIL SUMP
- 4. CYLINDER HEAD & BONNET
- 5. SUCTION MANIFOLD & AIR CLEANER
- 6. EXHAUST MANIFOLD & SILENCER
- 7. CAMSHAFT & DRIVING GEAR
- 8. TURBINE
- 9. CRANKSHAFT & PISTON
- 10. LUB.OIL SYSTEM
- 11. LUB.OIL LINE
- 12. COOLING WATER SYSTEM
- 13. FUEL INJECTION PUMP
- 14. FUEL INJECTION VALVE
- 15. FUEL LINE
- 16. STARTING MOTOR
- 17. GENERATOR
- 18. ELECTRIC PART
- 19. GASKET SET

OCD10-M80300 ENGINE SECTION Fig.1. CYLINDER BLOCK

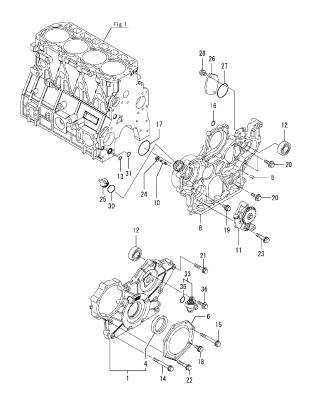


							0CD10-N	180300	Fig	j. 1	
				(A)=4TNV98T-NSV			(D)=				
				(B)=			(E)=				
				(C)=			(F)=				
No.	Lev.	Parts No.	Descriptio	n			Q'ty			1	R
					(A)	(B)	(C) (D)	(E)	(F)		
1	1	729908-01560	BLOCK ASSY, CYLINDER	₹	1						
5	2	129900-01250	PLUG, DISH TYPE 55		1						
6	2	171051-01921	PLUG, NPTF1		1						
7	2	129900-02020	BOLT, METAL CAP		10						
10	2	129900-02410	BUSH, CAMSHAFT		1						
11	2	22351-060012	PIN, SPRING 6.0X12		2						
12	2	23876-030000	PLUG, R03		1						
13	2	23876-030000	PLUG, R03		1						
14	2	23876-030000	PLUG, R03		1						
15	2	27241-300000	PLUG 30		8						
25	2	729900-02800	BEARING, MAIN		5						3
28	2	129900-02930	BEARING ASSY, THRUS	Г	2						
31	1	129900-01200	BOLT, CYLINDER HEAD		18						
32	1	129907-01331	GASKET, HEAD		1						
33	1	129907-01190	SPACER		1						
34	1	129900-02340	BEARING ASSY, MAIN		5						1
37	1	129900-02940	BEARING, THRUST 0.25		2						2
											_

Remarks (1) UNDER-SIZE(U.S=0.25)PART. (2) OVER-SIZE(O.S=0.25)PART. (3) REPAIR PART.

N:Old $\frac{V^{NS}}{NO}$ New, Q:Old $\frac{V^{NS}}{VOS}$ New, R:Old $\frac{V^{NS}}{VOS}$ New, S:Old $\frac{V^{NS}}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

OCD10-M80300 ENGINE SECTION Fig.2. GEAR HOUSING

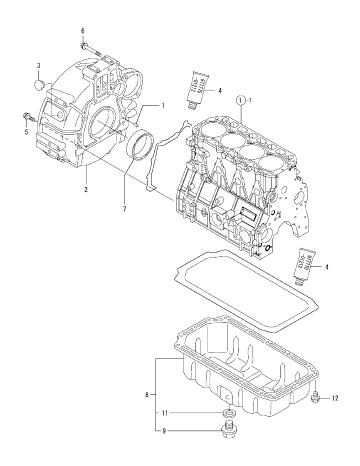


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31 1 129900-32030 O-RING, P20 1 33 1 129150-91400 GEAR 1 35 2 24341-000240 O-RING, 1AS24.0 1										
33 1 129150-91400 GEAR 1 35 2 24341-000240 O-RING, 1AS24.0 1										-
35 2 24341-000240 O-RING, 1AS24.0 1										
30 1 2010-000102 BOLL, MOX TO PLATED 2										-
			20100 000102	BOCI, MOX TO LETTER						
										-
										_

Remarks (1)No.4-1 & Fig.9 No.9-1, 10-1 interchangeable by set. For repair.

NrOld Vest New, QrOld Vest New, RrOld Vest New, RrOld Vest New, SrOld No. New, WrAdd, Zr.Discontinued, F.Interchangeable by set, KrQ ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

OCD10-M80300 ENGINE SECTION
Fig.3. FLYWHEEL HOUSING & OIL SUMP



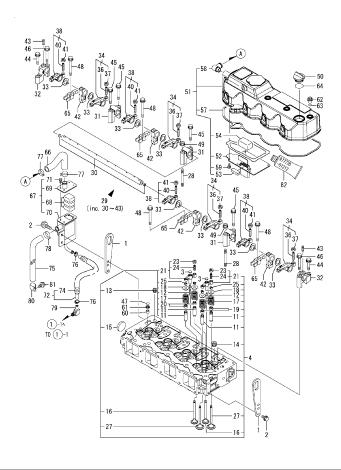
				(A)=4TNV98T-NSV (B)=			(D)= (E)=	⊃10 - N	180300) Fig	g.3	
No.	Lev.	Parts No.	Description	(C)= on	(4)	(D)		'ty	(F)	(F)	ı	R
1	1	129100-01580	PIN, PARALLEL 8X16		(A)	(B)	(C)	(D)	(E)	(F)		_
2	1	129955-01600	HOUSING, FLYWHEEL		1							
3	1	119620-01750	CAP		1							
4	1	977770-01212	GASKET, LIQUID		1							1
5	1	26206-100352	BOLT, M10X 35 PLATED		9							
6	1	26206-100702	BOLT, M10X 70 PLATED		3							
7	1	124411-01780	SEAL, HTC95X115X12		1							
8	1	129953-01710	OIL PAN ASSY		1							
9	2	119640-01640	PLUG, DRAIN M22		_1_							
11	2	22190-220002	WASHER, SEAL 22		1							
12	1	26106-080122	BOLT, M8X 12 PLATED		16							
												_
												_
												_
												_
												_
												_
												_
												_

Remarks (1) OPTIONAL PART.

N:Old Vest New, Q:Old New, R:Old Vest New, R:Old Vest New, S:Old New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

0CD10-M80300 ENGINE SECTION

Fig.4. CYLINDER HEAD & BONNET



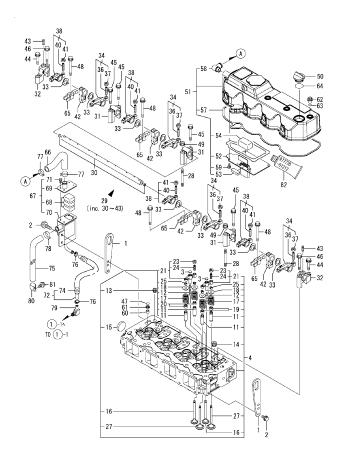
Remarks (1) REPAIR PART. (2) OPTIONAL PART.

							0CI	010 - M	80300	Fig	.4	
				(A)=4TNV98T-NSV			(D)=					
				(B)=			(E)=					
				(C)=			(F)=					
No.	Lev.	Parts No.	Description	n	(A)	(B)	(C)	ty (D)	(E)	(F)	ı	R
 1	1	129907-07900	LIFTER, ENGINE		2	(0)	(0)	(0)	(-)	(' /	_	_
2	1	26106-080162	BOLT, M8X 16 PLATED		4							
3	1	123907-11550	SEAT, VALVE BRIDGE		8							
4	1	129908-11700	HEAD ASSY, CYLINDER		1							
11	2	129907-11800	GUIDE, VALVE		16							1
12	2	123907-11820	GUIDE, BRIDGE		8							
13	2	23876-020000	PLUG, R02		1							
14	2	23876-030000	PLUG, R03		4							
15	2	27241-400000	PLUG, 40		1							
16	2	129907-11110	VALVE, EXHAUST		8							
17	2	129907-11120	SPRING, VALVE		16							
18	2	119620-11180	RETAINER, SPRING		16							
19	2	124160-11340	SEAL, VALVE STEM		8							
20	2	124950-11340	SEAL, VALVE STEM		8							
21	2	129907-11510	BRIDGE ASSY, VALVE		8							
23	3	129150-11750	NUT, M8		8							
24	3	123907-11830	ADJUSTER		8							
25	2	27310-070001	COTTER, 7		16							
27	2	129907-11100	VALVE, SUCTION		8							
28	1	119593-11301	BOLT, STUD M8X80		2							
29	1	129907-11341	SHAFT ASSY, ROCKER		1							
30	2	129907-11250	SHAFT, ROCKER ARM		1							
31	2	129907-11260	SUPPORT, ROCKER ARI	Л	3							
32	2	129907-11270	SUPPORT, ROCKER ARI		2							
33	2	123907-11280	WASHER		8							_
34	2	129907-11650	ARM ASSY, ROCKER		4							
36	3	129150-11230	SCREW, VALVE ADJUST		4							
37	3	129150-11750	NUT, M8		4							_
38	2	129907-11660	ARM ASSY, ROCKER		4							
40	3	129150-11230	SCREW, VALVE ADJUST		4							
41	3	129150-11750	NUT, M8		4							
42	2	129907-11920	RETAINER, NOZZLE		4							
43	2	26226-080222	STUD, M8X 22		2							
44	1	26106-080402	BOLT, M8X 40 PLATED		2							
45	1	26106-080602	BOLT, M8X 60 PLATED		4							
46	1	26106-080602	BOLT, M8X 60 PLATED		2							
47	1	24311-000120	O-RING, 1AP12.0		4							
48	1	129907-11950	BOLT, M8X75		4							
49	1	26306-080002	NUT, M8		2							
50	1	124160-01751	CAP, FILLER		1							
51	1	129908-11320	BONNET ASSY, HEAD		1							
52	2	129907-03010	PLATE, BAFFLE		1							
53	2	129907-03060	BAFFLE, BREATHER		1							
54	2	129907-03070	BAFFLE, BREATHER		1							
57	2	129907-11310	GASKET, BONNET		1							
58	2	119100-11330	ELBOW, BREATHER		1							_
59	2	22857-500100	SCREW, 5X10		6							
60	1	119802-11870	PROTECTOR, NOZZLE		4							
 61	1	119625-11880	SEAT, NOZZLE		4							_
62	1	124160-11360	KNOB		4							
63	1	24311-000120	O-RING. 1AP12.0		4							

63 1 24311-000120 O-RING, 1AP12.0 4

N:Old *\frac{\text{NSS}}{\text{res}} \text{New. C:Old *\frac{\text{NSS}}{\text{res}} \text{New. R:Old *\frac{\text{NSS}}{\text{res}} \text{New. S:Old *\frac{\text{NSS}}{\text{res}} \text{New. W:Add. Z:Discontinued. F:Interchangeable by set. K:O'ty Change ++ CONTINUE ++

OCD10-M80300 ENGINE SECTION Fig.4. CYLINDER HEAD & BONNET

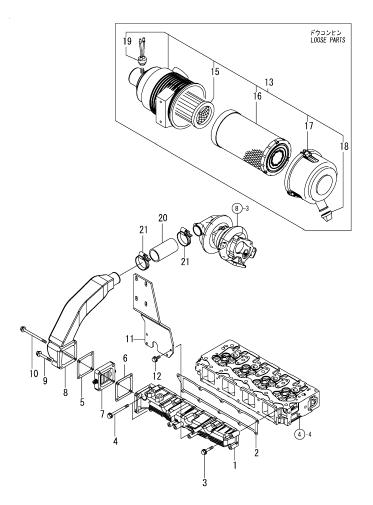


					(A)=4TNV98T-NSV (B)=			0CD10-M (D)= (E)=	180300) Fiç	ı.4	
	No.	Lev.	Parts No.	Description	(C)= on		(5)	(F)= Q'ty	-		ı	R
	64	1	24311-000320	O-RING, 1AP32.0		(A) 1	(B)	(C) (D)	(E)	(F)	_	_
	65	1	129907-11910	RETAINER, NOZZLE		4						
	66	1	129908-03099	HOSE, BREATHER		1						
	67	1	129908-03209	BREATHER ASSY		1						_
	68	2	123901-03240	FILTER		3						
	69	2	129908-03219	COVER, BREATHER		1						
	70	2	129908-03229	BREATHER		1					_	
	71	2	26116-050102	BOLT, M5X 10 PLATED		4						
	72	1	129935-03260	HOSE ASSY, RETURN		1						
	74	2	129935-03270	TUBE, CORRUGATED		1						
	75	1	119006-03090	HOSE, BREATHER		1						
	76	1	23000-022000	CLAMP, 22		2						
	77	1	129410-03990	CLAMP, HOSE 21.5		2						
	78	1	129960-03990	CLAMP, HOSE 19.8		1						
	79	1	123901-03280	ELBOW, PT3/8-10		1						
	80	1	129150-03100	RETAINER, PIPE		1						
	81	1	26106-080122	BOLT, M8X 12 PLATED		1						
	82	1	977770-01212	GASKET, LIQUID		1						2
_												
_											_	_
_												
_												

Remarks (1) REPAIR PART. (2) OPTIONAL PART.

N:Old $\frac{\sqrt{105}}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{\sqrt{105}}{100}$ New, S:Old $\frac{410}{100}$ New, W:Add, Z:Discontinued, F-Interchangeable by set, K:Oty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

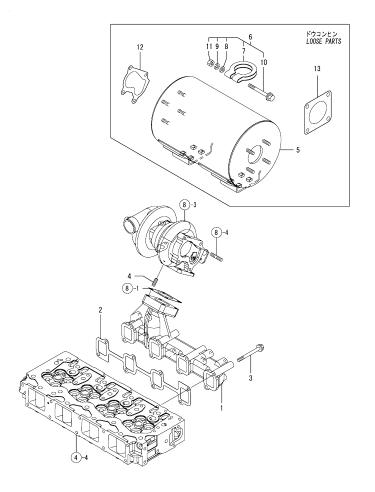
OCD10-M80300 ENGINE SECTION
Fig.5. SUCTION MANIFOLD & AIR CLEANER



					(A)=4TNV98T-NSV (B)= (C)=			0CD10-N (D)= (E)= (F)=	180300) Fig	,.5	
	No.	Lev.	Parts No.	Description	n	(A)	(B)	Q'ty (C) (D)	(E)	(F)	ı	R
	1	1	129944-12110	MANIFOLD, AIR INTAKE		1	(0)	(0) (0)	_(_/_	(')	_	_
	2	1	129907-12110	GASKET, MANIFOLD		1						
	3	1	26106-080452	BOLT, M8X 45 PLATED		8						
	4	1	26106-080802	BOLT, M8X 80 PLATED		2						
	5	1	119129-77020	GASKET		1						
	6	1	121850-77021	GASKET, AIR HEATER		1						
	7	1	119005-77050	HEATER, AIR		1						
	8	1	129935-18350	DUCT, AIR		1						
	9	1	26106-080752	BOLT, M8X 75 PLATED		2						_
	10	1	26106-080952	BOLT, M8X 95 PLATED		2						
	11	1	129944-12620	BRACKET, CLEANER		1						
	12	1	26013-080222	BOLT, SPRING M8X 22		4						_
	13 15	1 2	129935-12500	AIR CLEANER ASSY		1						
	16	2	119160-12570 129935-12520	ELEMENT, INNER ELEMENT, OUTER		1						
	17	2	119160-12530	COVER ASSY		1						_
	18	2	119160-12530	VALVE		1						
	19	2	119140-12680	INDICATOR, CLEANER		1						
_	20	1	123951-18220	JOINT, RUBBER		1						_
	21	1	23000-054000	CLAMP, 54		2						

N:Old $\frac{\sqrt{105}}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{\sqrt{105}}{100}$ New, S:Old $\frac{410}{100}$ New, W:Add, Z:Discontinued, F-Interchangeable by set, K:Oty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

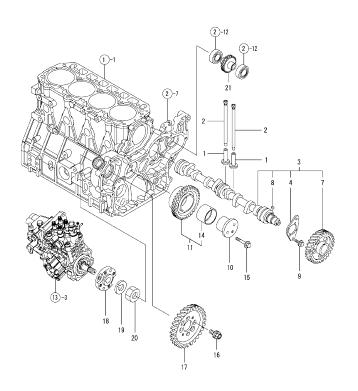
OCD10-M80300 ENGINE SECTION
Fig.6. EXHAUST MANIFOLD & SILENCER



							00040	400000	F: (
								M80300	Fig.)
					(A)=4TNV98T-NSV		(D)=			
					(B)= (C)=		(E)= (F)=			
	No.	1	Parts No.	December			Q'ty			
	NO.	Lev.	Parts No.	Description	ori	(A) (B		(E)	(F)	R
	1	1	129935-13100	MANIFOLD, EXHAUST		1	, (-, (-,		. ,	
	2	1	129900-13251	GASKET, EXH.MANIFOL	D	1				
	3	1	123900-13630	BOLT, M8X80		8				
	4	1	129418-18320	BOLT, STUD M8X20		4				
	5	1	129935-13510	SILENCER		1				
	6	1	121470-13590	CLAMP		1				
	7	2	121470-13580	CLAMP		1				
	8	2	22137-100000	WASHER, 10		1				
	9	2	22217-100000	WASHER, SPRING 10		_1				
	10	2	26106-100702	BOLT, M10X 70 PLATED		1				
	11	2	26706-100002	NUT, M10		1				
	12	1	123901-18080	GASKET		1				
	13	1	129400-13201	GASKET, SILENCER		2				
_										

N:Old $\frac{\text{Yes}}{\text{No}}$ New, Q:Old $\frac{\text{No}}{\text{Yes}}$ New, R:Old $\frac{\text{Yes}}{\text{Yes}}$ New, S:Old $\frac{\text{4}10}{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change Copyright (C) YANMAR CO., LTD, All RightsReserved.

OCD10-M80300 ENGINE SECTION Fig.7. CAMSHAFT & DRIVING GEAR

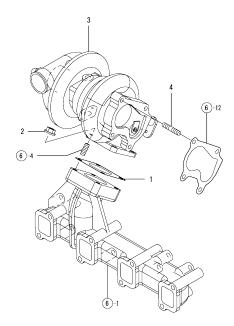


					(A)=4TNV98T-NSV (B)= (C)=			(D)= (E)= (F)=	010 - M	80300) Fig	g.7	
	No.	Lev.	Parts No.	Description		(A)	(B)	(F)- Q' (C)	ty (D)	(E)	(F)	ı	R
_	1	1	129150-14200	TAPPET		8	(0)	(0)	(0)	(_)	(1)	_	_
	2	1	129907-14400	PUSH-ROD		8							
	3	1	129908-14581	CAMSHAFTASSY		1							
	4	2	129150-02450	BEARING, THRUST		1						_	
	7	2	129900-14100	GEAR, CAMSHAFT		1							
	8	2	22512-070140	KEY, 7X 14		1							
	9	1	26106-080162	BOLT, M8X 16 PLATED		2						_	_
	10	1	123900-25060	SHAFT, IDLE GEAR		1							
	11	1	129900-25100	GEAR ASSY, IDLE		1							
	14	2	129150-25920	BUSH, IDLE GEAR		1							1
	15	1	26106-080552	BOLT, M8X 55 PLATED		3							
	16	1	129953-25300	BOLT		4							
	17	1	123907-25909	GEAR, PUMP		1						_	_
	18	1	158563-51150	FLANGE		1							
	19	1	22217-180000	WASHER, SPRING 18		1							
	20	1	26776-180002	NUT, LOCK M18		1							
	21	1	129900-26000	GEAR ASSY, PUMP		1							
_													
_													
_													

Remarks (1) REPAIR PART.

N:Old Vest New, Q:Old New, R:Old Vest New, R:Old Vest New, S:Old New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

осd10-м80300 ENGINE SECTION Fig.8. TURBINE

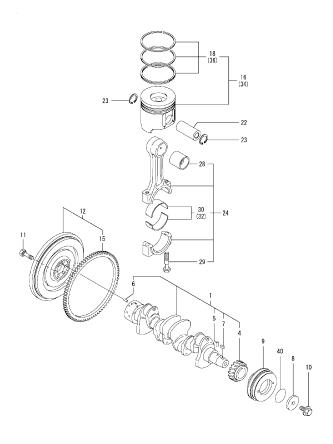


No. Lev. Parts No. Description Qty I R C								0CE	010 - M	80300) Fig	.8	
No. Lev. Parts No. Description C Q'ty I R Q'ty I R Q'ty Q'ty I R Q'ty Q'ty					(A)=4TNV98T-NSV			(D)=					
No. Lev. Parts No. Description Q'ty I R 1 1 129472-18090 GASKET 1 1 129306-080002 NUT, M8 4 4 4 3 1 129935-18010 TURBOCHARGER, RHF5 1 <					(B)=			(E)=					
(A) (B) (C) (D) (E) (F) 1 1 129472-18090 GASKET 1 2 1 26306-080002 NUT, M8 4 3 1 129935-18010 TURBOCHARGER, RHF5 1	NI- I		Dada Na	D					tv				_
1 1 129472-18090 GASKET 1 2 1 26306-080002 NUT, M8 4 3 1 129935-18010 TURBOCHARGER, RHF5 1	NO. I	Lev.	Pans No.	Descriptio	11	(A)	(B)	(C)	(D)	(E)	(F)		ĸ
2 1 26306-080002 NUT, M8 4 3 1 129935-18010 TURBOCHARGER, RHF5 1	1	1	129472-18090	GASKET				(-/	(-,		.,		
	2	1	26306-080002			4							
4 1 119131-18320 BOLT, STUD M8X22 4	3	1				1							
	4	1	119131-18320	BOLT, STUD M8X22		4							
													_
													_
													_
													_
													_
													_
													_
													_
													_
													_

N:Old $\frac{Vos}{160^5}$ New, Q:Old $\frac{Nos}{Vos}$ New, R:Old $\frac{Vos}{Vos}$ New, S:Old $\frac{No}{100^5}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

0CD10-M80300 ENGINE SECTION

Fig.9. CRANKSHAFT & PISTON



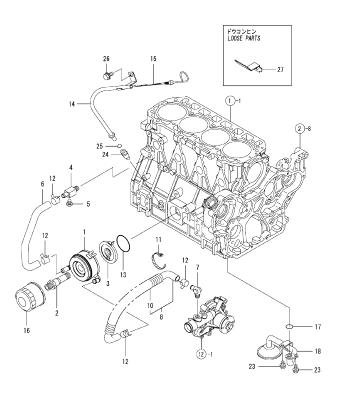
A	No. Lev. Parts No. Description C C C C C	No. Lev. Parls No. Description C C C C No. Lev. Parls No. Description C C C C C 1	No. Lev. Parls No. Description C C C C No. Lev. Parls No. Description C C C C C 1	No. Lev. Parls No. Description C F								0CD10-N	180300) Fig	g.9	
No. Lev. Parts No. Description	No. Lev. Parts No. Description Call Cal	No. Lev. Parts No. Description	No. Lev. Parts No. Description	No. Lev. Parts No. Description					(B)=			(E)=				
(A) (B) (C) (D) (E) (F) 1 1 129908-21000	(A) (B) (C) (D) (E) (F) 1 1 129908-21000	(A) (B) (C) (D) (E) (F) 1 1 129908-21000	(A) (B) (C) (D) (E) (F) 1 1 129908-21000	(A) (B) (C) (D) (E) (F) 1 1 129908-21000					(C)=							
1 1 12990-21000 CRANKSHAFT ASSY 1 4 2 12990-21200 GEAR, CRANKSHAFT 1 5 2 121850-21290 PIN 1 6 2 121850-21290 PIN PARALLEL 10X22 1 7 2 22512-070140 KEY, TX 14 1 8 1 129950-21640 WASHER 1 9 1 129957-21650 V-PULLEY 1 9-1 1 129957-21651 V-PULLEY 1 10-1 1 129950-21610 BOLT 1 10-1 1 129916-21610 BOLT 1 10-1 1 129916-21610 BOLT 1 1 1 121850-21130 BOLT 1 12 2 129900-21580 FLYWHEEL ASSY 1 15 2 129900-21580 FLYWHEEL ASSY 1 16 1 129905-22080 PISTON ASSY 4 18 2 129907-2505 RING SET, PISTON 4 22 1 120130-22301 PIN, PISTON 4 23 1 22252-000300 RING, 30 8 24 1 129900-23000 RING, 30 8 25 1 129900-23000 BEARING, PISTON PIN 4 29 2 129900-23000 BEARING, PISTON PIN 4 29 1 129900-23000 BEARING, PISTON PIN 4 20 1 129900-23000 BEARING, CRANK PIN 4 21 1 129900-23000 BEARING, CRANK PIN 4 22 1 129900-23000 BEARING, CRANK PIN 4 23 1 129900-23000 BEARING, CRANK PIN 4 24 1 729908-22900 PISTON ASSY, 0.25 US 4	1 1 12990-21000 CRANKSHAFT ASSY 1 4 2 12990-21200 GAR, CRANKSHAFT 1 5 2 121850-21290 PIN 1 6 2 121850-21290 PIN PARALLEL 10X22 1 7 2 22512-070140 KEY, 7X 14 1 8 1 129950-21640 WASHER 1 9 1 129957-21650 V-PULLEY 1 9-1 1 129957-21651 V-PULLEY 1 10-1 1 129950-21610 BOLT 1 10-1 1 129916-21610 BOLT 1 10-1 1 129916-21610 BOLT 1 1 1 129900-21800 GEAR, RING 1 15 2 129900-21580 FLYWHEEL ASSY 1 15 2 129900-21500 GEAR, RING 1 16 1 129908-22080 PISTON ASSY 4 18 2 129907-2505 RING SET, PISTON 4 23 1 22252-000300 RING, 30 8 24 1 129900-23000 RING, 30 8 24 1 129900-23000 BEARING, PISTON PIN 4 29 2 129900-23000 BEARING, PISTON PIN 4 29 2 129900-23000 BEARING, CRANK PIN 4 29 2 129900-23000 BEARING, CRANK PIN 4 20 1 129900-23000 BEARING, CRANK PIN 4 21 1 129900-23000 BEARING, CRANK PIN 4 22 1 120900-23000 BEARING, CRANK PIN 4 23 1 129900-23000 BEARING, CRANK PIN 4 29 2 129900-23000 BEARING, CRANK PIN 4 20 1 129900-23000 BEARING, CRANK PIN 4 20 1 129900-23000 BEARING, CRANK PIN 4 20 2 729907-22950 RING SSY, 0.25 US 4	1 1 12990-21000 CRANKSHAFT ASSY 1 4 2 12990-21200 GEAR, CRANKSHAFT 1 5 2 121850-21290 PIN 1 6 2 121850-21290 PIN PARALLEL 10X22 1 8 1 12990-21640 WASHER 1 9 1 129957-21650 V-PULLEY 1 9-1 1 129957-21651 V-PULLEY 1 10-1 1 129950-21680 BOLT 1 10-1 1 129916-21610 BOLT 1 1 1 121850-21130 BOLT 1 1 1 12990-21580 FLYWHEEL ASSY 1 15 2 12990-21600 GEAR, RING 1 16 1 12990-21500 GEAR, RING 1 16 1 12990-21500 FIN SSY 4 18 2 12990-21000 RING, 30 8 22 1 120130-22301 PIN, PISTON 4 23 1 2225-000300 RING, 30 8 24 1 12990-23000 ROD ASSY, CONNECTING 4 28 2 12990-23000 BEARING, PISTON PIN 4 29 1 12990-23000 BEARING, CRANK PIN 4 29 1 12990-23000 BEARING, CRANK PIN 4 30 1 729908-22900 PISTON ASSY, 0.25 OS 4	1 1 12990-21000 CRANKSHAFT ASSY 1 4 2 12990-21200 GEAR, CRANKSHAFT 1 5 2 121850-21290 PIN 1 6 2 121850-21290 PIN PARALLEL 10X22 1 8 1 12990-21640 WASHER 1 9 1 129957-21650 V-PULLEY 1 9-1 1 129957-21651 V-PULLEY 1 10-1 1 129950-21680 BOLT 1 10-1 1 129916-21610 BOLT 1 1 1 121850-21130 BOLT 1 1 1 12990-21580 FLYWHEEL ASSY 1 15 2 12990-21600 GEAR, RING 1 16 1 12990-21500 GEAR, RING 1 16 1 12990-21500 FIN SSY 4 18 2 12990-21000 RING, 30 8 22 1 120130-22301 PIN, PISTON 4 23 1 2225-000300 RING, 30 8 24 1 12990-23000 ROD ASSY, CONNECTING 4 28 2 12990-23000 BEARING, PISTON PIN 4 29 1 12990-23000 BEARING, CRANK PIN 4 29 1 12990-23000 BEARING, CRANK PIN 4 30 1 729908-22900 PISTON ASSY, 0.25 OS 4	1 1 12990-21000 CRANKSHAFT ASSY 1 1 1 1 1 1 1 12990-21290 PIN PARALLEL 10X22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	No.	Lev.	Parts No.	Description	1						1	
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23 1 22252-000300 RING, 30 8 24 1 129900-23000 ROD ASSY, CONNECTING 4 28 2 129900-23910 BEARING, PISTON PIN 4 29 2 129900-23200 BOLT, CONNECTING ROD 8 30 2 129900-23600 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING, GSSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	23 1 22252-000300 RING, 30 8 24 1 129900-23900 ROD ASSY, CONNECTING 4 28 2 129900-23910 BEARING, PISTON PIN 4 29 2 129900-23200 BOLT, CONNECTING ROD 8 30 2 129900-23600 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING, ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	23 1 22252-000300 RING, 30 8 24 1 129900-23000 ROD ASSY, CONNECTING 4 28 2 129900-23910 BEARING, PISTON PIN 4 29 2 129900-23200 BOLT, CONNECTING ROD 8 30 2 129900-23600 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	23 1 22252-000300 RING, 30 8 24 1 129900-23000 ROD ASSY, CONNECTING 4 28 2 129900-23910 BEARING, PISTON PIN 4 29 2 129900-23200 BOLT, CONNECTING ROD 8 30 2 129900-23600 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	23 1 22252-000300 RING, 30 8 24 1 129900-23000 ROD ASSY, CONNECTING 4 28 2 129900-23910 BEARING, PISTON PIN 4 29 2 129900-23200 BOLT, CONNECTING ROD 8 30 2 129900-23600 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	22	1	120130-22301	PIN, PISTON		4						
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29 2 129900-23200 BOLT, CONNECTING ROD 8 30 2 129900-23600 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	29 2 129900-23200 BOLT, CONNECTING ROD 8 30 2 129900-23600 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING, ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	29 2 129900-23200 BOLT, CONNECTING ROD 8 30 2 129900-23600 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	29 2 129900-23200 BOLT, CONNECTING ROD 8 30 2 129900-23600 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	29 2 129900-23200 BOLT, CONNECTING ROD 8 30 2 129900-23600 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4												
30 2 129900-23600 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	30 2 129900-23600 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-2290 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	30 2 129900-23610 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	30 2 129900-23610 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	30 2 129900-23610 BEARING, CRANK PIN 4 32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4)	8						_
32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	32 1 129900-23610 BEARING ASSY, 0.25US 4 34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4												
34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4	34 1 729908-22900 PISTON ASSY, 0.25 OS 4 36 2 729907-22950 RING SET, 0.25 OS 4												
36 2 729907-22950 RING SET, 0.25 OS 4	36 2 729907-22950 RING SET, 0.25 OS 4	36 2 729907-22950 RING SET, 0.25 OS 4	36 2 729907-22950 RING SET, 0.25 OS 4	36 2 729907-22950 RING SET, 0.25 OS 4								-				-
	1 24041-000000 ONING, INCOMO			1 24341-00000 C-MMC, (A00000		_										
The second state of the se								o rance, massis		<u> </u>						

Remarks
(1)Spare parts.
(2)Under-sized(U.S.=0.25) parts.
(3)Over-sized(O.S.=0.25) parts.
(4)No.9-1, 10-1 & Fig.2 No.4-1 interchangeable by set. For repair.

N:Old $\frac{\sqrt{NS}}{NO}$ New, Q:Old $\frac{\sqrt{NS}}{\sqrt{NS}}$ New, R:Old $\frac{\sqrt{NS}}{\sqrt{NS}}$ New, S:Old $\frac{\sqrt{NS}}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

0CD10-M80300 Fig.9

OCD10-M80300 ENGINE SECTION Fig.10. LUB.OIL SYSTEM

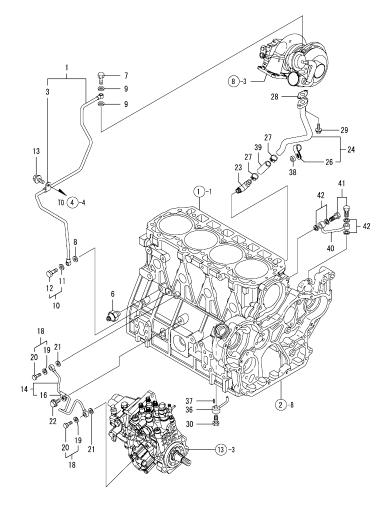


				(A)=4TNV98T-NSV (B)=			(D)= (E)=	010 - M	180300) Fig	j.10	J
				(C)=			(F)=					
No.	Lev.	Parts No.	Description	n	(A)	(B)	Q' (C)		(E)	(F)	ı	
1	1	129908-33010	COOLER ASSY, OIL		1							
2	1	123912-33100	BOLT, COOLER		1							
3	1	129908-33100	BRACKET, OIL COOLER		1							
4	1	129006-44480	JO I NT		1							
5	1	171056-49120	PLUG, DRAIN R1/4		1							
6	1	129944-49059	PIPE, WATER		1							
7	1	129466-49300	ELBOW, PT3/8		1							
8	1	123910-49600	HOSE ASSY, WATER		1							
10	2	123910-49610	TUBE, CORRUGATED		1							
11	1	121750-59890	BAND, NYLON		1							
12	1	23000-025000	CLAMP, 25		4							
13	1	24321-000600	O-RING, 1AG60.0		1							
14	1	129951-34812	GUIDE, DIPSTICK		1							
15	1	129951-34801	DIPSTICK		1							
16	1	129150-35153	FILTER ASSY, D80X80L		1							
17	1	129900-32030	O-RING, P20		1							
18	1	129900-35000	PIPE ASSY, OIL INLET		1							
23	1	26106-080122	BOLT, M8X 12 PLATED		2							
24	1	119260-34810	GUIDE, DIPSTICK		1							
25	1	24311-240100	O-RING, 1AP10A		1							
26	1	26106-080162	BOLT, M8X 16 PLATED		1							
27	1	129136-66852	SUPPORT		1		-				_	

Remarks (1) REPAIR PART.

N:Old Vest New, Q:Old New, R:Old Vest New, R:Old Vest New, S:Old New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

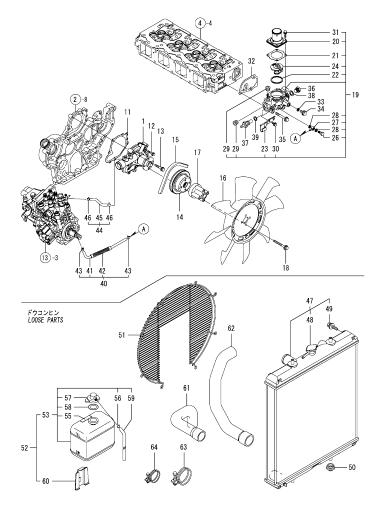
0CD10-M80300 ENGINE SECTION Fig.11. LUB.OIL LINE



				(A)=4TNV98T-NSV (B)=			0CD10-N (D)= (E)=	180300) Fig	g.11	
				(C)=			(F)=				
No.	Lev.	Parts No.	Description	on		(5)	Q'ty	-	-	ı	R
4		100005 00010	DIDE 4 00V OII		(A)	(B)	(C) (D)	(E)	(F)	_	
1 3	1 2	129935-39040 124223-39900	PIPE ASSY, OIL RETAINER		1						
6	1				1						
		121252-39450	SWITCH, HYDRAULIC								
7	1	121252-39150	BOLT, JOINT M10X1.5		1						
8	1	22190-080002	WASHER, SEAL 6		1						
9		23414-100000	GASKET, 10X1.0		2						
10	1	129005-59830	BOLT ASSY, JOINT M8		1						
11	2	22190-080002	WASHER, SEAL 6		1						
12		23857-030000	BOLT, JOINT 3		1					_	
13	1	26106-080122	BOLT, M8X 12 PLATED		1						
14	1	129907-39061	PIPE ASSY, OIL		1						
16	2	123907-39500	RETAINER, PIPE		1_						
18	1	129005-59830	BOLT ASSY, JOINT M8		2						
19	2	22190-080002	WASHER, SEAL 6		2						
20	2	23857-030000	BOLT, JOINT 3		2						
21	1	22190-080002	WASHER, SEAL 6		2						
22	1	26106-080122	BOLT, M8X 12 PLATED		1						
23	1	124070-13300	ELBOW, PT3/8		1						
24	1	129935-39610	PIPE, OIL		1						
26	2	123910-39850	RETAINER		1						
27	1	23000-025000	CLAMP, 25		2						
28	1	129908-39690	GASKET		1						
29	1	26106-060162	BOLT, M6X 16 PLATED		2						
30	1	129908-39410	VALVE ASSY, CHECK		4						
36	1	119000-39650	NOZZLE, COOLING		4						
37	1	22351-030010	PIN, SPRING 3.0X10		4						
38	1	106500-44810	SPACER, PULLEY		1						
39	1	123901-39820	HOSE, LO RETURN		1						
40	1	129930-39050	PIPE, OIL		1						
41	1	105010-39140	BOLT, PIPE JOINT		2						
42	1	22190-080002	WASHER, SEAL 6		4						
											_

N-Old $\frac{\pi^{(05)}}{\log^2}$ New, Q-Old $\frac{\pi^{(05)}}{\log^2}$ New, R-Old $\frac{\pi^{(05)}}{\log^2}$ New, S-Old $\frac{\pi^{(05)}}{\log^2}$ New, W-Add, Z-Discontinued, F-Interchangeable by set. K-O'ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

OCD10-M80300 ENGINE SECTION
Fig.12. COOLING WATER SYSTEM



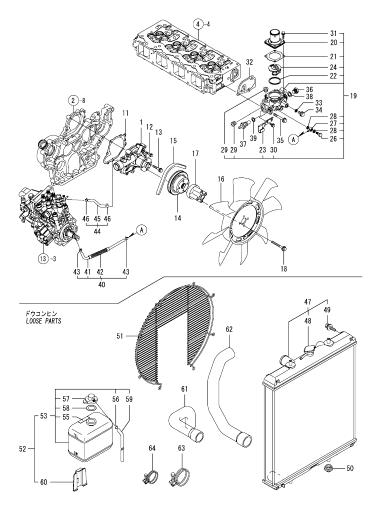
						0CD10-N	180300	Fig	g.12	
			(A)=4TNV98T-NS\	/		(D)=				
			(B)=			(E)=				
			(C)=			(F)=				
No.	Lev.	Parts No.	Description		(5)	Q'ty	(T)		ı	R
		100007 10000	DUMP A COV MATER	(A)	(B)	(C) (D)	(E)	(F)		_
1 11	1 1	129907-42000 129900-42020	PUMP ASSY, WATER	1						
12			GASKET, WATER PUMP	1 2						
	1	26106-060302	BOLT, M6X 30 PLATED	5						
13 14	1 1	26106-080552 129900-42450	BOLT, M8X 55 PLATED	5 1						
15	1	119006-42290	V-PULLEY, C.W.PUMP V-BELT, A 2 INCH	1						
16	1			1						
17	1	129920-44740 119117-44760	FAN, COOLING	1						
17	1	129916-44770	SPACER, FAN BOLT, M8X78	4						
19	1			1						_
20	2	129946-49810	CASE ASSY,THERMOSTAT	1						
	_	129916-49530	COVER, THERMOSTAT							
21	2	121850-49540	GASKET, THERMOSTAT	1						
22	2	121850-49550	GASKET, THERMOSTAT	1						
23	2	129907-49730	RETAINER, PIPE	1						
24	2	121850-49800	THERMOSTAT, 82C	1_						
26	2	105582-59150	BOLT, PIPE JOINT M8	1						
27	2	23387-040800	JOINT, HOSE 4-8	1						
28	2	23414-080000	GASKET, 8X1.0	2						
29	2	23875-030000	PLUG, R03	2						
30	2	26106-060122	BOLT, M6X 12 PLATED	2						
31	2	26106-060202	BOLT, M6X 20 PLATED	4						
32	1	129900-49870	GASKET, THERMOSTAT	1						
33	1	23414-080000	GASKET, 8X1.0	1						
34	1	26106-080122	BOLT, M8X 12 PLATED	1						
35	1	26106-080602	BOLT, M8X 60 PLATED	3						
36	1	121450-42450	PLUG, M16	1						
37	1	124250-49351	SENSOR, WATER TEMP.	1						
38	1	124465-44950	GASKET, 16	1					_	_
39	1	129150-49360	GASKET	1						
40	1	129907-49610	HOSE ASSY, WATER	1						
41	2	129907-49710	HOSE, WATER	1					_	_
42	2	129907-49750	TUBE, CORRUGATED	1						
43	2	124722-59050	CLAMP, HOSE 9	2						
44	1	129907-49620	HOSE ASSY, WATER	1						
45	2	129907-49720	HOSE, WATER	1						
46	2	124722-59050	CLAMP, HOSE 9	2						
47	1	129940-44500	RADIATOR ASSY	1						_
48	2	129940-44590	CAP, RADIATOR	1						
49	2	26014-060122		4						
			BOLT, M6X 12	_						
50	1	119255-44660	ABSORBER	4						
51	1	129907-44570	GUARD	1						
52	1	120147-44800	TANK ASSY, SUB	1_						
53	2	121857 - 44800	TANK ASSY, RESERVE	1						
55	3	121850-44830	LABEL, RESERVE TANK	1						
56	3	121850-44880	CLAMP, HOSE	1						
57	3	121850-44850	CAP	1						
58	3	121850-44860	GASKET	1						
59	3	121850-44870	HOSE	1_						
60	2	120147-44810	BRACKET	1						
61	1	129981-49050	HOSE, WATER	1						
62	1	129981-49060	PIPE, WATER	1						

 62
 1
 129981-49060
 PIPE, WATER
 1

 N:Old ¹⁰⁰⁵/₁₀₀ New. C:Old ¹⁰⁰/₁₀₀ New. R:Old ¹⁰⁰/₁₀₀ New. R:Old ¹⁰⁰/₁₀₀ New. S:Old ¹⁰⁰/₁₀₀ New. W:Add, Z:Discontinued. F:Interchangeable by set. K:O'ty Change ++ CONTINUE ++

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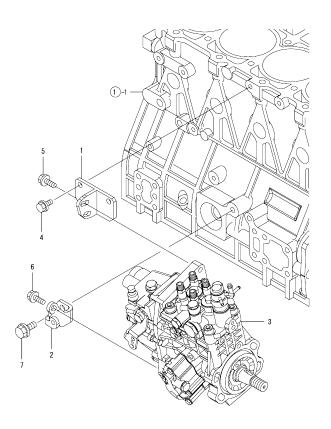
OCD10-M80300 ENGINE SECTION
Fig.12. COOLING WATER SYSTEM



					(E (C	A)=4TNV98T-NSV 3)= 5)=			(D)= (E)= (F)=	010 - M	80300) Fig		
	No.	Lev.	Parts No.		Description		(A)	(B)	(C)	ty (D)	(E)	(F)	ı	R
-	63 64	1	23000-090000 23000-060000	CLAMP, 90 CLAMP, 60			1	(5)	(0)	(0)	(=)	(')		
-														
-														
-														
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_			No	Vor	No									_

N:Old $\frac{V^{NS}}{NO}$ New, Q:Old $\frac{V^{NS}}{VOS}$ New, R:Old $\frac{V^{NS}}{VOS}$ New, S:Old $\frac{V^{NS}}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

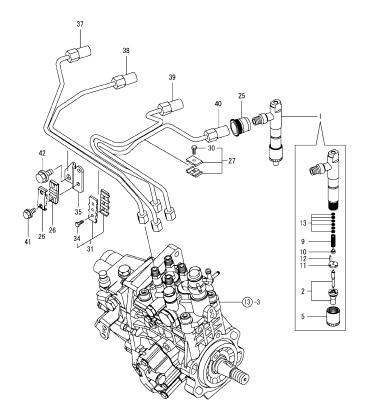
OCD10-M80300 ENGINE SECTION Fig.13. FUEL INJECTION PUMP



					(A)=4TNV98T-NSV (B)= (C)=			0CI (D)= (E)= (F)=	D10-M	180300) Fig	ı.13
	No.	Lev.	Parts No.	Description		(A)	(B)	Q	'ty (D)	(E)	(F)	I R
	1	1	129907-01950	RETAINER, PUMP		1						
	2	1	129907-01960	RETAINER, PUMP		1						
	3	1	729935-51310	INJECTON PUMP ASSY		1						
	4	1	26106-080162	BOLT, M8X 16 PLATED		2						
	5	1	26106-080222	BOLT, M8X 22 PLATED		2						
	6	1	26106-080222	BOLT, M8X 22 PLATED		1						
	7	1	26106-100202	BOLT, M10X 20 PLATED		1						
	,		20100-100202	BOET, WHOX 201 EATED								
_												
_												
_												
_												
_												
_												
_												

N:Old Vies New, Q:Old New, R:Old Vies New, R:Old Vies New, S:Old New, S:Old New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

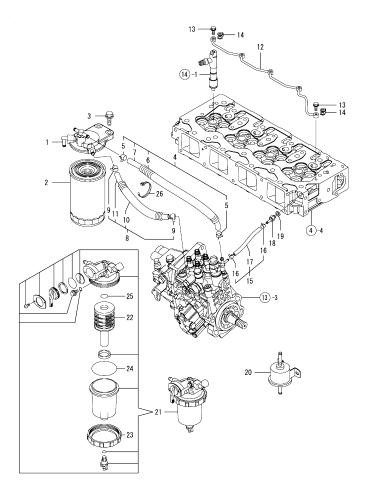
OCD10-M80300 ENGINE SECTION Fig.14. FUEL INJECTION VALVE



					(A)=4TNV98T-NSV			0CD10-N (D)=	180300) Fig	ı.14	
					(B)= (C)=			(E)= (F)=				
	No.	Lev.	Parts No.	Description				Q'ty			ı	R
			r uno rio.	Возоприс	,,,	(A)	(B)	(C) (D)	(E)	(F)		
	1	1	729908-53100	FUEL INJECTOR ASSY		4						
	2	2	129908-53000	NOZZLE ASSY, F.I.		4						
	5	2	114250-53080	NUT, NOZZLE		4						
	9	2	114250-53120	SPRING, NOZZLE		4						
	10	2	114250-53130	SEAT, SPRING		4						
	11	2	114250-53140	SPACER		4						
	12	2	114250-53210	PIN		8						
	13	2	114250-53400	SHIM SET		4						
_	25	1_	123907-11601	SEAL, PIPE							_	_
	26	1	122780-59100	RETAINER		2						
	27	1	119305-59120	RETAINER, PIPE		1						
	30	1	129150-59131 129550-59120	BOLT, M4X14		1					_	
	31	2	129550-59120	RETAINER, PIPE BOLT, M4X14		2						
	35	1		SUPPORT		1						
_	37	1	129907-59720	PIPE ASSY, INJECTION		1						
	38	1	129908-59820	PIPE ASSY, INJECTION		1						
	39	1	129908-59830	PIPE ASSY, INJECTION		1						
	40	1	129908-59840	PIPE ASSY, INJECTION		1						
	41	1	26106-060162	BOLT, M6X 16 PLATED		2						
	42	1	26106-080182	BOLT, M8X 18 PLATED		1						
						•						
_												
_												

NrOld Vest New, QrOld Vest New, RrOld Vest New, RrOld Vest New, SrOld No. New, WrAdd, Zr.Discontinued, F.Interchangeable by set, KrQ ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

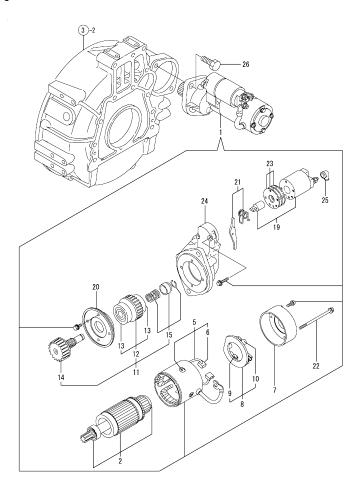
OCD10-M80300 ENGINE SECTION Fig.15. FUEL LINE



					(A)=4TNV98T-NSV			0CD10-N (D)=	180300	Fig.	15
					(B)=			(E)=			
					(C)=			(F)=			
	No.	Lev.	Parts No.	Description	on	(A)	(B)	Q'ty (C) (D)	(E)	(F)	I R
	1	1	129004-55610	BRACKET, FILTER		1	(0)	(0) (0)	(=)	(')	
	2	1	123907-55800	FILTER, FUEL		1					
	3	1	26106-080302	BOLT, M8X 30 PLATED		2					
	4	1	129457-59010	HOSE ASSY, FUEL		1					
	5	2	124766-59050	CLAMP, HOSE 11.5		2					
	6	2	129957-59120	TUBE, CORRUGATED 15	5	1					
	7	2	105025-59750	HOSE, FUEL		1					
	8	1	129981-59010	HOSE ASSY, FUEL		1					
	9	2	124766-59050	CLAMP, HOSE 11.5		2					
	10	2	129950-59221	TUBE, CORRUGATED 15	5	1					
	11	2	129980-59510	HOSE, FUEL		1					
	12	1	129907-59140	PIPE ASSY, RETURN		1					
	13	1	123907-59540	BOLT, PIPE JOINT M6		5					
	14	1	123907-59550	GASKET		5					
	15	1	129486-59551	HOSE ASSY, RETURN		_1					
	16	2	124722-59050	CLAMP, HOSE 9		2					
	17	2	129486-59510	HOSE, FUEL RETURN		1					
	18	1	123907-59560	JOINT, HOSE		1					
	19	1	22190-080002	WASHER, SEAL 6		1					
	20	1	129612-52100	PUMP, FUEL FEED		1					
	21	1	119802-55700	SEPARATOR ASSY, WAT	ER	_1					
	22	2	119802-55710	ELEMENT		1					
	23	2	129100-55690	RING, CUP RETAINING		1					
	24	2	24321-000650	O-RING, 1AG65.0		1					
	25	2	24311-000160	O-RING, 1AP16.0		1					
	26	1	121750-59890	BAND, NYLON		1					
_											
_											
_											

N:Old $\frac{4^{100}}{160}$ New, Q:Old $\frac{4^{100}}{100}$ New, R:Old $\frac{4^{100}}{100}$ New, S:Old $\frac{4^{100}}{100}$ New, W:Add, Z:Discontinued, F-Interchangeable by set. K:Q*ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

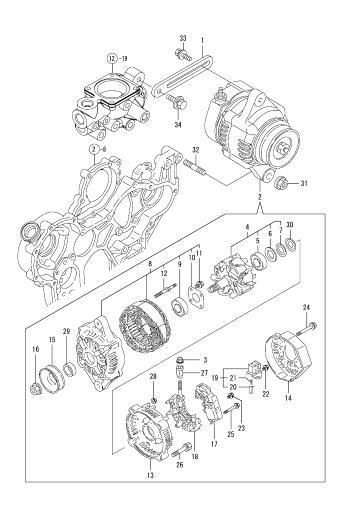
0CD10-M80300 ENGINE SECTION Fig.16. STARTING MOTOR



				(A)=4TNV98T-NSV (B)= (C)=			(D)= (E)= (F)=	010 - N	180300) Fiç	j.16	
No.	Lev.	Parts No.	Description	on	(A)	(B)	Q (C)	ty (D)	(E)	(F)	ı	R
1	1	123900-77010	STARTER ASSY		1							_
2	2	123900-77400	ARMATURE ASSY		1							
5	2	123900-77440	COIL ASSY, FIELD		1							
6	3	123900-77450	BRUSH		2							
7	2	123900-77460	COVER		1							
8	2	123900-77480	HOLDER ASSY, BRUSH		1							
9	3	123900-77450	BRUSH		2							
10	3	121254-77590	SPRING, BRUSH		4							
11	2	123900-77510	PINION ASSY		_ 1							
12	3	123900-77520	CLUTCH ASSY		1							
13	4	X2240610100	BEARING, BALL		2							
14	3	123900-77540	SHAFT, PINION		1							
15	3	119131-77550	STOPPER SET, PINION		1							_
19	2	129900-77591	SWITCH ASSY, MAGNET	•	1							
20	2	123900-77610	RETAINER, BEARING		1							
21	2	129900-77620	LEVER SET		1							_
22	2	123900-77640	BOLT, THROUGH		2							
23	2	123900-77650	COVER KIT, DUST		1							
24	2	123900-77710	CASE, GEAR		1							
25	2	171008-77750	COVER, TERMINAL		1							
26	1	26116-120252	BOLT, M12X 25 PLATED		2							

NrOld Vest New, QrOld Vest New, RrOld Vest New, RrOld Vest New, SrOld No. New, WrAdd, Zr.Discontinued, F.Interchangeable by set, KrQ ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

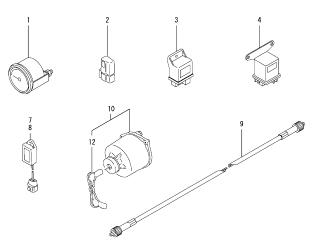
OCD10-M80300 ENGINE SECTION Fig.17. GENERATOR



				(A)=4TNV98T-NSV (B)= (C)=			0CD10-N (D)= (E)= (F)=	180300	Fig	յ.17	
No.	Lev.	Parts No.	Description	n	(A)	(B)	Q'ty (C) (D)	(E)	(F)	ı	R
 1	1	129900-77330	ADJUSTER, BELT		1	(=)	(0) (0)	(-)	.,	_	_
2	1	129423-77200	GENERATOR ASSY, 40A		1						
3	2	X9490561001	NUT		1						
4	2	119620-77380	ROTOR ASSY		1					_	_
5	3	119620-79240	BEARING, BALL		1						
6	3	119620-79250	COVER, BEARING		1						
7	3	119620-79360	WASHER, THRUST		1					_	_
8	2	119620-77421	FRAME ASSY,GENERAT	OR	1						
9	3	119620-79200	BEARING, BALL		1						
10	3	119620-79210	RETAINER		1						
11	3	119620-79220	SCREW		4						
12	3	119620-79230	BOLT, STUD		2						
13	2	119620-77440	FRAME ASSY		1					_	
14	2	129240-79300	COVER		1						
15	2	119620-77461	PULLEY, GENERATOR		1						
16	2	119620-77471	NUT		1					_	_
17	2	129423-77710	REGULATOR ASSY		1						
18	2	119620-79260	HOLDER		1						
 19	2	119620-79270	HOLDER, BRUSH		1					_	_
20	3	119620-77480	BRUSH		2						
21	3	119620-79280	SPRING		2						
 22	2	119620-79290	SCREW		1					_	_
23	2	119620-79300	SCREW		1						
24	2	119620-79310	BOLT		3						
 25	2	119620-79320	SCREW		2					_	_
26	2	119620-79330	BOLT		2						
27	2	119620-79340	BUSH, INSULATION		1						
 28		119620-79350	NUT		2					_	
29	2	119620-77490	COLLAR		1						
30	2	119620-79360	WASHER, THRUST		1						
31	1	26306-100002	NUT, M10		1					_	_
32	1	129795-01900	BOLT, STUD M10X33		1						
33	1	119810-77340	BOLT, ADJUST L=30		1						
34	1	26014-080252	BOLT, M8X 25		1						
											_

N:Old $\frac{\text{Yes}}{\text{No}}$ New, Q:Old $\frac{\text{No}}{\text{Yes}}$ New, R:Old $\frac{\text{Yes}}{\text{Yes}}$ New, S:Old $\frac{\text{4}10}{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change Copyright (C) YANMAR CO., LTD, All RightsReserved.

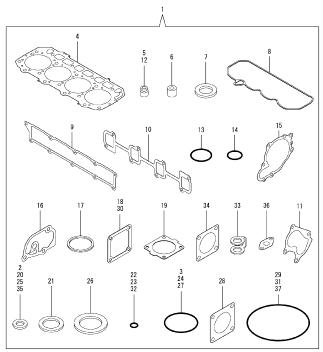
0СD10-M80300 ENGINE SECTION Fig.18. ELECTRIC PART

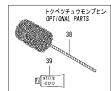


					(A)=4TNV98T-NSV (B)= (C)=			0CD10- (D)= (E)= (F)=	V18030) Fig	g.18	
	No.	Lev.	Parts No.	Description	on	(A)	(B)	Q'ty (C) (D)	(E)	(F)	I	R
	1	1	194697-56110	METER ASSY, FUEL		1	(D)	(C) (D)	(=)	(୮)	_	_
	2	1	119643-66900	DIODE		1						
	3	1	119802-77200	RELAY, SAFETY		1						
	4	1	119650-77910	RELAY ASSY, GLOW		1						
	7	1	128300-77920	TIMER		1						
	8	1	129211-77920	TIMER		1						
	9	1	129137-91160	CABLE, TACHOMETER		1						
	10	1	129115-91250	SWITCH ASSY, STARTER	₹	1						
	12	2	129115-91270	KEY		1						_
_												_
												_
												_
_												_
_												
												_
												_
												_

N:Old Ves New, O:Old Ves New, R:Old Ves New, R:Old Ves New, S:Old No. New, V:Add, Z:Discontinued, F:Interchangeable by set, K:O'ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

OCD10-M80300 ENGINE SECTION Fig.19. GASKET SET





								OCL)1U-IV	180300) Fig	յ.19	
					(A)=4TNV98T-NSV			(D)=					
					(B)=			(E)=					
					(C)=			(F)=					
	No.	Lev.	Parts No.	Descriptio	n		(5)	Q'		-		ı	R
						(A)	(B)	(C)	(D)	(E)	(F)		_
	1	1	729907-92700	GASKET SET		1							1
	2	2	129150-49360	GASKET		1							
	3	2	24341-000240	O-RING, 1AS24.0		1							
	4	2	129907-01331	GASKET, HEAD		1							
	5	2	124160-11340	SEAL, VALVE STEM		8							
	6	2	119802-11870	PROTECTOR, NOZZLE		4							
	7	2	119625-11880	SEAT, NOZZLE		4							
	8	2	129907-11310	GASKET, BONNET		1							
	9	2	129907-12110	GASKET, MANIFOLD		1							
	10	2	129900-13251	GASKET, EXH MANIFOLD)	1							
	11	2	123901-18080	GASKET		1							
	12	2	124950-11340	SEAL, VALVE STEM		8							
	13	2	129900-32030	O-RING, P20		2							
	14	2	129900-32040	O-RING, P14		1							
	15	2	129900-42020	GASKET, WATER PUMP		1							
	16	2	129900-49870	GASKET, THERMOSTAT		1							
	17	2	121850-49550	GASKET, THERMOSTAT		1							
	18	2	121850-77021	GASKET, AIR HEATER		1							
	19	2	121850-49540	GASKET, THERMOSTAT		1							
	20	2	23414-080000	GASKET, 8X1.0		3							
	21	2	124465-44950	GASKET, 16		1							
	22	2	24311-000070	O-RING, 1AP7.0		1							
	23	2	24311-000120	O-RING, 1AP12.0		8							
	24	2	24311-000320	O-RING, 1AP32.0		2							
	25	2	22190-080002	WASHER, SEAL 6		11							_
	26	2	22190-220002	WASHER, SEAL 22		1							
	27	2	24351-030750	O-RING, 1A3075		1							
	28	2	129400-13201	GASKET, SILENCER		2							_
	29	2	24321-000850	O-RING, 1AG85.0		1							
	30	2	119129-77020	GASKET		1							
	31		24321-000600	O-RING, 1AG60,0		1						_	_
	32	2	24311-240100	O-RING, 1AP10A		1							
	33	2	123907-59550	GASKET		5							
_	34	2	129472-18090	GASKET		1							_
	35	2	23414-100000	GASKET, 10X1,0		2							
	36	2	129908-39690	GASKET, TUXT.U		1							
_	37	2	24341-000530	O-RING, 1AS53.0		1							_
	38	1	129400-92450	HONE, FLEX		1							1
	39	1	977770-01212	GASKET, LIQUID		1							1
_	59		311110 - 01212	GAGNET, LIQUID				-					

0CD10-M80300 Fig.19

Remarks (1) OPTIONAL PART. N:Old Ves. New, O:Old Ves. New, R:Old Ves. New, R:Old Ves. New, S:Old No. New, W:Add, Z:Discontinued, F:Interchangeable by set, K:O'ty Change Copyright (C) YANMAR CO., LTD. All RightsReserved.

Parts No. Index

Parts No.	Fig. No.	Ref. No.		Parts No.
105010-39140	11	41		119620-79330
105025-59750	15	7		119620-79340
105582-59150	12	26		119620-79350
106500-44810	11	38		119620-79360
114250-53080	14	5		110020 10000
114250-53120	14	9		119625-11880
114250-53130	14	10		113020-11000
114250-53140	14	11		119640-01640
114250-53210	14	12		119643-66900
114250-53400	14	13		119650-77910
119000-39650	11	36		119802-11870
119005-77050	5	7		110002 11070
119006-03090	4	, 75		119802-55700
119006-42290	12	15		119802-55710
119100-11330	4	58		119802-77200
119117-44760	12	17		119810-77340
119129-77020	5	5		120130-22301
110120-77020	19	30		120147-44800
119131-18320	8	4		120147-44810
119131-77550	16	15		121023-26070
119140-12680	5	19		121252-39150
119160-12530	5	17		121252-39150
119160-12540	5	18		121254-77590
119160-12570	5	15		121450-42450
119255-44660	12	50		121470-13580
119260-34810	10	24		121470-13590
119305-59120	14	27		121750-59890
119593-11301	4	28		121100-0000
119620-01750	3	3		121850-21130
119620-11180	4	18		121850-21190
119620-77380	17	4		121850-21680
119620-77421	17	8		121850-21920
119620-77440	17	13		121850-44830
119620-77461	17	15		121850-44850
119620-77471	17	16		121850-44860
119620-77480	17	20		121850-44870
119620-77490	17	29		121850-44880
119620-79200	17	9		121850-49540
119620-79210	17	10		121000 40040
119620-79220	17	11		121850-49550
119620-79230	17	12		121000 40000
119620-79240	17	5		121850-49800
119620-79250	17	6		121850-77021
119620-79260	17	18		.21000 //021
119620-79270	17	19		121857-44800
119620-79280	17	21		122780-59100
119620-79290	17	22		123900-13630
119620-79300	17	23		123900-25060
119620-79310	17	24		123900-23000
119620-79320	17	25		123900-77400
110020-70020		20	1	120000-77400

Parts No.	Fig. No.	Ref. No.
119620-79330	17	26
119620-79340	17	27
119620-79350	17	28
119620-79360	17	7
119020-79300	17	30
119625-11880	4	61
	19	7
119640-01640	3	9
119643-66900	18	2
119650-77910	18	4
119802-11870	4	60
	19	6
119802-55700	15	21
119802-55710	15	22
119802-77200	18	3
119810-77340	17	33
120130-22301	9	22
120147-44800	12	52
120147-44810	12	60
121023-26070	2	26
121252-39150	11	7
121252-39450	11	6
121254-77590	16	10
121450-42450	12	36
121470-13580	6	7
121470-13590	6	6
121750-59890	10	11
	15	26
121850-21130	9	11
121850-21290	9	5
121850-21680	9	10
121850-21920	9	6
121850-44830	12	55
121850 -44 850	12	57
121850 -4 4860	12	58
121850 -44 870	12	59
121850 -44 880	12	56
121850-49540	12	21
	19	19
121850-49550	12	22
	19	17
121850-49800	12	24
121850-77021	5	6
101057 11000	19	18
121857-44800	12	53
122780-59100	14	26
123900-13630	6	3
123900-25060	7	10
123900-77010	16	1

Parts No.	Fig. No.	Ref. No.
123900-77440	16	5
123900-77450	16	6
120300-71430	10	9
123900-77460	16	
		7
123900-77480	16	8
123900-77510	16	11
123900-77520	16	12
123900-77540	16	14
123900-77610	16	20
123900-77640	16	22
123900-77650	16	23
123900-77710	16	24
123901-03240	4	68
123901-03280	4	79
123901-03280	6	12
123901-16060	_	
100001 00000	19	11
123901-39820	11	39
123907-11280	4	33
123907-11550	4	3
123907-11601	14	25
123907-11820	4	12
123907-11830	4	24
123907-25909	7	17
123907-39500	11	16
123907-55800	15	2
123907-59540	15	13
123907-59550	15	14
120307-03000	19	33
123907-59560	15	18
123910-39850	11	26
123910-39630	10	
		8
123910-49610	10	10
123912-33100	10	2
123951-18220	5	20
124070-13300	11	23
124160-01751	2	25
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124160-11340	4	19
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124160-11360	4	62
124223-39900	11	3
124250-49351	12	37
124411-01780	3	7
124465-44950	12	38
127703-77330	19	21
124722-59050	19	43
124722-09000	12	
	4.5	46
10.1700 50075	15	16
124766-59050	15	5
		9

D	F: N	D (N
Parts No.	Fig. No.	Ref. No.
124950-11340	4	20
	19	12
128300-77920	18	7
129001-91810	2	14
		15
129004-55610	15	1
129005-59830	11	10
		18
129006-44480	10	4
129100-01580	2	5
	.3	_1
129100-55690	15	23
129107-44590	12	48
129115-91250	18	10
129115-91270	18	12
129136-66852	10	27
129137-91160	18	9
129150-02450	7	4
129150-03100	4	80
129150-11230	4	36
100150 11750	4	40
129150-11750	4	23
		37
129150-14200	7	41 1
129150-14200	7 7	14
129150-25920	10	16
129150-33133	12	39
129130-49300	19	2
129150-59131	14	30
129100-09101	14	34
129150-91400	2	33
129211-77920	18	8
129240-79300	17	14
129400-13201	6	13
.20.000.0201	19	28
129400-92450	19	38
129410-03990	4	77
129418-18320	6	4
129423-77200	17	2
129423-77710	17	17
129457-59010	15	4
129466-49300	10	7
129472-18090	8	1
	19	34
129486-59510	15	17
129486-59551	15	15
129550-59120	14	31
129612-52100	15	20
129795-01900	17	32

Parts No. Index

Parts No.	Fig. No.	Ref. No.	
129900-01200	1	31	ı
129900-01250	1	5	ı
129900-01740	2	6	ı
129900-01780	2	4	ı
129900-02020	1	7	ı
129900-02340	1	34	ı
129900-02410	1	10	ı
129900-02930	1	28	ı
129900-02940	1	37	ı
129900-13251	6	2	ı
	19	10	ı
129900-14100	7	7	ı
129900-21200	9	4	ı
129900-21580	9	12	ı
129900-21600	9	15	١
129900-23000	9	24	ĺ
129900-23200	9	29	۱
129900-23600	9	30	۱
129900-23610	9	32	
129900-23910	9	28	۱
129900-25100	7	11	ĺ
129900-26000	7	21	l
129900-26250	2	12	l
129900-32030	2	31	
129900-32030	10	17	l
	19	13	l
129900-32040	2	13	l
123300-02040	19	14	l
129900-35000	10	18	l
129900-33000	12	11	l
123300-12020	19	15	l
129900-42450	12	14	
129900-42430	12	32	l
120000-10070	19	16	l
129900-77330	17	1	l
129900-77591	16	19	
129900-77620	16	21	۱
129907-01190	10	33	l
129907-01130	1	32	ĺ
120001-01001	19	4	l
129907-01950	13	1	۱
129907-01950	13	2	l
129907-03010	4	52	۱
129907-03060	4	53	ĺ
129907-03000	4	54	l
129907-03070	4	1	l
129907-07900	4	27	l
129907-11100	4	16	ı
129907-11110	4	17	ı
129907-11120	4	30	l
129901-11200	4	30	1

Parts No.	Fig. No.	Ref. No.
129907-11260	4	31
129907-11270	4	32
129907-11310	4	57
120007 11241	19 4	8 29
129907-11341 129907-11510	4	29
129907-11650	4	34
129907-11660	4	38
129907-11800	4	11
129907-11910	4	65
129907-11920	4	42
129907-11950	4	48
129907-12110	5	2 9
129907-14400	19 7	2
129907-14400	9	18
129907-39061	11	14
129907-42000	12	1
129907 -4 4570	12	51
129907-49610	12	40
129907-49620	12	44
129907 - 49710 129907 - 49720	12 12	41 45
129907-49730	12	23
129907-49750	12	42
129907-59140	15	12
129907-59720	14	35
129908-03099	4	66
129908-03209	4	67
129908-03219 129908-03229	4 4	69 70
129908-03229	4	70 51
129908-11700	4	4
129908-14581	7	3
129908-21000	9	1
129908-22080	9	16
129908-32060	2	11
129908-33010 129908-33100	10 10	1 3
129908-39410	11	30
129908-39690	11	28
	19	36
129908-53000	14	2
129908-59810	14	37
129908-59820	14	38
129908-59830 129908-59840	14 14	39 40
129906-59640	2	4 -1
129916-21610	9	10 -1
129916-44770	12	18

Parts No.	Fig. No.	Ref. No.
129916-49530 129920-44740	12 12	20 16
129930-39050	11	40
129933-01500 129935-03260	2 4	8 72
129935-03270	4	74
129935-12500 129935-12520	5 5	13 16
129935-13100	6 6	1
129935-13510 129935-18010	8	5 3
129935-18350 129935-39040	5 11	8 1
129935-39610	11	24
129940-44500 129944-12110	12 5	47 1
129944-12620	5	11
129944-49059 129946-49810	10 12	6 19
129950-59221 129951-34801	15 10	10 15
129951-34812	10	14
129953-01710 129953-25300	3 7	8 16
129955-01600	3	2
129957-21650 129957-21651	9 9	9 -1
129957-59120 129960-03990	15 4	6 78
129960-21640	9	8
129980-59510 129981-49050	15 12	11 61
129981-49060 129981-59010	12	62 8
158563-51150	15 7	18
171008-77750 171051-01921	16 1	25 6
171056-49120	10	5
194697-56110 22137-100000	18 6	1 8
22190-080002	11	8 11
		19
		21 42
	15	19
22190-220002	19 3	25 11
22217-100000	19 6	26 9

D . N	N	D. C.N.
Parts No.	Fig. No.	
22217-180000	7	19
22252-000300	9	23
22351-030010	11	37
22351-060012	1	11
22512-070140	7	8
	9	7
22857-500100	4	59
23000-022000	4	76
23000-025000	10	12
22000 054000	11	27
23000-054000	5 12	21
23000-060000 23000-090000	12	64
23387-040800		63 27
23387-040800	12	
23414-000000	12	28 33
	19	33 20
23414-100000	11	9
23414-100000	19	35
23857-030000	11	12
20001-000000	- ''	20
23875-030000	12	29
23876-020000	4	13
23876-030000	1	12
		13
		14
	4	14
24311-000070	2	16
	19	22
24311-000120	4	47
		63
0.0044.0004.55	19	23
24311-000160	15	25
24311-000320	2	30
	4	64
04044 040400	19	24
24311-240100	10	25
24224 000600	19 10	32 13
24321-000600	10	31
24321-000650	15	24
24321-000850	2	27
24021-000000	19	29
24341-000240	2	35
2.5	19	3
24341-000530	9	40
	19	37
24351-030750	2	17
	19	27
26013-080222	5	12

Parts No. Index

Parts No.	Fig. No.	Ref. No.
26014-060122	12	49
26014-080252	17	34
26106-060122	12	30
26106-060162	2	36
	11	29
	14	41
26106-060202	12	31
26106-060302	12	12
26106-080122	3	12
	4	81
	10	23
	11	13
		22
	12	34
26106-080162	2	18
		19
	4	2
	7	9
	10	26
	13	4
26106-080182	14	42
26106-080202	2	20
26106-080222	13	5
		6
26106-080302	15	3
26106-080402	2	21
		22
	4	44
26106-080452	2	23
	5	3
26106-080552	7	15
	12	13
26106-080602	4	45
		46
	12	35
26106-080752	5	9
26106-080802	5	4
26106-080952	5	10
26106-100202	2	28
	13	7
26106-100702	6	10
26116-050102	4	71
26116-120252	16	26
26206-100352	3	5
26206-100702	3	6
26216-100302	2	10
26226-080222	4	43
26306-080002	4	49
	8	2
26306-100002	2	24

Fig. No.	Ref. No.
	Fig. No.

	Parts N	lo.	Fig.	No.	Ref. No	