

0CW10-M03000EN

# PREFACE

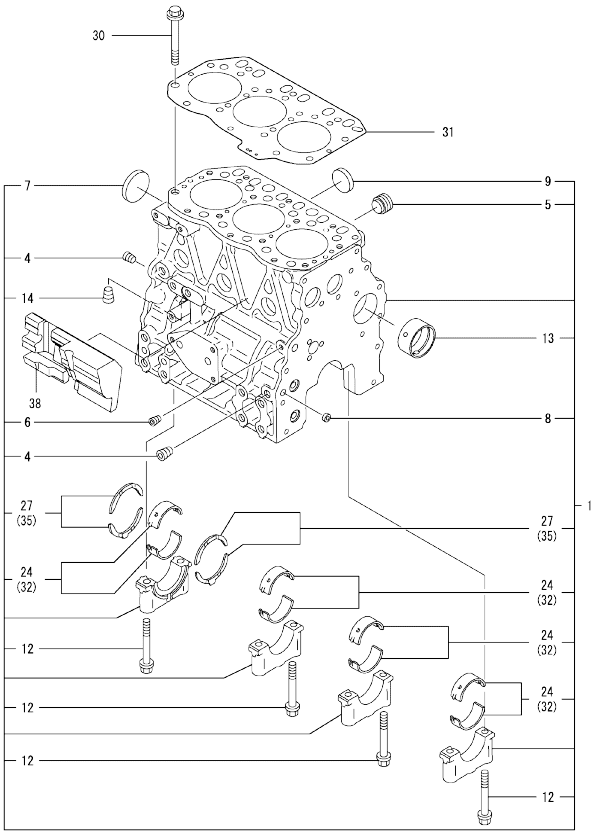
- 1.This Parts Catalog carries all parts incorporated in YANMAR Model 3TNV82A-SNN engine manufactured since May, 2005.
- 2.Each illustration corresponds to the parts list on the following page.
- 3.When ordering parts,clearly write down the engine model and serial number,as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

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0CW10-M03000

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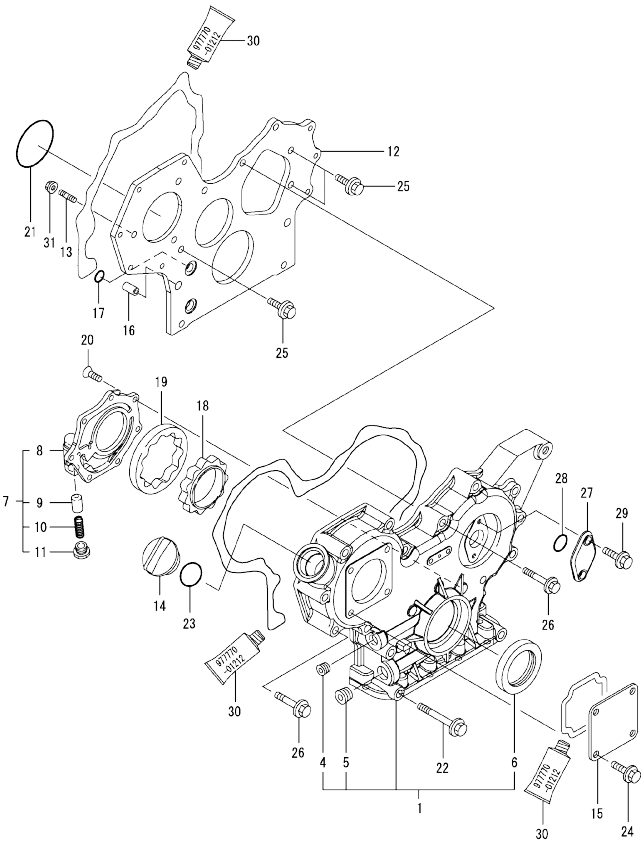
Fig.1. CYLINDER BLOCK



Remarks  
(1)Under-sized(U.S.=0.25) parts.  
(2)Over-sized(O.S.=0.25) parts.  
(3)Repair parts.

| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 719802-01560 | BLOCK ASSY, CYLINDER | 1    |     |     |     |     |     |   |   |
| 4   | 2    | 124160-01910 | PLUG, PT1/4          | 2    |     |     |     |     |     |   |   |
| 5   | 2    | 171051-01921 | PLUG, NPTF1          | 1    |     |     |     |     |     |   |   |
| 6   | 2    | 124060-01050 | PLUG, PT1/8          | 1    |     |     |     |     |     |   |   |
| 7   | 2    | 129001-01250 | PLUG, 50             | 1    |     |     |     |     |     |   |   |
| 8   | 2    | 27241-120000 | PLUG, 12             | 2    |     |     |     |     |     |   |   |
| 9   | 2    | 27241-300000 | PLUG 30              | 6    |     |     |     |     |     |   |   |
| 12  | 2    | 119620-02020 | BOLT, METAL CAP      | 8    |     |     |     |     |     |   |   |
| 13  | 2    | 129795-02411 | BUSH, CAMSHAFT       | 1    |     |     |     |     |     |   |   |
| 14  | 2    | 124160-01910 | PLUG, PT1/4          | 1    |     |     |     |     |     |   |   |
| 24  | 2    | 719810-02980 | BEARING, MAIN        | 4    |     |     |     |     |     |   | 3 |
| 27  | 2    | 119810-02930 | BEARING, THRUST      | 1    |     |     |     |     |     |   |   |
| 30  | 1    | 119810-01200 | BOLT, HEAD           | 14   |     |     |     |     |     |   |   |
| 31  | 1    | 119812-01330 | GASKET, HEAD         | 1    |     |     |     |     |     |   |   |
| 32  | 1    | 119810-02870 | BEARING, 0.25 US     | 4    |     |     |     |     |     |   | 1 |
| 35  | 1    | 119810-02940 | BEARING, THRUST 0.25 | 2    |     |     |     |     |     |   | 2 |
| 38  | 1    | 119802-01190 | SPACER               | 1    |     |     |     |     |     |   |   |

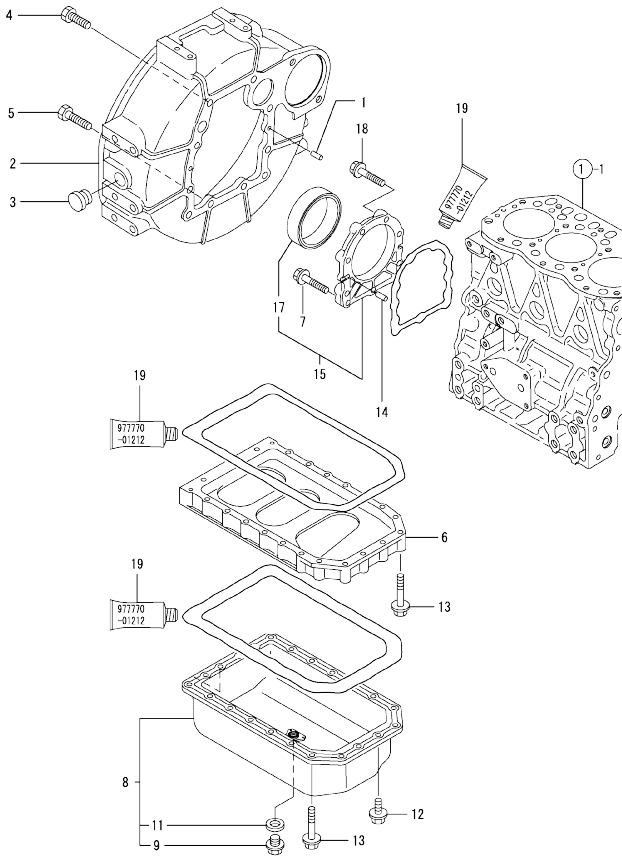
Fig.2. GEAR HOUSING



Remarks  
(1)Optional parts.

| No. | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 729233-01500 | CASE ASSY, GEAR     | 1    |     |     |     |     |     |   |   |
| 4   | 2    | 23876-030000 | PLUG, R03           | 1    |     |     |     |     |     |   |   |
| 5   | 2    | 23876-040000 | PLUG, R04           | 1    |     |     |     |     |     |   |   |
| 6   | 2    | 119934-01800 | SEAL, OIL           | 1    |     |     |     |     |     |   |   |
| 7   | 1    | 119802-32100 | COVER ASSY          | 1    |     |     |     |     |     |   |   |
| 8   | 2    | 119802-32070 | COVER               | 1    |     |     |     |     |     |   |   |
| 9   | 2    | 129900-32130 | VALVE, RELIEF       | 1    |     |     |     |     |     |   |   |
| 10  | 2    | 129418-32320 | SPRING              | 1    |     |     |     |     |     |   |   |
| 11  | 2    | 129001-32330 | PLUG                | 1    |     |     |     |     |     |   |   |
| 12  | 1    | 119802-01520 | FLANGE, GEAR CASE   | 1    |     |     |     |     |     |   |   |
| 13  | 1    | 119802-01560 | STUD, M8X25         | 3    |     |     |     |     |     |   |   |
| 14  | 1    | 124160-01751 | COVER, FILLER       | 1    |     |     |     |     |     |   |   |
| 15  | 1    | 124240-01871 | COVER               | 1    |     |     |     |     |     |   |   |
| 16  | 1    | 129795-01950 | PIPE, KNOCK L=18    | 2    |     |     |     |     |     |   |   |
| 17  | 1    | 119609-32040 | O-RING, P16         | 4    |     |     |     |     |     |   |   |
| 18  | 1    | 119802-32111 | ROTOR, INNER        | 1    |     |     |     |     |     |   |   |
| 19  | 1    | 119802-32120 | ROTOR, OUTER        | 1    |     |     |     |     |     |   |   |
| 20  | 1    | 119802-32130 | SCREW, M6X16        | 7    |     |     |     |     |     |   |   |
| 21  | 1    | 121850-51960 | O-RING              | 1    |     |     |     |     |     |   |   |
| 22  | 1    | 129001-91841 | BOLT, M8X85         | 3    |     |     |     |     |     |   |   |
| 23  | 1    | 24311-000320 | O-RING, 1AP32.0     | 1    |     |     |     |     |     |   |   |
| 24  | 1    | 26106-080162 | BOLT, M8X 16 PLATED | 4    |     |     |     |     |     |   |   |
| 25  | 1    | 26106-080162 | BOLT, M8X 16 PLATED | 3    |     |     |     |     |     |   |   |
| 26  | 1    | 26106-080552 | BOLT, M8X 55 PLATED | 12   |     |     |     |     |     |   |   |
| 27  | 1    | 121023-01550 | COVER               | 1    |     |     |     |     |     |   |   |
| 28  | 1    | 24341-000240 | O-RING, 1AS24.0     | 1    |     |     |     |     |     |   |   |
| 29  | 1    | 26106-060162 | BOLT, M6X 16 PLATED | 2    |     |     |     |     |     |   |   |
| 30  | 1    | 977770-01212 | GASKET, LIQUID      | 1    |     |     |     |     |     |   | 1 |
| 31  | 1    | 26306-080002 | NUT, M8             | 3    |     |     |     |     |     |   |   |

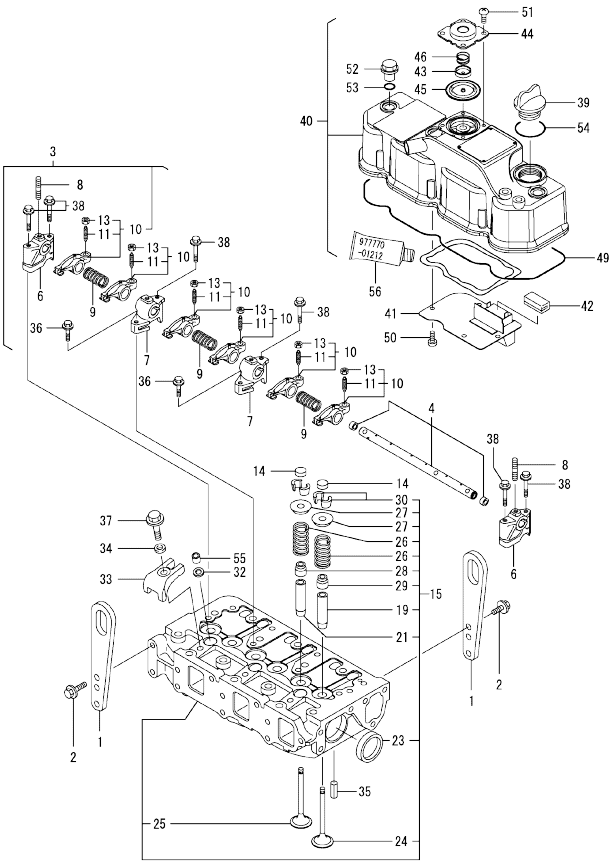
Fig.3. FLYWHEEL HOUSING & OIL SUMP



Remarks  
(1)Optional parts.

| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 129100-01580 | PIN, M8X16           | 2    |     |     |     |     |     |   |   |
| 2   | 1    | 129612-01600 | HOUSING, FLYWHEEL    | 1    |     |     |     |     |     |   |   |
| 3   | 1    | 119620-01750 | CAP                  | 1    |     |     |     |     |     |   |   |
| 4   | 1    | 26206-100252 | BOLT, M10X 25 PLATED | 6    |     |     |     |     |     |   |   |
| 5   | 1    | 26206-100302 | BOLT, M10X 30 PLATED | 4    |     |     |     |     |     |   |   |
| 6   | 1    | 119810-01730 | SPACER, OIL SUMP     | 1    |     |     |     |     |     |   |   |
| 7   | 1    | 26106-080352 | BOLT, M8X 35 PLATED  | 3    |     |     |     |     |     |   |   |
| 8   | 1    | 119823-01770 | SUMP ASSY, OIL       | 1    |     |     |     |     |     |   |   |
| 9   | 2    | 119640-01640 | PLUG, DRAIN M22      | 1    |     |     |     |     |     |   |   |
| 11  | 2    | 22190-220002 | WASHER, SEAL 22      | 1    |     |     |     |     |     |   |   |
| 12  | 1    | 26106-080162 | BOLT, M8X 16 PLATED  | 6    |     |     |     |     |     |   |   |
| 13  | 1    | 26106-080452 | BOLT, M8X 45 PLATED  | 22   |     |     |     |     |     |   |   |
| 14  | 1    | 129100-01580 | PIN, M8X16           | 2    |     |     |     |     |     |   |   |
| 15  | 1    | 129100-01640 | CASE ASSY, OIL SEAL  | 1    |     |     |     |     |     |   |   |
| 17  | 2    | 129795-01780 | SEAL, OIL            | 1    |     |     |     |     |     |   |   |
| 18  | 1    | 129486-01670 | BOLT, M8X30          | 6    |     |     |     |     |     |   |   |
| 19  | 1    | 977770-01212 | GASKET, LIQUID       | 1    |     |     |     |     |     |   | 1 |

Fig.4. CYLINDER HEAD & BONNET



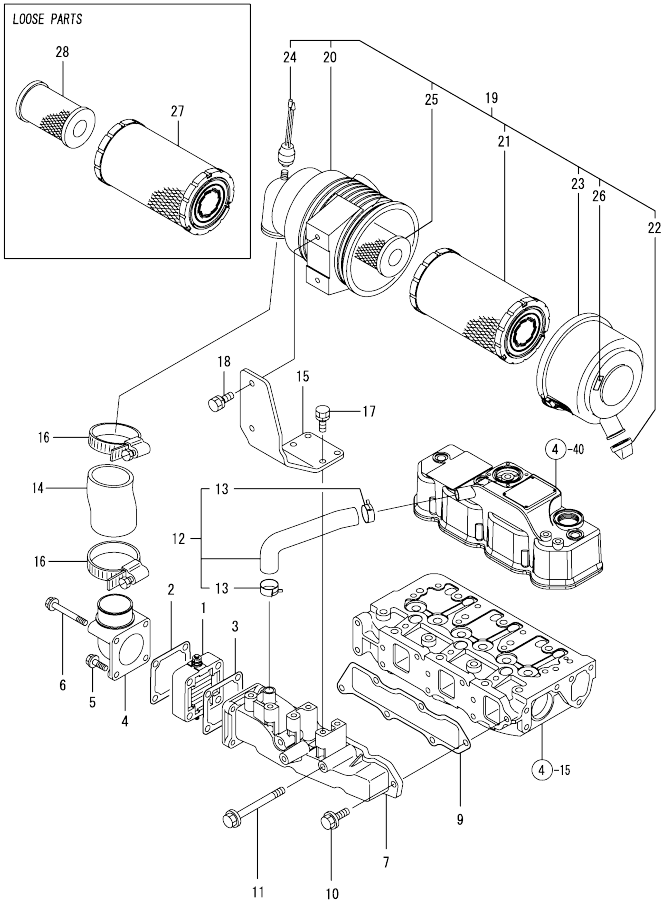
Remarks  
(1)Repair parts.  
(2)Optional parts.

(A)=3TNV82A-SNN  
(B)=  
(C)=

(D)=  
(E)=  
(F)=

| No.  | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R |
|------|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|---|
|      |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1    | 1    | 129900-07900 | LIFTER              | 2    |     |     |     |     |     |   |   |
| 2    | 1    | 26106-080162 | BOLT, M8X 16 PLATED | 4    |     |     |     |     |     |   |   |
| 3    | 1    | 119802-11241 | SHAFT ASSY, ROCKER  | 1    |     |     |     |     |     |   |   |
| 4    | 2    | 119802-11251 | SHAFT, ROCKER ARM   | 1    |     |     |     |     |     |   |   |
| 6    | 2    | 119802-11260 | SUPPORT, ROCKER ARM | 2    |     |     |     |     |     |   |   |
| 7    | 2    | 119802-11270 | SUPPORT, ROCKER ARM | 2    |     |     |     |     |     |   |   |
| 8    | 2    | 119802-11280 | STUD                | 3    |     |     |     |     |     |   |   |
| 9    | 2    | 129150-11280 | SPRING              | 3    |     |     |     |     |     |   |   |
| 10   | 2    | 119802-11650 | ARM, ROCKER         | 6    |     |     |     |     |     |   |   |
| 11   | 3    | 129150-11230 | SCREW, VALVE ADJUST | 6    |     |     |     |     |     |   |   |
| 13   | 3    | 129150-11750 | NUT, M8             | 6    |     |     |     |     |     |   |   |
| 14   | 1    | 104211-11370 | CAP, VALVE          | 6    |     |     |     |     |     |   |   |
| 15   | 1    | 119802-11700 | HEAD ASSY, CYLINDER | 1    |     |     |     |     |     |   |   |
| 15-1 | 1    | 119802-11730 | HEAD ASSY, CYLINDER | 1    |     |     |     |     |     | N |   |
| 19   | 2    | 124060-11800 | GUIDE, VALVE        | 3    |     |     |     |     |     |   | 1 |
| 21   | 2    | 119802-11810 | GUIDE, VALVE        | 3    |     |     |     |     |     |   | 1 |
| 23   | 2    | 27241-400000 | PLUG, 40            | 2    |     |     |     |     |     |   |   |
| 24   | 2    | 119802-11100 | VALVE, INTAKE       | 3    |     |     |     |     |     |   |   |
| 25   | 2    | 119802-11110 | VALVE, EXHAUST      | 3    |     |     |     |     |     |   |   |
| 26   | 2    | 119810-11120 | SPRING, VALVE       | 6    |     |     |     |     |     |   |   |
| 27   | 2    | 104211-11180 | RETAINER, SPRING    | 6    |     |     |     |     |     |   |   |
| 28   | 2    | 124160-11340 | SEAL, VALVE STEM    | 3    |     |     |     |     |     |   |   |
| 29   | 2    | 124950-11340 | SEAL, VALVE STEM    | 3    |     |     |     |     |     |   |   |
| 30   | 2    | 27310-070001 | COTTER, 7           | 6    |     |     |     |     |     |   |   |
| 32   | 1    | 119625-11880 | SEAT, NOZZLE        | 3    |     |     |     |     |     |   |   |
| 33   | 1    | 119802-11900 | RETAINER, NOZZLE    | 3    |     |     |     |     |     |   |   |
| 34   | 1    | 120270-54410 | WASHER, INJECTOR    | 3    |     |     |     |     |     |   |   |
| 35   | 1    | 22351-060012 | PIN, SPRING 6.0X12  | 2    |     |     |     |     |     |   |   |
| 36   | 1    | 26106-080252 | BOLT, M8X 25 PLATED | 2    |     |     |     |     |     |   |   |
| 37   | 1    | 26106-080452 | BOLT, M8X 45 PLATED | 3    |     |     |     |     |     |   |   |
| 38   | 1    | 26106-080502 | BOLT, M8X 50 PLATED | 6    |     |     |     |     |     |   |   |
| 39   | 1    | 124160-01751 | COVER, FILLER       | 1    |     |     |     |     |     |   |   |
| 40   | 1    | 119802-11350 | BONNET ASSY, HEAD   | 1    |     |     |     |     |     |   |   |
| 41   | 2    | 119802-03010 | PLATE               | 1    |     |     |     |     |     |   |   |
| 42   | 2    | 129150-03070 | BAFFLE, BREATHER    | 1    |     |     |     |     |     |   |   |
| 43   | 2    | 119802-03110 | PLATE               | 1    |     |     |     |     |     |   |   |
| 44   | 2    | 119802-03121 | COVER, DIAPHRAGM    | 1    |     |     |     |     |     |   |   |
| 45   | 2    | 119802-03130 | DIAPHRAGM           | 1    |     |     |     |     |     |   |   |
| 46   | 2    | 119802-03141 | SPRING, DIAPHRAGM   | 1    |     |     |     |     |     |   |   |
| 49   | 2    | 119802-11310 | GASKET, BONNET      | 1    |     |     |     |     |     |   |   |
| 50   | 2    | 22857-500100 | SCREW, 5X10         | 4    |     |     |     |     |     |   |   |
| 51   | 2    | 22857-500100 | SCREW, 5X10         | 4    |     |     |     |     |     |   |   |
| 52   | 1    | 124160-11360 | KNOB                | 3    |     |     |     |     |     |   |   |
| 53   | 1    | 24311-000120 | O-RING, 1AP12.0     | 3    |     |     |     |     |     |   |   |
| 54   | 1    | 24311-000320 | O-RING, 1AP32.0     | 1    |     |     |     |     |     |   |   |
| 55   | 1    | 119802-11870 | PROTECTOR, NOZZLE   | 3    |     |     |     |     |     |   |   |
| 56   | 1    | 977770-01212 | GASKET, LIQUID      | 1    |     |     |     |     |     |   | 2 |

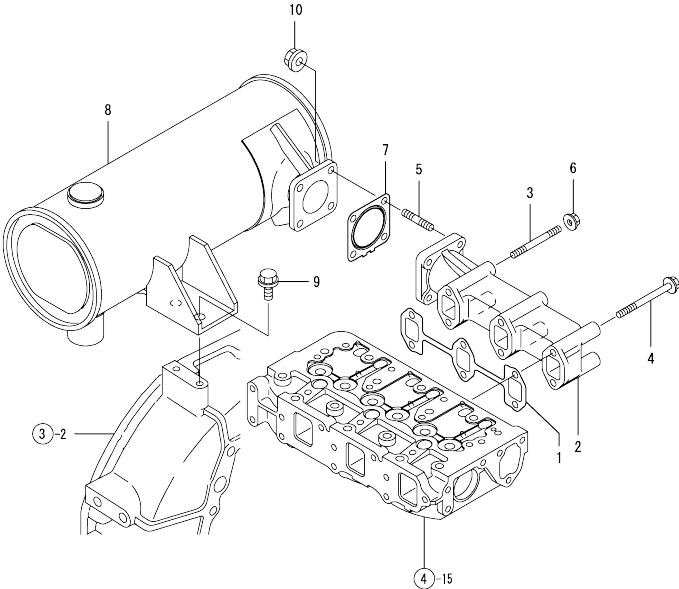
Fig.5. SUCTION MANIFOLD & AIR CLEANER



| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 129100-77500 | HEATER, AIR 12V      | 1    |     |     |     |     |     |   |   |
| 2   | 1    | 129100-77510 | GASKET               | 1    |     |     |     |     |     |   |   |
| 3   | 1    | 129150-77511 | GASKET               | 1    |     |     |     |     |     |   |   |
| 4   | 1    | 171340-77520 | BEND                 | 1    |     |     |     |     |     |   |   |
| 5   | 1    | 26106-080402 | BOLT, M8X 40 PLATED  | 2    |     |     |     |     |     |   |   |
| 6   | 1    | 26106-080802 | BOLT, M8X 80 PLATED  | 2    |     |     |     |     |     |   |   |
| 7   | 1    | 119802-12100 | MANIFOLD, AIR INTAKE | 1    |     |     |     |     |     |   |   |
| 9   | 1    | 119813-12110 | GASKET, MANIFOLD     | 1    |     |     |     |     |     |   |   |
| 10  | 1    | 26106-080202 | BOLT, M8X 20 PLATED  | 4    |     |     |     |     |     |   |   |
| 11  | 1    | 26106-080802 | BOLT, M8X 80 PLATED  | 2    |     |     |     |     |     |   |   |
| 12  | 1    | 119802-03080 | PIPE , BREATHER      | 1    |     |     |     |     |     |   |   |
| 13  | 2    | 129410-03990 | CLIP                 | 2    |     |     |     |     |     |   |   |
| 14  | 1    | 119910-12210 | PIPE, AIR INTAKE     | 1    |     |     |     |     |     |   |   |
| 15  | 1    | 119802-12560 | BRACKET, AIR CLEANER | 1    |     |     |     |     |     |   |   |
| 16  | 1    | 23000-060000 | CLAMP, 60            | 2    |     |     |     |     |     |   |   |
| 17  | 1    | 26013-080222 | BOLT, M8X 22         | 4    |     |     |     |     |     |   |   |
| 18  | 1    | 26013-080222 | BOLT, M8X 22         | 2    |     |     |     |     |     |   |   |
| 19  | 1    | 119910-12610 | CLEANER ASSY, AIR    | 1    |     |     |     |     |     |   |   |
| 20  | 2    | 119910-12510 | BODY, AIR CLEANER    | 1    |     |     |     |     |     |   |   |
| 21  | 2    | 119808-12520 | ELEMENT              | 1    |     |     |     |     |     |   |   |
| 22  | 2    | 119808-12540 | VALVE, UNLOADER      | 1    |     |     |     |     |     |   |   |
| 23  | 2    | 119866-12541 | COVER ASSY           | 1    |     |     |     |     |     |   |   |
| 24  | 2    | 119140-12680 | INDICATOR            | 1    |     |     |     |     |     |   |   |
| 25  | 2    | 129051-12530 | ELEMENT              | 1    |     |     |     |     |     |   |   |
| 26  | 2    | 129612-12650 | LABEL, MARKING       | 1    |     |     |     |     |     |   |   |
| 27  | 1    | 119808-12520 | ELEMENT              | 1    |     |     |     |     |     |   |   |
| 28  | 1    | 129051-12530 | ELEMENT              | 1    |     |     |     |     |     |   |   |



Fig.6. EXHAUST MANIFOLD & SILENCER

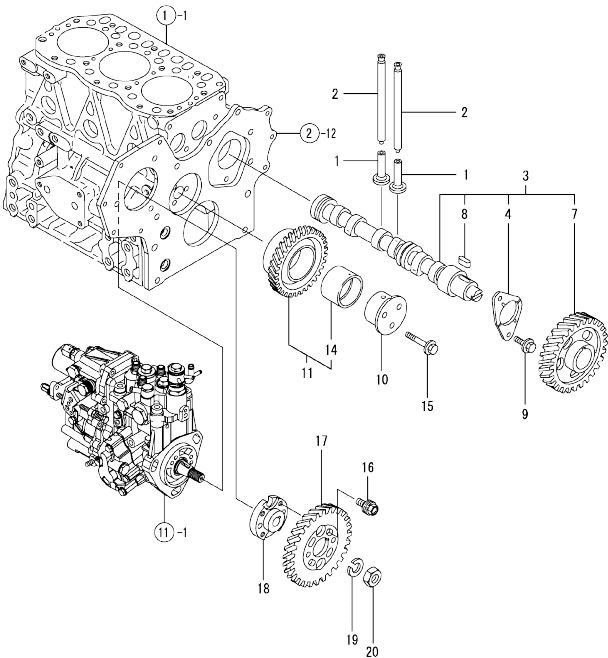


(A)=3TNV82A-SNN  
(B)=  
(C)=

(D)=  
(E)=  
(F)=

| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 119810-13110 | GASKET               | 1    |     |     |     |     |     |   |   |
| 2   | 1    | 119802-13129 | MANIFOLD, EXHAUST    | 1    |     |     |     |     |     |   |   |
| 3   | 1    | 123900-13610 | STUD, M8X80          | 2    |     |     |     |     |     |   |   |
| 4   | 1    | 123900-13630 | BOLT, M8X80          | 4    |     |     |     |     |     |   |   |
| 5   | 1    | 119131-18320 | STUD, M8X22          | 4    |     |     |     |     |     |   |   |
| 6   | 1    | 26306-080002 | NUT, M8              | 2    |     |     |     |     |     |   |   |
| 7   | 1    | 129004-13200 | GASKET, SILENCER     | 1    |     |     |     |     |     |   |   |
| 8   | 1    | 129240-13550 | SILENCER             | 1    |     |     |     |     |     |   |   |
| 9   | 1    | 26106-100202 | BOLT, M10X 20 PLATED | 2    |     |     |     |     |     |   |   |
| 10  | 1    | 26306-080002 | NUT, M8              | 4    |     |     |     |     |     |   |   |

Fig.7. CAMSHAFT & DRIVING GEAR

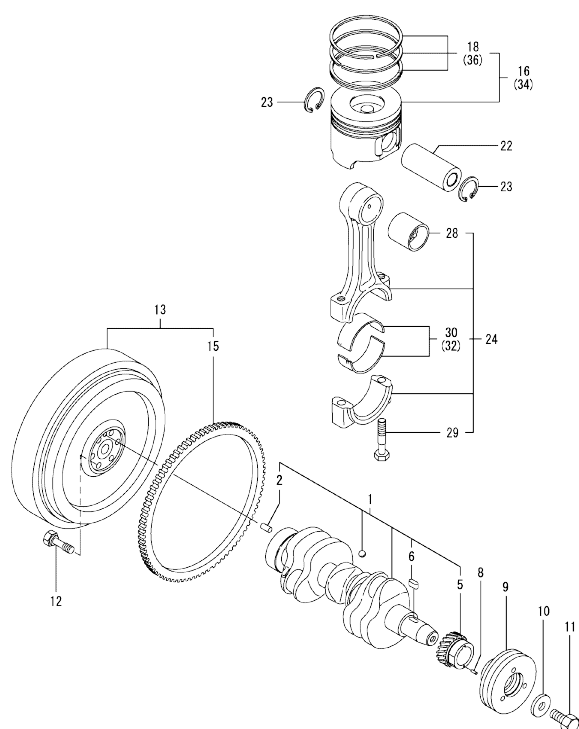


(A)=3TNV82A-SNN  
(B)=  
(C)=

(D)=  
(E)=  
(F)=

| No. | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 129150-14200 | TAPPET              | 6    |     |     |     |     |     |   |   |
| 2   | 1    | 119810-14400 | ROD, PUSH           | 6    |     |     |     |     |     |   |   |
| 3   | 1    | 119802-14580 | CAMSHAFT ASSY       | 1    |     |     |     |     |     |   |   |
| 4   | 2    | 129150-02450 | BEARING, THRUST     | 1    |     |     |     |     |     |   |   |
| 7   | 2    | 129150-14101 | GEAR, CAMSHAFT      | 1    |     |     |     |     |     |   |   |
| 8   | 2    | 22512-070140 | KEY, 7X 14          | 1    |     |     |     |     |     |   |   |
| 9   | 1    | 26106-080142 | BOLT, M8X 14 PLATED | 2    |     |     |     |     |     |   |   |
| 10  | 1    | 119802-25051 | SHAFT, IDLE         | 1    |     |     |     |     |     |   |   |
| 11  | 1    | 119802-25100 | GEAR ASSY, IDLE     | 1    |     |     |     |     |     |   |   |
| 14  | 2    | 119802-25070 | BUSH, IDLE GEAR     | 1    |     |     |     |     |     |   | 1 |
| 15  | 1    | 26106-080402 | BOLT, M8X 40 PLATED | 3    |     |     |     |     |     |   |   |
| 16  | 1    | 129150-25301 | BOLT                | 4    |     |     |     |     |     |   |   |
| 17  | 1    | 119802-25901 | GEAR, PUMP          | 1    |     |     |     |     |     |   |   |
| 18  | 1    | 158552-51151 | FLANGE              | 1    |     |     |     |     |     |   |   |
| 19  | 1    | 22217-140000 | WASHER, SPRING 14   | 1    |     |     |     |     |     |   |   |
| 20  | 1    | 26776-140002 | NUT, LOCK M14       | 1    |     |     |     |     |     |   |   |

Remarks  
(1)Repair parts.



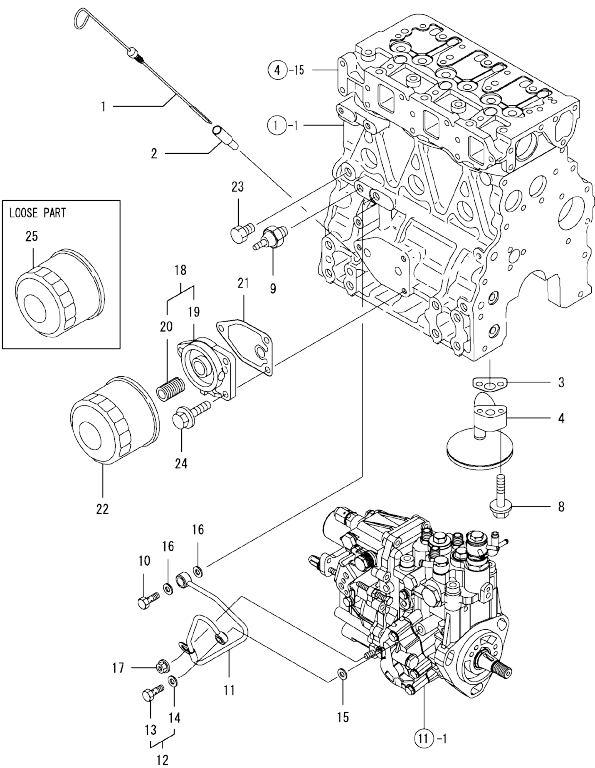
Remarks  
(1)Repair parts.  
(2)Under-sized(U.S.=0.25) parts.  
(3)Over-sized(O.S.=0.25) parts.

(D)=  
(E)=  
(F)=

(A)=3TNV82A-SNN  
(B)=  
(C)=

| No. | Lev. | Parts No.    | Description          | (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|-----|------|--------------|----------------------|-----|-----|-----|-----|-----|-----|---|---|
| 1   | 1    | 119802-21002 | CRANKSHAFT ASSY      | 1   |     |     |     |     |     |   |   |
| 2   | 2    | 129100-01580 | PIN, M8X16           | 1   |     |     |     |     |     |   |   |
| 5   | 2    | 119802-21202 | GEAR, CRANKSHAFT     | 1   |     |     |     |     |     |   |   |
| 6   | 2    | 22512-070140 | KEY, 7X 14           | 1   |     |     |     |     |     |   |   |
| 8   | 1    | 22351-030010 | PIN, SPRING 3.0X10   | 1   |     |     |     |     |     |   |   |
| 9   | 1    | 119802-21650 | V-PULLEY, 110        | 1   |     |     |     |     |     |   |   |
| 10  | 1    | 129795-21661 | WASHER               | 1   |     |     |     |     |     |   |   |
| 11  | 1    | 121850-21680 | BOLT                 | 1   |     |     |     |     |     |   |   |
| 12  | 1    | 121111-21501 | BOLT, FLYWHEEL       | 6   |     |     |     |     |     |   |   |
| 13  | 1    | 129489-21590 | FLYWHEEL ASSY        | 1   |     |     |     |     |     |   |   |
| 15  | 2    | 119865-21600 | GEAR, RING           | 1   |     |     |     |     |     |   |   |
| 16  | 1    | 119802-22080 | PISTON ASSY          | 3   |     |     |     |     |     |   |   |
| 18  | 2    | 119802-22500 | RING SET, PISTON     | 3   |     |     |     |     |     |   |   |
| 22  | 1    | 119813-22300 | PIN, PISTON          | 3   |     |     |     |     |     |   |   |
| 23  | 1    | 129792-22400 | CIRCLIP, 23          | 6   |     |     |     |     |     |   |   |
| 24  | 1    | 719810-23100 | ROD ASSY, CONNECTING | 3   |     |     |     |     |     |   |   |
| 28  | 2    | 719810-23910 | BEARING, PISTON PIN  | 3   |     |     |     |     |     |   | 1 |
| 29  | 2    | 719810-23200 | BOLT, CONNECTING ROD | 6   |     |     |     |     |     |   |   |
| 30  | 2    | 719810-23600 | BEARING, CRANK PIN   | 3   |     |     |     |     |     |   |   |
| 32  | 1    | 719810-23610 | BEARING, 0.25 US     | 3   |     |     |     |     |     |   | 2 |
| 34  | 1    | 719802-22900 | PISTON ASSY, 0.25 OS | 3   |     |     |     |     |     |   | 3 |
| 36  | 2    | 719802-22950 | RING SET, 0.25 OS    | 3   |     |     |     |     |     |   |   |

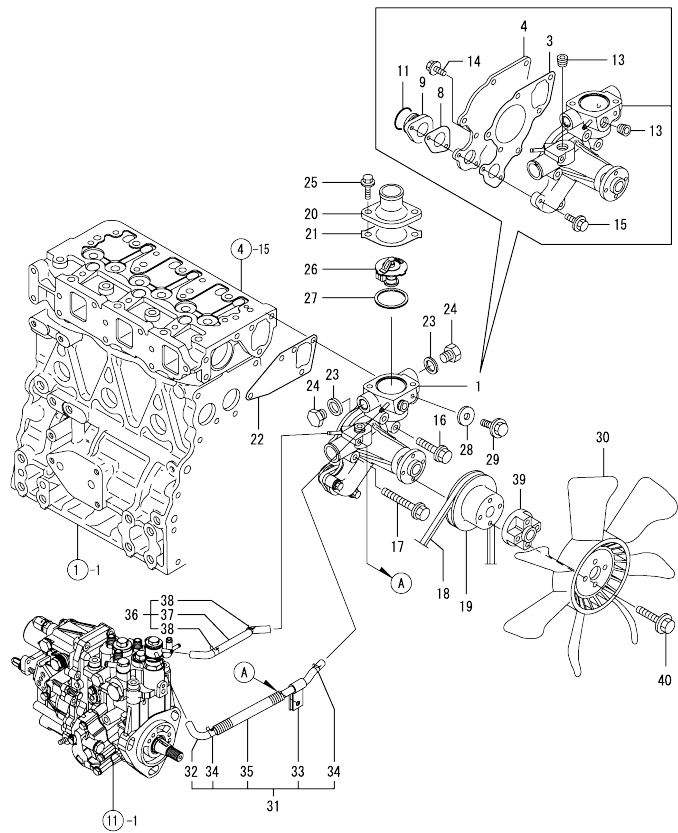
Fig.9. LUB. OIL SYSTEM



Remarks  
(1)Repair parts.

| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 119802-34802 | DIPSTICK, OIL        | 1    |     |     |     |     |     |   |   |
| 2   | 1    | 121520-34810 | GUIDE, DIPSTICK      | 1    |     |     |     |     |     |   |   |
| 3   | 1    | 129150-35042 | GASKET               | 1    |     |     |     |     |     |   |   |
| 4   | 1    | 119810-35300 | PIPE ASSY, OIL INLET | 1    |     |     |     |     |     |   |   |
| 8   | 1    | 26106-080352 | BOLT, M8X 35 PLATED  | 2    |     |     |     |     |     |   |   |
| 9   | 1    | 114250-39450 | SWITCH, 0.5KG        | 1    |     |     |     |     |     |   |   |
| 10  | 1    | 124160-39140 | BOLT, PIPE JOINT M10 | 1    |     |     |     |     |     |   |   |
| 11  | 1    | 119802-39450 | PIPE ASSY, OIL       | 1    |     |     |     |     |     |   |   |
| 12  | 1    | 129005-59830 | BOLT ASSY, JOINT M8  | 1    |     |     |     |     |     |   |   |
| 13  | 2    | 23857-030000 | BOLT, JOINT 3        | 1    |     |     |     |     |     |   |   |
| 14  | 2    | 22190-080002 | WASHER, SEAL 6       | 1    |     |     |     |     |     |   |   |
| 15  | 1    | 22190-080002 | WASHER, SEAL 6       | 1    |     |     |     |     |     |   |   |
| 16  | 1    | 22190-100002 | WASHER, SEAL 10      | 2    |     |     |     |     |     |   |   |
| 17  | 1    | 26366-060002 | NUT, M6              | 1    |     |     |     |     |     |   |   |
| 18  | 1    | 119802-35100 | BRACKET ASSY, FILTER | 1    |     |     |     |     |     |   |   |
| 19  | 2    | 119802-35110 | BRACKET, FILTER      | 1    |     |     |     |     |     |   |   |
| 20  | 2    | 129100-35140 | STUD                 | 1    |     |     |     |     |     |   |   |
| 21  | 1    | 129150-35111 | GASKET               | 1    |     |     |     |     |     |   |   |
| 22  | 1    | 119005-35151 | FILTER, D80X100L     | 1    |     |     |     |     |     |   | 1 |
| 23  | 1    | 171056-49120 | PLUG, DRAIN          | 1    |     |     |     |     |     |   |   |
| 24  | 1    | 26106-080202 | BOLT, M8X 20 PLATED  | 3    |     |     |     |     |     |   |   |
| 25  | 1    | 119005-35151 | FILTER, D80X100L     | 1    |     |     |     |     |     |   | 1 |

Fig.10. COOLING WATER SYSTEM

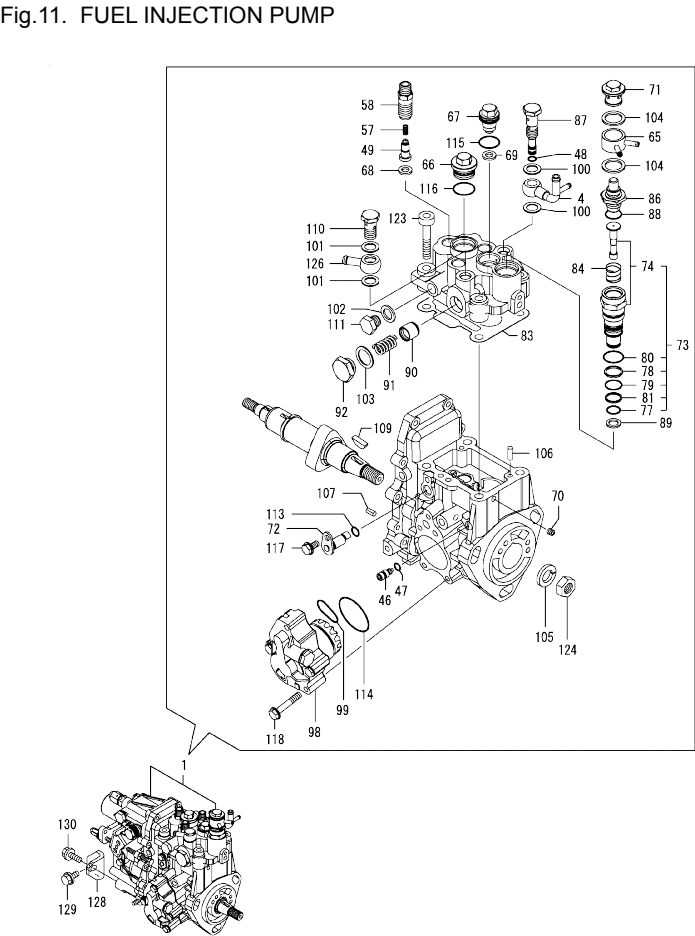


(A)=3TNV82A-SNN  
(B)=  
(C)=

(D)=  
(E)=  
(F)=

| No. | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 119802-42000 | PUMP ASSY, WATER    | 1    |     |     |     |     |     |   |   |
| 3   | 2    | 119810-42051 | GASKET, WATER PUMP  | 1    |     |     |     |     |     |   |   |
| 4   | 2    | 119810-42120 | PLATE               | 1    |     |     |     |     |     |   |   |
| 8   | 2    | 119810-42281 | GASKET, WATER PUMP  | 1    |     |     |     |     |     |   |   |
| 9   | 2    | 119810-42290 | PIPE                | 1    |     |     |     |     |     |   |   |
| 11  | 2    | 129054-42320 | O-RING              | 1    |     |     |     |     |     |   |   |
| 13  | 2    | 23876-030000 | PLUG, R03           | 2    |     |     |     |     |     |   |   |
| 14  | 2    | 26106-060142 | BOLT, M6X 14 PLATED | 2    |     |     |     |     |     |   |   |
| 15  | 2    | 26106-060202 | BOLT, M6X 20 PLATED | 2    |     |     |     |     |     |   |   |
| 16  | 1    | 26106-080352 | BOLT, M8X 35 PLATED | 1    |     |     |     |     |     |   |   |
| 17  | 1    | 26106-080552 | BOLT, M8X 55 PLATED | 3    |     |     |     |     |     |   |   |
| 18  | 1    | 129211-42290 | V-BELT, A38.5       | 1    |     |     |     |     |     |   |   |
| 19  | 1    | 129155-42350 | V-PULLEY            | 1    |     |     |     |     |     |   |   |
| 20  | 1    | 129350-49530 | COVER, THERMOSTAT   | 1    |     |     |     |     |     |   |   |
| 21  | 1    | 129795-49551 | GASKET              | 1    |     |     |     |     |     |   |   |
| 22  | 1    | 129486-42050 | GASKET, WATER PUMP  | 1    |     |     |     |     |     |   |   |
| 23  | 1    | 124465-44950 | GASKET, 16          | 2    |     |     |     |     |     |   |   |
| 24  | 1    | 121450-42450 | PLUG, M16           | 2    |     |     |     |     |     |   |   |
| 25  | 1    | 26106-080222 | BOLT, M8X 22 PLATED | 2    |     |     |     |     |     |   |   |
| 26  | 1    | 129155-49801 | THERMOSTAT, 71      | 1    |     |     |     |     |     |   |   |
| 27  | 1    | 129150-49811 | GASKET, THERMOSTAT  | 1    |     |     |     |     |     |   |   |
| 28  | 1    | 23414-080000 | GASKET, 8X1.0       | 1    |     |     |     |     |     |   |   |
| 29  | 1    | 26106-080122 | BOLT, M8X 12 PLATED | 1    |     |     |     |     |     |   |   |
| 30  | 1    | 121267-44741 | FAN, COOLING D=360  | 1    |     |     |     |     |     |   |   |
| 31  | 1    | 119802-49610 | PIPE ASSY, WATER    | 1    |     |     |     |     |     |   |   |
| 32  | 2    | 119802-49711 | PIPE ASSY, WATER    | 1    |     |     |     |     |     |   |   |
| 33  | 2    | 119802-49730 | RETAINER, PIPE      | 1    |     |     |     |     |     |   |   |
| 34  | 2    | 124722-59050 | CLIP, HOSE 9        | 2    |     |     |     |     |     |   |   |
| 35  | 2    | 119802-59320 | TUBE, CORRUGATED    | 1    |     |     |     |     |     |   |   |
| 36  | 1    | 119802-49620 | PIPE ASSY, WATER    | 1    |     |     |     |     |     |   |   |
| 37  | 2    | 119802-49721 | PIPE ASSY, WATER    | 1    |     |     |     |     |     |   |   |
| 38  | 2    | 124722-59050 | CLIP, HOSE 9        | 2    |     |     |     |     |     |   |   |
| 39  | 1    | 171353-44760 | SPACER, FAN         | 1    |     |     |     |     |     |   |   |
| 40  | 1    | 26106-060402 | BOLT, M6X 40 PLATED | 4    |     |     |     |     |     |   |   |

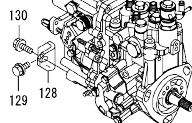
Fig.11. FUEL INJECTION PUMP



Remarks  
(1)Governor(Fig.12) is incorporated in this Fuel Injection Pump(No.1).

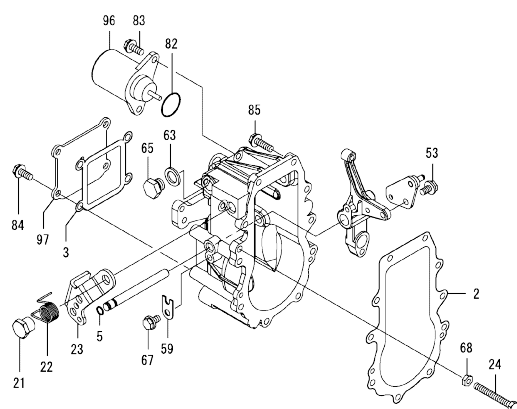
| No.          | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|--------------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|              |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1            | 1    | 719940-51370 | PUMP ASSY, INJECTION | 1    |     |     |     |     |     |   | 1 |
| 4            | 2    | 158552-51670 | JOINT, OVER FLOW     | 1    |     |     |     |     |     |   |   |
| 46           | 2    | 158600-51270 | STOPPER, TAPPET      | 1    |     |     |     |     |     |   |   |
| 47           | 2    | 158563-51281 | O-RING, 4D S6        | 1    |     |     |     |     |     |   |   |
| 48           | 2    | 158563-51281 | O-RING, 4D S6        | 1    |     |     |     |     |     |   |   |
| 49           | 2    | 158560-51300 | VALVE ASSY, DELIVERY | 3    |     |     |     |     |     |   |   |
| 57           | 2    | 158563-51330 | SPRING, DELIVERY     | 3    |     |     |     |     |     |   |   |
| 58           | 2    | 158601-51340 | HOLDER, DELIVERY     | 3    |     |     |     |     |     |   |   |
| 65           | 2    | 158553-51551 | JOINT                | 1    |     |     |     |     |     |   |   |
| 66           | 2    | 158601-51550 | PLUG                 | 1    |     |     |     |     |     |   |   |
| 67           | 2    | 119802-51560 | PLUG, BARREL         | 1    |     |     |     |     |     |   |   |
| 68           | 2    | 158552-51570 | GASKET               | 3    |     |     |     |     |     |   |   |
| 69           | 2    | 158552-51570 | GASKET               | 1    |     |     |     |     |     |   |   |
| 70           | 2    | 158557-51570 | PLUG                 | 1    |     |     |     |     |     |   |   |
| 71           | 2    | 158601-51570 | PLUG                 | 1    |     |     |     |     |     |   |   |
| 72           | 2    | 158552-51580 | LIFTER               | 1    |     |     |     |     |     |   |   |
| 73           | 2    | 119802-51590 | TIMER SET            | 1    |     |     |     |     |     |   |   |
| 74           | 3    | 119802-51600 | TIMER ASSY           | 1    |     |     |     |     |     |   |   |
| 77           | 3    | 158553-51670 | O-RING, 1011         | 1    |     |     |     |     |     |   |   |
| 78           | 3    | 119802-51680 | RING, BACK UP        | 1    |     |     |     |     |     |   |   |
| 79           | 3    | 119802-51690 | O-RING               | 1    |     |     |     |     |     |   |   |
| 80           | 3    | 24356-010200 | O-RING, 4D1020       | 1    |     |     |     |     |     |   |   |
| 81           | 3    | 24372-000150 | RING, BACK UP T2P15  | 1    |     |     |     |     |     |   |   |
| 83           | 2    | 158552-51600 | GASKET               | 1    |     |     |     |     |     |   |   |
| 84           | 2    | 158553-51630 | SPRING, TIMER        | 1    |     |     |     |     |     |   |   |
| 86           | 2    | 158553-51640 | ELEMENT              | 1    |     |     |     |     |     |   |   |
| 87           | 2    | 158601-51650 | JOINT, OVER FLOW     | 1    |     |     |     |     |     |   |   |
| 88           | 2    | 158553-51660 | O-RING, P14          | 1    |     |     |     |     |     |   |   |
| 89           | 2    | 158553-51680 | GASKET               | 1    |     |     |     |     |     |   |   |
| 90           | 2    | 158601-51770 | PISTON               | 1    |     |     |     |     |     |   |   |
| 91           | 2    | 158552-51780 | SPRING               | 1    |     |     |     |     |     |   |   |
| (A=E/#*****) |      |              |                      |      |     |     |     |     |     |   |   |
| 91-1         | 2    | 158552-51781 | SPRING               | 1    |     |     |     |     |     |   | N |
| (A=E/#*****) |      |              |                      |      |     |     |     |     |     |   |   |
| 92           | 2    | 158601-51790 | PLUG                 | 1    |     |     |     |     |     |   |   |
| 98           | 2    | 158552-52100 | PUMP ASSY, FUEL FEED | 1    |     |     |     |     |     |   |   |
| 99           | 2    | 158552-52310 | O-RING               | 1    |     |     |     |     |     |   |   |
| 100          | 2    | 22190-120002 | WASHER, SEAL 12      | 2    |     |     |     |     |     |   |   |
| 101          | 2    | 22190-120002 | WASHER, SEAL 12      | 2    |     |     |     |     |     |   |   |
| 102          | 2    | 22190-120002 | WASHER, SEAL 12      | 1    |     |     |     |     |     |   |   |
| 103          | 2    | 22190-180002 | WASHER, SEAL 18      | 1    |     |     |     |     |     |   |   |
| 104          | 2    | 22190-180002 | WASHER, SEAL 18      | 2    |     |     |     |     |     |   |   |
| 105          | 2    | 22217-140000 | WASHER, SPRING 14    | 1    |     |     |     |     |     |   |   |
| 106          | 2    | 22312-050140 | PIN, PARALLEL M5X14  | 2    |     |     |     |     |     |   |   |
| 107          | 2    | 22351-050010 | PIN, SPRING 5.0X10   | 2    |     |     |     |     |     |   |   |
| 109          | 2    | 119802-51090 | KEY, 4X16            | 1    |     |     |     |     |     |   |   |
| 110          | 2    | 23857-060000 | BOLT, JOINT 6        | 1    |     |     |     |     |     |   |   |
| 111          | 2    | 23887-120002 | PLUG, 12             | 1    |     |     |     |     |     |   |   |
| 113          | 2    | 24311-000070 | O-RING, 1AP7.0       | 1    |     |     |     |     |     |   |   |
| 114          | 2    | 158552-52400 | O-RING, 4E S42       | 1    |     |     |     |     |     |   |   |
| 115          | 2    | 24356-010180 | O-RING, 4D1018       | 1    |     |     |     |     |     |   |   |

N:Old  $\frac{100}{100}$  New, O:Old  $\frac{100}{100}$  New, R:Old  $\frac{100}{100}$  New, S:Old  $\frac{100}{100}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
++ CONTINUE ++  
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[illegible]

(1) Governor (Fig.12) is incorporated in this Fuel Injection Pump (No.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  $\frac{\text{No}}{\text{No}}$  New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change



| No.         | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-------------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|             |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 2           | 2    | 158553-61050 | GASKET               | 1    |     |     |     |     |     |   |   |
| 3           | 2    | 158553-61070 | GASKET               | 1    |     |     |     |     |     |   |   |
| 5           | 2    | 129155-51280 | O-RING, S6           | 1    |     |     |     |     |     |   |   |
| 21          | 2    | 129255-61410 | NUT, LOCK            | 1    |     |     |     |     |     |   |   |
| 22          | 2    | 119807-61420 | SPRING, RETURN       | 1    |     |     |     |     |     |   |   |
| 23          | 2    | 158552-61441 | LEVER, REGULATOR     | 1    |     |     |     |     |     |   |   |
| 24          | 2    | 129155-61460 | BOLT, IDLE           | 1    |     |     |     |     |     |   |   |
| 53          | 2    | 26106-060102 | BOLT, M6X 10 PLATED  | 1    |     |     |     |     |     |   |   |
| 59          | 2    | 119660-61901 | RETAINER, SHAFT      | 1    |     |     |     |     |     |   |   |
| 63          | 2    | 22190-120000 | WASHER, SEAL 12      | 1    |     |     |     |     |     |   |   |
| 65          | 2    | 23887-120002 | PLUG, 12             | 1    |     |     |     |     |     |   |   |
| 67          | 2    | 26106-060102 | BOLT, M6X 10 PLATED  | 1    |     |     |     |     |     |   |   |
| 68          | 2    | 26756-060002 | NUT, LOCK M6         | 1    |     |     |     |     |     |   |   |
| 82          | 2    | 24341-000280 | O-RING, 1AS28.0      | 1    |     |     |     |     |     |   |   |
| 82-1        | 2    | 158552-61900 | O-RING               | 1    |     |     |     |     |     |   | N |
| (A)=EXXXXX) |      |              |                      |      |     |     |     |     |     |   |   |
| 83          | 2    | 26106-060142 | BOLT, M6X 14 PLATED  | 2    |     |     |     |     |     |   |   |
| 84          | 2    | 26106-060142 | BOLT, M6X 14 PLATED  | 4    |     |     |     |     |     |   |   |
| 85          | 2    | 26106-060202 | BOLT, M6X 20 PLATED  | 10   |     |     |     |     |     |   |   |
| 96          | 2    | 119233-77932 | SOLENOID, STOP       | 1    |     |     |     |     |     |   |   |
| 97          | 2    | 129642-61060 | COVER, GOVERNOR CASE | 1    |     |     |     |     |     |   |   |

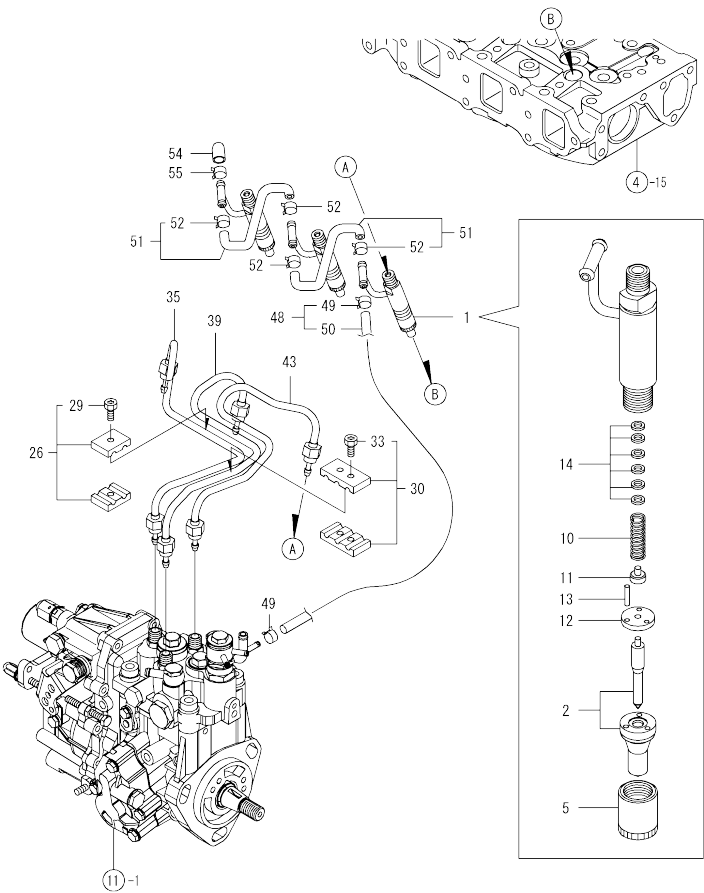
Remarks

\* This figure(Governor) is incorporated in the Fuel Injection Pump(Fig.11).

N:Old  $\xrightarrow{\text{YES}}$  New. Q:Old  $\xrightarrow{\text{NO}}$  New. R:Old  $\xrightarrow{\text{YES}}$  New. S:Old  $\xrightarrow{\text{NO}}$  New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change



Fig.13. FUEL INJECTION VALVE

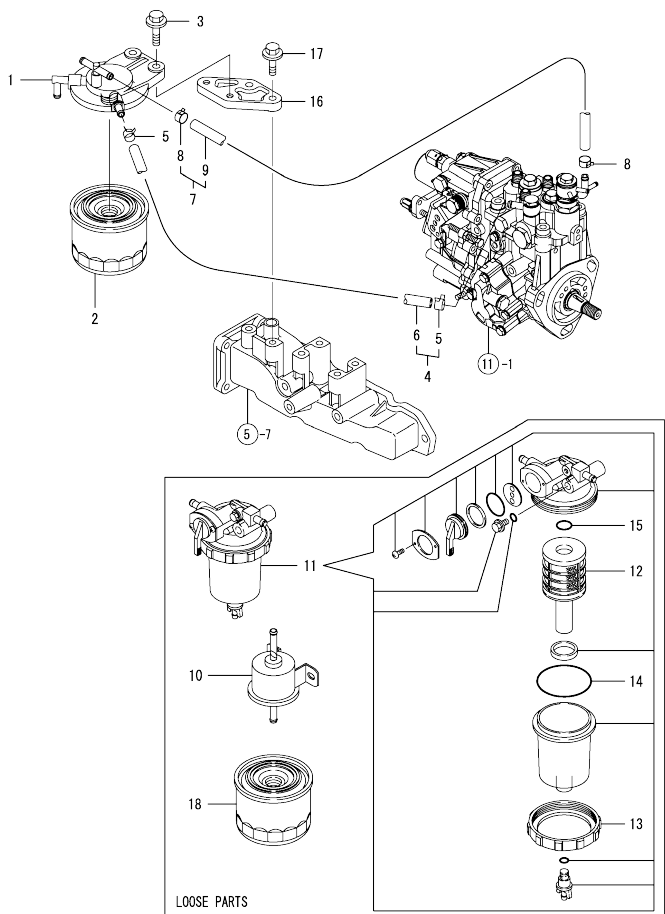


(A)=3TNV82A-SNN  
(B)=  
(C)=

(D)=  
(E)=  
(F)=

| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 729646-53100 | VALVE ASSY,INJECTION | 3    |     |     |     |     |     |   |   |
| 2   | 2    | 129646-53000 | VALVE ASSY,INJECTION | 3    |     |     |     |     |     |   |   |
| 5   | 2    | 114250-53080 | NUT, NOZZLE D16.95   | 3    |     |     |     |     |     |   |   |
| 10  | 2    | 114250-53120 | SPRING, NOZZLE       | 3    |     |     |     |     |     |   |   |
| 11  | 2    | 114250-53130 | SEAT, SPRING         | 3    |     |     |     |     |     |   |   |
| 12  | 2    | 114250-53140 | PLATE                | 3    |     |     |     |     |     |   |   |
| 13  | 2    | 114250-53210 | PIN                  | 6    |     |     |     |     |     |   |   |
| 14  | 2    | 114250-53400 | SHIM SET             | 3    |     |     |     |     |     |   |   |
| 26  | 1    | 119305-59120 | RETAINER, PIPE       | 1    |     |     |     |     |     |   |   |
| 29  | 2    | 129150-59131 | BOLT, M4X14          | 1    |     |     |     |     |     |   |   |
| 30  | 1    | 129150-59120 | RETAINER, PIPE       | 1    |     |     |     |     |     |   |   |
| 33  | 2    | 129150-59131 | BOLT, M4X14          | 2    |     |     |     |     |     |   |   |
| 35  | 1    | 119802-59810 | PIPE ASSY, INJECTION | 1    |     |     |     |     |     |   |   |
| 39  | 1    | 119802-59820 | PIPE ASSY, INJECTION | 1    |     |     |     |     |     |   |   |
| 43  | 1    | 119802-59830 | PIPE ASSY, INJECTION | 1    |     |     |     |     |     |   |   |
| 48  | 1    | 119802-59550 | PIPE ASSY, RETURN    | 1    |     |     |     |     |     |   |   |
| 49  | 2    | 124722-59050 | CLIP, HOSE 9         | 2    |     |     |     |     |     |   |   |
| 50  | 2    | 119802-59560 | PIPE, FUEL RETURN    | 1    |     |     |     |     |     |   |   |
| 51  | 1    | 129486-59551 | PIPE ASSY, RETURN    | 2    |     |     |     |     |     |   |   |
| 52  | 2    | 124722-59050 | CLIP, HOSE 9         | 4    |     |     |     |     |     |   |   |
| 54  | 1    | 119593-59580 | CAP                  | 1    |     |     |     |     |     |   |   |
| 55  | 1    | 124060-77680 | CLIP, HOSE 10        | 1    |     |     |     |     |     |   |   |

Fig.14. FUEL PIPING

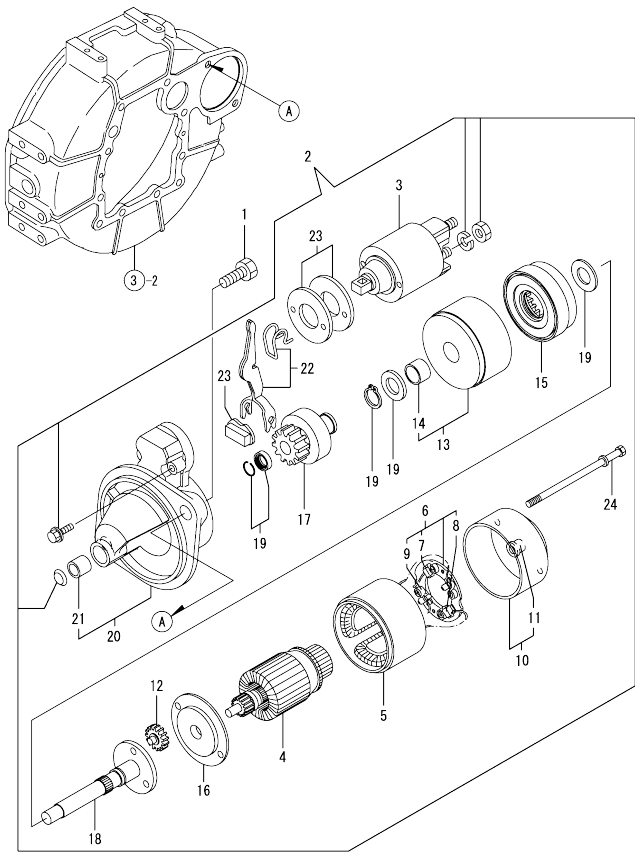


(A)=3TNV82A-SNN  
(B)=  
(C)=

(D)=  
(E)=  
(F)=

| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 129004-55611 | BRACKET, FILTER      | 1    |     |     |     |     |     |   |   |
| 2   | 1    | 129907-55800 | FILTER, FUEL         | 1    |     |     |     |     |     |   |   |
| 3   | 1    | 26106-080302 | BOLT, M8X 30 PLATED  | 2    |     |     |     |     |     |   |   |
| 4   | 1    | 119940-59020 | PIPE ASSY, FUEL L340 | 1    |     |     |     |     |     |   |   |
| 5   | 2    | 124766-59050 | CLIP, HOSE 12        | 2    |     |     |     |     |     |   |   |
| 6   | 2    | 129255-59580 | PIPE, FUEL           | 1    |     |     |     |     |     |   |   |
| 7   | 1    | 129210-59070 | PIPE ASSY, FUEL      | 1    |     |     |     |     |     |   |   |
| 8   | 2    | 124766-59050 | CLIP, HOSE 12        | 2    |     |     |     |     |     |   |   |
| 9   | 2    | 105025-59760 | PIPE, FUEL           | 1    |     |     |     |     |     |   |   |
| 10  | 1    | 119225-52102 | PUMP ASSY, FUEL FEED | 1    |     |     |     |     |     |   |   |
| 11  | 1    | 119802-55700 | SEPARATOR ASSY       | 1    |     |     |     |     |     |   |   |
| 12  | 2    | 119802-55710 | ELEMENT              | 1    |     |     |     |     |     |   |   |
| 13  | 2    | 129100-55690 | RING, RETAINING      | 1    |     |     |     |     |     |   |   |
| 14  | 2    | 24321-000650 | O-RING, 1AG65.0      | 1    |     |     |     |     |     |   |   |
| 15  | 2    | 24311-000160 | O-RING, 1AP16.0      | 1    |     |     |     |     |     |   |   |
| 16  | 1    | 119940-55690 | SPACER               | 1    |     |     |     |     |     |   |   |
| 17  | 1    | 26106-080252 | BOLT, M8X 25 PLATED  | 2    |     |     |     |     |     |   |   |
| 18  | 1    | 129907-55800 | FILTER, FUEL         | 1    |     |     |     |     |     |   |   |

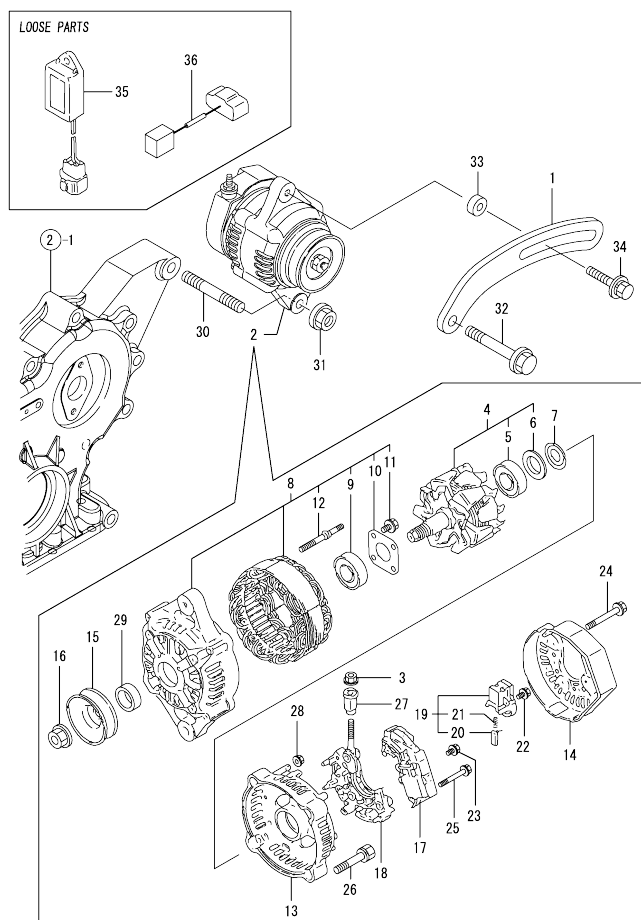
Fig.15. STARTING MOTOR



(A)=3TNV82A-SNN  
(B)=  
(C)=

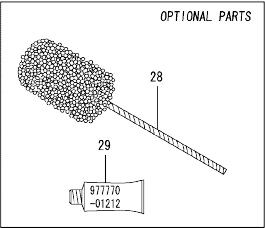
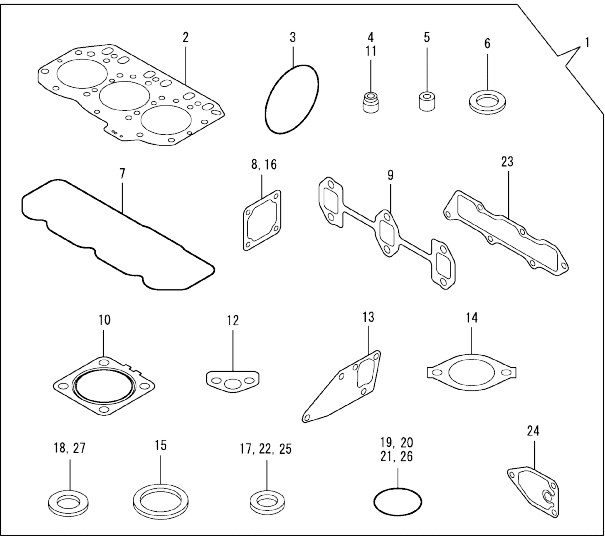
(D)=  
(E)=  
(F)=

| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 26116-120252 | BOLT, M12X 25 PLATED | 2    |     |     |     |     |     |   |   |
| 2   | 1    | 129242-77010 | STARTER, 1.7         | 1    |     |     |     |     |     |   |   |
| 3   | 2    | 129698-77020 | SWITCH ASSY          | 1    |     |     |     |     |     |   |   |
| 4   | 2    | 129242-77100 | ARMATURE ASSY        | 1    |     |     |     |     |     |   |   |
| 5   | 2    | 129242-77110 | YOKE ASSY            | 1    |     |     |     |     |     |   |   |
| 6   | 2    | 129242-77120 | HOLDER ASSY, BRUSH   | 1    |     |     |     |     |     |   |   |
| 7   | 3    | 129242-77130 | BRUSH                | 2    |     |     |     |     |     |   |   |
| 8   | 3    | 129242-77140 | BRUSH SET            | 1    |     |     |     |     |     |   |   |
| 9   | 3    | 129242-77150 | SPRING               | 4    |     |     |     |     |     |   |   |
| 10  | 2    | 129242-77160 | COVER ASSY           | 1    |     |     |     |     |     |   |   |
| 11  | 3    | 129242-77170 | METAL                | 1    |     |     |     |     |     |   |   |
| 12  | 2    | 118400-77170 | GEAR                 | 3    |     |     |     |     |     |   |   |
| 13  | 2    | 129242-77180 | BRACKET              | 1    |     |     |     |     |     |   |   |
| 14  | 3    | 129698-77190 | BRACKET              | 1    |     |     |     |     |     |   |   |
| 15  | 2    | 129698-77200 | GEAR, INTERNAL       | 1    |     |     |     |     |     |   |   |
| 16  | 2    | 129242-77210 | BRACKET              | 1    |     |     |     |     |     |   |   |
| 17  | 2    | 129698-77220 | PINION ASSY          | 1    |     |     |     |     |     |   |   |
| 18  | 2    | 129698-77230 | SHAFT                | 1    |     |     |     |     |     |   |   |
| 19  | 2    | 129698-77250 | WASHER SET           | 1    |     |     |     |     |     |   |   |
| 20  | 2    | 129242-77260 | CASE ASSY            | 1    |     |     |     |     |     |   |   |
| 21  | 3    | X2114535200  | METAL, STARTER       | 1    |     |     |     |     |     |   |   |
| 22  | 2    | 129242-77270 | LEVER SET            | 1    |     |     |     |     |     |   |   |
| 23  | 2    | 129242-77280 | COVER ASSY, DUST     | 1    |     |     |     |     |     |   |   |
| 24  | 2    | 124195-77770 | BOLT, THROUGH        | 2    |     |     |     |     |     |   |   |



| No. | Lev. | Parts No.    | Description         | (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|-----|------|--------------|---------------------|-----|-----|-----|-----|-----|-----|---|---|
| 1   | 1    | 119802-77330 | ADJUSTER            | 1   |     |     |     |     |     |   |   |
| 2   | 1    | 129423-77200 | GENERATOR, 12V-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               | 1   |     |     |     |     |     |   |   |
| 7   | 2    | 119620-79360 | WASHER, THRUST      | 1   |     |     |     |     |     |   |   |
| 8   | 2    | 119620-77421 | FRAME ASSY, DRIVE   | 1   |     |     |     |     |     |   |   |
| 9   | 3    | 119620-79200 | BEARING, BALL       | 1   |     |     |     |     |     |   |   |
| 10  | 3    | 119620-79210 | PLATE, RETAINER     | 1   |     |     |     |     |     |   |   |
| 11  | 3    | 119620-79220 | SCREW               | 4   |     |     |     |     |     |   |   |
| 12  | 3    | 119620-79230 | STUD                | 2   |     |     |     |     |     |   |   |
| 13  | 2    | 119620-77440 | FRAME ASSY          | 1   |     |     |     |     |     |   |   |
| 14  | 2    | 129240-79300 | COVER               | 1   |     |     |     |     |     |   |   |
| 15  | 2    | 119620-77461 | PULLEY              | 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 ASSY          | 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  | 2    | 119620-79350 | NUT                 | 2   |     |     |     |     |     |   |   |
| 29  | 2    | 119620-77490 | COLLAR              | 1   |     |     |     |     |     |   |   |
| 30  | 1    | 129795-01900 | STUD                | 1   |     |     |     |     |     |   |   |
| 31  | 1    | 26306-100002 | NUT, M10            | 1   |     |     |     |     |     |   |   |
| 32  | 1    | 26106-080452 | BOLT, M8X 45 PLATED | 1   |     |     |     |     |     |   |   |
| 33  | 1    | 119940-77270 | SPACER, GENERATOR   | 1   |     |     |     |     |     |   |   |
| 34  | 1    | 129972-77341 | BOLT, ADJUSTER L=50 | 1   |     |     |     |     |     |   |   |
| 35  | 1    | 129211-77920 | TIMER               | 1   |     |     |     |     |     |   |   |
| 36  | 1    | 129457-77511 | CONNECTOR           | 1   |     |     |     |     |     |   |   |

Fig.17. GASKET SET



Remarks  
(1)Optional parts.

(A)=3TNV82A-SNN  
(B)=  
(C)=

(D)=  
(E)=  
(F)=

| No. | Lev. | Parts No.    | Description        | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|--------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                    | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 719823-92870 | GASKET SET         | 1    |     |     |     |     |     |   | 1 |
| 2   | 2    | 119812-01330 | GASKET, HEAD       | 1    |     |     |     |     |     |   |   |
| 3   | 2    | 121850-51960 | O-RING             | 1    |     |     |     |     |     |   |   |
| 4   | 2    | 124950-11340 | SEAL, VALVE STEM   | 3    |     |     |     |     |     |   |   |
| 5   | 2    | 119802-11870 | PROTECTOR, NOZZLE  | 3    |     |     |     |     |     |   |   |
| 6   | 2    | 119625-11880 | SEAT, NOZZLE       | 3    |     |     |     |     |     |   |   |
| 7   | 2    | 119802-11310 | GASKET, BONNET     | 1    |     |     |     |     |     |   |   |
| 8   | 2    | 129150-77511 | GASKET             | 1    |     |     |     |     |     |   |   |
| 9   | 2    | 119810-13110 | GASKET             | 1    |     |     |     |     |     |   |   |
| 10  | 2    | 129004-13200 | GASKET, SILENCER   | 1    |     |     |     |     |     |   |   |
| 11  | 2    | 124160-11340 | SEAL, VALVE STEM   | 3    |     |     |     |     |     |   |   |
| 12  | 2    | 129150-35042 | GASKET             | 1    |     |     |     |     |     |   |   |
| 13  | 2    | 129486-42050 | GASKET, WATER PUMP | 1    |     |     |     |     |     |   |   |
| 14  | 2    | 129795-49551 | GASKET             | 1    |     |     |     |     |     |   |   |
| 15  | 2    | 129150-49811 | GASKET, THERMOSTAT | 1    |     |     |     |     |     |   |   |
| 16  | 2    | 129100-77510 | GASKET             | 1    |     |     |     |     |     |   |   |
| 17  | 2    | 22190-080002 | WASHER, SEAL 6     | 2    |     |     |     |     |     |   |   |
| 18  | 2    | 124465-44950 | GASKET, 16         | 2    |     |     |     |     |     |   |   |
| 19  | 2    | 24311-000120 | O-RING, 1AP12.0    | 3    |     |     |     |     |     |   |   |
| 20  | 2    | 24311-000320 | O-RING, 1AP32.0    | 2    |     |     |     |     |     |   |   |
| 21  | 2    | 24341-000240 | O-RING, 1AS24.0    | 1    |     |     |     |     |     |   |   |
| 22  | 2    | 22190-100002 | WASHER, SEAL 10    | 2    |     |     |     |     |     |   |   |
| 23  | 2    | 119813-12110 | GASKET, MANIFOLD   | 1    |     |     |     |     |     |   |   |
| 24  | 2    | 129150-35111 | GASKET             | 1    |     |     |     |     |     |   |   |
| 25  | 2    | 22190-220002 | WASHER, SEAL 22    | 1    |     |     |     |     |     |   |   |
| 26  | 2    | 119609-32040 | O-RING, P16        | 4    |     |     |     |     |     |   |   |
| 27  | 2    | 23414-080000 | GASKET, 8X1.0      | 1    |     |     |     |     |     |   |   |
| 28  | 1    | 129400-92420 | HONE               | 1    |     |     |     |     |     |   | 1 |
| 29  | 1    | 977770-01212 | GASKET, LIQUID     | 1    |     |     |     |     |     |   | 1 |

## Parts No. Index

| Parts No.    | Fig. No. | Ref. No. |
|--------------|----------|----------|
| 104211-11180 | 4        | 27       |
| 104211-11370 | 4        | 14       |
| 105025-59760 | 14       | 9        |
| 114250-39450 | 9        | 9        |
| 114250-53080 | 13       | 5        |
| 114250-53120 | 13       | 10       |
| 114250-53130 | 13       | 11       |
| 114250-53140 | 13       | 12       |
| 114250-53210 | 13       | 13       |
| 114250-53400 | 13       | 14       |
| 118400-77170 | 15       | 12       |
| 119005-35151 | 9        | 22       |
|              |          | 25       |
| 119131-18320 | 6        | 5        |
| 119140-12680 | 5        | 24       |
| 119225-52102 | 14       | 10       |
| 119233-77932 | 12       | 96       |
| 119305-59120 | 13       | 26       |
| 119593-59580 | 13       | 54       |
| 119609-32040 | 2        | 17       |
|              | 17       | 26       |
| 119620-01750 | 3        | 3        |
| 119620-02020 | 1        | 12       |
| 119620-77380 | 16       | 4        |
| 119620-77421 | 16       | 8        |
| 119620-77440 | 16       | 13       |
| 119620-77461 | 16       | 15       |
| 119620-77471 | 16       | 16       |
| 119620-77480 | 16       | 20       |
| 119620-77490 | 16       | 29       |
| 119620-79200 | 16       | 9        |
| 119620-79210 | 16       | 10       |
| 119620-79220 | 16       | 11       |
| 119620-79230 | 16       | 12       |
| 119620-79240 | 16       | 5        |
| 119620-79250 | 16       | 6        |
| 119620-79260 | 16       | 18       |
| 119620-79270 | 16       | 19       |
| 119620-79280 | 16       | 21       |
| 119620-79290 | 16       | 22       |
| 119620-79300 | 16       | 23       |
| 119620-79310 | 16       | 24       |
| 119620-79320 | 16       | 25       |
| 119620-79330 | 16       | 26       |
| 119620-79340 | 16       | 27       |
| 119620-79350 | 16       | 28       |
| 119620-79360 | 16       | 7        |
| 119625-11880 | 4        | 32       |
|              | 17       | 6        |
| 119640-01640 | 3        | 9        |

| Parts No.    | Fig. No. | Ref. No. |
|--------------|----------|----------|
| 119660-61901 | 12       | 59       |
| 119802-01190 | 1        | 38       |
| 119802-01520 | 2        | 12       |
| 119802-01560 | 2        | 13       |
| 119802-03010 | 4        | 41       |
| 119802-03080 | 5        | 12       |
| 119802-03110 | 4        | 43       |
| 119802-03121 | 4        | 44       |
| 119802-03130 | 4        | 45       |
| 119802-03141 | 4        | 46       |
| 119802-11100 | 4        | 24       |
| 119802-11110 | 4        | 25       |
| 119802-11241 | 4        | 3        |
| 119802-11251 | 4        | 4        |
| 119802-11260 | 4        | 6        |
| 119802-11270 | 4        | 7        |
| 119802-11280 | 4        | 8        |
| 119802-11310 | 4        | 49       |
|              | 17       | 7        |
| 119802-11350 | 4        | 40       |
| 119802-11650 | 4        | 10       |
| 119802-11700 | 4        | 15       |
| 119802-11730 | 4        | 15 -1    |
| 119802-11810 | 4        | 21       |
| 119802-11870 | 4        | 55       |
|              | 17       | 5        |
| 119802-11900 | 4        | 33       |
| 119802-12100 | 5        | 7        |
| 119802-12560 | 5        | 15       |
| 119802-13129 | 6        | 2        |
| 119802-14580 | 7        | 3        |
| 119802-21002 | 8        | 1        |
| 119802-21202 | 8        | 5        |
| 119802-21650 | 8        | 9        |
| 119802-22080 | 8        | 16       |
| 119802-22500 | 8        | 18       |
| 119802-25051 | 7        | 10       |
| 119802-25070 | 7        | 14       |
| 119802-25100 | 7        | 11       |
| 119802-25901 | 7        | 17       |
| 119802-32070 | 2        | 8        |
| 119802-32100 | 2        | 7        |
| 119802-32111 | 2        | 18       |
| 119802-32120 | 2        | 19       |
| 119802-32130 | 2        | 20       |
| 119802-34802 | 9        | 1        |
| 119802-35100 | 9        | 18       |
| 119802-35110 | 9        | 19       |
| 119802-39450 | 9        | 11       |
| 119802-42000 | 10       | 1        |

| Parts No.    | Fig. No. | Ref. No. |
|--------------|----------|----------|
| 119802-49610 | 10       | 31       |
| 119802-49620 | 10       | 36       |
| 119802-49711 | 10       | 32       |
| 119802-49721 | 10       | 37       |
| 119802-49730 | 10       | 33       |
| 119802-51090 | 11       | 109      |
| 119802-51250 | 11       | 128      |
| 119802-51560 | 11       | 67       |
| 119802-51590 | 11       | 73       |
| 119802-51600 | 11       | 74       |
| 119802-51680 | 11       | 78       |
| 119802-51690 | 11       | 79       |
| 119802-55700 | 14       | 11       |
| 119802-55710 | 14       | 12       |
| 119802-59320 | 10       | 35       |
| 119802-59550 | 13       | 48       |
| 119802-59560 | 13       | 50       |
| 119802-59810 | 13       | 35       |
| 119802-59820 | 13       | 39       |
| 119802-59830 | 13       | 43       |
| 119802-77330 | 16       | 1        |
| 119807-61420 | 12       | 22       |
| 119808-12520 | 5        | 21       |
|              |          | 27       |
| 119808-12540 | 5        | 22       |
| 119810-01200 | 1        | 30       |
| 119810-01730 | 3        | 6        |
| 119810-02870 | 1        | 32       |
| 119810-02930 | 1        | 27       |
| 119810-02940 | 1        | 35       |
| 119810-11120 | 4        | 26       |
| 119810-13110 | 6        | 1        |
|              | 17       | 9        |
| 119810-14400 | 7        | 2        |
| 119810-23200 | 8        | 29       |
| 119810-23600 | 8        | 30       |
| 119810-23610 | 8        | 32       |
| 119810-23910 | 8        | 28       |
| 119810-35300 | 9        | 4        |
| 119810-42051 | 10       | 3        |
| 119810-42120 | 10       | 4        |
| 119810-42281 | 10       | 8        |
| 119810-42290 | 10       | 9        |
| 119812-01330 | 1        | 31       |
|              | 17       | 2        |
| 119813-12110 | 5        | 9        |
|              | 17       | 23       |
| 119813-22300 | 8        | 22       |
| 119823-01770 | 3        | 8        |
| 119865-21600 | 8        | 15       |

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| 119866-12541 | 5        | 23       |
| 119910-12210 | 5        | 14       |
| 119910-12510 | 5        | 20       |
| 119910-12610 | 5        | 19       |
| 119934-01800 | 2        | 6        |
| 119940-55690 | 14       | 16       |
| 119940-59020 | 14       | 4        |
| 119940-77270 | 16       | 33       |
| 120270-54410 | 4        | 34       |
| 121023-01550 | 2        | 27       |
| 121111-21501 | 8        | 12       |
| 121267-44741 | 10       | 30       |
| 121450-42450 | 10       | 24       |
| 121520-34810 | 9        | 2        |
| 121850-21680 | 8        | 11       |
| 121850-51960 | 2        | 21       |
|              | 17       | 3        |
| 123900-13610 | 6        | 3        |
| 123900-13630 | 6        | 4        |
| 124060-01050 | 1        | 6        |
| 124060-11800 | 4        | 19       |
| 124060-77680 | 13       | 55       |
| 124160-01751 | 2        | 14       |
|              | 4        | 39       |
| 124160-01910 | 1        | 4        |
|              |          | 14       |
| 124160-11340 | 4        | 28       |
|              | 17       | 11       |
| 124160-11360 | 4        | 52       |
| 124160-39140 | 9        | 10       |
| 124195-77770 | 15       | 24       |
| 124240-01871 | 2        | 15       |
| 124465-44950 | 10       | 23       |
|              | 17       | 18       |
| 124722-59050 | 10       | 34       |
|              |          | 38       |
|              | 13       | 49       |
|              |          | 52       |
| 124766-59050 | 14       | 5        |
|              |          | 8        |
| 124950-11340 | 4        | 29       |
|              | 17       | 4        |
| 129001-01250 | 1        | 7        |
| 129001-32330 | 2        | 11       |
| 129001-91841 | 2        | 22       |
| 129004-13200 | 6        | 7        |
|              | 17       | 10       |
| 129004-55611 | 14       | 1        |
| 129005-59830 | 9        | 12       |
| 129051-12530 | 5        | 25       |

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| 129051-12530 | 5        | 28       |
| 129054-42320 | 10       | 11       |
| 129100-01580 | 3        | 1        |
|              | 14       |          |
|              | 8        | 2        |
| 129100-01640 | 3        | 15       |
| 129100-35140 | 9        | 20       |
| 129100-55690 | 14       | 13       |
| 129100-77500 | 5        | 1        |
| 129100-77510 | 5        | 2        |
|              | 17       | 16       |
| 129150-02450 | 7        | 4        |
| 129150-03070 | 4        | 42       |
| 129150-11230 | 4        | 11       |
| 129150-11280 | 4        | 9        |
| 129150-11750 | 4        | 13       |
| 129150-14101 | 7        | 7        |
| 129150-14200 | 7        | 1        |
| 129150-25301 | 7        | 16       |
| 129150-35042 | 9        | 3        |
|              | 17       | 12       |
| 129150-35111 | 9        | 21       |
|              | 17       | 24       |
| 129150-49811 | 10       | 27       |
|              | 17       | 15       |
| 129150-59120 | 13       | 30       |
| 129150-59131 | 13       | 29       |
|              |          | 33       |
| 129150-77511 | 5        | 3        |
|              | 17       | 8        |
| 129155-42350 | 10       | 19       |
| 129155-49801 | 10       | 26       |
| 129155-51280 | 12       | 5        |
| 129155-61460 | 12       | 24       |
| 129210-59070 | 14       | 7        |
| 129211-42290 | 10       | 18       |
| 129211-77920 | 16       | 35       |
| 129240-13550 | 6        | 8        |
| 129240-79300 | 16       | 14       |
| 129242-77010 | 15       | 2        |
| 129242-77100 | 15       | 4        |
| 129242-77110 | 15       | 5        |
| 129242-77120 | 15       | 6        |
| 129242-77130 | 15       | 7        |
| 129242-77140 | 15       | 8        |
| 129242-77150 | 15       | 9        |
| 129242-77160 | 15       | 10       |
| 129242-77170 | 15       | 11       |
| 129242-77180 | 15       | 13       |
| 129242-77210 | 15       | 16       |

| Parts No.    | Fig. No. | Ref. No. |
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| 129242-77260 | 15       | 20       |
| 129242-77270 | 15       | 22       |
| 129242-77280 | 15       | 23       |
| 129255-59580 | 14       | 6        |
| 129255-61410 | 12       | 21       |
| 129350-49530 | 10       | 20       |
| 129400-92420 | 17       | 28       |
| 129410-03990 | 5        | 13       |
| 129418-32320 | 2        | 10       |
| 129423-77200 | 16       | 2        |
| 129423-77710 | 16       | 17       |
| 129457-77511 | 16       | 36       |
| 129486-01670 | 3        | 18       |
| 129486-42050 | 10       | 22       |
|              | 17       | 13       |
| 129486-59551 | 13       | 51       |
| 129489-21590 | 8        | 13       |
| 129612-01600 | 3        | 2        |
| 129612-12650 | 5        | 26       |
| 129642-61060 | 12       | 97       |
| 129646-53000 | 13       | 2        |
| 129698-77020 | 15       | 3        |
| 129698-77190 | 15       | 14       |
| 129698-77200 | 15       | 15       |
| 129698-77220 | 15       | 17       |
| 129698-77230 | 15       | 18       |
| 129698-77250 | 15       | 19       |
| 129792-22400 | 8        | 23       |
| 129795-01780 | 3        | 17       |
| 129795-01900 | 16       | 30       |
| 129795-01950 | 2        | 16       |
| 129795-02411 | 1        | 13       |
| 129795-21661 | 8        | 10       |
| 129795-49551 | 10       | 21       |
|              | 17       | 14       |
| 129900-07900 | 4        | 1        |
| 129900-32130 | 2        | 9        |
| 129907-55800 | 14       | 2        |
|              |          | 18       |
| 129916-59020 | 11       | 126      |
| 129972-77341 | 16       | 34       |
| 158552-51151 | 7        | 18       |
| 158552-51570 | 11       | 68       |
|              |          | 69       |
| 158552-51580 | 11       | 72       |
| 158552-51600 | 11       | 83       |
| 158552-51670 | 11       | 4        |
| 158552-51780 | 11       | 91       |
| 158552-51781 | 11       | 91 -1    |
| 158552-52100 | 11       | 98       |

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| 158552-52310 | 11       | 99       |
| 158552-52400 | 11       | 114      |
| 158552-61441 | 12       | 23       |
| 158552-61900 | 12       | 82 -1    |
| 158553-51551 | 11       | 65       |
| 158553-51630 | 11       | 84       |
| 158553-51640 | 11       | 86       |
| 158553-51660 | 11       | 88       |
| 158553-51670 | 11       | 77       |
| 158553-51680 | 11       | 89       |
| 158553-51770 | 11       | 118      |
| 158553-61050 | 12       | 2        |
| 158553-61070 | 12       | 3        |
| 158557-51570 | 11       | 70       |
| 158560-51300 | 11       | 49       |
| 158563-51281 | 11       | 47       |
|              |          | 48       |
| 158563-51330 | 11       | 57       |
| 158600-51270 | 11       | 46       |
| 158601-51340 | 11       | 58       |
| 158601-51550 | 11       | 66       |
| 158601-51570 | 11       | 71       |
| 158601-51650 | 11       | 87       |
| 158601-51770 | 11       | 90       |
| 158601-51790 | 11       | 92       |
| 171051-01921 | 1        | 5        |
| 171056-49120 | 9        | 23       |
| 171340-77520 | 5        | 4        |
| 171353-44760 | 10       | 39       |
| 22190-080002 | 9        | 14       |
|              |          | 15       |
|              | 17       | 17       |
| 22190-100002 | 9        | 16       |
|              | 17       | 22       |
| 22190-120000 | 12       | 63       |
| 22190-120002 | 11       | 100      |
|              |          | 101      |
|              |          | 102      |
| 22190-180002 | 11       | 103      |
|              |          | 104      |
| 22190-220002 | 3        | 11       |
|              | 17       | 25       |
| 22217-140000 | 7        | 19       |
|              | 11       | 105      |
| 22312-050140 | 11       | 106      |
| 22351-030010 | 8        | 8        |
| 22351-050010 | 11       | 107      |
| 22351-060012 | 4        | 35       |
| 22512-070140 | 7        | 8        |
|              | 8        | 6        |

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| 22857-500100 | 4        | 50       |
|              |          | 51       |
| 23000-060000 | 5        | 16       |
| 23414-080000 | 10       | 28       |
|              | 17       | 27       |
| 23857-030000 | 9        | 13       |
| 23857-060000 | 11       | 110      |
| 23876-030000 | 2        | 4        |
|              | 10       | 13       |
| 23876-040000 | 2        | 5        |
| 23887-120002 | 11       | 111      |
|              | 12       | 65       |
| 24311-000070 | 11       | 113      |
| 24311-000120 | 4        | 53       |
|              | 17       | 19       |
| 24311-000160 | 14       | 15       |
| 24311-000320 | 2        | 23       |
|              | 4        | 54       |
|              | 17       | 20       |
| 24321-000650 | 14       | 14       |
| 24341-000240 | 2        | 28       |
|              | 17       | 21       |
| 24341-000280 | 12       | 82       |
| 24356-010180 | 11       | 115      |
| 24356-010200 | 11       | 80       |
|              |          | 116      |
| 24372-000150 | 11       | 81       |
| 26013-080222 | 5        | 17       |
|              |          | 18       |
| 26106-060102 | 11       | 117      |
|              | 12       | 53       |
|              |          | 67       |
| 26106-060142 | 10       | 14       |
|              | 12       | 83       |
|              |          | 84       |
| 26106-060162 | 2        | 29       |
| 26106-060202 | 10       | 15       |
|              | 12       | 85       |
| 26106-060402 | 10       | 40       |
| 26106-080122 | 10       | 29       |
| 26106-080142 | 7        | 9        |
| 26106-080162 | 2        | 24       |
|              |          | 25       |
|              | 3        | 12       |
|              | 4        | 2        |
|              | 11       | 129      |
| 26106-080202 | 5        | 10       |
|              | 9        | 24       |
|              | 11       | 130      |
| 26106-080222 | 10       | 25       |

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| 26106-080252 | 4        | 36       |
|              | 14       | 17       |
| 26106-080302 | 14       | 3        |
| 26106-080352 | 3        | 7        |
|              | 9        | 8        |
|              | 10       | 16       |
| 26106-080402 | 5        | 5        |
|              | 7        | 15       |
| 26106-080452 | 3        | 13       |
|              | 4        | 37       |
|              | 16       | 32       |
| 26106-080502 | 4        | 38       |
| 26106-080552 | 2        | 26       |
|              | 10       | 17       |
| 26106-080802 | 5        | 6        |
|              |          | 11       |
| 26106-100202 | 6        | 9        |
| 26116-120252 | 15       | 1        |
| 26206-100252 | 3        | 4        |
| 26206-100302 | 3        | 5        |
| 26306-080002 | 2        | 31       |
|              | 6        | 6        |
|              |          | 10       |
| 26306-100002 | 16       | 31       |
| 26366-060002 | 9        | 17       |
| 26450-080452 | 11       | 123      |
| 26756-060002 | 12       | 68       |
| 26776-140002 | 7        | 20       |
|              | 11       | 124      |
| 27241-120000 | 1        | 8        |
| 27241-300000 | 1        | 9        |
| 27241-400000 | 4        | 23       |
| 27310-070001 | 4        | 30       |
| 719802-01560 | 1        | 1        |
| 719802-22900 | 8        | 34       |
| 719802-22950 | 8        | 36       |
| 719810-02980 | 1        | 24       |
| 719810-23100 | 8        | 24       |
| 719823-92870 | 17       | 1        |
| 719940-51370 | 11       | 1        |
| 729233-01500 | 2        | 1        |
| 729646-53100 | 13       | 1        |
| 977770-01212 | 2        | 30       |
|              | 3        | 19       |
|              | 4        | 56       |
|              | 17       | 29       |
| X2114535200  | 15       | 21       |
| X9490561001  | 16       | 3        |

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