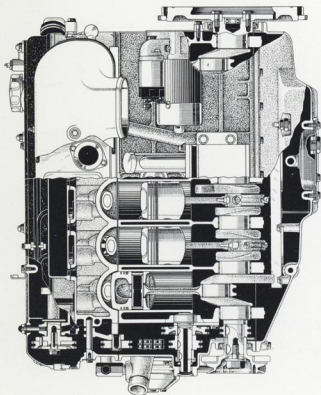
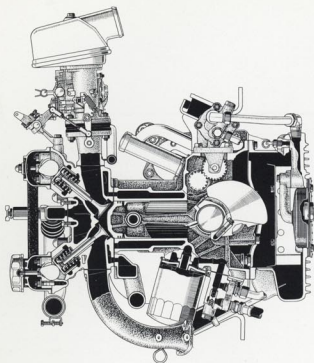


ENGINE GROUP

FIG.-5 MODEL 3M ENGINE SECTION



A 1262-A

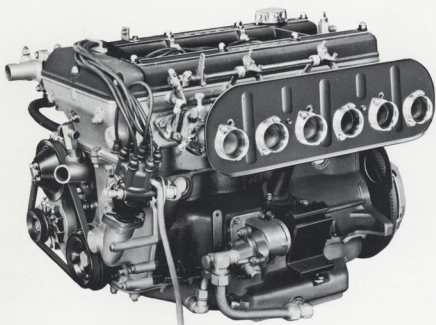


A 1263-A

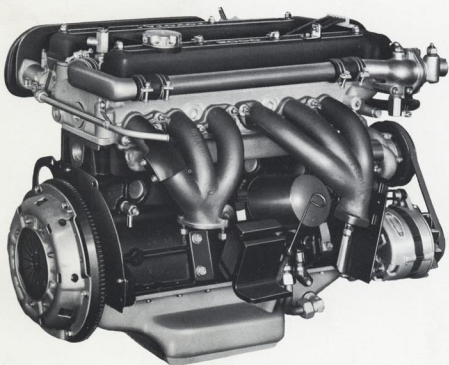
## MODEL 3M ENGINE SPECIFICATIONS

|                                                          |                                                                |
|----------------------------------------------------------|----------------------------------------------------------------|
| Type .....                                               | 6-Cylinder in line, double-over head camshaft, 7 main bearings |
| Bore x stroke (mm.) .....                                | 75 x 75 (2.95 x 2.95 in.)                                      |
| Piston Displacement (c.c.) .....                         | 1,988 (121.4 cu. in.)                                          |
| Compression Ratio .....                                  | 8.4                                                            |
| Maximum Horsepower .....                                 | 150 HP. at 7,000 r.p.m. (SAE)                                  |
| Maximum Torque .....                                     | 18 m.-kg. (130 ft.-lb) at 5,000 r.p.m. (SAE)                   |
| Combustion Chamber .....                                 | Special type.                                                  |
| Engine Dimension (mm.)<br>(Length x Width x Height) .... | 773 x 726 x 619 (30.4 x 28.6 x 24.4 in.)                       |
| Engine Weight, net (kg.) .....                           | 209 (459.8 lb.)                                                |
| Firing Order .....                                       | 1-5-3-6-2-4                                                    |
| Starter Control .....                                    | Over running clutch magnet.                                    |
| Distributor .....                                        | Centrifugal governor and vacuum controller.                    |
| Carburetor .....                                         | Side draft, 3-solex.                                           |
| Air Cleaner .....                                        | Paper filter element type.                                     |
| Fuel Pump .....                                          | Electrical.                                                    |
| Oil pump .....                                           | Gear type.                                                     |
| Battery, rating .....                                    | 12 V, 45 amp.-hr. (20 hr. rate)                                |
| Alternator, rating .....                                 | 12 V 600W                                                      |
| Starter Motor, rating .....                              | 12 V 1.0 KW                                                    |

FIG.-6 ENGINE ASSEMBLY (MF10)



P 1441



P 1442

| ILLUS-<br>TRATION | PART NO. | NOMENCLATURE | P E R<br>VEHICLE | MODEL |
|-------------------|----------|--------------|------------------|-------|
|-------------------|----------|--------------|------------------|-------|

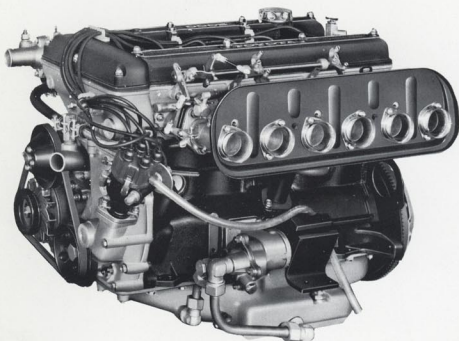
## ENGINE ASSEMBLY

(FIG.6)

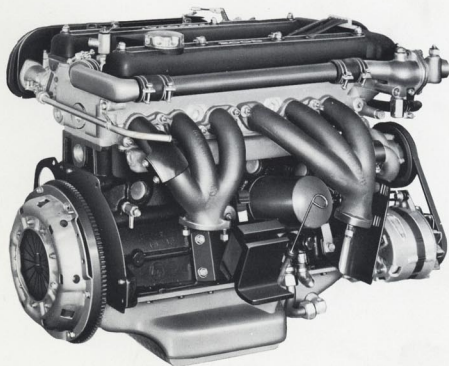
|             |                             |   |      |
|-------------|-----------------------------|---|------|
| 12000-88110 | ENGINE ASSY, w/clutch ..... | 1 | MF10 |
|-------------|-----------------------------|---|------|

ENGINE

FIG.-7 ENGINE ASSEMBLY (MF10L)



P 1443



P 1444

# Toyota 2000 GT

13

| ILLUS-<br>TRATION | PART NO. | NOMENCLATURE | P E R<br>VEHICLE | MODEL |
|-------------------|----------|--------------|------------------|-------|
|-------------------|----------|--------------|------------------|-------|

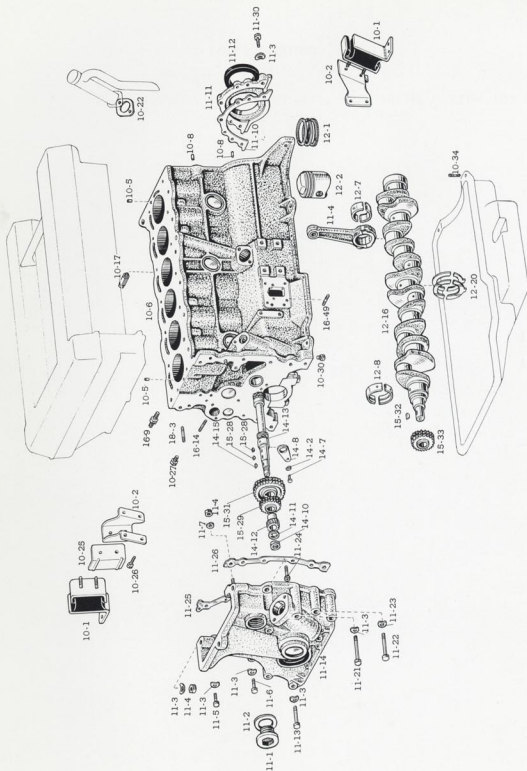
## ENGINE ASSEMBLY

(FIG.7)

|             |                                                     |   |     |
|-------------|-----------------------------------------------------|---|-----|
| 12000-88112 | ENGINE ASSY, w/clutch .....<br>(w/anti smog device) | 1 | 10L |
|-------------|-----------------------------------------------------|---|-----|

ENGINE

FIG.-8 SHORT BLOCK ASSEMBLY





| ILLUS-<br>TRATION    | PART NO.      | NOMENCLATURE            | P E R<br>VEHICLE | MODEL    |
|----------------------|---------------|-------------------------|------------------|----------|
| SHORT BLOCK ASSEMBLY |               |                         |                  |          |
| (FIG.8)              | 1 11400-88111 | BLOCK ASSY, short ..... | 1                | MF10.10L |

FIG.-9 CYLINDER HEAD &amp; HEAD COVER

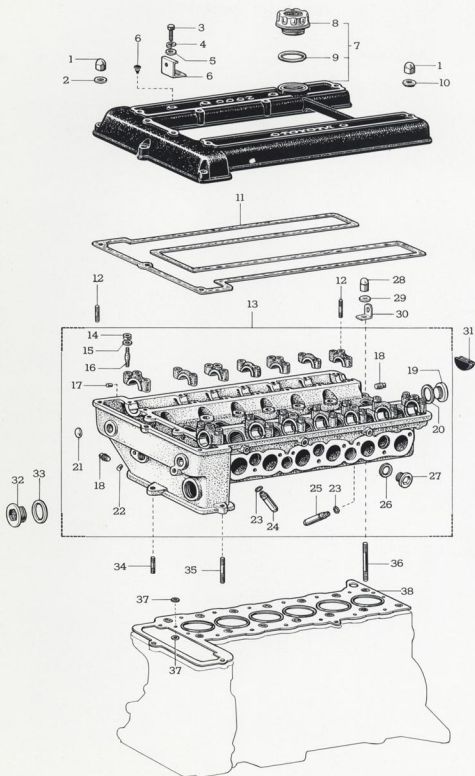


ILLUSTRATION PART NO.

## NOMENCLATURE

PER  
VEHICLE MODEL

CYLINDER HEAD, CYLINDER HEAD COVER,

FILLER CAP &amp; CYLINDER HEAD GASKET

(FIG. 9)

|    |             |                                   |    |             |
|----|-------------|-----------------------------------|----|-------------|
| 1  | 94171-20800 | NUT, cap (hex. 8-1.25p) .....     | 11 |             |
| 2  | 90072-20103 | WASHER, plate .....               | 3  | MF10.10L    |
| 3  | 90072-10117 | BOLT, hexagon .....               | 1  | MF10        |
| 4  | 90072-20405 | WASHER, spring .....              | 1  | MF10        |
| 5  | 94612-20800 | WASHER, plate (8 x 1.6) .....     | 1  | (MF10 only) |
| 6  | 11246-88110 | PLATE, clamp base .....           | 1  | MF10        |
|    | 90541-06008 | CUSHION .....                     | 1  | 10L         |
| 7  | 11210-88110 | COVER ASSY, cylinder head .....   | 1  | MF10.10L    |
| 8  | 12108-88110 | CAP SUB-ASSY, oil filler .....    | 1  | MF10.10L    |
| 9  | 90301-44049 | RING, "O" .....                   | 1  | MF10.10L    |
| 10 | 90210-08007 | WASHER, seal .....                | 8  | MF10.10L    |
| 11 | 11213-88110 | GASKET, cylinder head cover ..... | 1  | MF10.10L    |
| 12 | 90072-11602 | BOLT, stud .....                  | 11 | MF10.10L    |
| 13 | 11101-88111 | HEAD SUB-ASSY, cylinder .....     | 1  | MF10.10L    |
| 14 | 94110-40800 | NUT (hex. 8-1.25p) .....          | 28 |             |
| 15 | 94612-10800 | WASHER, plate (8 x 1.6) .....     | 28 |             |
| 16 | 90072-11601 | BOLT, stud .....                  | 28 | MF10.10L    |
| 17 | 90072-33602 | PLUG, taper .....                 | 2  | MF10.10L    |
| 18 | 90345-52002 | PLUG, w/head taper screw .....    | 3  | MF10.10L    |
| 19 | 90072-34102 | PLUG, w/head straight screw ..... | 1  | MF10.10L    |
| 20 | 90072-43004 | GASKET .....                      | 1  | MF10.10L    |
| 21 | 90330-15023 | PLUG, expansion (D=15) .....      | 2  | MF10.10L    |
| 22 | 90072-33601 | PLUG, taper .....                 | 1  | MF10.10L    |
| 23 | 90072-52002 | RING, shaft snap .....            | 12 | MF10.10L    |
| 24 | 11125-88110 | BUSH, valve guide, exhaust .....  | 6  | MF10.10L    |
| 25 | 11121-88110 | BUSH, valve guide, intake .....   | 6  | MF10.10L    |
| 26 | 90072-43005 | GASKET .....                      | 11 | MF10.10L    |
| 27 | 90072-34103 | PLUG, w/head straight screw ..... | 11 | MF10.10L    |
| 28 | 90072-17601 | NUT, cap .....                    | 14 | MF10.10L    |
| 29 | 90072-20102 | WASHER, plate .....               | 12 | MF10.10L    |
| 30 | 12281-88110 | HANGAR, engine .....              | 2  | MF10.10L    |
| 31 | 11183-88110 | PLUG, semicircular .....          | 2  | MF10.10L    |
| 32 | 90341-32028 | PLUG, w/head straight screw ..... | 1  | MF10.10L    |
| 33 | 90430-33133 | GASKET .....                      | 1  | MF10.10L    |
| 34 | 90116-08015 | BOLT, stud .....                  | 1  | MF10.10L    |
| 35 | 90116-08111 | BOLT, stud .....                  | 2  | MF10.10L    |
| 36 | 90072-11603 | BOLT, stud .....                  | 14 | MF10.10L    |
| 37 | 90072-43003 | GASKET .....                      | 2  | MF10.10L    |
| 38 | 11115-88110 | GASKET, cylinder head .....       | 1  | MF10.10L    |

FIG.-10 CYLINDER BLOCK &amp; ENGINE MOUNTING

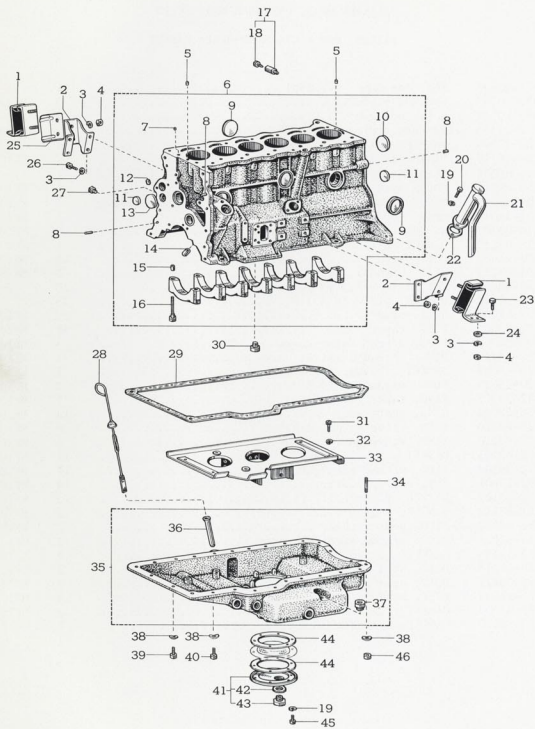


ILLUSTRATION PART NO.

## NOMENCLATURE

PER VEHICLE MODEL

CYLINDER BLOCK, VENTILATION TUBE,

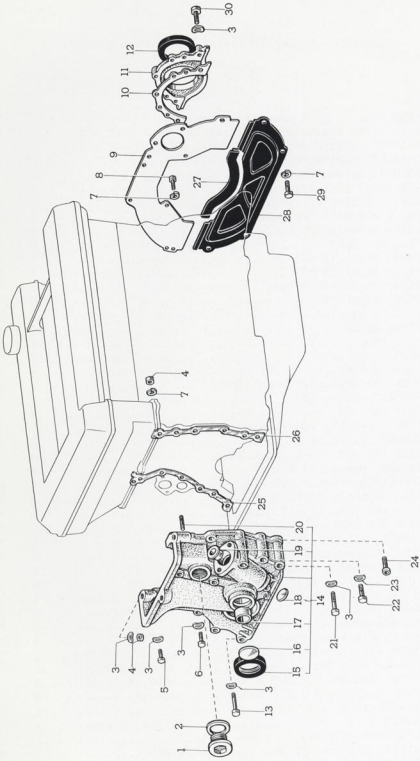
OIL PAN &amp; ENGINE MOUNTING

(FIG.10)

|    |             |                                                  |    |          |
|----|-------------|--------------------------------------------------|----|----------|
| 1  | 12362-88110 | INSULATOR, engine mounting, front, No.2 (For RH) | 1  | MF10.10L |
|    | 12361-88110 | INSULATOR, engine mounting, front, No.1 (For LH) | 1  | MF10.10L |
| 2  | 12311-41010 | BRACKET, engine mounting, front, RH              | 1  | MF10.10L |
|    | 12315-41010 | BRACKET, engine mounting, front, LH              | 1  | MF10.10L |
| 3  | 94512-01000 | WASHER, spring (10)                              | 16 |          |
| 4  | 94110-41000 | NUT (hex. 10-1.25p)                              | 8  |          |
| 5  | 90250-08112 | PIN, straight                                    | 2  | MF10.10L |
| 6  | 11401-88111 | BLOCK SUB-ASSY, cylinder                         | 1  | MF10.10L |
| 7  | 11448-88110 | ORIFICE, cylinder block oil                      | 1  | MF10.10L |
| 8  | 90250-10113 | PIN, straight                                    | 6  | MF10.10L |
| 9  | 90331-40024 | PLUG, tight (D=40)                               | 7  | MF10.10L |
| 10 | 90331-35014 | PLUG, tight (D=35)                               | 1  | MF10.10L |
| 11 | 96412-02200 | PLUG, expansion (D=22)                           | 2  | MF10.10L |
| 12 | 90072-33603 | PLUG, taper                                      | 1  | MF10.10L |
| 13 | 90330-35034 | PLUG, expansion (D=35)                           | 1  | MF10.10L |
| 14 | 90999-70056 | BUSH, solid                                      | 1  | MF10.10L |
| 15 | 90253-15005 | PIN, ring                                        | 14 | MF10.10L |
| 16 | 90910-02012 | BOLT                                             | 14 | MF10.10L |
| 17 | 90910-09038 | COCK, drain                                      | 1  | MF10.10L |
| 18 | 90910-09029 | COCK (For cylinder block drain)                  | 1  | MF10.10L |
| 19 | 94512-00800 | WASHER, spring (8)                               | 8  |          |
| 20 | 91111-40816 | BOLT (hex-hd. 8-1.25p x 16)                      | 2  |          |
| 21 | 12201-41010 | TUBE SUB-ASSY, ventilation                       | 1  | MF10     |
| 22 | 12255-41010 | GASKET, ventilation tube                         | 1  | MF10.10L |
| 23 | 91111-41025 | BOLT (hex-hd. 10-1.25p x 25)                     | 4  |          |
| 24 | 94612-11000 | WASHER, plate (10 x 1.6)                         | 4  |          |
| 25 | 12392-88110 | INSULATOR, engine mounting heat                  | 1  | MF10.10L |
| 26 | 91111-41020 | BOLT (hex-hd. 10-1.25p x 20)                     | 8  |          |
| 27 | 90345-51005 | PLUG (For engine oil hole)                       | 1  | MF10.10L |
| 28 | 15301-88110 | GAGE SUB-ASSY, oil level                         | 1  | MF10.10L |
| 29 | 12151-88110 | GASKET, oil pan, No.1                            | 1  | MF10.10L |
| 30 | 90345-53007 | PLUG, tapered screw                              | 1  | MF10.10L |
| 31 | 91111-40610 | BOLT (hex-hd. 6-1.0p x 10)                       | 6  |          |
| 32 | 94512-00600 | WASHER, spring (6)                               | 6  |          |
| 33 | 12121-88111 | PLATE, oil pan baffle, No.1                      | 1  | MF10.10L |
| 34 | 90116-08014 | BOLT, stud                                       | 2  | MF10.10L |
| 35 | 12101-88111 | PAN SUB-ASSY, oil, No.1                          | 1  | MF10.10L |
| 36 | 12141-88110 | GUIDE, oil level gage                            | 1  | MF10.10L |
| 37 | 90072-40404 | UNION                                            | 1  | MF10.10L |
| 38 | 94541-00800 | WASHER, wave (8)                                 | 26 |          |
| 39 | 93180-18036 | SCREW (hex-hd. 8-1.25p x 36)                     | 4  |          |
| 40 | 93180-18022 | SCREW (hex-hd. 8-1.25p x 22)                     | 20 |          |
| 41 | 12102-88110 | PAN SUB-ASSY, oil, No.2                          | 1  | MF10.10L |
| 42 | 90072-43001 | GASKET                                           | 1  | MF10.10L |
| 43 | 90072-34101 | PLUG, w/head straight screw                      | 1  | MF10.10L |
| 44 | 12152-88110 | GASKET, oil pan, No.2                            | 2  | MF10.10L |
| 45 | 91111-40818 | BOLT (hex-hd. 8-1.25p x 18)                      | 6  |          |
| 46 | 94110-40800 | NUT (hex. 8-1.25p)                               | 2  |          |

ENGINE

FIG.-11 TIMING CHAIN COVER & REAR END PLATE



A 1267

ILLUSTRATION PART NO.

NOMENCLATURE

PER VEHICLE MODEL

## TIMING CHAIN COVER &amp; REAR END PLATE

(FIG.11)

|    |             |                                               |    |          |
|----|-------------|-----------------------------------------------|----|----------|
| 1  | 90341-32028 | PLUG, w/head straight screw .....             | 1  | MF10.10L |
| 2  | 90430-33133 | GASKET .....                                  | 1  | MF10.10L |
| 3  | 94541-00800 | WASHER, wave (8) .....                        | 15 |          |
| 4  | 94110-40800 | NUT (hex. 8-1.25p) .....                      | 4  |          |
| 5  | 91111-40822 | BOLT (hex-hd. 8-1.25p x 22) .....             | 2  |          |
| 6  | 91111-40850 | BOLT (hex-hd. 8-1.25p x 50) .....             | 2  |          |
| 7  | 94512-00800 | WASHER, spring (8) .....                      | 7  |          |
| 8  | 91111-40816 | BOLT (hex-hd. 8-1.25p x 16) .....             | 2  |          |
| 9  | 11355-41010 | PLATE, rear end .....                         | 1  | MF10.10L |
| 10 | 11383-41010 | GASKET, oil seal retainer .....               | 1  | MF10.10L |
| 11 | 11381-41010 | RETAINER, oil seal .....                      | 1  | MF10.10L |
| 12 | 90072-31101 | SEAL, type "T" oil .....                      | 1  | MF10.10L |
| 13 | 91111-40871 | BOLT (hex-hd. 8-1.25p x 71) .....             | 2  |          |
| 14 | 11302-88110 | COVER SUB-ASSY, timing chain .....            | 1  | MF10.10L |
| 15 | 90311-45069 | SEAL, type "T" oil .....                      | 1  | MF10.10L |
| 16 | 90072-33002 | PLUG, expansion (D=30) .....                  | 1  | MF10.10L |
| 17 | 90072-38401 | BUSH, bimetal formed .....                    | 1  | MF10.10L |
| 18 | 90330-20011 | PLUG, expansion (D=20) .....                  | 1  | MF10.10L |
| 19 | 90072-38101 | BUSH, solid .....                             | 1  | MF10.10L |
| 20 | 90116-08010 | BOLT, stud .....                              | 1  | MF10.10L |
| 21 | 90072-10118 | BOLT, hexagon .....                           | 1  | MF10.10L |
| 22 | 91111-41056 | BOLT (hex-hd. 10-1.25p x 56) .....            | 1  |          |
| 23 | 94541-01000 | WASHER, wave (10) .....                       | 1  |          |
| 24 | 90072-11001 | BOLT, hexagon socket head cap .....           | 1  | MF10.10L |
| 25 | 11338-88110 | GASKET, timing chain cover, No.2 .....        | 1  | MF10.10L |
| 26 | 11328-88110 | GASKET, timing chain cover, No.1 .....        | 1  | MF10.10L |
| 27 | 11366-41010 | SEAL, flywheel housing under cover dust ..... | 1  | MF10.10L |
| 28 | 11361-88110 | COVER, flywheel housing under .....           | 1  | MF10.10L |
| 29 | 91111-40812 | BOLT (hex-hd. 8-1.25p x 12) .....             | 4  |          |
| 30 | 91111-40828 | BOLT (hex-hd. 8-1.25p x 28) .....             | 5  |          |

FIG.-12 CRANKSHAFT & CONNECTING ROD

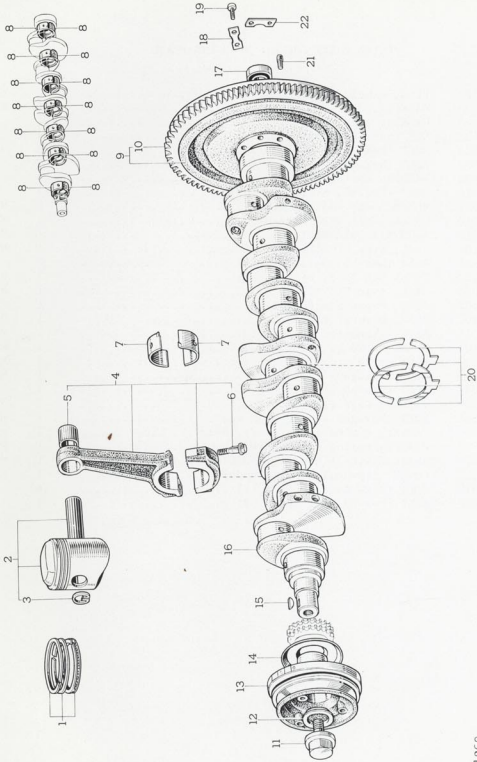




ILLUSTRATION PART NO.

## NOMENCLATURE

PER  
VEHICLE MODEL

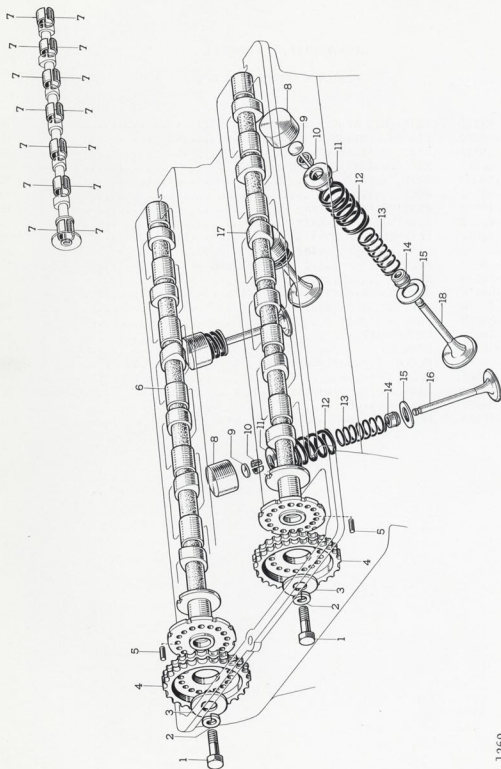
CRANKSHAFT, FLYWHEEL,

PISTON &amp; CONNECTING ROD

(FIG.12)

|    |             |                                       |    |          |
|----|-------------|---------------------------------------|----|----------|
| 1  | 13011-88110 | RING SET, piston .....                | 1  | MF10.10L |
| 2  | 13101-88110 | PISTON SUB-ASSY, w/pin .....          | 6  | MF10.10L |
| 3  | 90521-25052 | RING, hole snap .....                 | 12 | MF10.10L |
| 4  | 13201-41010 | ROD SUB-ASSY, connecting .....        | 6  | MF10.10L |
| 5  | 90999-70057 | BUSH, solid .....                     | 6  | MF10.10L |
| 6  | 90910-02018 | BOLT .....                            | 12 | MF10.10L |
| 7  | 13281-41010 | BEARING, connecting rod .....         | 12 | MF10.10L |
| 8  | 11711-41010 | BEARING, crankshaft .....             | 14 | MF10.10L |
| 9  | 13405-41010 | FLYWHEEL SUB-ASSY .....               | 1  | MF10.10L |
| 10 | 13453-20010 | GEAR, flywheel ring (N=115) .....     | 1  | MF10.10L |
| 11 | 90105-12007 | BOLT, washer based head hexagon ..... | 1  | MF10.10L |
| 12 | 90209-29049 | WASHER .....                          | 1  | MF10.10L |
| 13 | 13407-88110 | DAMPER SUB-ASSY, crankshaft .....     | 1  | MF10.10L |
| 14 | 13435-41010 | SLINGER, crankshaft oil .....         | 1  | MF10.10L |
| 15 | 90280-05010 | KEY, woodruff .....                   | 1  | MF10.10L |
| 16 | 13411-41010 | CRANKSHAFT .....                      | 1  | MF10.10L |
| 17 | 97143-06201 | BEARING .....                         | 1  | MF10.10L |
| 18 | 13456-41010 | PLATE, flywheel bolt lock, No.2 ..... | 1  | MF10.10L |
| 19 | 90101-10061 | BOLT, hexagon .....                   | 6  | MF10.10L |
| 20 | 11011-40010 | WASHER SET, crankshaft .....          | 1  | MF10.10L |
| 21 | 90250-08054 | PIN, straight .....                   | 2  | MF10.10L |
| 22 | 13455-41010 | PLATE, flywheel bolt lock, No.1 ..... | 2  | MF10.10L |

FIG.-13 CAMSHAFT &amp; VALVE

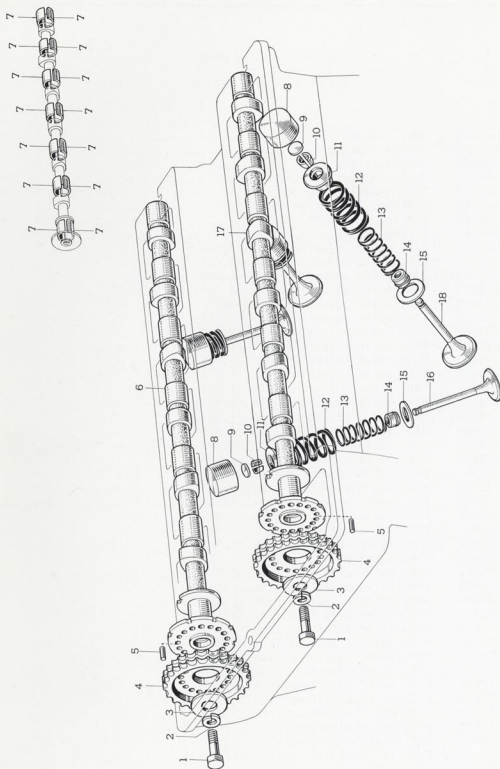


A 1269

| ILLUSTRATION | PART NO.    | NOMENCLATURE                       | PER VEHICLE | MODEL         |
|--------------|-------------|------------------------------------|-------------|---------------|
|              |             | CAMSHAFT, TIMING GEAR,             |             |               |
|              |             | VALVE & VALVE SPRING               |             |               |
| (FIG.13)     |             |                                    |             |               |
| 1            | 90072-40101 | BOLT, union .....                  | 2           | MF10.10L      |
| 2            | 94512-01200 | WASHER, spring (12) .....          | 2           |               |
| 3            | 90201-13164 | WASHER, plate .....                | 2           | MF10.10L      |
| 4            | 13523-88110 | GEAR, camshaft timing (N=28) ..... | 2           | MF10.10L      |
| 5            | 90072-25003 | PIN, straight .....                | 2           | MF10.10L      |
| 6            | 13512-88110 | CAMSHAFT, No.2 (For exhaust) ..... | 1           | MF10.10L      |
| 7            | 11811-88110 | BEARING, camshaft .....            | 28          | MF10.10L      |
| 8            | 13751-88110 | LIFTER, valve .....                | 12          | MF10.10L      |
| 9            | 90072-72601 | PAD, valve adjusting (thk.=1.00)   | } .....     | 0-12 MF10.10L |
|              | 90072-72602 | PAD, valve adjusting (thk.=1.025)  |             |               |
|              | 90072-72603 | PAD, valve adjusting (thk.=1.05)   |             |               |
|              | 90072-72604 | PAD, valve adjusting (thk.=1.075)  |             |               |
|              | 90072-72605 | PAD, valve adjusting (thk.=1.10)   |             |               |
|              | 90072-72606 | PAD, valve adjusting (thk.=1.125)  |             |               |
|              | 90072-72607 | PAD, valve adjusting (thk.=1.15)   |             |               |
|              | 90072-72608 | PAD, valve adjusting (thk.=1.175)  |             |               |
|              | 90072-72609 | PAD, valve adjusting (thk.=1.20)   |             |               |
|              | 90072-72610 | PAD, valve adjusting (thk.=1.225)  |             |               |
|              | 90072-72611 | PAD, valve adjusting (thk.=1.25)   |             |               |
|              | 90072-72612 | PAD, valve adjusting (thk.=1.275)  |             |               |
|              | 90072-72613 | PAD, valve adjusting (thk.=1.30)   |             |               |
|              | 90072-72614 | PAD, valve adjusting (thk.=1.325)  |             |               |
|              | 90072-72615 | PAD, valve adjusting (thk.=1.35)   |             |               |
|              | 90072-72616 | PAD, valve adjusting (thk.=1.375)  |             |               |
|              | 90072-72617 | PAD, valve adjusting (thk.=1.40)   |             |               |
|              | 90072-72618 | PAD, valve adjusting (thk.=1.425)  |             |               |
|              | 90072-72619 | PAD, valve adjusting (thk.=1.45)   |             |               |
|              | 90072-72620 | PAD, valve adjusting (thk.=1.475)  |             |               |
|              | 90072-72621 | PAD, valve adjusting (thk.=1.50)   |             |               |
|              | 90072-72622 | PAD, valve adjusting (thk.=1.525)  |             |               |
|              | 90072-72623 | PAD, valve adjusting (thk.=1.55)   |             |               |
|              | 90072-72624 | PAD, valve adjusting (thk.=1.575)  |             |               |
|              | 90072-72625 | PAD, valve adjusting (thk.=1.60)   |             |               |
|              | 90072-72626 | PAD, valve adjusting (thk.=1.625)  |             |               |
|              | 90072-72627 | PAD, valve adjusting (thk.=1.65)   |             |               |
|              | 90072-72628 | PAD, valve adjusting (thk.=1.675)  |             |               |
|              | 90072-72629 | PAD, valve adjusting (thk.=1.70)   |             |               |
|              | 90072-72630 | PAD, valve adjusting (thk.=1.725)  |             |               |
|              | 90072-72631 | PAD, valve adjusting (thk.=1.75)   |             |               |
|              | 90072-72632 | PAD, valve adjusting (thk.=1.775)  |             |               |
|              | 90072-72633 | PAD, valve adjusting (thk.=1.80)   |             |               |
|              | 90072-72634 | PAD, valve adjusting (thk.=1.825)  |             |               |
|              | 90072-72635 | PAD, valve adjusting (thk.=1.850)  |             |               |
|              | 90072-72636 | PAD, valve adjusting (thk.=1.875)  |             |               |
|              | 90072-72637 | PAD, valve adjusting (thk.=1.900)  |             |               |
| 10           | 90913-03005 | LOCK, valve spring retainer .....  | 24          | MF10.10L      |
| 11           | 13741-88110 | RETAINER, valve spring .....       | 12          | MF10.10L      |



FIG.-13 CAMSHAFT &amp; VALVE



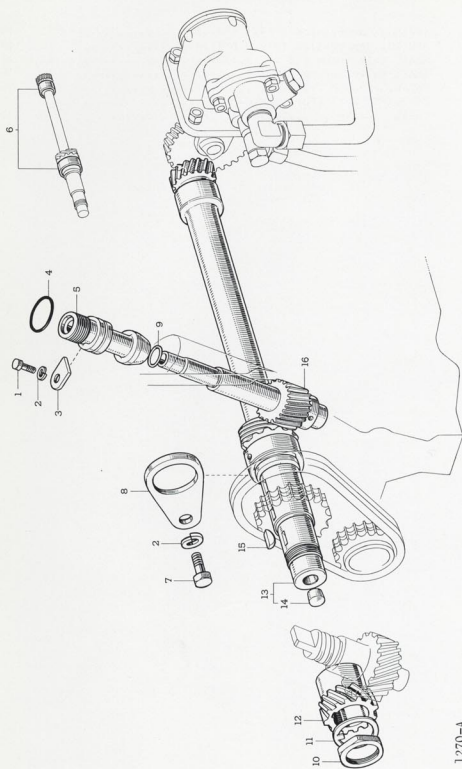
# Toyota 2000 GT

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| ILLUS-<br>TRATION | PART NO.    | NOMENCLATURE                                   | P E R<br>VEHICLE | MODEL    |
|-------------------|-------------|------------------------------------------------|------------------|----------|
| (FIG.13)          |             |                                                |                  |          |
| 12                | 90072-50111 | SPRING, compression ( $\phi=4.5$ L=41.8) ..... | 12               | MF10.10L |
| 13                | 90072-50112 | SPRING, compression ( $\phi=2.9$ L=41.0) ..... | 12               | MF10.10L |
| 14                | 90913-02006 | SEAL, valve stem oil .....                     | 12               | MF10.10L |
| 15                | 13734-88201 | SEAT, valve spring .....                       | 12               | MF10.10L |
| 16                | 13715-88110 | VALVE, exhaust .....                           | 6                | MF10.10L |
| 17                | 13511-88110 | CAMSHAFT, No.1 (For intake) .....              | 1                | MF10.10L |
| 18                | 13711-88110 | VALVE, intake .....                            | 6                | MF10.10L |

ENGINE

FIG.-14 PUMP DRIVE SHAFT &amp; TACHOMETER SHAFT



A 1270-A

ILLUS-  
TRATION PART NO.

NOMENCLATURE

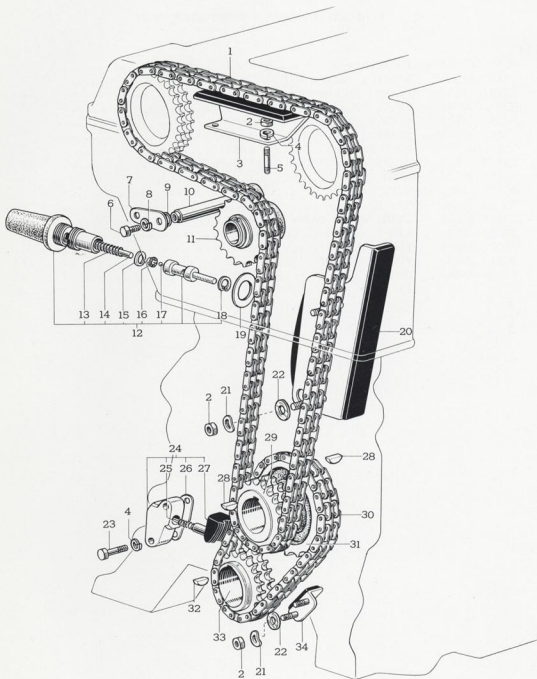
PER  
VEHICLE MODEL

## PUMP DRIVE SHAFT & TACHOMETER SHAFT

(FIG.14)

|    |             |                                               |   |          |
|----|-------------|-----------------------------------------------|---|----------|
| 1  | 91111-40816 | BOLT (hex-hd. 8-1.25p x 16) .....             | 1 |          |
| 2  | 94512-00800 | WASHER, spring (8) .....                      | 2 |          |
| 3  | 12532-88110 | PLATE, tachometer sleeve lock .....           | 1 | MF10.10L |
| 4  | 90072-30102 | RING, "O" .....                               | 1 | MF10.10L |
| 5  | 12531-88110 | SLEEVE, tachometer shaft .....                | 1 | MF10.10L |
| 6  | 11021-41010 | BEARING SET, pump drive shaft .....           | 1 | MF10.10L |
| 7  | 91111-40818 | BOLT (hex-hd. 8-1.25p x 18) .....             | 1 |          |
| 8  | 13574-88110 | PLATE, pump drive shaft thrust .....          | 1 | MF10.10L |
| 9  | 90072-30106 | RING, "O" .....                               | 1 | MF10.10L |
| 10 | 90072-17002 | NUT, hexagon .....                            | 1 | MF10.10L |
| 11 | 90072-21501 | WASHER, lock .....                            | 1 | MF10.10L |
| 12 | 13515-88110 | GEAR, distributor drive (N=12) .....          | 1 | MF10.10L |
| 13 | 13602-88111 | SHAFT SUB-ASSY, pump drive .....              | 1 | MF10.10L |
| 14 | 90072-33604 | PLUG, taper .....                             | 1 | MF10.10L |
| 15 | 90280-05008 | KEY, woodruff .....                           | 1 | MF10.10L |
| 16 | 13609-88110 | GEAR SUB-ASSY, tachometer driven (N=24) ..... | 1 | MF10.10L |

FIG.-15 TIMING CHIN &amp; DAMPER



A 1271



ILLUS-  
TRATION PART NO.

## NOMENCLATURE

P E R  
VEHICLE MODELTIMING CHAIN, TENSION GEAR,  
CHAIN TENSIONER & DAMPER

(FIG.15)

|    |             |                                      |     |          |
|----|-------------|--------------------------------------|-----|----------|
| 1  | 13507-88110 | CHAIN SUB-ASSY, No.2 .....           | 1   | MF10.10L |
| 2  | 94110-40800 | NUT (hex. 8-1.25p) .....             | 6   |          |
| 3  | 13561-88110 | DAMPER, chain vibration, No.1 .....  | 1   | MF10.10L |
| 4  | 94512-00800 | WASHER, spring (8) .....             | 4   |          |
| 5  | 90116-08039 | BOLT, stud .....                     | 2   | MF10.10L |
| 6  | 91111-40610 | BOLT (hex-hd. 6-1.0p x 10) .....     | 2   |          |
| 7  | 13597-88110 | PLATE, tension gear arm shaft .....  | 1   | MF10.10L |
| 8  | 94512-00600 | WASHER, spring (6) .....             | 2   |          |
| 9  | 90072-30103 | RING, "O" .....                      | 1   | MF10.10L |
| 10 | 13594-88110 | SHAFT, tension gear arm .....        | 1   | MF10.10L |
| 11 | 13520-88110 | GEAR ASSY, tension (N=19) .....      | 1   | MF10.10L |
| 12 | 13540-88110 | TENSIONER ASSY, chain, No.1 .....    | 1   | MF10.10L |
| 13 | 90072-50104 | SPRING, compression .....            | 1   | MF10.10L |
| 14 | 13544-41010 | BAR, chain tensioner .....           | 1   | MF10.10L |
| 15 | 90072-56002 | SPACER .....                         | 1   | MF10.10L |
| 16 | 13543-41010 | RETAINER, check ball .....           | 1   | MF10.10L |
| 17 | 90360-06007 | BALL .....                           | 1   | MF10.10L |
| 18 | 90521-16084 | RING, hole snap .....                | 1   | MF10.10L |
| 19 | 90430-22135 | GASKET (thk.=1.6~2.0) .....          | 0~1 | MF10.10L |
|    | 90072-43006 | GASKET (thk.=0.5) .....              |     |          |
|    | 90072-43007 | GASKET (thk.=1.0) .....              |     |          |
| 20 | 13560-88110 | DAMPER ASSY, chain .....             | 1   | MF10.10L |
| 21 | 94541-00800 | WASHER, wave (8) .....               | 4   |          |
| 22 | 90072-43002 | GASKET .....                         | 4   | MF10.10L |
| 23 | 91111-40840 | BOLT (hex-hd. 8-1.25p x 40) .....    | 2   |          |
| 24 | 13550-88110 | TENSIONER ASSY, chain, No.2 .....    | 1   | MF10.10L |
| 25 | 90072-50105 | SPRING, compression .....            | 1   | MF10.10L |
| 26 | 13552-88110 | GASKET, chain tensioner .....        | 1   | MF10.10L |
| 27 | 13559-88110 | SLIPPER, chain tensioner .....       | 1   | MF10.10L |
| 28 | 90280-05008 | KEY, woodruff .....                  | 2   | MF10.10L |
| 29 | 13528-88110 | GEAR, camshaft drive (N=21) .....    | 1   | MF10.10L |
| 30 | 13506-88110 | CHAIN SUB-ASSY, No.1 .....           | 1   | MF10.10L |
| 31 | 13522-41010 | GEAR, pump drive shaft (N=30) .....  | 1   | MF10.10L |
| 32 | 90280-05010 | KEY, woodruff .....                  | 1   | MF10.10L |
| 33 | 13521-88110 | GEAR, crankshaft timing (N=20) ..... | 1   | MF10.10L |
| 34 | 13563-88110 | DAMPER, chain vibration, No.3 .....  | 1   | MF10.10L |

FIG.-16 OIL PUMP &amp; OIL REGULATOR

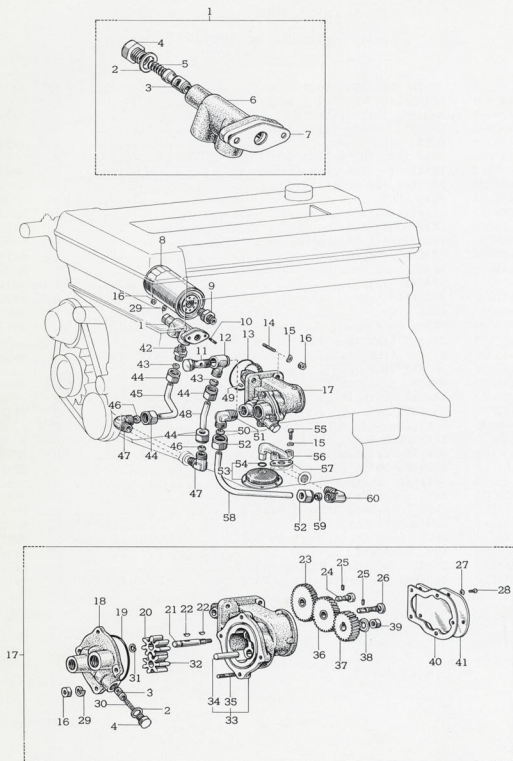


ILLUSTRATION PART NO.

## NOMENCLATURE

PER VEHICLE MODEL

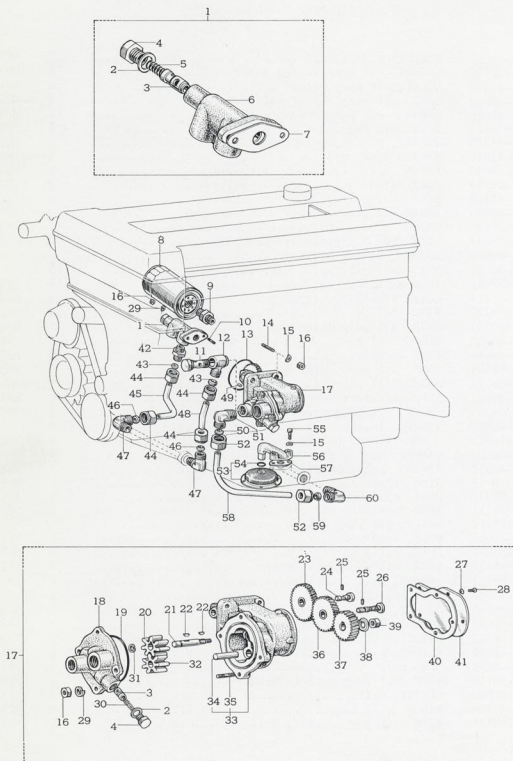
## OIL PUMP &amp; OIL REGULATOR

(FIG.16)

|    |             |                                              |    |          |
|----|-------------|----------------------------------------------|----|----------|
| 1  | 15310-88111 | REGULATOR ASSY, oil .....                    | 1  | MF10.10L |
| 2  | 15134-20010 | GASKET, oil pump releaf valve .....          | 2  | MF10.10L |
| 3  | 15131-41010 | VALVE, oil pump releaf .....                 | 2  | MF10.10L |
| 4  | 15133-20010 | PLUG, oil pump releaf valve .....            | 2  | MF10.10L |
| 5  | 15132-40010 | SPRING, oil pump releaf valve .....          | 1  | MF10.10L |
| 6  | 15311-88111 | BODY, oil regulator .....                    | 1  | MF10.10L |
| 7  | 15318-88110 | GASKET, oil regulator body .....             | 1  | MF10.10L |
| 8  | 15600-41010 | FILTER ASSY, oil .....                       | 1  | MF10.10L |
| 9  | 90404-20097 | UNION .....                                  | 1  | MF10.10L |
| 10 | 90116-08014 | BOLT, stud .....                             | 2  | MF10.10L |
| 11 | 90072-40104 | BOLT, union .....                            | 1  | MF10.10L |
| 12 | 90072-40504 | UNION .....                                  | 1  | MF10.10L |
| 13 | 90072-30109 | RING, "0" .....                              | 1  | MF10.10L |
| 14 | 90116-08014 | BOLT (For oil pump set) .....                | 2  | MF10.10L |
| 15 | 94541-00800 | WASHER, wave (8) .....                       | 8  |          |
| 16 | 94110-40800 | NUT (hex. 8-1.25p) .....                     | 10 |          |
| 17 | 15100-88111 | PUMP ASSY, oil .....                         | 1  | MF10.10L |
| 18 | 15012-88111 | COVER SUB-ASSY, oil pump .....               | 1  | MF10.10L |
| 19 | 15119-88111 | RING, "0" .....                              | 1  | MF10.10L |
| 20 | 15121-88111 | GEAR, oil pump drive (N=7) .....             | 1  | MF10.10L |
| 21 | 15125-88111 | SHAFT, oil pump .....                        | 1  | MF10.10L |
| 22 | 90280-03005 | KEY, woodruff .....                          | 2  | MF10.10L |
| 23 | 15165-88111 | GEAR, oil pump idle, No.1 (N=35) .....       | 1  | MF10.10L |
| 24 | 15161-88111 | SHAFT, oil pump idle, No.1 .....             | 1  | MF10.10L |
| 25 | 15183-88111 | PLUG, straight screw .....                   | 4  | MF10.10L |
| 26 | 15162-88111 | SHAFT, oil pump idle, No.2 .....             | 1  | MF10.10L |
| 27 | 94524-00600 | WASHER, toothed (6) .....                    | 5  |          |
| 28 | 93120-16012 | SCREW (fl-hd. 6-1.0p x 12) .....             | 5  |          |
| 29 | 94512-00800 | WASHER, spring (8) .....                     | 4  |          |
| 30 | 15132-46010 | SPRING, oil pump releaf valve .....          | 1  | MF10.10L |
| 31 | 15114-46011 | RING, shaft snap .....                       | 1  | MF10.10L |
| 32 | 15122-79410 | GEAR, oil pump driven (N=7) .....            | 1  | MF10.10L |
| 33 | 15101-88111 | BODY SUB-ASSY, oil pump .....                | 1  | MF10.10L |
| 34 | 15126-79410 | SHAFT, oil pump driven .....                 | 1  | MF10.10L |
| 35 | 92121-40816 | BOLT, stud .....                             | 4  | MF10.10L |
| 36 | 15166-88111 | GEAR, oil pump idle, No.2 (N=32) .....       | 1  | MF10.10L |
| 37 | 15163-88111 | GEAR, oil pump drive shaft (N=24) .....      | 1  | MF10.10L |
| 38 | 15187-88111 | WASHER, claw .....                           | 1  | MF10.10L |
| 39 | 94120-41000 | NUT (hex. 10-1.25p) .....                    | 1  |          |
| 40 | 15159-88111 | GASKET, oil pump gear cover (thk.=0.5) ..... | 1  | MF10.10L |
| 41 | 15158-88111 | COVER, oil pump gear .....                   | 1  | MF10.10L |
| 42 | 90072-40405 | UNION .....                                  | 1  | MF10.10L |
| 43 | 90072-41001 | SLEEVE, ball .....                           | 2  | MF10.10L |
| 44 | 90072-40201 | NUT, union .....                             | 4  | MF10.10L |
| 45 | 15423-88110 | PIPE, oil pump outlet, No.2 .....            | 1  | MF10.10L |
| 46 | 90072-41003 | SLEEVE, ball .....                           | 2  | MF10.10L |
| 47 | 90072-40704 | ELBOW .....                                  | 2  | MF10.10L |
| 48 | 15413-88111 | PIPE, oil pump outlet, No.1 .....            | 1  | MF10.10L |

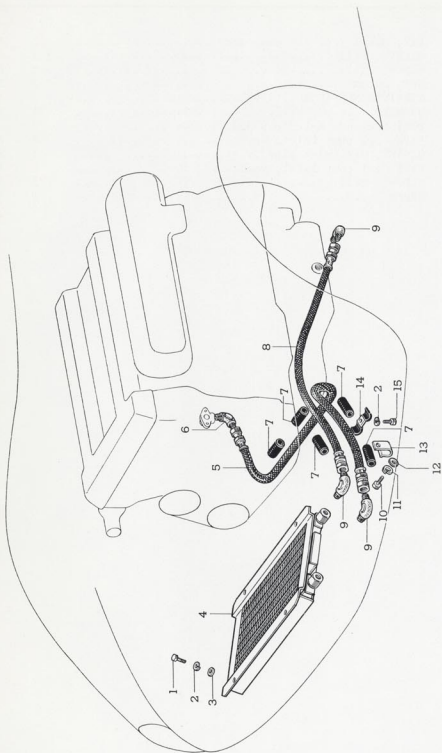


FIG.-16 OIL PUMP &amp; OIL REGULATOR



| ILLUS-<br>TRATION | PART NO.    | NOMENCLATURE                        | P E R<br>VEHICLE | MODEL    |
|-------------------|-------------|-------------------------------------|------------------|----------|
| (FIG.16)          |             |                                     |                  |          |
| 49                | 90250-08074 | PIN, dowel (For oil pump set) ..... | 2                | MF10.10L |
| 50                | 90072-41002 | SLEEVE, ball .....                  | 1                | MF10.10L |
| 51                | 90072-40705 | ELBOW .....                         | 1                | MF10.10L |
| 52                | 90072-40202 | NUT, union .....                    | 2                | MF10.10L |
| 53                | 15104-88201 | STRAINER SUB-ASSY .....             | 1                | MF10.10L |
| 54                | 90072-48003 | GROMMET .....                       | 1                | MF10.10L |
| 55                | 91111-40832 | BOLT (hex-hd. 8-1.25p x 32) .....   | 2                |          |
| 56                | 15412-88110 | PIPE, oil pump inlet, No.2 .....    | 1                | MF10.10L |
| 57                | 15426-88110 | GASKET, oil inlet pipe .....        | 1                | MF10.10L |
| 58                | 15411-88110 | PIPE, oil pump inlet, No.1 .....    | 1                | MF10.10L |
| 59                | 90072-41004 | SLEEVE, ball .....                  | 1                | MF10.10L |
| 60                | 90072-40706 | ELBOW .....                         | 1                | MF10.10L |

FIG.-17 OIL COOLER &amp; FLEXIBLE HOSE



A 1273-A

ILLUS-  
TRATION PART NO.

NOMENCLATURE

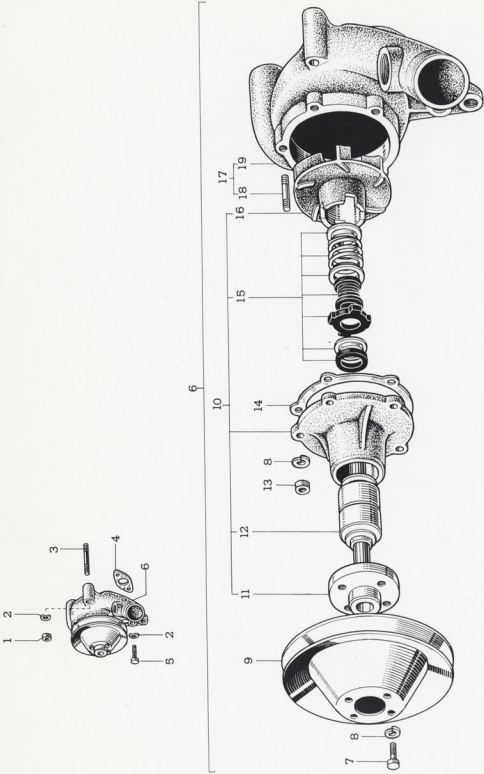
P E R  
VEHICLE MODEL

## OIL COOLER &amp; FLEXIBLE HOSE

(FIG.17)

|    |             |                                   |   |          |
|----|-------------|-----------------------------------|---|----------|
| 1  | 91111-40816 | BOLT (hex-hd. 8-1.25p x 16) ..... | 4 |          |
| 2  | 94512-00800 | WASHER, spring (8) .....          | 5 |          |
| 3  | 94612-10800 | WASHER, plate (8 x 1.6) .....     | 4 |          |
| 4  | 15710-88110 | COOLER ASSY, oil .....            | 1 | MF10.10L |
| 5  | 90072-73301 | HOSE, flexible (L=1250) .....     | 1 | MF10.10L |
| 6  | 90072-40702 | ELBOW .....                       | 1 | MF10.10L |
| 7  | 90072-48001 | GROMMET .....                     | 5 | MF10.10L |
| 8  | 90072-73303 | HOSE, flexible (L=760) .....      | 1 | MF10.10L |
| 9  | 90072-40703 | ELBOW .....                       | 3 | MF10.10L |
| 10 | 93180-16012 | SCREW (hex-hd. 6-1.0p x 12) ..... | 1 |          |
| 11 | 94511-00600 | WASHER, spring (6) .....          | 1 |          |
| 12 | 94611-10600 | WASHER, plate (6 x 1.0) .....     | 1 |          |
| 13 | 90072-46107 | CLAMP .....                       | 1 | MF10.10L |
| 14 | 90072-46203 | CLAMP .....                       | 1 | MF10.10L |
| 15 | 91111-40818 | BOLT (hex-hd. 8-1.25p x 18) ..... | 1 |          |

FIG.-18 WATER PUMP



A 1274-A



# Toyota 2000 GT

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ILLUS-  
TRATION PART NO.

NOMENCLATURE

P E R  
VEHICLE MODEL

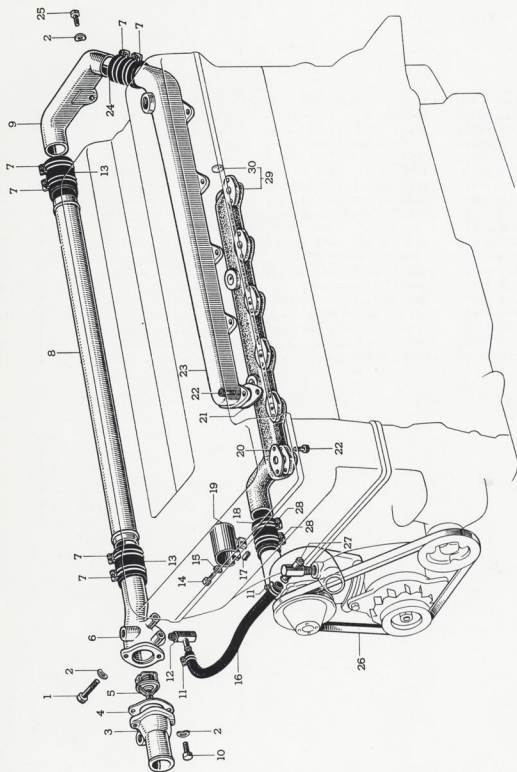
## WATER PUMP

(FIG.18)

|    |             |                                   |   |          |
|----|-------------|-----------------------------------|---|----------|
| 1  | 94110-40800 | NUT (hex. 8-1.25p) .....          | 1 |          |
| 2  | 94541-00800 | WASHER, wave (8) .....            | 3 |          |
| 3  | 90072-11604 | BOLT, stud .....                  | 1 | MF10.10L |
| 4  | 16271-41010 | GASKET, water pump .....          | 1 | MF10.10L |
| 5  | 91111-40856 | BOLT (hex-hd. 8-1.25p x 56) ..... | 2 |          |
| 6  | 16100-88110 | PUMP ASSY, water .....            | 1 | MF10.10L |
| 7  | 91111-40612 | BOLT (hex-hd. 6-1.0p x 12) .....  | 4 |          |
| 8  | 94512-00600 | WASHER, spring (6) .....          | 9 |          |
| 9  | 16173-88110 | PULLEY, water pump .....          | 1 | MF10.10L |
| 10 | 16120-88110 | COVER ASSY, water pump .....      | 1 | MF10.10L |
| 11 | 16171-20010 | SEAT, water pump pulley .....     | 1 | MF10.10L |
| 12 | 90369-30001 | BEARING, water pump .....         | 1 | MF10.10L |
| 13 | 94110-40600 | NUT (hex. 6-1.0p) .....           | 5 |          |
| 14 | 16124-40010 | GASKET, water pump .....          | 1 | MF10.10L |
| 15 | 16104-30011 | SEAL SET, water pump .....        | 1 | MF10.10L |
| 16 | 16131-88110 | ROTOR, water pump .....           | 1 | MF10.10L |
| 17 | 16101-88110 | BODY SUB-ASSY, water pump .....   | 1 | MF10.10L |
| 18 | 16193-20010 | BOLT, stud .....                  | 5 | MF10.10L |
| 19 | 16111-88110 | BODY, water pump .....            | 1 | MF10.10L |

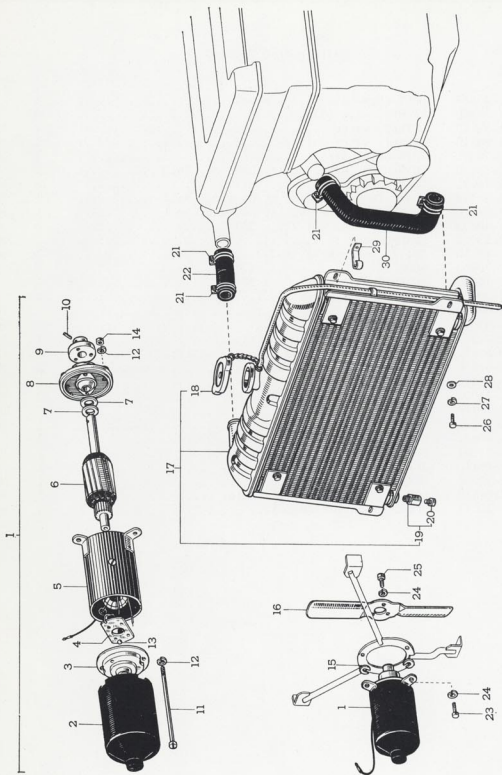
ENGINE

FIG. -19 WATER HOSE &amp; HOUSING



| ILLUS-<br>TRATION    | PART NO.    | NOMENCLATURE                                | PER<br>VEHICLE | MODEL    |
|----------------------|-------------|---------------------------------------------|----------------|----------|
| WATER HOSE & HOUSING |             |                                             |                |          |
| (FIG.19)             |             |                                             |                |          |
| 1                    | 91111-40863 | BOLT (hex-hd. 8-1.25p x 63) .....           | 2              |          |
| 2                    | 94541-00800 | WASHER, wave (8) .....                      | 5              |          |
| 3                    | 16331-88110 | OUTLET, water .....                         | 1              | MF10.10L |
| 4                    | 16341-88110 | GASKET, water outlet .....                  | 1              | MF10.10L |
| 5                    | 90072-74301 | THERMOSTAT ASSY .....                       | 1              | MF10.10L |
| 6                    | 16337-88110 | CONNECTOR, water outlet housing, No.3 ..... | 1              | MF10.10L |
| 7                    | 90072-46001 | CLAMP, hose .....                           | 6              | MF10.10L |
| 8                    | 16336-88110 | CONNECTOR, water outlet housing, No.2 ..... | 1              | MF10.10L |
| 9                    | 16335-88110 | CONNECTOR, water outlet housing, No.1 ..... | 1              | MF10.10L |
| 10                   | 91111-40825 | BOLT (hex-hd. 8-1.25p x 25) .....           | 2              |          |
| 11                   | 90460-23022 | CLAMP, hose .....                           | 2              | MF10.10L |
| 12                   | 16292-88110 | JOINT, water hose, No.2 .....               | 1              | MF10.10L |
| 13                   | 90072-70203 | HOSE .....                                  | 2              | MF10.10L |
| 14                   | 93180-16050 | SCREW (hex-hd. 6-1.0p x 50) .....           | 1              |          |
| 15                   | 94511-00600 | WASHER, spring (6) .....                    | 1              |          |
| 16                   | 16261-88110 | HOSE, water by-pass .....                   | 1              | MF10.10L |
| 17                   | 90072-44002 | TUBE .....                                  | 1              | MF10.10L |
| 18                   | 90072-70201 | HOSE .....                                  | 1              | MF10.10L |
| 19                   | 16279-88110 | PROTECTOR, hose heat .....                  | 1              | MF10.10L |
| 20                   | 16325-88110 | GASKET, water inlet housing .....           | 6              | MF10.10L |
| 21                   | 16343-88110 | GASKET, water outlet housing .....          | 5              | MF10.10L |
| 22                   | 90072-11002 | BOLT, hexagon socket head cap .....         | 22             | MF10.10L |
| 23                   | 16333-88110 | HOUSING, water outlet .....                 | 1              | MF10.10L |
| 24                   | 90072-70202 | HOSE .....                                  | 1              | MF10.10L |
| 25                   | 91111-40832 | BOLT (hex-hd. 8-1.25p x 32) .....           | 1              |          |
| 26                   | 90072-74201 | BELT, "Y" .....                             | 1              | MF10.10L |
| 27                   | 16291-88110 | JOINT, water hose, No.1 .....               | 1              | MF10.10L |
| 28                   | 90460-47036 | CLAMP, hose .....                           | 2              | MF10.10L |
| 29                   | 16302-88110 | HOUSING SUB-ASSY, water inlet .....         | 1              | MF10.10L |
| 30                   | 90330-20011 | PLUG, expansion (D=20) .....                | 4              | MF10.10L |

FIG.-20 RADIATOR & FAN



A 1276

ILLUS-  
TRATION PART NO.

## NOMENCLATURE

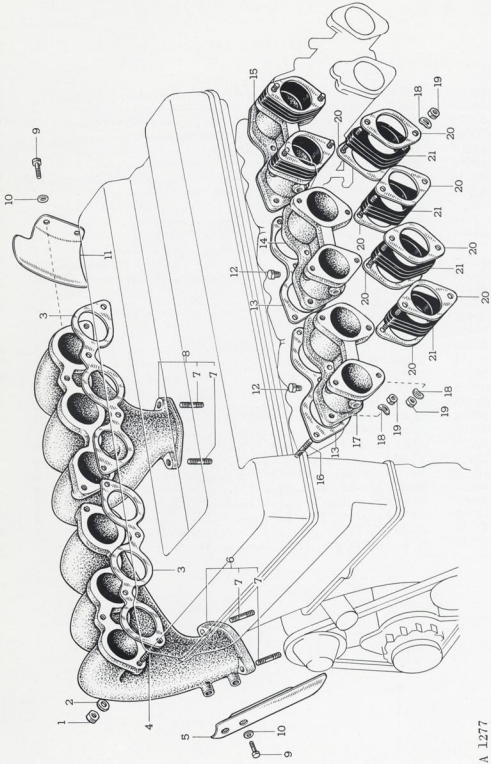
P E R  
VEHICLE MODEL

## RADIATOR &amp; FAN

(FIG.20)

|    |             |                                          |     |          |
|----|-------------|------------------------------------------|-----|----------|
| 1  | 85690-62010 | MOTOR ASSY, fan .....                    | 1   | MF10.10L |
| 2  | 85691-62010 | COVER, fan motor .....                   | 1   | MF10.10L |
| 3  | 85113-30020 | FRAME (For fan motor) .....              | 1   | MF10.10L |
| 4  | 85012-10010 | HOLDER SUB-ASSY (For fan motor) .....    | 1   | MF10.10L |
| 5  | 85602-62010 | STATOR SUB-ASSY, fan motor .....         | 1   | MF10.10L |
| 6  | 85601-62010 | ARMATURE SUB-ASSY, fan motor .....       | 1   | MF10.10L |
| 7  | 90099-01156 | WASHER .....                             | 2~4 | MF10.10L |
| 8  | 85604-62010 | HOLDER SUB-ASSY, fan motor bearing ..... | 1   | MF10.10L |
| 9  | 85693-62010 | SEAT, fan .....                          | 1   | MF10.10L |
| 10 | 85692-62010 | PIN, roll .....                          | 1   | MF10.10L |
| 11 | 90099-04202 | BOLT .....                               | 2   | MF10.10L |
| 12 | 90094-00502 | WASHER .....                             | 4   |          |
| 13 | 90099-12003 | BALL .....                               | 1   | MF10.10L |
| 14 | 90092-00503 | NUT .....                                | 2   |          |
| 15 | 90072-56419 | SHIM (thk.=1.0) } .....                  | 0~3 | MF10.10L |
|    | 90072-56420 | SHIM (thk.=1.6) }                        |     |          |
|    | 90072-56421 | SHIM (thk.=2.0) }                        |     |          |
|    | 90072-56422 | SHIM (thk.=2.3) }                        |     |          |
| 16 | 16361-88110 | FAN .....                                | 1   | MF10.10L |
| 17 | 16400-88111 | RADIATOR ASSY .....                      | 1   | MF10.10L |
| 18 | 16401-88110 | CAP SUB-ASSY, radiator .....             | 1   | MF10.10L |
| 19 | 90910-09045 | COCK ASSY, drain .....                   | 1   | MF10.10L |
| 20 | 90910-09046 | PLUG, drain cock .....                   | 1   | MF10.10L |
| 21 | 90460-50016 | CLAMP ASSY, radiator hose .....          | 4   | MF10.10L |
| 22 | 90072-74101 | HOSE, radiator .....                     | 1   | MF10.10L |
| 23 | 91111-40612 | BOLT (hex-hd. 6-1.0p x 12) .....         | 3   |          |
| 24 | 94511-00600 | WASHER, spring (6) .....                 | 6   |          |
| 25 | 91111-40610 | BOLT (hex-hd. 6-1.0p x 10) .....         | 3   |          |
| 26 | 91111-40816 | BOLT (hex-hd. 8-1.25p x 16) .....        | 4   |          |
| 27 | 94512-00800 | WASHER, spring (8) .....                 | 4   |          |
| 28 | 94612-10800 | WASHER, plate (8 x 1.6) .....            | 4   |          |
| 29 | 90072-46109 | CLAMP .....                              | 1   | MF10.10L |
| 30 | 16571-88110 | HOSE, radiator .....                     | 1   | MF10.10L |

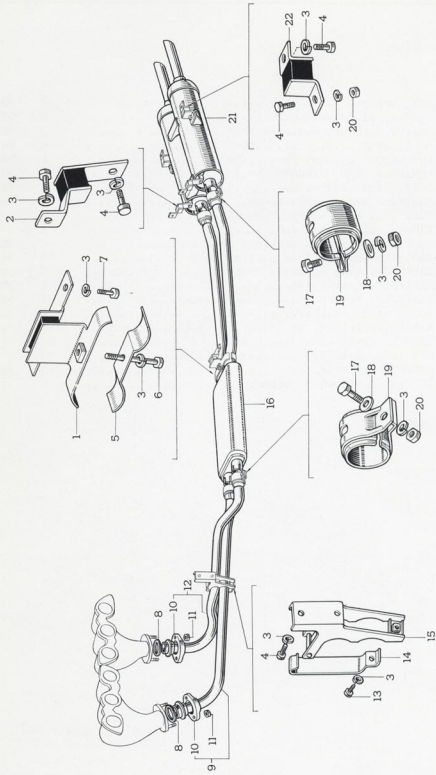
FIG. -21 MANIFOLD



A 1277

| ILLUS-<br>TRATION | PART NO.    | NOMENCLATURE                                   | P E R<br>VEHICLE | MODEL    |
|-------------------|-------------|------------------------------------------------|------------------|----------|
| MANIFOLD          |             |                                                |                  |          |
| (FIG. 21)         |             |                                                |                  |          |
| 1                 | 90170-08046 | NUT, hexagon .....                             | 8                | MF10.10L |
| 2                 | 90201-08084 | WASHER, plate .....                            | 8                | MF10.10L |
| 3                 | 17173-88111 | GASKET, exhaust manifold to head .....         | 2                | MF10.10L |
| 4                 | 90116-08018 | BOLT, stud .....                               | 8                | MF10.10L |
| 5                 | 17554-88110 | INSULATOR, exhaust front pipe .....            | 1                | MF10.10L |
| 6                 | 17140-88111 | MANIFOLD ASSY, exhaust, No.1 .....             | 1                | MF10.10L |
| 7                 | 90116-10042 | BOLT, stud .....                               | 4                | MF10.10L |
| 8                 | 17150-88111 | MANIFOLD ASSY, exhaust, No.2 .....             | 1                | MF10.10L |
| 9                 | 91111-40610 | BOLT (hex-hd. 6-1.0p x 10) .....               | 4                |          |
| 10                | 94612-10600 | WASHER, plate (6 x 1.0) .....                  | 4                |          |
| 11                | 17167-88110 | INSULATOR, exhaust manifold heat .....         | 1                | MF10.10L |
| 12                | 90345-51005 | PLUG, intake manifold suction hole .....       | 3                | MF10.10L |
| 13                | 17177-88110 | GASKET, intake manifold to head .....          | 3                | MF10.10L |
| 14                | 17112-88110 | MANIFOLD, intake, No.2 .....                   | 1                | MF10     |
| 15                | 17113-88110 | MANIFOLD, intake, No.3 .....                   | 1                | MF10     |
| 16                | 90116-08014 | BOLT, stud .....                               | 9                | MF10.10L |
| 17                | 17111-88110 | MANIFOLD, intake, No.1 .....                   | 1                | MF10     |
| 18                | 94541-00800 | WASHER, wave (8) .....                         | 33               |          |
| 19                | 94110-40800 | NUT (hex. 8-1.25p) .....                       | 33               |          |
| 20                | 21911-88110 | GASKET, carburetor .....                       | 12               | MF10.10L |
| 21                | 21909-88110 | INSULATOR SUB-ASSY, carburetor vibration ..... | 6                | MF10.10L |

FIG. -22 EXHAUST PIPE &amp; MUFFLER

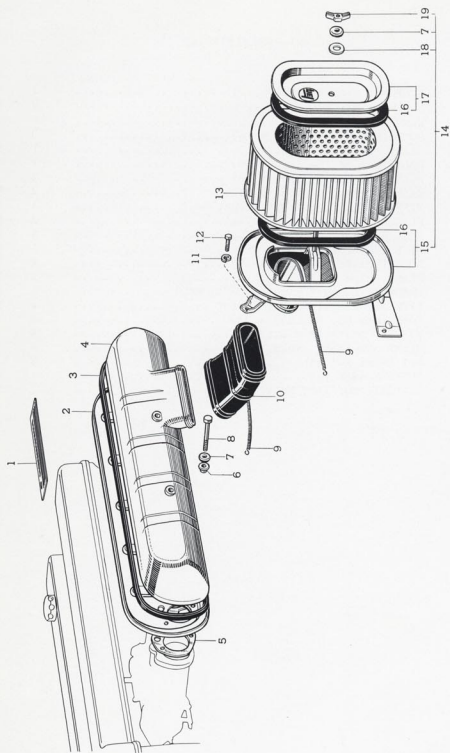


A 1278-A



| ILLUSTRATION           | PART NO.    | NOMENCLATURE                              | PER VEHICLE | MODEL    |
|------------------------|-------------|-------------------------------------------|-------------|----------|
| EXHAUST PIPE & MUFFLER |             |                                           |             |          |
| (FIG. 22)              |             |                                           |             |          |
| 1                      | 17561-88110 | SUPPORT, exhaust pipe .....               | 1           | MF10.10L |
| 2                      | 17566-88110 | SUPPORT, muffler, No.1 .....              | 2           | MF10.10L |
| 3                      | 94512-00800 | WASHER, spring (8) .....                  | 18          |          |
| 4                      | 91111-40816 | BOLT (hex-hd. 8-1.25p x 16) .....         | 10          |          |
| 5                      | 90072-75103 | CLAMP, exhaust pipe .....                 | 1           | MF10.10L |
| 6                      | 91111-40850 | BOLT (hex-hd. 8-1.25p x 50) .....         | 1           |          |
| 7                      | 91111-40818 | BOLT (hex-hd. 8-1.25p x 18) .....         | 2           |          |
| 8                      | 90917-06004 | GASKET, exhaust pipe .....                | 2           | MF10.10L |
| 9                      | 17401-88110 | PIPE SUB-ASSY, exhaust front, No.1 .....  | 1           | MF10.10L |
| 10                     | 17441-30010 | FLANGE, exhaust pipe .....                | 2           | MF10.10L |
| 11                     | 90170-10049 | NUT, hexagon .....                        | 4           | MF10.10L |
| 12                     | 17408-88110 | PIPE SUB-ASSY, exhaust front, No.2 .....  | 1           | MF10.10L |
| 13                     | 91111-40836 | BOLT (hex-hd. 8-1.25p x 36) .....         | 1           |          |
| 14                     | 17578-88110 | CLAMP, pipe .....                         | 1           | MF10.10L |
| 15                     | 17571-88110 | BRACKET, exhaust pipe support, No.1 ..... | 1           | MF10.10L |
| 16                     | 17403-88111 | PIPE SUB-ASSY, exhaust center .....       | 1           | MF10.10L |
| 17                     | 91111-40825 | BOLT (hex-hd. 8-1.25p x 25) .....         | 4           |          |
| 18                     | 94612-10800 | WASHER, plate (8 x 1.6) .....             | 4           |          |
| 19                     | 17504-50010 | CLAMP SUB-ASSY, exhaust pipe .....        | 4           | MF10.10L |
| 20                     | 94110-40800 | NUT (hex. 8-1.25p) .....                  | 7           |          |
| 21                     | 17510-88111 | MUFFLER ASSY .....                        | 1           | MF10.10L |
| 22                     | 17567-88110 | SUPPORT, muffler, No.2 .....              | 2           | MF10.10L |

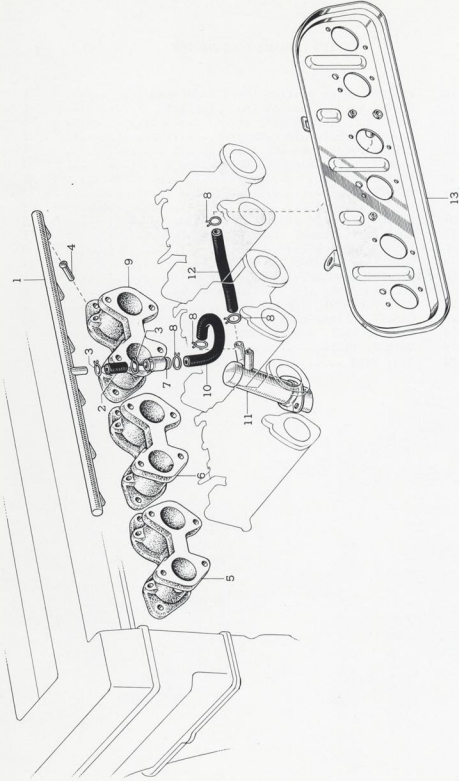
FIG.-23 AIR CLEANER &amp; CONNECTOR



A 1279-A

| ILLUS-<br>TRATION       | PART NO.    | NOMENCLATURE                                | P E R<br>VEHICLE | MODEL    |
|-------------------------|-------------|---------------------------------------------|------------------|----------|
| AIR CLEANER & CONNECTOR |             |                                             |                  |          |
| (FIG.23)                |             |                                             |                  |          |
| 1                       | 11293-88110 | PLATE, engine caution (Mark Japanese) ..... | 1                | MF10     |
|                         | 11293-88120 | PLATE, engine caution (Mark English) .....  | 1                | MF10.10L |
| 2                       | 17862-88110 | CONNECTOR, intake air, No.2 .....           | 1                | MF10     |
| 3                       | 17849-88110 | GASKET, intake air connector .....          | 1                | MF10.10L |
| 4                       | 17861-88111 | CONNECTOR, intake air, No.1 .....           | 1                | MF10.10L |
| 5                       | 17848-88110 | GASKET, air cleaner to carburetor .....     | 3                | MF10.10L |
| 6                       | 90072-20906 | WASHER .....                                | 2                | MF10.10L |
| 7                       | 90210-08004 | WASHER, seal .....                          | 3                | MF10.10L |
| 8                       | 90072-10118 | BOLT, hexagon .....                         | 2                | MF10.10L |
| 9                       | 90072-50601 | SPRING, tension .....                       | 2                | MF10.10L |
| 10                      | 17881-88111 | HOSE, air cleaner .....                     | 1                | MF10.10L |
| 11                      | 94512-00800 | WASHER, spring (8) .....                    | 3                |          |
| 12                      | 91111-40814 | BOLT (hex-hd. 8-1.25p x 14) .....           | 3                |          |
| 13                      | 17801-88110 | ELEMENT SUB-ASSY, air cleaner filter .....  | 1                | MF10.10L |
| 14                      | 17710-88112 | CLEANER ASSY, air, L/element .....          | 1                | MF10.10L |
| 15                      | 17701-88112 | CASE SUB-ASSY, air cleaner .....            | 1                | MF10.10L |
| 16                      | 17841-88110 | GASKET, filter element .....                | 2                | MF10.10L |
| 17                      | 17705-88110 | CAP SUB-ASSY, air cleaner .....             | 1                | MF10.10L |
| 18                      | 90201-08074 | WASHER, plate .....                         | 1                | MF10.10L |
| 19                      | 90175-08004 | NUT, wing .....                             | 1                | MF10.10L |

FIG. -24 ANTI-SMOG DEVICE (MF10L)



ILLUS-  
TRATION PART NO.

NOMENCLATURE

P E R  
VEHICLE MODEL

## ANTI-SMOG DEVICE (MF10L)

(FIG.24)

|    |             |                                      |   |     |
|----|-------------|--------------------------------------|---|-----|
| 1  | 17352-88111 | MANIFOLD, air injection, No.2 .....  | 1 | 10L |
| 2  | 90072-44513 | HOSE (L=39) .....                    | 1 | 10L |
| 3  | 90467-16016 | CLIP .....                           | 2 | 10L |
| 4  | 90072-40601 | UNION .....                          | 6 | 10L |
| 5  | 17111-88112 | MANIFOLD, intake, No.1 .....         | 1 | 10L |
| 6  | 17112-88112 | MANIFOLD, intake, No.2 .....         | 1 | 10L |
| 7  | 12204-88110 | VALVE SUB-ASSY, ventilation .....    | 1 | 10L |
| 8  | 90467-20020 | CLIP .....                           | 4 | 10L |
| 9  | 17113-88112 | MANIFOLD, intake, No.3 .....         | 1 | 10L |
| 10 | 12261-88110 | HOSE, ventilation .....              | 1 | 10L |
| 11 | 12201-41020 | TUBE, ventilation .....              | 1 | 10L |
| 12 | 90072-44512 | HOSE (L=158) .....                   | 1 | 10L |
| 13 | 17805-88111 | CONNECTOR SUB-ASSY, intake air ..... | 1 | 10L |

..... SPACE FOR MEMO .....

.....