

# **OPERATION AND PARTS MANUAL**



**MODEL GA-2.5H**  
**PORTABLE AC GENERATOR**  
**(HONDA GASOLINE ENGINE)**  
**S/N 5496762 AND BELOW**  
**S/N 5496763 AND ABOVE**

Revision #5 (03/04/08)

THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

## MQ GA-2.5H — AC Portable Generator

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## Honda GX160K1EMA2 Gasoline Engine

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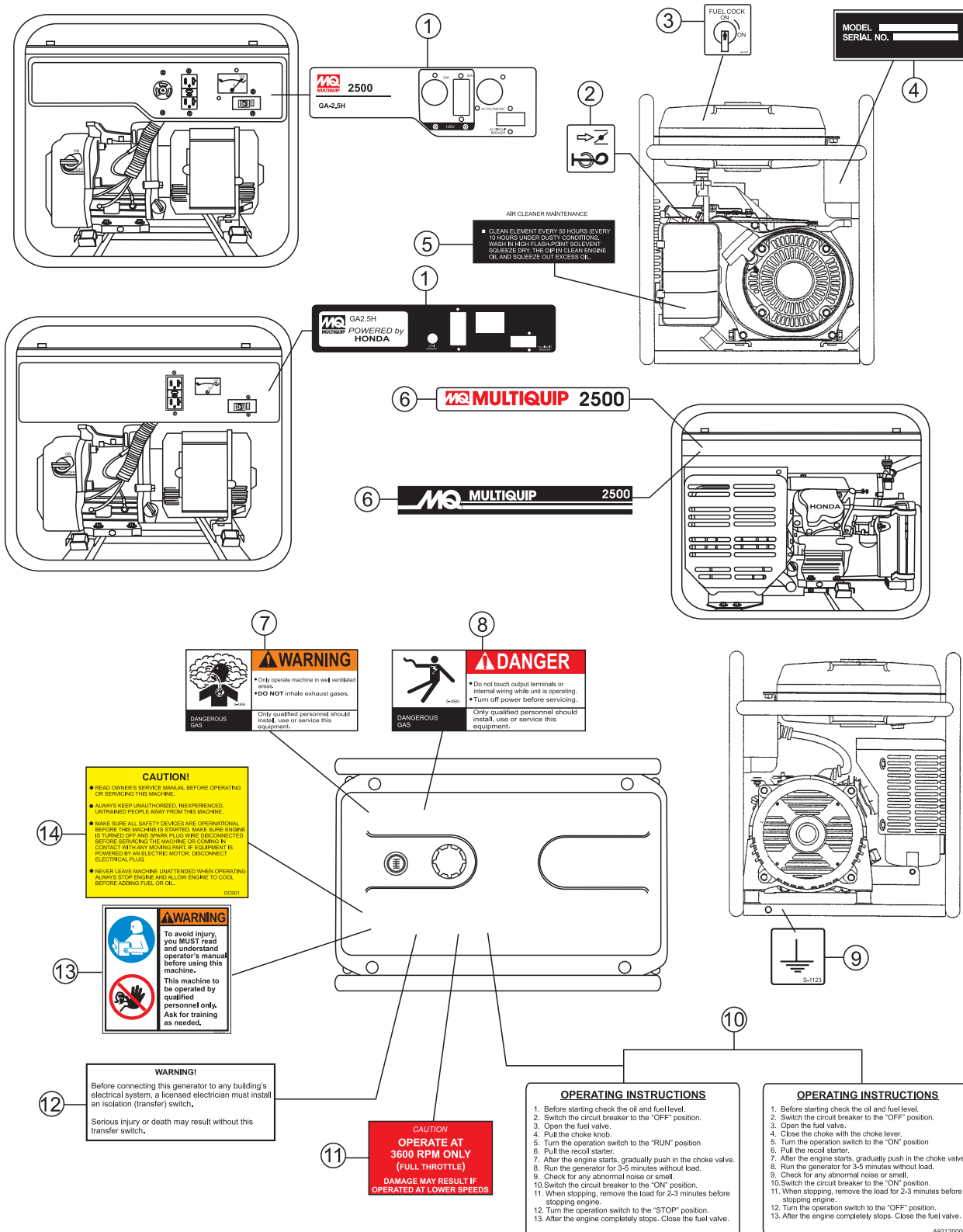
GA-2.5H 1 TO 5 UNITS WITH HONDA  
GX160K1EMA2 ENGINE*1 to 5 Units*

| Qty.    | P/N               | Description                                    |
|---------|-------------------|------------------------------------------------|
| 5 ..... | 9807956846 .....  | SPARK PLUG                                     |
| 1 ..... | 15510ZE1033 ..... | OIL LEVEL SWITCH                               |
| 1 ..... | 15600ZE1003 ..... | DIPSTICK                                       |
| 1 ..... | 36100ZE1015 ..... | STOP SWITCH                                    |
| 5 ..... | 17211ZBZ000 ..... | ELEMENT AIR                                    |
| 5 ..... | 28462ZH8003 ..... | ROPE, RECOIL STARTER                           |
| 2 ..... | 0601804887 .....  | CIRCUIT BREAKER                                |
| 2 ..... | 0601812597 .....  | RECEPTACLE ..... S/N 5496762 AND BELOW         |
| 2 ..... | 0601812598 .....  | RECEPTACLE ..... S/N 5496763 AND ABOVE         |
| 2 ..... | 0601823204 .....  | RECTIFIER                                      |
| 2 ..... | 0810107103 .....  | FILTER FUEL (TANK) ..... S/N 5496762 AND BELOW |
| 2 ..... | A9924800004 ..... | FILTER FUEL (TANK) ..... S/N 5496763 AND ABOVE |
| 1 ..... | 16950898632 ..... | FUEL COCK                                      |
| 5 ..... | 16952883005 ..... | FUEL FILTER                                    |
| 1 ..... | A9924800014 ..... | CAP, FUEL TANK                                 |

# GA-2.5H — NAMEPLATE AND DECALS.

## Machine Safety Decals

The GA-2.5H portable generator is equipped with a number of safety decals (see below). These decals are provided for operator safety and maintenance information. The illustration below shows these decals as they appear on the machine. Should any of these decals become unreadable, replacements can be obtained from your dealer



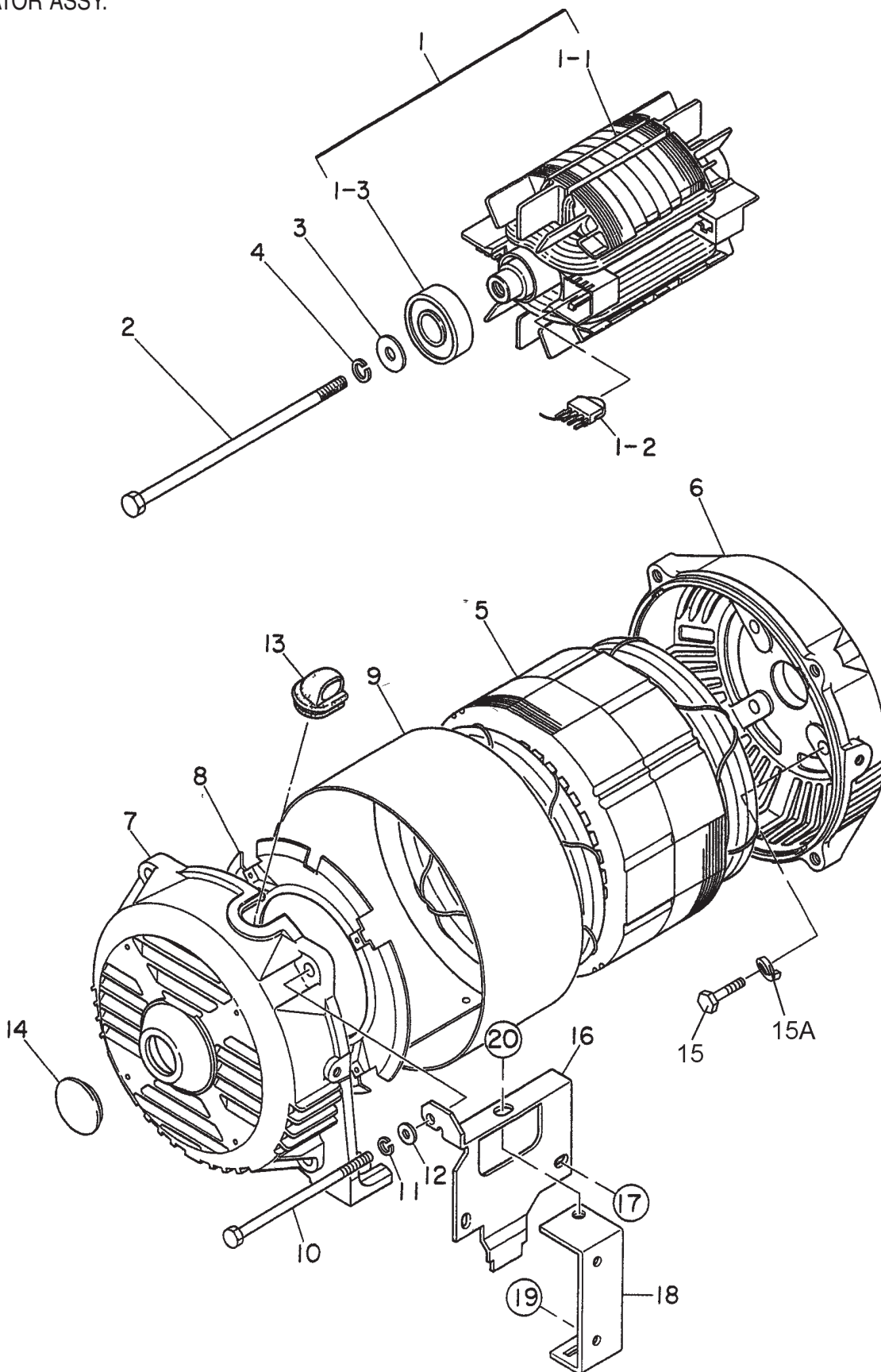
## GA-2.5H — NAMEPLATE AND DECALS.

### NAME PLATE ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                            | <u>QTY.</u> | <u>REMARKS</u>        |
|------------|-----------------|---------------------------------------------|-------------|-----------------------|
| 1          | 7930505002      | DECAL; CONTROL PANEL .....                  | 1 .....     | S/N 5496762 AND BELOW |
| 1          | A2511201002     | DECAL; CONTROL PANEL .....                  | 1 .....     | S/N 5496763 AND ABOVE |
| 2          | 87528ZB2630     | DECAL; CHOKE .....                          | 1 .....     | S/N 5496763 AND ABOVE |
| 3          | 1980680004      | DECAL; FUEL COCK .....                      | 1 .....     | S-3704                |
| 4          |                 | NAMEPLATE .....                             | 1 .....     | CONTACT MQ PARTS      |
| 5          | 87533ZC0630     | DECAL; AIR CLEANER .....                    | 1 .....     |                       |
| 6          | 7980615403      | DECAL; MQ MULTIQUIP 2500 .....              | 1 .....     | S/N 5496762 AND BELOW |
| 6          | A2561000003     | DECAL; MQ MULTIQUIP 2500 .....              | 1 .....     | S/N 5496763 AND ABOVE |
| 7          | 8700611804      | DECAL; WARNING DANGEROUS GAS .....          | 1 .....     | S-4984                |
| 8          | 8700611904      | DECAL; DANGER ELECTRICAL SHOCK HAZ. ....    | 1 .....     | S-4985                |
| 9          | 0800628504      | DECAL; GROUND .....                         | 1 .....     | S-1123                |
| 10         | 7900638204      | DECAL; OPERATING INSTRUCTIONS, S-4607 ..... | 1 .....     | S/N 5496762 AND BELOW |
| 10         | A9521200004     | DECAL; OPERATING INSTRUCTIONS .....         | 1 .....     | S/N 5496763 AND ABOVE |
| 11         | 7900636004      | DECAL; CAUTION OPER. AT 3600 RPM ONLY ..... | 1 .....     | S-4461                |
| 12         | 0820610404      | DECAL; WARNING, TRANSFER SWITCH .....       | 1 .....     | S-3627                |
| 13         | 35137           | DECAL; WARNING, READ MANUAL .....           | 1 .....     | S/N 5496763 AND ABOVE |
| 14         | 0820610804      | DECAL; WARNING, READ MANUAL, DSC01 .....    | 1 .....     | S/N 5496762 AND BELOW |

## MQ GA-2.5H — GENERATOR ASSY .

GENERATOR ASSY.



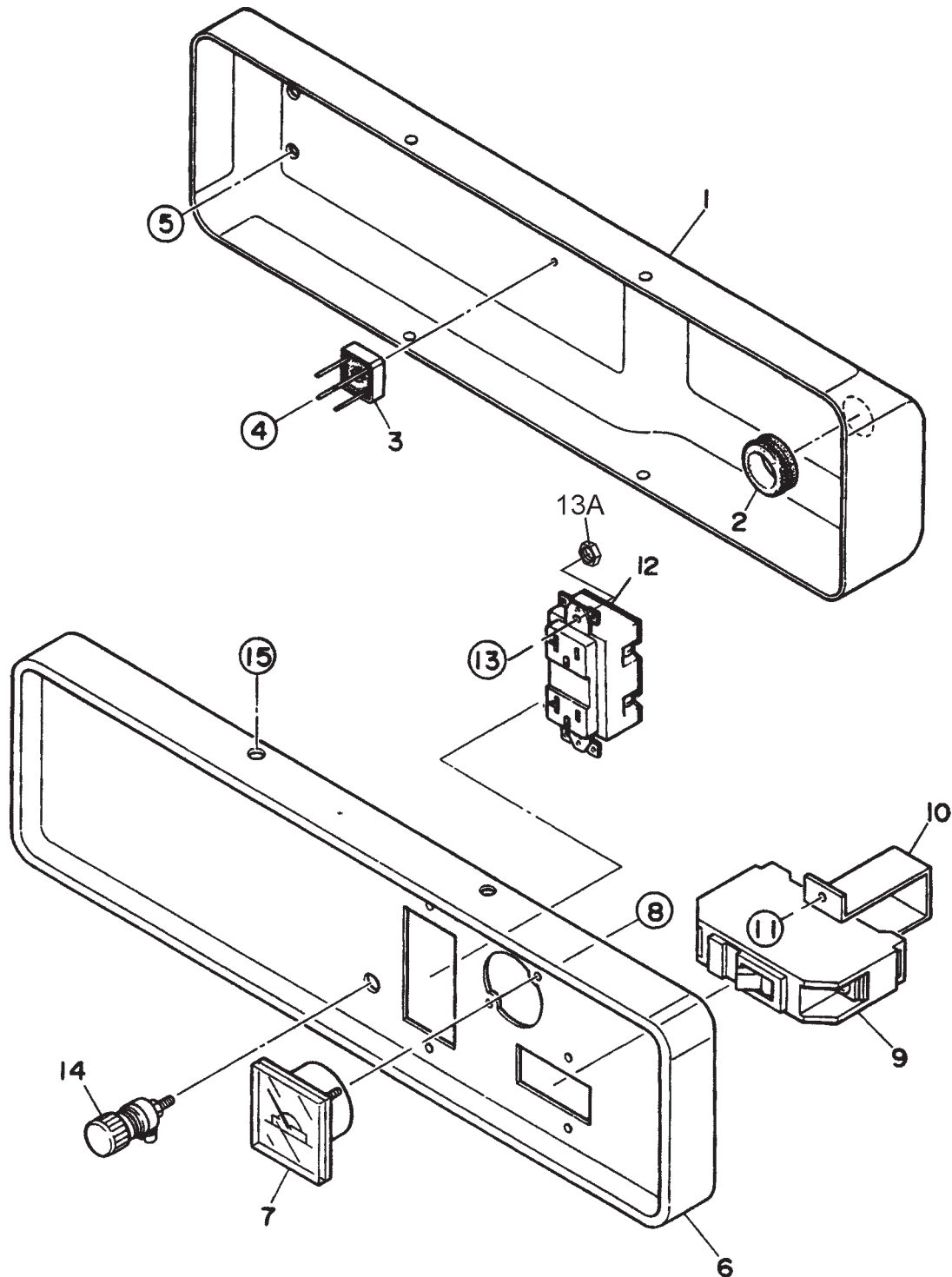
# MQ GA-2.5H — GENERATOR ASSY .

## GENERATOR ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>      | <u>QTY.</u> | <u>REMARKS</u>        |
|-----------|----------------|-----------------------|-------------|-----------------------|
| 1         | 7931000203     | ROTOR ASSY. ....      | 1           | INCLUDES ITEMS W/*    |
| 1-1*      |                | FIELD COIL ASSY. .... | 1           | NOT SOLD SEPERATELY   |
| 1-2       | 0601823213     | RECTIFIER .....       | 2           | D3SB 80               |
| 1-2       | 0601822638     | SURGE ABSORBER .....  | 2           | TNR 15G431K           |
| 1-3*      | 0603000040     | BEARING .....         | 1           | 6204 2RU NY5C S30     |
| 2         | 7681017104     | SET BOLT, ROTOR       | 1           |                       |
| 3         | 0801086004     | SET WASHER, BEARING   | 1           |                       |
| 4         | 0040008000     | SPRING WASHER         | 1           |                       |
| 5         | 7921341803     | ARMATURE ASSY. ....   | 1           | S/N 5497956 AND BELOW |
| 5         | A2135000203    | ARMATURE ASSY. ....   | 1           | S/N 5497957 AND ABOVE |
| 6         | 7931315002     | END BRACKET (C SIDE)  | 1           |                       |
| 7         | 7931315102     | END BRACKET (B SIDE)  | 1           |                       |
| 8         | 7875021523     | GUIDE PANEL, AIR      | 1           |                       |
| 9         | 7681331003     | COVER                 | 1           |                       |
| 10        | 7681344204     | SET BOLT, STATOR      | 4           |                       |
| 11        | 0040006000     | SPRING WASHER         | 4           |                       |
| 12        | 0041206000     | PLAIN WASHER          | 4           |                       |
| 13        | 7871329514     | GROMMET               | 1           |                       |
| 14        | 0601851760     | CAP                   | 1           |                       |
| 15        | 0013608025     | HEX. HEAD BOLT .....  | 4           | S/N 5497956 AND BELOW |
| 15        | 0013608020     | HEX. HEAD BOLT .....  | 4           | S/N 5497957 AND ABOVE |
| 15A       | 0040008000     | SPRING WASHER         | 4           |                       |
| 16        | 7935420104     | MUFFLER STAY .....    | 1           | S/N 5497957 AND ABOVE |
| 17        | 0017106016     | HEX. HEAD BOLT .....  | 2           | S/N 5497957 AND ABOVE |
| 18        | 7935420004     | MUFFLER STAY .....    | 1           | S/N 5497957 AND ABOVE |
| 19        | 0207206000     | HEX NUT               | 2           |                       |
| 20        | 0017108020     | HEX HEAD BOLT         | 1           |                       |

## MQ GA-2.5H — CONTROL BOX ASSY. S/N 5496762 AND BELOW

CONTROL BOX ASSY. (S/N 5496762 AND BELOW)



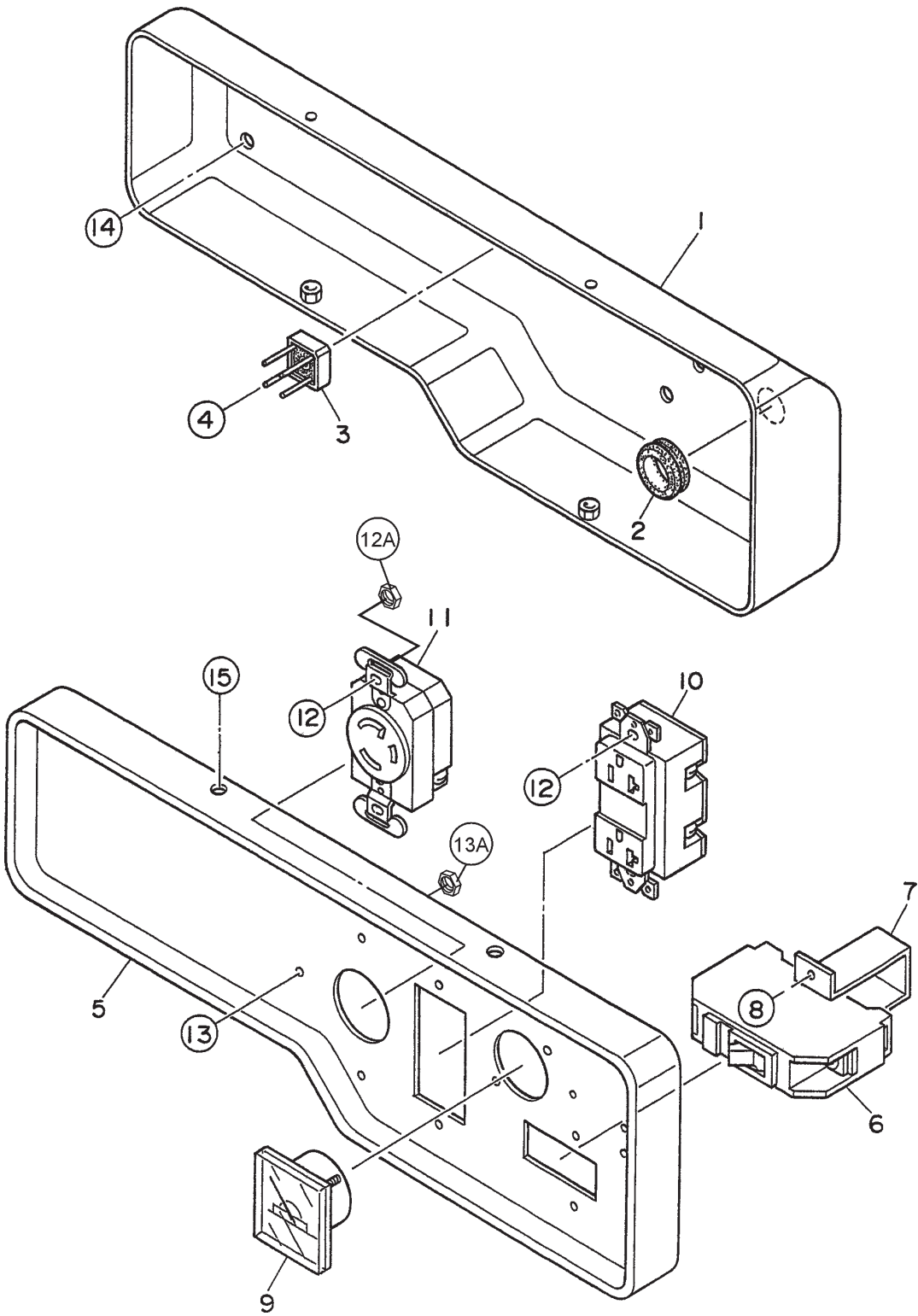
## MQ GA-2.5H — CONTROL BOX ASSY. S/N 5496762 AND BELOW

CONTROL BOX ASSY. (S/N 5496762 AND BELOW)

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>         | <u>QTY.</u> | <u>REMARKS</u>            |
|------------|-----------------|--------------------------|-------------|---------------------------|
| 1          | 7931800203      | CONTROL BOX              | 1           |                           |
| 2          | 0801354504      | GROMMET                  | 1           |                           |
| 3          | 0601823204      | RECTIFIER .....          | 1           | S5 VB60                   |
| 4          | 0027103020      | MACHINE SCREW            | 1           |                           |
| 5          | 011106015       | HEX. HEAD BOLT .....     | 4           | REPLACES 0017106015       |
| 6          | 7931810303      | CONTROL PANEL            | 1           |                           |
| 7          | 0601800258      | AC VOLTMETER .....       | 1           | 120/ 240V 8283            |
| 8          | 0038303000      | HEX. NUT                 | 2           |                           |
| 9          | 0601804887      | CIRCUIT BREAKER .....    | 1           | KM- 51 265V 20A           |
| 10         | 3011816004      | BRACKET, CIRCUIT BREAKER | 1           |                           |
| 11         | 0027104010      | MACHINE SCREW            | 2           |                           |
| 12         | 0601812597      | RECEPTACLE .....         | 1           | 5- 20R GF- 5352(G.F.C.I.) |
| 13         | 0027104010      | MACHINE SCREW            | 2           |                           |
| 13A        | 0038404000      | HEX. NUT .....           | 2           | OEMAA8                    |
| 14         | 0601815103      | GROUND TERMINAL          | 1           |                           |
| 15         | 0017105010      | HEX. HEAD BOLT           | 4           |                           |

**MQ GA-2.5H — CONTROL BOX ASSY. S/N 5496763 AND ABOVE**

CONTROL BOX ASSY. (S/N 5496763 AND ABOVE)



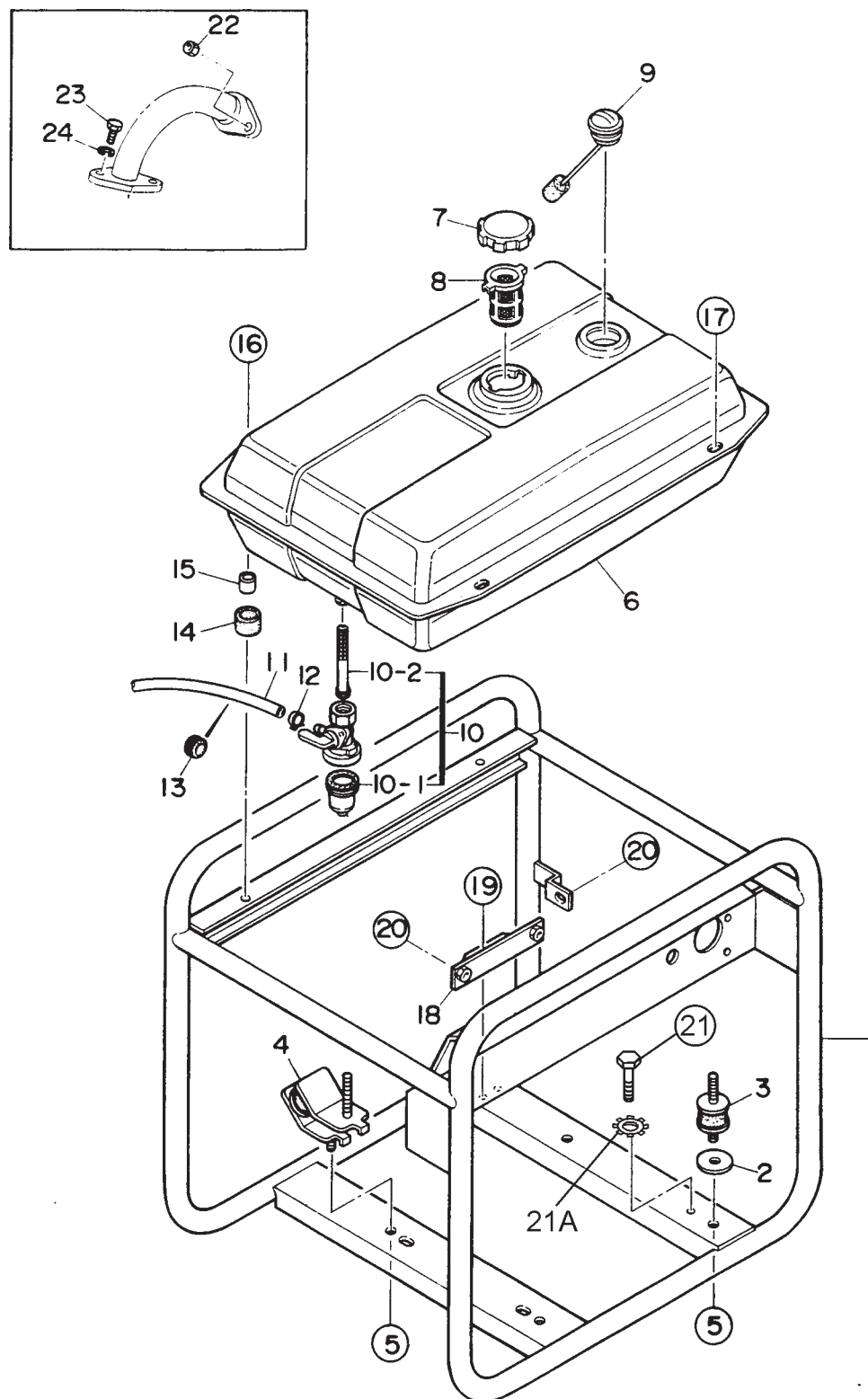
## MQ GA-2.5H — CONTROL BOX ASSY. S/N 5496763 AND ABOVE

CONTROL BOX ASSY. (S/N 5496763 AND ABOVE)

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>         | <u>QTY.</u> | <u>REMARKS</u>       |
|-----------|----------------|--------------------------|-------------|----------------------|
| 1         | A0101000103    | CONTROL BOX              | 1           |                      |
| 2         | 0801354504     | GROMMET                  | 1           |                      |
| 3         | 0601823204     | RECTIFIER .....          | 1 .....     | S5VB60               |
| 4         | 0027103012     | MACHINE SCREW            | 1           |                      |
| 5         | A2224000103    | CONTROL PANEL            | 1           |                      |
| 6         | 0601804887     | CIRCUIT BREAKER .....    | 1 .....     | KM-51 : 20A          |
| 7         | 3011816004     | BRACKET, CIRCUIT BREAKER | 1           |                      |
| 8         | 0021004010     | MACHINE SCREW            | 2           |                      |
| 9         | 0601806819     | AC VOLTMETER .....       | 1 .....     | DE450-011 : 0 ~ 120V |
| 10        | 0601812598     | RECEPTACLE .....         | 1 .....     | 5-20R: 125V, 20A     |
| 11        | 0601812592     | RECEPTACLE .....         | 1 .....     | L5-20R:125V, 20A     |
| 12        | 0021004010     | MACHINE SCREW            | 4           |                      |
| 12A       | 0207004000     | HEX NUT                  | 4           |                      |
| 13        | 0021004015     | MACHINE SCREW            | 4           |                      |
| 13A       | 0207004000     | HEX NUT                  | 1           |                      |
| 14        | 0017106016     | HEX. HEAD BOLT           | 4           |                      |
| 15        | 0017105010     | HEX. HEAD BOLT           | 4           |                      |

## MQ GA-2.5H — PIPE FRAME ASSY. S/N 5496762 AND BELOW

PIPE FRAME ASSY. (S/N 5496762 AND BELOW)



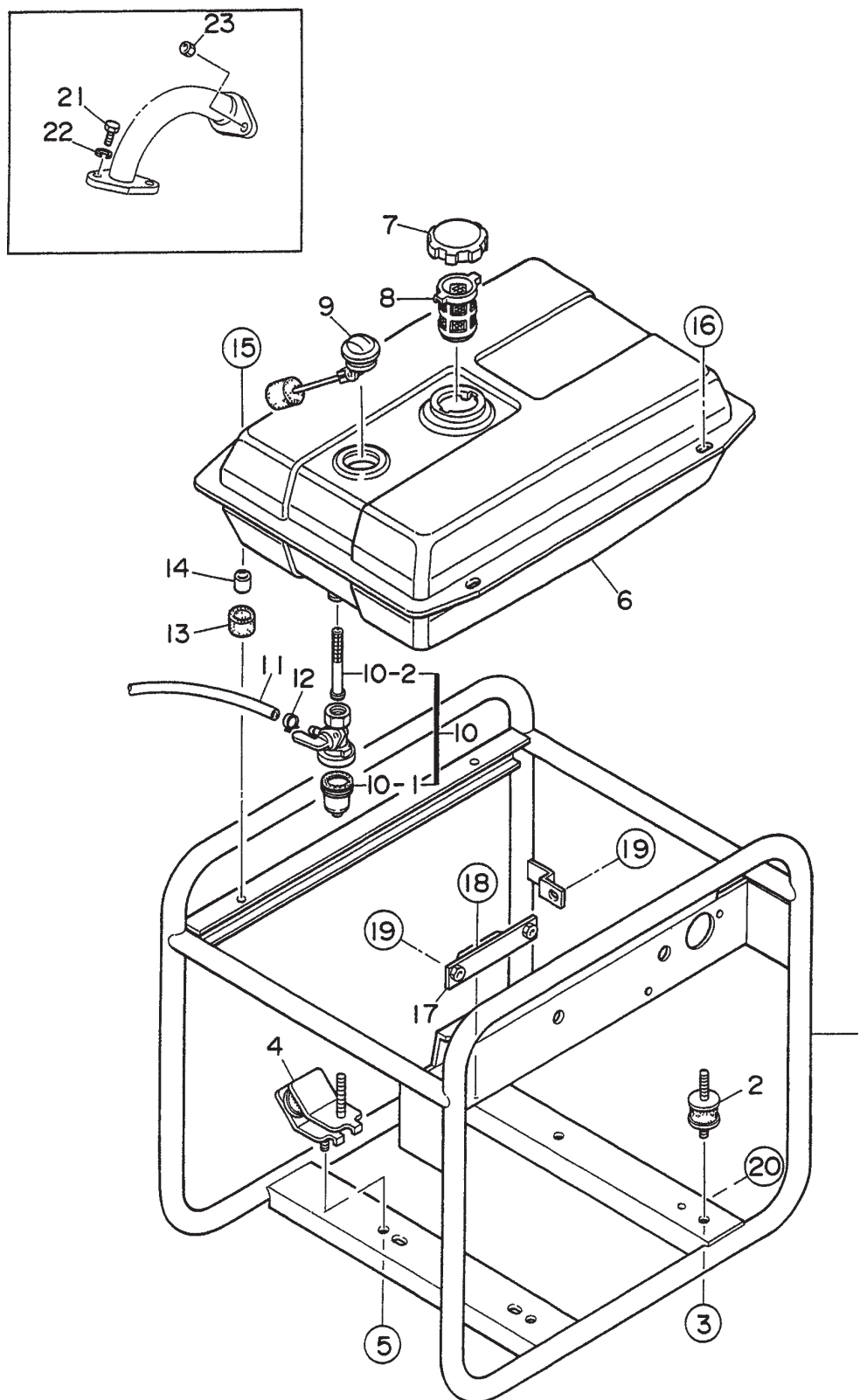
## MQ GA-2.5H — PIPE FRAME ASSY. S/N 5496762 AND BELOW

PIPE FRAME ASSY. (S/N 5496762 AND BELOW)

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>       | <u>QTY.</u> | <u>REMARKS</u>      |
|------------|-----------------|------------------------|-------------|---------------------|
| 1          | 7935400302      | PIPE FRAME             | 1           |                     |
| 2          | 0801886104      | WASHER                 | 2           |                     |
| 3          | 7935419204      | RUBBER SUSPENSION      | 2           |                     |
| 4          | 7935419304      | RUBBER SUSPENSION      | 2           |                     |
| 5          | 020108060       | HEX. NUT .....         | 8           | REPLACES 0207208000 |
| 6          | 7935510102      | FUEL TANK              | 1           |                     |
| 7          | 0810106004      | CAP, FUEL TANK         | 1           |                     |
| 8          | 0810107103      | FUEL FILTER            | 1           |                     |
| 9          | 0602125031      | FUEL GAUGE .....       | 1           | CJ-13               |
| 10         | 16950898632     | FUEL COCK              | 1           |                     |
| 10- 1      | 16081471831     | CUP                    | 1           |                     |
| 10- 2      | 16952883005     | FILTER                 | 1           |                     |
| 11         | 950014500160M   | HOSE                   | 1           |                     |
| 12         | 9500202080      | HOSE BAND              | 2           |                     |
| 13         | 90854ZB2000     | GROMMET                | 1           |                     |
| 14         | 7855525514      | RUBBER WASHER          | 2           |                     |
| 15         | 7855525604      | COLLAR                 | 2           |                     |
| 16         | 011208030       | HEX. HEAD BOLT .....   | 2           | REPLACES 0017108030 |
| 17         | 011008020       | HEX. HEAD BOLT .....   | 2           | REPLACES 0017108020 |
| 18         | 7935421004      | BRACKET, MUFFLER COVER | 1           |                     |
| 19         | 0017106016      | HEX. HEAD BOLT         | 2           |                     |
| 20         | 0017106016      | HEX. HEAD BOLT         | 3           |                     |
| 21         | 0017106016      | HEX. HEAD BAOLT        | 1           |                     |
| 21A        | 0040506000      | TOOTH WASHER           | 1           |                     |
| 22         | 020108060       | HEX. NUT               | 2           | REPLACES 0031308000 |
| 23         | 011208025       | HEX. HEAD BOLT .....   | 2           | REPLACES 0011308025 |
| 24         | 0040008000      | SPRING WASHER          | 2           |                     |

## MQ GA-2.5H — PIPE FRAME ASSY. S/N 5496763 AND ABOVE

PIPE FRAME ASSY. (S/N 5496763 AND ABOVE)



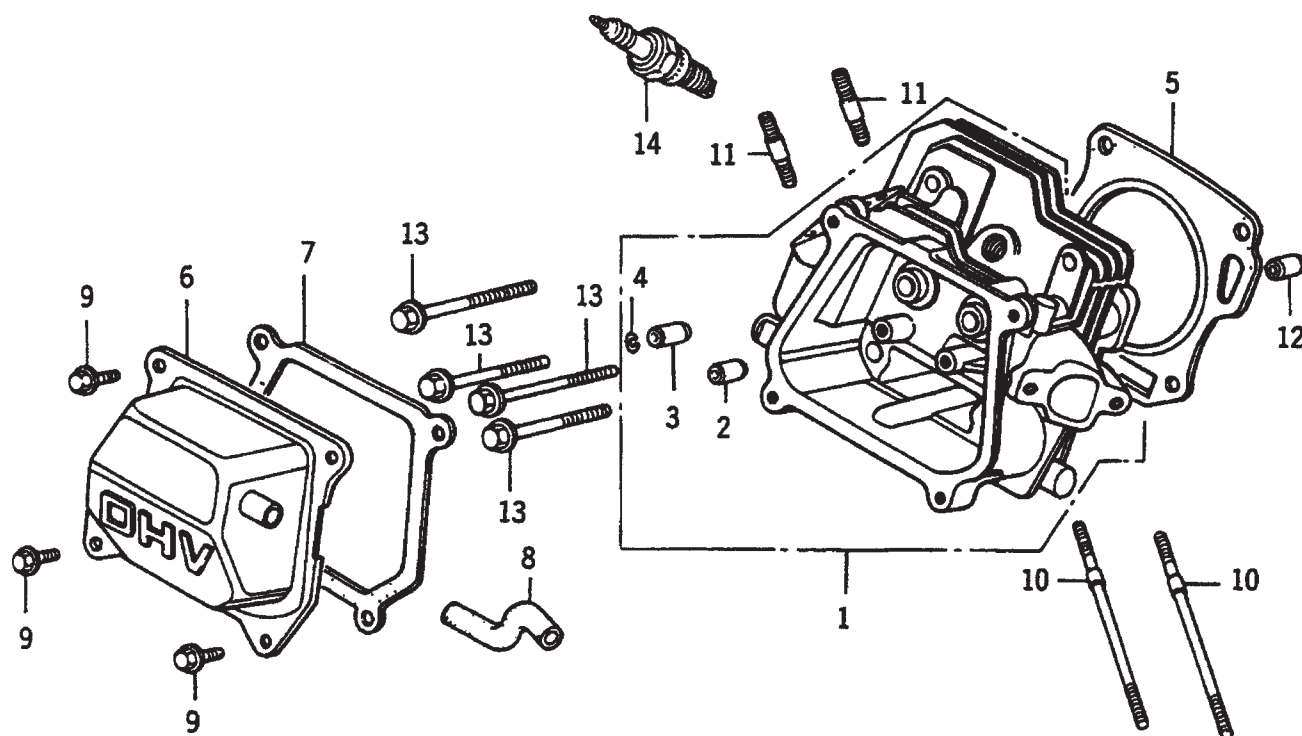
## MQ GA-2.5H — PIPE FRAME ASSY. S/N 5496763 AND ABOVE

PIPE FRAME ASSY. (S/N 5496763 AND ABOVE)

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>        | <u>QTY.</u> | <u>REMARKS</u>      |
|------------|-----------------|-------------------------|-------------|---------------------|
| 1          | A2417000202     | PIPE FRAME              | 1           |                     |
| 2          | 7935419204      | RUBBER SUSPENSION       | 2           |                     |
| 3          | 020108060       | HEX. NUT .....          | 4           | REPLACES 0207208000 |
| 4          | 7935419304      | RUBBER SUSPENSION ..... | 2           |                     |
| 5          | 020108060       | HEX. NUT .....          | 4           | REPLACES 0207208000 |
| 6          | A2364000002     | FUEL TANK               | 1           |                     |
| 7          | A9924800014     | CAP, FUEL TANK          | 1           |                     |
| 8          | A9924800004     | FUEL FILTER             | 1           |                     |
| 9          | 0602125034      | FUEL GAUGE .....        | 1           | CJ-58A              |
| 10         | 16950898632     | FUEL COCK               | 1           |                     |
| 10- 1      | 16081471831     | CUP, FUEL STRAINER      | 1           |                     |
| 10- 2      | 16952883005     | FILTER N/C              | 1           |                     |
| 11         | 950014518040    | HOSE                    | 1           |                     |
| 12         | 9500202080      | HOSE BAND               | 2           |                     |
| 13         | 7855525514      | RUBBER CUSHION          | 2           |                     |
| 14         | 7855525604      | COLLAR                  | 2           |                     |
| 15         | 011208030       | HEX. HEAD BOLT .....    | 2           | REPLACES 0017108030 |
| 16         | 011008020       | HEX. HEAD BOLT .....    | 2           | REPLACES 0017108020 |
| 17         | 7935421004      | BRACKET, MUFFLER COVER  | 1           |                     |
| 18         | 0017106016      | HEX. HEAD BOLT          | 2           |                     |
| 19         | 0017106016      | HEX. HEAD BOLT          | 3           |                     |
| 20         | 0019206016      | HEX. HEAD BOLT          | 1           |                     |
| 21         | 0011308020      | HEX. HEAD BOLT          | 2           |                     |
| 22         | 0040008000      | WASHER, LOCK            | 2           |                     |
| 23         | 020108060       | HEX. NUT .....          | 2           | REPLACES 0031308000 |

## HONDA GX160K1EMA2 ENGINE — CYLINDER HEAD ASSY.

CYLINDER HEAD ASSY.



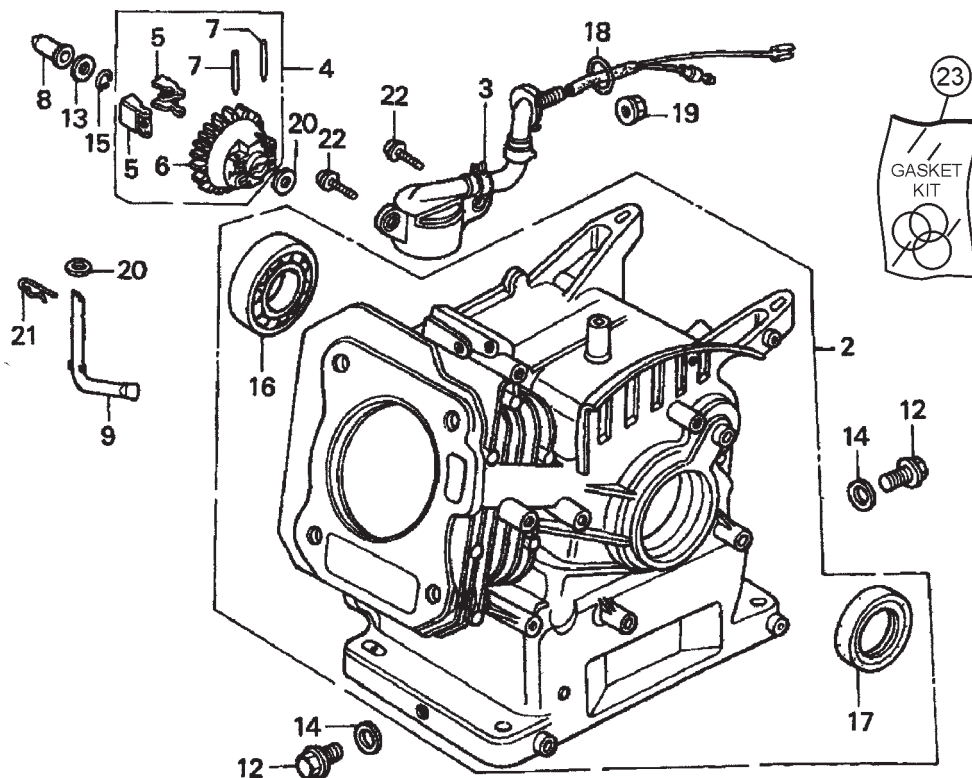
# HONDA GX160K1EMA2 ENGINE — CYLINDER HEAD ASSY.

## CYLINDER HEAD ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>             | <u>QTY.</u> | <u>REMARKS</u>     |
|-----------|----------------|------------------------------|-------------|--------------------|
| 1         | 12210ZH8020    | HEAD COMP., CYLINDER .....   | 1 .....     | INCLUDES ITEMS W/* |
| 2*        | 12204ZE1306    | GUIDE, IN. VALVE (OVER SIZE) | 1           |                    |
| 3*        | 12205ZE1315    | GUIDE, IN. VALVE             | 1           |                    |
| 4*        | 12216ZE5300    | CLIP, VALVE GUIDE            | 1           |                    |
| 5         | 12251ZF1800    | GASKET, CYLINDER HEAD        | 1           |                    |
| 6         | 12310ZE1010    | COVER COMP, HEAD             | 1           |                    |
| 7         | 12391ZE1000    | PACKING, HEAD COVER          | 1           |                    |
| 8         | 15721732000    | TUBE, BREATHER               | 1           |                    |
| 9         | 90013883000    | BOLT, FLANGE 6X12            | 4           |                    |
| 10        | 90043ZB2003    | BOLT, STUD 6X94              | 2           |                    |
| 11        | 90047ZE1000    | BOLT, STUD 8X32              | 2           |                    |
| 12        | 9430110160     | PIN, DOWEL 10X1              | 2           |                    |
| 13        | 957230806000   | BOLT, FLANGE 8X60            | 4           |                    |
| 14        | 9807956846     | PLUG, SPARK (BPR6ES NGK)     | 1           |                    |
| 14        | 9807956855     | PLUB, SPARK (W20EPR-U ND)    | 1           |                    |

# HONDA GX160K1EMA2 ENGINE — CYLINDER BARREL ASSY.

CYLINDER BARREL ASSY.



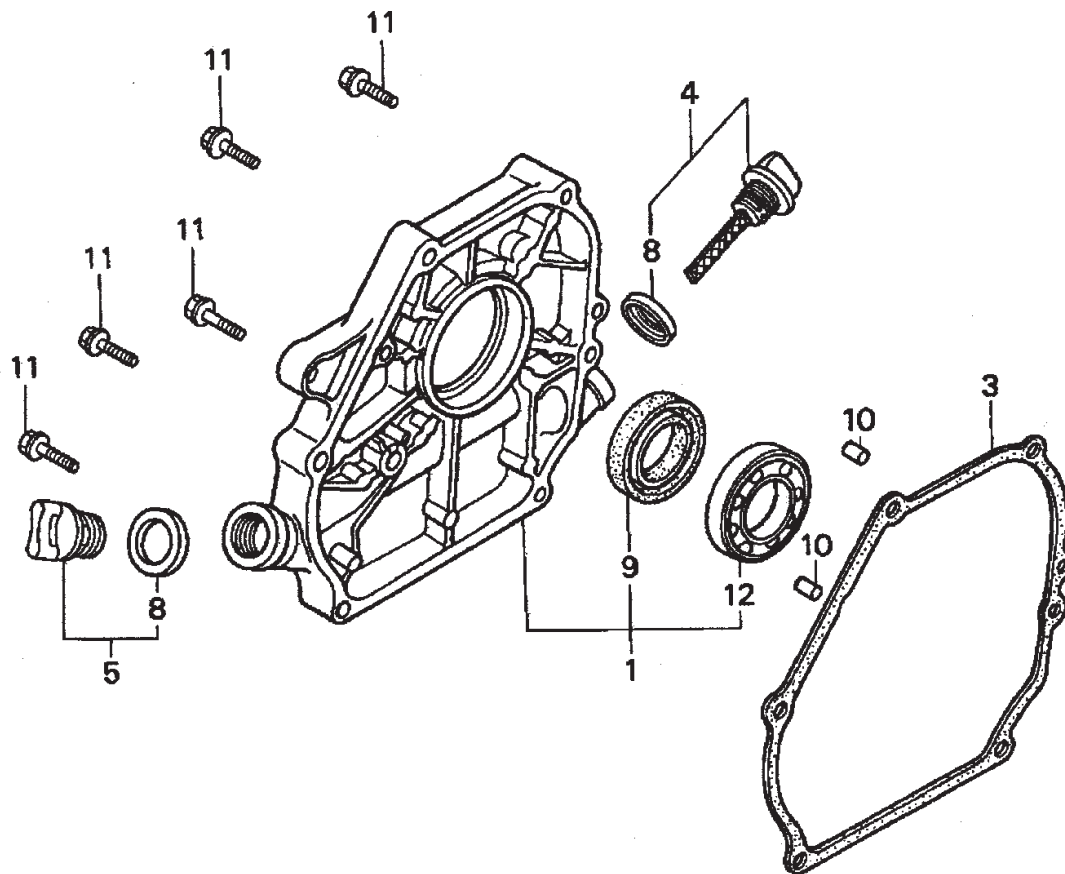
# HONDA GX160K1EMA2 ENGINE — CYLINDER BARREL ASSY.

## CYLINDER BARREL ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>              | <u>QTY.</u> | <u>REMARKS</u>        |
|-----------|----------------|-------------------------------|-------------|-----------------------|
| 2         | 12000ZH8406    | BARREL ASSY, CYLINDER .....   | 1 .....     | INCLUDES ITEMS W/#    |
| 3         | 15510ZE1033    | SWITCH ASSY, OIL LEVEL        | 1           |                       |
| 4         | 16510ZE1000    | GOVERNOR ASSY. ....           | 1 .....     | USE UP TO S/N 4913229 |
|           |                | .....                         |             | INCLUDES ITEMS W/*    |
| 4         | 16506ZL0000    | GOVERNOR ASSY. ....           | 1 .....     | USE FROM S/N 4913230  |
|           |                | .....                         |             | INCLUDES ITEMS W/*    |
| 5*        | 16511ZE1000    | WEIGHT, GOVERNOR              | 2           |                       |
| 6*        | 16512ZE1000    | HOLDER, GOVERNOR WEIGHT       | 1           |                       |
| 7*        | 16513ZE1000    | PIN, GOVERNOR WEIGHT          | 2           |                       |
| 8         | 16531ZE1000    | SLIDER, GOVERNOR              | 1           |                       |
| 9         | 16541ZE1000    | SHAFT, GOVERNOR ARM           | 1           |                       |
| 12        | 90131ZE1000    | BOLT, DRAIN PLUG              | 2           |                       |
| 13        | 90451ZE1000    | WASHER, THRUST 6MM            | 1           |                       |
| 14        | 90601ZE1000    | WASHER, DRAIN PLUG 10.2MM     | 2           |                       |
| 15        | 90602ZE1000    | CLIP, GOVERNOR HOLDER         | 1           |                       |
| 16#       | 91001ZF1003    | BEARING, RADIAL BALL(6205TMB) | 1           |                       |
| 17#       | 91201Z0T801    | OIL SEAL 25X41X6              | 1           |                       |
| 18        | 91353671004    | O-RING, 13.5X1.5              | 1           |                       |
| 19        | 9405010000     | NUT, FLANGE, 10MM             | 1           |                       |
| 20        | 9410106800     | WASHER, PLAIN, 6MM            | 2           |                       |
| 21        | 9425108000     | PIN, LOCK, 8MM                | 1           |                       |
| 22        | 957010601200   | BOLT, FLANGE, 6X12            | 2           |                       |
| 23        | 06111ZH8405    | GASKET KIT                    | 1           |                       |

## HONDA GX160K1EMA2 ENGINE — CRANKCASE COVER ASSY.

CRANKCASE COVER ASSY.



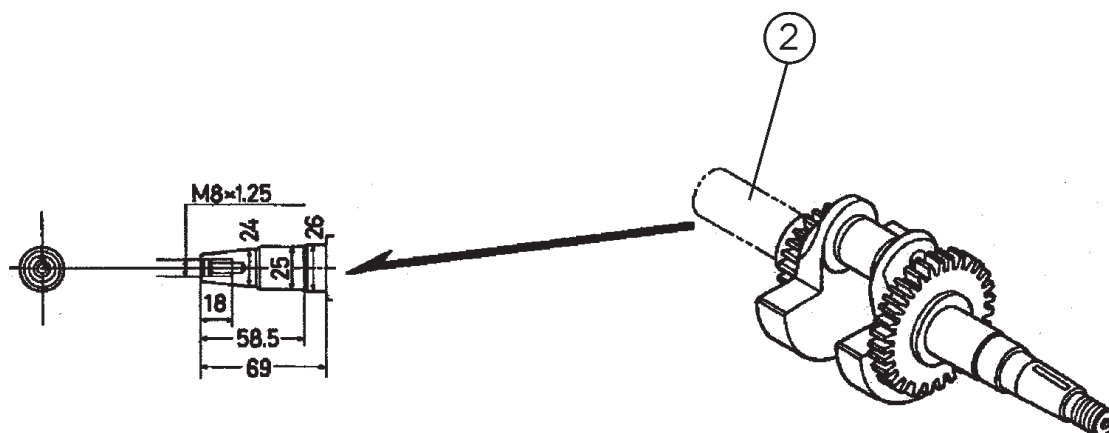
# HONDA GX160K1EMA2 ENGINE — CRANKCASE COVER ASSY.

## CRANKCASE COVER ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>            | <u>QTY.</u> | <u>REMARKS</u>     |
|-----------|----------------|-----------------------------|-------------|--------------------|
| 1         | 11300ZE1634    | COVER ASSY, CRANKCASE ..... | 1 .....     | INCLUDES ITEMS W/* |
| 3         | 11381ZH8801    | GASKET, CASE COVER          | 1           |                    |
| 4         | 15600ZE1003    | CAP ASSY, OIL FILLER .....  | 1 .....     | INCLUDES ITEMS W/# |
| 5         | 15600ZG4003    | CAP, OIL FILLER             | 1           |                    |
| 8#        | 15625ZE1003    | GASKET, OIL FILLER CAP      | 1           |                    |
| 9*        | 91201Z0T801    | OIL SEAL, 25X41X6           | 1           |                    |
| 10        | 9430108140     | PIN, DOWEL 8X14             | 2           |                    |
| 11        | 957010803200   | BOLT, LANGE 8X32            | 6           |                    |
| 12*       | 961006205000   | BEARING, RADIAL BALL, 6205  | 1           |                    |

# HONDA GX160K1EMA2 ENGINE — CRANKSHAFT ASSY.

CRANKSHAFT ASSY.



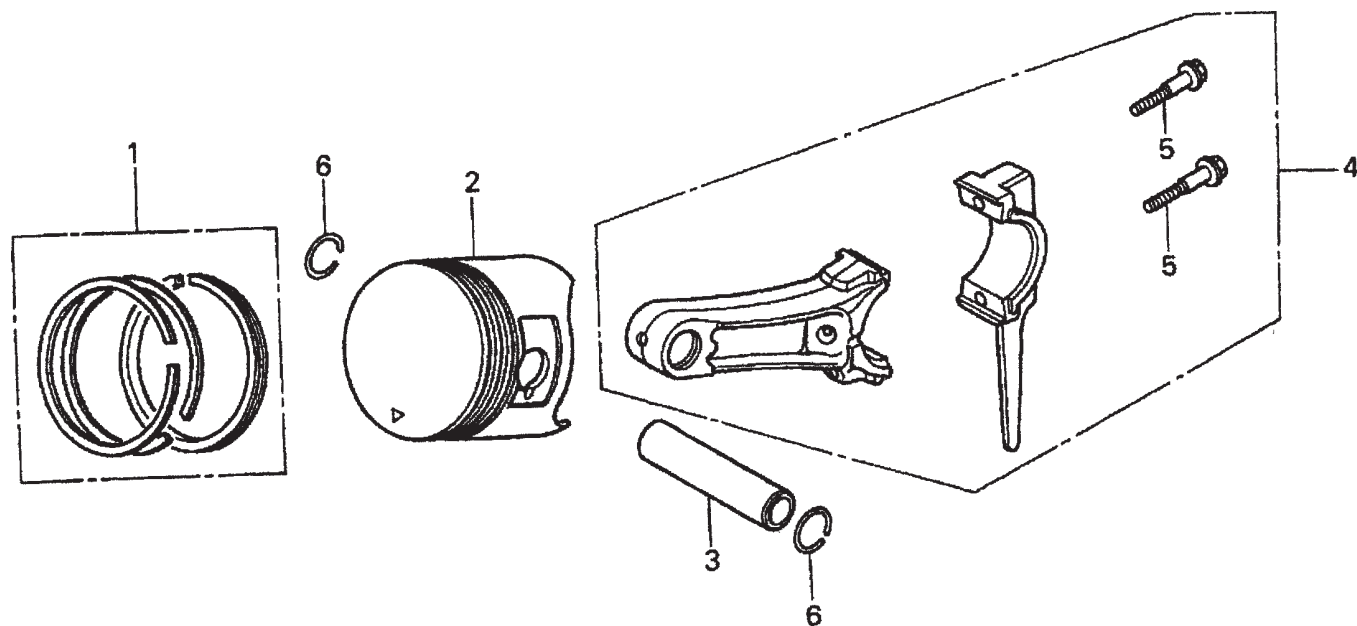
## HONDA GX160K1EMA2 ENGINE — CRANKSHAFT ASSY.

CRANKSHAFT ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>     | <u>QTY.</u> | <u>REMARKS</u> |
|-----------|----------------|----------------------|-------------|----------------|
| 1         | 13310ZB2000    | CRANKSHAFT (VE-TYPE) | 1           |                |

## HONDA GX160K1EMA2 ENGINE — PISTON ASSY.

PISTON ASSY.



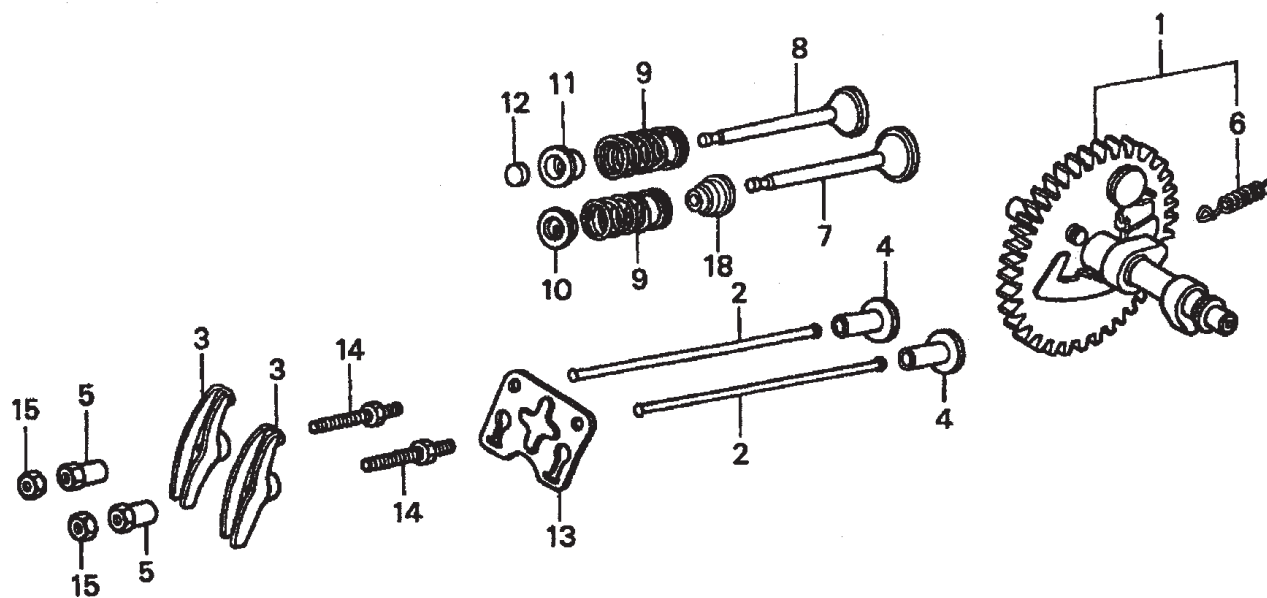
## HONDA GX160K1EMA2 ENGINE — PISTON ASSY.

PISTON ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>        | <u>QTY.</u> | <u>REMARKS</u> |
|-----------|----------------|-------------------------|-------------|----------------|
| 1         | 13010ZF1023    | RING SET, PISTON (STD)  | 1           |                |
| 1         | 13011ZF1023    | RING SET, PISTON (0.25) | 1           |                |
| 1         | 13012ZF1023    | RING SET, PISTON (0.50) | 1           |                |
| 1         | 13013ZF1023    | RING SET, PISTON (0.75) | 1           |                |
| 2         | 13101ZH8010    | PISTON (STD)            | 1           |                |
| 2         | 13101ZH8010    | PISTON (0.25)           | 1           |                |
| 2         | 13103ZH8000    | PISTON (0.50)           | 1           |                |
| 2         | 13102ZH8010    | PISTON (0.75)           | 1           |                |
| 3         | 13111ZE1000    | PIN, PISTON             | 1           |                |
| 4         | 132000ZE1010   | ROD ASSY, CONNECTING    | 1           |                |
| 5         | 90001ZE1000    | BOLT, CONNECTING ROD    | 2           |                |
| 6         | 90551ZE1000    | CLIP, PISTON PIN, 18MM  | 2           |                |

## HONDA GX160K1EMA2 ENGINE — CAMSHAFT ASSY.

CAMSHAFT ASSY.



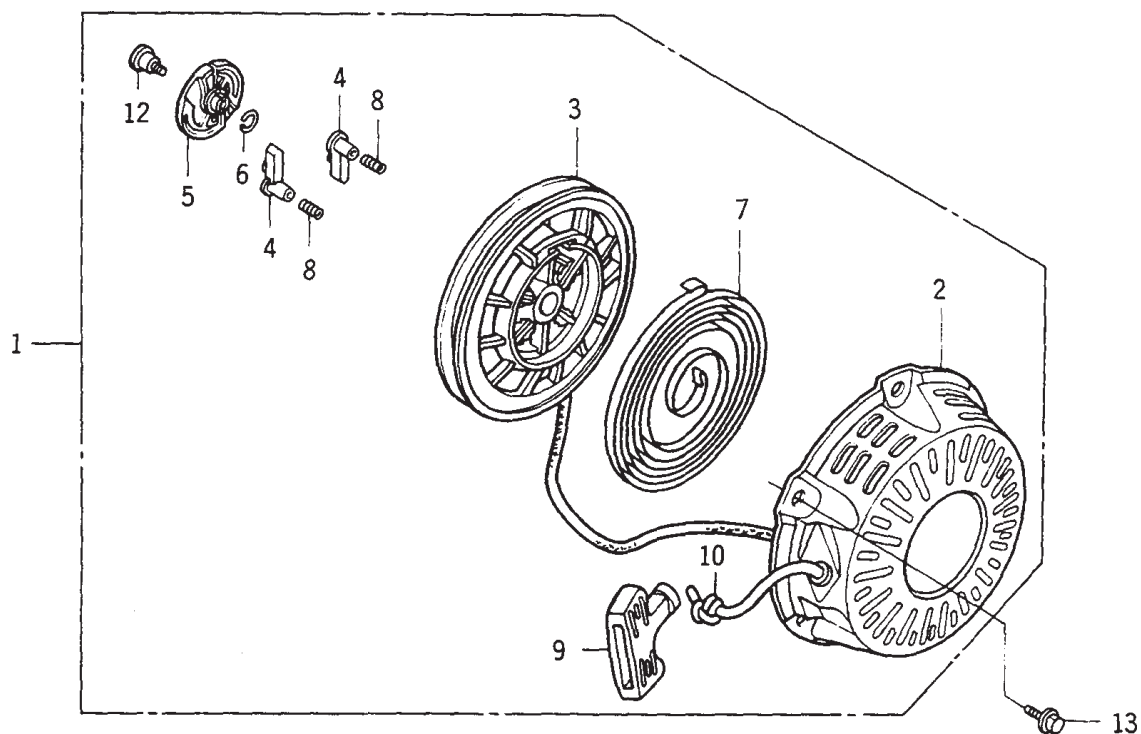
# HONDA GX160K1EMA2 ENGINE — CAMSHAFT ASSY.

## CAMSHAFT ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>           | <u>QTY.</u> | <u>REMARKS</u>    |
|-----------|----------------|----------------------------|-------------|-------------------|
| 1         | 14100ZE1812    | CAM SHAFT ASSY.....        | 1 .....     | UP TO S/N 4913229 |
| 1         | 14100ZL0000    | CAM SHAFT ASSY.....        | 1 .....     | FROM S/N 4913230  |
| 2         | 14410ZE1010    | ROD, PUSH                  | 2           |                   |
| 3         | 14431ZE1000    | ARM, VALVE ROCKER          | 2           |                   |
| 4         | 14441ZE1000    | LIFTER, VALVE              | 2           |                   |
| 5         | 14451ZE1013    | PIVOT, ROCKER ARM          | 2           |                   |
| 6         | 14568ZE1000    | SPRING, WEIGHT RETURN      | 1           |                   |
| 7         | 14711ZF1000    | VALVE, IN                  | 1           |                   |
| 8         | 14721ZF1000    | VALVE, EX                  | 1           |                   |
| 9         | 14751ZF1000    | SPRING, VALVE              | 2           |                   |
| 10        | 14771ZE1000    | RETAINER, IN. VALVE SPRING | 1           |                   |
| 11        | 14773ZE1000    | RETAINER, EX. VALVE SPRING | 1           |                   |
| 12        | 14781ZE1000    | ROTATOR, VALVE             | 1           |                   |
| 13        | 14791ZE1010    | PLATE, PUSH ROD GUIDE      | 1           |                   |
| 14        | 90012ZE0010    | BOLT, PIVOT (8MM)          | 2           |                   |
| 15        | 90206ZE1000    | NUT, PIVOT ADJUSTING       | 2           |                   |
| 18        | 12209ZH8003    | VALVE STEM                 | 1           |                   |

## HONDA GX160K1EMA2 ENGINE — RECOIL STARTER ASSY.

RECOIL STARTER ASSY.



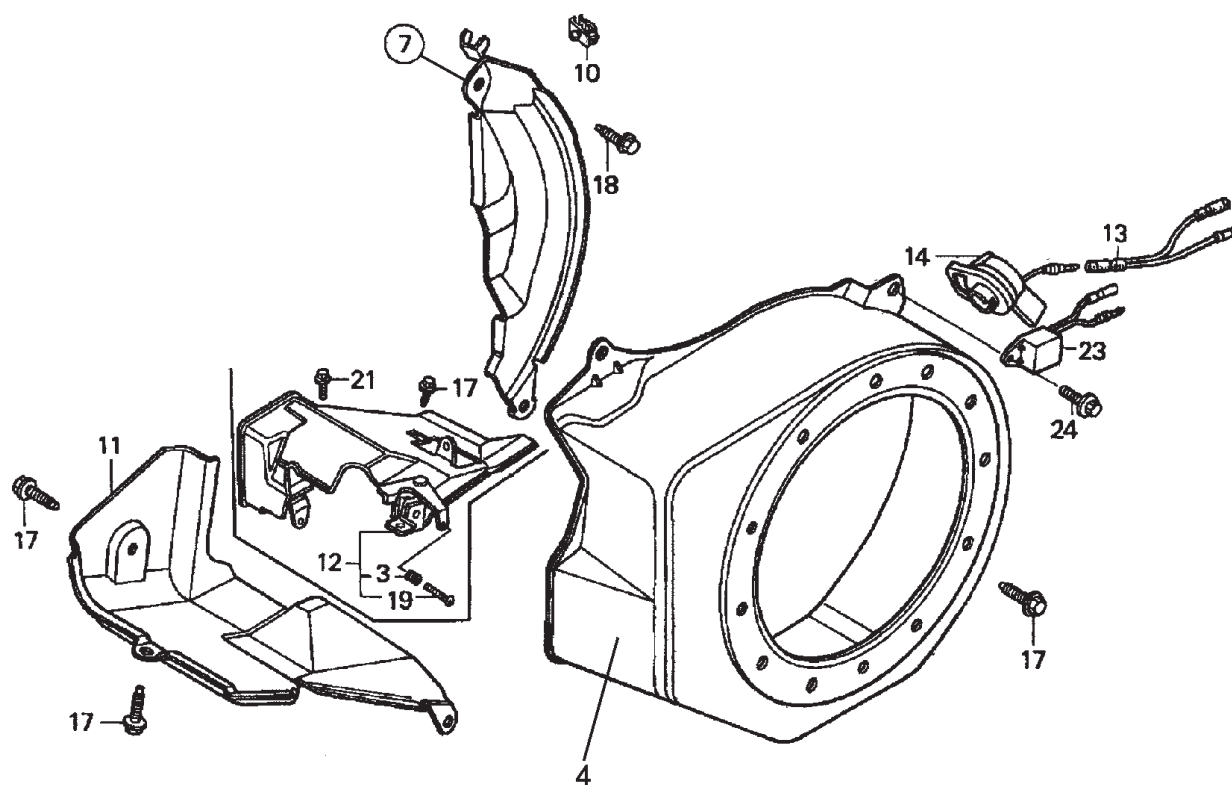
## HONDA GX160K1EMA2 ENGINE — RECOIL STARTER ASSY.

### RECOIL STARTER ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>                 | <u>QTY.</u> | <u>REMARKS</u> |
|-----------|----------------|----------------------------------|-------------|----------------|
| 1         | 28400ZH8013ZB  | STARTER ASSY, RECOIL "NH1" BLACK | 1           |                |
| 2         | 28410ZH8003ZB  | CASE, RECOIL STARTER "NH1" BLACK | 1           |                |
| 3         | 28420ZH8013    | REEL, RECOIL STARTER             | 1           |                |
| 4         | 28422ZH8013    | RATCHET, STARTER                 | 2           |                |
| 5         | 28433ZH8003    | GUIDE, RATCHET                   | 1           |                |
| 6         | 28441ZH8003    | SPRING, FRICTION                 | 1           |                |
| 7         | 28442ZH8003    | SPRING, RECOIL STARTER           | 1           |                |
| 8         | 28443ZH8003    | SPRING, RETURN                   | 2           |                |
| 9         | 28461ZH8003    | KNOB, RECOIL STARTER             | 1           |                |
| 10        | 28462ZH8003    | ROPE, RECOIL STARTER             | 1           |                |
| 12        | 90003ZH8003    | SCREW, SETTING                   | 1           |                |
| 13        | 90008ZE2003    | BOLT, FLANGE 6X10                | 3           |                |

## HONDA GX160K1EMA2 ENGINE — FAN COVER ASSY.

FAN COVER ASSY.



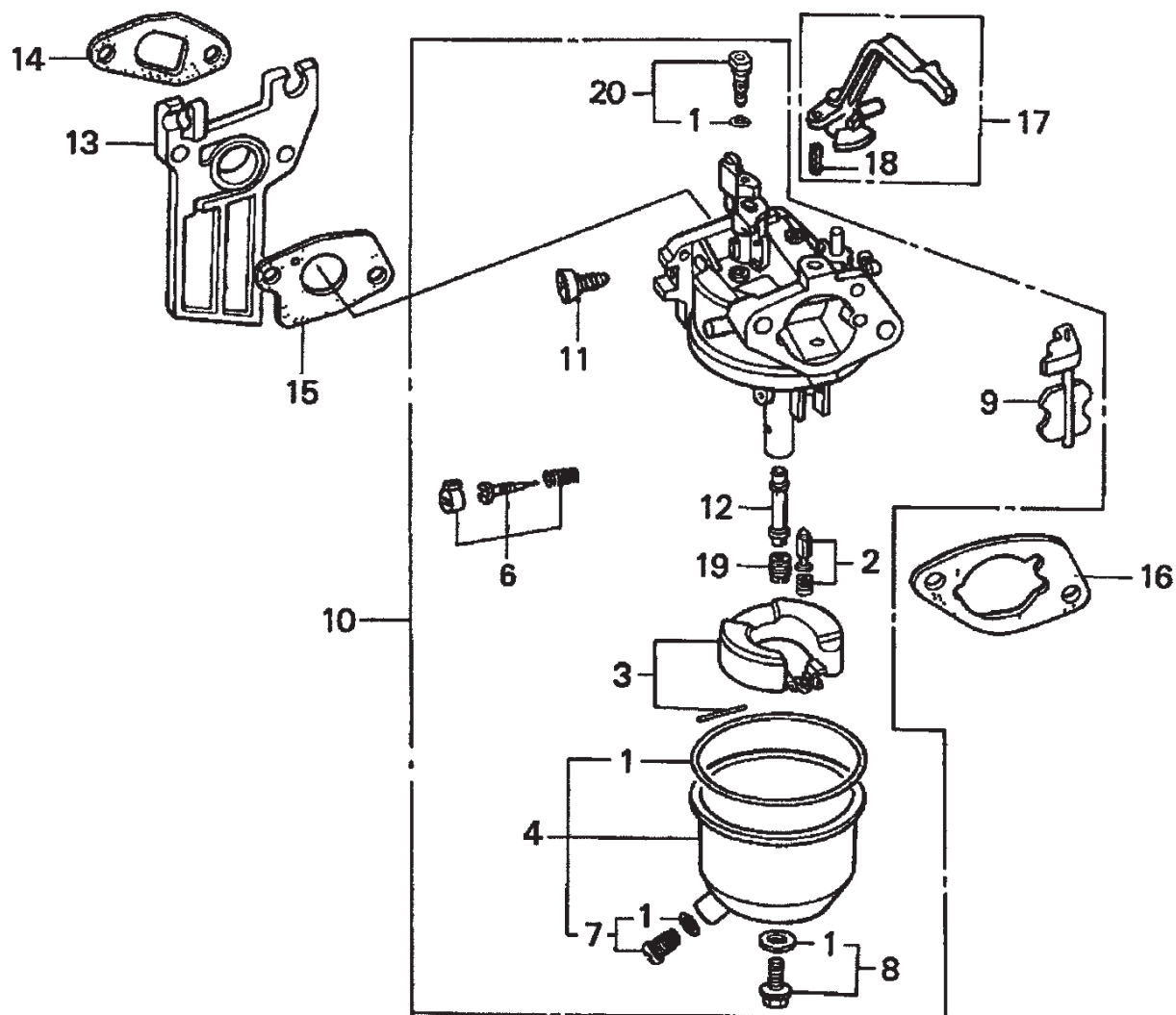
# HONDA GX160K1EMA2 ENGINE — FAN COVER ASSY.

## FAN COVER ASSY.

| <b>NO</b> | <b>PART NO</b> | <b>PART NAME</b>               | <b>QTY.</b> | <b>REMARKS</b>               |
|-----------|----------------|--------------------------------|-------------|------------------------------|
| 3*        | 16584883300    | SPRING, CONTROL ADJUSTING      | 1           |                              |
| 4         | 19610ZE1000ZC  | COVER, FAN "NH1" BLACK         | 1           |                              |
| 7         | 19611ZH8820    | PLATE, SIDE ALERT & LAMP ..... | 1 .....     | USE FROM S/N 475372719       |
| 7         | 19612ZH8821    | PLATE, SIDE LAMP .....         | 1 .....     | USE FROM S/N 4795906~5372718 |
| 7         | 19612ZH8830    | PLATE, SIDE ALERT & LAMP ..... | 1 .....     | USE UP TO S/N 4795905        |
| 10        | 19613ZE1010    | CLAMP, CORD .....              | 1 .....     | USE UP TO S/N 4367320        |
| 10        | 90601ZH7013    | CLAMP, CORD .....              | 1 .....     | USE FROM S/N 4367321         |
| 11        | 19630ZB2000    | SHROUD COMP., LOWER            | 1           |                              |
| 12        | 19640ZB2010    | SHROUD ASSY., UPPER .....      | 1 .....     | USE UP TO S/N 5048024        |
|           |                | .....                          |             | INCLUDES ITEMS W/*           |
| 12        | 19640ZH8R60    | SHROUD ASSY., UPPER .....      | 1 .....     | USE FROM S/N 5048025         |
|           |                | .....                          |             | INCLUDES ITEMS W/*           |
| 13        | 32197ZH8003    | SUB HARNESS .....              | 1 .....     | USE UP TO S/N 4367320        |
| 14        | 36100ZE1015    | ENGINE, STOP SWITCH .....      | 1 .....     | USE UP TO S/N 4368640        |
| 14        | 36100ZH7003    | ENGINE, STOP SWITCH .....      | 1 .....     | USE FROM S/N 4368641         |
| 17        | 90013883000    | BOLT, FANGE 6X12               | 8           |                              |
| 18        | 90022888010    | BOLT, FLANGE 6X20              | 1           |                              |
| 19*       | 93500050350A   | SCREW, PAN 5X35 .....          | 1 .....     | USE UP TO S/N 5048024        |
| 19*       | 93500050400G   | SCREW, PAN 5X40 .....          | 1 .....     | USE FROM S/N 5048025         |
| 21        | 957010600800   | BOLT, FLANGE 6X8               | 1           |                              |
| 23        | 34150ZH7003    | ALERT UNIT, OIL .....          | 1 .....     | USE FROM S/N 5372719         |
| 24        | 957010600800   | BOLT, FLANGE 6X8 .....         | 1 .....     | USE FROM S/N 5372719         |

# HONDA GX160K1EMA2 ENGINE — CARBURETOR ASSY.

CARBURETOR ASSY.



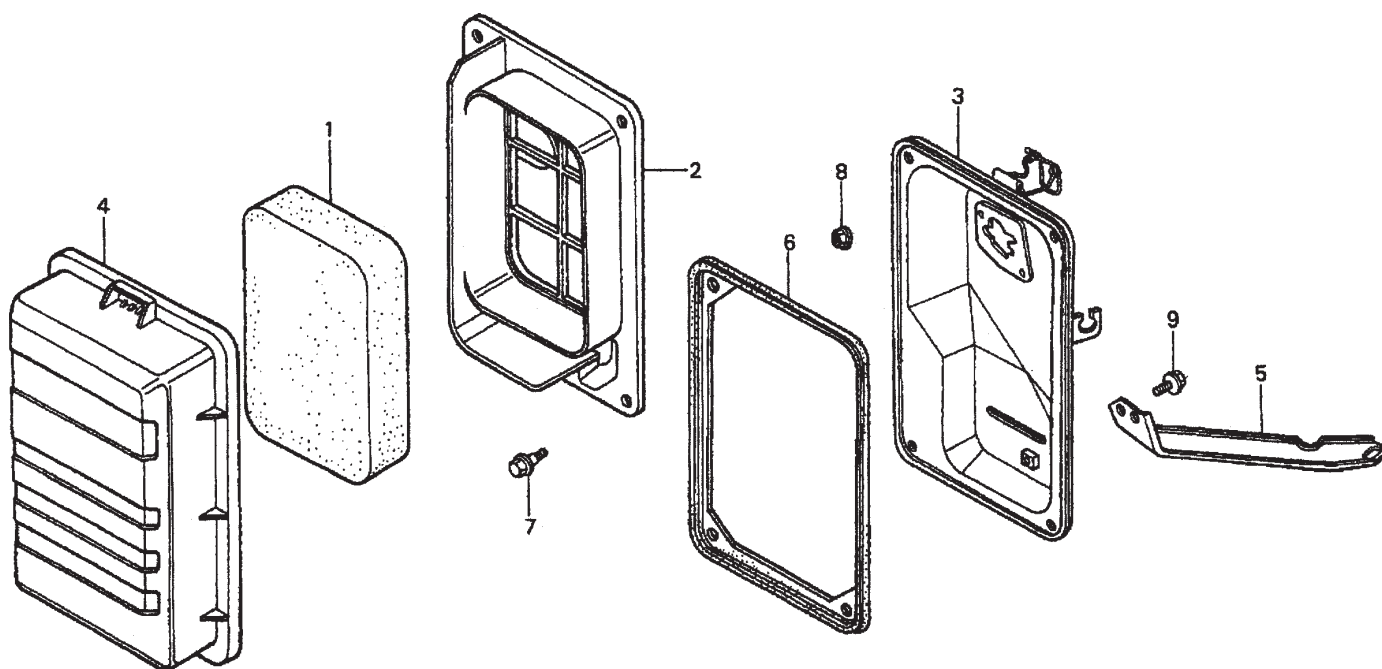
# HONDA GX160K1EMA2 ENGINE — CARBURETOR ASSY.

## CARBURETOR ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>                | <u>QTY.</u> | <u>REMARKS</u>       |
|-----------|----------------|---------------------------------|-------------|----------------------|
| 1#%+      | 16010ZB1015    | GASKET SET                      | 1           |                      |
| 2*        | 16011ZE0005    | VALVE SET, FLOAT                | 1           |                      |
| 3*        | 16013ZE0005    | FLOAT SET                       | 1           |                      |
| 4*        | 16015ZE0831    | CHAMBER SET, FLOAT .....        | 1 .....     | USE FROM S/N BE67A A |
| 4*        | 16015ZE1811    | CHAMBER SET, FLOAT .....        | 1 .....     | USE FROM S/N BE51A A |
| 6*        | 16016ZH7W01    | SCREW SET                       | 1           |                      |
| 7         | 16024ZE1811    | SCREW SET, DRAIN .....          | 1 .....     | INCLUDES ITEMS W/%   |
| 8         | 16028ZE0005    | SCREW SET, B .....              | 1 .....     | INCLUDES ITEMS W/+   |
| 9*        | 16044ZE0005    | CHOKE SET                       | 1           |                      |
| 10        | 16100ZH8E81    | CARBURETOR ASSY,(BE67A B) ..... | 1 .....     | INCLUDES ITEMS W/*   |
| 11*       | 16124ZE0005    | SCREW, THROTTLE STOP            | 1           |                      |
| 12*       | 16166ZH8E80    | NOZZLE, MAIN                    | 1           |                      |
| 13        | 16211ZE1000    | INSULATOR, CARBURETOR           | 1           |                      |
| 14        | 16212ZH8800    | GASKET, INSULATOR               | 1           |                      |
| 15        | 16221ZH8801    | GASKET, CARBURETOR              | 1           |                      |
| 16        | 16269ZE1800    | GASKET, AIR CLEANER             | 1           |                      |
| 17        | 16610ZB2000    | LEVER COMP., CHOKE .....        | 1 .....     | INCLUDES ITEMS W/ <  |
| 18 <      | 9430520122     | PIN, SPRING 2X12                | 1           |                      |
| 19        | 99101ZH80700   | JET, MAIN, #70, OPTION          | 1           |                      |
| 19        | 99101ZH80720   | JET, MAIN, #72, OPTION          | 1           |                      |
| 19*       | 99101ZH80750   | JET, MAIN, #75,                 | 1           |                      |
| 20*       | 99204ZE00350   | JET SET, PILOT, #35 .....       | 1 .....     | INCLUDES ITEMS W/#   |

## HONDA GX160K1EMA2 ENGINE — AIR CLEANER ASSY.

AIR CLEANER ASSY.



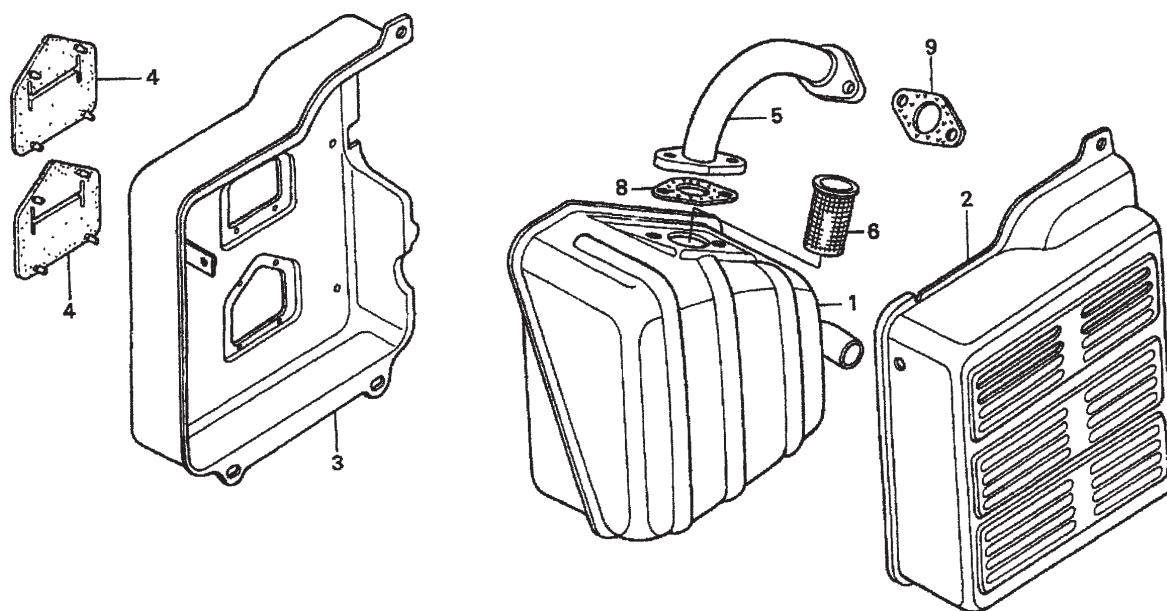
## HONDA GX160K1EMA2 ENGINE — AIR CLEANER ASSY.

### AIR CLEANER ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>        | <u>QTY.</u> | <u>REMARKS</u> |
|-----------|----------------|-------------------------|-------------|----------------|
| 1         | 17211ZB2000    | ELEMENT, AIR CLEANER    | 1           |                |
| 2         | 17212ZB2000    | SEPARATOR, AIR CLEANER  | 1           |                |
| 3         | 17220ZB2000    | CASE COMP., AIR CLEANER | 1           |                |
| 4         | 17231ZB2000    | COVER AIR CLEANER       | 1           |                |
| 5         | 17239ZB2000    | STAY AIR CLEANER        | 1           |                |
| 6         | 17252ZB2000    | SEAL, AIR CLEANER       | 1           |                |
| 7         | 90115459770    | BOLT, SETTING           | 4           |                |
| 8         | 9405006080     | BOLT, FLANGE, 6MM       | 2           |                |
| 9         | 957010601000   | BOLT, FLANGE, 6X10      | 1           |                |

## HONDA GX160K1EMA2 ENGINE — MUFFLER ASSY.

MUFFLER ASSY.

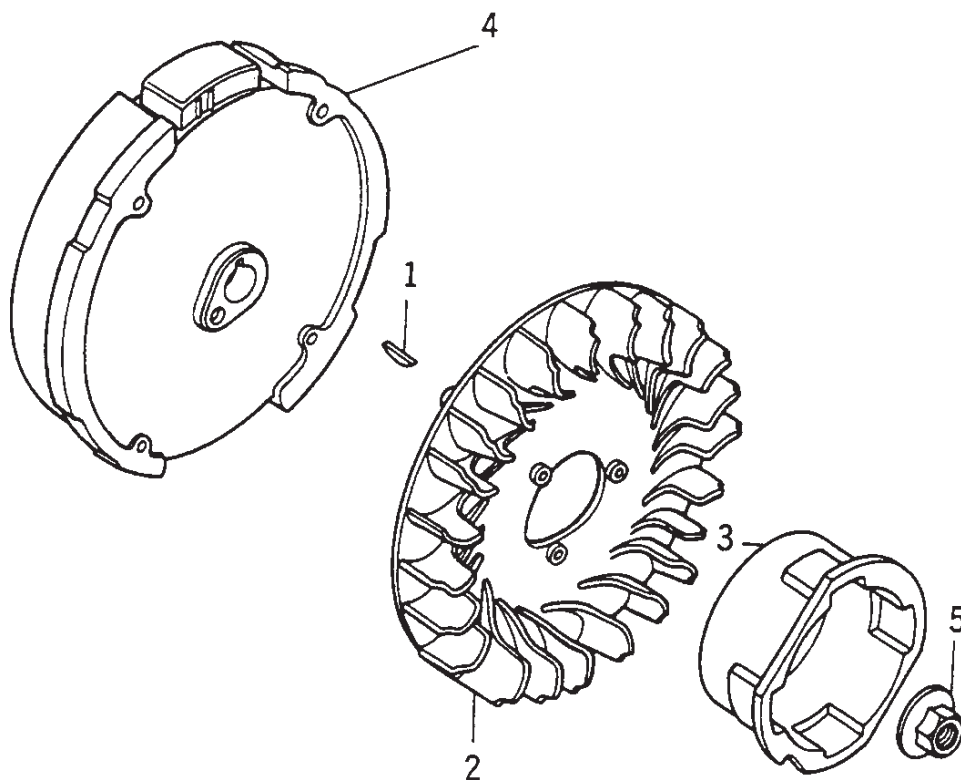


## HONDA GX160K1EMA2 ENGINE — MUFFLER ASSY.

MUFFLER ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>         | <u>QTY.</u> | <u>REMARKS</u> |
|-----------|----------------|--------------------------|-------------|----------------|
| 1         | 18310ZB3C00    | MUFFLER COMP.            | 1           |                |
| 2         | 18320ZB2000    | PROTECTOR, MUFFLER OUTER | 1           |                |
| 3         | 18325ZH8T90    | PROTECTOR, MUFFLER INNER | 1           |                |
| 4         | 18329ZB2000    | SEAL, MUFFLER PROTECTOR  | 2           |                |
| 5         | 18330ZH8T90    | PIPE COMP., EX           | 1           |                |
| 6         | 18355898630    | ARRESTER, SPARK          | 1           |                |
| 8         | 18381ZE1800    | GASKET, MUFFLER          | 1           |                |
| 9         | 18381ZH8800    | GASKET, MUFFLER          | 1           |                |

## HONDA GX160K1EMA2 ENGINE — FLYWHEEL ASSY.



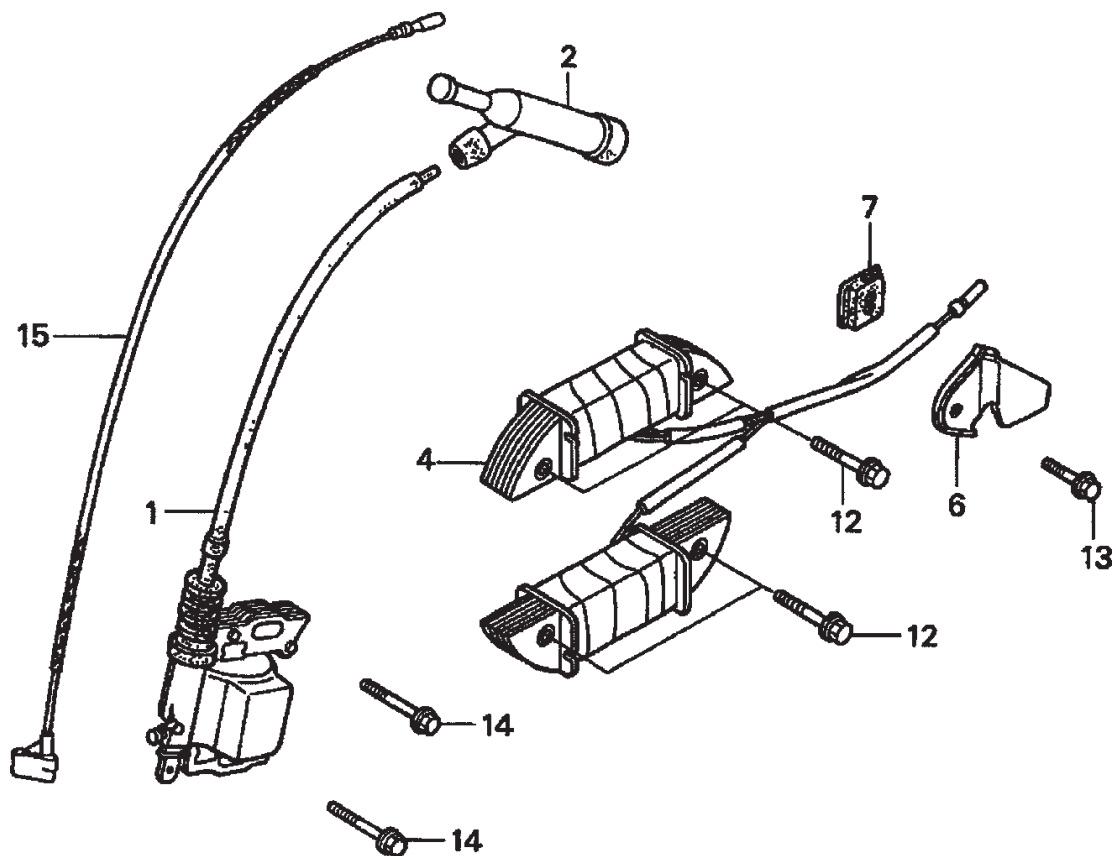
## HONDA GX160K1EMA2 ENGINE — FLYWHEEL ASSY.

FLYWHEEL ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>              | <u>QTY.</u> | <u>REMARKS</u> |
|-----------|----------------|-------------------------------|-------------|----------------|
| 1         | 13331357000    | KEY, SPECIAL WOOD RUFF, 25X18 | 1           |                |
| 2         | 19511ZE1000    | FAN, COOLING                  | 1           |                |
| 3         | 28451ZH8003    | PULLEY, STARTER               | 1           |                |
| 4         | 31100ZE1811    | FLYWHEEL (LAMP)               | 1           |                |
| 5         | 90201878003    | NUT, SPECIAL, 14MM            | 1           |                |

## HONDA GX160K1EMA2 ENGINE — IGNITION COIL ASSY.

IGNITION COIL ASSY.



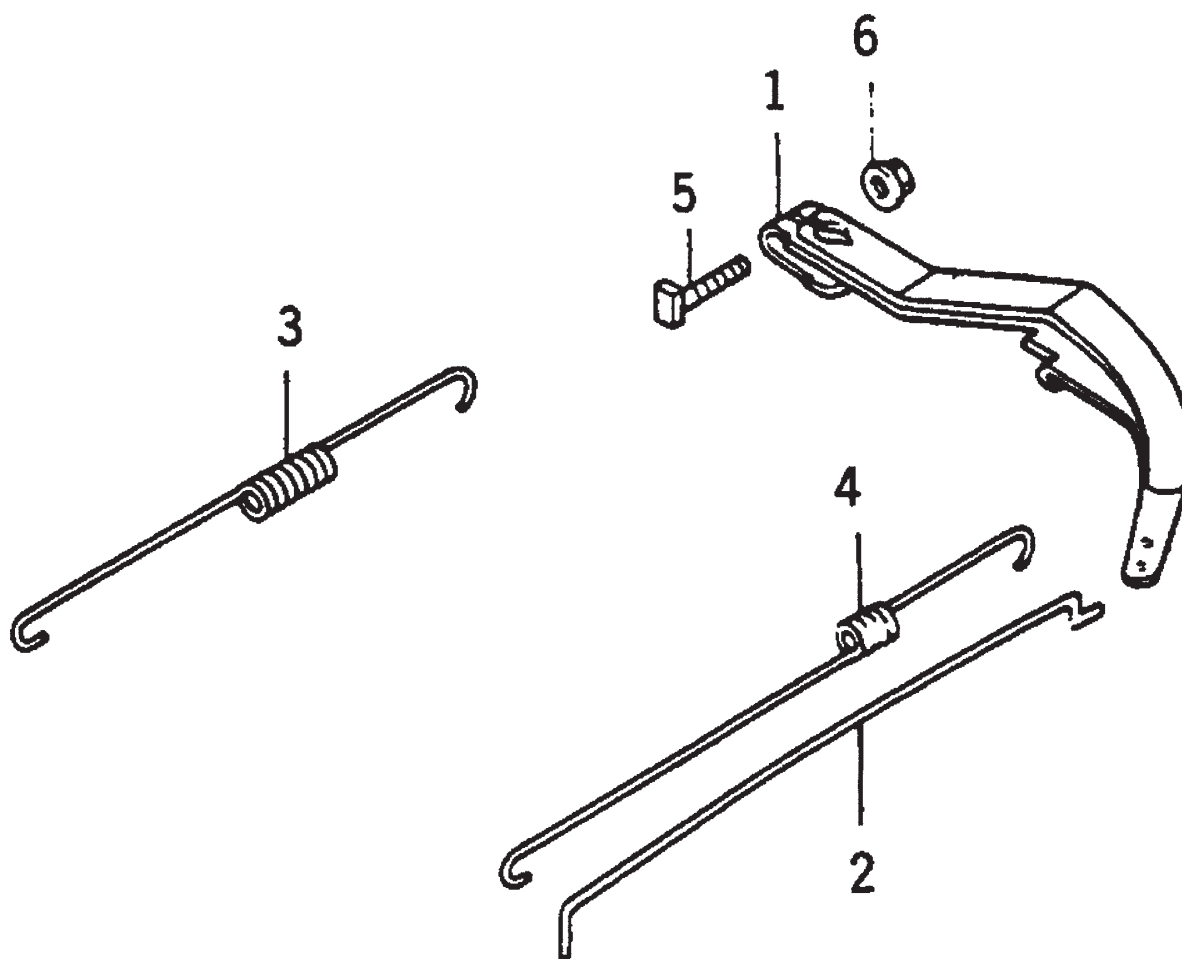
## HONDA GX160K1EMA2 ENGINE — IGNITION COIL ASSY.

### IGNITION COIL ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>            | <u>QTY.</u> | <u>REMARKS</u> |
|-----------|----------------|-----------------------------|-------------|----------------|
| 1         | 30500ZE1043    | COIL ASSY., IGNITION        | 1           |                |
| 2         | 30700ZE1013    | CAP ASSY., NOISE SUPPRESSOR | 1           |                |
| 4         | 31510ZE1811    | COIL ASSY., LAMP (12V25W)   | 1           |                |
| 6         | 31511ZE1000    | CLAMP, WIRE                 | 1           |                |
| 7         | 31512ZE1000    | GROMMET, WIRE               | 1           |                |
| 12        | 90015883000    | BOLT, FLANGE, 6X28          | 2           |                |
| 13        | 90019883000    | BOLT, FLANGE, 5X10          | 1           |                |
| 14        | 90121952000    | BOLT, FLANGE, 6X25          | 2           |                |
| 15        | 36101ZE1010    | WIRE, STOP SWITCH           |             |                |

## HONDA GX160K1EMA2 ENGINE — GOVERNOR/CONTROL ASSY.

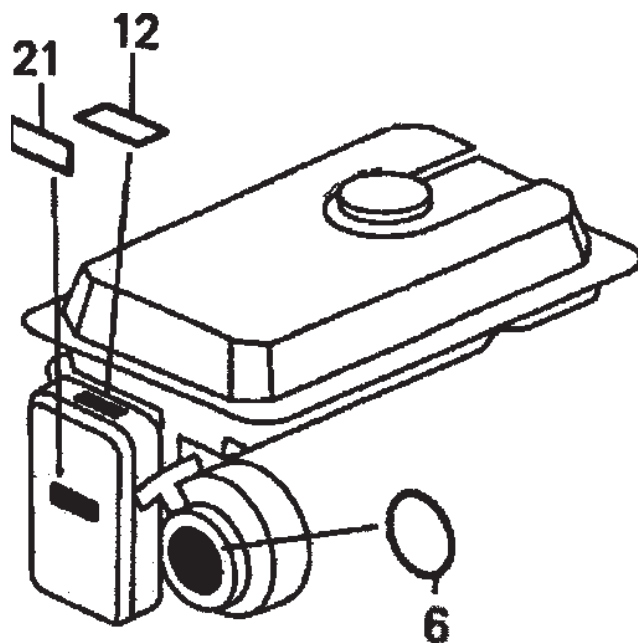
GOVERNOR/CONTROL ASSY.



# HONDA GX160K1EMA2 ENGINE — GOVERNOR/CONTROL ASSY.

## GOVERNOR/CONTROL ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>        | <u>QTY.</u> | <u>REMARKS</u>               |
|-----------|----------------|-------------------------|-------------|------------------------------|
| 1         | 16551ZE0010    | ARM, GOVERNOR .....     | 1 .....     | USE UP TO S/N 4913229        |
| 1         | 16551ZL0010    | ARM, GOVERNOR .....     | 1 .....     | USE FROM S/N 4913230         |
| 2         | 16555ZE1000    | ROD, GOVERNOR           | 1           |                              |
| 3         | 16561ZH8D00    | SPRING, GOVERNOR .....  | 1 .....     | USE UP TO S/N 4913229        |
| 3         | 16561ZL0U30    | SPRING, GOVERNOR .....  | 1 .....     | USE FROM S/N 4913230~5048024 |
| 3         | 16561ZL0000    | SPRING, GOVERNOR .....  | 1 .....     | USE FROM S/N 5048025         |
| 4         | 16562ZE1020    | SPRING, THROTTLE RETURN | 1           |                              |
| 5         | 90015ZE5010    | BOLT, GOVERNOR ARM      | 1           |                              |
| 6         | 9405006000     | NUT, FLANGE, 6MM        | 1           |                              |



## HONDA GX160K1EMA2 ENGINE — LABELS ASSY.

IGNITION COIL ASSY.

| <u>NO</u> | <u>PART NO</u> | <u>PART NAME</u>   | <u>QTY.</u> | <u>REMARKS</u> |
|-----------|----------------|--------------------|-------------|----------------|
| 1         | 87521ZH8020    | EMBLEM, 5.5 HP     | 1           |                |
| 12        | 87528ZB2630    | DECAL, CHOKE       | 1           |                |
| 21        | 87533ZC0630    | DECAL, AIR CLEANER | 1           |                |