

**Robin Industrial Engines®**

# **PARTS MANUAL**

**Model**

**R1700i  
Generator**

PUB-GP6050  
Rev. 05/04

**Robin**  
**SUBARU**

# **Robin America, Inc.**

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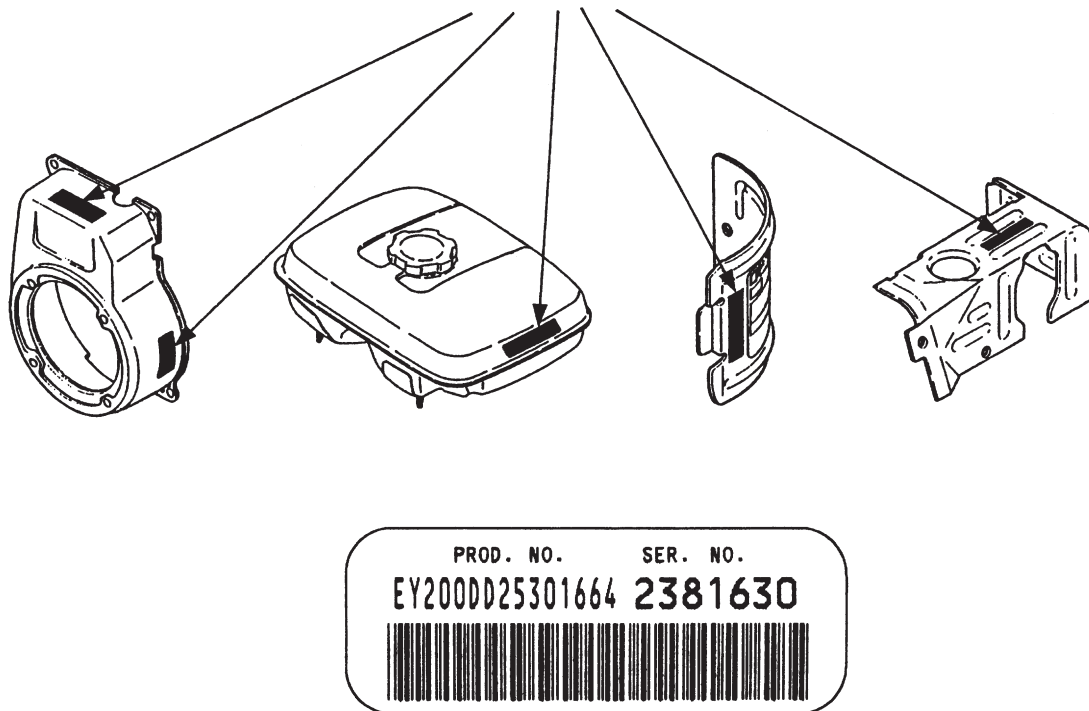
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## HOW TO USE THIS MANUAL

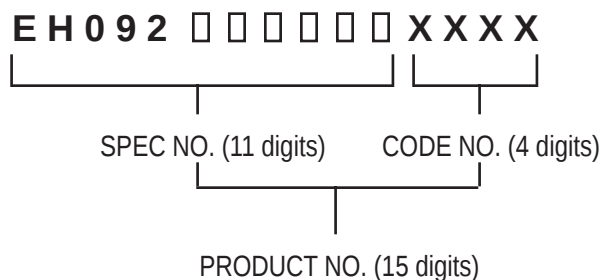
Robin engines are identified by MODEL, SPECIFICATION, and CODE NUMBER. For each model there may be many different versions called specifications. Each specification will be unique in some way. The difference may only be the paint color or it may have a different type of PTO or some other significant difference.

In order to identify the correct service part number, it is important to confirm the specification and code numbers for your engine. The specification and code number together are known as the PRODUCT NUMBER.

All Robin 4 cycle engines have a Product Number label similar to the label illustrated below.



The Product Number Label has a 15 digit alphanumeric string that consists of the SPECIFICATION (SPEC) number (11 digits) and the CODE number (4 digits). Please note the illustration below:



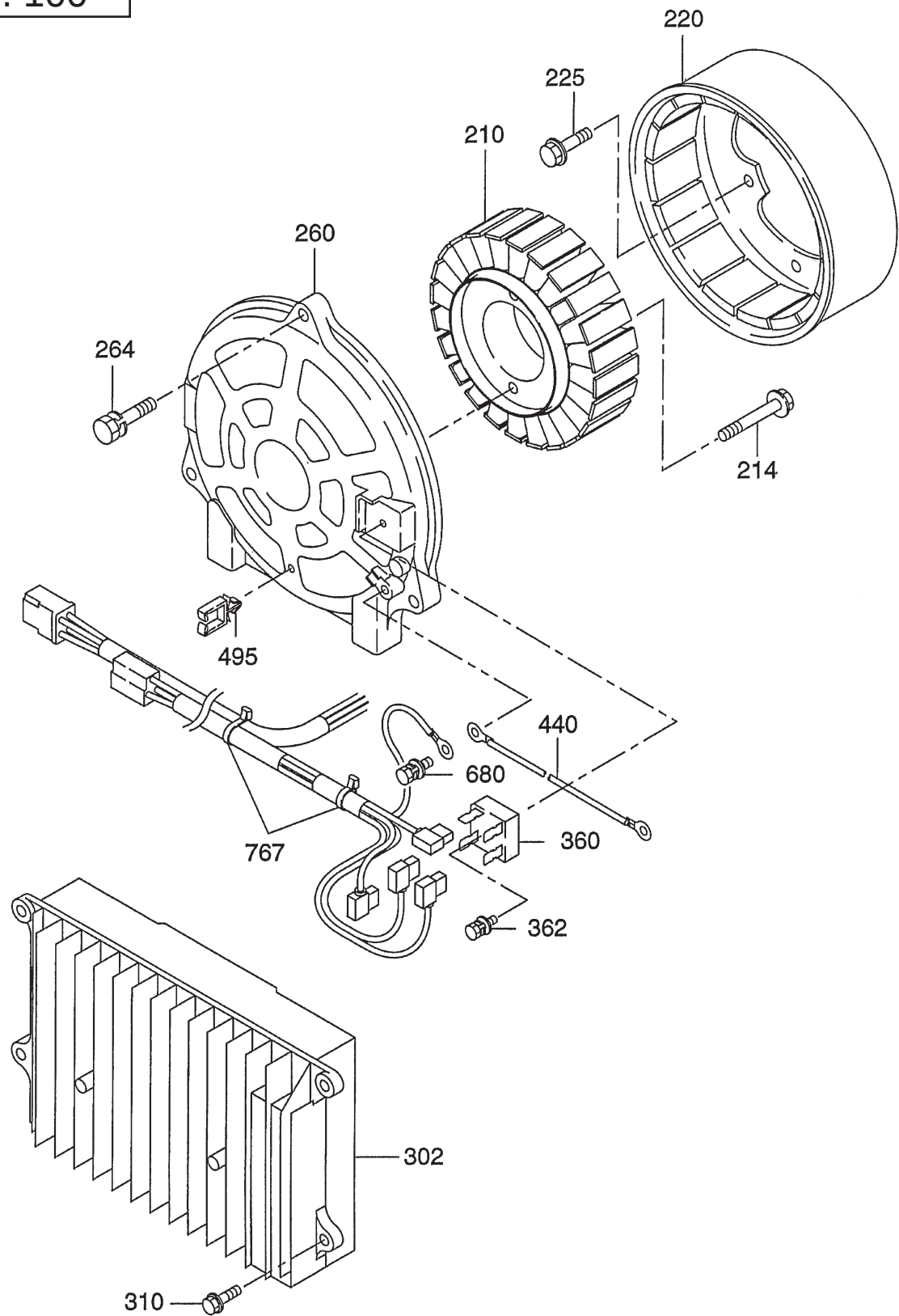


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| INDEX OF DESCRIPTION SYMBOLS |                     |                    |                   |
|------------------------------|---------------------|--------------------|-------------------|
| SYMBOL                       | DESCRIPTION         | SYMBOL             | DESCRIPTION       |
| AY .....                     | ASSEMBLY            | P= .....           | PITCH (in mm)     |
| CP.....                      | COMPLETE            | P.T.O. (PTO) ..... | POWER TAKE OFF    |
| EX.....                      | EXPORT (from Japan) | REF.....           | REFERENCE         |
| FIG.....                     | FIGURE              | R.H. (RH).....     | RIGHT HAND SIDE   |
| FR.....                      | FRONT               | RR. ....           | REAR              |
| " .....                      | INCH                | STD. ....          | STANDARD          |
| INCL. ....                   | INCLUDE             | SW .....           | SWITCH            |
| ~L.....                      | LITER               | T= .....           | THICKNESS (in mm) |
| L= .....                     | LENGTH (in. mm)     | UN .....           | UNIT              |
| L.H. (LH).....               | LEFT-HAND SIDE      | U.S.....           | UNDER SIZE        |
| MECH.....                    | MECHANICAL          | ~V .....           | VOLTAGE           |
| NO (NON).....                | NONE                | ~W .....           | WATT              |
| OPT.....                     | OPTIONAL            | W/ .....           | WITH              |
| O.S. ....                    | OVER SIZE           | W/O .....          | WITHOUT           |

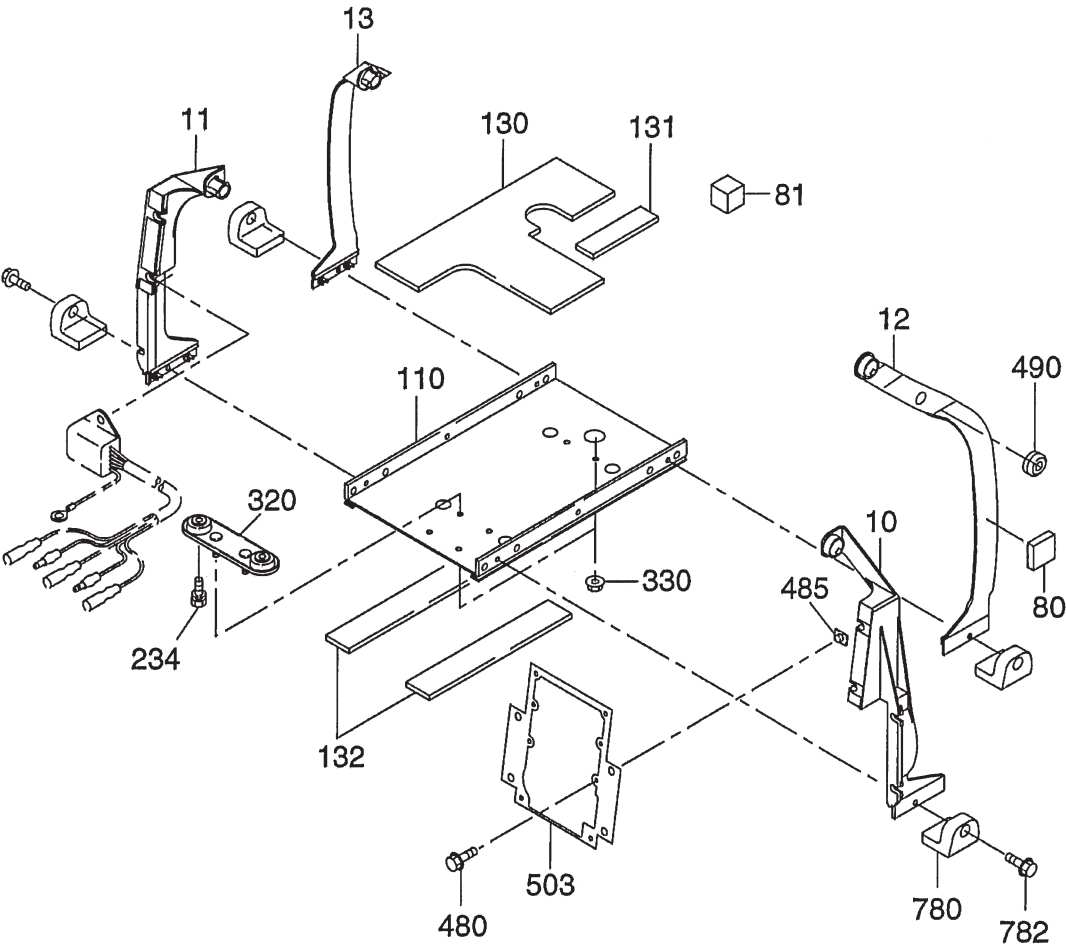
FIG. 100



## SECTION 1 GENERATOR GROUP

[illegible]

FIG. 200

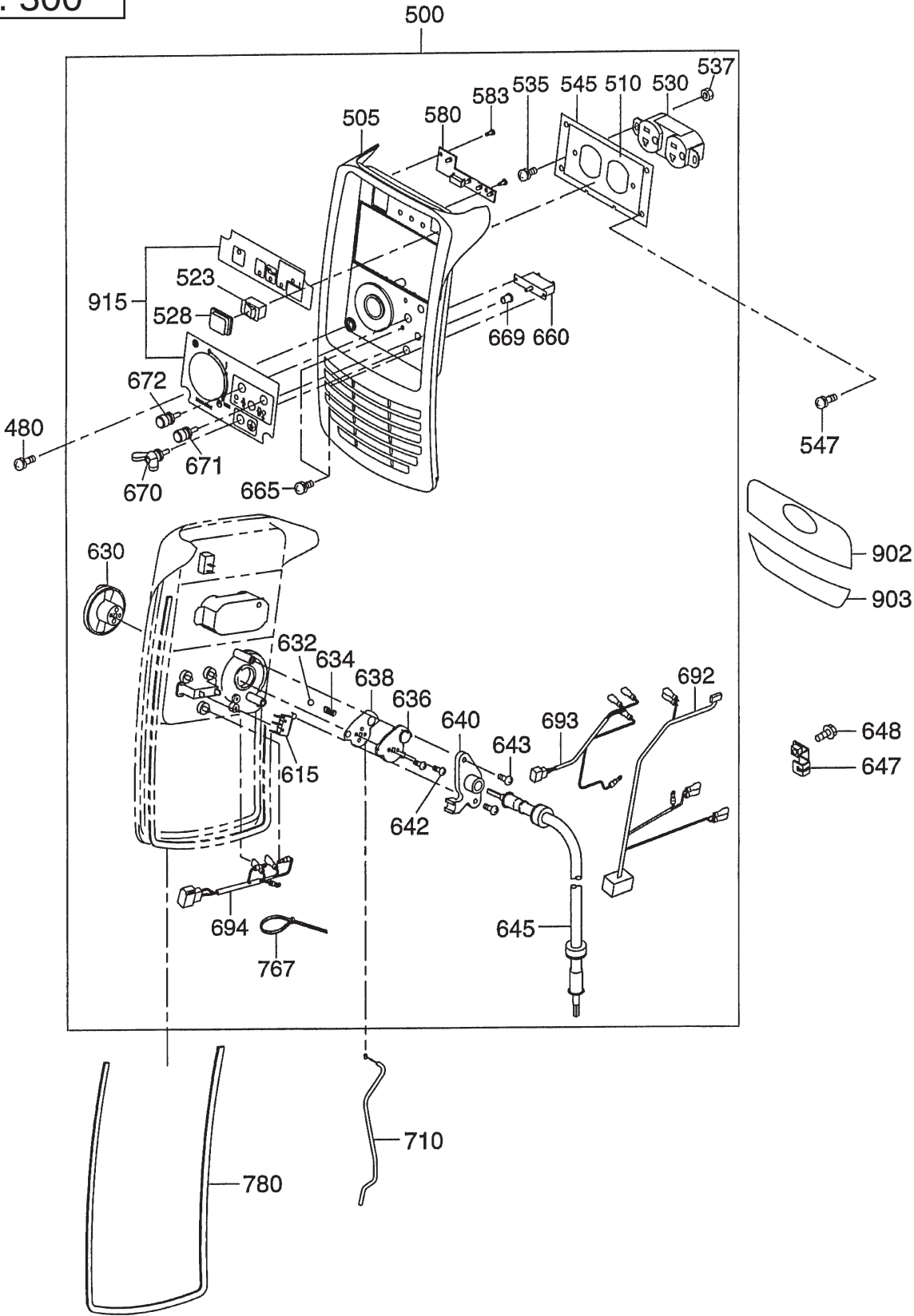


## FRAME GROUP

[illegible]

SECTION 3      CONTROL GROUP

FIG. 300

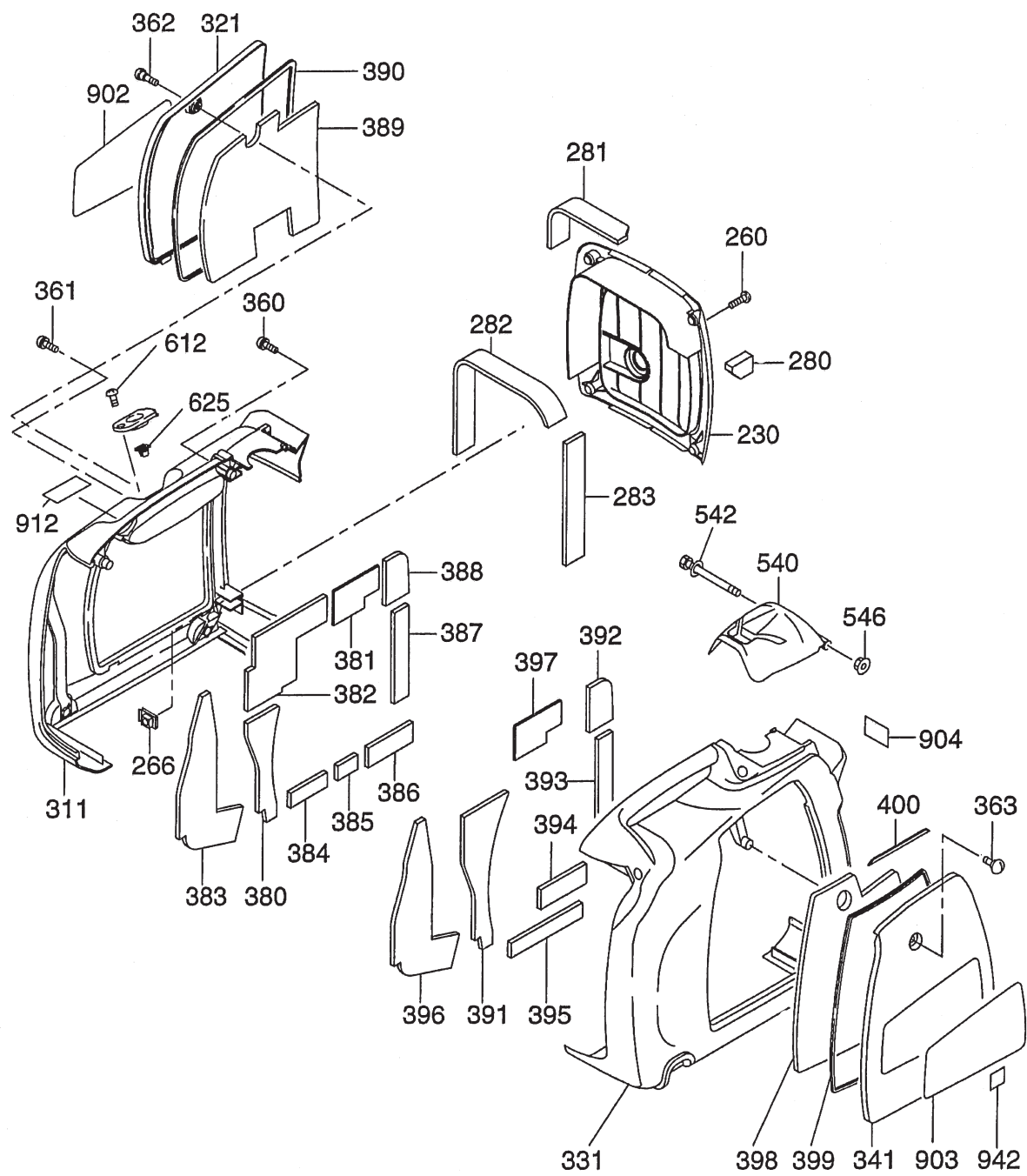


## SECTION 3 CONTROL GROUP

| REF | PART NO      | DESCRIPTION            | QTY | REMARKS | FROM - TO | FIG |
|-----|--------------|------------------------|-----|---------|-----------|-----|
| 480 | 014-00501-00 | SCREW                  | 4   |         |           | 300 |
| 500 | 33K-40031-50 | CONTROL PANEL AY       | 1   |         |           | 300 |
| 505 | 33K-40101-03 | FRONT PANEL            | 1   |         |           | 300 |
| 510 | 33K-41905-03 | FILM                   | 1   |         |           | 300 |
| 523 | 34K-41812-03 | ROCKER SWITCH          | 1   |         |           | 300 |
| 528 | 33K-41813-03 | SWITCH COVER           | 1   |         |           | 300 |
| 530 | 391-47000-03 | AC RECEPTACLE          | 1   |         |           | 300 |
| 535 | 351-49920-08 | SCREW and WASHER AY    | 2   |         |           | 300 |
| 537 | 002-17040-00 | NUT                    | 2   |         |           | 300 |
| 545 | 33K-40700-03 | CONSENT BRACKET        | 1   |         |           | 300 |
| 547 | 013-10400-60 | SCREW and WASHER AY    | 4   |         |           | 300 |
| 580 | KD3-11011-11 | OIL and RUN INDICATOR  | 1   |         |           | 300 |
| 583 | 015-00300-20 | TAPPING SCREW          | 2   |         |           | 300 |
| 615 | 33K-41811-03 | MICRO SWITCH           | 1   |         |           | 300 |
| 630 | 33K-42010-03 | CONTROL DIAL           | 1   |         |           | 300 |
| 632 | 33K-42071-03 | BALL, dial             | 1   |         |           | 300 |
| 634 | 33K-42074-03 | SPRING, dial           | 1   |         |           | 300 |
| 636 | 33K-42020-03 | CHOKE REEL             | 1   |         |           | 300 |
| 638 | 33K-42030-13 | PLATE                  | 1   |         |           | 300 |
| 640 | 33K-42040-03 | WIRE PLATE             | 1   |         |           | 300 |
| 642 | 015-00400-70 | TAPPING SCREW          | 2   |         |           | 300 |
| 643 | 33K-41814-08 | TAPPING SCREW          | 2   |         |           | 300 |
| 645 | 33K-42050-11 | ROLLING WIRE CP        | 1   |         |           | 300 |
| 647 | 33K-42080-03 | CHOKE BRACKET          | 1   |         |           | 300 |
| 648 | 011-00600-10 | FLANGE BOLT            | 1   |         |           | 300 |
| 660 | 33K-41833-03 | CIRCUIT BREAKER        | 1   |         |           | 300 |
| 665 | 013-10300-10 | SCREW and WASHER AY    | 2   |         |           | 300 |
| 669 | 33K-41817-03 | BREAKER CP             | 2   |         |           | 300 |
| 670 | 33K-42090-01 | TERMINAL BOLT          | 1   |         |           | 300 |
| 671 | 363-45701-08 | TERMINAL BOLT, Red 20A | 1   |         |           | 300 |
| 672 | 363-45700-08 | TERMINAL BOLT, Blk 20A | 1   |         |           | 300 |
| 692 | 33K-41817-13 | PANEL HARNESS          | 1   |         |           | 300 |
| 693 | 33K-41815-01 | ENGINE HARNESS         | 1   |         |           | 300 |
| 694 | 34K-41816-13 | DC OUT HARNESS         | 1   |         |           | 300 |
| 710 | 33K-42060-21 | CHOKE WIRE             | 1   |         |           | 300 |
| 767 | 056-30000-20 | WIRE BAND              | 1   |         |           | 300 |
| 780 | 33K-58411-03 | SEAL SPONGE            | 1   |         |           | 300 |
| 902 | 34K-49511-03 | LABEL, front           | 1   |         |           | 300 |
| 903 | 34K-95101-03 | LABEL 2, front         | 1   |         |           | 300 |
| 915 | 34K-41852-03 | FILM INV               | 1   |         |           | 300 |
|     |              |                        |     |         |           |     |
|     |              |                        |     |         |           |     |
|     |              |                        |     |         |           |     |
|     |              |                        |     |         |           |     |
|     |              |                        |     |         |           |     |
|     |              |                        |     |         |           |     |
|     |              |                        |     |         |           |     |
|     |              |                        |     |         |           |     |

SECTION 4      COVER GROUP

FIG. 400

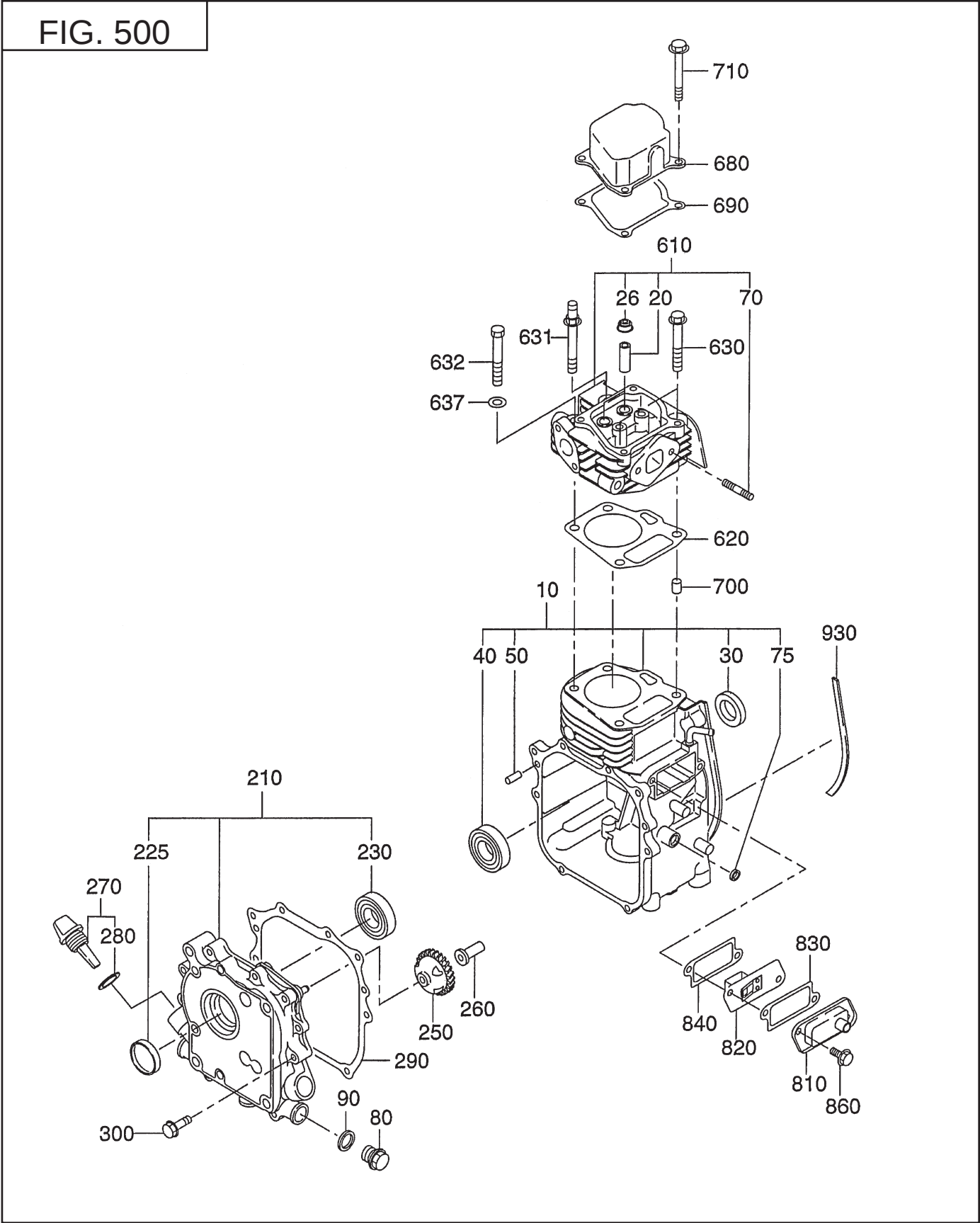


## SECTION 4 COVER GROUP

| REF | PART NO      | DESCRIPTION          | QTY | REMARKS | FROM - TO | FIG |
|-----|--------------|----------------------|-----|---------|-----------|-----|
| 230 | 33K-50201-03 | REAR COVER           | 1   |         |           | 400 |
| 260 | 013-10600-30 | SCREW and WASHER     | 4   |         |           | 400 |
| 266 | 33K-50205-01 | NUT                  | 4   |         |           | 400 |
| 280 | 33K-58318-13 | REAR COVER SPONGE 1  | 2   |         |           | 400 |
| 281 | 33K-58319-13 | REAR COVER SPONGE 2  | 1   |         |           | 400 |
| 282 | 33K-88322-03 | REAR COVER SPONGE 3  | 1   |         |           | 400 |
| 283 | 33K-58324-03 | REAR COVER SPONGE 4  | 1   |         |           | 400 |
| 311 | 33K-50301-13 | CASE BODY, L         | 1   |         |           | 400 |
| 321 | 33K-50311-03 | SIDE PANEL, L        | 1   |         |           | 400 |
| 331 | 33K-50401-13 | CASE BODY, R         | 1   |         |           | 400 |
| 341 | 33K-50411-03 | SIDE PANEL, R        | 1   |         |           | 400 |
| 360 | 004-36062-50 | SCREW and WASHER     | 2   |         |           | 400 |
| 361 | 004-36062-00 | SCREW and WASHER     | 1   |         |           | 400 |
| 362 | 33K-50501-03 | BOLT, panel          | 1   |         |           | 400 |
| 363 | 33K-50501-03 | BOLT, panel          | 1   |         |           | 400 |
| 380 | 33K-58301-03 | SPONGE CASE, L       | 1   |         |           | 400 |
| 381 | 33K-58307-03 | SPONGE CASE, L 5     | 1   |         |           | 400 |
| 382 | 33K-58305-03 | SPONGE CASE, L 3     | 1   |         |           | 400 |
| 383 | 33K-58304-03 | SPONGE CASE, L 2     | 1   |         |           | 400 |
| 384 | 33K-58308-03 | SPONGE CASE, L 6     | 1   |         |           | 400 |
| 385 | 33K-58309-03 | SPONGE CASE, L 7     | 1   |         |           | 400 |
| 386 | 33K-58408-03 | SPONGE CASE, R 6     | 1   |         |           | 400 |
| 387 | 33K-58409-03 | SPONGE CASE, R7      | 1   |         |           | 400 |
| 388 | 33K-58306-03 | SPONGE CASE, L4      | 1   |         |           | 400 |
| 389 | 33K-58302-03 | SPONGE PANEL, L      | 1   |         |           | 400 |
| 390 | 33K-58303-03 | SEAL SPONGE, L       | 1   |         |           | 400 |
| 391 | 33K-58401-03 | SPONGE CASE, R       | 1   |         |           | 400 |
| 392 | 33K-58406-03 | SPONGE CASE, R 4     | 1   |         |           | 400 |
| 393 | 33K-58409-03 | SPONGE CASE, R 7     | 1   |         |           | 400 |
| 394 | 33K-58408-03 | SPONGE CASE, R 6     | 1   |         |           | 400 |
| 395 | 33K-58407-03 | SPONGE CASE, R5      | 1   |         |           | 400 |
| 396 | 33K-58404-03 | SPONGE CASE, R 2     | 1   |         |           | 400 |
| 397 | 33K-58405-03 | SPONGE CASE, R 3     | 1   |         |           | 400 |
| 398 | 33K-58402-03 | SPONGE PANEL, R      | 1   |         |           | 400 |
| 399 | 33K-58403-03 | SEAL SPONGE, R       | 1   |         |           | 400 |
| 400 | 33K-58410-03 | SEAL SPONGE, R 2     | 1   |         |           | 400 |
| 540 | 33K-55001-13 | TANK CAP COVER       | 1   |         |           | 400 |
| 542 | 013-10400-91 | SCREW and WASHER     | 1   |         |           | 400 |
| 546 | 018-00400-00 | FLANGE NUT           | 1   |         |           | 400 |
| 612 | 015-00400-90 | TAPPING SCREW        | 1   |         |           | 400 |
| 625 | 33K-53002-03 | SCREW GROMMET        | 1   |         |           | 400 |
| 902 | 33K-91202-13 | LABEL, Model (L)     | 1   |         |           | 400 |
| 903 | 33K-91201-13 | LABEL, Model (R)     | 1   |         |           | 400 |
| 904 | 33K-91602-13 | LABEL, Specification | 1   |         |           | 400 |
| 912 | 33K-94002-03 | LABEL, Caution       | 1   |         |           | 400 |
| 942 | 073-20045-20 | LABEL, Oil caution   | 1   |         |           | 400 |
|     |              |                      |     |         |           |     |

SECTION 5      CRANKCASE GROUP

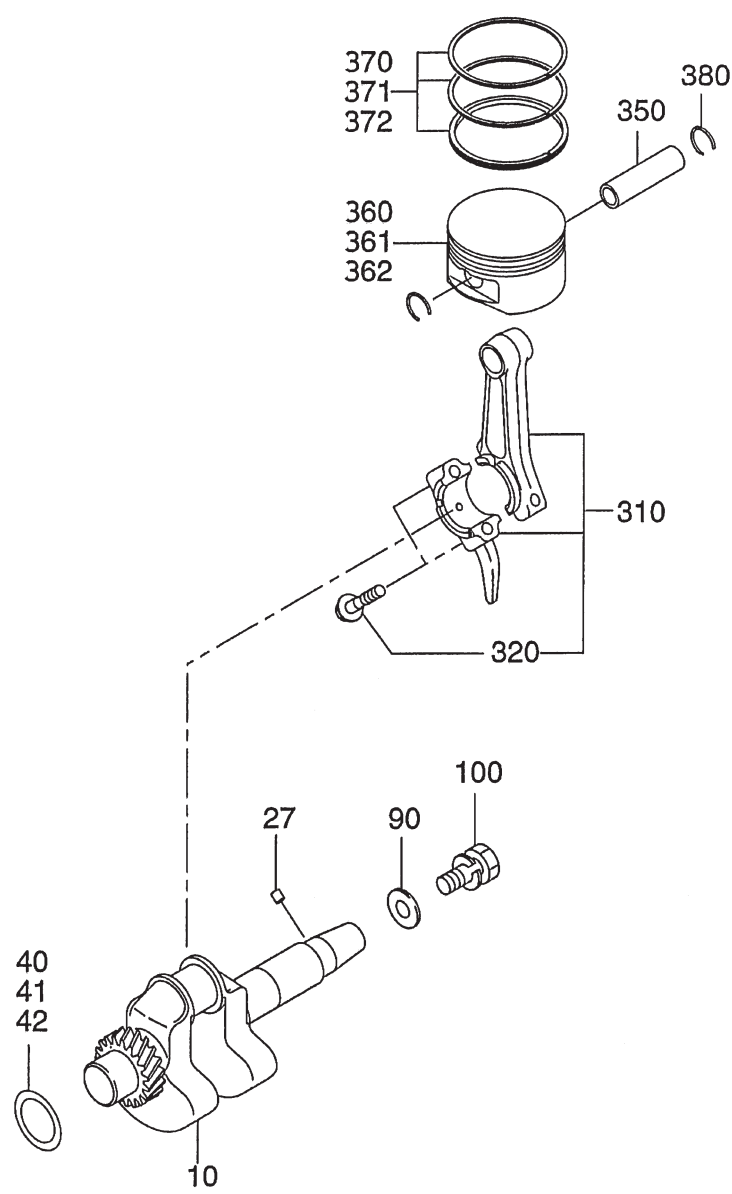
FIG. 500



## SECTION 5 CRANKCASE GROUP

[illegible]

FIG. 600

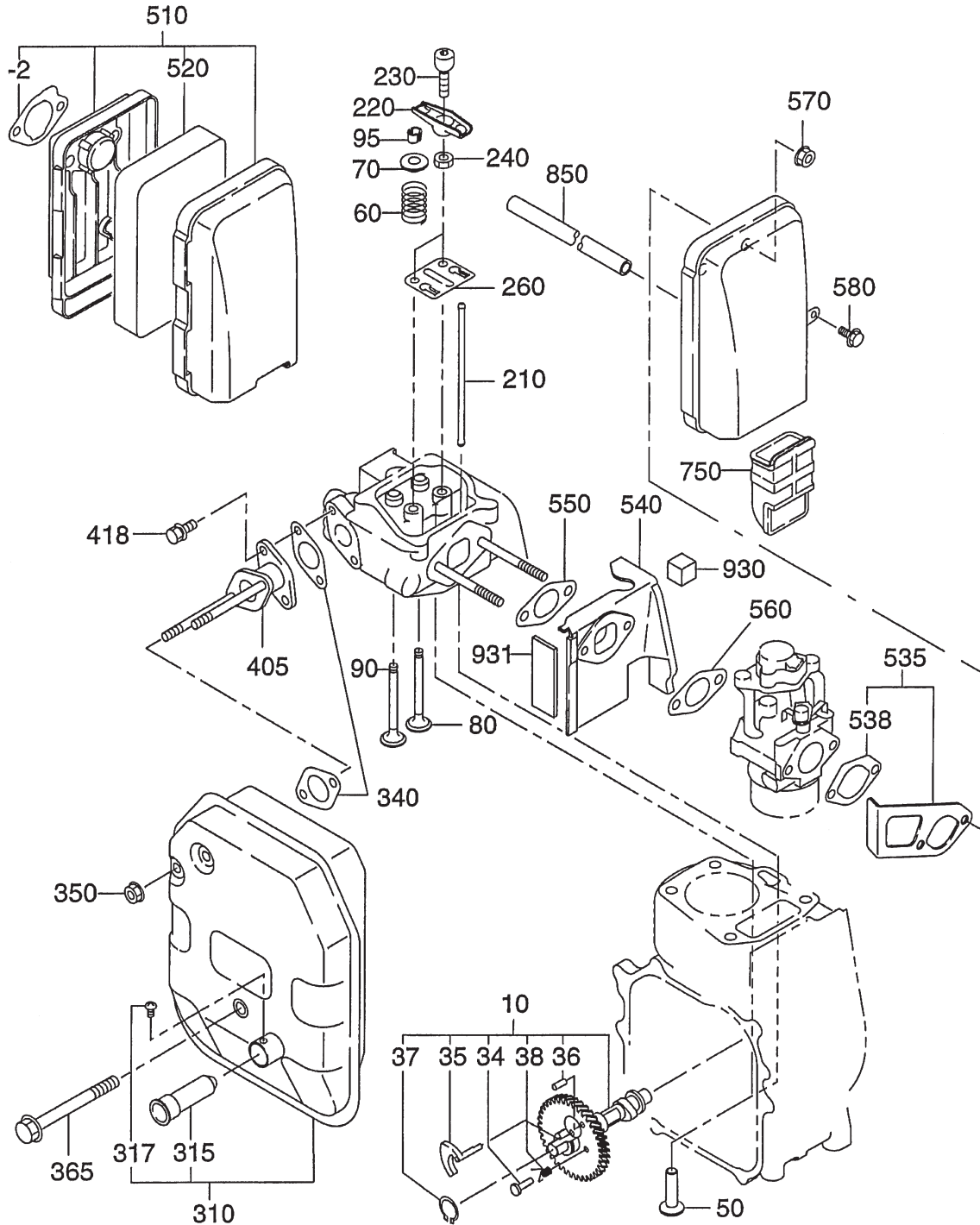


## SECTION 6 CRANKSHAFT, PISTON GROUP

[illegible]

## INTAKE and EXHAUST GROUP

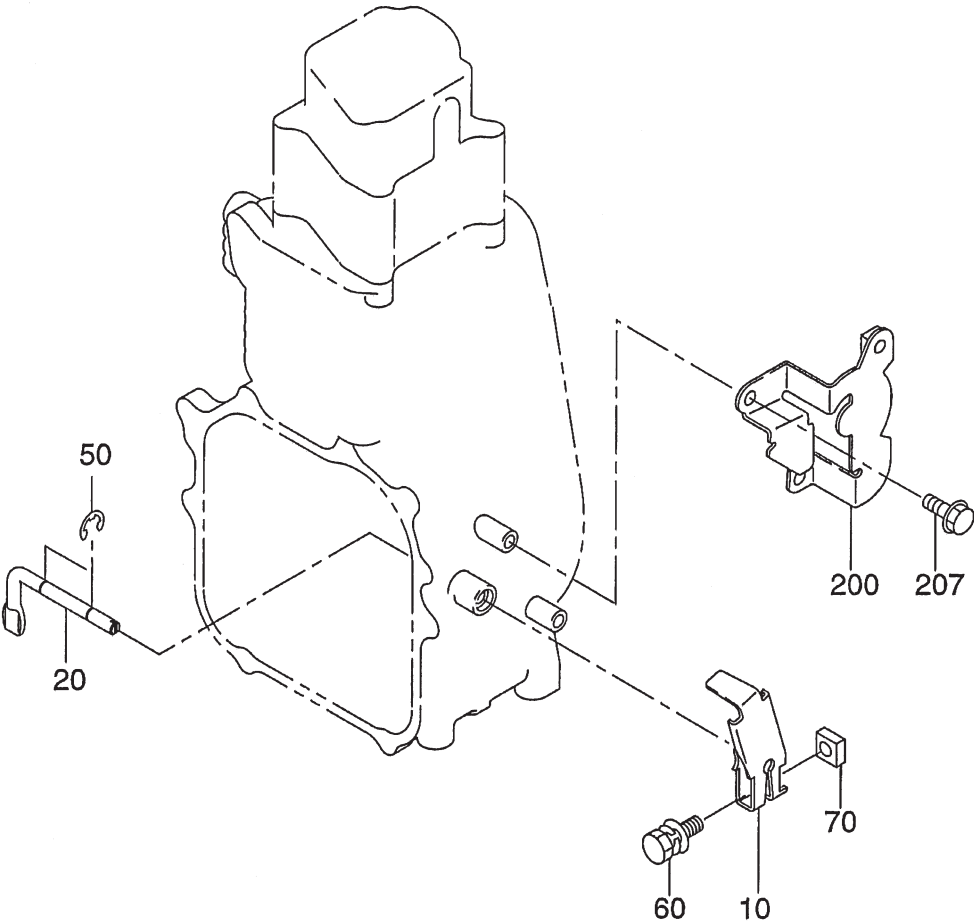
### FIG. 700



## SECTION 7 INTAKE and EXHAUST GROUP

| REF | PART NO      | DESCRIPTION         | QTY | REMARKS | FROM - TO | FIG |
|-----|--------------|---------------------|-----|---------|-----------|-----|
| 10  | 284-31701-11 | CAMSHAFT            | 1   |         |           | 700 |
| 34  | 227-38601-23 | PIN, spring         | 1   |         |           | 700 |
| 35  | 284-36401-03 | RELEASE LEVER       | 1   |         |           | 700 |
| 36  | 005-19041-00 | SPRING PIN          | 1   |         |           | 700 |
| 37  | 003-15170-00 | SNAP RING, outer    | 1   |         |           | 700 |
| 38  | 274-38701-23 | RETURN SPRING       | 1   |         |           | 700 |
| 50  | 274-33301-03 | TAPPET              | 2   |         |           | 700 |
| 60  | 274-33601-03 | VALVE SPRING        | 2   |         |           | 700 |
| 70  | 274-33702-03 | SPRING RETAINER     | 2   |         |           | 700 |
| 80  | 274-33401-03 | INTAKE VALVE        | 1   |         |           | 700 |
| 90  | 274-33501-03 | EXHAUST VALVE       | 1   |         |           | 700 |
| 95  | 132-10KA0-31 | COLLET VALVE        | 4   |         |           | 700 |
| 210 | 274-35301-03 | PUSH ROD            | 2   |         |           | 700 |
| 220 | 274-36003-03 | ROCKER ARM          | 2   |         |           | 700 |
| 230 | 269-35801-03 | BOLT, pivot         | 2   |         |           | 700 |
| 240 | 017-00600-90 | NUT                 | 2   |         |           | 700 |
| 260 | 274-36501-03 | GUIDE PLATE         | 1   |         |           | 700 |
| 310 | 284-30201-20 | MUFFLER AY          | 1   |         |           | 700 |
| 315 | 269-37601-01 | SPARK ARRESTOR      | 1   |         |           | 700 |
| 317 | 015-00400-60 | TAPPING SCREW       | 1   |         |           | 700 |
| 340 | 230-35204-01 | GASKET, exhaust     | 2   |         |           | 700 |
| 350 | 018-00600-30 | FLANGE NUT          | 2   |         |           | 700 |
| 365 | 011-00801-10 | FLANGE BOLT         | 1   |         |           | 700 |
| 405 | 284-34101-03 | EXHAUST PIPE        | 1   |         |           | 700 |
| 418 | 001-14061-60 | BOLT and WASHER     | 2   |         |           | 700 |
| 510 | 284-32630-00 | AIR CLEANER         | 1   |         |           | 700 |
| -2  | 227-36004-13 | PACKING             | 1   |         |           | 700 |
| 520 | 284-32631-08 | ELEMENT             | 1   |         |           | 700 |
| 535 | 284-32904-01 | STAY BAFFLE         | 1   |         |           | 700 |
| 538 | 277-46701-03 | GASKET, choke       | 1   |         |           | 700 |
| 540 | 284-32903-03 | INSULATOR           | 1   |         |           | 700 |
| 550 | 227-35902-03 | GASKET 2, insulator | 1   |         |           | 700 |
| 560 | 236-35903-03 | GASKET 2, insulator | 1   |         |           | 700 |
| 570 | 002-38060-00 | FLANGE NUT          | 2   |         |           | 700 |
| 580 | 011-00601-80 | FLANGE BOLT         | 1   |         |           | 700 |
| 750 | 284-32101-03 | DUCT                | 1   |         |           | 700 |
| 850 | 085-10800-00 | RUBBER PIPE         | 1   |         |           | 700 |
| 930 | 33K-58315-13 | SPONGE INSULATOR    | 1   |         |           | 700 |
| 931 | 33K-58321-13 | SPONGE INSULATOR 2  | 1   |         |           | 700 |
|     |              |                     |     |         |           |     |
|     |              |                     |     |         |           |     |
|     |              |                     |     |         |           |     |
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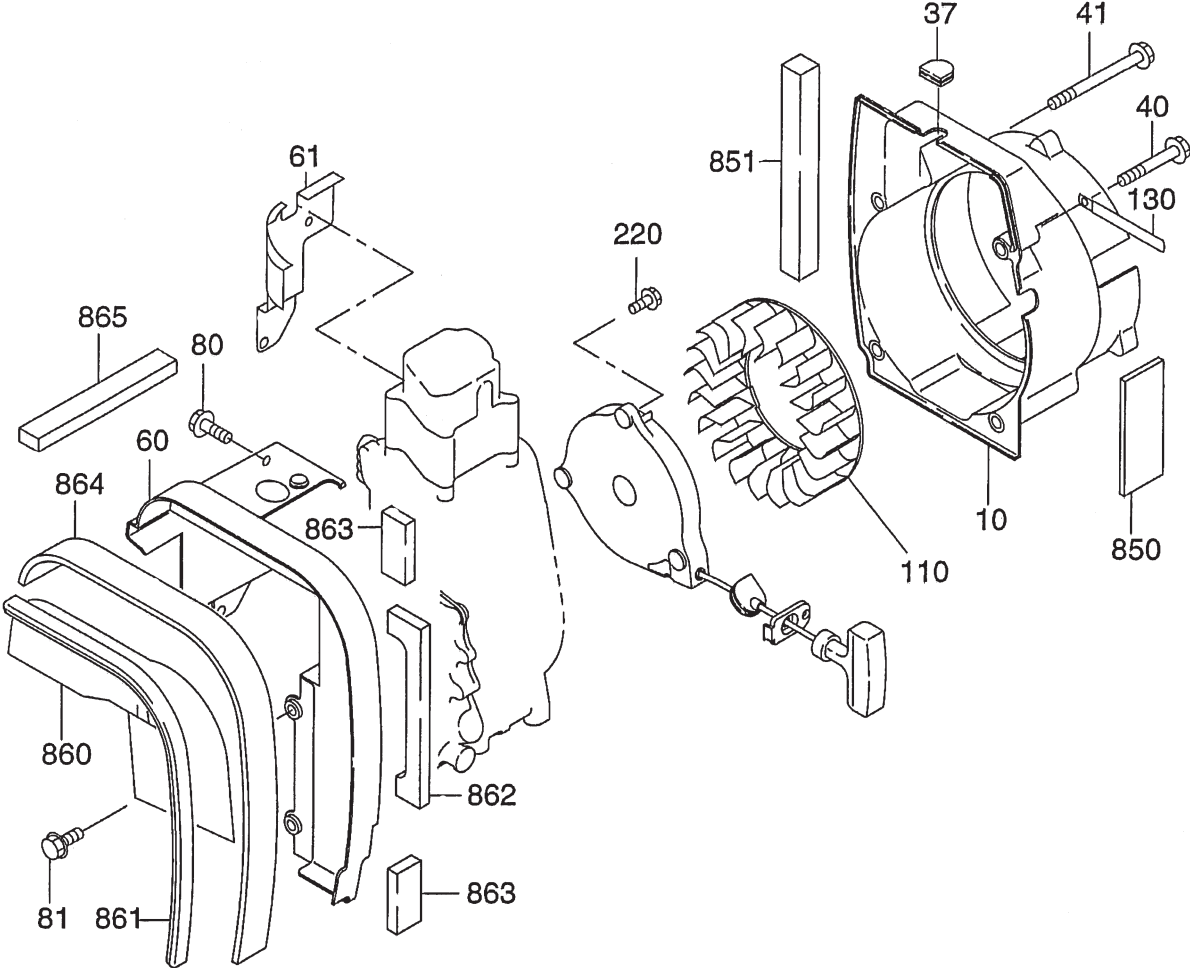
FIG. 800



## SECTION 8 GOVERNOR GROUP

[illegible]

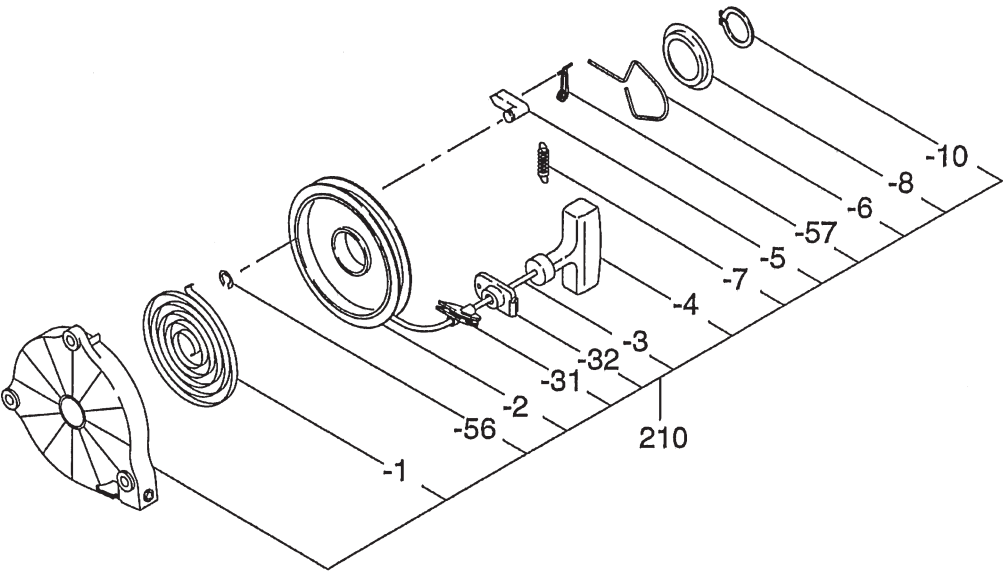
FIG. 900



## SECTION 9 COOLING and STARTING GROUP

[illegible]

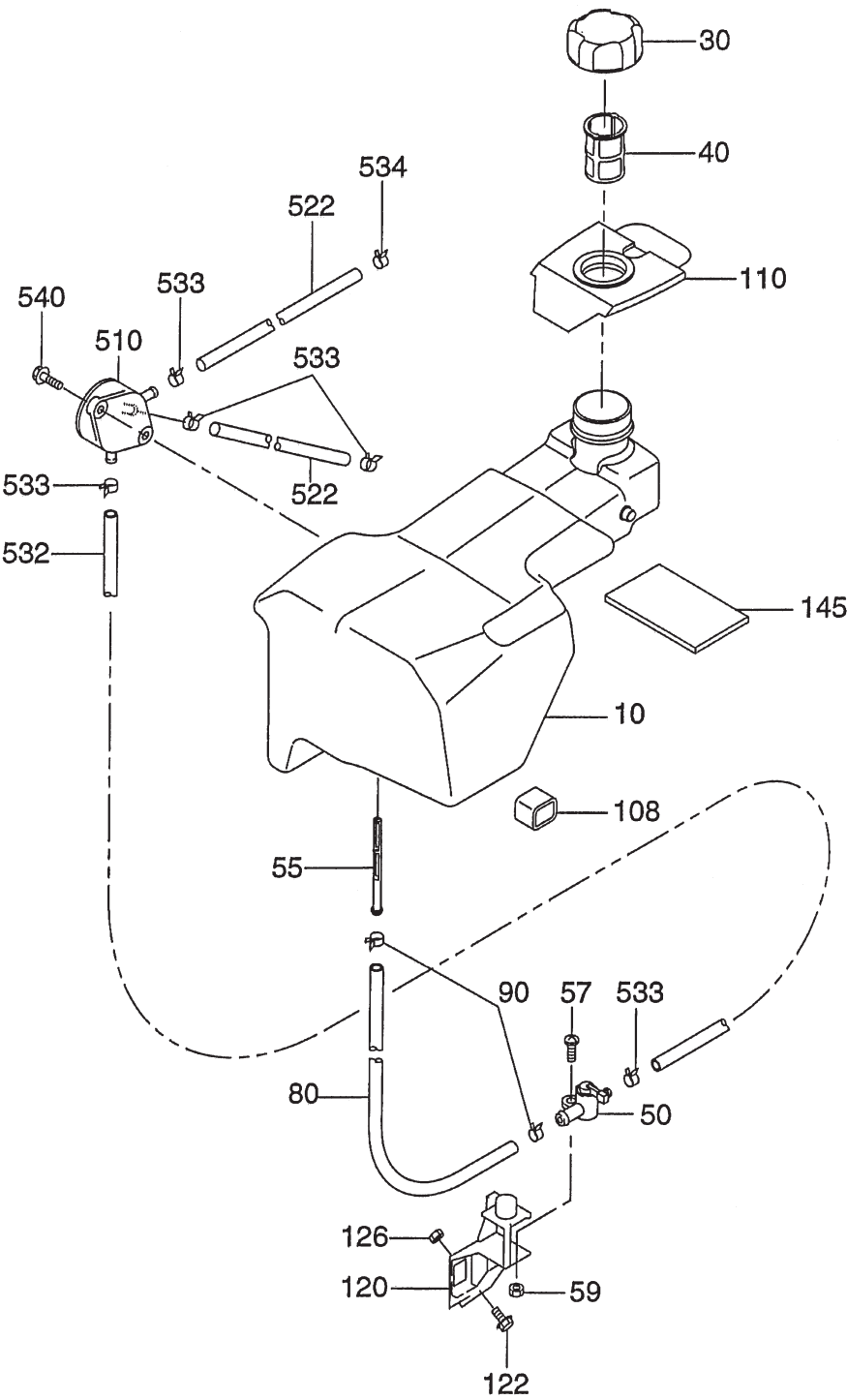
FIG. 910



## SECTION 9 COOLING and STARTING GROUP

[illegible]

FIG. 1000

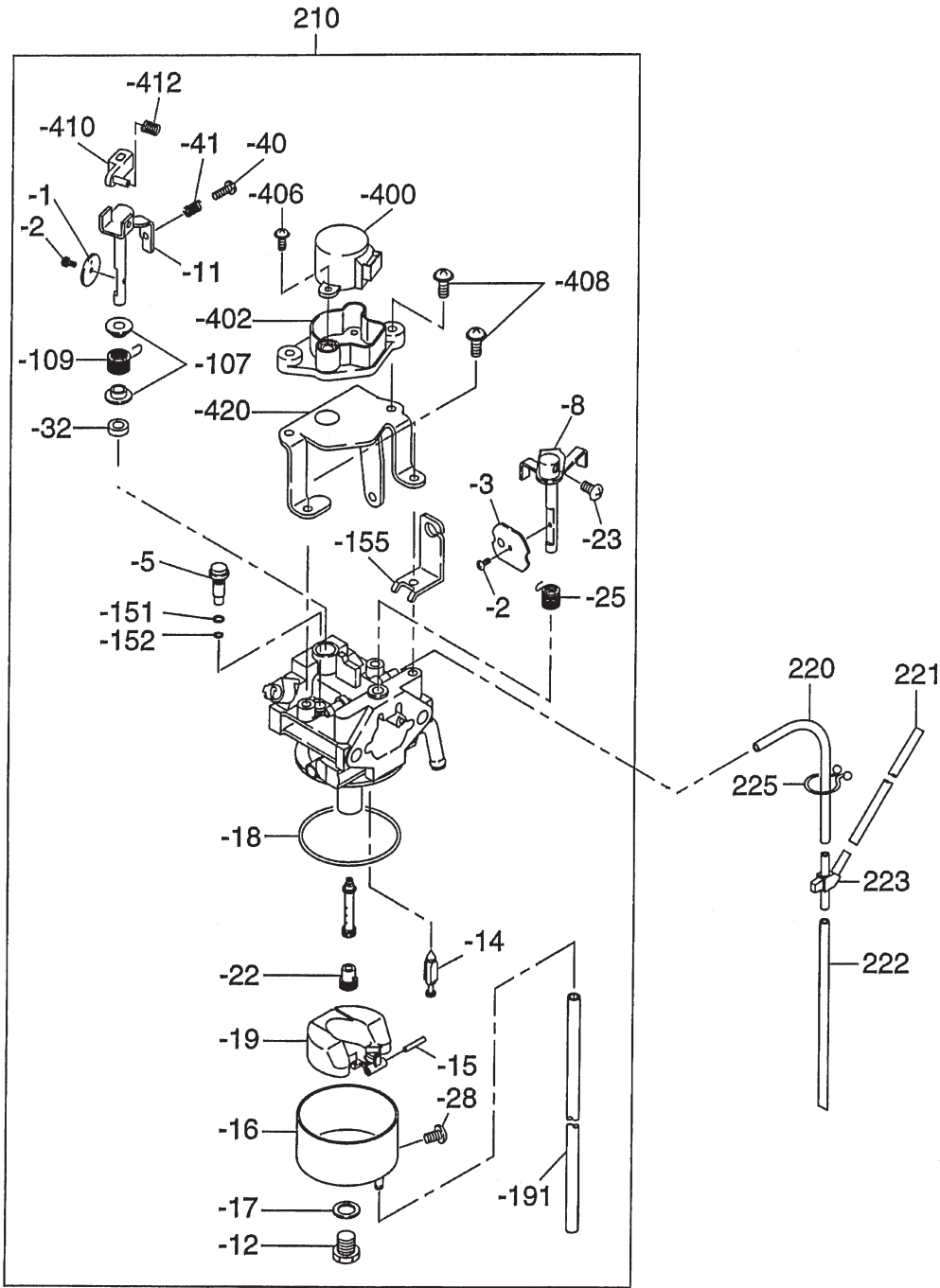


## SECTION 10 FUEL GROUP

[illegible]

SECTION 11 CARBURETOR GROUP

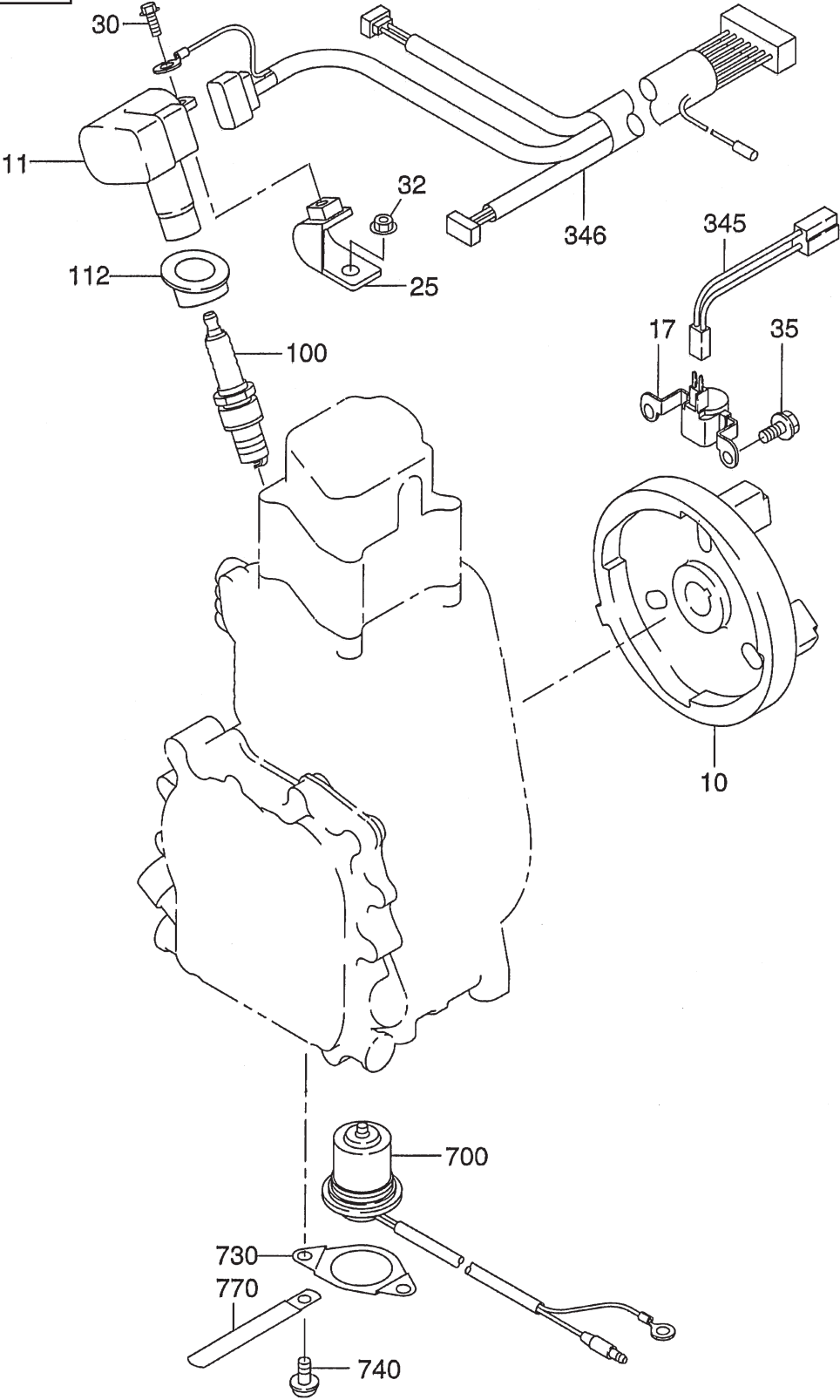
FIG. 1100



## SECTION 11 CARBURETOR GROUP

| REF  | PART NO      | DESCRIPTION       | QTY | REMARKS | FROM - TO | FIG  |
|------|--------------|-------------------|-----|---------|-----------|------|
| 210  | 284-62302-20 | CARBURETOR        | 1   |         |           | 1100 |
| -1   | 284-62535-08 | THROTTLE VALVE    | 1   |         |           | 1100 |
| -2   | 284-62455-08 | SCREW             | 2   |         |           | 1100 |
| -3   | 284-62525-08 | VALVE CHOKE       | 1   |         |           | 1100 |
| -5   | 284-62420-08 | SLOW JET          | 1   |         |           | 1100 |
| -8   | 284-62520-08 | CHOKE SHAFT AY    | 1   |         |           | 1100 |
| -11  | 284-62531-08 | THROTTLE SHAFT AY | 1   |         |           | 1100 |
| -12  | 284-62355-08 | SCREW             | 1   |         |           | 1100 |
| -14  | 279-62500-08 | NEEDLE VALVE AY   | 1   |         |           | 1100 |
| -15  | 284-62515-08 | FLOAT LEVER PIN   | 1   |         |           | 1100 |
| -16  | 284-62550-08 | CHAMBER FLOAT AY  | 1   |         |           | 1100 |
| -17  | 251-62350-08 | GASKET            | 1   |         |           | 1100 |
| -18  | 284-62540-08 | GASKET, chamber   | 1   |         |           | 1100 |
| -19  | 284-62505-08 | FLOAT AY          | 1   |         |           | 1100 |
| -22  | 284-62400-08 | MAIN JET          | 1   |         |           | 1100 |
| -23  | 284-62456-08 | SCREW             | 3   |         |           | 1100 |
| -25  | 284-62445-08 | CHOKE SPRING      | 1   |         |           | 1100 |
| -28  | 251-62661-08 | DRAIN SCREW       | 1   |         |           | 1100 |
| -32  | 251-62559-08 | BUSH              | 1   |         |           | 1100 |
| -40  | 284-62353-08 | ADJUST SCREW      | 1   |         |           | 1100 |
| -41  | 279-62445-08 | SPRING            | 1   |         |           | 1100 |
| -107 | 284-62561-08 | COLLAR            | 1   |         |           | 1100 |
| -109 | 284-62315-08 | THROTTLE SPRING   | 1   |         |           | 1100 |
| -151 | 284-62451-08 | O RING            | 1   |         |           | 1100 |
| -152 | 284-62450-08 | O RING            | 1   |         |           | 1100 |
| -155 | 284-62570-18 | BRACKET WIRE      | 1   |         |           | 1100 |
| -191 | 284-62566-18 | PIPE              | 1   |         |           | 1100 |
| -400 | 284-62580-08 | MOTOR             | 1   |         |           | 1100 |
| -402 | 284-62576-08 | MOTOR BRACKET     | 1   |         |           | 1100 |
| -406 | 284-62458-08 | SCREW             | 2   |         |           | 1100 |
| -408 | 284-62457-08 | SCREW             | 5   |         |           | 1100 |
| -410 | 284-62555-08 | JOINT LEVER       | 1   |         |           | 1100 |
| -412 | 284-62446-08 | SPRING            | 1   |         |           | 1100 |
| -420 | 284-62575-08 | BRACKET           | 1   |         |           | 1100 |
| 220  | 085-09300-00 | VINYL PIPE        | 1   |         |           | 1100 |
| 221  | 085-09300-00 | VINYL PIPE        | 1   |         |           | 1100 |
| 222  | 085-09300-00 | VINYL PIPE        | 1   |         |           | 1100 |
| 223  | 284-67101-03 | "Y" CONNECTOR     | 1   |         |           | 1100 |
| 225  | 056-90000-20 | PURSE LOCK        | 1   |         |           | 1100 |
|      |              |                   |     |         |           |      |
|      |              |                   |     |         |           |      |
|      |              |                   |     |         |           |      |
|      |              |                   |     |         |           |      |
|      |              |                   |     |         |           |      |
|      |              |                   |     |         |           |      |
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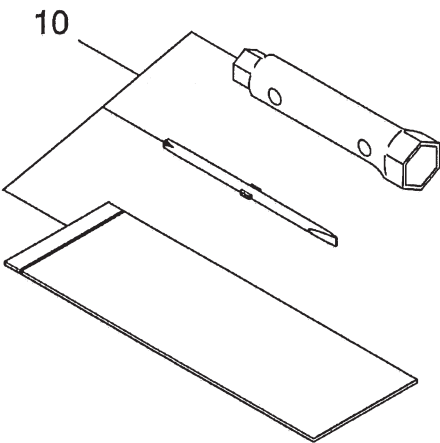
FIG. 1200



## SECTION 12 ELECTRICAL GROUP

[illegible]

FIG. 1300



## SECTION 13

## ACCESSORIES GROUP

[illegible]

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