



114 06 31-26 (1808)

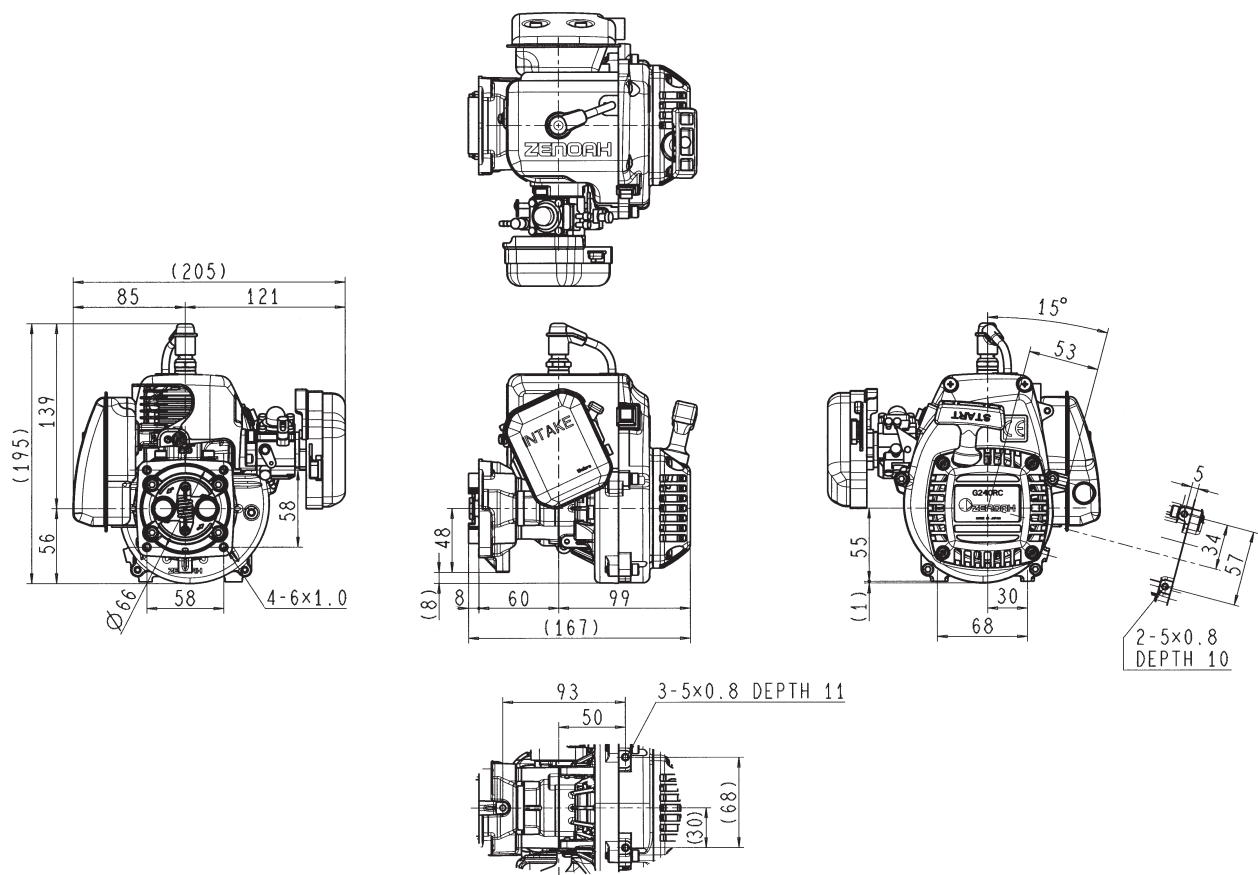


# OWNER'S MANUAL

**Model: G240RC/G270RC/G290RC**  
**Model code: X374323111 (G240RC)**  
**Model code: X374326111 (G270RC)**  
**Model code: 966669901 (G290RC)**

**Thank you for using ZENOAH ENGINE.**

- **Please read this Owner's Manual thoroughly before operating and use the engine correctly according to this Owner's Manual.**  
**(For safety reasons, please contact your sales dealer before operating this engine if there is something that you do not understand.)**
- **This engine has been designed for the use of radio control car.**  
**Please use this engine in conjunction with the manual for radio control car or radio control equipment you are going to use.**
- **Any modification of the engine or any use of other applications is prohibited.**
- **The purchaser (user) shall bear all obligations and responsibilities stipulated by law, local ordinance and the likes.**  
**Husqvarna Zenoah Co., Ltd. shall bear no responsibility whatsoever.**



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## SPECIFICATIONS

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|                          |                                   |                     |                     |
|--------------------------|-----------------------------------|---------------------|---------------------|
| Engine Type              | G240RC                            | G270RC              | G290RC              |
| Overall Size (L x W x H) | 166 x 205 x 196mm                 |                     |                     |
| Weight                   | 2.07kg                            |                     |                     |
| Displacement             | 22.5cm <sup>3</sup>               | 25.4cm <sup>3</sup> | 28.5cm <sup>3</sup> |
| Clutch Engagement        | 6000rpm (STD Spring)              |                     |                     |
| Carburetor Type          | WT-990                            |                     |                     |
| Spark Plug               | NGK CMR7H                         |                     |                     |
| Spark Plug Gap           | 0.65mm                            |                     |                     |
| Rotating Direction       | Counter-Clockwise (View From PTO) |                     |                     |

## **⚠ SAFETY PRECAUTIONS ⚠**

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| <b>⚠ WARNING ⚠</b>                                                                                                                                  | <b>⚠ AVERTISSEMENT ⚠</b>                                                                                                                                                                                                   | <b>⚠ ADVERTENCIA ⚠</b>                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. | Les échappements du moteur de ce produit contiennent des produits chimiques connus par l'Etat de Californie comme étant responsables de cancers, d'anomalies congénitales et d'autres atteintes à l'appareil reproducteur. | Los gases de escape del motor de este producto contienen sustancias químicas conocidas por el Estado de California como causantes de cáncer, malformaciones en recién nacidos y otros problemas de reproducción. |

- These safety precautions are to prevent you and those people in the vicinity from incurring harm or damage. Make sure to observe these precautions and constantly strive to ensure safety.
- Safe use of the engine is your personal obligation and responsibility. Constantly take care to act with good judgment as you enjoy your hobbies.
- The fuel is toxic. Do not let it get into your eyes or mouth. Store it in a cool place, out of the reach of infants and children.

## **⚠ SAFETY PRECAUTIONS ⚠**

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- Use of open flames around the fuel is strictly prohibited, because of danger of fire.
- To prevent burns, make sure not to touch the engine while it is operating or immediately after it has stopped.
- Do not run the motor in poorly ventilated places. Do not breathe the exhaust, as it is a health hazard.
- Please wear clothing that facilitates your safety. Remove all scarves, overly long sleeves, neckties and the like. Failure to do so could result in injury.
- When mounting the engine to a model, make sure to follow the model's operating manual. If necessary, reinforce the engine mounting unit and the peripheral parts.

## FUEL

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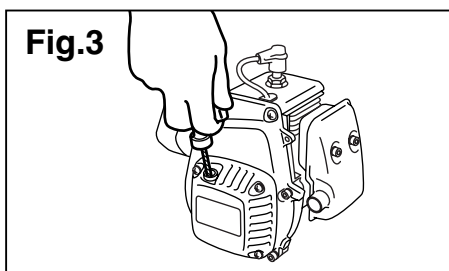
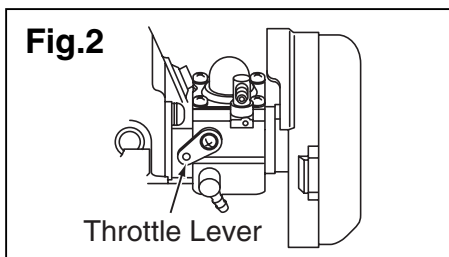
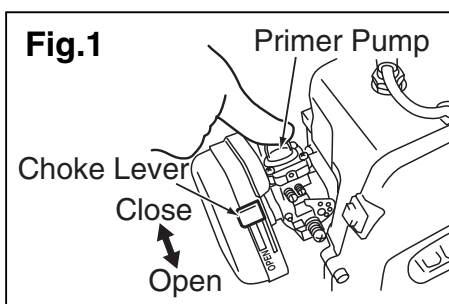
- Mix gasoline (octane over 95) and high grade 2 cycle engine oil (mixing use type; JASO FC grade or ISO-L-EGC grade) at mixing ratio 25~40:1.
- The mixing ratio is according to the oil recommendation.

### [ NOTE ]

- 1) Gasoline may contain maximum of 10% Ethanol (grain alcohol) or up to 15% MTBE (Methyl tertiary-butyl ether).  
Gasoline containing Methanol (Wood Alcohol) is NOT approved.
- 2) Gasoline is very flammable. Avoid smoking and any fires near fuel.
- 3) To prevent all possible problems on fueling system, make sure to use the fuel filter which has more than 300 mesh or equivalent and gasoline proof rubber pipe or equivalent.  
Incorrect fuel filter may cause engine trouble like fuel passage stuffing in carburetor, or piston surface scratching etc.

## ENGINE STARTING

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- Push the primer pump several times until overflown fuel flows out. (Fig.1)
- Close the choke lever, and move the throttle lever 1/4~1/3 open position. (Fig.1)(Fig.2)
- Pull the starter(knob) quickly until first firing noise. (Fig.3)
- Open the choke(Fig.2), throttle idle~1/4 open
- Pull the starter quickly
- Operate engine for a few minutes for the warming up.

### ! IMPORTANT

- In case of engine warm condition, choking may not be necessary.
- Over choking may cause starting difficulty due to wet spark plug.  
In this case change spark plug or dry it, and remove fuel rest in the cylinder by pulling starter.

## **OPERATION**

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- This engine is already tuned up to get high power and high speed, and needs correct maintenance to keep such high performance.
- The details for operation may be described in the separate owners manual to be issued by car manufacturer.
- Be sure to have the engine cool down for 30 seconds at idle speed after full throttle running.

## MAINTENANCE

### 1) MAINTENANCE CHART

| Items                 | Action          | Before Use | Every 25 hours | Every 100 hours | Note                 |
|-----------------------|-----------------|------------|----------------|-----------------|----------------------|
| Leakage, Damage/Crack | Check           | ✓          |                |                 |                      |
| Idling Speed          | Check/Adjust    | ✓          | ✓              | ✓               |                      |
| Air-cleaner           | Check/Cleaning  | ✓          | ✓              |                 | Replace if necessary |
| Spark Plug(gap)       | Check/Adjust    |            | ✓              | ✓               | ↑                    |
| Cylinder(barrel)      | Check/Cleaning  |            | ✓              | ✓               | ↑                    |
| Piston, Ring          | Check/Cleaning  |            | ✓              | ✓               | ↑                    |
| Muffler & Bolt        | Check/Cleaning  | ✓          | ✓              | ✓               | ↑                    |
| Bearings              | Check/Cleaning  |            | ✓              | ✓               | ↑                    |
| Crank Shaft           | Check/Alignment |            |                | ✓               | ↑                    |

## MAINTENANCE

### 2) SPECIFICATIONS AND TECHNICAL DATA

| Items                          | Unit             | G240RC                      | G270RC     | G290RC    | Remarks    |
|--------------------------------|------------------|-----------------------------|------------|-----------|------------|
| Bore x Stroke                  | mm               | 32 x 28                     | 34 x 28    | 36 x 28   |            |
| Displacement                   | cm <sup>3</sup>  | 22.5                        | 25.4       | 28.5      |            |
| Effective Compression Ratio    |                  | 8.9                         | 8.9        | 9.9       |            |
| Carburetor                     | Type             | Walbro WT                   | ←          | ←         |            |
|                                | Venture(mm)      | ø12.7                       | ←          | ←         |            |
| Starting                       |                  | Recoil Starter              | ←          | ←         |            |
| Ignition                       | Type             | TCI                         | ←          | ←         |            |
|                                | Timing           | BTC 30°/8000rpm             | ←          | ←         |            |
| Spark Plug                     | Standard         | CMR7H                       | ←          | ←         | NGK        |
|                                | Option(For Race) | CR8HIX<br>with Terminal Nut | ←          | ←         | ↑          |
|                                | Option(Hot Type) | CMR6H                       | ←          | ←         | ↑          |
| Clutch Engagement Speed        | rpm              | 6000                        | ←          | ←         | STD Spring |
| No load max Speed              | rpm              | 19500                       | ←          | ←         |            |
| Idling Speed                   | rpm              | 4000                        | ←          | ←         |            |
| Max. Net Power                 | kW/rpm           | 1.81/12000                  | 1.86/12000 | 2.0/13000 |            |
| Max. Net Torque                | N.m/rpm          | 1.58/9000                   | 1.63/9000  | 1.69/9000 |            |
| Fuel Consumption               | g/kW·h           | 616                         | 653        | 600       |            |
| Carburetor<br>Standard setting | H                | 1 1/8 ± 1/4                 | ←          | ←         |            |
|                                | L                | 1 1/4 ± 1/4                 | ←          | ←         |            |

# MAINTENANCE

## 3) MAINTENANCE SPECIFICATIONS

|                                      | Items                                         | G240RC    |                           | G270RC    |                           | G290RC    |                           | Measuring Device              | Remarks                                                 |
|--------------------------------------|-----------------------------------------------|-----------|---------------------------|-----------|---------------------------|-----------|---------------------------|-------------------------------|---------------------------------------------------------|
|                                      |                                               | Standard  | Limit                     | Standard  | Limit                     | Standard  | Limit                     |                               |                                                         |
| Cylinder                             | Bore (mm)                                     | ø32       | Plating damaged           | ø34       | Plating damaged           | ø36       | Plating damaged           | Eye Checking                  |                                                         |
| Piston                               | Diameter (mm)                                 | ø31.97    | ø31.87                    | ø33.97    | ø33.87                    | ø35.97    | ø35.87                    | Micro Meter                   | At the skirt end and the right angle to the piston pin. |
|                                      | Piston Ring Groove width (mm)                 | 0.81      | 0.91                      | 1.01      | 1.11                      | 1.01      | 1.11                      | Thickness Gauge               |                                                         |
|                                      | Piston Pin Hole (mm)                          | ø8.01     | ø8.05                     | ø8.01     | ø8.05                     | ø8.01     | ø8.05                     | Cylinder Gauge                |                                                         |
|                                      | Clearance between Piston and Cylinder (mm)    | 0.03~0.06 | 0.15                      | 0.03~0.06 | 0.15                      | 0.03~0.06 | 0.15                      | Micro Meter<br>Cylinder Gauge |                                                         |
|                                      | Clearance between Groove and Piston Ring (mm) | 0.02~0.04 | 0.1                       | 0.02~0.04 | 0.1                       | 0.02~0.04 | 0.1                       | Thickness Gauge               |                                                         |
| Piston Ring                          | End Gap (mm)                                  | 0.05~0.25 | 0.5                       | 0.05~0.25 | 0.5                       | 0.05~0.25 | 0.5                       | Thickness Gauge               | When inserted in a new cylinder.                        |
|                                      | Width (mm)                                    | 0.78      | 0.73                      | 0.98      | 0.93                      | 0.98      | 0.93                      | Micro Meter                   |                                                         |
| Piston Pin Diameter (mm)             |                                               | ø8        | ø7.98                     | ø8        | ø7.98                     | ø8        | ø7.98                     | Micro Meter                   |                                                         |
| Connecting Rod Small end (mm)        |                                               | ø11       | ø11.05                    | ø11       | ø11.05                    | ø11       | ø11.05                    | Cylinder Gauge                |                                                         |
| Crankshaft Dia. at Main Bearing (mm) |                                               | ø12       | ø11.98                    | ø12       | ø11.98                    | ø12       | ø11.98                    | Micro Meter                   |                                                         |
|                                      | Eccentricity (mm)                             | —         | 0.07                      | —         | 0.07                      | —         | 0.07                      | Dial Gauge                    |                                                         |
|                                      | Axial Play (mm)                               | —         | 0.5                       | —         | 0.5                       | —         | 0.5                       | Thickness Gauge               |                                                         |
|                                      | Main Bearing                                  | —         | Gritty or Feels Flat Spot | —         | Gritty or Feels Flat Spot | —         | Gritty or Feels Flat Spot | —                             |                                                         |

## MAINTENANCE

### 4) CARBURETOR

| Items                                              | Standard | Limit      | Measuring Device | Remarks |
|----------------------------------------------------|----------|------------|------------------|---------|
| Metering Lever set (mm)                            | 1.65     | $\pm 0.16$ | Vanier           |         |
| Inlet Valve Opening Pressure (kg/cm <sup>2</sup> ) | 1.3~2.3  |            | Leak Tester      |         |
| Inlet Valve Closing Pressure (kg/cm <sup>2</sup> ) | 0.7~1.7  |            | Leak Tester      |         |

### 5) IGNITION SYSTEM

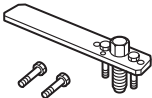
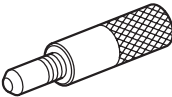
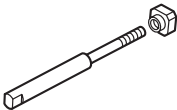
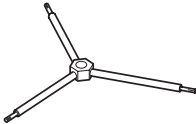
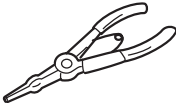
| Items                               |           | Standard | Limit | Measuring Device | Remarks                                          |
|-------------------------------------|-----------|----------|-------|------------------|--------------------------------------------------|
| Spark Plug Air Gap (mm)             |           | 0.6~0.7  | 0.7   | Thickness Gauge  |                                                  |
| Ignition Coil/Flywheel Air Gap (mm) |           | 0.3      | 0.4   | Thickness Gauge  |                                                  |
| Coil Resistance ( $\Omega$ )        | Primary   | 0.7      | —     | Volt Meter       | Reading between primary terminal and iron core.  |
|                                     | Secondary | 6100     | —     | Volt Meter       | Reading between sparking cord end and iron core. |

## MAINTENANCE

### 6) TIGHTENING TORQUE

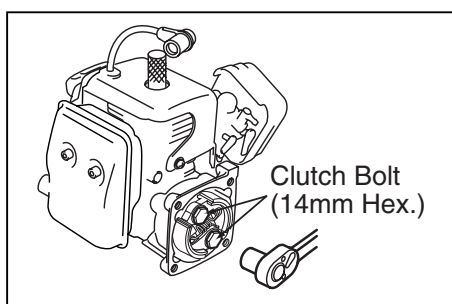
| Items         | Screw Size  | Standard (N·m) | Limit (N·m) | Remarks             |
|---------------|-------------|----------------|-------------|---------------------|
| Carburetor    | M5 (P=0.8)  | 3.4            | 2.9~3.9     |                     |
| Insulator     | M5 (P=0.8)  | 4.4            | 3.9~4.9     | with Locktight glue |
| Clutch        | M6 (P=1.0)  | 6.4            | 4.9~7.8     |                     |
| Rotor         | M8 (P=1.0)  | 12.7           | 9.8~14.7    |                     |
| Cylinder      | M5 (P=0.8)  | 6.8            | 4.7~8.8     |                     |
| Crankcase     | M5 (P=0.8)  | 6.4            | 4.9~7.8     |                     |
| Spark Plug    | M10 (P=1.0) | 10.8           | 8.8~12.8    |                     |
| Muffler       | M5 (P=0.8)  | 8.8            | 6.9~9.8     |                     |
| Fan Cover     | M5 (P=0.8)  | 3.4            | 2.9~3.9     |                     |
| Ignition Coil | M4 (P=0.7)  | 3.2            | 2.5~3.9     |                     |
| Starter Case  | M4 (P=0.7)  | 1.3            | 1.0~1.5     |                     |
| Tapping Screw | TP 4.3      | 2.4            | 1.9~2.9     |                     |

## SPECIAL TOOLS

|   | Part Name        | Part No.   | External Appearance                                                                 | Usage                                                              |
|---|------------------|------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 1 | Puller Assy      | 2890-96100 |    | To remove rotor.                                                   |
| 2 | Piston Stopper   | 4810-96220 |   | To hold crankshaft when disassembling/assembling clutch and rotor. |
| 3 | Rod Assy         | 1101-96220 |  | To remove/install piston pin.                                      |
| 4 | Air Gap Gauge    | 3330-97310 |  | To set ignition coil.                                              |
| 5 | Hex Wrench       | 3304-97611 |  | For socket screw of Hex. 3mm, 4mm and 5mm.                         |
| 6 | Snap Ring Pliers | 5500-96110 |  | To remove snap ring.                                               |

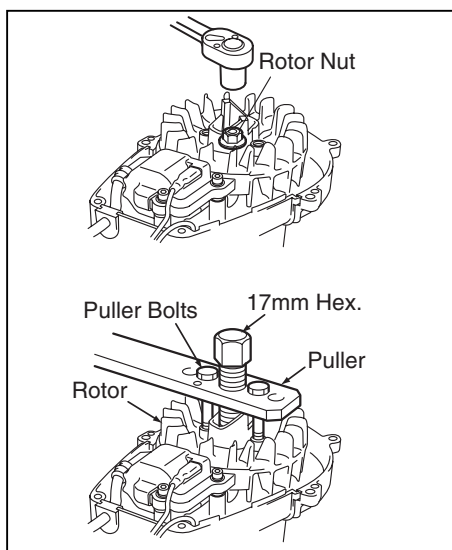
## SERVICE GUIDE

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### 1) REMOVING CLUTCH SHOE

1. Remove the housing and plug cap.
2. Remove the spark plug and fit the stopper(4810-96220) into the plug hole.
3. Remove clutch bolts(14mm Hex.).

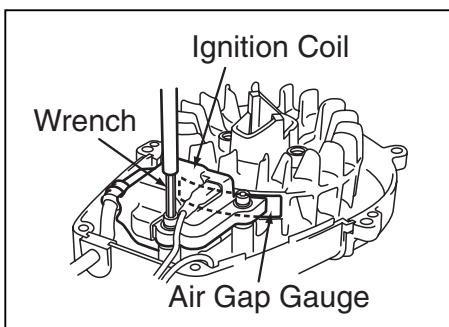


### 2) REMOVING ROTOR (FAN)

4. Remove the rotor nut(12mm Hex.).
5. Remove the rotor using the puller assy (2890-96100). Apply 8mm puller bolts.

## SERVICE GUIDE

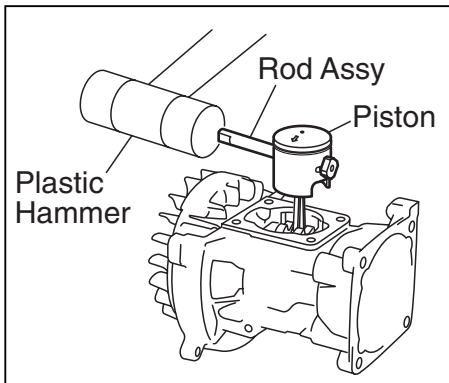
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### 3) ASSEMBLING ROTOR

Insert the gauge(3330-97310) in between the rotor magnet metal and the coil. Tighten screws while pressing the coil against the rotor.

**Air Gap 0.3 ~ 0.4mm**



### 4) REMOVING PISTON PIN

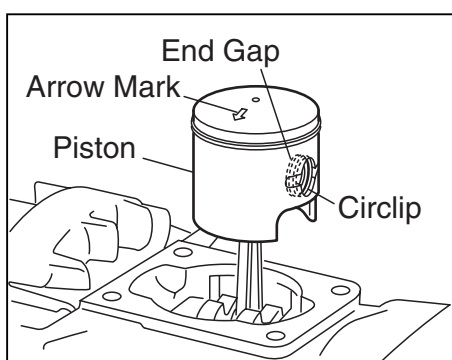
1. Remove snap rings from both sides of the piston pin.
2. Engage the rod assy(1101-96220) to the piston pin and gently tap with a plastic hammer to push out the pin while holding piston firmly.

#### NOTE

Hard hammering may damage the big end of the connecting rod.

## SERVICE GUIDE

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### 5) INSTALLING PISTON

1. Make sure to point the arrow mark on the piston to the exhaust side.
2. Fit the circlip in the groove so as to face the end gap below.



**Deformed circlip may come off during engine operation and damage the engine.**

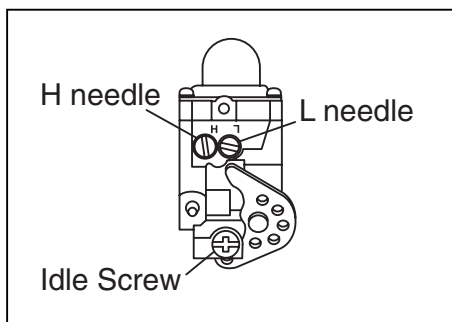
### 6) CARBURETOR ADJUSTMENT

The carburetor comes with a standard setting, it is for optimum performance under the barometric pressure and climatic conditions at factory, so it may be re-adjusted according to load applied.

**Idle rpm : 4000  $\pm$  300 rpm (STD Spring)**

**H needle : 1 1/8  $\pm$  1/4**

**L needle : 1 1/4  $\pm$  1/4**



## TROUBLE SHOOTING

### 1) ENGINE DOES NOT START

| Description                         | Cause                                              | Countermeasure                      |
|-------------------------------------|----------------------------------------------------|-------------------------------------|
| No spark in the spark plug          |                                                    |                                     |
| Spark Plug                          | 1. Wet spark plug electrodes                       | Make them dry                       |
|                                     | 2. Carbon deposited on the electrodes              | Cleaning                            |
|                                     | 3. Insulation failure by insulator damage          | Exchange                            |
|                                     | 4. Improper spark gap                              | Adjust to 0.6~0.7mm                 |
|                                     | 5. Burn out of electrodes                          | Exchange                            |
| Magnet                              | 1. Ignition coil inside failure                    | Exchange                            |
|                                     | 2. Damaged cable sheath or disconnected cable      | Exchange or repair                  |
| Switch                              | 1. Switch is OFF                                   | ON the switch                       |
|                                     | 2. Switch failure                                  | Exchange                            |
|                                     | 3. Primary wiring earthed                          | Repair                              |
| Sparks appear in the spark plug     |                                                    |                                     |
| Compression & fueling is normal     | 1. Over sucking of fuel                            | Drain excess fuel                   |
|                                     | 2. Too rich fuel                                   | Adjust carburetor                   |
|                                     | 3. Overflow                                        | Carburetor adjust or exchange       |
|                                     | 4. Clogging of air cleaner                         | Wash with mixed gasoline            |
|                                     | 5. Faulty fuel                                     | Change with proper fuel             |
| Fueling normal but poor compression | 1. Worn out cylinder, piston, or piston ring       | Exchange                            |
|                                     | 2. Gas leakage from cylinder and crank case gasket | Apply liquid gasket and reassemble. |
| No fuel supply                      | 1. Choked breather air hole                        | Cleaning                            |
|                                     | 2. Clogged carburetor                              | Cleaning                            |
|                                     | 3. Clogged fuel filter                             | Exchange fuel filter                |

## TROUBLE SHOOTING

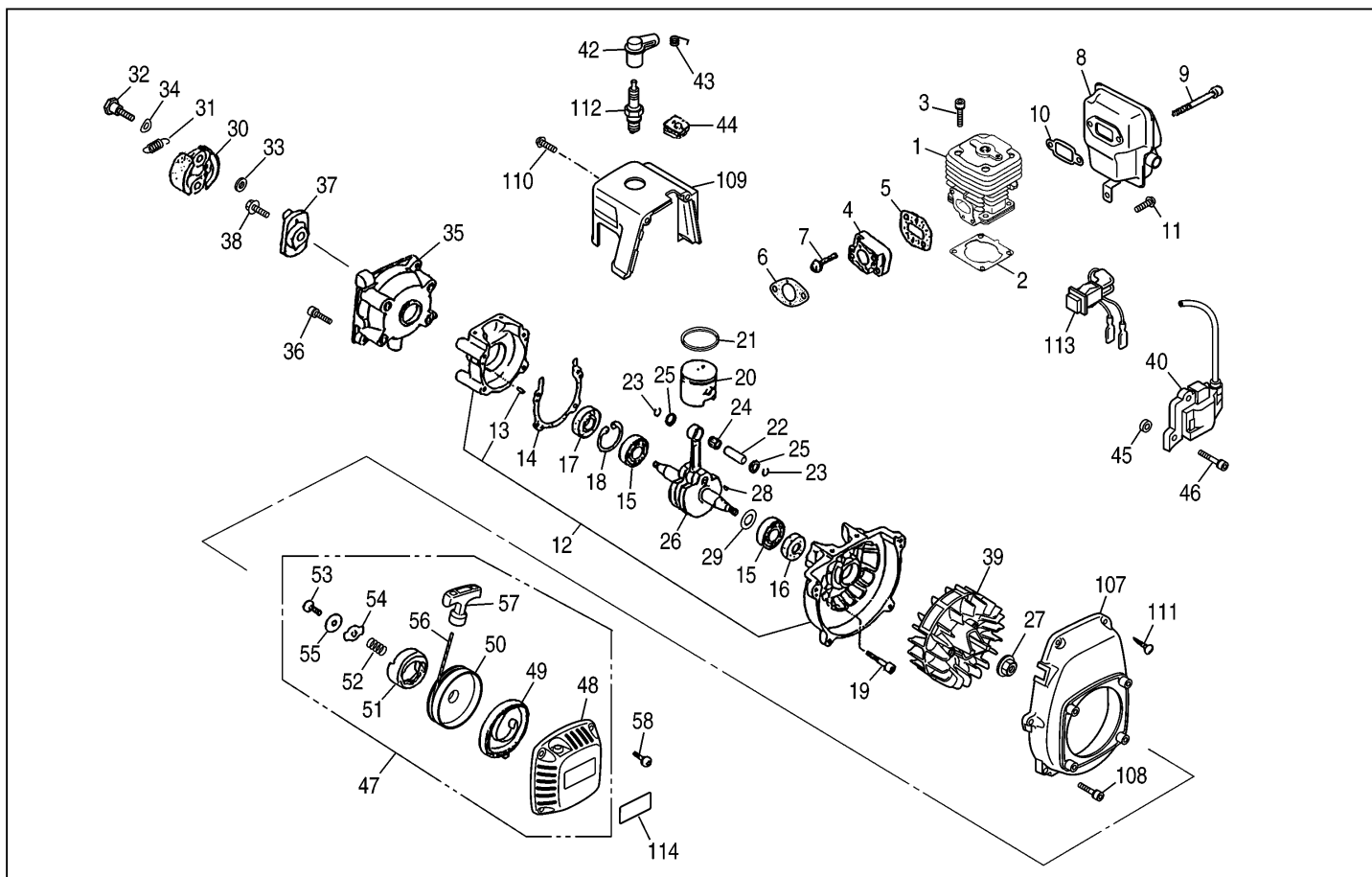
### 2) LACK OF POWER OR UNSTABLE RUNNING

| Description                          | Cause                                                         | Countermeasure                                                   |
|--------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------|
| Compression is normal and no misfire | 1. Air penetration from fuel pipe joints, etc                 | Secure connection                                                |
|                                      | 2. Air penetration from intake tube joint or carburetor joint | Change gasket or tightening screws                               |
|                                      | 3. Water in fuel                                              | Change with good fuel                                            |
|                                      | 4. Piston start to seizure                                    | Replace piston(and cylinder)                                     |
|                                      | 5. Muffler choked with carbon                                 | Cleaning                                                         |
| Overheating                          | 1. Fuel too lean                                              | Adjust carburetor                                                |
|                                      | 2. Clogging of cylinder fin with dust                         | Cleaning                                                         |
|                                      | 3. Poor fuel quality                                          | Exchange with proper fuel                                        |
|                                      | 4. Carbon deposited in the combustion chamber                 | Cleaning                                                         |
|                                      | 5. Spark plug electrode red hot                               | Thoroughly clean, adjust spark gap<br>[ 0.6~0.7(0.023~0.028in) ] |
| Others                               | 1. Dirty air cleaner                                          | Wash with mixed gasoline                                         |
|                                      | 2. Over loading                                               | Reduce load                                                      |

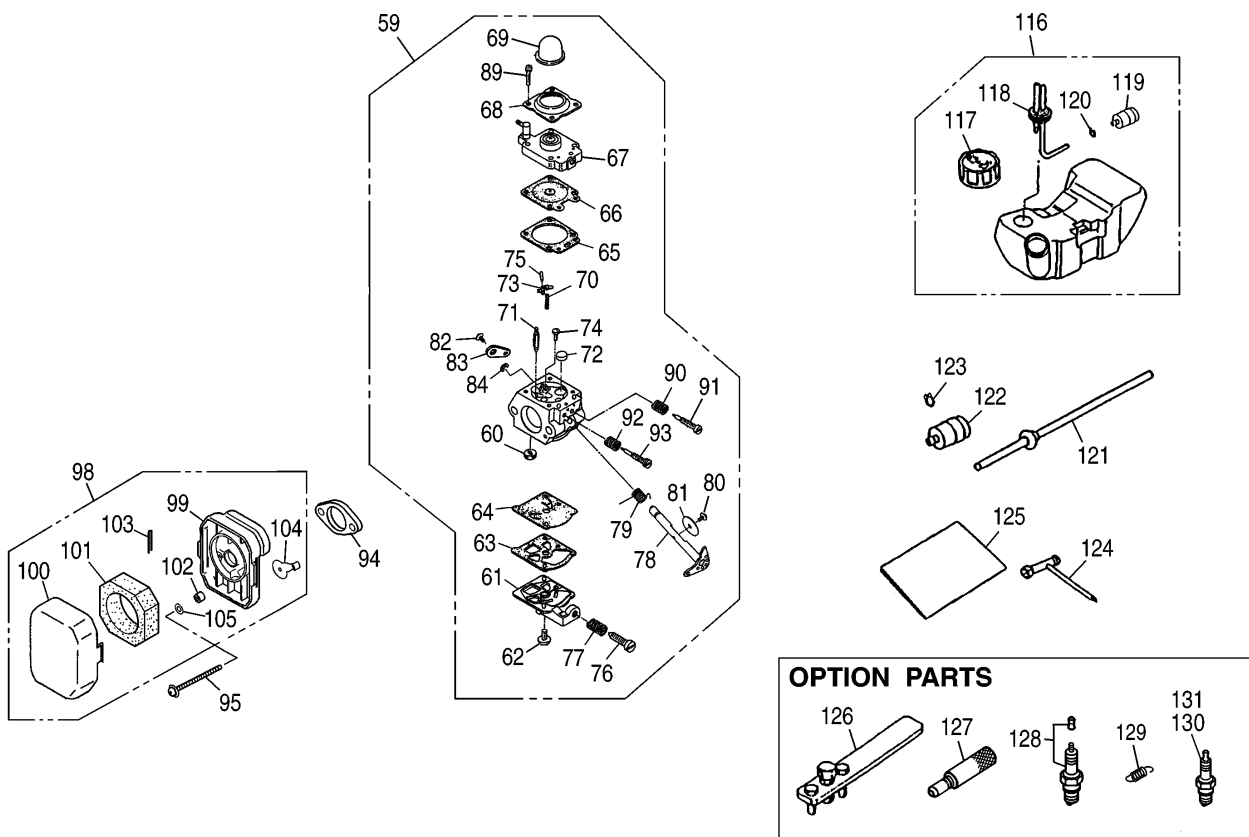
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# **PARTS LIST**

## PARTS LIST G240RC (X374323111)



## G240RC (X374323111)



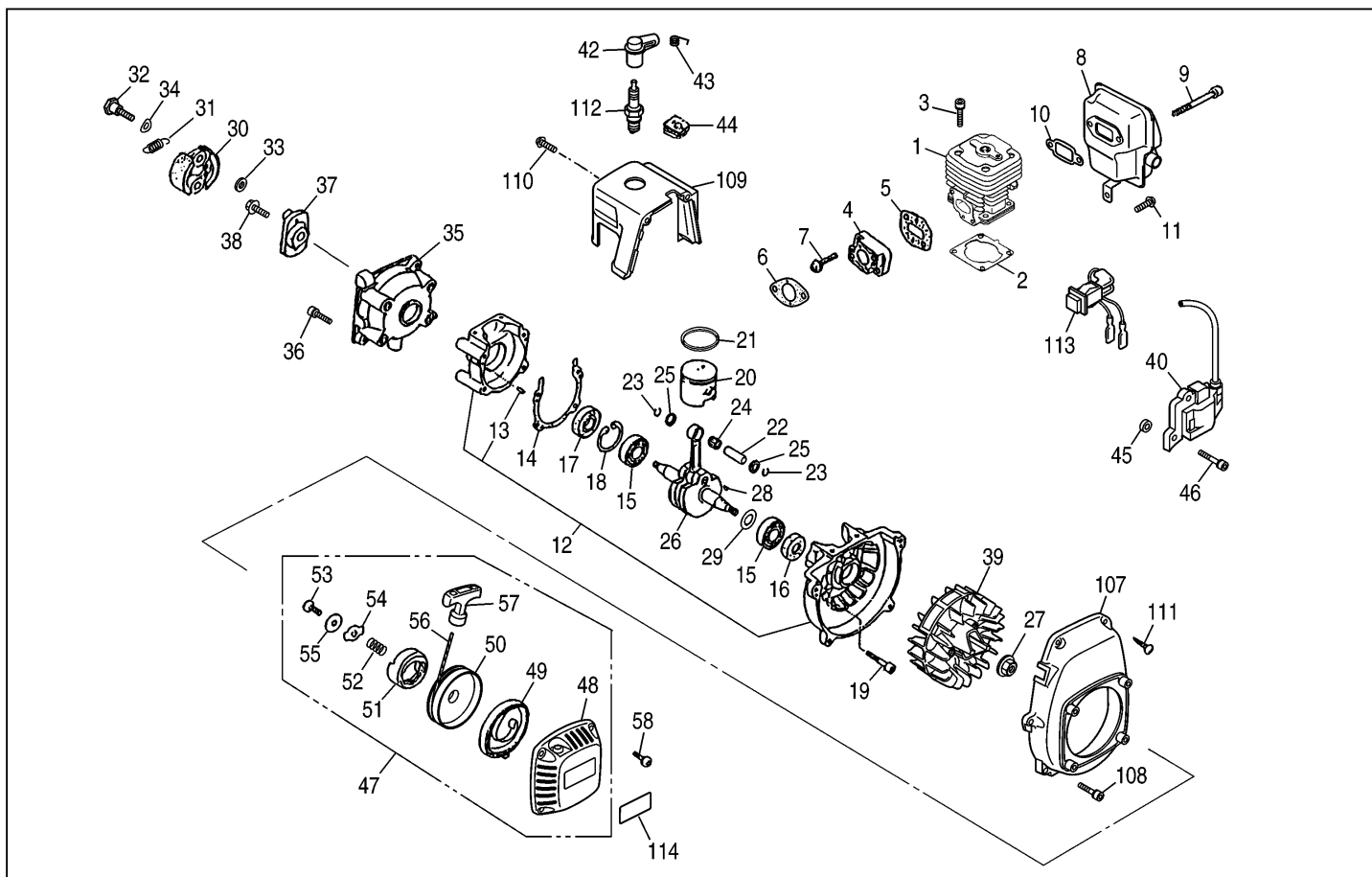
## PARTS LIST G240RC (X374323111)

| KEY# | PART NUMBER  | DESCRIPTION         | Q'TY/<br>UNIT | REMARKS | KEY# | PART NUMBER  | DESCRIPTION      | Q'TY/<br>UNIT | REMARKS |
|------|--------------|---------------------|---------------|---------|------|--------------|------------------|---------------|---------|
| 1    | 848ER812A0   | CYLINDER            | 1             |         | 35   | 1140-21162   | CASE, CLUTCH     | 1             |         |
| 2    | 579 24 83-01 | GASKET, CYL         | 1             |         | 36   | 3350-15250   | BOLT             | 4             | M5x16L  |
| 3    | 3310-12281   | BOLT                | 4             | M5x20L  | 37   | 1140-55310   | PLATE            | 1             |         |
| 4    | 1148-13162   | INSULATOR           | 1             |         | 38   | 0224-30614   | BOLT             | 1             | M6x14L  |
| 5    | 848ER814B0   | GASKET, INSU        | 1             |         | 39   | T2070-71110  | ROTOR            | 1             |         |
| 6    | T2075-14120  | GASKET, CARB        | 1             |         | 40   | T2070-71200  | COIL-A           | 1             |         |
| 7    | 3310-12281   | BOLT                | 2             | M5x20L  |      |              |                  |               |         |
| 8    | T2070-15110  | MUFFLER             | 1             |         | 42   | T2075-72210  | CAP              | 1             |         |
| 9    | 01252-30550  | BOLT                | 2             | M5x50L  | 43   | 1400-72121   | SPRING           | 1             |         |
| 10   | 1140-13141   | GASKET, MUFFLER     | 1             |         | 44   | 5500-72130   | GROMMET          | 1             |         |
| 11   | 1850-32160   | SCREW               | 1             | M4x12L  | 45   | 1260-71261   | SPACER           | 2             |         |
| 12   | 848ER82110   | CRANKCASE-C         | 1             |         | 46   | 3350-14150   | BOLT             | 2             | M4x20L  |
| 13   | 2629-21130   | • PIN               | 3             |         | 47   | T2070-75101  | RECOIL-A         | 1             |         |
| 14   | 5500-21141   | GASKET, CASE        | 1             |         | 48   | T2070-75110  | • CASE           | 1             |         |
| 15   | 1155-21240   | BEARING             | 2             |         | 49   | 5990-75120   | • SPRING, SPIRAL | 1             |         |
| 16   | 2169-21210   | SEAL                | 1             |         | 50   | 5990-75131   | • REEL           | 1             |         |
| 17   | 06034-06001  | BEARING             | 1             |         | 51   | 5990-75141   | • RATCHET        | 1             |         |
| 18   | 04065-02812  | RING                | 1             |         | 52   | 5990-75151   | • SPRING, BREAK  | 1             |         |
| 19   | 01252-30530  | BOLT                | 4             | M5x30L  | 53   | 5990-75270   | • SCREW          | 1             |         |
| 20   | T2071-41110  | PISTON              | 1             |         | 54   | 5990-75160   | • RETAINER       | 1             |         |
| 21   | T2071-41210  | RING                | 1             |         | 55   | 5990-75170   | • WASHER         | 1             |         |
| 22   | 1101-41310   | PIN                 | 1             |         | 56   | 1861-75180   | • ROPE           | 1             |         |
| 23   | 1260-41320   | RING                | 2             |         | 57   | 1490-75181   | • KNOB           | 1             |         |
| 24   | 5500-41410   | BEARING             | 1             |         | 58   | 0263-90416   | SCREW            | 4             | M4x16L  |
| 25   | 1101-41340   | WASHER              | 2             |         | 59   | 575 65 50-01 | CARBURETOR-A     | 1             | WT-990  |
| 26   | T2070-42001  | CRANKSHAFT-C        | 1             |         | 60   | 3306-81380   | • SCREEN         | 1             |         |
| 27   | 1650-43230   | NUT                 | 1             | M8x1.0  | 61   | 3080-81120   | • COVER          | 1             |         |
| 28   | 1000-43240   | KEY                 | 1             |         | 62   | 3310-81130   | • SCREW          | 1             |         |
| 29   | 1140-43250   | SIM                 | 1             |         | 63   | 3304-81140   | • GASKET         | 1             |         |
| 30   | 1140-51111   | SHOE                | 2             |         | 64   | 1172-81150   | • DIAPHRAGM      | 1             |         |
| 31   | T2070-51220  | SPRING (6000rpm IN) | 1             |         | 65   | 1751-81470   | • GASKET         | 1             |         |
| 32   | 1140-51250   | SCREW               | 2             | M6x22L  | 66   | 3310-81260   | • DIAPHRAGM      | 1             |         |
| 33   | 1140-51230   | WASHER              | 2             |         | 67   | T2070-81210  | • BODY-A         | 1             |         |
| 34   | 1140-51242   | WASHER              | 2             |         | 68   | 1751-81520   | • COVER          | 1             |         |

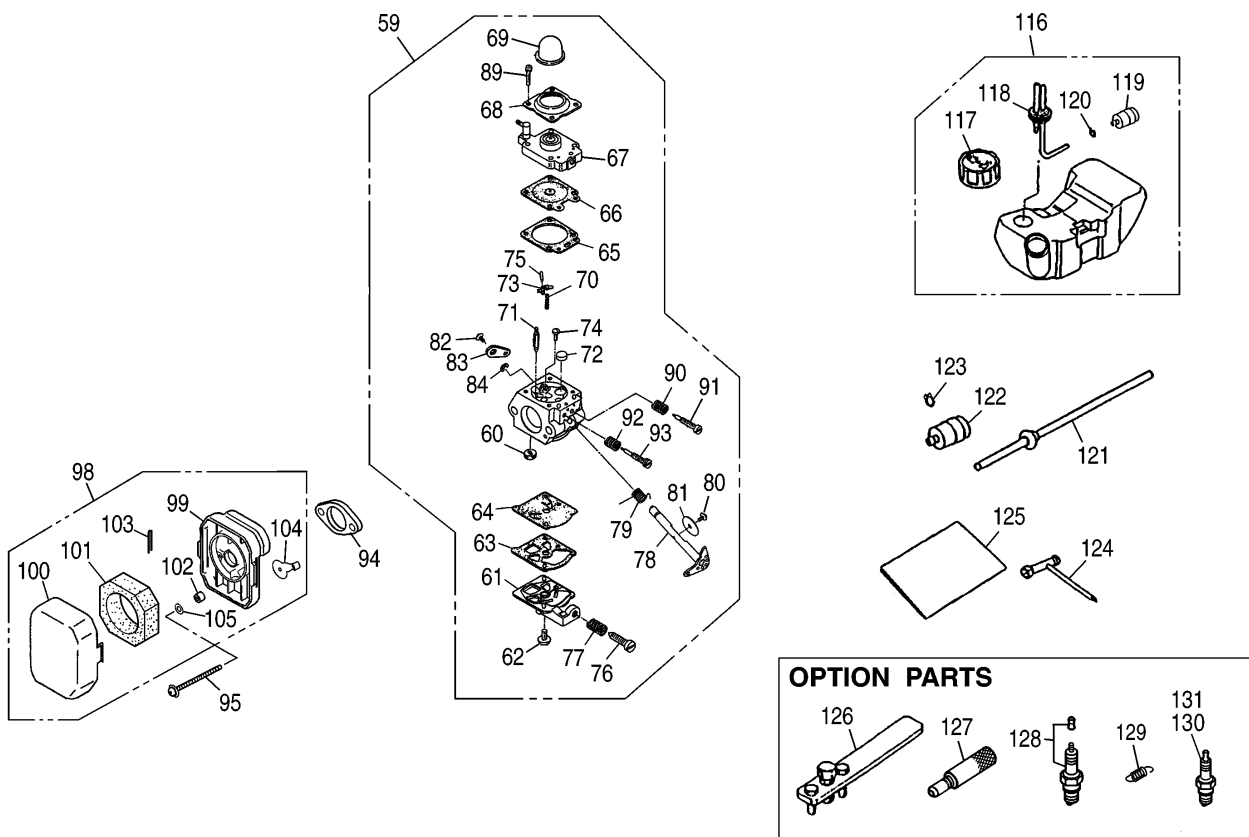
## G240RC (X374323111)

| KEY# | PART NUMBER | DESCRIPTION         | Q'TY/<br>UNIT | REMARKS | KEY# | PART NUMBER  | DESCRIPTION                               | Q'TY/<br>UNIT | REMARKS                                                  |
|------|-------------|---------------------|---------------|---------|------|--------------|-------------------------------------------|---------------|----------------------------------------------------------|
| 69   | 1751-81510  | • PUMP              | 1             | M5x60L  | 107  | T2070-31111  | COVER, FAN                                | 1             | M5x20L<br><br>M4x12L<br>TP4.5x18L                        |
| 70   | 2867-81270  | • SPRING            | 1             |         | 108  | 3310-12281   | BOLT                                      | 4             |                                                          |
| 71   | 3356-81310  | • VALVE inlet       | 1             |         | 109  | 576 87 19-01 | COVER-A                                   | 1             |                                                          |
| 72   | 1480-81420  | • PLUG welch        | 1             |         | 110  | 1850-32160   | SCREW                                     | 1             |                                                          |
| 73   | 3310-81230  | • LEVER             | 1             |         | 111  | 1900-31410   | SCREW                                     | 2             |                                                          |
| 74   | 3310-81240  | • SCREW             | 1             |         | 112  | 3699-91867   | SPARKPLUG NGK CMR7H                       | 1             |                                                          |
| 75   | 3310-81250  | • PIN               | 1             |         | 113  | T2070-72200  | SWITCH-A                                  | 1             |                                                          |
| 76   | 2630-81330  | • SCREW             | 1             |         | 114  | 848ER890C0   | LABEL, RECOIL                             | 1             |                                                          |
| 77   | 3350-81380  | • SPRING            | 1             |         | 116  | 1726-85004   | TANK-A                                    | 1             |                                                          |
| 78   | T2070-81370 | • SHAFT throttle    | 1             |         | 117  | 5601-85201   | • CAP-A                                   | 1             |                                                          |
| 79   | 2670-81410  | • SPRING            | 1             |         | 118  | 1726-85601   | • PIPE COMP                               | 1             |                                                          |
| 80   | 2880-81470  | • SCREW             | 1             |         | 119  | 5500-85400   | • FILTER                                  | 1             |                                                          |
| 81   | 3310-81340  | • VALVE throttle    | 1             |         | 120  | 1260-85460   | • CLIP                                    | 1             |                                                          |
| 82   | 2880-81470  | • SCREW             | 1             |         | 121  | 1799-85400   | PIPE COMP                                 | 1             |                                                          |
| 83   | 1790-81440  | • LEVER throttle    | 1             |         | 122  | 5500-85400   | FILTER                                    | 1             |                                                          |
| 84   | 1148-81390  | • RING              | 1             |         | 123  | 1260-85460   | CLIP                                      | 1             |                                                          |
| 89   | 1148-81530  | • SCREW             | 4             |         | 124  | T3039-91310  | SOCKET                                    | 1             | OP<br>OP<br>OP<br>OP<br>OP<br>OP<br>OP<br>OP<br>OP<br>OP |
| 90   | 1491-81160  | • SPRING            | 1             |         | 125  | 115 39 20-26 | MANUAL                                    | 1             |                                                          |
| 91   | 1148-81171  | • NEEDLE low speed  | 1             |         | 126  | 2890-96100   | PULLER-A                                  | 1             |                                                          |
| 92   | 3080-81320  | • SPRING            | 1             |         | 127  | 4810-96220   | STOPPER                                   | 1             |                                                          |
| 93   | T2070-81330 | • NEEDLE high speed | 1             |         | 128  | 848ETZ71T0   | SPARKPLUG<br>NGK CR8HIX with Terminal Nut | 1             |                                                          |
| 94   | T2070-82510 | SPACER              | 1             |         | 129  | 1764-51220   | SPRING (5000rpm IN)                       | 1             |                                                          |
| 95   | 0263-90560  | SCREW               | 2             |         | 130  | 3699-91975   | SPARKPLUG NGK CMR6H                       | 1             |                                                          |
| 98   | 848ER88300  | CLEANER-A           | 1             |         | 131  | 3699-91809   | SPARKPLUG Champion RZ7C                   | 1             |                                                          |
| 99   | T1000-82110 | • HOUSING           | 1             |         |      |              |                                           |               |                                                          |
| 100  | 5730-82040  | • COVER             | 1             |         |      |              |                                           |               |                                                          |
| 101  | 1751-82020  | • FILTER            | 1             |         |      |              |                                           |               |                                                          |
| 102  | 5730-82060  | • SLEEVE            | 2             |         |      |              |                                           |               |                                                          |
| 103  | 848EP183Y0  | • CLIP              | 1             |         |      |              |                                           |               |                                                          |
| 104  | 848ER883C0  | • VALVE             | 1             |         |      |              |                                           |               |                                                          |
| 105  | 1918-82160  | • WASHER            | 1             |         |      |              |                                           |               |                                                          |

## PARTS LIST G270RC (X374326111)



## G270RC (X374326111)



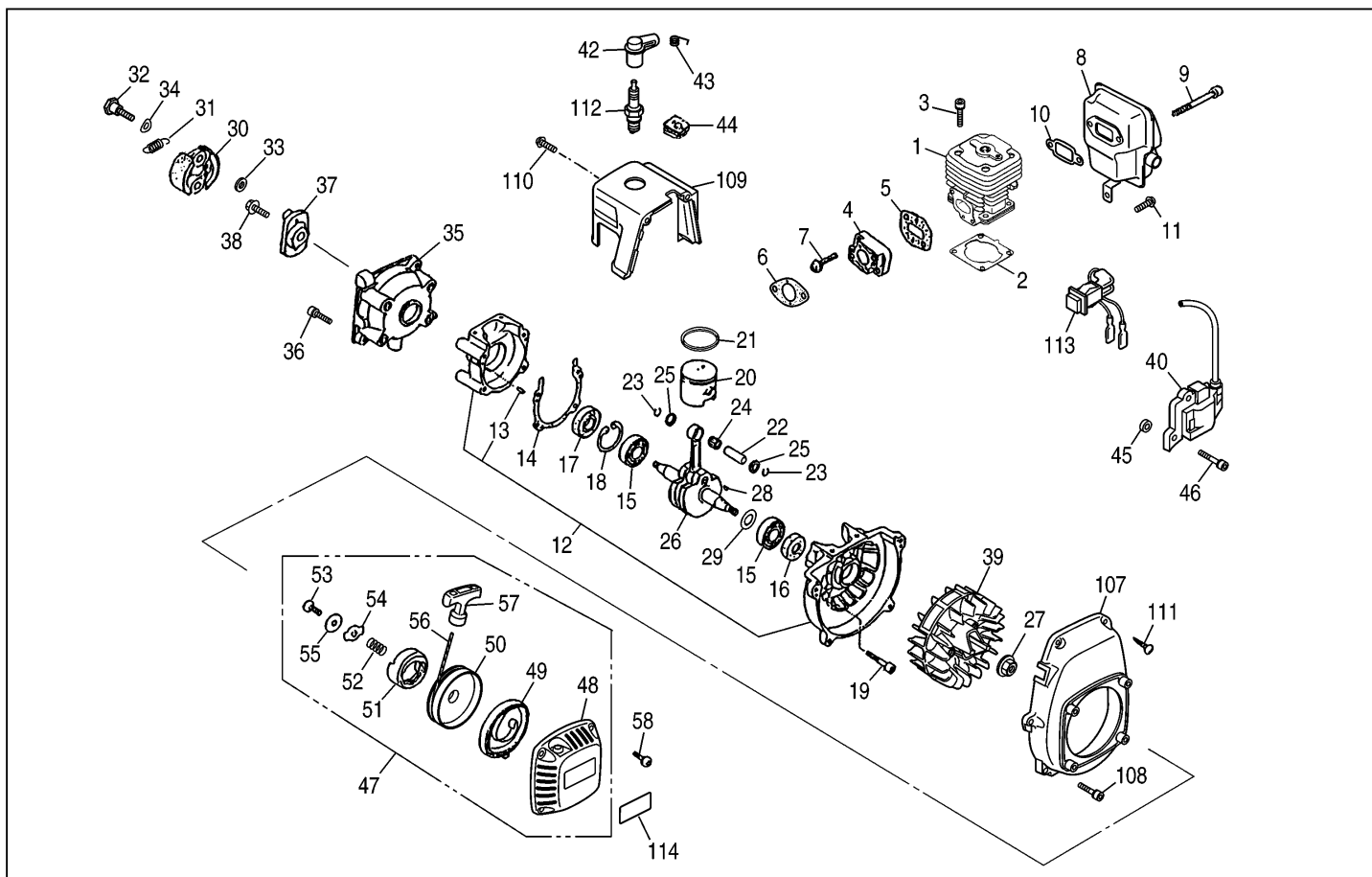
## PARTS LIST G270RC (X374326111)

| KEY# | PART NUMBER  | DESCRIPTION         | Q'TY/<br>UNIT | REMARKS | KEY# | PART NUMBER  | DESCRIPTION      | Q'TY/<br>UNIT | REMARKS |
|------|--------------|---------------------|---------------|---------|------|--------------|------------------|---------------|---------|
| 1    | 848ET812A0   | CYLINDER            | 1             |         | 35   | 1140-21162   | CASE, CLUTCH     | 1             |         |
| 2    | 579 24 83-01 | GASKET, CYL         | 1             |         | 36   | 3350-15250   | BOLT             | 4             | M5x16L  |
| 3    | 3310-12281   | BOLT                | 4             | M5x20L  | 37   | 1140-55310   | PLATE            | 1             |         |
| 4    | 1148-13162   | INSULATOR           | 1             |         | 38   | 0224-30614   | BOLT             | 1             | M6x14L  |
| 5    | 848ER814B0   | GASKET, INSU        | 1             |         | 39   | T2070-71110  | ROTOR            | 1             |         |
| 6    | T2075-14120  | GASKET, CARB        | 1             |         | 40   | T2070-71200  | COIL-A           | 1             |         |
| 7    | 3310-12281   | BOLT                | 2             | M5x20L  |      |              |                  |               |         |
| 8    | T2070-15110  | MUFFLER             | 1             |         | 42   | T2075-72210  | CAP              | 1             |         |
| 9    | 01252-30550  | BOLT                | 2             | M5x50L  | 43   | 1400-72121   | SPRING           | 1             |         |
| 10   | 1140-13141   | GASKET, MUFFLER     | 1             |         | 44   | 5500-72130   | GROMMET          | 1             |         |
| 11   | 1850-32160   | SCREW               | 1             | M4x12L  | 45   | 1260-71261   | SPACER           | 2             |         |
| 12   | 848ER82110   | CRANKCASE-C         | 1             |         | 46   | 3350-14150   | BOLT             | 2             | M4x20L  |
| 13   | 2629-21130   | • PIN               | 3             |         | 47   | T2070-75101  | RECOIL-A         | 1             |         |
| 14   | 5500-21141   | GASKET, CASE        | 1             |         | 48   | T2070-75110  | • CASE           | 1             |         |
| 15   | 1155-21240   | BEARING             | 2             |         | 49   | 5990-75120   | • SPRING, SPIRAL | 1             |         |
| 16   | 2169-21210   | SEAL                | 1             |         | 50   | 5990-75131   | • REEL           | 1             |         |
| 17   | 06034-06001  | BEARING             | 1             |         | 51   | 5990-75141   | • RATCHET        | 1             |         |
| 18   | 04065-02812  | RING                | 1             |         | 52   | 5990-75151   | • SPRING, BREAK  | 1             |         |
| 19   | 01252-30530  | BOLT                | 4             | M5x30L  | 53   | 5990-75270   | • SCREW          | 1             |         |
| 20   | T2088-41110  | PISTON              | 1             |         | 54   | 5990-75160   | • RETAINER       | 1             |         |
| 21   | T2088-41210  | RING                | 1             |         | 55   | 5990-75170   | • WASHER         | 1             |         |
| 22   | 1600-41310   | PIN                 | 1             |         | 56   | 1861-75180   | • ROPE           | 1             |         |
| 23   | 1260-41320   | RING                | 2             |         | 57   | 1490-75181   | • KNOB           | 1             |         |
| 24   | 5500-41410   | BEARING             | 1             |         | 58   | 0263-90416   | SCREW            | 4             | M4x16L  |
| 25   | 1101-41340   | WASHER              | 2             |         | 59   | 575 65 50-01 | CARBURETOR-A     | 1             | WT-990  |
| 26   | T2070-42001  | CRANKSHAFT-C        | 1             |         | 60   | 3306-81380   | • SCREEN         | 1             |         |
| 27   | 1650-43230   | NUT                 | 1             | M8x1.0  | 61   | 3080-81120   | • COVER          | 1             |         |
| 28   | 1000-43240   | KEY                 | 1             |         | 62   | 3310-81130   | • SCREW          | 1             |         |
| 29   | 1140-43250   | SIM                 | 1             |         | 63   | 3304-81140   | • GASKET         | 1             |         |
| 30   | 1140-51111   | SHOE                | 2             |         | 64   | 1172-81150   | • DIAPHRAGM      | 1             |         |
| 31   | T2070-51220  | SPRING (6000rpm IN) | 1             |         | 65   | 1751-81470   | • GASKET         | 1             |         |
| 32   | 1140-51250   | SCREW               | 2             | M6x22L  | 66   | 3310-81260   | • DIAPHRAGM      | 1             |         |
| 33   | 1140-51230   | WASHER              | 2             |         | 67   | T2070-81210  | • BODY-A         | 1             |         |
| 34   | 1140-51242   | WASHER              | 2             |         | 68   | 1751-81520   | • COVER          | 1             |         |

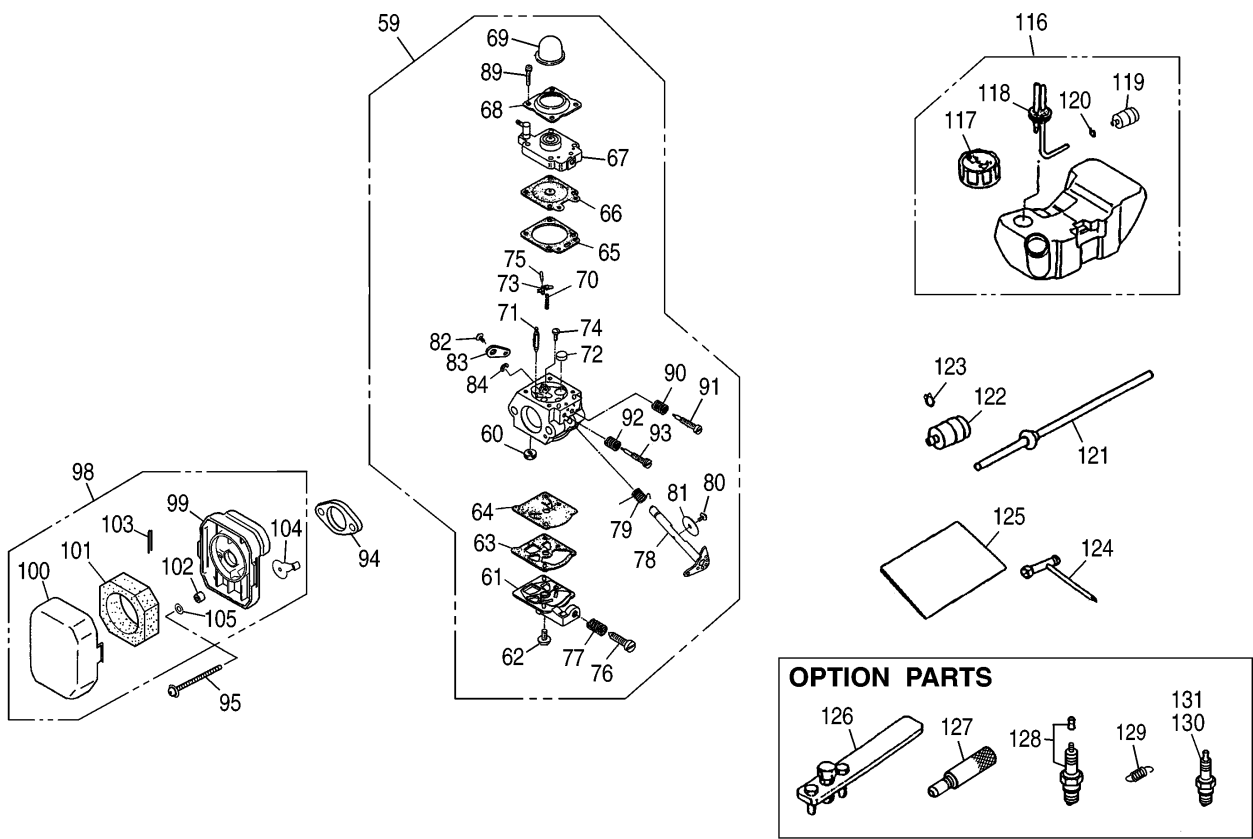
## G270RC (X374326111)

| KEY# | PART NUMBER | DESCRIPTION         | Q'TY/<br>UNIT | REMARKS | KEY# | PART NUMBER  | DESCRIPTION                               | Q'TY/<br>UNIT | REMARKS |
|------|-------------|---------------------|---------------|---------|------|--------------|-------------------------------------------|---------------|---------|
| 69   | 1751-81510  | • PUMP              | 1             |         | 107  | T2070-31111  | COVER, FAN                                | 1             |         |
| 70   | 2867-81270  | • SPRING            | 1             |         | 108  | 3310-12281   | BOLT                                      | 4             |         |
| 71   | 3356-81310  | • VALVE inlet       | 1             |         | 109  | 576 87 19-01 | COVER-A                                   | 1             |         |
| 72   | 1480-81420  | • PLUG welch        | 1             |         | 110  | 1850-32160   | SCREW                                     | 1             |         |
| 73   | 3310-81230  | • LEVER             | 1             |         | 111  | 1900-31410   | SCREW                                     | 2             |         |
| 74   | 3310-81240  | • SCREW             | 1             |         | 112  | 3699-91867   | SPARKPLUG NGK CMR7H                       | 1             |         |
| 75   | 3310-81250  | • PIN               | 1             |         | 113  | T2070-72200  | SWITCH-A                                  | 1             |         |
| 76   | 2630-81330  | • SCREW             | 1             |         | 114  | 848ET890C0   | LABEL, RECOIL                             | 1             |         |
| 77   | 3350-81380  | • SPRING            | 1             |         | 116  | 1726-85004   | TANK-A                                    | 1             |         |
| 78   | T2070-81370 | • SHAFT throttle    | 1             |         | 117  | 5601-85201   | • CAP-A                                   | 1             |         |
| 79   | 2670-81410  | • SPRING            | 1             |         | 118  | 1726-85601   | • PIPE COMP                               | 1             |         |
| 80   | 2880-81470  | • SCREW             | 1             |         | 119  | 5500-85400   | • FILTER                                  | 1             |         |
| 81   | 3310-81340  | • VALVE throttle    | 1             |         | 120  | 1260-85460   | • CLIP                                    | 1             |         |
| 82   | 2880-81470  | • SCREW             | 1             |         | 121  | 1799-85400   | PIPE COMP                                 | 1             |         |
| 83   | 1790-81440  | • LEVER throttle    | 1             |         | 122  | 5500-85400   | FILTER                                    | 1             |         |
| 84   | 1148-81390  | • RING              | 1             |         | 123  | 1260-85460   | CLIP                                      | 1             |         |
| 89   | 1148-81530  | • SCREW             | 4             |         | 124  | T3039-91310  | SOCKET                                    | 1             |         |
| 90   | 1491-81160  | • SPRING            | 1             |         | 125  | 115 39 20-26 | MANUAL                                    | 1             |         |
| 91   | 1148-81171  | • NEEDLE low speed  | 1             |         | 126  | 2890-96100   | PULLER-A                                  | 1             |         |
| 92   | 3080-81320  | • SPRING            | 1             |         | 127  | 4810-96220   | STOPPER                                   | 1             |         |
| 93   | T2070-81330 | • NEEDLE high speed | 1             |         | 128  | 848ETZ71T0   | SPARKPLUG<br>NGK CR8HIX with Terminal Nut | 1             |         |
| 94   | T2070-82510 | SPACER              | 1             | M5x60L  | 129  | 1764-51220   | SPRING (5000rpm IN)                       | 1             |         |
| 95   | 0263-90560  | SCREW               | 2             |         | 130  | 3699-91975   | SPARKPLUGNGK CMR6H                        | 1             |         |
| 98   | 848ER88300  | CLEANER-A           | 1             |         | 131  | 3699-91809   | SPARKPLUG Champion RZ7C                   | 1             |         |
| 99   | T1000-82110 | • HOUSING           | 1             |         |      |              |                                           |               |         |
| 100  | 5730-82040  | • COVER             | 1             |         |      |              |                                           |               |         |
| 101  | 1751-82020  | • FILTER            | 1             |         |      |              |                                           |               |         |
| 102  | 5730-82060  | • SLEEVE            | 2             |         |      |              |                                           |               |         |
| 103  | 848EP183Y0  | • CLIP              | 1             |         |      |              |                                           |               |         |
| 104  | 848ER883C0  | • VALVE             | 1             |         |      |              |                                           |               |         |
| 105  | 1918-82160  | • WASHER            | 1             |         |      |              |                                           |               |         |

## PARTS LIST G290RC (966669901)



**PARTS LIST G290RC (966669901)**



## PARTS LIST G290RC (966669901)

| KEY# | PART NUMBER  | DESCRIPTION         | Q'TY/<br>UNIT | REMARKS | KEY# | PART NUMBER  | DESCRIPTION      | Q'TY/<br>UNIT | REMARKS |
|------|--------------|---------------------|---------------|---------|------|--------------|------------------|---------------|---------|
| 1    | 574 79 09-01 | CYLINDER            | 1             |         | 35   | 1140-21162   | CASE, CLUTCH     | 1             |         |
| 2    | 579 24 83-01 | GASKET, CYL         | 1             |         | 36   | 3350-15250   | BOLT             | 4             | M5x16L  |
| 3    | 3310-12281   | BOLT                | 4             | M5x20L  | 37   | 1140-55310   | PLATE            | 1             |         |
| 4    | 1148-13162   | INSULATOR           | 1             |         | 38   | 0224-30614   | BOLT             | 1             | M6x14L  |
| 5    | 848ER814B0   | GASKET, INSU        | 1             |         | 39   | T2070-71110  | ROTOR            | 1             |         |
| 6    | T2075-14120  | GASKET, CARB        | 1             |         | 40   | T2070-71200  | COIL-A           | 1             |         |
| 7    | 3310-12281   | BOLT                | 2             | M5x20L  |      |              |                  |               |         |
| 8    | T2070-15110  | MUFFLER             | 1             |         | 42   | T2075-72210  | CAP              | 1             |         |
| 9    | 01252-30550  | BOLT                | 2             | M5x50L  | 43   | 1400-72121   | SPRING           | 1             |         |
| 10   | 1140-13141   | GASKET, MUFFLER     | 1             |         | 44   | 5500-72130   | GROMMET          | 1             |         |
| 11   | 1850-32160   | SCREW               | 1             | M4x12L  | 45   | 1260-71261   | SPACER           | 2             |         |
| 12   | 848ER82110   | CRANKCASE-C         | 1             |         | 46   | 3350-14150   | BOLT             | 2             | M4x20L  |
| 13   | 2629-21130   | • PIN               | 3             |         | 47   | T2070-75101  | RECOIL-A         | 1             |         |
| 14   | 5500-21141   | GASKET, CASE        | 1             |         | 48   | T2070-75110  | • CASE           | 1             |         |
| 15   | 1155-21240   | BEARING             | 2             |         | 49   | 5990-75120   | • SPRING, SPIRAL | 1             |         |
| 16   | 2169-21210   | SEAL                | 1             |         | 50   | 5990-75131   | • REEL           | 1             |         |
| 17   | 06034-06001  | BEARING             | 1             |         | 51   | 5990-75141   | • RATCHET        | 1             |         |
| 18   | 04065-02812  | RING                | 1             |         | 52   | 5990-75151   | • SPRING, BREAK  | 1             |         |
| 19   | 01252-30530  | BOLT                | 4             | M5x30L  | 53   | 5990-75270   | • SCREW          | 1             |         |
| 20   | 574 79 10-01 | PISTON              | 1             |         | 54   | 5990-75160   | • RETAINER       | 1             |         |
| 21   | 574 79 11-01 | RING                | 1             |         | 55   | 5990-75170   | • WASHER         | 1             |         |
| 22   | 574 79 12-01 | PIN                 | 1             |         | 56   | 1861-75180   | • ROPE           | 1             |         |
| 23   | 1260-41320   | RING                | 2             |         | 57   | 1490-75181   | • KNOB           | 1             |         |
| 24   | 5500-41410   | BEARING             | 1             |         | 58   | 0263-90416   | SCREW            | 4             | M4x16L  |
| 25   | 1101-41340   | WASHER              | 2             |         | 59   | 575 65 50-01 | CARBURETOR-A     | 1             | WT-990  |
| 26   | T2070-42001  | CRANKSHAFT-C        | 1             |         | 60   | 3306-81380   | • SCREEN         | 1             |         |
| 27   | 1650-43230   | NUT                 | 1             | M8x1.0  | 61   | 3080-81120   | • COVER          | 1             |         |
| 28   | 1000-43240   | KEY                 | 1             |         | 62   | 3310-81130   | • SCREW          | 1             |         |
| 29   | 1140-43250   | SIM                 | 1             |         | 63   | 3304-81140   | • GASKET         | 1             |         |
| 30   | 1140-51111   | SHOE                | 2             |         | 64   | 1172-81150   | • DIAPHRAGM      | 1             |         |
| 31   | T2070-51220  | SPRING (6000rpm IN) | 1             |         | 65   | 1751-81470   | • GASKET         | 1             |         |
| 32   | 1140-51250   | SCREW               | 2             | M6x22L  | 66   | 3310-81260   | • DIAPHRAGM      | 1             |         |
| 33   | 1140-51230   | WASHER              | 2             |         | 67   | T2070-81210  | • BODY-A         | 1             |         |
| 34   | 1140-51242   | WASHER              | 2             |         | 68   | 1751-81520   | • COVER          | 1             |         |

## PARTS LIST G290RC (966669901)

| KEY# | PART NUMBER | DESCRIPTION         | Q'TY/<br>UNIT | REMARKS | KEY# | PART NUMBER  | DESCRIPTION                               | Q'TY/<br>UNIT | REMARKS   |
|------|-------------|---------------------|---------------|---------|------|--------------|-------------------------------------------|---------------|-----------|
| 69   | 1751-81510  | • PUMP              | 1             |         | 107  | T2070-31111  | COVER, FAN                                | 1             |           |
| 70   | 2867-81270  | • SPRING            | 1             |         | 108  | 3310-12281   | BOLT                                      | 4             | M5x20L    |
| 71   | 3356-81310  | • VALVE inlet       | 1             |         | 109  | 576 87 19-01 | COVER-A                                   | 1             |           |
| 72   | 1480-81420  | • PLUG welch        | 1             |         | 110  | 1850-32160   | SCREW                                     | 1             | M4x12L    |
| 73   | 3310-81230  | • LEVER             | 1             |         | 111  | 1900-31410   | SCREW                                     | 2             | TP4.5x18L |
| 74   | 3310-81240  | • SCREW             | 1             |         | 112  | 3699-91867   | SPARKPLUG NGK CMR7H                       | 1             |           |
| 75   | 3310-81250  | • PIN               | 1             |         | 113  | T2070-72200  | SWITCH-A                                  | 1             |           |
| 76   | 2630-81330  | • SCREW             | 1             |         | 114  | 576 92 77-01 | LABEL, RECOIL                             | 1             |           |
| 77   | 3350-81380  | • SPRING            | 1             |         |      |              |                                           |               |           |
| 78   | T2070-81370 | • SHAFT throttle    | 1             |         | 116  | 1726-85004   | TANK-A                                    | 1             | OP        |
| 79   | 2670-81410  | • SPRING            | 1             |         | 117  | 5601-85201   | • CAP-A                                   | 1             | OP        |
| 80   | 2880-81470  | • SCREW             | 1             |         | 118  | 1726-85601   | • PIPE COMP                               | 1             | OP        |
| 81   | 3310-81340  | • VALVE throttle    | 1             |         | 119  | 5500-85400   | • FILTER                                  | 1             | OP        |
| 82   | 2880-81470  | • SCREW             | 1             |         | 120  | 1260-85460   | • CLIP                                    | 1             | OP        |
| 83   | 1790-81440  | • LEVER throttle    | 1             |         | 121  | 1799-85400   | PIPE COMP                                 | 1             |           |
| 84   | 1148-81390  | • RING              | 1             |         | 122  | 5500-85400   | FILTER                                    | 1             |           |
|      |             |                     |               |         | 123  | 1260-85460   | CLIP                                      | 1             |           |
| 89   | 1148-81530  | • SCREW             | 4             |         | 124  | T3039-91310  | SOCKET                                    | 1             |           |
| 90   | 1491-81160  | • SPRING            | 1             |         | 125  | 115 39 20-26 | MANUAL                                    | 1             |           |
| 91   | 1148-81171  | • NEEDLE low speed  | 1             |         | 126  | 2890-96100   | PULLER-A                                  | 1             | OP        |
| 92   | 3080-81320  | • SPRING            | 1             |         | 127  | 4810-96220   | STOPPER                                   | 1             | OP        |
| 93   | T2070-81330 | • NEEDLE high speed | 1             |         | 128  | 848ETZ71T0   | SPARKPLUG<br>NGK CR8HIX with Terminal Nut | 1             | OP        |
| 94   | T2070-82510 | SPACER              | 1             |         |      |              |                                           |               |           |
| 95   | 0263-90560  | SCREW               | 2             | M5x60L  | 129  | 1764-51220   | SPRING (5000rpm IN)                       | 1             | OP        |
| 98   | 848ER88300  | CLEANER-A           | 1             |         | 130  | 3699-91975   | SPARKPLUGNGK CMR6H                        | 1             | OP        |
| 99   | T1000-82110 | • HOUSING           | 1             |         | 131  | 3699-91809   | SPARKPLUG Champion RZ7C                   | 1             | OP        |
| 100  | 5730-82040  | • COVER             | 1             |         |      |              |                                           |               |           |
| 101  | 1751-82020  | • FILTER            | 1             |         |      |              |                                           |               |           |
| 102  | 5730-82060  | • SLEEVE            | 2             |         |      |              |                                           |               |           |
| 103  | 848EP183Y0  | • CLIP              | 1             |         |      |              |                                           |               |           |
| 104  | 848ER883C0  | • VALVE             | 1             |         |      |              |                                           |               |           |
| 105  | 1918-82160  | • WASHER            | 1             |         |      |              |                                           |               |           |

# WARRANTY

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## WARRANTY TERMS

### 1) Scope of Application

This engine manufactured by Husqvarna Zenoah Co., Ltd. (herein after “Zenoah”). And sold to the user directly or through distributor/manufacturer, shall entitle to be covered by this warranty.

### 2) Limits of Warranty

Zenoah warrants that;

1. The quality disclosed in the specifications.
2. The engine which shall be considered defective by Zenoah, caused by material or production fault.

### 3) Limits of Compensation

1. Zenoah compensates such quality, material and production faults by repairing or replacing through distributor/manufacture.
2. Zenoah shall not compensate any other accompanied or benefit losses caused to user and distributor/manufacture by such faults and through repairing or replacing.

## **WARRANTY**

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### **4) Term of Warranty**

Three (3) months after purchased by end- user subject to 12 months from produced month.

### **5) Exempt from Warranty**

Zenoah shall not warrant this engine even if the fault has been caused during the period of terms of Warranty, in case that.

1. Any faults, failures caused from neglect of proper operation and maintenance described in OWNER'S MANUAL.
2. Any modification not approved by Zenoah.
3. Normal abrasion and deterioration.
4. Consuming parts.
5. Using any parts which have not been certified by Zenoah.
6. Add-on or modified use.



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