

## PARTS LIST FOR SAITO FG-19R3

April 14, 2015

SAITO SEISAKUSHO CO., LTD.

| Head No. | No.  | DESCRIPTION                      | SUB | REMARKS  |       |     |    |
|----------|------|----------------------------------|-----|--|-------|-----|----|
|          |      |                                  |     | DETAILS  | ITEMS | REF | PE |
| 120R3    | 1    | Cylinder                         |     | Cylinder   | 120R3 |     | 3  |
| G19R3    | 06   | Piston                           |     | Piston   | G19R3 |     | 3  |
| 45       | 07   | Piston pin                       |     | Piston pin   | 45    |     | 3  |
| 50       | 08   | Piston pin retainer              |     | Piston pin plug (Teflon)                             | 50    |     | 6  |
| 45S      | 09   | Piston ring                      |     | Piston ring  | 45S   |     | 6  |
| G19R3    | 10   | Master rod                       |     | Master rod   | G19R3 |     | 1  |
| 120R3    | 11   | Linked conrod                    |     | Link rod   | 120R3 |     | 2  |
| 90R3     | 12   | Conrod linkpin & E-ring          | 1   | Link pin   | 90R3  |     | 2  |
|          |      |                                  | 2   | "E" ring for link pin                                | 90R3  |     | 2  |
| 50       | 14   | Cylinder screw set               | 1   | Cap screw M3x10 for cylinder                         | 50    |     | 12 |
|          |      |                                  | 2   | Cap screw M2.6x16 for rocker arm cover / seal washer | 50    |     | 12 |
| G19R3    | 15   | Crankcase                        |     | Crankcase  | G19R3 |     | 1  |
| G19R3    | 17   | Rear cover (A)                   |     | Rear cover (A) / set screw M3x3 / Insulator          | G19R3 |     | 1  |
| G19R3    | 18   | Rear cover (B)                   |     | Rear cover (B)                                       | G19R3 |     | 1  |
| 50       | 19   | Breather nipple                  |     | Breather nipple                                      | 50    |     | 1  |
| 65       | 20A  | Front bearing                    |     | Front bearing (#608LLU)                              | 65    |     | 1  |
| 91S      | 22   | Rear bearing                     |     | Rear bearing (#6902ZZC3)                             | 91S   |     | 1  |
| G19R3    | 23   | Crankshaft                       |     | Crankshaft   | G19R3 |     | 1  |
| G19R3    | 27   | Taper collet & Drive flange      | 1   | Taper collet   | G19R3 |     | 1  |
|          |      |                                  | 2   | Drive flange (With magnet)                           | G19R3 |     | 1  |
| 56       | 28   | Prop washer & nut                | 1   | Propeller washer                                     | 56    |     | 1  |
|          |      |                                  | 2   | Propeller nut  | 56    |     | 1  |
| G19R3    | 31   | Crankcase screw set              | 1   | Cap screw M3.5x12 for rear cover (A)                 |       |     | 6  |
|          |      |                                  | 2   | Cap screw M3.5x12 for engine mount                   |       |     | 6  |
|          |      |                                  | 3   | Cap screw M2.6x8 for cam gear housing                |       |     | 12 |
|          |      |                                  | 4   | Cap screw M2.6x6 for rear cover (B)                  |       |     | 4  |
|          |      |                                  | 5   | Set screw M3x4 for cam gear shaft                    |       |     | 3  |
|          |      |                                  | 6   | Cap screw M3x5 for carburetor                        |       |     | 1  |
| G19R3    | 32   | Engine gasket set                | 1   | Gasket for cam gear housing                          |       |     | 3  |
|          |      |                                  | 2   | Gasket for rocker arm cover                          |       |     | 6  |
|          |      |                                  | 3   | Gasket for rear cover (A) t0.2mm Brown               |       |     | 1  |
|          |      |                                  | 4   | "O" ring S-9 (Viton) for intake pipe                 |       |     | 9  |
|          |      |                                  | 8   | Gasket for cylinder                                  | G19R3 |     | 3  |
| 40a      | 33   | Cam gear housing                 |     | Cam gear housing/Set screw M3x4                      | 40a   |     | 3  |
| 30S      | 35A  | Cam gear (right)                 |     | Cam gear   | 30S   |     | 3  |
| 90R3     | 36A  | Cam gear shaft                   |     | Cam gear shaft                                       | 90R3  |     | 3  |
| 30S      | 37   | Steel washer set                 |     | Steel washer for cam gear shaft                      | 30S   |     | 6  |
| 30S      | 38   | Tappet                           |     | Tappet   | 30S   |     | 6  |
| 72       | 39A  | Pushrod                          |     | Push rod   | 72    |     | 6  |
| 72       | 40   | Pushrod cover & Rubber seal      | 1   | Push rod cover                                       | 72    |     | 6  |
|          |      |                                  | 2   | Rubber bush for Pushrod cover (U)                    | 72    |     | 6  |
|          |      |                                  | 3   | Rubber bush for Pushrod cover (L)                    | 72    |     | 6  |
| 60T      | 41   | Rocker arm                       |     | Rocker arm   | 60T   |     | 6  |
| 50       | 42   | Rocker arm screw & nut           | 1   | Adjusting screw for rocker arm                       | 50    |     | 6  |
|          |      |                                  | 2   | Lock nut   | 50    |     | 6  |
| 30S      | 43   | Rocker arm pin                   |     | Rocker arm pin                                       | 30S   |     | 6  |
| 30S      | 46   | Valve (in & out)                 | 1   | Valve for intake                                     | 30S   |     | 6  |
| 30S      | 47   | Valve spring & Keeper & Retainer | 1   | Valve spring   | 30S   |     | 6  |
|          |      |                                  | 2   | Valve spring Keeper                                  | 30S   |     | 6  |
|          |      |                                  | 3   | Cotter (E ring)                                      | 30S   |     | 6  |
| 30SH     | 49   | Rocker arm cover                 |     | Rocker arm cover                                     | 30SH  |     | 6  |
| 120R3    | 69   | Intake pipe                      |     | Intake pipe  | 120R3 |     | 3  |
| G19R3    | 78   | Muffler complete                 | 1   | Flexible muffler for No.1 cylinder (Long)            | G19R3 |     | 1  |
|          |      |                                  | 2   | Flexible muffler for No.2 cylinder (Short)           | G19R3 |     | 1  |
|          |      |                                  | 3   | Flexible muffler for No.3 cylinder (Middle)          | G19R3 |     | 1  |
|          |      |                                  | 5   | Muffler set band/M3 cap screw & nut                  | G33R3 |     | 1  |
|          |      |                                  | 6   | Aluminum gasket                                      | 90R3  |     | 3  |
| G19R3    | 82-1 | Carburetor Complete              | 1   | Carburetor body                                      | G19R3 |     | 1  |
|          |      |                                  | 2   | Spray bar  | G19R3 |     | 1  |
|          |      |                                  | 3   | Main needle stopper                                  | 50    |     | 1  |
|          |      |                                  | 4   | lock nut for Spray bar                               | 50    |     | 1  |
|          |      |                                  | 5   | Throttle valve                                       | G19R3 | 87  | 1  |
|          |      |                                  | 7   | Throttle guide screw                                 | 91S   |     | 1  |
|          |      |                                  | 8   | Spring washer for throttle guide screw               | 91S   |     | 1  |
|          |      |                                  | 9   | "O"ring P-2 NBR for Slow needle valve                | 50    |     | 1  |
|          |      |                                  | 13  | Cap screw M2.6x20 for carburetor                     | G33R3 |     | 2  |
|          |      |                                  | 14  | "O"ring P-5 NBR for spray bar                        | 50    |     | 1  |
|          |      |                                  | 15  | Carburetor nipple                                    | 50    |     | 1  |
|          |      |                                  | 16  | Throttle valve spring                                | G20   |     | 1  |
|          |      |                                  | 17  | Spring for pump diaphragm                            | G20   |     | 1  |
|          |      |                                  | 18  | Pump diaphragm                                       | G20   |     | 1  |
|          |      |                                  | 19  | Plunger housing No.1                                 | G20   |     | 1  |
|          |      |                                  | 20  | Gasket   | G20   |     | 1  |

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|          |                                  |                                  |     | DETAILS                                    | ITEMS | REF  | PE |
| G19R3    | 82-1                             | Carburetor Complete              | 21  | Plunger housing No.2                       | G20   |      | 1  |
|          |                                  |                                  | 22  | Vacuum diaphragm                           | G20   |      | 1  |
|          |                                  |                                  | 23  | Pump cover                                 | G20   |      | 1  |
|          |                                  |                                  | 24  | Plunger No.1                               | G20   |      | 2  |
|          |                                  |                                  | 25  | Plunger No.2                               | G20   |      | 2  |
|          |                                  |                                  | 26  | M2.6x12 for pump assembly                  | G20   |      | 4  |
|          |                                  |                                  | 27  | Insulator                                  | G20   |      | 4  |
|          |                                  |                                  | 28  | M2.6 steel washer                          | G20   |      | 2  |
|          |                                  |                                  | 29  | Carburetor set bracket                     | G33R3 |      | 1  |
|          |                                  |                                  | 30  | Insulator for carburetor attachment        | G19R3 | 170  | 1  |
|          |                                  |                                  | 31  | "O"ring S-10 NBR for carburetor body       | G33R3 |      | 1  |
|          |                                  |                                  |     | Cap screw M3x5 for carburetor              |       | 31-6 | 1  |
|          |                                  |                                  |     | Main needle valve                          | G20   | 85   | 1  |
|          |                                  |                                  |     | Throttle lever                             | 50    | 88B  | 1  |
|          |                                  |                                  |     | Slow needle                                | 91S   | 89   | 1  |
|          |                                  |                                  |     | Set screw M3x3                             |       | 90-1 | 4  |
|          |                                  |                                  |     | O' ring P-2 (NBR) for spray bar            |       | 91-1 | 1  |
|          | Throttle valve extension adapter | 131                              | 131 | 1  |       |      |    |
| G20      | 85                               | Main needle valve                |     | Main needle valve                          | G20   |      | 1  |
|          |                                  |                                  |     | Set screw M3x3                             |       | 90-1 | 1  |
| 50       | 88B                              | Throttle lever                   |     | Throttle lever                             | 50    |      | 1  |
|          |                                  |                                  |     | Set screw M3x3                             |       | 90-1 | 1  |
| 130T     | 89                               | Slow needle                      |     | Slow needle                                | 91S   |      | 1  |
| G19R3    | 95                               | Engine mount(Right&Left)         |     | Mount plate (R&L,set)                      | G19R3 |      | 1  |
| 56       | 110                              | Anti loosening nut               |     | Anti loosening nut                         | 56    |      | 1  |
| G20      | 120                              | Spark Plug                       |     | Spark Plug SAI SP-1                        | G20   |      | 3  |
| 90R3     | 121                              | Crank pin spacer                 |     | Master rod retainer                        | 90R3  |      | 1  |
| G19R3    | 122                              | Spray bar with "O" ring          |     | Spray bar with "O" ring                    | G19R3 |      | 1  |
| 90R3     | 131                              | Throttle valve extension adapter |     | Throttle valve extension adapter/set screw | 90R3  |      | 1  |
| G19R3    | 140                              | Muffler right angle adopter      |     | Muffler right angle adopter / nut          | G19R3 |      | 3  |
| G36      | 152                              | Screw-pin                        |     | Screw-pin for drive flange setting         | G36   |      | 1  |
| G33R3    | 153                              | Electronic ignition system       | 1   | Main unit                                  | G33R3 |      | 1  |
|          |                                  |                                  | 2   | Sensor                                     | G84R3 |      | 1  |
|          |                                  |                                  | 3   | Cap screw M3x8(coating) for sensor         |       |      | 2  |
|          |                                  |                                  | 4   | M3 steel washer                            |       |      | 2  |
| G20      | 160                              | Pump assembly                    | 17  | Spring for pump diaphragm                  | G20   |      | 1  |
|          |                                  |                                  | 18  | Pump diaphragm                             | G20   |      | 1  |
|          |                                  |                                  | 19  | Plunger housing No.1                       | G20   |      | 1  |
|          |                                  |                                  | 20  | Gasket                                     | G20   |      | 1  |
|          |                                  |                                  | 21  | Plunger housing No.2                       | G20   |      | 1  |
|          |                                  |                                  | 22  | Vacuum diaphragm                           | G20   |      | 1  |
|          |                                  |                                  | 23  | Pump cover                                 | G20   |      | 1  |
|          |                                  |                                  | 24  | Plunger No.1                               | G20   |      | 2  |
|          |                                  |                                  | 25  | Plunger No.2                               | G20   |      | 2  |
|          |                                  |                                  |     | M2.6x12 for pump assembly                  | G20   |      | 4  |
| G19R3    | 170                              | Insulator for carburetor joint   |     | Insulator for carburetor joint             | G19R3 |      | 1  |