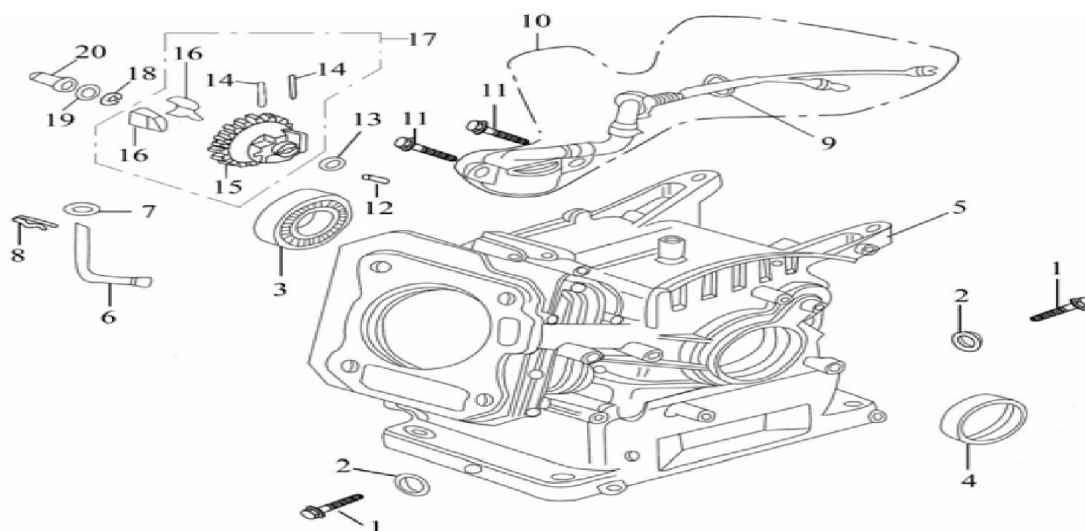
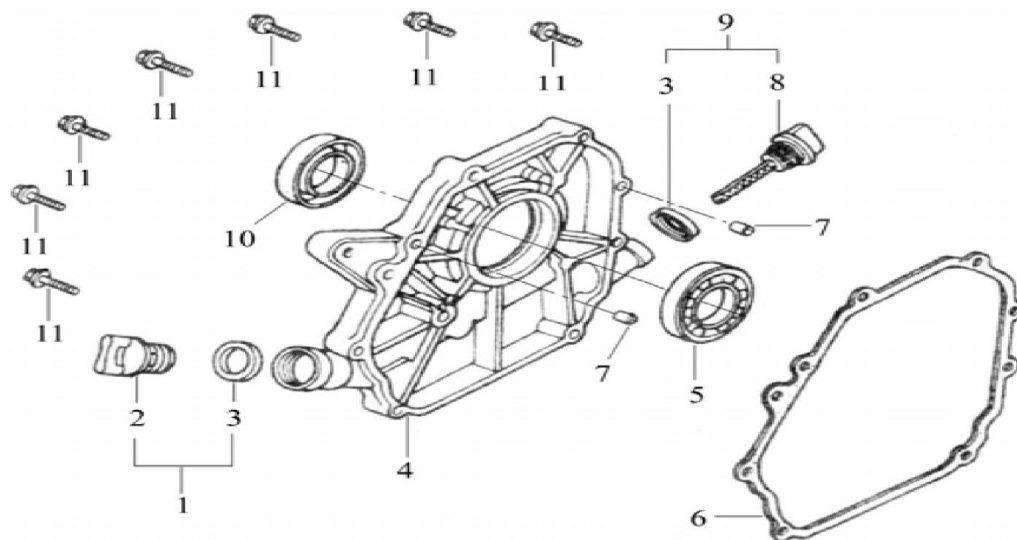


## E-1 CRANKCASE ASSY.

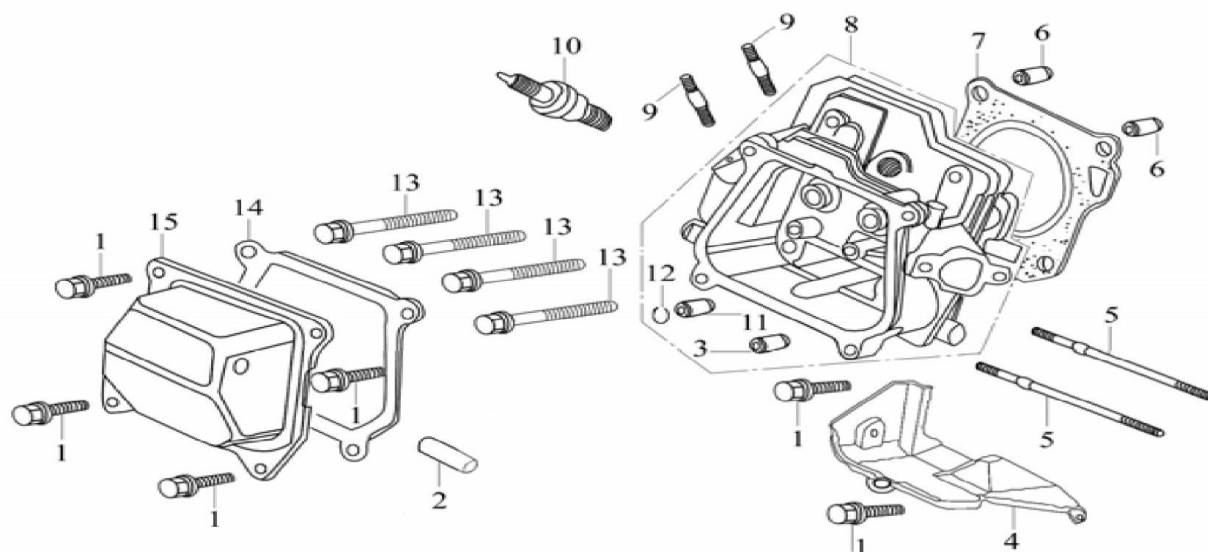


|    |        |                             |  |
|----|--------|-----------------------------|--|
| 1  |        | Drain plug                  |  |
| 2  |        | Washer                      |  |
| 3  | 990723 | Bearing 6205                |  |
| 4  | 990730 | Oil seal, crankshaft        |  |
| 5  | 990633 | Crankcase                   |  |
| 6  |        | Regulating sway bar         |  |
| 7  |        | Washer                      |  |
| 8  |        | Split pin                   |  |
| 9  |        | Nut M10                     |  |
| 10 | 990690 | Oil sensor                  |  |
| 11 |        | Bolt M6×14                  |  |
| 12 |        | Regulating shaft            |  |
| 13 |        | Washer, driven gear         |  |
| 14 |        | Pin                         |  |
| 15 |        | Driven gear, regulator      |  |
| 16 |        | Flying block                |  |
| 17 | 990710 | Driven gear assy, regulator |  |
| 18 |        | Snap ring                   |  |
| 19 |        | Washer                      |  |
| 20 |        | Sliding sleeve              |  |

**E-2 CRANKCASE COVER ASSY.**

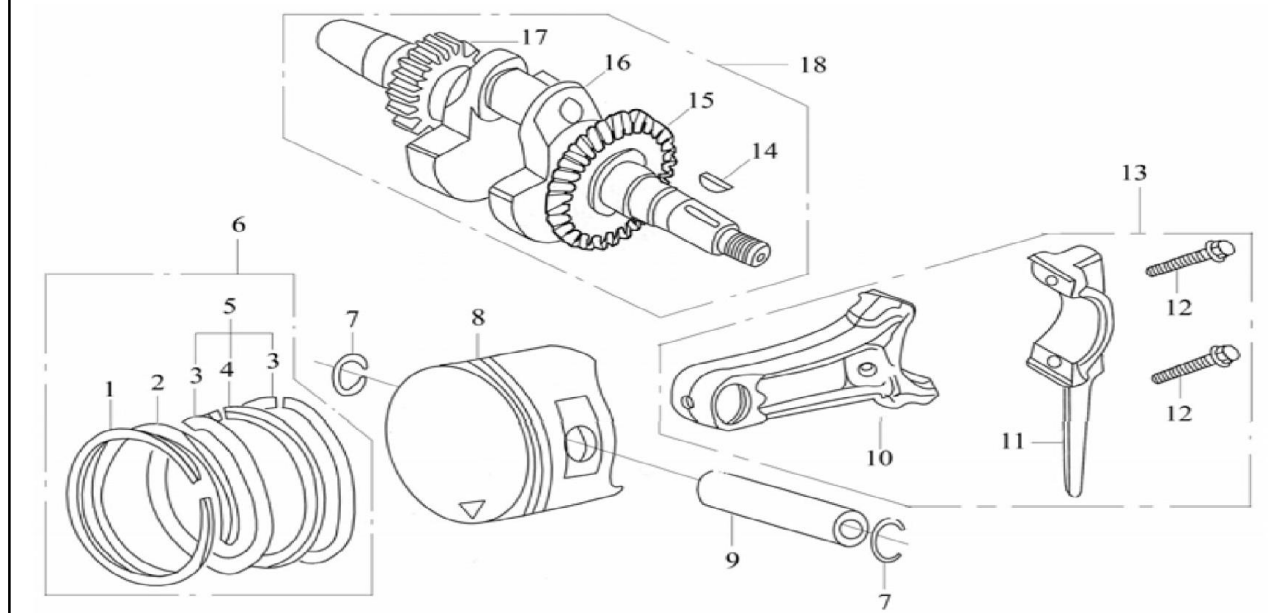
|    |        |                      |  |
|----|--------|----------------------|--|
| 1  | 990776 | Oil plug with Seal   |  |
| 2  |        | Oil plug             |  |
| 3  |        | Seal                 |  |
| 4  | 990651 | Crankcase cover      |  |
| 5  | 990723 | Bearing 6205         |  |
| 6  | 990701 | Gasket, crankcase    |  |
| 7  |        | Set pin              |  |
| 8  |        | Dipstick             |  |
| 9  | 990770 | Dipstick with seal   |  |
| 10 | 990732 | Oil seal, crankshaft |  |
| 11 |        | Bolt M8×32           |  |

## E-3 CYLINDER HEAD & CYLINDER HEAD COVER ASSY



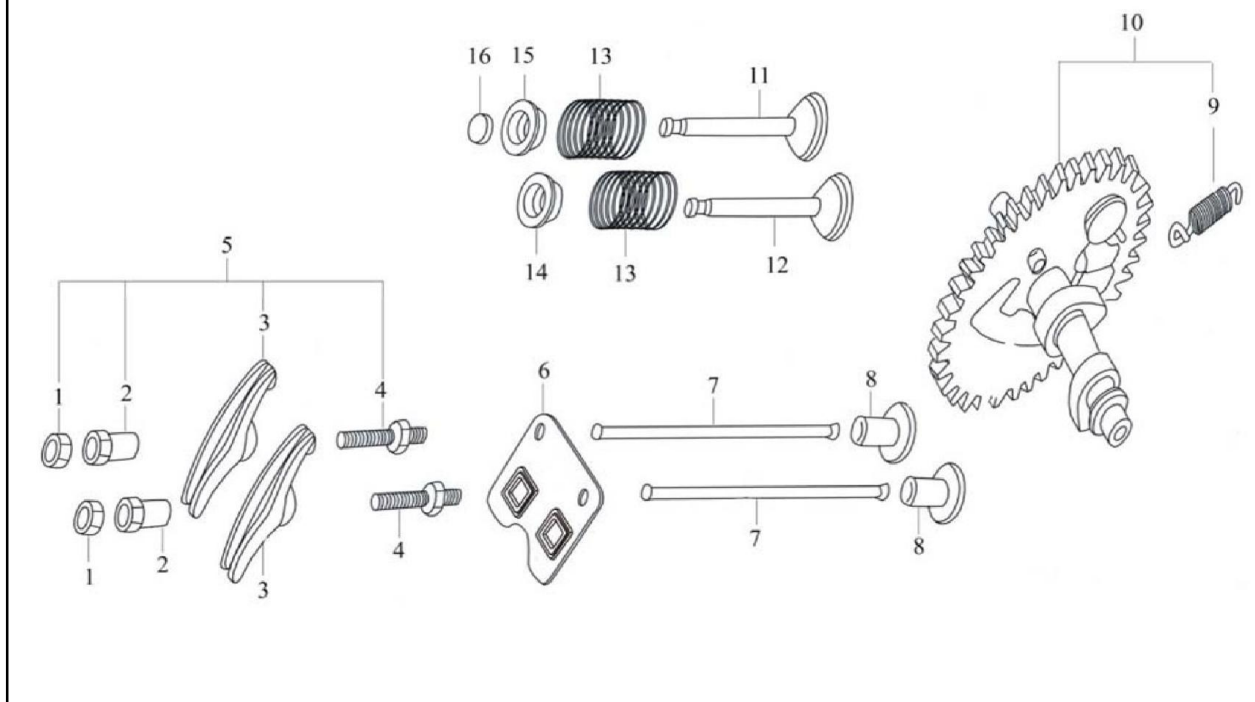
|    |        |                             |  |
|----|--------|-----------------------------|--|
| 1  |        | Bolt M6×12                  |  |
| 2  |        | Air duck                    |  |
| 3  |        | Intake valve guide          |  |
| 4  |        | Lead wind cover             |  |
| 5  |        | Stud M6×109                 |  |
| 6  | 990380 | Set pinφ10×16               |  |
| 7  | 990371 | Gasket, cylinder head       |  |
| 8  | 990431 | Cylinder head Assy          |  |
| 9  | 990410 | Stud M8×34                  |  |
| 10 | 990420 | Spark plug F6TC             |  |
| 11 | 990390 | Exhaust valve guide         |  |
| 12 |        | Circlip                     |  |
| 13 |        | Bolt                        |  |
| 14 | 990360 | Gasket, cylinder head cover |  |
| 15 | 990350 | Cylinder head cover Assy    |  |

## E-4 CRANKSHAFT, PISTON & CONNECTING



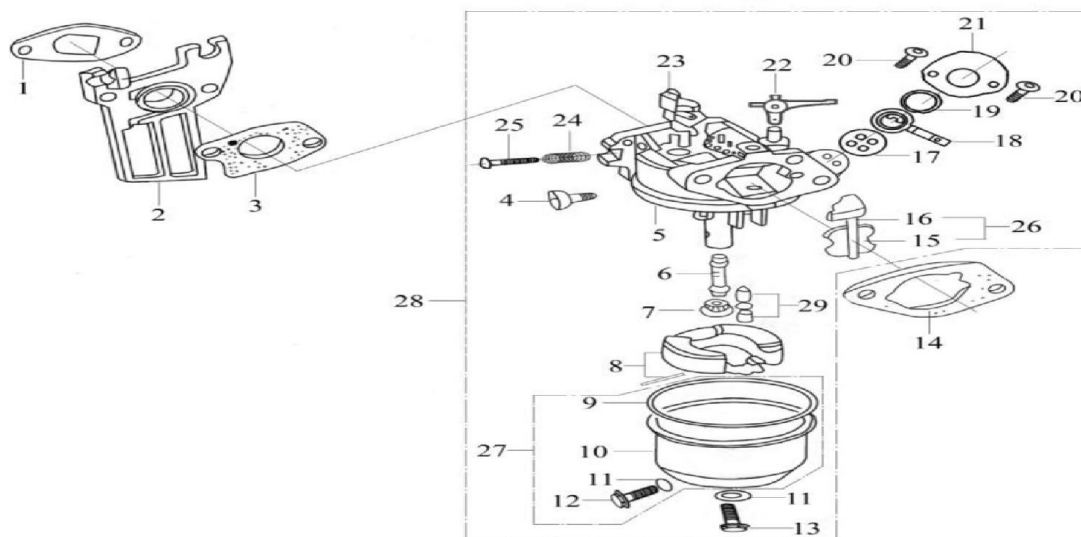
|    |        |                      |  |
|----|--------|----------------------|--|
| 1  |        | Piston ring ( I )    |  |
| 2  |        | Piston ring ( II )   |  |
| 3  |        | Side rail            |  |
| 4  |        | Expander             |  |
| 5  |        | Scraper ring set     |  |
| 6  | 990552 | Piston ring assy     |  |
| 7  | 990561 | Piston pin circlip   |  |
| 8  | 990572 | Piston               |  |
| 9  | 990581 | Piston pin           |  |
| 10 |        | Shank                |  |
| 11 |        | Connecting rod cover |  |
| 12 |        | Bolt                 |  |
| 13 | 990591 | Connecting rod assy  |  |
| 14 |        | Woodruff key         |  |
| 15 |        | Drive gear           |  |
| 16 | 990601 | Crankshaft           |  |
| 17 |        | Timing driving gear  |  |
| 18 |        | Crankshaft assy      |  |

## E-5 COMBINATION OF CAM SHAFT & VALVE ROCKER

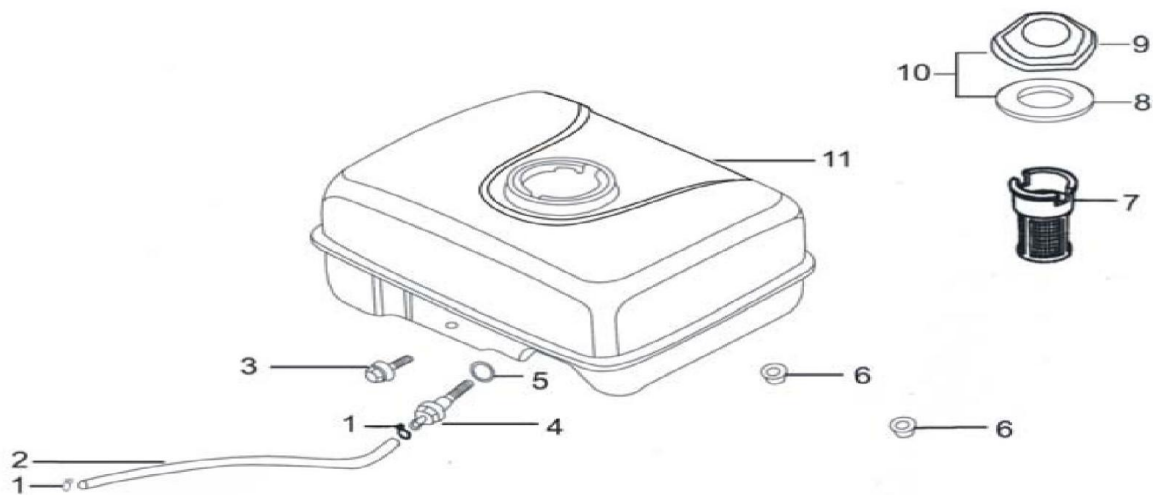


|    |        |                              |  |
|----|--------|------------------------------|--|
| 1  |        | Lock nut                     |  |
| 2  |        | Sleeve                       |  |
| 3  |        | Valve rocker                 |  |
| 4  |        | Adjusting bolt for valve gap |  |
| 5  | 990440 | Valve rocker assy            |  |
| 6  | 990451 | Pusher guide                 |  |
| 7  | 990461 | Pusher                       |  |
| 8  | 990471 | Tappet                       |  |
| 9  |        | Extension spring             |  |
| 10 | 990481 | Camshaft Assy                |  |
| 11 | 990491 | Exhaust valve                |  |
| 12 | 990501 | Intake valve                 |  |
| 13 | 990511 | Valve s p r i n g            |  |
| 14 | 990521 | Spring seat, intake valve    |  |
| 15 | 990531 | Spring seat, exhaust valve   |  |
| 16 | 990540 | Cap                          |  |



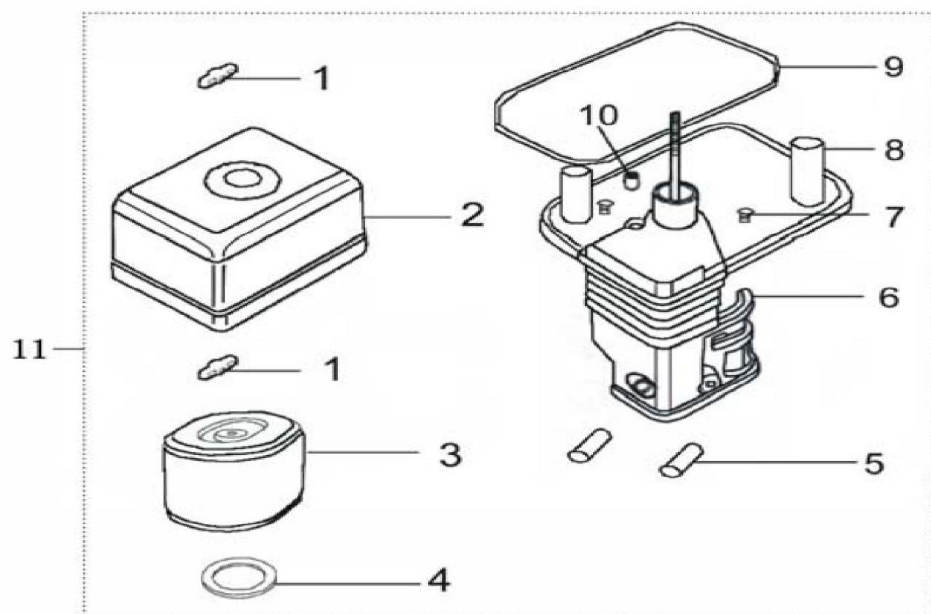
**E-6 CARBURETOR ASSY**

|    |        |                                  |  |
|----|--------|----------------------------------|--|
| 21 |        | Cover                            |  |
| 22 | 990290 | Choke switch                     |  |
| 23 |        | Throttle unit                    |  |
| 24 |        | Spring, mixture adjustment screw |  |
| 25 |        | Mixture adjustment screw         |  |
| 26 |        | Choke unit                       |  |
| 27 |        | Float chamber                    |  |
| 28 | 990301 | Carburettor Assy                 |  |
| 29 |        | Float needle                     |  |

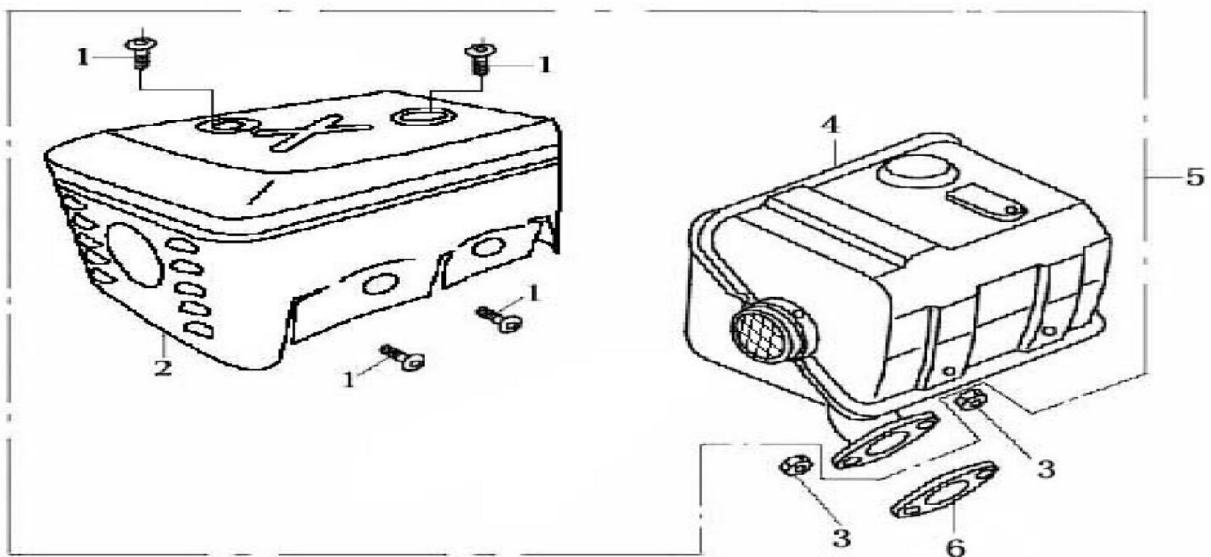
**E-7 FUEL TANK ASSY**

|    |        |                                   |  |
|----|--------|-----------------------------------|--|
| 1  |        | Pipe clamp                        |  |
| 2  |        | Outlet pipe                       |  |
| 3  |        | Bolt M6×22                        |  |
| 4  | 990020 | Connector                         |  |
| 5  |        | Packing ring                      |  |
| 6  |        | Nut M6                            |  |
| 7  |        | Filter cup                        |  |
| 8  |        | Packing ring                      |  |
| 9  |        | Fuel filler cap                   |  |
| 10 | 990010 | Fuel filler cap with packing ring |  |
| 11 | 990002 | Fuel tank                         |  |



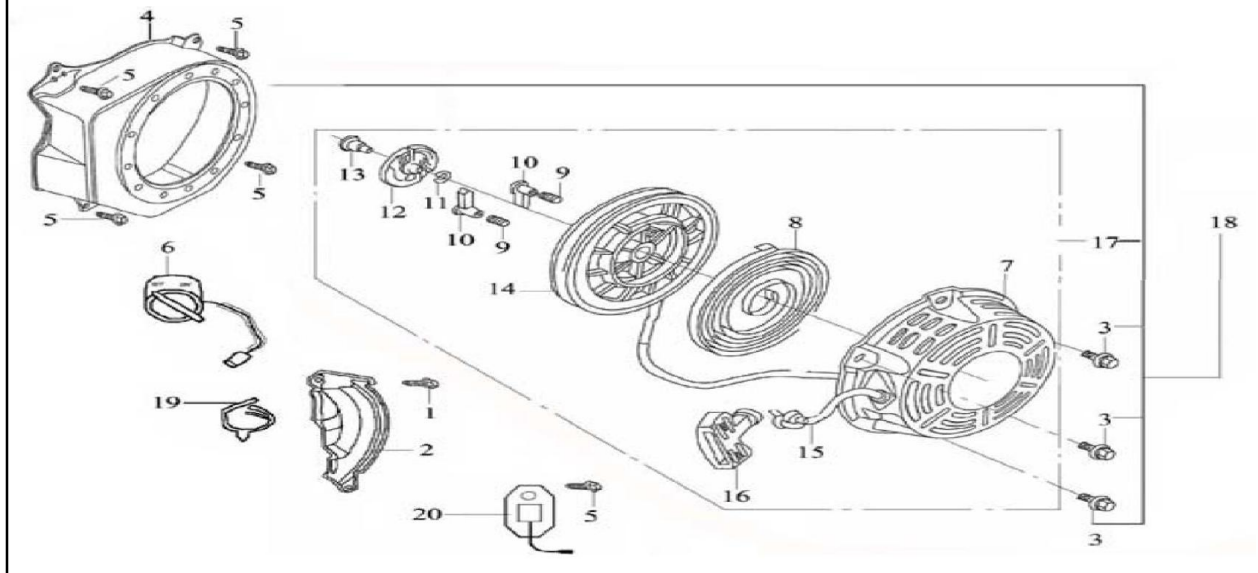
**E-8 AIR CLEANER ASSY**

|    |        |                     |  |
|----|--------|---------------------|--|
| 1  | 990030 | Wing nut            |  |
| 2  |        | Air cleaner cover   |  |
| 3  | 990041 | Filter element      |  |
| 4  |        | Washer              |  |
| 5  |        | Sleeve A            |  |
| 6  |        | Air cleaner housing |  |
| 7  |        | Screw M5x12         |  |
| 8  |        | Air cleaner base    |  |
| 9  |        | Gasket              |  |
| 10 |        | Sleeve B            |  |
| 11 | 990051 | Air cleaner assy    |  |

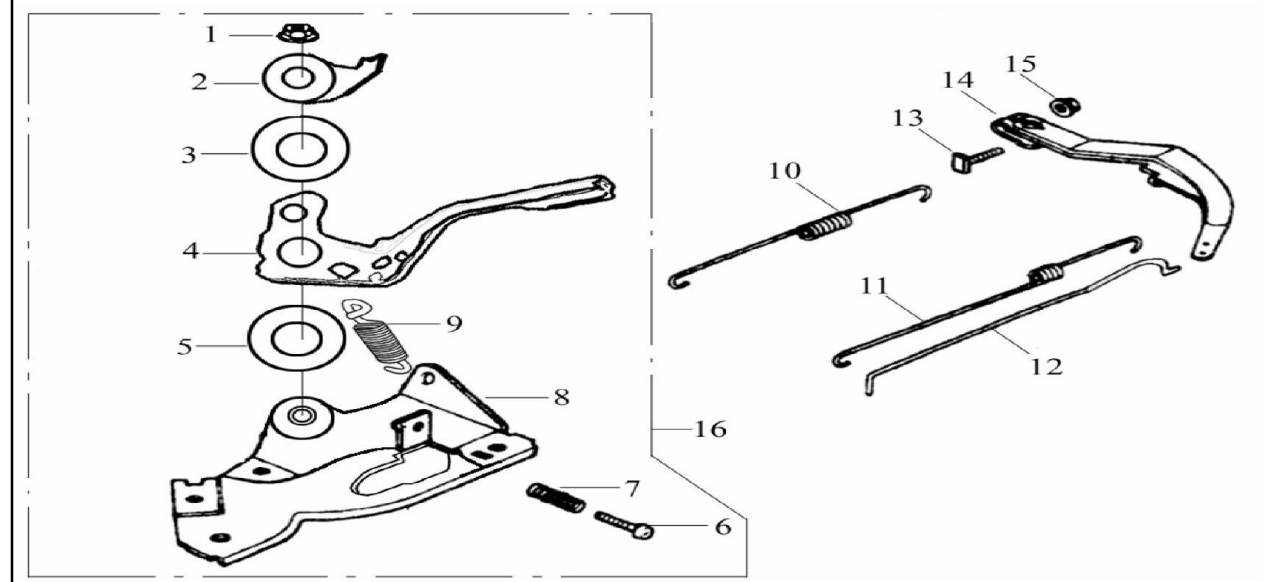
**E-9 MUFFLER**

|   |        |                 |  |
|---|--------|-----------------|--|
| 1 |        | Screw M5×8      |  |
| 2 |        | Muffler hood    |  |
| 3 |        | Nut M8          |  |
| 4 |        | Muffler         |  |
| 5 | 990081 | Exhaust muffler |  |
| 6 | 990060 | Exhaust gasket  |  |

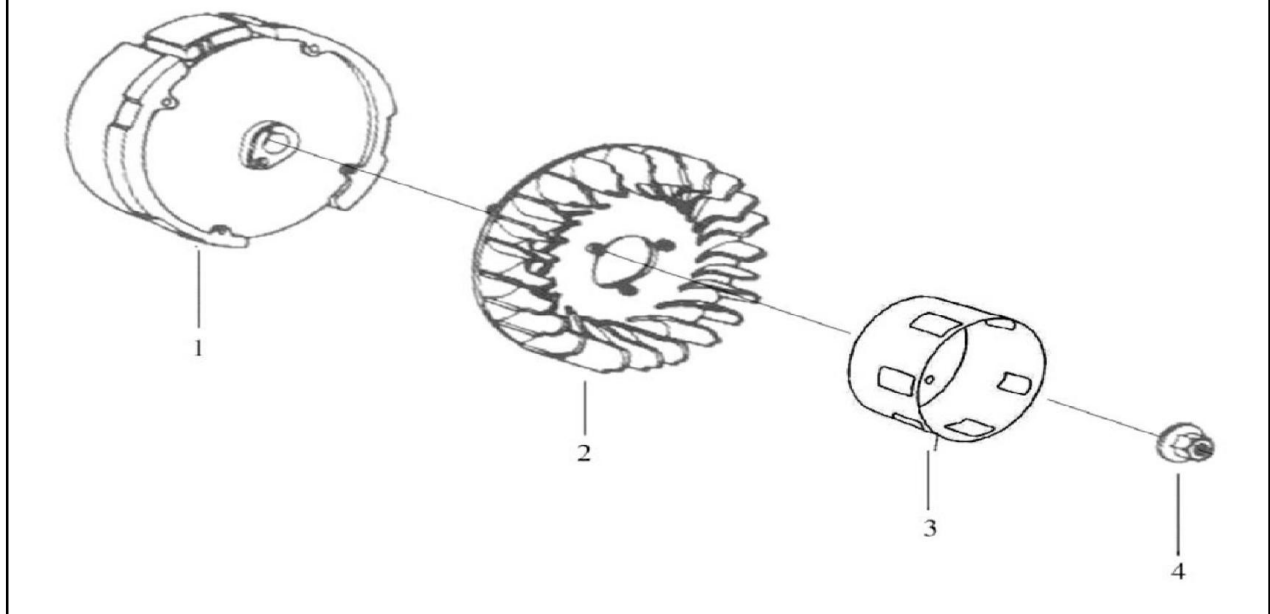
## E-10 RECOIL STARTER



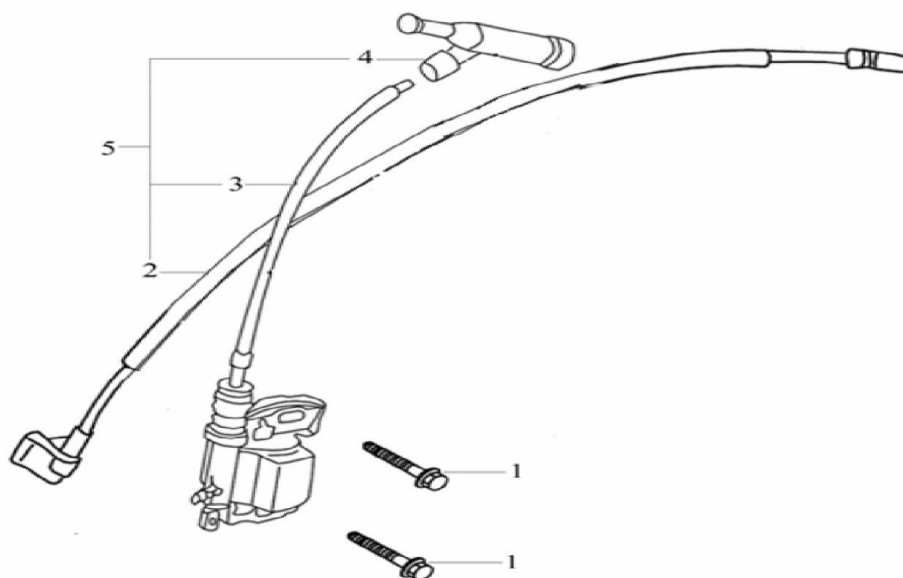
|    |        |                           |  |
|----|--------|---------------------------|--|
| 1  |        | Bolt M6×22                |  |
| 2  |        | Crankcase side plate assy |  |
| 3  | 990101 | Bolt M6×18                |  |
| 4  |        | Fan hood assy             |  |
| 5  | 990102 | Bolt M6×12                |  |
| 6  | 990110 | Engine switch             |  |
| 7  |        | Casing                    |  |
| 8  | 990120 | Spiral spring             |  |
| 9  | 990121 | Ratchet spring            |  |
| 10 | 990125 | Ratchet                   |  |
| 11 | 990122 | Friction spring           |  |
| 12 | 990126 | Spring lid                |  |
| 13 | 990103 | Set screw                 |  |
| 14 | 990130 | Starter rolls             |  |
| 15 |        | Rope                      |  |
| 16 | 990108 | Pulling handle            |  |
| 17 | 990140 | Recoil starter            |  |
| 18 | 990151 | Recoil starter assy       |  |
| 19 |        | Plastic clip              |  |
| 20 | 990680 | Diode                     |  |

**E-11 REGULATING CONTROLS SYSTEM**

|    |        |                        |  |
|----|--------|------------------------|--|
| 1  |        | Nut M6                 |  |
| 2  |        | Setting panel          |  |
| 3  |        | Spring patch           |  |
| 4  |        | Handgrip               |  |
| 5  |        | Washer                 |  |
| 6  |        | Bolt M5x25             |  |
| 7  |        | Regulating spring      |  |
| 8  |        | Support panel assy     |  |
| 9  |        | Spring                 |  |
| 10 | 990161 | Back spring            |  |
| 11 | 990170 | Fine regulating spring |  |
| 12 | 990181 | Pulling rod            |  |
| 13 |        | Lock bolt              |  |
| 14 |        | Regulating arm         |  |
| 15 |        | Nut M6                 |  |
| 16 | 990191 | Regulating frame assy  |  |

**E-12 FLYWHEEL**

|   |        |                 |  |
|---|--------|-----------------|--|
| 1 | 990230 | Flywheel        |  |
| 2 | 990221 | Flywheel fan    |  |
| 3 | 990211 | Starting flange |  |
| 4 | 990201 | Flywheel Nut    |  |

**E-13 IGNITION COIL**

|   |        |                    |  |
|---|--------|--------------------|--|
| 1 |        | Screw M6x22        |  |
| 2 |        | Engine stop cable  |  |
| 3 |        | Ignition coil      |  |
| 4 |        | Spark plug cap     |  |
| 5 | 990670 | Ignition coil assy |  |