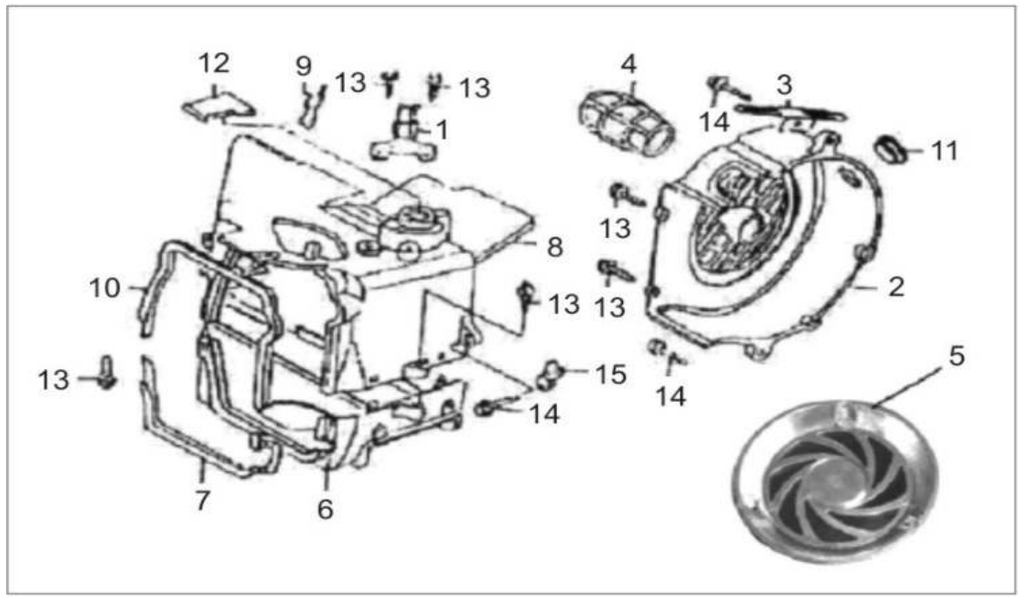
TNG 150cc ZT

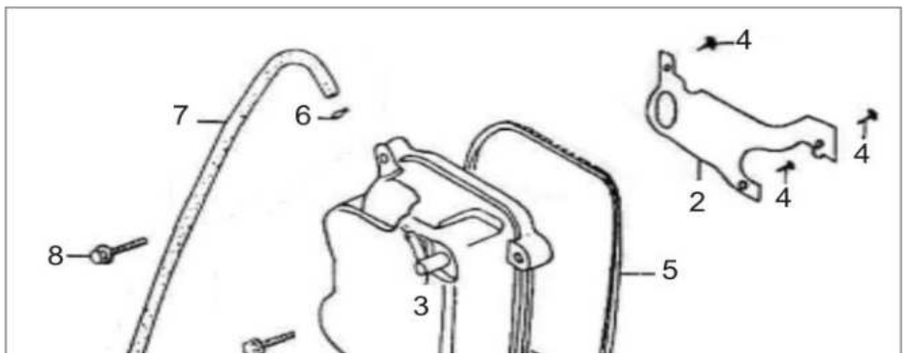
## E01 FAN COVER ASSY

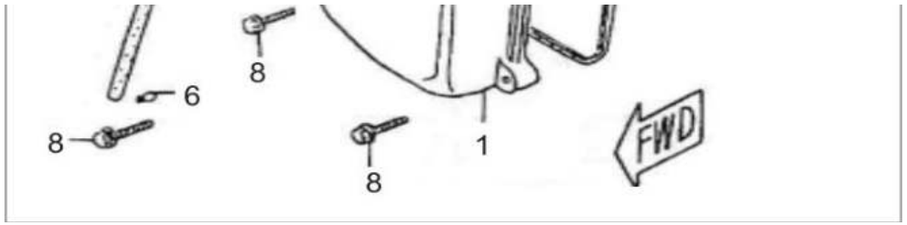
| | | | | |
|---|---|---|---|---|
| 1 | | BN0061-1 | Clip | 1 |
| 2 | 150ZT-E01.02 | BN0064 | Fan Cover | 1 |
| 3 | | BN0061-2 | Bracket | 1 |
| 4 | 150ZT-E01.04 | BN0064-4 | Carburetor Cooling Duct | 1 |
| 5 | 150ZT-E01.05 | BN0064-3 | Decorative Cover | 1 |
| 6 | 150ZT-E01.06 | BN0063-2 | Lower Cover | 1 |
| 7 | 150ZT-E01.07 | BN0063-3 | Lower Seal | 1 |
| 8 | 150ZT-E01.08 | BN0062-1 | Upper Cover | 1 |
| 9 | | BN0061-3 | Clip | 1 |
| 10 | 150ZT-E01.10 | BN0062-2 | Upper Seal | 1 |
| 11 | 150ZT-E01.11 | BN0064 | Grommet | 1 |
| 12 | 150ZT-E01.12 | BN0062-3 | Grommet | 1 |
| 13 | | GB845-85 | Screw ST4.8×13 | 6 |
| 14 | | GB5787-86 | Flange Bolt M6×25 | 3 |
| 15 | 150ZT-E01.15 | BN0061-4 | Tube Clamp | 1 |




## E02 CYLINDER HEAD COVER ASSY

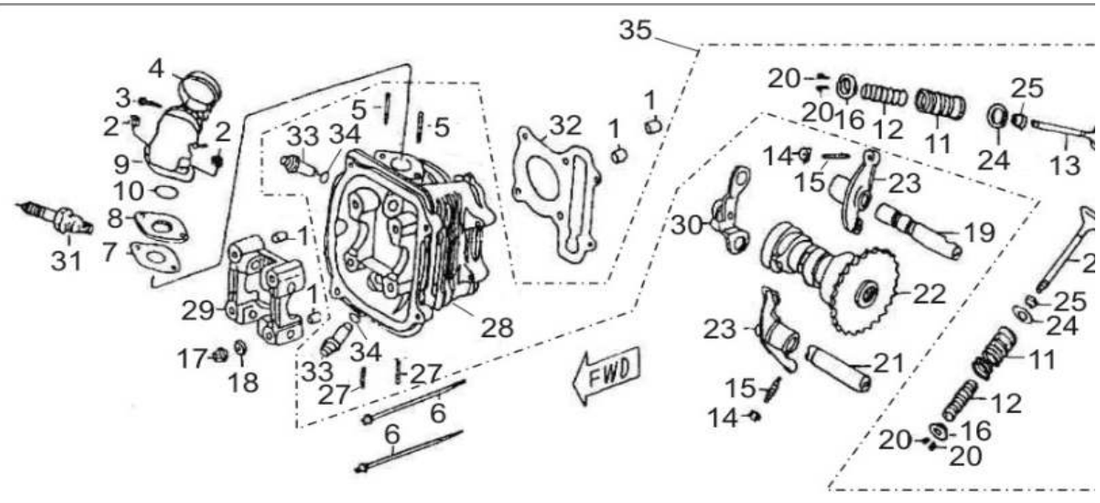
| | | | | |
|---|---|---|---|---|
| 1 | 150ZT-E02.01 | BN0058-1 | Cylinder Head Cover | 1 |
| 2 | 150ZT-E02.02 | BN0058-2 | Pressure Plate | 1 |
| 3 | 150ZT-E02.03 | BN0058-3 | Breather Tube | 1 |
| 4 | | BN0058-4 | Screw ST4.2x8 | 3 |
| 5 | 150ZT-E02.05 | BN0031 | Gasket, Head Cover | 1 |
| 6 | | BN0078-1 | Pipe clip | 2 |
| 7 | | BN0078-2 | Air Tube | 1 |
| 8 | | BN0078-4 | Bolt M6×25 | 4 |






## E03 CYLINDER HEAD ASSY

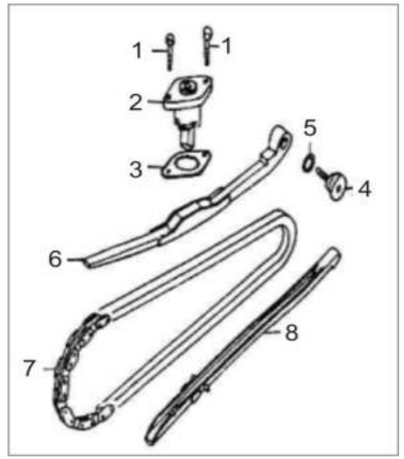
| | | | | |
|---|---|---|---|---|
| 1 | | BN0030-1 | Dowel Pin | 4 |
| 2 | | GB6177-86 | Hex Nut M6 | 2 |
| 3 | | GB818-85 | Flange Bolt M4×25 | 1 |
| 4 | | BN0077-1 | Clamp | 1 |
| 5 | | GB901-86 | Stud M6×60 | 2 |
| 6 | | GB5787-86 | Hex Flange Screw | 2 |
| 7 | 150ZT-E03.07 | BN0069 | Gasket, Carburetor | 1 |
| 8 | 150ZT-E03.08 | BN0079 | Insulator Gasket | 1 |
| 9 | 150ZT-E03.09 | BN0077-2 | Intake Pipe | 1 |
| 10 | | BN0077-3 | O-Ring 27×2.0 | 1 |
| 11 | | BN0052-1 | Valve Spring, Outer | 2 |
| 12 | | BN0052-2 | Valve Spring, Inner | 2 |
| 13 | | BN0017-3 | Intake Valve | 1 |
| 14 | 150ZT-E03.14 | BN0024-2 | Valve Adjusting Nut | 2 |
| 15 | 150ZT-E03.15 | BN0024-3 | Valve Adjusting Screw | 2 |
| 16 | | BN0019 | Retainer, Valve Spring | 2 |
| 17 | | GB6177-86 | Nut M8 | 4 |
| 18 | | GB97.2-85 | Washer 8 | 4 |
| 19 | 150ZT-E03.19 | BN0024-1 | Shaft, Rocker Arm, Intake | 1 |
| 20 | | BN0019 | Valve Retainer | 4 |
| 21 | 150ZT-E03.21 | BN0024-4 | Shaft, Rocker Arm, Exhaust | 1 |
| 22 | 150ZT-E03.22 | BN0021 | Camshaft | 1 |
| 23 | 150ZT-E03.23 | BN0024-5 | Rocker Arm | 2 |
| 24 | | BN0040-3 | Retainer, Valve Spring | 1 |
| 25 | | BN0038 | Seal, Valve | 1 |
| 26 | | BN0018-3 | Exhaust Valve | 1 |



| | | | | |
|---|---|---|---|---|
| 27 | | GB901-86 | Stud M8×32 | 2 |
| 28 | | BN0040-3 | Cylinder Head | 1 |
| 29 | 150ZT-E03.29 | BN0024-5 | Holder, Camshaft | 1 |
| 30 | 150ZT-E03.30 | BN0024-6 | Retainer | 1 |
| 31 | 150ZT-E03.31 | BN0032 | Spark Plug | 1 |
| 32 | 150ZT-E03.32 | BN0076-3 | Cylinder Head Gasket | 1 |
| 33 | | | Valve Guide | 2 |
| 34 | | | Seal, Valve Guide | 2 |
| 35 | 150ZT-E03.35 | | Cylinder Head Assy | 1 |

## E04 TIMING CHAIN ASSY

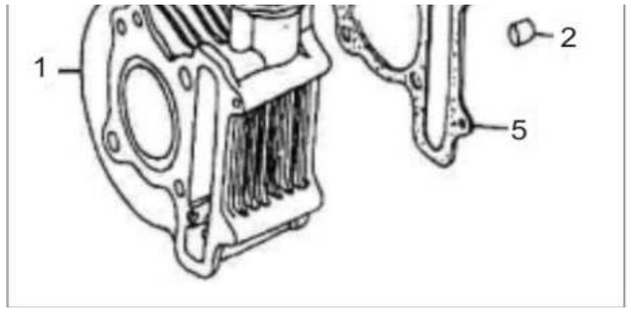
| | | | | |
|---|---|---|---|---|
| 1 | | GB5787-86 | Bolt M6x20 | 2 |
| 2 | 150ZT-E04.02 | BN0025 | Tensioner B ody | 1 |
| 3 | 150ZT-E04.03 | BN0068 | Gasket | 1 |
| 4 | 150ZT-E04.04 | BN0060-1 | Cam Chain Tensioner Axle | 1 |
| 5 | 125T-E04.09 | BN0029 | O-Ring 15.2x1.5 | 1 |
| 6 | 150ZT-E04.06 | BN0041 | Timing Chain Tensioner | 1 |
| 7 | 150ZT-E04.07 | BN0051 | Timing Chain | 1 |
| 8 | 150ZT-E04.08 | BN0042 | Cam Chain Guide | 1 |




## E05 CYLINDER ASSY

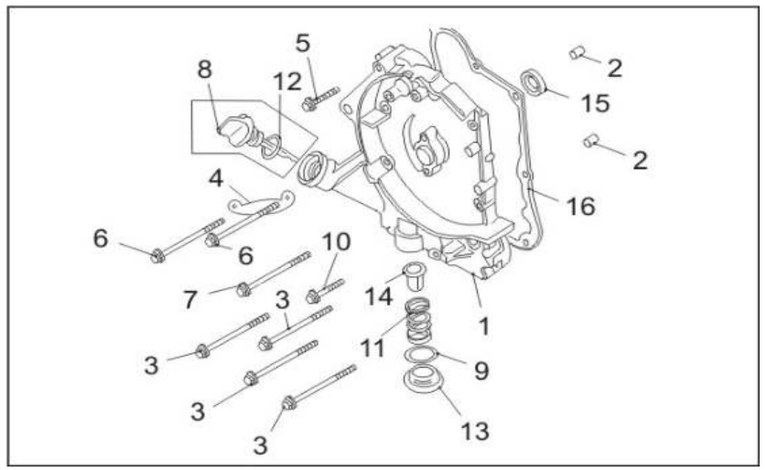
| | | | | |
|---|---|---|---|---|
| 1 | 150ZT-E05.01 | BN0039-3 | Cylinder | 1 |
| 2 | | BN0030-2 | Pin, Dowel, 10x16 | 2 |
| 3 | | GB5787-86 | Bolt M6x12 | 1 |
| 4 | | GB95-85 | Washer 6 | 1 |
| 5 | 150ZT-E05.05 | BN0067 | Cylinder Gasket | 1 |





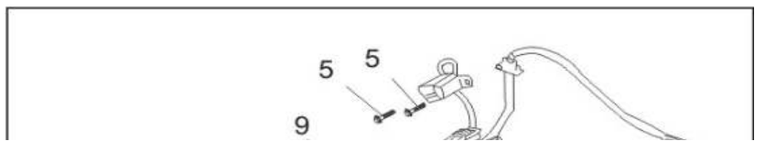

## E06 RIGHT CRANKCASE COVER ASSY

| | | | | |
|---|---|---|---|---|
| 1 | | BN0057 | Right Crankcase Cover | 1 |
| 2 | | BN0030 | Dowel pin | 2 |
| 3 | 150ZT-E06.03 | BN0060-8 | Bolt M6×95 | 4 |
| 4 | 150ZT-E06.04 | BN0061 | Magneto Clamp | 1 |
| 5 | | GB5787-86 | Bolt M6×40 | 1 |
| 6 | | GB5787-86 | Bolt M6×110 | 2 |
| 7 | | GB5787-86 | Bolt M6×100 | 1 |
| 8 | | BN0081 | Dipstick Assembly | 1 |
| 9 | | BN0026 | O-Ring 30.8x3.1 | 1 |
| 10 | | GB5787-86 | Bolt M6×32 | 1 |
| 11 | | BN0053 | Oil Filter Spring | 1 |
| 12 | | BN0027 | O-Ring18×3 | 1 |
| 13 | | BN0023 | Oil Filter Plug | 1 |
| 14 | | BN0082 | Oil Filter | 1 |
| 15 | | BN0037 | Oil Seal19.8×30×5 | 1 |
| 16 | 150ZT-E06.16 | BN0071 | Crankcase Cover Gasket | 1 |

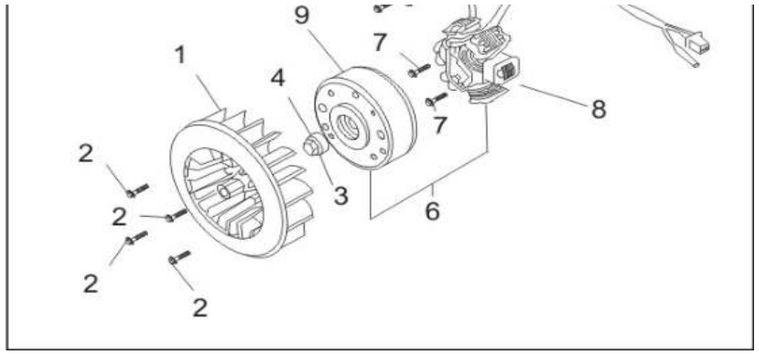



## E07 COOLING FAN

| | | | | |
|---|---|---|---|---|
| 1 | 150ZT-E07.01 | BN0065 | Fan | 1 |
| 2 | | GB5787-86 | Flange Bolt M6×18 | 4 |
| 3 | | BN0060 | Flange Nut M12 | 1 |
| 4 | | BN0030 | Washer 24×12.2×2.5 | 1 |

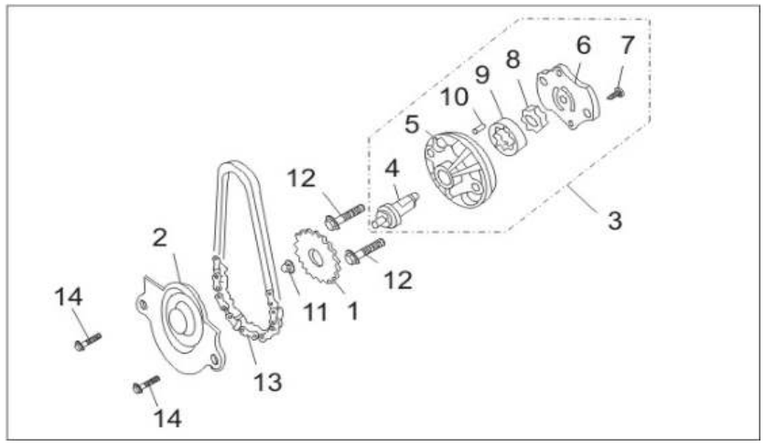


| | | | | |
|---|---|---|---|---|
| 5 | | GB5787-86 | Flange Bolt M5x12 | 2 |
| 6 | 150ZT-E07.06 | BN0005 | Stator/Generator | 1 |
| 7 | | GB5787-86 | Flange Bolt M6x12 | 2 |
| 8 | | BN0005-1 | Stator | 1 |
| 9 | | BN0005-2 | Flywheel | 1 |



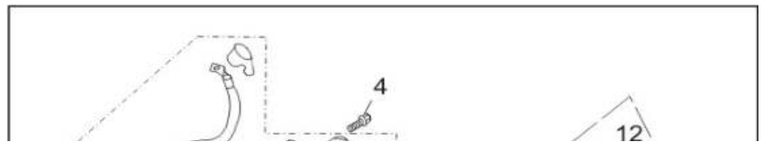

## E08 OIL PUMP

| | | | | |
|---|---|---|---|---|
| 1 | 150ZT-E08.01 | BN0074 | Oil Pump Sprocket | 1 |
| 2 | | BN0061-7 | Engine Oil Spacer | 1 |
| 3 | 150ZT-E08.03 | BN0022-3-1 | Oil Pump Assy | 1 |
| 4 | | BN0022-3-2 | Pump Shaft | 1 |
| 5 | | BN0023 | Pump Body | 1 |
| 6 | | BN0022-3-3 | Pump Flange | 1 |
| 7 | | GB818-85 | Screw M3x10 | 1 |
| 8 | | BN0022-3-4 | Inner Rotor | 1 |
| 9 | | BN0022-3-5 | Outer Roter | 1 |
| 10 | | GB119-86 | Positioning Pin 4×8 | 1 |
| 11 | | GB6117-86 | Nut M6 | 2 |
| 12 | | GB5787-86 | Flange Bolt M6×25 | 2 |
| 13 | 150ZT-E08.13 | BN0075 | Oil Pump Chain | 1 |
| 14 | | GB5787-86 | Flange Bolt M6×12 | 2 |

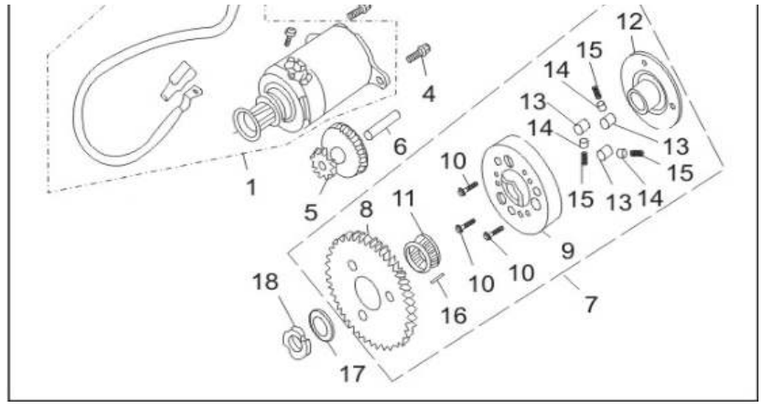



## E9 STARTER ASSY

| | | | | |
|---|---|---|---|---|
| 1 | 150ZT-E09.01 | BN0006-1 | Starter Motor | 1 |
| 4 | | GB5787-86 | Flange Bolt M6×16 | 2 |
| 5 | 150ZT-E09.05 | BN0080 | Idler Gear | 1 |
| 6 | 150ZT-E09.06 | BN0030-14 | Idler Gear Shaft | 1 |

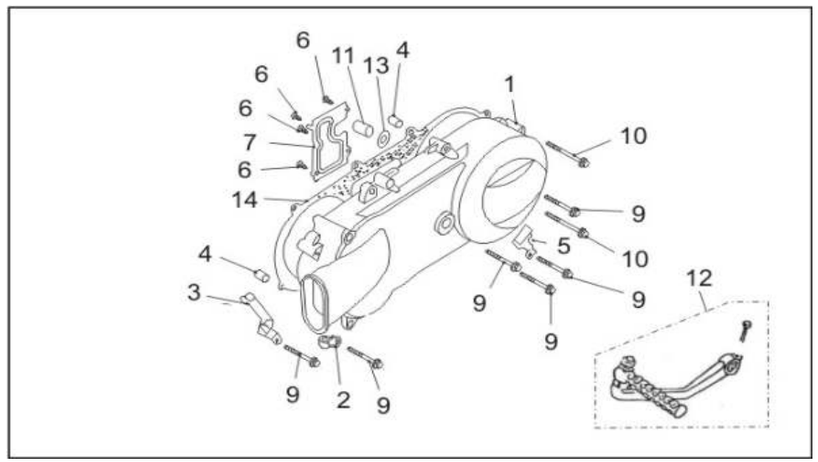


| | | | | |
|---|---|---|---|---|
| 7 | 150ZT-E09.07 | BN0004-1 | Starter Clutch Assy | 1 |
| 8 | | BN0004-2 | Clutch Gear | 1 |
| 9 | | BN0004-3 | Starter Clutch Cover | 1 |
| 10 | | GB70-85 | Socket Head Bolt M6×12 | 3 |
| 11 | 150ZT-E09.11 | BN0004-4 | Needle Bearing | 1 |
| 12 | | BN0004-5 | Inner Casing, Starter Clutch | 1 |
| 13 | | BN0004-6 | Roller | 3 |
| 14 | | BN0004-7 | Spring Pin | 3 |
| 15 | | BN0004-8 | Spring | 3 |
| 16 | | BN0004-9 | Positioning Pin | 1 |
| 17 | | BN0030-15 | Washer 22.2×31×2.5 | 1 |
| 18 | | GB6170-86 | Lock Nut M22 | 1 |




## E10 LEFT CRANKCASE COVER ASSY

| | | | | |
|---|---|---|---|---|
| 1 | 150ZT-E10.01 | BN0033 | Cover Housing | 1 |
| 2 | | BN0061-1 | Pipe Clip | 1 |
| 3 | | BN0061-2 | Bracket | 1 |
| 4 | | BN0030 | Dowel Pin | 2 |
| 5 | | BN0061 | Brake Lead Clip | 1 |
| 6 | | GB845-85 | Screw ST4.2x8 | 4 |
| 7 | 150ZT-E10.07 | BN0061-3 | Cover Plate | 1 |
| 9 | | BN0060-3 | Flange Bolt M6×40 | 6 |
| 10 | | BN0060-4 | Flange Bolt M6×65 | 2 |
| 11 | | BN0030-1 | Cover | 1 |
| 12 | 150ZT-E10.11 | BN0050 | Kick Starter Arm Assy | 1 |
| 13 | | BN0030-2 | Washer | 1 |
| 14 | 150ZT-E10.13 | BN0066 | Left Crankcase Cover Gasket | 1 |

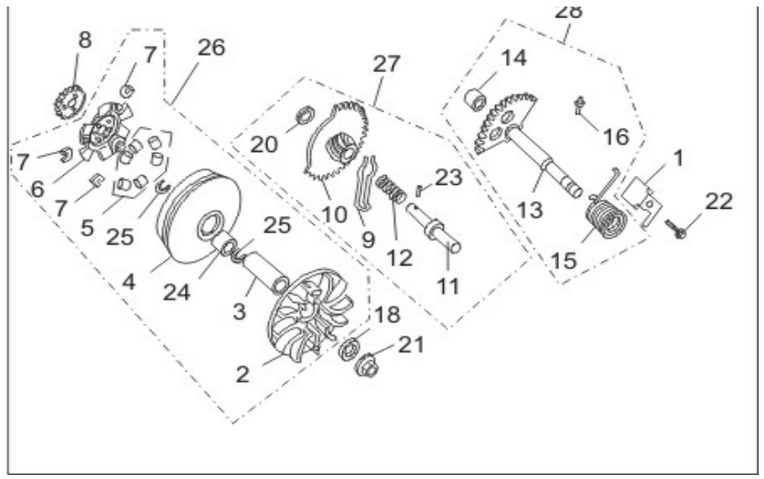



## E11 DRIVE PULLEY AND KICK STARTER

| | | | | |
|---|---|---|---|---|
| 1 | | BN0061 | Stopper | 1 |
| 2 | | BN0002-7 | Fan | 1 |

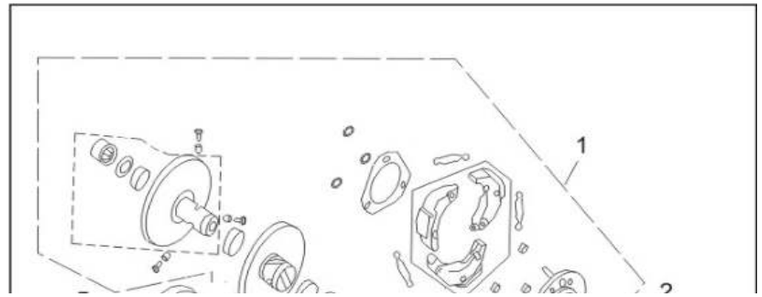


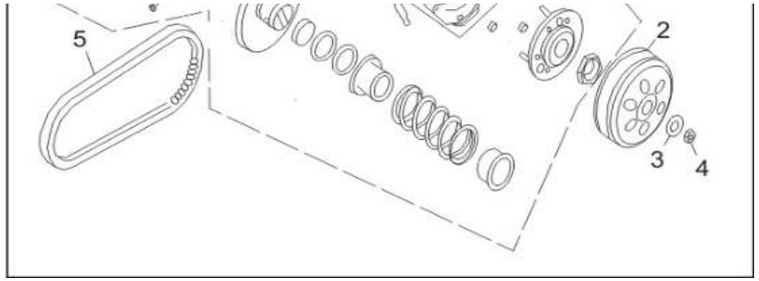
| | | | | |
|---|---|---|---|---|
| 3 | | BN0002-8 | Drive Fan Sleeve | 1 |
| 4 | | BN0002-6 | Front Pulley | 1 |
| 5 | 150ZT-E11.05 | BN0002-3 | Roller (Set of 6) | 1 |
| 6 | | BN0002-1 | Roller Plate | 1 |
| 7 | | BN0002-4 | Roller Plate Bushing | 3 |
| 8 | 150ZT-E11.08 | BN0043 | Kick Starter Driven Gear | 1 |
| 9 | | BN0048-4 | Clip Spring | 1 |
| 10 | 150ZT-E11.10 | BN0048-2 | Kick Starter Idle Gear | 1 |
| 11 | 150ZT-E11.11 | BN0048-1 | Kick Starter Idle Gear Shaft | 1 |
| 12 | 150ZT-E11.12 | BN0048-3 | Spring | 1 |
| 13 | 150ZT-E11.13 | BN0049-2 | Kick Starter Driven Gear w/Shaft | 1 |
| 15 | 150ZT-E11.14 | BN0049-1 | Bushing | 1 |
| 16 | 150ZT-E11.15 | BN0049 | Spring | 1 |
| 17 | 150ZT-E11.16 | BN0049 | Pin 4.5mm | 1 |
| 18 | | BN0030 | Washer 12.2×24×2.5 | 2 |
| 20 | | BN0030 | Washer 12.5 | 1 |
| 21 | | GB6181-86 | Nut M12 | 2 |
| 22 | | GB5787-86 | Flange Bolt M6×14 | 1 |
| 23 | | GB119-86 | Pin 3x8 | 1 |
| 24 | | BN0002-5 | Spacer | 1 |
| 25 | | BN0002-2 | Circlip 28mm | 2 |
| 26 | 150ZT-E11.26 | | Variator Assy | 1 |
| 27 | 150ZT-E11.27 | | Kick Starter Idler Gear and Shaft | 1 |
| 28 | 150ZT-E11.28 | | Kick Starter Driven Gear Assy | 1 |




## E12 DRIVEN PULLEY

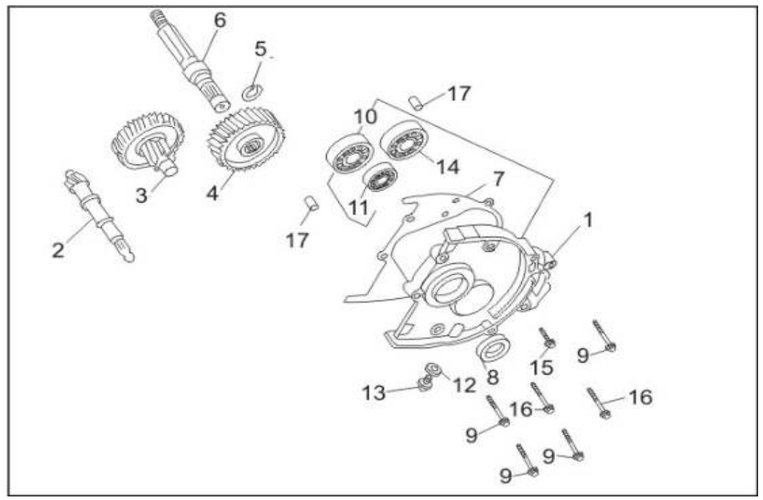
| | | | | |
|---|---|---|---|---|
| 1 | 150ZT-E12.01 | BN0003-2 | Driven Pulley Assy. | 1 |
| 2 | 150ZT-E12.02 | BN0003-1 | Clutch Head | 1 |
| 3 | | BN0030 | Washer 12.2×24×2.5 | 1 |
| 4 | | GB6181-86 | Nut M12 | 2 |
| 5 | 150ZT-E12.05 | BN0016 | V-Belt | 1 |






## E13 TRANSMISSION

| | | | | |
|---|---|---|---|---|
| 1 | 150ZT-E13.01 | BN0059-1 | Cover Assy | 1 |
| 2 | 150ZT-E13.02 | BN0044 | Clutch Shaft | 1 |
| 3 | 150ZT-E13.03 | BN0045 | Intermediate Gear | 1 |
| 4 | 150ZT-E13.04 | BN0046 | Main Shaft Gear | 1 |
| 5 | 125T-E13.13 | BN0072 | Circlip | 1 |
| 6 | 150ZT-E13.06 | BN0045-2 | Main Shaft | 1 |
| 7 | 150ZT-E13.07 | BN0045-3 | Cover Gasket | 1 |
| 8 | 125T-E13.11 | BN0059-2 | Oil Seal 20x32x6 | 1 |
| 9 | | GB5787-86 | Bolt M6×28 | 4 |
| 10 | 125T-E13.16 | GB292-83 | Bearing 6204 | 1 |
| 11 | 125T-E13.14 | GB292-83 | Bearing 6202 | 1 |
| 12 | | GB95-85-8 | Washer 8 | 1 |
| 13 | | GB5787-86 | Bolt M8x12 | 1 |
| 14 | 125T-E13.15 | GB292-83 | Bearing 6203 | 1 |
| 15 | | BN0060-8 | Special Bolt | 1 |
| 16 | | GB5787-86 | Bolt M6×35 | 1 |
| 17 | 125T-E13.12 | BN0030-12 | Pin 8x14 | 2 |

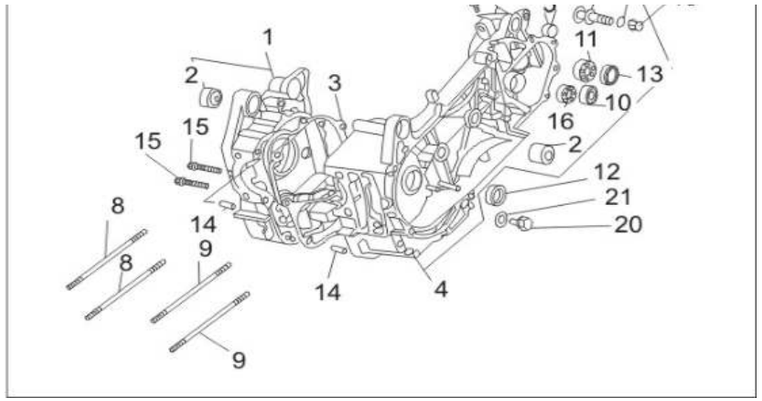



## E14 CRANKCASE ASSY

| | | | | |
|---|---|---|---|---|
| 1 | 150ZT-E14.01 | BN0056 | Right Crankcase Assembly | 1 |
| 2 | 150ZT-E14.02 | BN0083 | Engine Mounting Rubber Bushing | 2 |
| 3 | 150ZT-E14.03 | BN0073 | Crankcase Gasket | 1 |

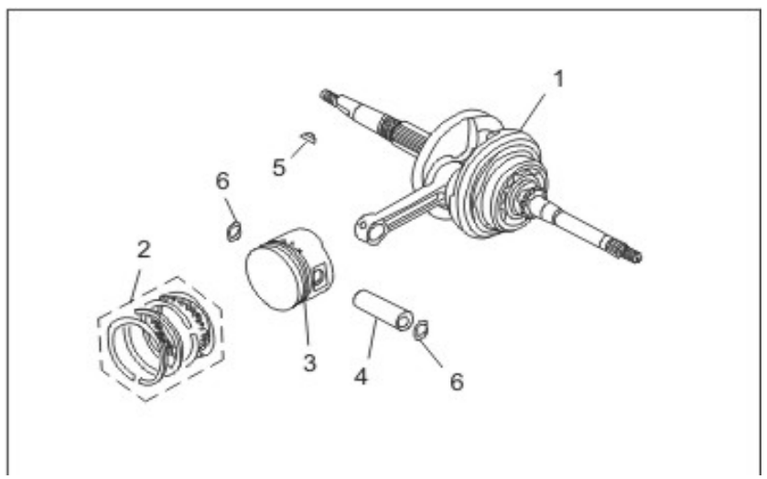


| | | | | |
|---|---|---|---|---|
| 4 | 150ZT-E14.04 | BN0055 | Left Crankcase Assembly | 1 |
| 5 | 150ZT-E14.05 | BN0084 | Bushing | 1 |
| 6 | 125T-E14.06 | 30150000 | Shaft Bushing | 1 |
| 7 | | BN0078 | Breather Pipe | 1 |
| 8 | 150ZT-E14.08 | BN0061 | Stud M8x187 | 2 |
| 9 | 150ZT-E14.09 | 30100001 | Stud M8x196 | 2 |
| 10 | 150ZT-E14.10 | GB292-83 | Bearing 46102 | 1 |
| 11 | 150ZT-E14.11 | GB292-83 | Bearing 46104 | 1 |
| 12 | 125T-E14.12 | 30120000 | Oil Seal 19.8x30x5 | 1 |
| 13 | 125T-E14.13 | BN0035 | Oil Seal 27x42x7 | 1 |
| 14 | 125T-E14.14 | 30100002 | Dowel Pin 8x14 | 2 |
| 15 | | GB5787-86 | Bolt M6×50 | 2 |
| 16 | 150ZT-E14.16 | GB292-83 | Bearing 46031 | 1 |
| 17 | 150ZT-E14.17 | BN0030 | Brake Shoe Anchor Pin | 1 |
| 18 | 125T-E14.18 | GB4352.1-82 | Oil Seal 7.5x1.5 | 1 |
| 19 | | GB6187-86 | Self-locking Nut M8 | 1 |
| 20 | 125T-E14.20 | BN0060-2 | Drain Plug 12mm | 1 |
| 21 | 125T-E14.21 | BN0030 | Drain Plug Washer 12mm | 1 |



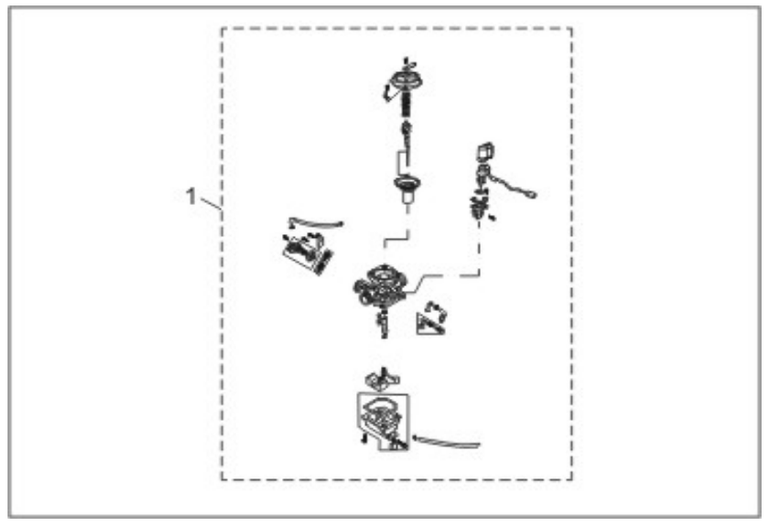

## E15 CRANKSHAFT, PISTON, CONNECTING ROD

| | | | | |
|---|---|---|---|---|
| 1 | 150ZT-E15.01 | BN0001 | Crankshaft Assembly | 1 |
| 2 | 150ZT-E15.02 | | Piston Ring Set (Standard) | 1 |
| 3 | 150ZT-E15.03 | BN0008-3-1 | Piston | 1 |
| 4 | 150ZT-E15.04 | BN0007-3 | Piston Pin | 1 |
| 5 | 150ZT-E15.05 | BN0061-1 | Woodruff Key | 1 |
| 6 | 150ZT-E15.06 | BN0054-3 | Circlip | 2 |
| 7 | 150ZT-E15.07 | BN0008-3-2 | FIRST PISTON RING | 1 |
| 8 | 150ZT-E15.08 | BN0008-3-3 | SECOND PISTON RING | 1 |
| 9 | 150ZT-E15.09 | BN0008-3-4 | PISTON OIL RING | 1 |



## E16 CARBURETOR

| | | | | |
|---|---|---|---|---|
| 1 | 150T-E16.01 | TB1-720000-5 | Carburetor Assembly | 1 |



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