

# Radiator

**Let the Good Times Roll®**

This diagram illustrates the assembly of a motorcycle engine and chassis. Key components and their assembly sequence are indicated by callouts and arrows:

- Engine Components:**
  - Ref. Cylinder Head:** The base for the cylinder assembly.
  - 16160:** The cylinder body, which is bolted to the head.
  - 16160A:** The piston and connecting rod assembly, which is inserted into the cylinder.
  - 59256:** The crankshaft, which is mounted on the frame.
  - 551:** The timing chain and sprockets, which are used to synchronize the piston and crankshaft.
  - 49063:** The timing chain tensioner, which maintains proper tension on the chain.
  - 11060:** The timing chain guide, which guides the chain around the sprockets.
  - 132, 132A, 132C, 132D, 132E, 132F:** Various bolts and washers used to secure the engine components.
  - 92022:** The timing chain cover, which protects the chain and sprockets.
  - 92055A:** The timing chain cover gasket, which seals the cover to the cylinder head.
  - 49054:** The timing chain cover bolt, which secures the cover to the head.
  - 92055:** The timing chain cover nut, which secures the cover to the head.
  - 132F:** The timing chain cover washer, which is used to secure the cover to the head.
- Chassis Components:**
  - Ref. Frame:** The main frame of the motorcycle, which serves as the base for the engine and other components.
  - 39062C:** The swingarm, which is mounted to the frame and the rear axle.
  - 39062B:** The swingarm pivot, which connects the swingarm to the frame.
  - 39062D:** The swingarm shock absorber, which provides damping for the rear suspension.
  - 39061:** The swingarm shock absorber mount, which connects the shock absorber to the swingarm.
  - 49085:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.
  - 92037A:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037B:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.
  - 92037C:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037D:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.
  - 92037E:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037F:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.
  - 92037G:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037H:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.
  - 92037I:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037J:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.
  - 92037K:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037L:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.
  - 92037M:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037N:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.
  - 92037O:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037P:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.
  - 92037Q:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037R:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.
  - 92037S:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037T:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.
  - 92037U:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037V:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.
  - 92037W:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037X:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.
  - 92037Y:** The swingarm shock absorber nut, which secures the shock absorber to the swingarm.
  - 92037Z:** The swingarm shock absorber bolt, which secures the shock absorber to the swingarm.

# 2018 BRUTE FORCE® 750 4x4i

## PARTS LIST

### Radiator

| ITEM NAME                                   | PART NUMBER | QUANTITY |
|---------------------------------------------|-------------|----------|
| GASKET,RESERVOIR TANK CAP (Ref # 11009)     | 11009-1145  | 1        |
| CAP (Ref # 11012)                           | 11012-1084  | 1        |
| GASKET,WATER PUMP (Ref # 11060)             | 11060-1964  | 1        |
| SCREEN (Ref # 14037)                        | 14037-0742  | 1        |
| COVER-PUMP,WATER (Ref # 16142)              | 16142-0069  | 1        |
| BODY,THERMOSTAT,LWR (Ref # 16160)           | 16160-0189  | 1        |
| BODY,THERMOSTAT,UPP (Ref # 16160A)          | 16160-0225  | 1        |
| BREAKER,FAN MOTOR (Ref # 21008)             | 21008-0555  | 1        |
| RADIATOR-ASSY (Ref # 39061)                 | 39061-0589  | 1        |
| HOSE-COOLING,FR HEAD-THERMO (Ref # 39062)   | 39062-0316  | 1        |
| HOSE-COOLING,5X9X800 (Ref # 39062A)         | 39062-0321  | 1        |
| HOSE-COOLING,RADIATOR-PUMP (Ref # 39062B)   | 39062-0587  | 1        |
| HOSE-COOLING,THERMO-RADIATOR (Ref # 39062C) | 39062-0630  | 1        |
| HOSE-COOLING,5X9X410 (Ref # 39062D)         | 39062-0631  | 1        |
| RESERVOIR (Ref # 43078)                     | 43078-0070  | 1        |
| THERMOSTAT (Ref # 49054)                    | 49054-1055  | 1        |
| SEAL-MECHANICAL,WATER (Ref # 49063)         | 49063-1055  | 1        |
| CAP-ASSY-PRESSURE (Ref # 49085)             | 49085-0005  | 1        |
| IMPELLER (Ref # 59256)                      | 59256-1069  | 1        |
| FAN-ASSY (Ref # 59502)                      | 59502-0554  | 1        |
| SCREW,6X16 (Ref # 92009)                    | 92009-1694  | 1        |
| WASHER,6.2X11X1 (Ref # 92022)               | 92022-304   | 2        |
| CLAMP,TUBE (Ref # 92037)                    | 92037-1461  | 3        |
| CLAMP,COOLING HOSE (Ref # 92037A)           | 92037-1589  | 2        |
| RING-O,22.1X2.4 (Ref # 92055)               | 92055-1081  | 1        |
| RING-O,44.7X2.4 (Ref # 92055A)              | 92055-1279  | 1        |
| GROMMET (Ref # 92071)                       | 92071-1115  | 1        |
| BAND,L=149 (Ref # 92072)                    | 92072-031   | 1        |
| DAMPER (Ref # 92075)                        | 92075-209   | 2        |

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| ITEM NAME                            | PART NUMBER | QUANTITY |
|--------------------------------------|-------------|----------|
| BOLT,6X12 (Ref # 92154)              | 92154-0741  | 4        |
| DAMPER (Ref # 92160)                 | 92160-1007  | 2        |
| CLAMP,COOLING HOSE (Ref # 92171)     | 92171-0060  | 3        |
| CLAMP (Ref # 92171A)                 | 92171-0179  | 1        |
| CLAMP,L=60 (Ref # 92171B)            | 92171-0652  | 1        |
| NUT (Ref # 92210)                    | 92210-0754  | 2        |
| NUT (Ref # 92210A)                   | 92210-1323  | 4        |
| BOLT-FLANGED-SMALL,6X12 (Ref # 132)  | 132BA0612   | 2        |
| BOLT-FLANGED-SMALL,6X20 (Ref # 132A) | 132BA0620   | 3        |
| BOLT-FLANGED-SMALL,6X25 (Ref # 132B) | 132BA0625   | 2        |
| BOLT-FLANGED-SMALL,6X30 (Ref # 132C) | 132BA0630   | 1        |
| BOLT-FLANGED-SMALL,6X50 (Ref # 132D) | 132BA0650   | 1        |
| BOLT-FLANGED-SMALL,6X90 (Ref # 132E) | 132BA0690   | 2        |
| BOLT-FLANGED-SMALL,6X12 (Ref # 132F) | 132BD0612   | 2        |
| SCREW-PAN-WP-CROS,6X14 (Ref # 224)   | 224AB0614   | 2        |
| PIN-DOWEL,4X8 (Ref # 551)            | 551A0408    | 2        |