Features & Specifications 2017 Boulevard S40



Overview

The Suzuki Boulevard S40 takes a timeless single-cylinder design, a new blacked-out treatment, and adds a shot of advanced Suzuki technology to create a bike that combines exciting performance and a bold appearance with rock-solid reliability. It features a strong, rigid chassis for agile handling and lightweight responsiveness that makes it great for cruising down the boulevard or beyond the city limits. Best of all, one twist of the throttle rewards you with a strong blast torque from the 40-cubic-inch engine.

New Features

- Eye-catching Metallic Fox Orange or Glass Sparkle Black colors.
- Blacked-out engine with highlighted cylinder head cooling fins.
- Blacked-out handlebars, upper fork clamp, headlight shell and other components deliver a bold, custom look.
- · Shiny black finish on the wheel rims is set off by bright, stainless steel spokes.
- Black lower fork legs and rear fender stays match the wheels' black rims, further impressing the S40's strong style.

Engine Features

- A 652cc, SOHC, single-cylinder, air-cooled four-stroke engine with TSCC (Twin Swirl Combustion Chambers) cylinder head and high mass crankshaft produces strong low-end power and torque.
- An electric starter with automatic decompression system provides quick, easy engine starting.
- Precise electronic ignition system with maintenance-free battery.
- A smooth-shifting 5-speed transmission is complemented by a low-maintenance belt-drive system that's quiet, durable, and simple to adjust and clean.
- Sculpted engine features a rich, blacked-out treatment with a large, visually striking cylinder and head with highlighted cooling fins.





Chassis Features

- Strong steel frame with tubular backbone that supports the chopper-style chassis.
- Black-finish drag-style handlebar with upper fork clamp and custom-style rear view mirrors provide a striking appearance (similar to the larger Suzuki Boulevard models).
- Attractive tear drop-shaped fuel tank (2.8 gal capacity) with flush-mounted speedometer.
- Neatly painted steel front/rear fenders and side covers complement the fuel tank.
- One-piece saddle adds to streamlined appearance. The deeply cushioned seat has a low 27.6 inches seat height that's great for smaller or entry-level riders.
- A wide 15" rear tire and slim 19" front tire provide a classic cruiser look.
- · Light weight (381 lbs.) for easy maneuverability.
- A hydraulic front disc brake and drum-type rear brake provide strong, reliable braking performance.
- The rear reflector is integrated with the taillight for a clean, finished appearance to the rear section of the bike.
- · Convenient hazard and passing light switches.

Additional Features

- A variety of Genuine Suzuki Accessories for Boulevard owners are available including a large selection of Suzuki logo apparel.
- · 12-month, unlimited mileage, limited warranty.
- Longer warranty coverage period and other benefits are available through the Suzuki Extended Protection Plan (SEP).
- For more details, please visit www.suzukicycles.com.



Specifications LS650BL7 E-03: USA, E-33: California

DIMENSIONS AND CURB MASS

| Overall length | 2 180 mm (85.8 in) |
|------------------|--------------------|
| Overall width | 720 mm (28.3 in) |
| Overall height | 1 105 mm (43.5 in) |
| Wheelbase | |
| Ground clearance | 135 mm (5.3 in) |
| Seat height | 700 mm (27.6 in) |
| Curb mass | |

ENGINE

| Type | 4-stroke, air-cooled, OHC |
|---------------------|---------------------------|
| Number of cylinders | |
| Bore | |
| Stroke | 94.0 mm (3.701 in) |
| Displacement | 652 cm³ (39.8 cu. in) |
| Compression ratio | 8.5 : 1 |
| Carburetor | MIKUNI BS40, single |
| Air cleaner | Non-woven fabric element |
| Starter system | Electric |
| Lubrication system | Wet sump |
| Idle speed | 1100 ± 100 r/min |
| | |

DRIVE TRAIN

| Clutch | Wet multi-plate type |
|-------------------------|-----------------------|
| Transmission | 5-speed constant mesh |
| Gearshift pattern | 1-down, 4-up |
| Primary reduction ratio | 1.810 (67/37) |
| Gear ratios, Low | 2.333 (35/15) |
| 2nd | 1.578 (30/19) |
| 3rd | 1.142 (24/21) |
| 4th | 0.956 (22/23) |
| Top | 0.884 (23/26) |
| Final reduction ratio | 2.956 (68/23) |
| Drive system | Belt drive |



Specifications LS650BL7 E-03: USA, E-33: California

| CHASSIS | |
|-------------------------|--|
| Front suspension | Telescopic, coil spring, oil damped |
| Rear suspension | Swingarm type, coil spring, oil damped |
| Front suspension stroke | 140 mm (5.5 in) |
| Rear wheel travel | 80 mm (3.1 in) |
| Caster | 35° |
| Trail | 147 mm (5.79 in) |
| Steering angle | 42° (right & left) |
| Turning radius | |
| Front brake | |
| Rear brake | Drum brake |
| Front tire size | 100/90-19 M/C 57H, tube type |
| Rear tire size | 140/80-15 M/C 67H, tube type |
| | |
| ELECTRICAL | |
| Ignition type | |
| Ignition timing | 5° B.T.D.C. at 1 100 r/min |

| Ignition timing | |
|-----------------------------|---------------------------------|
| Spark plug | NGK DPR8EA-9 or DENSO X24EPR-U9 |
| Battery | 12V 50.4 kC (14 Ah)/10 HR |
| Generator | Three-phase A.C. generator |
| Fuse | 20/20A |
| Headlight | 12V 60/55W |
| Turn signal light Front | 12V 21/5W |
| Rear | |
| Brake light/Taillight | 12V 21/5W |
| License plate light | 12V 8W |
| Speedometer light | |
| Neutral indicator light | 12V 3W |
| High beam indicator light | 12V 1.7W |
| Turn signal indicator light | 12V 3W × 2 |

CAPACITIES

| Fuel tank | including reserve | 10.5 L (2.8/2.3 US/Imp gal) E-03 |
|------------|--------------------|----------------------------------|
| | • | 10.0 L (2.6/2.2 US/Imp gal) E-33 |
| | Reserve | 2.5 L (0.6/0.5 US/Imp gal) |
| Engine oil | , oil change | 1 800 ml (1.9/1.6 US/Imp qt) |
| · · | With filter change | 2 000 ml (2.1/1.8 US/Imp qt) |
| | Overhaul | 2 400 ml (2.5/2.1 US/Imp qt) |



Service Data LS650BL7 E-03: USA, E-33: California

VALVE + GUIDE

Unit: mm (in)

| ITEM | STANDARD | | LIMIT | |
|--------------------------------------|-----------|---|-----------------|--|
| Valve diam. | IN. | 33 (1.3) | _ | |
| | EX. | 28 (1.1) | _ | |
| Valve lift | IN. | 8.5 (0.33) | _ | |
| | EX. | 8.5 (0.33) | _ | |
| Valve clearance (when cold) | IN. & EX. | 0.08 - 0.13 (0.003 - 0.005) | _ | |
| Valve guide to valve stem clearance | IN. | 0.025 - 0.055 (0.0010 - 0.0022) | _ | |
| | EX. | 0.040 - 0.070 (0.0016 - 0.0028) | _ | |
| Valve stem deflection | IN. & EX. | _ | 0.35 (0.014) | |
| Valve guide I.D. | IN. & EX. | 7.000 - 7.015 (0.2756 - 0.2762) | _ | |
| Valve stem O.D. | IN. | 6.960 - 6.975 (0.2740 - 0.2746) | _ | |
| | EX. | 6.945 - 6.960 (0.2734 - 0.2740) | _ | |
| Valve stem runout | IN. & EX. | _ | 0.05 (0.002) | |
| Valve head thickness | IN. & EX. | _ | 0.5 (0.02) | |
| Valve stem end length | IN. & EX. | _ | 2.9 (0.11) | |
| Valve seat width | IN. & EX. | 1.0 - 1.2 (0.039 - 0.047) | _ | |
| Valve head radial runout | IN. & EX. | _ | 0.03 (0.001) | |
| Valve spring free length (IN. & EX.) | INNER | _ | 35.6 (1.40) | |
| | OUTER | _ | 40.4 (1.59) | |
| Valve spring tension (IN. & EX.) | INNER | 68 – 83 N (6.9 – 8.5 kgf, 15.2 – 18.7 lbs) at length 31.0 mm (1.2 in) | _ | |
| | OUTER | 160 – 184 N (16.4 – 18.8 kgf, 36.2 – 41.4 lbs) at length 33.0 mm (1.3 in) | _ | |



CAMSHAFT + CYLINDER HEAD

Unit: mm (in)

| ITEM | | LIMIT | |
|--------------------------------|-------------------|--------------------------------------|--------------------|
| | | STANDARD | |
| Cam height | IN. | 36.174 - 36.228 (1.4242 - 1.4263) | 35.880 (1.4126) |
| | EX. | 36.419 - 36.473 (1.4338 - 1.4359) | 36.120 (1.4220) |
| Camshaft journal oil clearance | | 0.032 - 0.066 (0.0013 - 0.0026) | 0.150 (0.0060) |
| Camshaft journal holder I.D. | Left | 20.012 - 22.025 (0.7879 - 0.7884) | |
| | Right & Center | 25.012 - 25.025 (0.9847 - 0.9852) | |
| Camshaft journal O.D. | Left | 19.959 - 19.976 (0.7858 - 0.7865) | |
| | Right & Center | 24.959 - 24.976 (0.9826 - 0.9833) | |
| Camshaft runout | | _ | 0.10 (0.004) |
| Rocker arm I.D. | IN. & EX. | 12.000 - 12.018 (0.4724 - 0.4731) | _ |
| Rocker arm shaft O.D. | IN. & EX. | 11.966 – 11.984 (0.4711 – 0.4718) | _ |
| Cylinder head distortion | | _ | 0.05 (0.002) |
| Cylinder head cover distortion | | _ | |
| De-comp. cable play | | 3 – 5 (0.12 – 0.20) | _ |

CYLINDER + PISTON + PISTON RING

Unit: mm (in)

| ITEM | | | LIMIT | |
|---------------------------------|-----|---|--------------------------------------|--------------------|
| Compression pressure | | (1 | 800 kPa (8 kgf/cm², 114 psi) | |
| Piston to cylinder clearance | | | 0.050 - 0.060 (0.0020 - 0.0024) | 0.120 (0.0047) |
| Cylinder bore | | | 94.000 – 94.015 (3.7008 – 3.7014) | 94.080 (3.7039) |
| Piston diam. | Mea | 93.945 – 93.960 (3.6986 – 3.6992) Measure at 20 mm (0.8 in) from the skirt end. | | 93.880 (3.6961) |
| Cylinder distortion | | _ | | 0.05 (0.002) |
| Piston ring free end gap | 1st | Т | Approx. 11.5 (0.45) | 9.2 (0.36) |
| | 2nd | Т | Approx. 14.0 (0.55) | 11.2 (0.44) |
| Piston ring end gap | 1s | t | 0.30 - 0.45 (0.012 - 0.018) | 1.00 (0.039) |
| | 2nd | d | 0.25 - 0.40 (0.010 - 0.016) | 1.00 (0.039) |
| Piston ring to groove clearance | 1s | t | _ | 0.18 (0.007) |
| | 2nd | d | _ | 0.15 (0.006) |

| ITEM | | STANDARD | |
|--------------------------|--------------------------------------|------------------------------------|--------------------|
| Piston ring groove width | 1st | 1.23 – 1.25 (0.0484 – 0.0492) | _ |
| | 2nd | 1.21 - 1.23 (0.0476 - 0.0484) | _ |
| | Oil | 2.81 - 2.83 (0.1106 - 0.1114) | _ |
| Piston ring thickness | 1st | 1.175 – 1.190 (0.0463 – 0.0469) | _ |
| | 2nd | 1.175 – 1.190 (0.0463 – 0.0469) | _ |
| Piston pin bore | 23.000 – 23.006 (0.9055 – 0.9057) | | 23.030 (0.9067) |
| Piston pin O.D. | 22.996 – 23.000 (0.9054 – 0.9055) | | 22.980 (0.9047) |

CONROD + CRANKSHAFT + BALANCER

Unit: mm (in)

| ITEM | STANDARD | LIMIT |
|-------------------------------|--------------------------------------|--------------------|
| Corod small end I.D. | 23.006 – 23.014 (0.9057 – 0.9061) | 23.040 (0.9071) |
| Conrod deflection | _ | 3.0 (0.12) |
| Conrod big end side clearance | 0.10 - 0.65 (0.004 - 0.026) | 1.0 (0.039) |
| Conrod big end width | 24.95 - 25.00 (0.982 - 0.984) | _ |
| Crank web to web width | 70.0 ± 0.1 (2.756 ± 0.004) | _ |
| Crankshaft runout | _ | 0.05 (0.002) |
| Balancer spring free length | _ | 10.0 (0.39) |

OIL PUMP

| ITEM | STANDARD | LIMIT |
|---------------------------------|---|-------|
| Oil pump reduction ratio | 2.203 (68/36 × 35/30) | _ |
| Oil pressure (at 60 °C, 140 °F) | Above 50 kPa (0.50 kgf/cm², 7.1 psi) Below 75 kPa (0.75 kgf/cm², 10.7 psi) at 3 000 r/min | _ |



CLUTCH Unit: mm (in)

| ITEM | | LIMIT | |
|-----------------------|-------|--------------------------------|-----------------|
| Clutch lever play | | _ | |
| Drive plate thickness | No. 1 | 2.92 – 3.08 (0.115 – 0.121) | 2.62 (0.103) |
| | No. 2 | 3.45 - 3.55 (0.136 - 0.140) | 3.15 (0.124) |

| ITEM | | STANDARD | | |
|---------------------------|-------|--------------------------------|-----------------|--|
| Drive plate claw width | No. 1 | 15.8 - 16.0 (0.622 - 0.630) | 15.0 (0.591) | |
| | No. 2 | 15.9 - 16.0 (0.626 - 0.630) | 15.1 (0.594) | |
| Driven plate distortion | | _ | 0.1 (0.004) | |
| Clutch spring free length | | _ | 33.0 (1.30) | |

DRIVE TRAIN

Unit: mm (in) Except ratio

| ITEM | | | LIMIT | |
|---------------------------|-------|--|--------------------------------|-----------------|
| Primary reduction ratio | | 1.810 (67/37) | | _ |
| Final reduction ratio | | | 2.956 (68/23) | _ |
| Gear ratios | Low | | 2.333 (35/15) | _ |
| | 2nd | | 1.578 (30/19) | _ |
| | 3rd | | 1.142 (24/21) | _ |
| | 4th | | 0.956 (22/23) | _ |
| | Тор | | 0.884 (23/26) | _ |
| Shift fork to groove clea | rance | 0.10 - 0.30 (0.004 - 0.012) | | 0.50 (0.020) |
| Shift fork groove width | | 3rd drive gear | 5.50 - 5.60 (0.217 - 0.220) | _ |
| | | 4th driven gear | 5.50 - 5.60 (0.217 - 0.220) | _ |
| | | Top driven gear | 5.50 - 5.60 (0.217 - 0.220) | _ |
| Shift fork thickness | | No. 1, No. 2 5.30 – 5.40 (0.209 – 0.213) | | _ |
| Drive belt | | Type BANDO: 133U-14M 40.0 | | _ |
| | | Number of teeth | 133 | _ |
| Gearshift lever height | | | 60 (2.4) | _ |

CARBURETOR

| ITEM | | SPECIFICATION | | |
|---------------------|---------|-----------------------------------|--------------------------------|--|
| | | E-03 | E-33 | |
| Carburetor type | | MIKUNI BS40SS | ← | |
| Bore size | | 40 mm | ← | |
| I.D. No. | | 24C4 | 24C5 | |
| Idle r/min | | 1 100 ± 100 r/min | ← | |
| Float height | | 27.95 ± 1.0 mm (1.1 ± 0.04 in) | ← | |
| Main jet | (M.J.) | #145 | ← | |
| Jet needle | (J.N.) | 5C39 | 5C39 | |
| Needle jet | (N.J.) | X-7M | ← | |
| Throttle valve | (Th.V.) | #120 | ← | |
| Pilot jet | (P.J.) | #52.5 | ← | |
| Pilot screw | (P.S.) | PRE-SET (1 and 1/8 turns back) | PRE-SET (1 and 1/8 turns back) | |
| Throttle cable play | | 2.0 – 4.0 mm (0.08 – 0.16 in) | ← | |

ELECTRICAL Unit: mm (in)

| | ITEM | | SPECIFICATION | NOTE |
|-------------------|---------------------------|---------------------------------------|------------------------------|----------------------|
| Spark plug | | Type NGK: DPR8EA-9 N.D.: X24EPR-U9 | | |
| | | Gap | 0.8 - 0.9 (0.031 - 0.035) | |
| Spark perform | ance | | Over 8 (0.3) at 1 atm. | |
| Solenoid resist | tance | | $0.1-1.0~\Omega$ | |
| Pick-up coil res | sistance | | 170 – 270 Ω | O/G |
| Ignition coil res | sistance | Primary $1-7 \Omega$ | | O/W – Ground |
| | | Secondary $10 - 25 \text{ k}\Omega$ | | Plug cap – Ground |
| Generator no-l | oad voltage | More than 100 V (AC) at 5 000 r/min | | |
| Regulated volt | age | 1- | 4.0 - 15.5 V at 5 000 r/min | |
| Starter relay re | esistance | | 2 – 6 Ω | |
| Battery | Type designation | | YB14L-B2 | |
| | Voltage | 12 V | | |
| | Capacity | 50.4 kC (14 Ah)/10 HR | | |
| | Standard electrolyte S.G. | 1.28 at 20 °C (68 °F) | | |
| Fuse size | | | 20 A | |

WATTAGE Unit: W

| ITEM | | SPECIFICATION | |
|--|----|---------------|--|
| | | E-03, 33 | |
| Headlight | HI | 60 | |
| | LO | 55 | |
| Brake light/Taillight | | 21/5 | |
| Turn signal light | | 21 | |
| Running light (within front turn signal light) | | 5 | |
| Speedometer light | | 3 | |
| Turn signal indicator light | | 3 | |
| High beam indicator light | | 1.7 | |
| Neutral indicator light | | 3 | |
| License light | | 8 | |

BRAKE + WHEEL

Unit: mm (in)

| ITEM | | STANDARD | | |
|------------------------------|--------|--------------------------------------|-----------------|--|
| Rear brake pedal free travel | | 20 – 30 (0.8 – 1.2) | | |
| Rear brake pedal height | | 60 (2.4) | _ | |
| Brake drum I.D. | Rear | - | 160.7 (6.33) | |
| Brake lining thickness | Rear | _ | 1.5 (0.06) | |
| Brake disc thickness | Front | 4.5 ± 0.2 (0.18 ± 0.01) | 4.0 (0.16) | |
| Brake disc runout | Front | _ | 0.30 (0.012) | |
| Master cylinder bore | Front | 12.700 - 12.743 (0.4999 - 0.5017) | _ | |
| Master cylinder piston diam. | Front | 12.657 – 12.684 (0.4983 – 0.4994) | _ | |
| Brake caliper cylinder bore | Front | 42.850 - 42.926 (1.6870 - 1.6900) | _ | |
| Brake caliper piston diam. | Front | 42.770 – 42.820 (1.6839 – 1.6858) | _ | |
| Wheel rim runout | Axial | _ | 2.0 (0.08) | |
| | Radial | _ | 2.0 (0.08) | |
| Wheel axle runout | Front | _ | 0.25 (0.010) | |
| | Rear | _ | 0.25 (0.010) | |
| Wheel rim size | Front | 19 × 2.15 | _ | |
| | Rear | 15M/C × 2.75 | | |
| Tire size | Front | 100/90-19M/C 57H | | |
| | Rear | 140/80-15 M/C 67H | _ | |

| ITEM | | LIMIT | |
|------------------|-------|-------|---------------|
| Tire tread depth | Front | _ | 1.6 (0.06) |
| | Rear | _ | 2.0 (0.08) |

SUSPENSION Unit: mm (in)

| ITEM | STANDARD | LIMIT | NOTE |
|-------------------------------|----------------|----------------|------|
| Front fork stroke | 140 (5.5) | _ | |
| Front fork spring free length | _ | 401 (15.79) | |
| Front fork oil level | 75.0 (2.95) | _ | |
| Rear wheel travel | 80 (3.1) | _ | |
| Swingarm pivot shaft runout | _ | 0.3 (0.001) | |

TIRE PRESSURE

| COLD INFLATION | SOLO RIDING | | | DUAL RIDING | | |
|----------------|-------------|---------------------|-----|-------------|---------------------|-----|
| TIRE PRESSURE | kPa | kgf/cm ² | psi | kPa | kgf/cm ² | psi |
| FRONT | 200 | 2.00 | 29 | 200 | 2.00 | 29 |
| REAR | 225 | 2.25 | 33 | 250 | 2.50 | 36 |

FUEL + OIL

| ITEM | | SPECIFICATION | NOTE | |
|------------------------------------|---|---|-----------|--|
| Fuel type | Use only unle octane (R/2 + the research m Gasoline conta Ether), less th methanol with sion inhibitor is | | | |
| Fuel tank capacity | Including | 10.5 L (2.8/2.3 US/Imp gal) | E-03 | |
| | reserve | 10.0 L (2.6/2.2 US/Imp gal) | E-33 | |
| | Only 2.5 L reserve (0.66/0.55 US/Imp gal) | | | |
| Engine oil type | SAE 10W-40, | SAE 10W-40, API SF/SG or SH/SJ with JASO MA | | |
| Engine oil capacity | Oil change 1 800 ml (1.9/1.6 US/lmp qt) | | | |
| | Oil and filter change | 2 000 ml (2.1/1.8 US/lmp qt) | | |
| | Engine overhaul | 2 400 ml 2.5/2.1 US/lmp qt) | | |
| Front fork oil type | | | | |
| Front fork oil capacity (each leg) | (- | Spacer | | |
| Brake fluid type | | DOT 4 | L: 135 mm | |

TIGHTENING TORQUE ENGINE

| ITEM | N⋅m | kgf-m | lbf-ft |
|---|-----------|-------------|---------------|
| Cylinder head cover bolt | 8 – 12 | 0.8 – 1.2 | 6.0 - 8.5 |
| Camshaft sprocket bolt | 14 – 16 | 1.4 – 1.6 | 10.0 – 11.5 |
| Cylinder head nut 9 mm Diam. | 29 – 33 | 2.9 - 3.3 | 21.0 – 24.0 |
| Cylinder head nut 8 mm Diam. | 23 – 27 | 2.3 – 2.7 | 16.5 – 19.5 |
| Cylinder base nut | 8 – 12 | 0.8 – 1.2 | 6.0 - 8.5 |
| Cam drive chain tensioner set bolt | 20 – 25 | 2.0 – 2.5 | 14.5 – 18.0 |
| Generator rotor bolt | 140 – 160 | 14.0 – 16.0 | 101.5 – 115.5 |
| Primary drive gear nut | 90 – 110 | 9.0 – 11.0 | 65.0 – 79.5 |
| Clutch spring mounting bolt | 11 – 13 | 1.1 – 1.3 | 8.0 – 9.5 |
| Clutch sleeve hub nut | 50 – 70 | 5.0 – 7.0 | 36.0 - 50.5 |
| Gearshift arm stopper | 15 – 23 | 1.5 – 2.3 | 11.0 – 16.5 |
| Oil filter cap nut and oil sump filter cap bolt | 6 – 8 | 0.6 - 0.8 | 4.5 – 6.0 |
| Engine pully nut | 100 – 130 | 10.0 – 13.0 | 72.5 – 94.0 |
| Engine mounting nut (cylinder head) | 37 – 45 | 3.7 – 4.5 | 27.0 – 32.5 |
| Engine mounting nut | 70 – 88 | 7.0 - 8.8 | 50.5 - 63.5 |
| Engine mounting bracket bolt | 20 – 30 | 2.0 - 3.0 | 14.5 – 21.5 |
| Exhaust pipe bolt | 18 – 28 | 1.8 – 2.8 | 13.0 – 20.0 |
| Muffler mounting nut | 18 – 28 | 1.8 - 2.8 | 13.0 – 20.0 |
| Crankcase bolt 6 mm | 9 – 13 | 0.9 – 1.3 | 6.5 – 9.5 |
| Oil gallery plug 14 mm | 20 – 25 | 2.0 - 2.5 | 14.5 – 18.0 |
| Oil gallery plug 10 mm | 12 – 18 | 1.2 – 1.8 | 8.5 – 13.0 |
| Crankshaft hole plug 36 mm | 12 – 18 | 1.2 – 1.8 | 8.5 – 13.0 |
| Engine oil drain plug 12 mm | 18 – 23 | 1.8 - 2.3 | 13.0 – 16.5 |
| Starter clutch Allen bolt | 23 – 28 | 2.3 - 2.8 | 16.5 – 20.0 |
| Flywheel nut | 140 – 160 | 14.0 – 16.0 | 101.5 – 115.5 |
| Counter balancer set bolt | 40 – 50 | 4.0 - 5.0 | 29.0 – 36.0 |
| Crankshaft right end oil seal retainer bolt | 5 – 6 | 0.5 - 0.6 | 3.5 – 4.5 |
| Cam chain tensioner plate bolt | 8 – 12 | 0.8 - 1.2 | 6.0 - 8.5 |
| Exhaust rocker arm shaft set bolt | 8 – 10 | 0.8 – 1.0 | 6.0 - 7.0 |
| Cylinder head cover plug | 25 – 30 | 2.5 – 3.0 | 18.0 – 21.5 |
| De-comp lever nut | 15 – 20 | 1.5 – 2.0 | 11.0 – 14.5 |
| Tappet adjuster lock-nut | 13 – 16 | 1.3 – 1.6 | 9.5 – 11.5 |
| Driveshaft oil seal retainer bolt | 9 – 13 | 0.9 - 1.3 | 6.5 – 9.5 |

CHASSIS

| ITEM | N⋅m | kgf-m | lbf-ft |
|---|---------|-----------|-------------|
| Front axle | 44 | 4.4 | 32.0 |
| Front axle pinch bolt | 23 | 2.3 | 16.5 |
| Front axle clamp bolt | 15 – 25 | 1.5 – 2.5 | 11.0 – 18.0 |
| Front fork damper rod bolt | 30 | 3.0 | 21.5 |
| Front fork lower clamp bolt | 33 | 3.3 | 24.0 |
| Front fork cap bolt | 45 | 4.5 | 32.5 |
| Steering stem head nut | 65 | 6.5 | 47.0 |
| Handlebar clamp bolt | 23 | 2.3 | 16.5 |
| Handlebar holder bolt | 20 – 30 | 2.0 - 3.0 | 14.5 – 21.5 |
| Handlebar holder nut | 25 | 2.5 | 18.0 |
| Front brake master cylinder mounting bolt | 5 – 8 | 0.5 – 0.8 | 3.5 – 6.0 |
| Front brake master cylinder mounting nut | 10 | 1.0 | 7.0 |
| Front brake caliper mounting bolt | 25 – 40 | 2.5 – 4.0 | 18.0 – 29.0 |
| Front brake caliper mounting nut | 35 | 3.5 | 25.5 |
| Front brake pad mounting bolt | 18 | 1.8 | 13.0 |
| Brake hose union bolt | 23 | 2.3 | 16.5 |
| Air bleeder valve | 6 | 0.6 | 4.5 |
| Front disc mounting bolt | 23 | 2.3 | 16.5 |
| Swingarm pivot nut | 78 | 7.8 | 56.5 |
| Front footrest bolt (6 mm) | 10 | 1.0 | 7.3 |
| Front footrest mounting bolt | 65 | 6.5 | 47.0 |
| Rear shock absorber mounting nut | 29 | 2.9 | 21.0 |
| (Upper & Lower) | | | |
| Rear axle nut | 72 | 7.2 | 52.0 |
| Rear pulley mounting nut | 60 | 6.0 | 43.5 |
| Rear pulley plate bolt | 11 | 1.1 | 8.0 |
| Rear brake cam lever bolt | 7 | 0.7 | 5.0 |
| Spoke nipple | 5 | 0.5 | 3.7 |
| Muffler stay bolt | 31 | 3.1 | 22.5 |
| Muffler stay mounting bolt | 28 – 33 | 2.8 – 3.3 | 20.0 – 24.0 |
| Front footrest mounting nut | 50 – 80 | 5.0 - 8.0 | 36.0 – 58.0 |

