

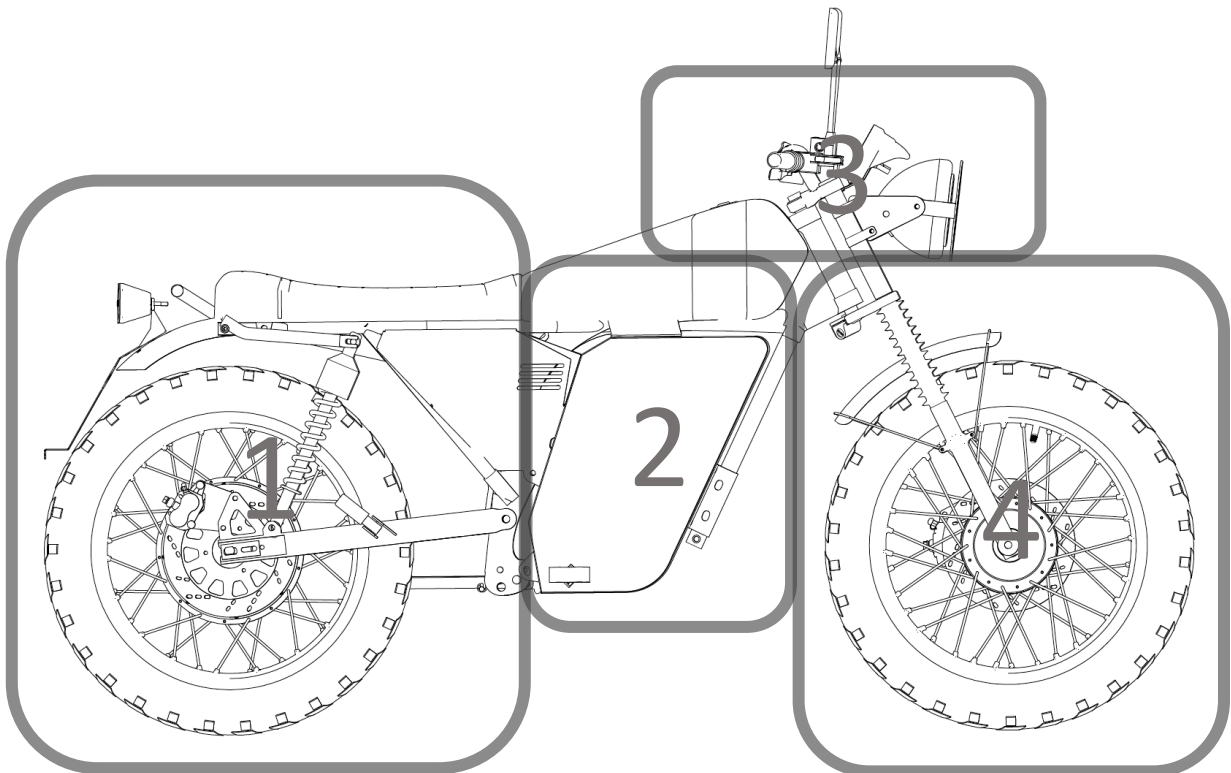
Hardware

Take care of your Bonfire so you can always have fun. Most of the hardware on the Bonfire (X) is standard and can be found in your local hardware store, motorcycle online-shop or even Amazon. However, we always recommend using original BTM spare parts, to ensure full safety while riding your bike.

Below you will find tables of the common hardware used on the Bonfire (X) along with the torque specifications for each bolt. Use a calibrated torque wrench to tighten bolts to their respective specifications and no more. For bolts that require threadlocker, we recommend red Loctite 272.



If you do not feel confident to carry out maintenance or repair work successfully and safely yourself, we recommend that you have the work carried out by a local and reputable mechanic. Contact BTM for assistance in finding a suitable service workshop near you.

Bonfire areas

1. Rear wheel & suspension

| Motorcycle part | Specification | Tool | Torque |
|-----------------------------------|-------------------------------|------------------------------|--------|
| Axle nut | 2 x M16 hex nut | 24 mm socket | 80 Nm |
| Lock nut of the axle nut | 2 x M16 hex nut | 24 mm socket | 30 Nm |
| Rear wheel fastening screw | 2 x M6 - 18 mm | 5 mm Hex Key | 12 Nm |
| Swing arm attachment | M12 - 270 mm & M12 hex nut | 10 mm Hex Key & 19 mm Wrench | 35 Nm |
| Lower suspension mounting | 2 x M10 - 40 mm & M10 hex nut | 6 mm Hex Key & 15 mm Wrench | 25 Nm |
| Upper suspension Mounting | 2 x M10 fine-thread hex nut | 17 mm wrench | 25 Nm |
| Rear brake caliper mounting bolts | 2 x M8 - 12 mm | 6 mm Hex Key | 25 Nm |
| Brake disc mounting screws | 3 x M8 - 25 mm | 6 mm Hex Key | 25 Nm |
| Brake pad mounting screws | 2 x M6 - 40 mm | 4 mm Hex Key | 15 Nm |
| Taillight mounting | 2 x M6 hex nut | 10 mm wrench | 5 Nm |
| License plate mounting | 2 x M6 - 12 mm | 4 mm Hex Key & 10 mm wrench | 10 Nm |
| Turn signal attachment | 2 x M10 fine-thread hex nut | 17 mm wrench | 15 Nm |
| Reflector bracket | 2 x M5 - 12 mm & M5 hex nut | 4 mm Hex Key & 8 mm wrench | 8 Nm |
| Passenger holder | 2 x M8 - 60 mm | 6 mm Hex Key | 25 Nm |
| Saddle attachment | 2 x M8 - 20 mm | 6 mm Hex Key | 25 Nm |
| Mudguard fixing screws | 2 x M8 - 60 mm | 6 mm Hex Key | 15 Nm |

2. Battery Box & Electronics

| Motorcycle part | Specification | Tool | Torque |
|-------------------------------|------------------------------|-----------------------------|--------|
| Side stand mounting | M10 bolt with M10 hex nut | 6 mm Hex Key & 15 mm wrench | 20 Nm |
| Side stand spring mounting | M5 - 40 mm & 2 x M5 hex nut | 4 mm Hex Key & 8 mm wrench | 6 Nm |
| Angle box mounting | 15 x M8 - 16 mm | 13 mm wrench | 20 Nm |
| Lower box-frame mounting | 2 x M8 - 16 mm & M8 hex nut | 13 mm Wrench | 20 Nm |
| Upper box-frame mounting | 2 x M8 - 60 mm & M8 hex nut | 13 mm Wrench | 20 Nm |
| Down tube & box mounting | 2 x M8 - 70 mm & M10 hex nut | 13 mm Wrench | 20 Nm |
| Angle box mounting | 1 x M8 x 16 | 5 mm Hex Key | 20 Nm |
| Battery safety lock | M5 - 16 mm | 3 mm Hex Key | 6 Nm |
| Side cover & box (Top) | 4 x M5 - 12 mm | 3 mm Hex Key | 10 Nm |
| Side cover & box (Low) | 4 x M8 - 16 mm | 13 mm wrench | 20 Nm |
| Side stand Kill Switch | 2 x M5 - 20 mm | 4 mm Hex Key | 8 Nm |
| DCDC Converter Mounting | 2 x M5 - 12 mm & M5 hex nut | 8 mm Wrench & 4 mm Hex Key | 8 Nm |
| Controller-Box mounting | 4 x M8 - 35 mm & M8 hex nut | 12 & 13 mm wrench | 20 Nm |
| Controller-Box-Frame Mounting | 3 x M8 - 16 mm & M8 hex nut | 13 mm wrench | 20 Nm |
| Controller-Connections | 5 x M6 - 20 mm | 10 mm wrench | 10 Nm |
| Horn mounting | M6 - 30 mm & M6 hex nut | 10 mm wrench | 8 Nm |

3. Handlebar & Speedometer

| Motorcycle part | Specification | Tool | Torque |
|-----------------------------|-----------------------------|-------------------|--------|
| Steering Stem Lock Nut | M20 lock nut | 30 mm hook wrench | 12 Nm |
| Steering Stem Top Nut | M20 hex cap nut | 30 mm wrench | 35 Nm |
| Lower steering head bearing | 41 - 24 - 12,5 mm | Clamping tool | - |
| Upper steering head bearing | 41 - 22,5 - 12,5 mm | Clamping tool | - |
| Handlebar mounting screws | 4 x M8 - 40 mm | 6 mm Hex Key | 25 Nm |
| Speedometer mounting | 2 x M6 hex nut | 10 mm wrench | 8 Nm |
| Instruments mounting | 2 x M6 - 20 mm | 10 mm wrench | 8 Nm |
| Left switch mounting | M5 - 30mm & M5 - 40mm | Screwdriver | 5 Nm |
| Kill Switch Switch Mounting | 2 x M4 - 40 mm | Screwdriver | 5 Nm |
| Throttle grip attachment | 2 x M5 - 20mm | Screwdriver | 5 Nm |
| 3 Speed mounting | M4 - 25 mm | 3 mm Hex Key | 4 Nm |
| Mirror mounting | 2x M10 hex nut | 17 mm wrench | 12 Nm |
| Light holder | 2 x M6 - 30 mm & M6 hex nut | 10 mm wrench | 10 Nm |
| Front headlight mounting | 2 x M8 - 16 mm | 13 mm wrench | 20 Nm |
| Brake lever mounting | 4 x M6 - 20 mm | 8 mm wrench | 10 Nm |
| Brake banjo bolts | 2 x M8 - 25 mm | 14 mm wrench | 20 Nm |

4. Front wheel & suspension

| Motorcycle part | Specification | Tool | Torque |
|-------------------------------|-----------------------------|------------------------------|--------|
| Axle nut | M12 - 220 mm & M12 cap nut | 19 mm wrench & 10 mm Hex Key | 80 Nm |
| Brake disc mounting screws | 4 x M8 - 30 mm | 6 mm Hex Key | 25 Nm |
| Brake caliper mounting screws | 2 x M8 - 35 mm | 6 mm Hex Key | 25 Nm |
| Brake pad mounting screws | 2 x M6 - 40 mm | 4 mm Hex Key | 15 Nm |
| Fork-bridge mounting (Top) | 2 x M8 - 55 mm & M8 hex nut | 12 mm wrench | 20 Nm |
| Fork-bridge mounting (bottom) | 2 x M8 - 40 mm | 6 mm Hex Key | 25 Nm |
| Turn signal attachment | 2 x M10 fine-thread hex nut | 17 mm wrench | 15 Nm |
| Fender attachment to the fork | M8 - 16 mm | 13 mm wrench | 20 Nm |
| Steering wheel lock mounting | M6 - 12 mm safety screw | Torx + Pin | 10 Nm |

5. Add-Ons

| Motorcycle part | Specification | Tool | Torque |
|-------------------------------------|----------------|--------------|--------|
| Luggage carrier holder | 2 x M8-100 mm | 6 mm Hex Key | 20 Nm |
| Off-road protection (front bracket) | 4 x M5-20 mm | 4 mm Hex Key | 8 Nm |
| Off-road protection (lower bracket) | 2 x M8 - 16 mm | 13 mm wrench | 20 Nm |
| Fork stabilizer | 4 x M8 - 20 mm | 13 mm wrench | 20 Nm |
| Front grill | 2 x M8-16 mm | 13 mm wrench | 20 Nm |
| Handlebar Risers | 4 x M8-70 mm | 6 mm Hex Key | 25 Nm |
| Lower Footrests | 2 x M8 - 55 mm | 13 mm wrench | 20 Nm |