

Technical Manual



07.001.01

**REMOVE AND INSTALL
POWERTRAIN UNIT**

STARK FUTURE



SAFETY WARNINGS

Observe your local health and safety guidelines. Ensure a safe working environment. Wear appropriate protective gear. Deviating from the prescribed order may result in injury or damage to the products.



TOOLS

- TRX 45
- TRX 30
- TRX 25
- HEX 30
- HEX 17
- ALN 10
- ALN 6
- Chain breaker
- Recipient
- Pliers



CONSUMABLES

- Lithium grease
- Drain coolant copper washer
- Master link
- Zip tie



OPERATION TIME

188 Minutes

REMOVAL



WARNING

Before proceeding with any work on the bike, make sure it is turned off and the charger disconnected.

- 1 Remove the spoiler assembly.



01.007.01

[Remove and install spoiler assembly ↗.](#)

- 2 Remove the carbon fiber spoiler assembly. Refer to:



01.021.01

[Remove and install carbon fiber spoiler assembly ↗.](#)

3 Remove the front fender. Refer to:



01.005.01

Remove and install front fender ↗.



WARNING

Please take all the necessary precautionary measures to handle high voltage components. High voltage components should only be handled by qualified personnel.



- 4 Disconnect the CAN BUS connector.
- 5 Install the protective cover onto the CAN BUS socket on the battery.
- 6 Disconnect the battery power plug.
- 7 Install the protective cover onto the power socket on the battery.
- 8 Drain the coolant. Refer to:



10.002.04

Draining and filling cooling system ↗.

9 Remove the battery. Refer to:



07.005.01

[Remove and install the battery ↗.](#)

10 Remove the forks. Refer to:



08.022.01

[Remove and install forks ↗.](#)

11 Remove the subframe. Refer to:



05.022.01

[Remove and install subframe ↗.](#)

12 Remove the shock. Refer to:



08.058.01

[Remove and install shock ↗.](#)

13 Remove the chain. Refer to:



03.011.01

Remove and install rear wheel ↗.



NOTE

Once radiator cap is untighten, coolant should start flowing from the draining hole.

14 Remove the rear brake caliper.
Refer to:



02.024.01

Remove and install rear brake caliper ↗.



NOTE

Secure the rear brake caliper onto the frame.



15 Remove the side plates. Refer to:

05.005.01

[Remove and install left side plate ↗.](#)



05.006.01

[Remove and install right side plate ↗.](#)

16 Remove the swingarm. Refer to:



05.052.01

[Remove and install swingarm ↗.](#)

17 Loosen the inverter to battery wiring harness from the holding brackets.

18 Untighten the frame to motor shaft.

19 Carefully lift the frame off the powertrain unit.



NOTE

Secure the rear brake caliper onto the frame.

INSTALLATION



WARNING

Before proceeding with any work on the bike, make sure it is turned off and the charger disconnected.

- 1 Place the powertrain unit firmly on the stand.
- 2 Place the frame over the powertrain unit and align the mounting holes.
- 3 Insert and tighten the frame to motor shaft enough to secure it in place.
Torque to spec only on step 11.
- 4 Install the side plates. Refer to:



05.005.01

[Remove and install left side plate ↗.](#)



05.006.01

[Remove and install right side plate ↗.](#)

5 Install swingarm. Refer to:



05.052.01

[Remove and install swingarm ↗.](#)



NOTE

If the bike is fitted with rear foot brake, skip steps 6 and 7.

6 Install the rear brake caliper.
Refer to:



02.024.01

[Remove and install rear brake caliper ↗.](#)

7 Install the shock. Refer to:



08.058.01

[Remove and install shock ↗.](#)

8 Install the subframe. Refer to:



05.022.01

[Remove and install subframe ↗.](#)

9 Install the forks. Refer to:



08.022.01

[Remove and install forks ↗.](#)

10 Install the battery. Refer to:



07.005.01

[Remove and install the battery ↗.](#)

11 Tighten the frame to motor shaft to **60 Nm**.

12 Filling the coolant. Refer to:



10.002.04

[Draining and filling cooling system ↗.](#)

11

07.001.01

Remove and install powertrain unit

13 Install the carbon fiber spoiler assembly. Refer to:



01.021.01

[Remove and install carbon fiber spoiler assembly ↗.](#)

14 Install the spoiler assembly.



01.007.01

[Remove and install spoiler assembly ↗.](#)

15 Install the front fender. Refer to:



01.005.01

[Remove and install front fender ↗.](#)



WARNING

Check brake operation before operating the bike.

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