

Technical Manual



**07.005.01**

**REMOVE AND INSTALL BATTERY**

**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
- HEX 13



## CONSUMABLES

Copper grease



## OPERATION TIME

30 Minutes

# REMOVAL



## WARNING

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

- 1 Disconnect the handlebar controls.  
Refer to:



06.030.07

Disconnect and reconnect handlebar controls ↗.

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



## 04.025.01

Remove and install VCU ↗.

- 9 Untighten the rear skid plate bolts.
- 10 Untighten the battery front mounting bolts.
- 11 Untighten the battery bottom and top shaft nuts.
- 12 Pull out the battery bottom shaft.



## NOTE

Step 12 require at least two people.

- 13** While one person holds the battery steady on the stand, lift the bike over the battery with the help of another person.
- 14** Untighten the remaining skid plate bolts
- 15** Separate the battery from the skid plate.

# INSTALLATION



## WARNING

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

- 1 Place the battery on the skid plate.
- 2 Tighten the skid plate side bolts to **15 Nm**.
- 3 Place the battery firmly on the center of the stand.



## NOTE

Step 4 require at least two people.

- 4 While one person holds the battery steady on the stand, lift the bike over the battery with the help of another person.
- 5 Clean and grease the battery shafts.



## NOTE

Ensure to align the battery mounting holes with the frame's.

- 6 Insert the battery top shaft.
- 7 Insert the battery bottom shaft.
- 8 Tighten the battery front mounting bolts to **40 Nm**.
- 9 Tighten the battery top shaft nut to **40 Nm**.
- 10 Tighten the battery bottom shaft nut to **40 Nm**.
- 11 Tighten the skid plate rear bolts to **15 Nm**.
- 12 Install the VCU. Refer to:



## 04.025.01

[Remove and install VCU ↗.](#)

- 13 Remove the protective cover from the power socket on the battery.
- 14 Connect the battery power plug.
- 15 Remove the protective cover from the CAN BUS socket on the battery.
- 16 Connect the CAN BUS plug.

**17** Install the carbon fiber spoiler assembly. Refer to:



**01.021.01**

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

**18** Install the spoiler assembly. Refer to:



**01.007.01**

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

**19** Install the front fender. Refer to:



**01.005.01**

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



## **WARNING**

Turn ON the bike and connect to the Stark phone to check battery status and that the bike is operating normally after battery replacement.



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