

Technical Manual



**07.001.08**

**POWERTRAIN GEN 1  
TO GEN 2 CONVERSION**

**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 filing 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 charging port  
(no longer needed).



**04.001.01**

[Remove and install charging port ↗.](#)

**12** Remove the subframe. Refer to:



**05.022.01**

[Remove and install subframe ↗.](#)

**13** Remove the shock. Refer to:



**08.058.01**

[Remove and install shock ↗.](#)

**14** Remove the chain. Refer to:



**03.011.01**

[Remove and install chain ↗.](#)

**15** 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.

**16** Remove the side plates. Refer to:



**05.005.01**

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



**05.006.01**

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

**17** Remove the swingarm. Refer to:



**05.052.01**

[Remove and install swingarm ↗.](#)

**18** Remove the wiring harness and wiring harness bracket from the bike.

**19** Untighten the frame to motor shaft.

**20** Carefully lift the frame off the powertrain unit.



## **NOTE**

Ensure the powertrain unit is secured on the stand.



# INSTALLATION



## WARNING

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

- 1 Replace the wiring harness bracket from the main frame rail for the new one provided.
- 2 Torque wiring harness bracket bolts to **5Nm**.
- 3 Place the powertrain unit firmly on the stand.
- 4 Place the frame over the powertrain unit and align the mounting holes.
- 5 Insert and tighten the frame to motor shaft enough to secure it in place. Torque to spec only on step 13.
- 6 Install the side plates. Refer to:



### 05.005.01

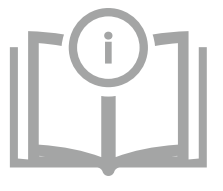
[Remove and install left side plate ↗.](#)



### 05.006.01

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

**7** Install swingarm. Refer to:



**05.052.01**

[Remove and install swingarm ↗.](#)

**8** Install the rear brake caliper.  
Refer to:



**02.024.01**

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

**9** Install the shock. Refer to:



**08.058.01**

[Remove and install shock ↗.](#)

**10** Install the subframe. Refer to:



**05.022.01**

[Remove and install subframe ↗.](#)

## **10**

**11** Install the forks. Refer to:



**08.022.01**

[Remove and install forks ↗.](#)

**12** Install the battery. Refer to:



**07.005.01**

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

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

**14** Make sure the main wiring harness has been replaced for the new one provided.

**15** Filling the coolant. Refer to:



**10.002.04**

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

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



**01.021.01**

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

**17** Install the spoiler assembly.



**01.007.01**

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

**18** 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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