

"30" - Communication failed

Error code	Cause	Result
30	Communicate failed.	The display shows the error code 30 and the motor cannot work.

Component Description

The display provides battery voltage, speed display, riding status, lamp status, etc., and can also display the fault conditions of various electrical components of the pedelec.

Component Location

The display is installed on the handlebar.

Conditions for Running the Diagnostics

After the system is turned on, the diagnosis runs continuously.

Error Phenomenon

The display shows the error code 30 and the motor cannot work.

Conditions for Clearing the Error Code

After the diagnosis runs and passes, the system works normally.

Troubleshooting

Step 1 Check all connectors on the pedelec.

Check the cables and the connectors for the following conditions:

Inspect the control harness and accelerator pedal connector pins for the following:

- Loose connector
- Corroded pins
- Bent or broken pins
- Dirt or debris in or on the connector pins
- Wire insulation damage
- Connector shell broken

Specification	Solution
Correctly connected.	Go to step 2.
A damaged connection has been detected in the harness connector.	Clean the connector and pins. Repair the damaged harness, connector, or pins, if possible. Then go to step 5.

Step 2 Connect the pedelec to the BESST and use BESST to diagnose.

Specification	Solution
Find the problem.	Repair according to the problem. Then go to step 5.
Didn't find the problem.	Go to step 3.

Step 3 Replace the display.

Specification	Solution
The system returns to normal.	Go to step 5.
The system doesn't return to normal.	Go to step 4.

Step 4 Replace the EB-BUS.

Step 5 Clear the error code

Conditions: Connect all components, Turn on the system.

Specification	Solution
Error code 30 is inactive.	Repair complete.
Error code 30 is active.	Return to the step 1 or contact BAFANG if all steps have been completed and checked again.