2.4.2EN Center Motor M16

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	M16C	M16GT
Performance (nom./max.)	250W/390W	250W/390W
Torque (nom./max.)	22Nm/50Nm	22Nm/55Nm
Max. Speed	25km/h	25km/h
Weight	3.86kg	3.86kg
Noise Level	<69db	<69dB
Sensor	RPM	RPM
Efficiency	77%	77%
Coaster Break	Yes	No
Protection Level	IPX5	IPX5
CAN BUS	Yes	Yes
Integrated Controller	Yes	Yes

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Please note: For your own safety, make sure to always cut off electricity by removing the battery BEFORE you start working on electric bicycles!

1. Diagnosis with installed DP-16

A diagnosis of the motor can be performed via display or PC. If you use your PC, you will need the USB-Link (a USB cable that is available at JD Europe) and the LogiX PC Software. You can download the PC software from our homepage in the designated dealer area.

Diagnosis via Display

Turn on the display

Now hold the key…

…until the display changes.

Change pages with the key

The menu item SPD has two pages:

1. Page 1
2. Residual capacity of the battery
3. Voltage: here 41 V

1. Page 2
2. Current in deciampere
   Here: 6.4 A

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ODO page

1. This value is only relevant for production

DST page

1. Command controller to motor
2. Command motor to controller

➔ *Both values must rise during motion*

RANGE page

1. Crank direction
   1 during forward motion
   2 during backward movement

   The crank sensor has a defect if the number „2“ doesn’t appear.

2. RPM value
   This value must increase dependent upon the cadence.
   If it doesn’t increase, the RPM sensor is broken.

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2. Diagnosis via DP-15

The DP-15 diagnosis is performed via the LogiX diagnosis software. You can download the software from our homepage in the designated dealer portal. Install the software and connect the display through a mini-USB with your PC.

3. Software Update

To perform a software update, you will need the LogiX PC software that is available for download on our hompeage.

The USB Link (pictured), which can be purchased at JD Europe, is needed for **DP-16.**

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4. Assembly & Disassembly

1. To begin with, remove the crankset on both sides.

2. Now remove the 4 Phillips screws (M3) of the motor cover…

3. …and the 5 Allen screws (M4 x 6) in order to remove the chainring.
Pay attention to the tightening torque of 7 Nm during assembly!

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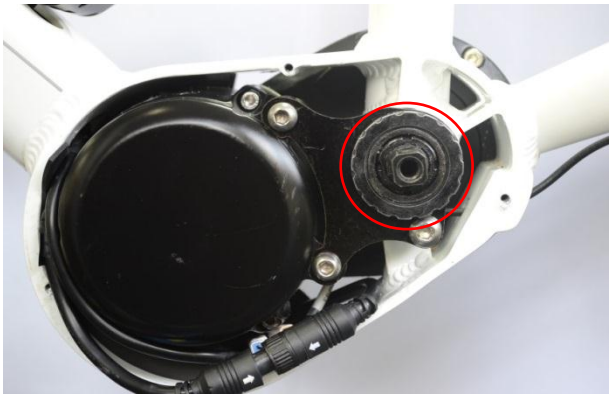
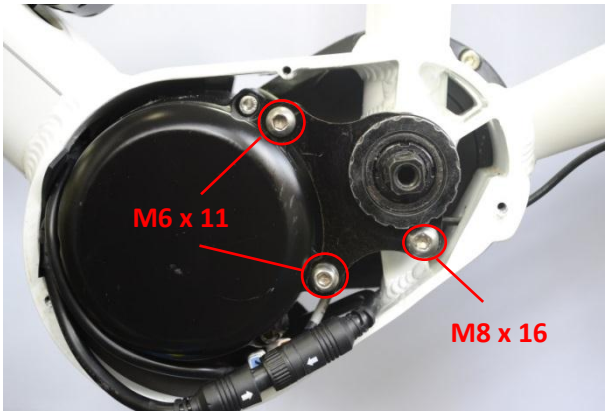
4. Loosen the bottom bracket cap.
Pay attention to the tightening torque of 40 Nm during assembly!



5. Loosen the mounting plate of the motor.
During assembly, tighten the 3 Allen screws with 13 Nm.



6. Now remove the cable connections.
The motor cable is bolted.

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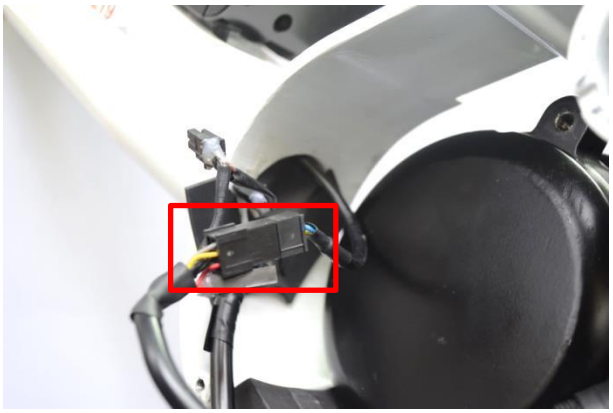
7. Pull out the motor somewhat.

8. Now you can carefully pull out the display cable from the inside and separate the plug connections.



9. The motor can now be removed and replaced . Then mount it in reversed order. **Pay attention to the torques!**

Torque Overview:

Component	Fixation	Torque [Nm]	Dimension Thread x Length [mm]
Motor M16	Hollowtech 2 Screw	40	M32
	Mounting Plate	13	1 time Allen key M7 x 10
			2 time Allen key M7 x 12
	Chainring Screws	7-9	Allen key M5 x 8