

## IDENTIFICATION - DATA - TIGHTENING TORQUES : ELECTRIC POWER STEERING

### 1. Steering column

#### 1.1. Identification

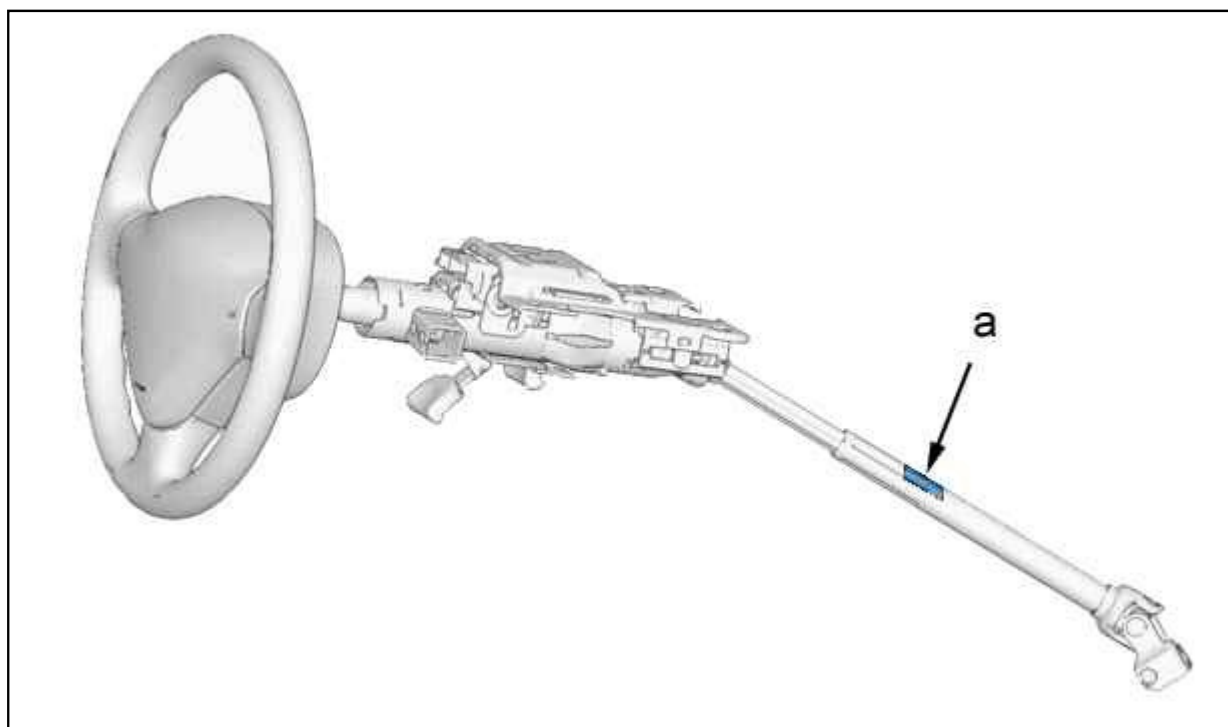


Figure : B3EP18UD

Product identification label ( as "a" ) :

- left-hand drive : Black edge
- right-hand drive : Yellow edge

#### 1.2. Tightening torques

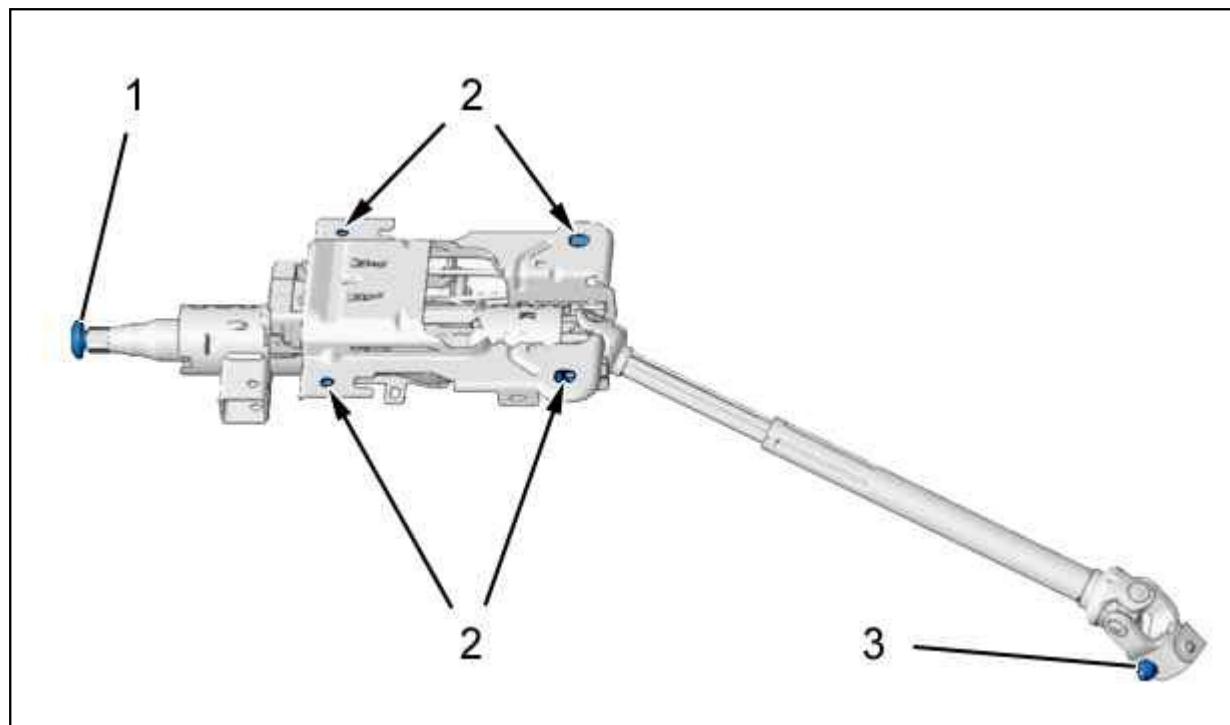


Figure : B3EP18VD

Reference	Designation	Tightening torque
(1)	Steering wheel fixing	3,3 daNm
(2)	Steering column on support fixing	2,2 daNm
(3)	Steering universal joint fixing	2,2 daNm

## 2. Steering mechanism

### 2.1. Data

Electric motor	80 (A)
Steering rack travel	2 x 72 mm
Reduction ratio	1/49,38
Number of revolutions of the steering wheel	2,9

### 2.2. Tightening torques

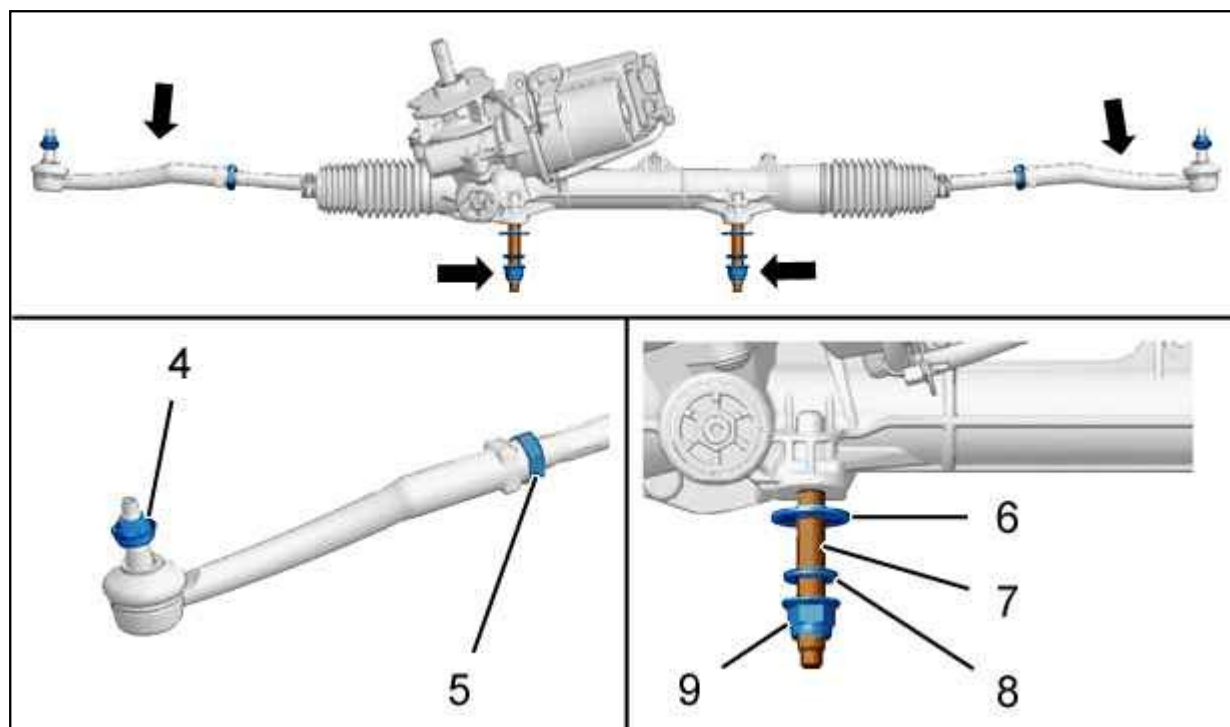


Figure : B3EP18WD

Reference	Designation	Tightening torque
(4)	Ball-joint on pivot fixing	3,5 daNm
(5)	Steering rod adjustment locknut	7,5 daNm
(6)	Toothed washers	-
(7)	Stud	0,8 daNm
(8)	flat washers	-
(9)	Fixing mechanism to sub-frame (NYLSTOP nuts ) (*)	10 daNm
(*) Always replace		

### 3. Power steering ( make : KOYO)

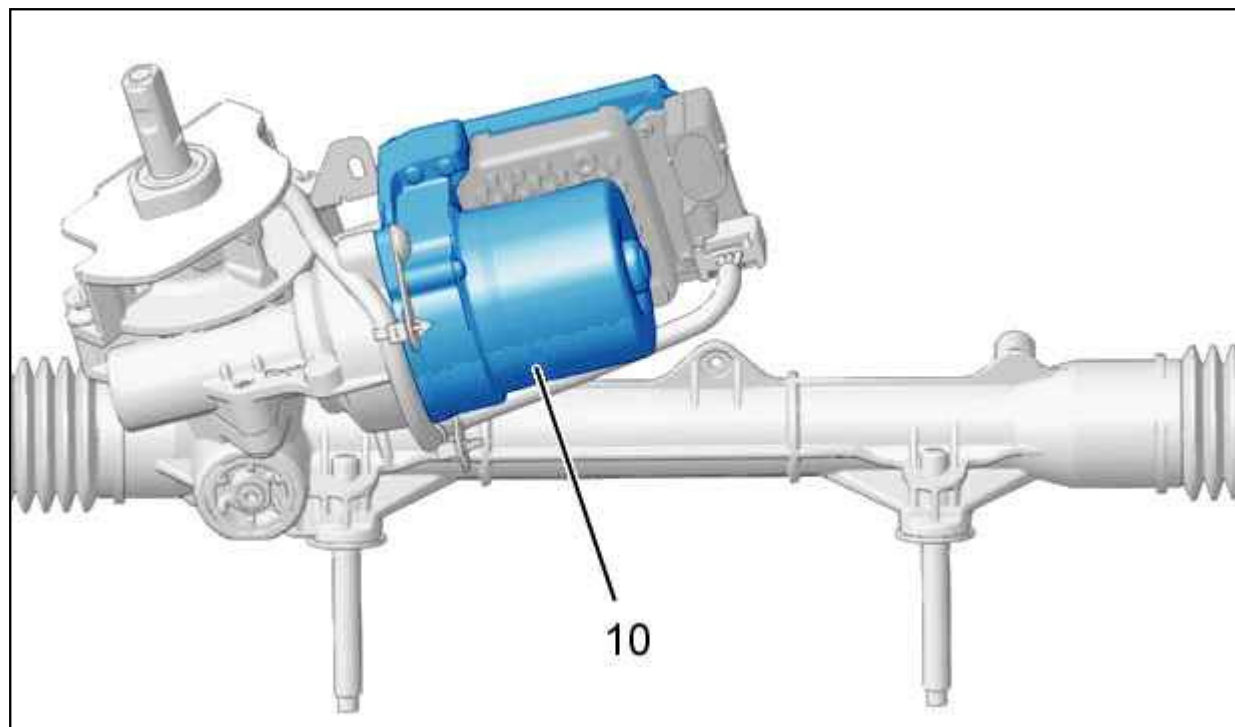


Figure : B3EP18XD

The steering assistance is obtained by the assistance electric motor (10) controlled by an ECU .  
The current supplied to the assistance electric motor (10) depends on the following elements :

- Vehicle speed
- Torque applied to the steering wheel

#### **4. Electric power steering ECU**

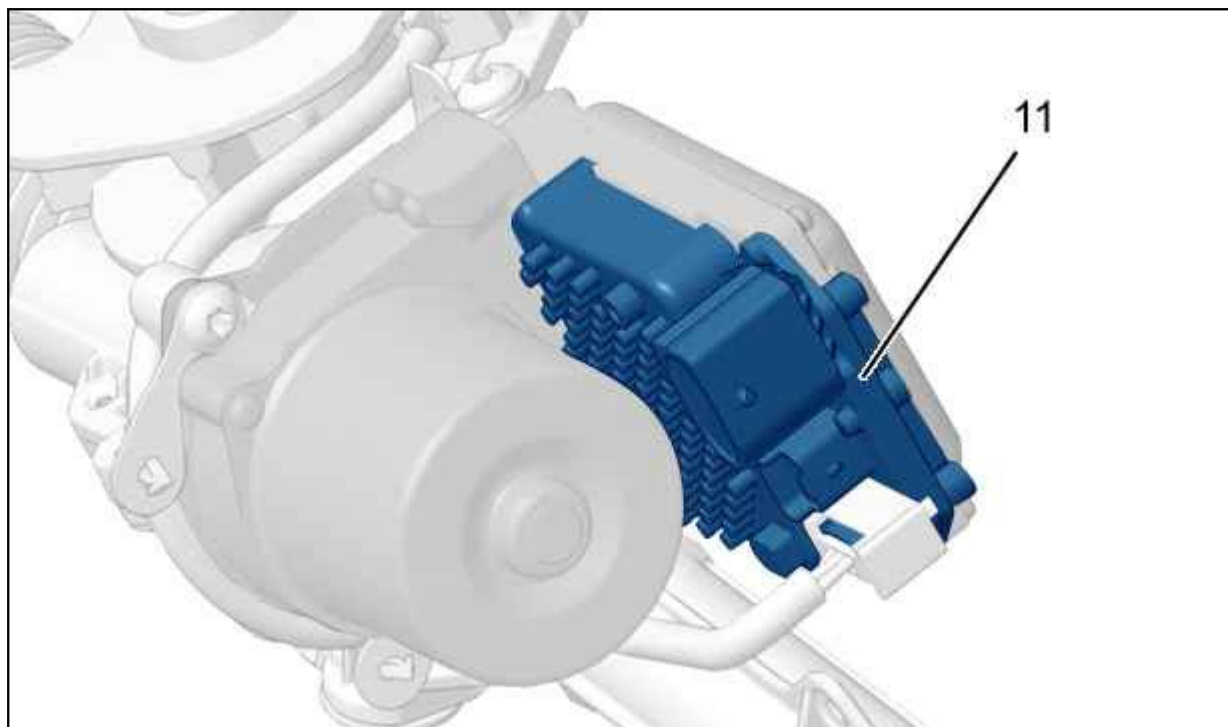


Figure : B3EP18YD

The electric power steering ECU (11) is incorporated in the steering mechanism .  
The calibration of the ECU is adapted to the engines and the pneumatic systems fitted.

**N.B. :** Configure after replacing the electric power steering ECU .

## 5. ESP/electric power steering coupling system (ssp)

**Presentation of the device** ⓘ ('SSP).