

IDENTIFICATION - DATA - TIGHTENING TORQUES : ELECTRIC POWER STEERING

1. Steering column

1.1. Identification

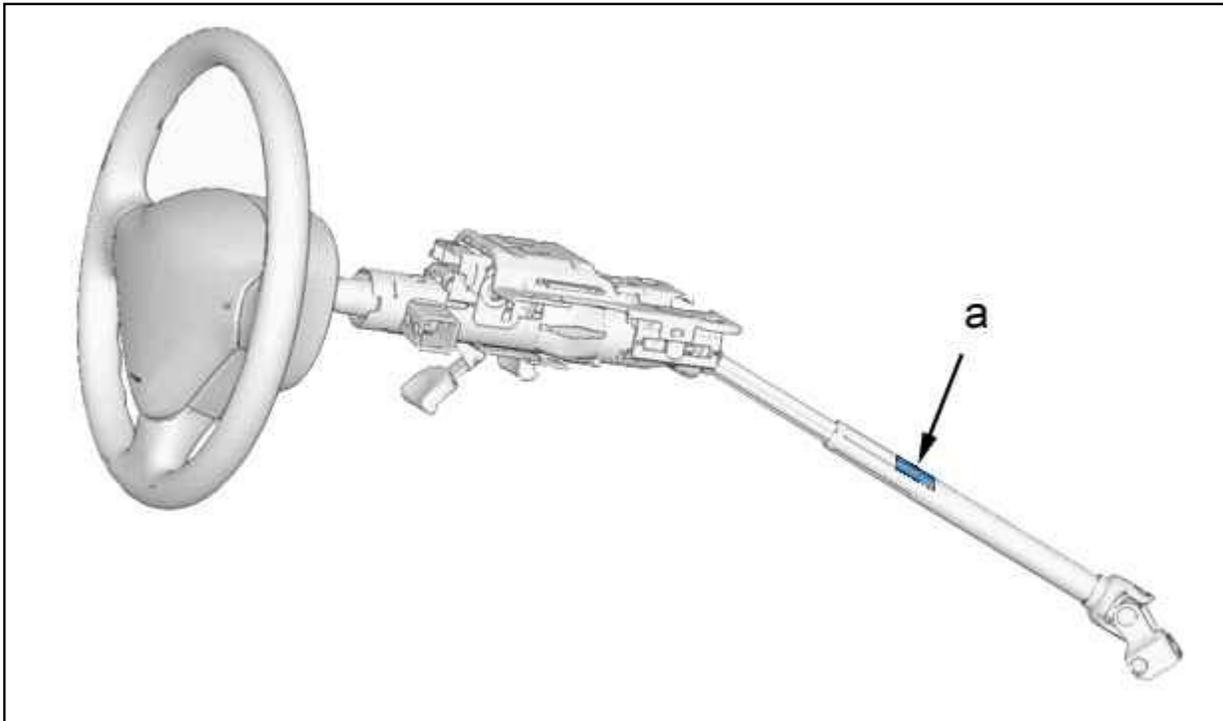


Figure : B3EP18UD

Product identification label (as "a") :

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

1.2. Tightening torques

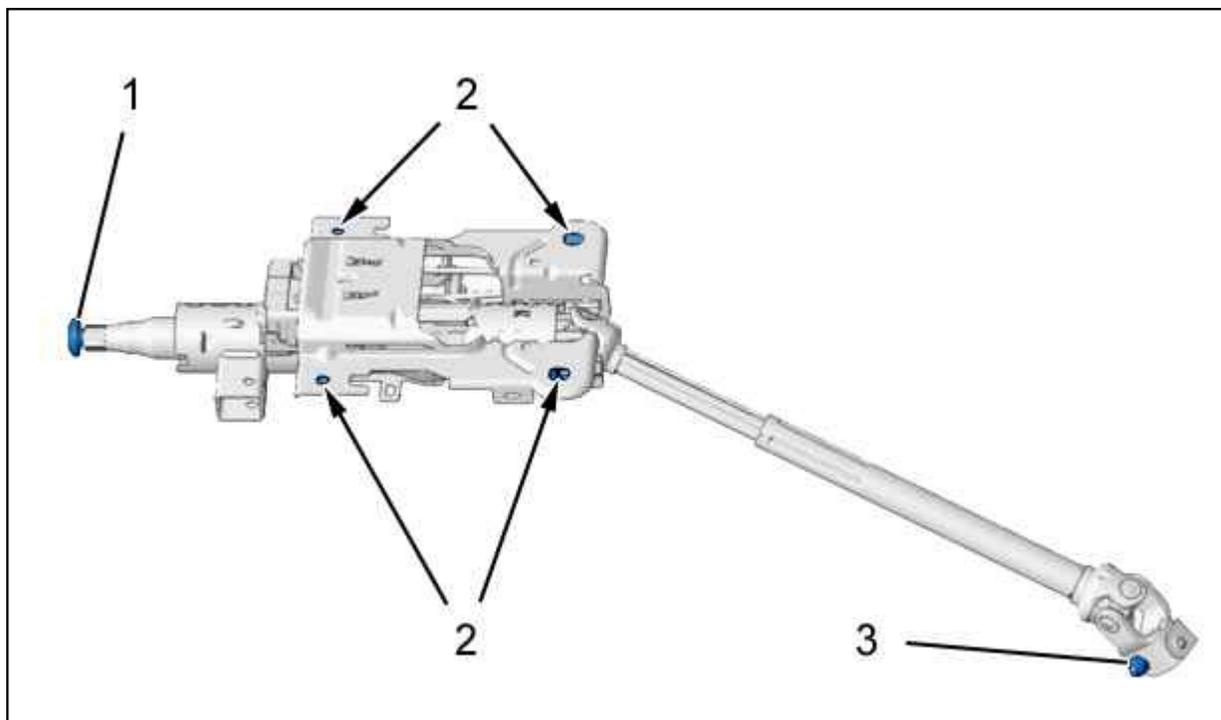


Figure : B3EP18VD

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

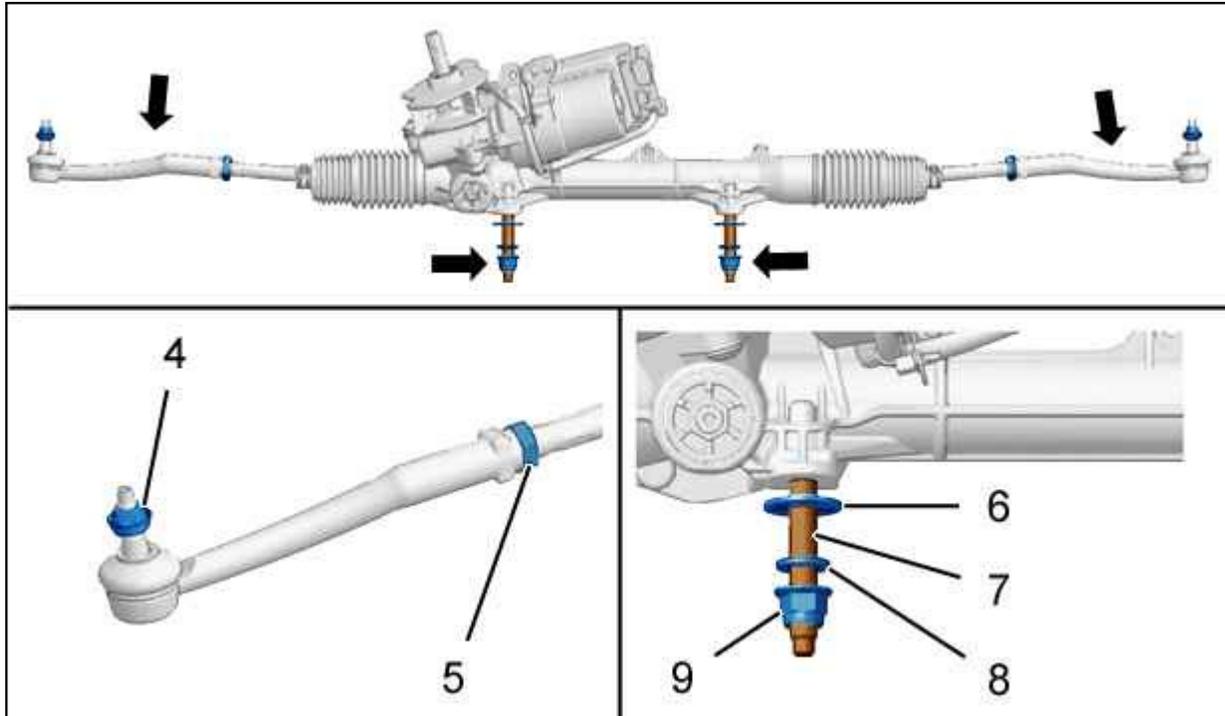


Figure : B3EP18WD

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)

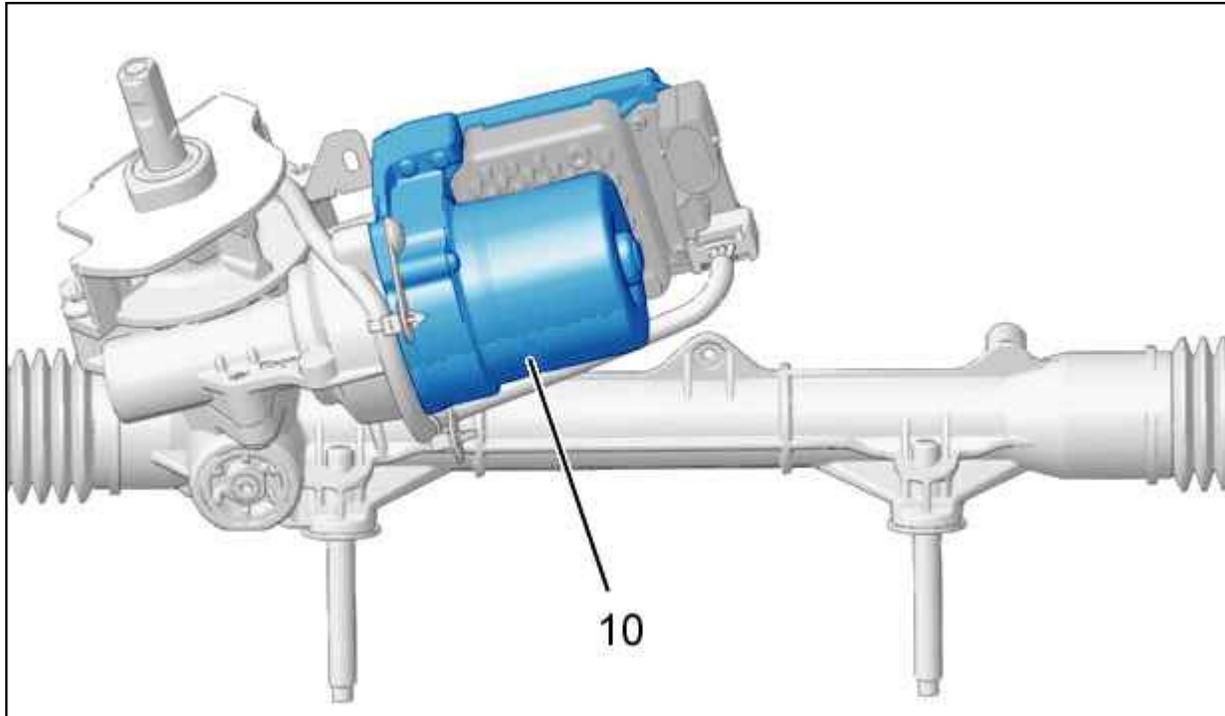


Figure : B3EP18XD

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

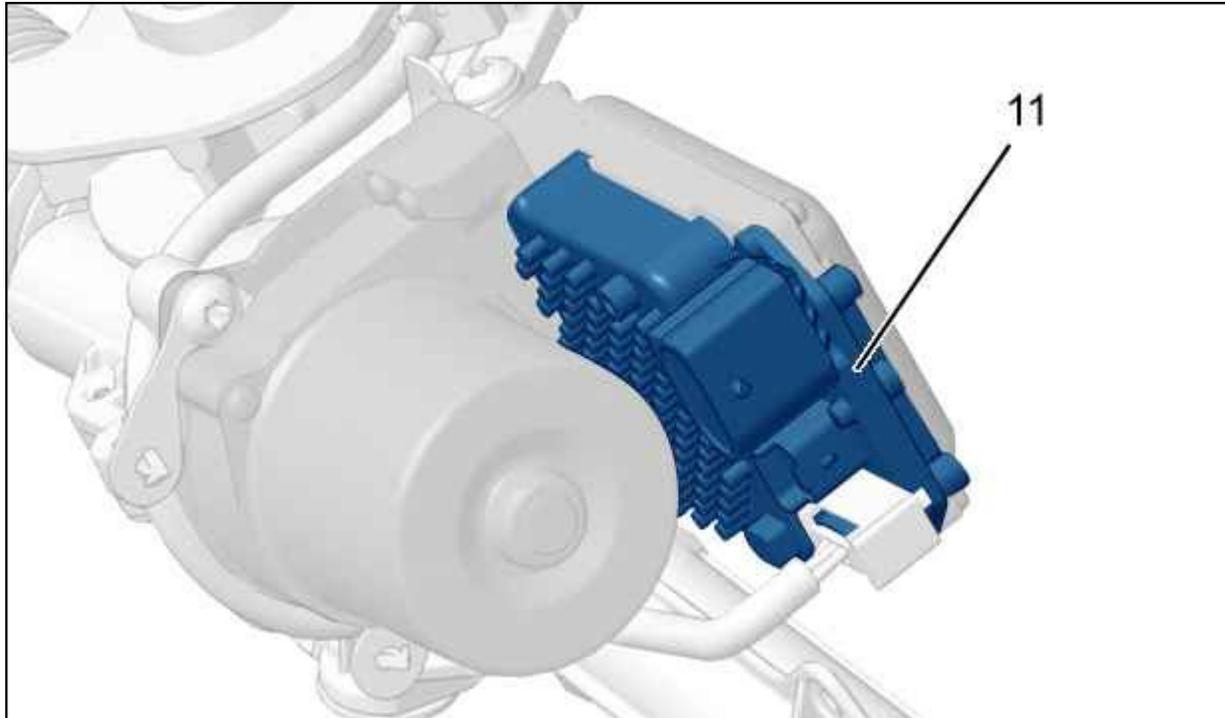


Figure : B3EP18YD

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).