

Brand: VALEO

Product name - Model name : COM EVO CEM00

FCC - ISED regulatory notices

This device complies with part 15 of the FCC rules and Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1). this device may not cause Harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY VALEO SCHALTER UND SENSOREN COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

MPERATIVE: Respect the safety and cleanliness instructions.

Legend: **Symbolization of operations.**

WARNING: Before any intervention: Position the wheels in a straight line.

WARNING: For any intervention involving uncoupling between the steering wheel and the wheels (steering wheel, control module under steering wheel, column, rack ...), ensure the setting of the rotary switch of the control module under the steering wheel of management.

WARNING: The disconnection of the connectors must be done without exerting stress on the electrical harnesses and the connectors (no traction on the harness is allowed).

1. Implantation

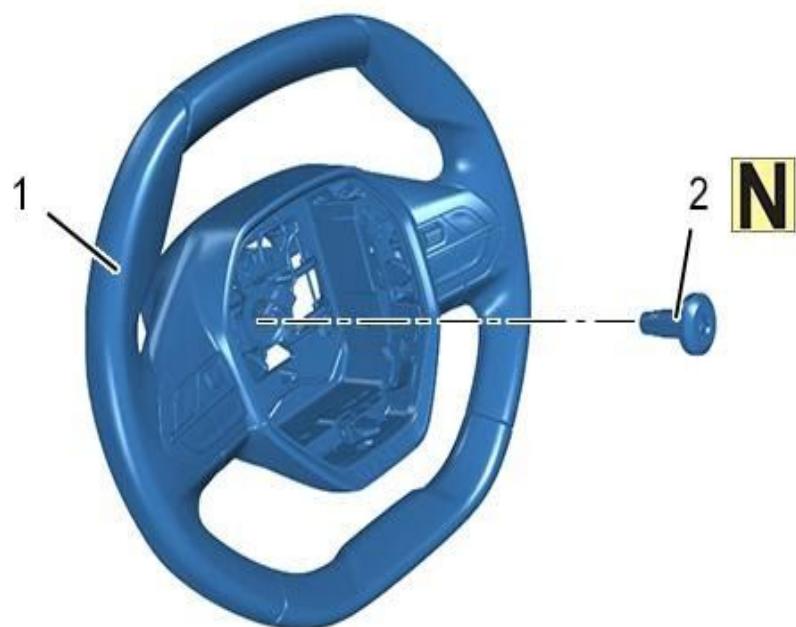


Figure : B3EG10UP



Finds	Designation	Quantity
(1)	Steering wheel	1
(2)	Steering wheel bolt	1 (N)
(N) Replace systematically		

2. Preliminary operations

Disconnect the service battery.

Remove the driver airbag.

3. Removal

CAUTION: WHEN PASSING THE HORN AND AIR BAG CONNECTORS THROUGH THE STEERING WHEEL LIGHT; NO TRACTION OR OTHER STRESS IS ALLOWED ON ELECTRICAL HARNESSSES AND CONNECTORS.

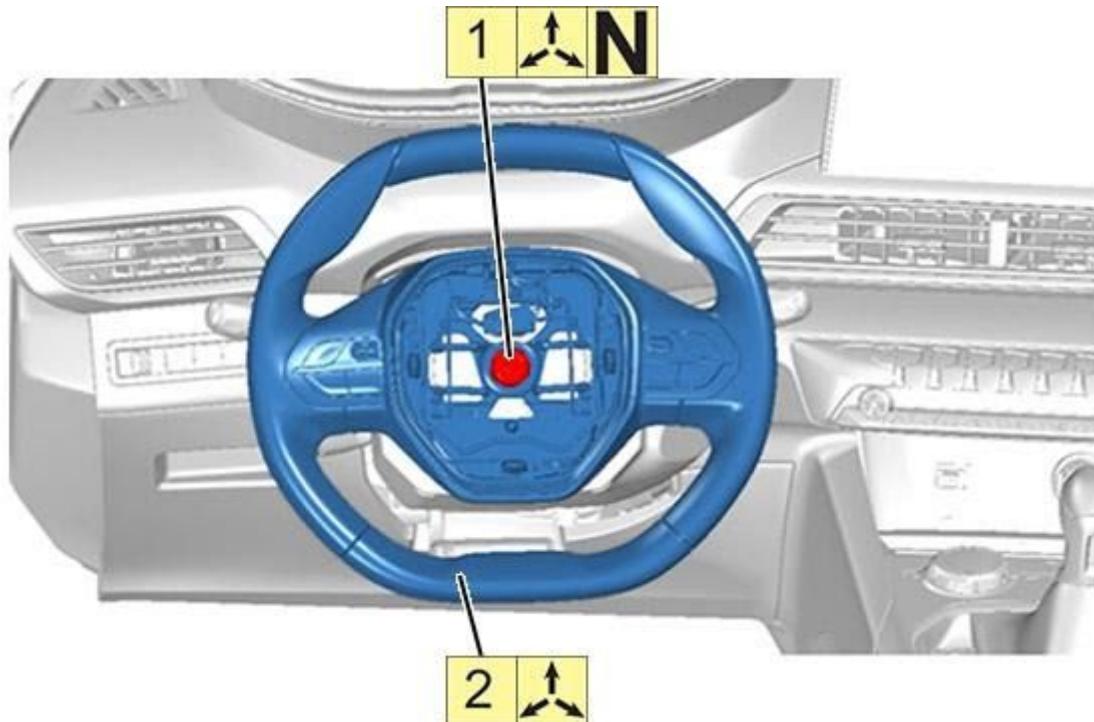


Figure : B3EG0Y5D



4. Rest

Proceed in the reverse order of removal.

CAUTION: Position the wheels in a straight line.

WARNING: Pass the warning and air bag connectors in the steering wheel light; Do not pull excessively on the connectors; Do not bend the electrical harnesses (curvature to be respected).

CAUTION: Replace the screw (2) systematically with a new screw.

NOTE: Perform steering angle sensor calibration; Using the diagnostic tool (if necessary).

ATTENTION: Observe the tightening torques.

Tightening torque: Interior.

5. Complementary operations

Refit the driver airbag.

Reconnect the service battery.

Check the operation of the different equipment.

IMPERATIVE: Respect the safety and cleanliness instructions.

Legend: Symbolization of operations.

WARNING: Before any intervention: Position the wheels in a straight line.

WARNING: For any intervention involving uncoupling between the steering wheel and the wheels (steering wheel, steering wheel controls, steering column, steering rack, ...), ensure the setting of the rotary switch of the steering wheel controls of management.

CAUTION: When disconnecting, be sure to unlock the connectors; When connecting, make sure that the electrical harness is routed and clamped.

WARNING: The disconnection of the connectors must be done without exerting stress on the electrical harnesses and the connectors (no traction on the harness is allowed).

1. Implantation

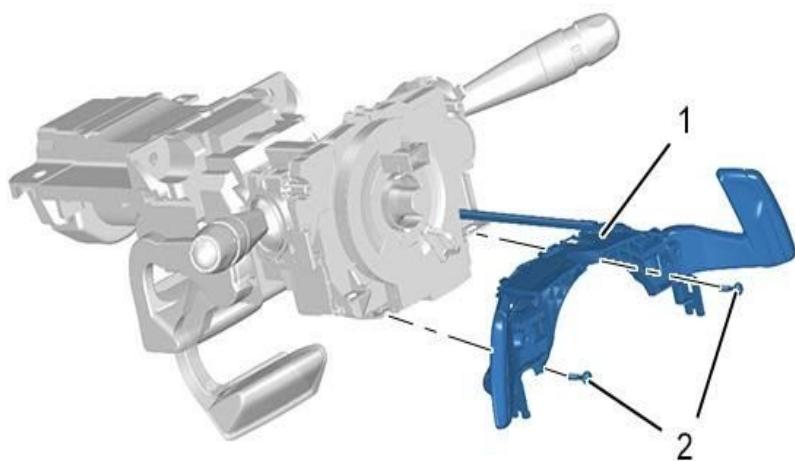


Figure : B3EG0YYP

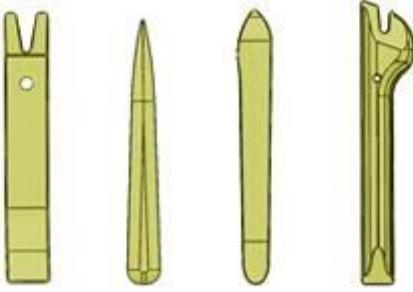


Finds	Designation	Quantity
(1)	Steering wheel gear paddles	1
(2)	Screw	2

2. Tool

Tool	Reference	Designation
[1350-ZZ]	[1350-ZZ]	Stripping tools

Figure : E5AG02MT



3. Preliminary operations

NOTE: The operation is the same for a right or left direction.

Disconnect the service battery.

Remove the steering wheel.

4. Deposit

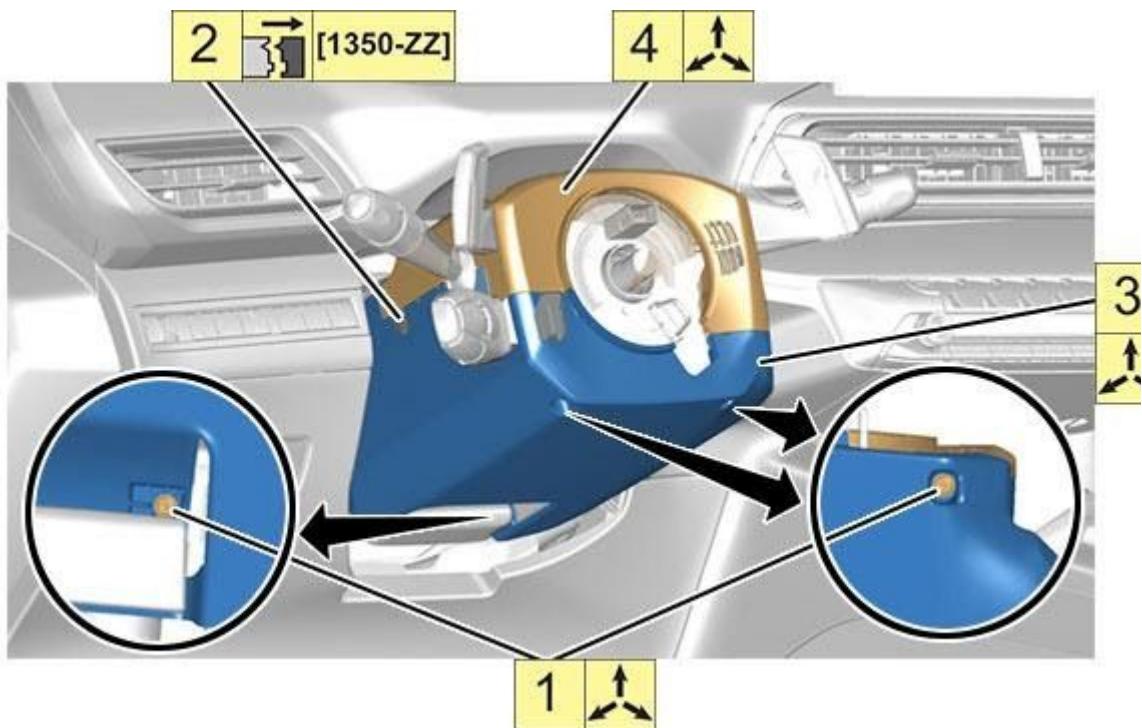


Figure : B3EG0YZD

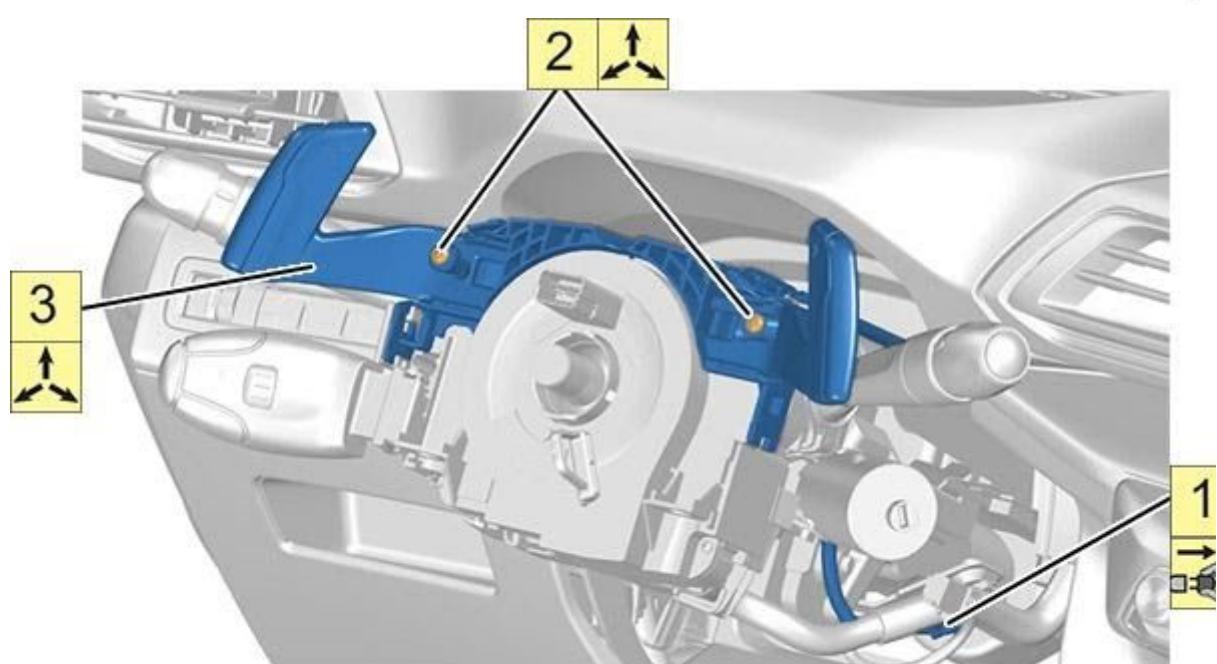


Figure : B3EG0Z0D

5. Rest

Proceed in the reverse order of removal.

6. Complementary operations

Refit the steering wheel.

Reconnect the service battery.

Check the operation of the different equipment.

IMPERATIVE: Respect the safety and cleanliness instructions.

Legend: **Symbolization of operations.**

WARNING: Before any intervention: Position the wheels in a straight line.

WARNING: For any intervention involving uncoupling between the steering wheel and the wheels (steering wheel, steering wheel controls, steering column, steering rack, ...), ensure the setting of the rotary switch of the steering wheel controls of management.

CAUTION: When disconnecting, be sure to unlock the connectors; At the connection, make sure that the beams are properly routed and clamped.

WARNING: The disconnection of the connectors must be done without exerting stress on the electrical harnesses and the connectors (No traction on the beams is allowed).

1. Implantation

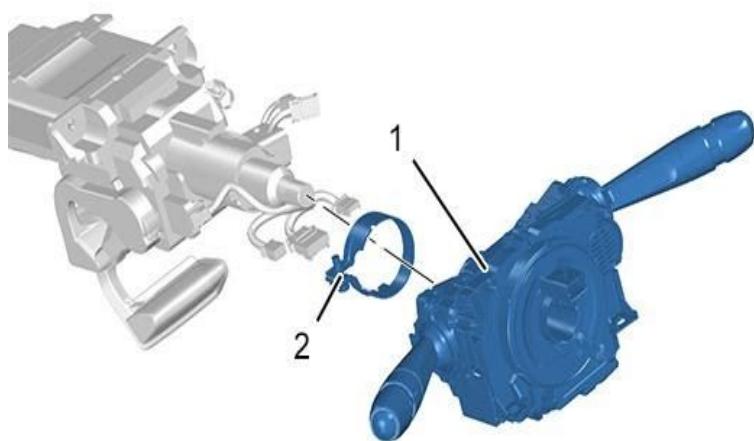


Figure : B3EG0Z1P



Finds	Designation	Quantity
(1)	Steering Wheel Controls	1
(2)	Fixing collar	1

2. Tool

Tool	Reference	Designation
[1350-ZZ]	[1350-ZZ]	Stripping tools

Figure : E5AG02MT

3. Preliminary operations

NOTE: The operation is the same for a right or left direction.

Disconnect the service battery.

Deposit:

- **The steering wheel**
- **Steering wheel speed controls (if equipped)**

4. Deposit

CAUTION: The lock tabs on the steering wheel controls must not be damaged or broken.

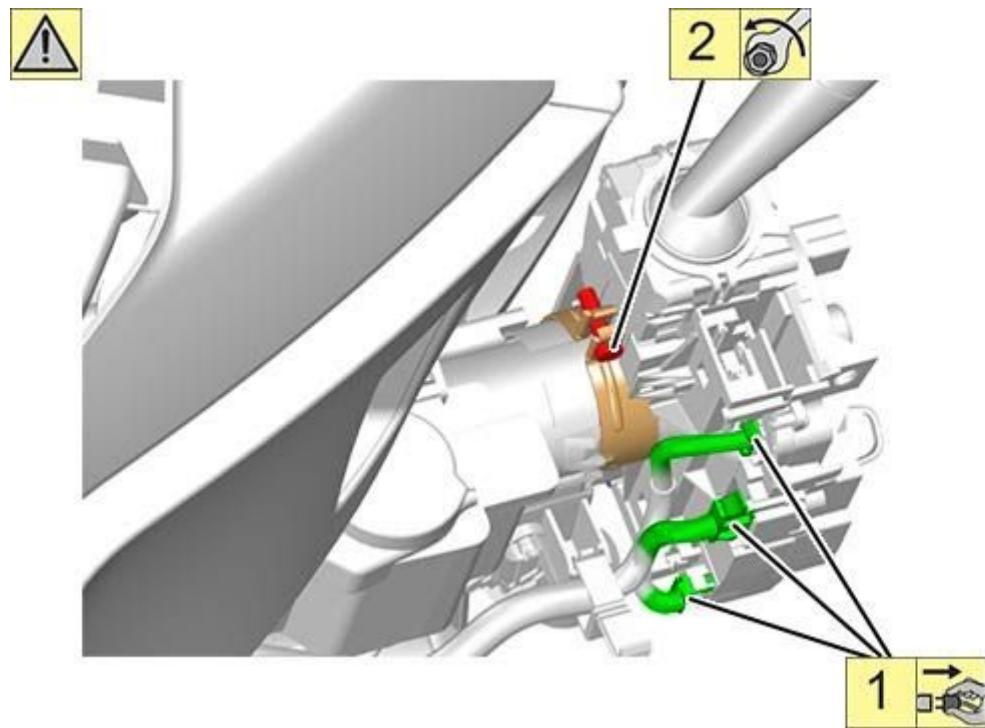


Figure : B3EG0Z2D

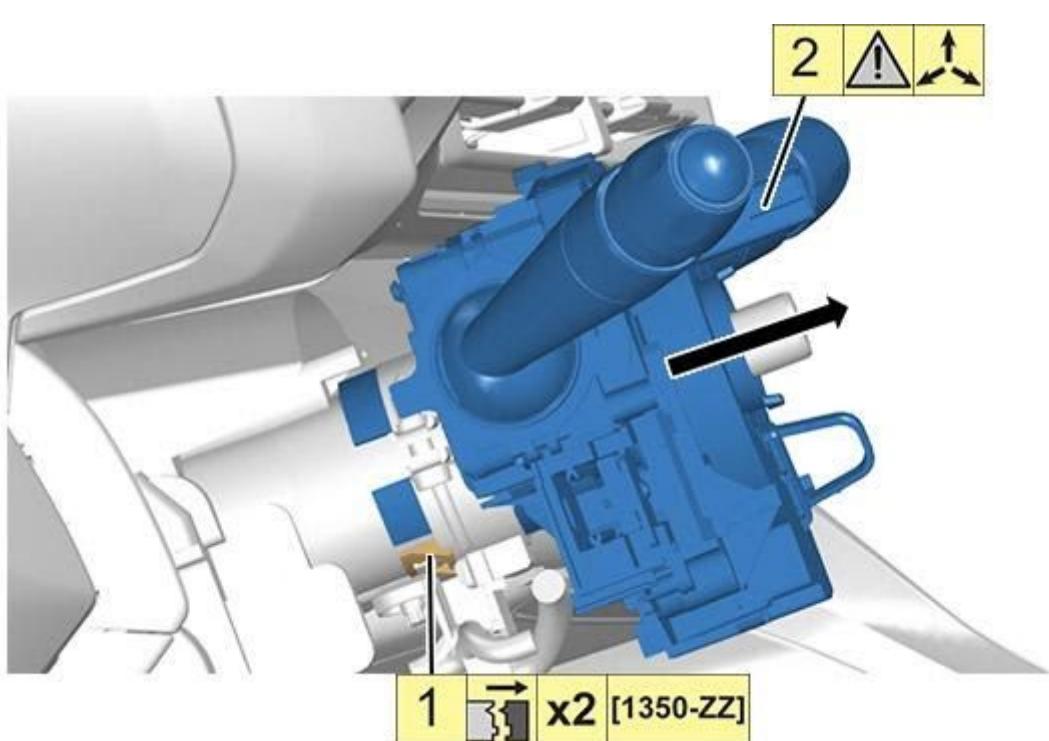


Figure : B3EG0Z3D

5. Rests

WARNING: ADJUST THE ROTARY SWITCH BEFORE RESTING THE STEERING WHEEL CONTROLS.

5.1. Steering wheel controls (new)

The rotary switch of the controls under new steering wheel does not need to be adjusted.

Remove the lock.

5.2. Recuperated steering wheel controls

Search point 0:

- Press the center of the rotary switch
- Turn to the stop clockwise
- Turn the ignition switch 2.5 turns anticlockwise

NOTE: Do not force when the stop is reached.

Check the alignment of the notch with the index finger.

CAUTION: Never turn anticlockwise before going to the stop, this irreparably damages the rotating switch tape.

6. Common Operations

CAUTION: Position the wheels in a straight line.

Perform the following checks:

- Locking lances of the connectors must not be broken
- The electrical harnesses of the controls under steering wheel must not be damaged

Set up all the controls under steering wheel on the steering column by presenting it with the horizontal levers.

Clipper the controls under steering wheel.

Steering wheel controls should be centered on the steering column to avoid amplifying noise.

Connect the connectors.

CAUTION: Do not pull excessively on the connectors; Do not bend bundles (curvature to be respected); Take every precaution not to hurt the bundles (Do not twist the overmolded bundles).

Proceed in the reverse order of removal.

7. Complementary operations

Rest :

- **Steering wheel speed controls (if equipped)**
- **The steering wheel**

Reconnect the service battery.

Check the operation of the different equipment.

8. Vehicles equipped with ESP (Electronic Stability Program)

Calibrate the steering angle sensor; Using a diagnostic tool.

To carry out this operation, select the "Anti-lock wheels (ABS / ESP)" menu.