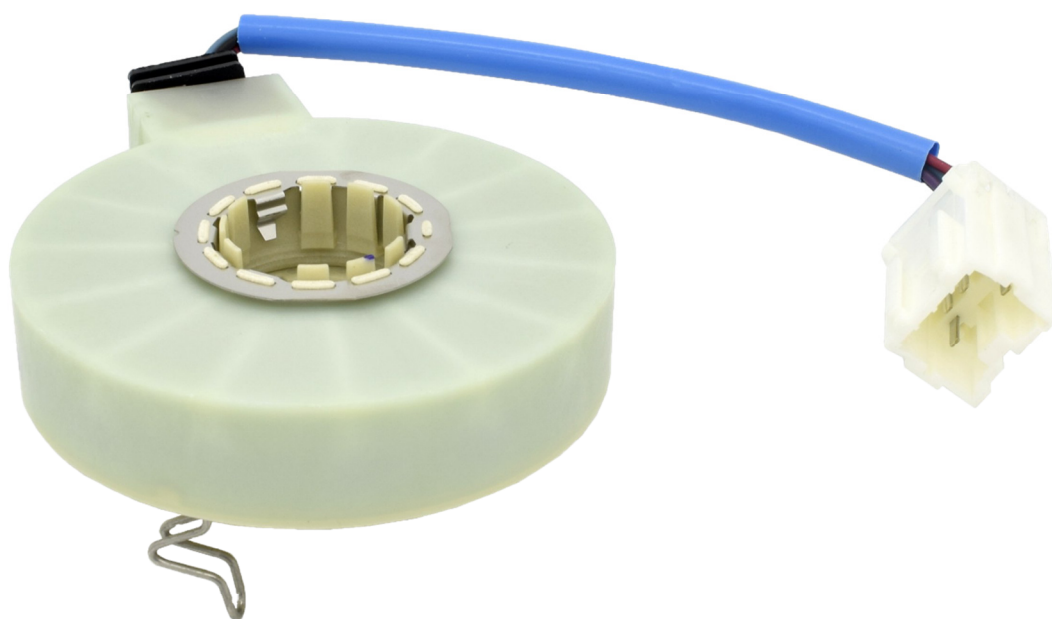




**automotive
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STEERING ANGLE SENSORS WITH CABLE REPLACEMENT PROCEDURE - 450003

INTRODUCTION

Shown below, you can find the procedure that you must follow to replace steering angle sensors with cable for the first version of FIAT PUNTO 188

INSTALLATION INSTRUCTIONS

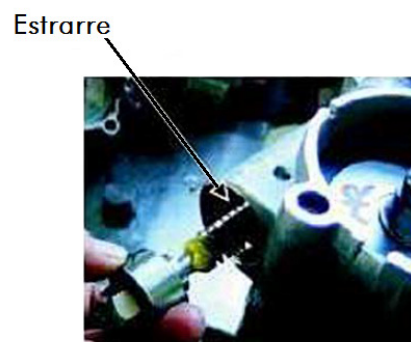
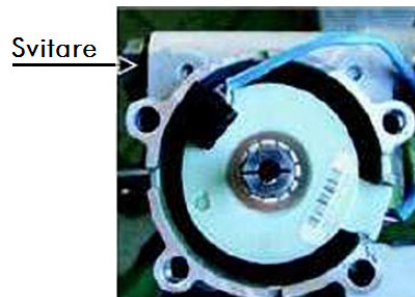
You can replace all sensors, only if vehicle wheels are centered.

Steps:

- 1) Steering angle sensors with blue sheath now is not available. Replace it with the new version. It is necessary to turn back the support shaft because they have two different diameters (25.5 mm vs 24.3 mm of the new version).

After the removal of the sensor, take apart support shaft.

Unscrew the endless screw and extract it.



- 2) Turn upside down the EPS and fix the sensor with a \varnothing 8mm nut, without deforming it.

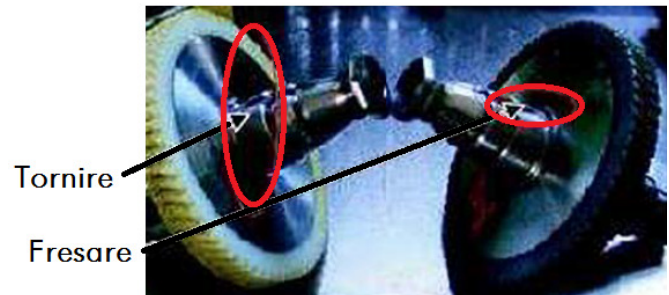
Unscrew tightening nut



3) In the next step, put upwards the self-locking part of the nut and pay attention to its enclose.



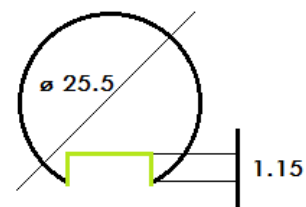
4) Turning the support shaft to 24.3 mm and then reactivate the original depth of the hollow



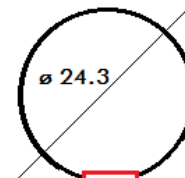
5) After the turning, the dimension of the sensori will be smaller. It is necessary to mill the groove in depth up to at least 1.15mm

Attention. You can mill more than 1.15 mm, but you can't mill less than 1.15 mm

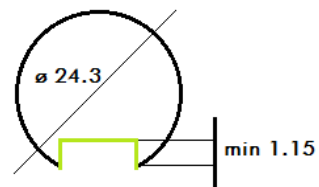
Before turning



Wrong turning



Correct turning



6) You can reassemble the product