



C2R2 MAX

Version 02 – 2 April 2009

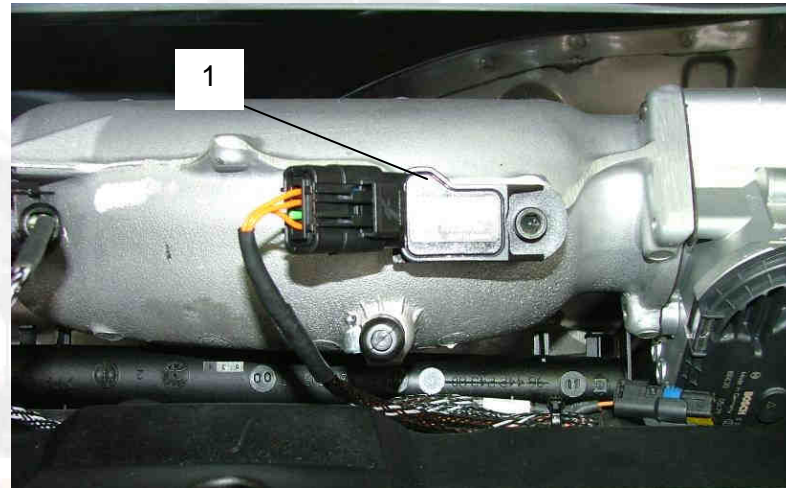
A37

SENSORS

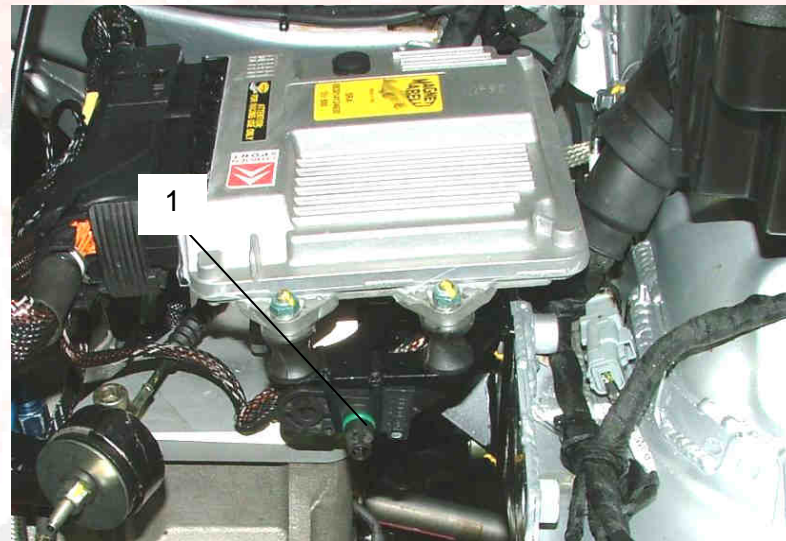




The intake pressure sensor (*ref. 1*) is in its original position, on the intake plenum.

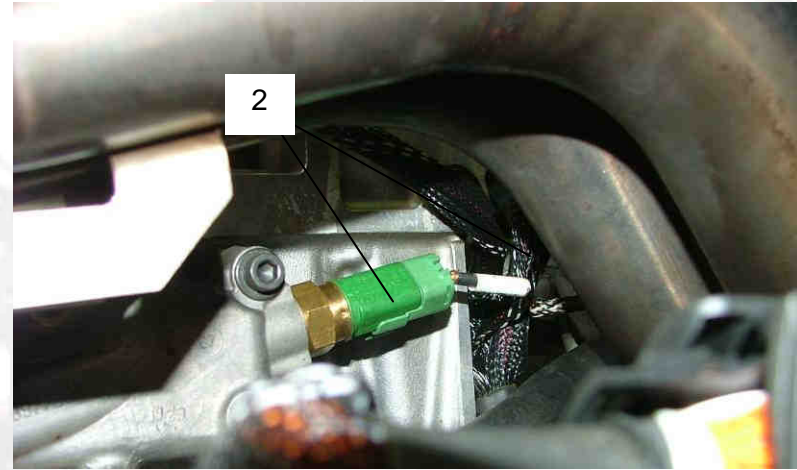


Fit the air pressure and temperature sensor (*ref. 1*) on the gear box mount, using a rilsan.

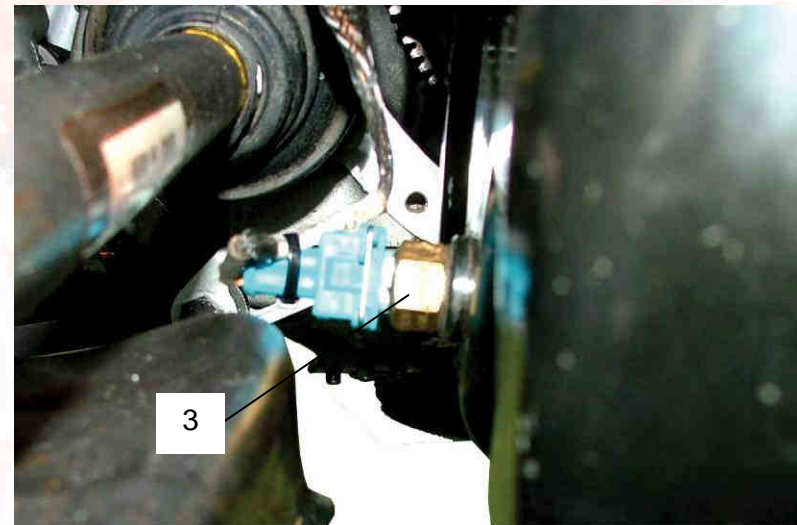




Fit the water temperature sensor ([ref. 2](#)) onto the cylinder head water outlet manifold and connect it to the engine bundle.



Fit the engine oil temperature sensor ([ref. 3](#)) onto the oil pan and connect it to the engine bundle.





Fit the engine oil pressure sensor (*ref. 4*) onto its adapter, mounted on the engine block.



Fuel pressure sensor assembly.

Reuse the quick coupling cut during the preparation of the cylinder head degassing hose (chapter A15 “Lubrication”, page 7).

N.B.: if you have lost the coupling, here is the reference to order the complete hose:

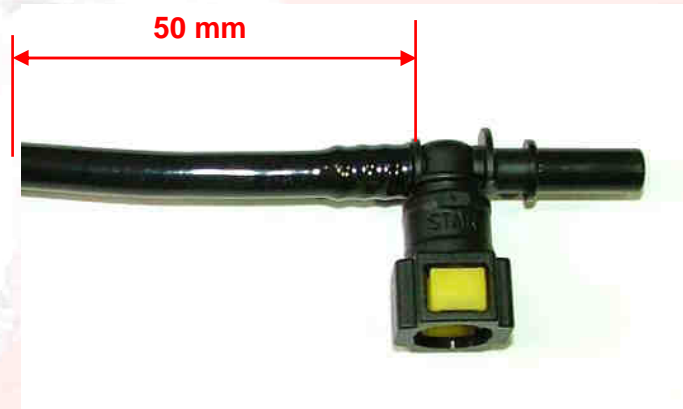
BCSP1192W0



Cut the hose to obtain the length shown in the photo opposite.



Part to be reused



Screw the “fir-tree” connector (chapter A23 “Injection”, page 2) onto the sensor (*ref. 4-5*), having first coated the threads with *Loctite 577 Thread Sealing*.

Fit the “fir-tree” connector onto the coupling’s hose.

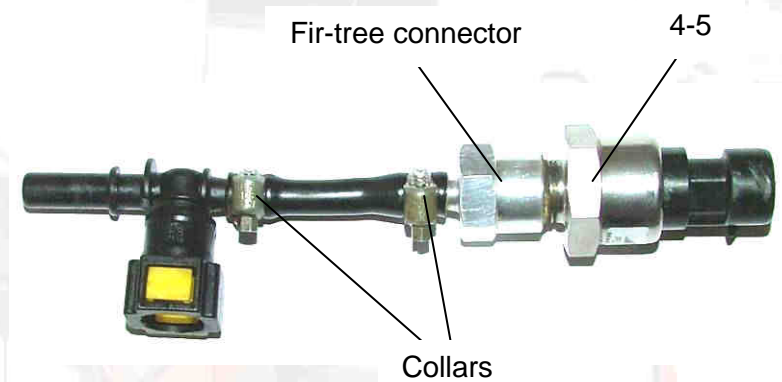
N.B.: For safety, add a small collar on the coupling side of the hose and another on the fir-tree connector side.



Clip the coupling with the sensor onto the fuel ramp and clip the fuel intake hose to the coupling assembly.

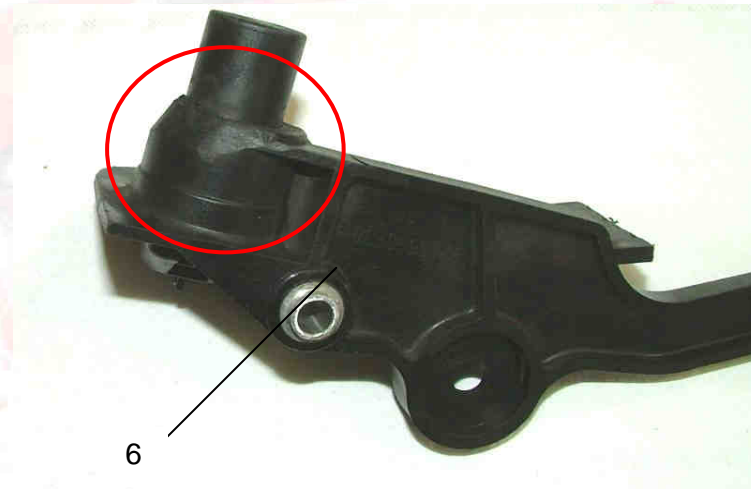
Fix the sensor to the intake manifold using a clip and a rilsan (*ref BCSP6980A3*).

Connect the fuel pressure sensor to the engine bundle.



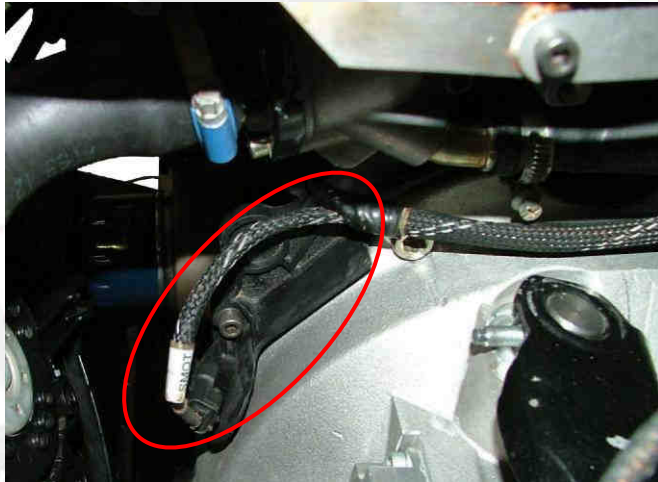
Engine speed sensor (ref. 6):

For easy disassembly in position without removing the gearbox, grind to 45° the area shown in the photo opposite.

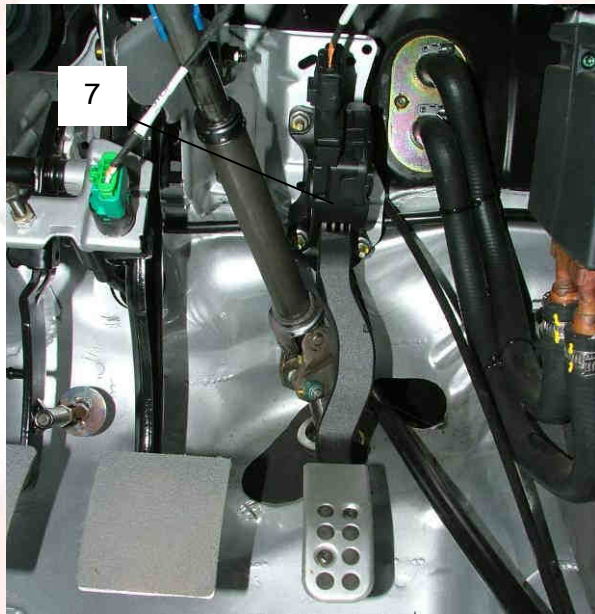




Mount the speed sensor onto the block using the standard screw and connect it to the engine bundle.

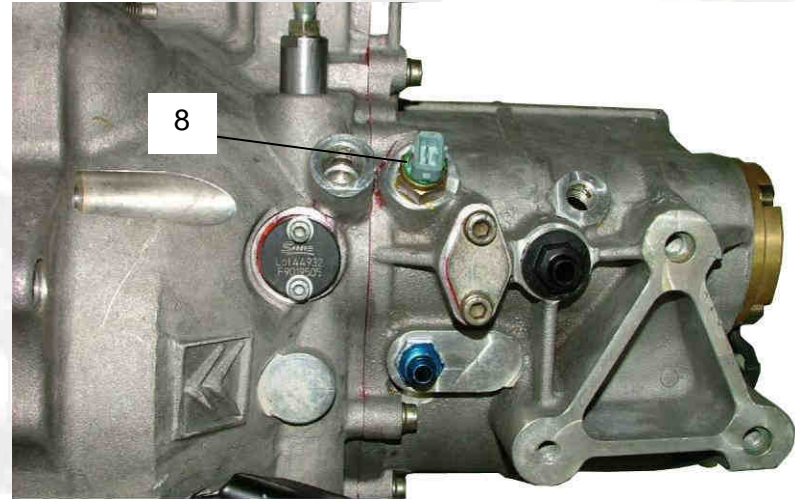


Fit the accelerator pedal (*ref. 7*) onto the body using the factory screws and connect it to the passenger compartment bundle.



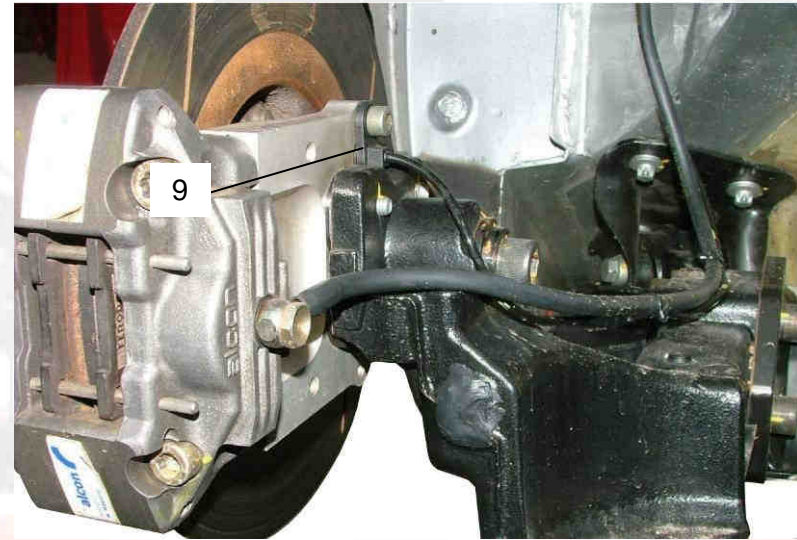


Fit the gear box oil temperature sensor ([ref. 8](#)) on the gear box housing. Connect to the engine bundle.

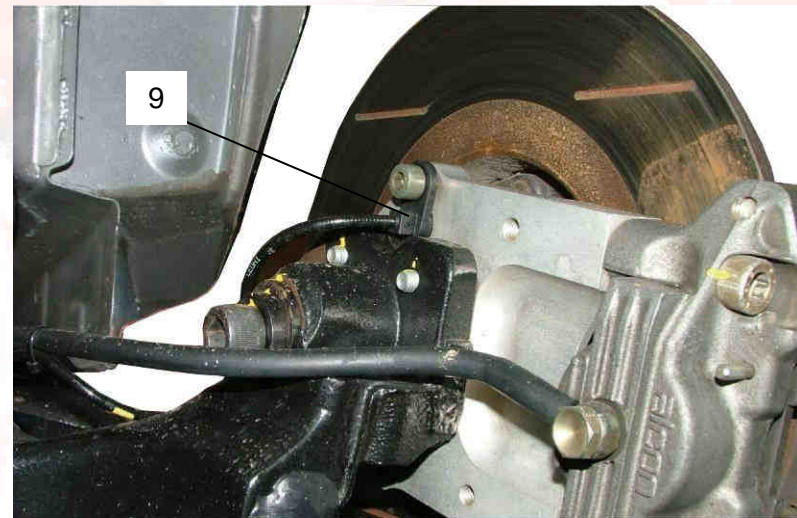


Wheel speed sensor (*ref. 9*):

The left rear wheel speed sensor shows the speed on the “**XAP**” display. Connect to the passenger compartment bundle.



The right rear wheel speed sensor sends the speed to the “**Coralba**” (or equivalent). Connect to the passenger compartment bundle.





Nota : We remind you that the tuning, the assembly and the settings of a racing engine require specific tools and specialists abilities.

To guarantee a good level of performance and reliability, CITROËN Racing recommend ORECA Magny Cours, partner of our applications since many years.