

Marks	Designations	Informations
1	Gasoline high pressure pump lifter	
2	Gasoline high pressure pump seal	Lightly oil the new seal
3	Gasoline high pressure pump	(see High pressure pump: Removal - Refitting) Tightening and replacement(see 17B, Petrol injection, Injector rail - Injectors: Removal - Refitting) Risk of damaging the pipe or the gasoline rail
4	Gasoline high pressure pump bolts	25 N.m +/-4 Place the drive cam on the camshaft at bottom dead center, then tightening bolts gradual and alternately
5	Low pressure gasoline supply hose	
6	Gasoline inlet high pressure pipe to high pressure rail bolt	10 N.m +/-2
7	Gasoline inlet high pressure pipe to high pressure rail	Tightening and replacement(see 17B, Petrol injection, Injector rail - Injectors: Removal - Refitting) Risk of damaging the pipe or the gasoline rail
8	Injector rail - injectors assembly bolts	12 N.m +/-1 Tightening spiral from the outside, timing end
9	Injector rail - injectors	(see 17B, Petrol injection, Injector rail - Injectors: Removal - Refitting) Tightening spiral from the outside Tightening and replacement(see 17B, Petrol injection, Injector rail - Injectors: Removal - Refitting) Risk of damaging the pipe or the gasoline rail
10	O-ring seal	
11	O-ring lower seal	
12	Ring stopper	
13	Injector damper clip	Warning: the injector is not held on the rail by the clip
14	Gasoline direct injection injector	(see 17B, Petrol injection, Injector rail - Injectors: Removal - Refitting) Warning: the injector is held neither on the rail or on the cylinder head. Do not shock the injector
15	Injector nozzle teflon ring seal	Respect the fitting instructions (Mot.1533)



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XSL version : 3.02 du 22/07/11

PINKING SENSOR: REMOVAL - REFITTING

Equipment required
Diagnostic tool

Locations and specifications (tightening torques, parts always be replaced, etc.)(see **Engine and transmission assembly sensors: List and location of components**) .

REMOVAL

1. REMOVAL PREPARATION OPERATION



Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .



Remove:



the engine undertray bolts,

the engine undertray.



Remove [Air inlet assembly: Exploded view](#) :



the intercooler air inlet pipe,



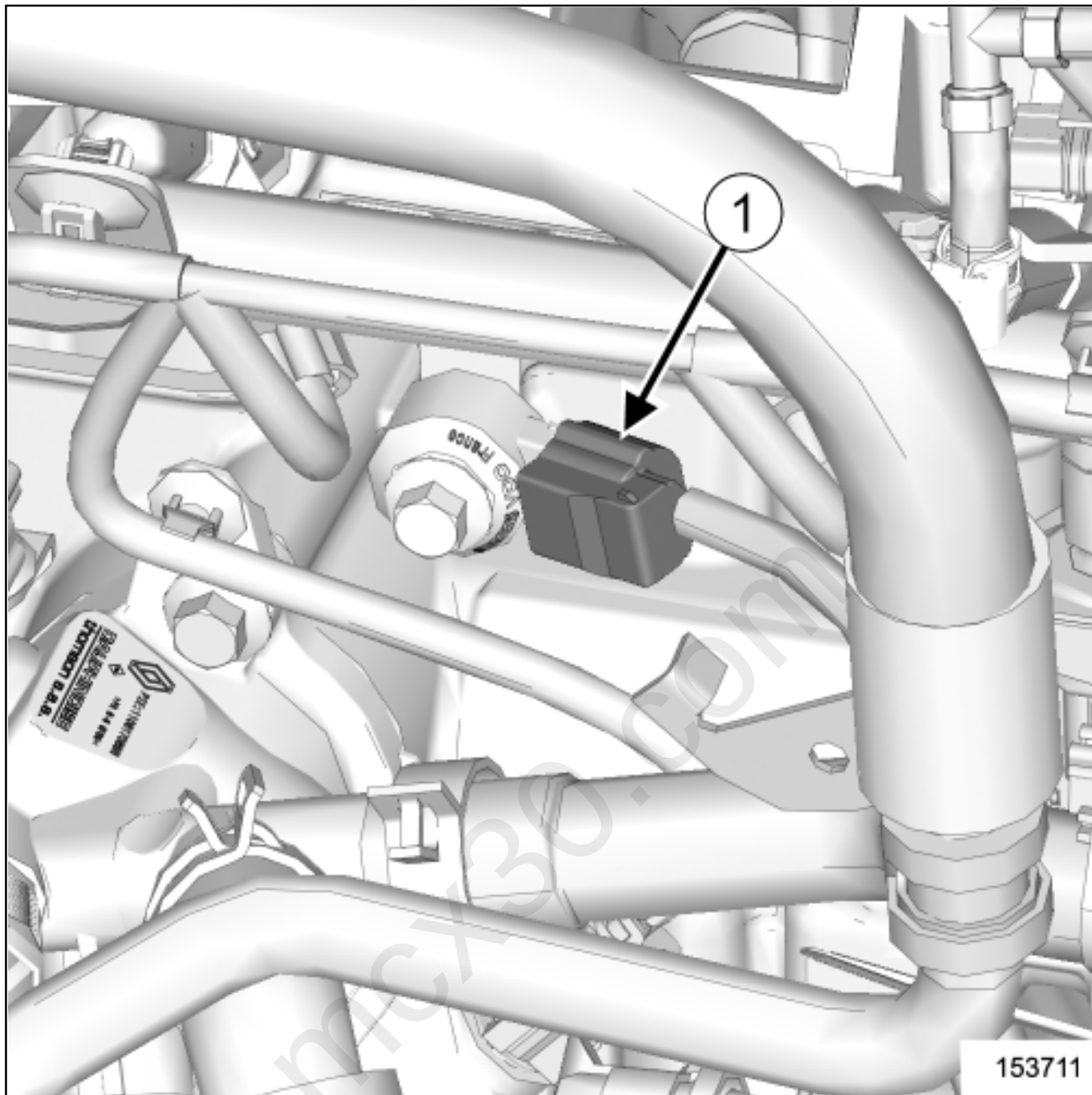
the air inlet pipe,



the throttle valve,

the inlet distributor.

2. REMOVAL OPERATION



Note:

Mark the positioning of the sensor before removing.

Disconnect the pinking sensor connector(1) .

Remove (see **Engine and transmission assembly sensors: List and location of components**) :

■ the pinking sensor bolt,

the pinking sensor.

REFITTING

1. REFITTING OPERATION



Refit in its initial position(see **Engine and transmission assembly sensors: List and location of components**) :



■ the pinking sensor,



the pinking sensor bolt.



Torque tighten the pinking sensor bolt(see **Engine and transmission assembly sensors: List and location of components**) .



Connect the pinking sensor connector.

2. FINAL OPERATION



Proceed in the reverse order to removal.



Apply the After repair procedure using the Diagnostic tool [Diagnostic tool : Use](#) :

-Computer concerned by the After repair procedure:



"Injection computer" ,

-Component controlled by this computer concerned by the After repair procedure:



"Pinking sensor" .