

Affix a label (supplied with the dye capsule), to indicate that dye has been used (as close as possible to the filler valves).



Repair-30x02x02x02-01x58-1-15-1.xml



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REFRIGERANTCIRCUIT:CHECK



Note, one or more warnings are present in this procedure



Equipment required

Diagnostic tool



WARNING

Before carrying out any operation on a vehicle fitted with the Stop & Start system, always follow the safety instructions [Vehicle: Precautions for the repair](#)



WARNING

■ To avoid all risk of damage to the systems, apply the safety and cleanliness instructions and operation recommendations before carrying out any repair:

■

(see 62A, Air conditioning, Air conditioning: Precautions for the repair) ,

■

[Vehicle: Precautions for the repair](#) (01D, Mechanical introduction).

Note:



After any work on air conditioning circuit leaks on the Laguna II, Vel Satis and Espace IV, check that filling fault DF033 Refrigerant is not present, using the Diagnostic tool. If it is present, clear it. The compressor cannot operate until the fault is cleared.

There are several types of detector:

■

■ electronic detectors,

■

trace detectors.



Note:

To carry out an after repair check, use the procedure for the electronic detector (1). To carry out a more thorough check for leaks, use a trace detector (2).

Check that the air conditioning system is operating correctly ([see 62A, Air conditioning, Air conditioning: Check](#)) .

1. REFRIGERANT CIRCUIT SEALING CHECKING OPERATION

1- ELECTRONIC DETECTORS



CAUTION

Consult the device's operating manual to avoid incorrect use.

Switch on the electronic detector.

Start the engine.

Let the air conditioning system run for 15 minutes.

Switch off the engine.

Check the sealing of the refrigerant circuit using the electronic trace detector (follow the trace of the circuit as closely as possible, to limit variations due to other gases).



Note:

If replacing a defective part ([see 62A, Air conditioning](#)).

1- TRACE DETECTORS



CAUTION

Consult the device's operating manual to avoid incorrect use.



CAUTION

To avoid damaging the cold loop components (corrosions, etc.), do not use dye if the traces reveal that some product has already been injected.



Check for dye on the cold loop components with the ultraviolet light.



Inject the dye.



Start the engine.



Let the air conditioning system run for 15 minutes.



Switch off the engine.



Check the refrigerant circuit sealing by scanning the circuit with the ultraviolet light.



Note:

If replacing a defective part (see 62A, Air conditioning).

