

RENAULT

Technical Note 3682A

Basic manual: Technical Note 3598A

Checking batteries before delivering New Vehicles

77 11 323 862

Edition 10 - June 2011

Edition Anglaise

"The repair procedures given by the manufacturer in this document are based on the technical specifications current when it was prepared.

The procedures may be modified as a result of changes introduced by the manufacturer in the production of the various component units and accessories from which its vehicles are constructed."

All copyrights reserved by Renault.

Copying or translating, in part or in full, of this document or use of the service part reference numbering system is forbidden without the prior written authority of RENAULT.

© Renault s.a.s. 2011

Contents

	Page
80A BATTERY	
Battery: General information	80A-1
Battery: Checking	80A-2
Battery: Advice	80A-5

mcx30.com

BATTERY

Battery: General information

80A

GENERAL INFORMATION

Apply this Technical Note if battery non-conformity was detected during the 1st inspection carried out by the preparation mechanic for new vehicles (see **Technical Note 3598A, Preparation of a new vehicle before it is handed over**). In this case, the Technical Note allows a more technical check of the condition of the battery to be performed when the new vehicle is prepared.

To ensure that the new vehicle is delivered with a sound battery, the inspection must be carried out as late as possible (as close as possible to the delivery of the new vehicle to the customer), allowing for any time needed for recharging or replacing the battery.

This must allow for the different cases of discharge encountered between preparation and delivery: exposure, storage, etc.

If the vehicle does not start when removed from storage, the battery must be replaced, (see **MR of corresponding vehicle, 80A, Battery, Battery: removal - refitting**).

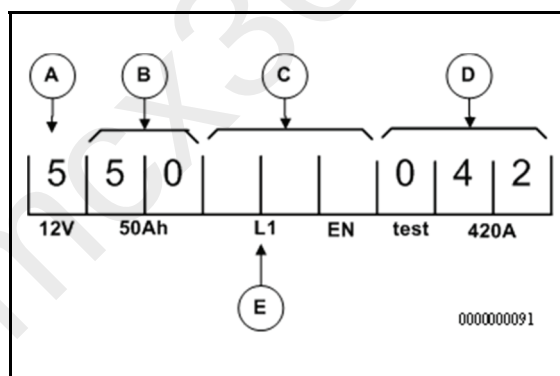
Special notes for VRLA* batteries:

VRLA* batteries can be identified by a label affixed on the top of the battery, where the name VRLA is given.

VRLA* batteries do not have a visual indicator.

DESCRIPTION OF THE BATTERY LABEL

If the battery is replaced, refer to Dialogys or to the description on the label below to select the spare part.



A- + 12 V code.

B- Electrical capacity.

C- Location of terminals, size of tray, quality, performance level (if shown).

D- Maximum current when starting (e.g. 420 A, is written 042).

E- Size code (LB = low height).

The battery's date of manufacture is engraved on the cover in the format "DDMMYY".

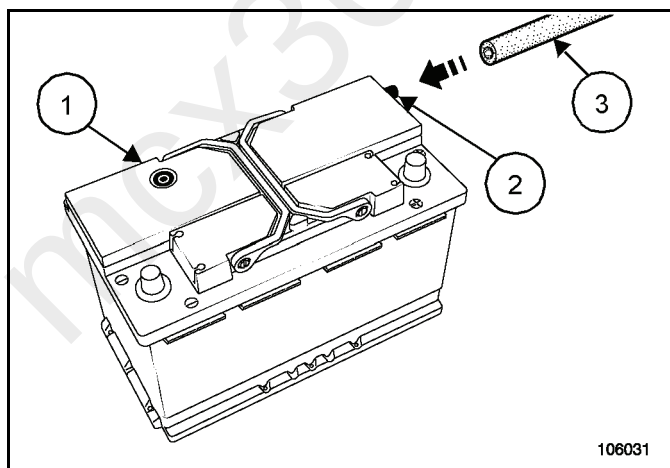
*VRLA: Valve Regulated Liquid Acid

CHECK AROUND THE BATTERY

- Check the tightness of the bracket mounting bolt: it must be attached with the correct tightening torque (see **the MR for the relevant vehicle, 80A, Battery, Battery: Removal - Refitting**). Excessive tightening is not beneficial and can be dangerous, as it can damage, or even break, the battery. Conversely, insufficient tightening allows too much play, and there may be wear caused by battery movement and breakage caused by impact.
- Check the tightness of the battery terminal mountings: check that the battery terminals are correctly inserted and secure. The terminals must be attached with the correct tightening torque (see **the MR for the relevant vehicle, 80A, Battery, Battery: Removal - Refitting**).
- Check the tightness of the battery terminal stud nuts: check that the battery terminal stud nuts are correctly inserted and secure. The nuts must be tightened to the correct tightening torque (see **the MR for the corresponding vehicle, 80A, Battery, Battery: Removal - Refitting**).

CHECKING THE BATTERY

- 1- Replace all batteries with a date of manufacture over 1 year ago (date engraved on the cover).
- 2- Check that there are no cracks or breaks, traces of acid, or creepage (sulphation) on the terminals. If any of the above are present, replace the battery and clean the surrounding area.
- 3- Check that the degassing pipe (depending on the version) is properly connected to the battery vent.
- 4- Ensure that the degassing pipe (3) is correctly positioned.
- 5- The battery charge status check is carried out differently depending on the presence or visibility of a visual indicator (1), known as the "Magic eye". See Flow charts opposite.



- 1- Visual indicator
- 2- Degassing vent
- 3- Degassing pipe

WARNING

All these vehicles are equipped with a low water consumption battery. Opening the battery and topping up the electrolyte level are prohibited.

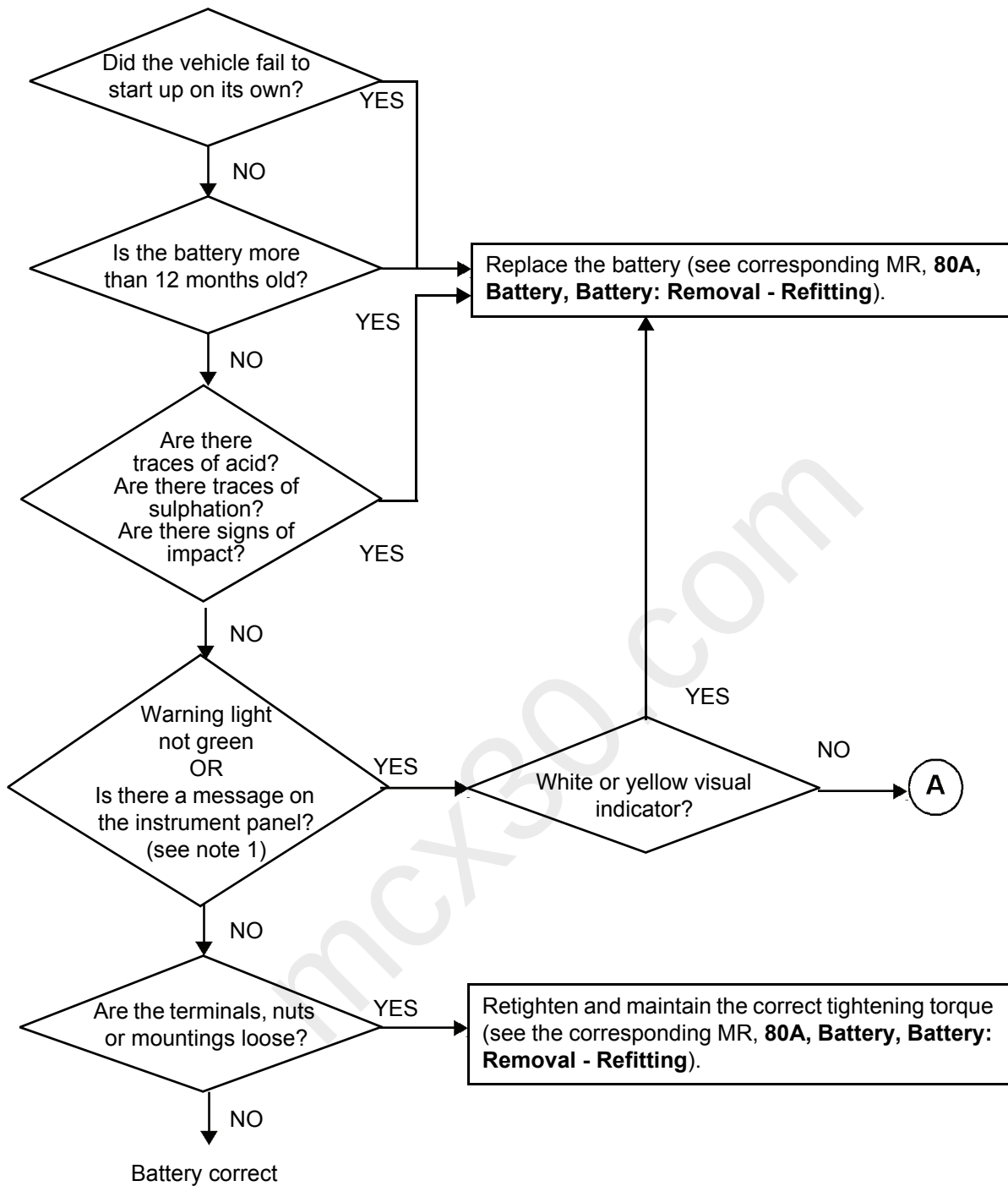
WARNING

The MIDTRONIC must not be used to check the batteries on new vehicles.

BATTERY

Battery: Test

80A



Note 1:

The visual indicator (also called the "magic eye") is visible depending on the equipment (VRLA, etc.).

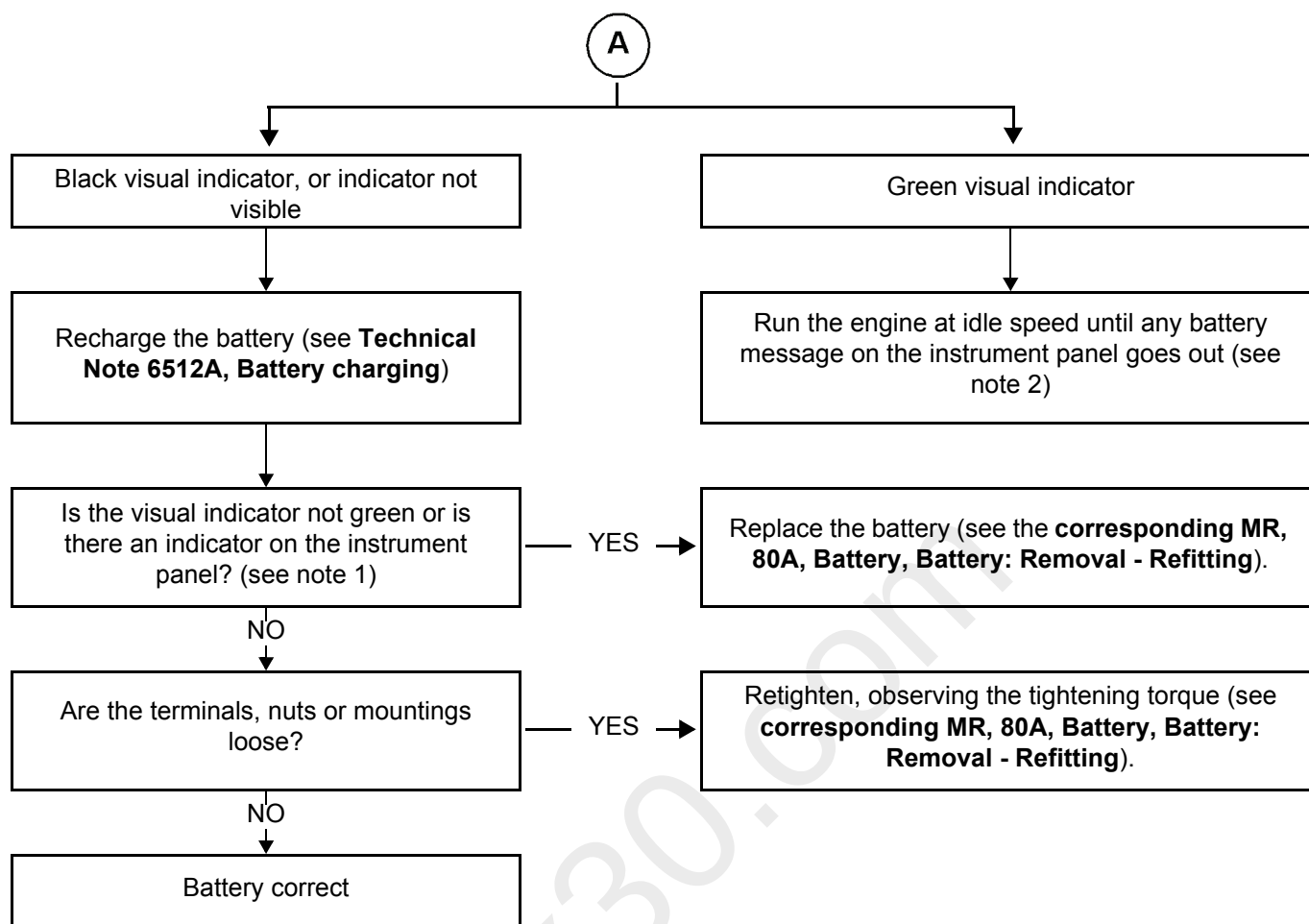
The information on the instrument panel can be either:

- Text message: "battery needs recharging" or "battery low, start the engine"
- Flashing of the battery charge warning light.

BATTERY

Battery: Test

80A



Note 1:

The visual indicator (also called the "magic eye" "ME") is visible depending on the equipment (VRLA etc.).

The information on the instrument panel can be either:

- Text message: "battery needs recharging" or "battery low, start the engine"
- Flashing of the battery charge warning light.

Note 2:

It is normal for the message "BATTERY LOW, START THE ENGINE" to switch to "BATTERY CHARGING"; wait for any messages to disappear completely before switching the engine off.

REMINDER

Battery charge (see **Technical Note 6512A, Battery charge**)

CLAIM COMPLETION AND CODING

– Operation time:

Additional battery recharge

- Operation code: 8210
- Allocated time: 0.3 hours

Battery replacement

- Operation code: 8207
- Allocated time: **See Operation Time**
- Faulty part to be indicated: part number of battery (if replaced).
- Or Operation Time code to be indicated: battery recharge (if recharged).

mcx30.com