



REFERENCE	BT_2013_X98CUP_02_UK
DATE	2013 April 16th
SUBJECT	Mandatory and facultative updates

CONCERNED : 2013 EURO CUP CLIO

Dear Competitors,

Please find below a list of updates that have to / can be made before any practising this weekend during the official collective test session in Motorland.

1 – MANDATORY UPDATES

All the following updates (1.1 to 1.6) are mandatory for the first collective test in Motorland.

1.1 ECU and dashboard

We kindly ask you to bring back these 2 components to Renault Sport Technical office to perform an upgrade. This evolution will allow you, amongst others, to have more analysis/diagnostics channels and to be compatible with the new version of the Toolset software (see §1.2)



Prior to bring it to Renault Sport office, please stick a tape on each dashboard and ECU indicating:

- the team
- the chassis number

1.2 Toolset 3.2

A new version of Toolset (3.2) will be available on Friday 18th and will be distributed to all teams. We ask you to uninstall completely the previous version (v3.0) of you computer and replace it by the new one. In any case, the ECU and SQ7 updates won't allow you to use the old one anymore.

Toolset 3.2 will be available next week through the following link, as explained in the Information Note n°2 :

<ftp.pigroup.com> or <ftp://clio4cup@ftp.pigroup.com>

User : clio4cup

Password : yf12t83o

If these links don't work, enter the following URL in the address bar : <ftp://clio4cup:yf12t83o@ftp.pigroup.com>

The following screen appears:

```
Directory listing
Parent Directory (Root Directory)
0 Mar 22 10:10 ./
0 Mar 22 10:10 ../
264697347 Mar 22 10:06 Pi Toolset.zip
207157184 Mar 22 10:16 Toolbox 6.2.zip
```

Click on each link to download successively PI TOOLSET 3.2 and TOOLBOX 6.2 (if not done yet)

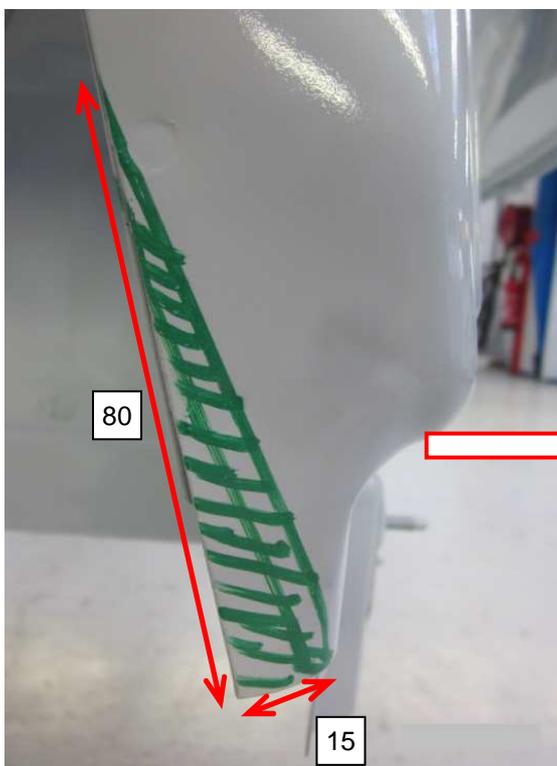
We remind you that the "Softwares" User Manual is available on the Renault Sport Extranet (Chapter G_Softwares) through the following link : <http://extranet-competition.renault-sport.com/>



1.3 Rear wheel housing

Due to an important proximity with the tyre, you must cut the bodywork metal sheet behind each rear wheel regarding the following instructions:

- 1) Remove the rear bumper
- 2) Trace on each side the area to cut (Triangle 80x15mm)
- 3) Cut the metal sheet and deburr the sharp edges



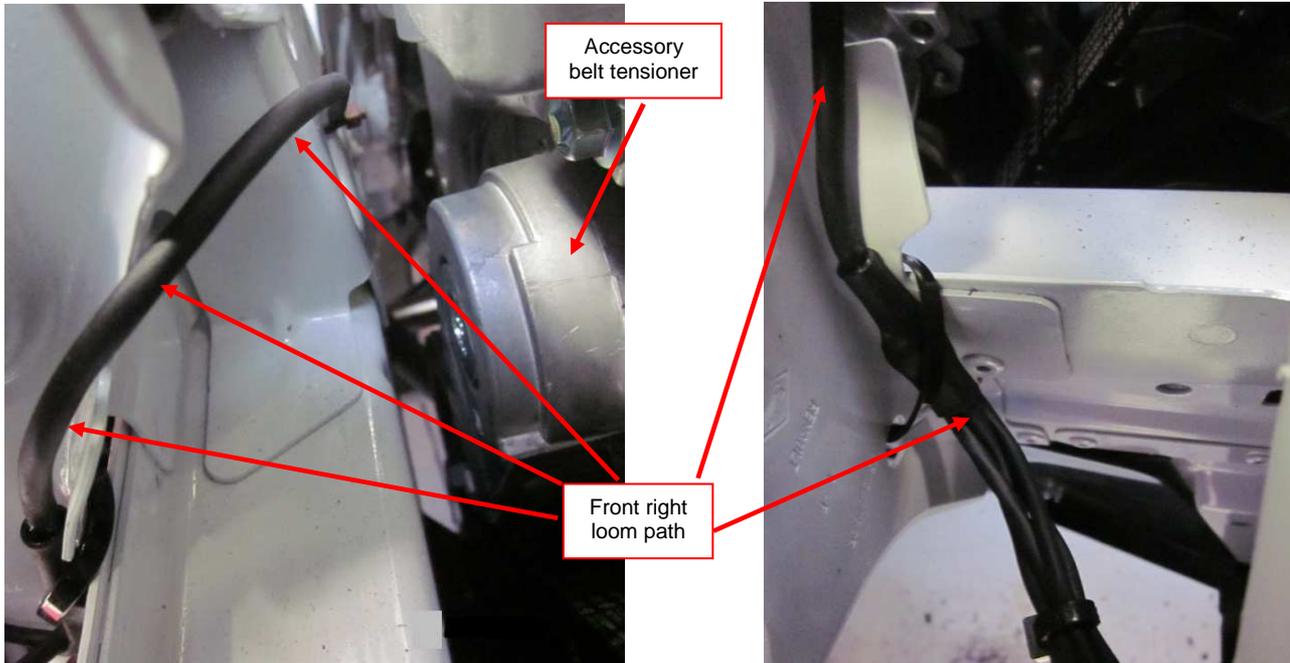
1.4 Fire extinguisher windscreen push button

You must fit the wiring of the white connector directly on the plastic windscreen lower grid using a ty-rap® as indicated below:



1.5 Front loom

To avoid interaction with accessory belt, you must fit the front right wiring of the front loom (turbo air cooler, FL headlight, windscreen washer pump) to the chassis as indicated:

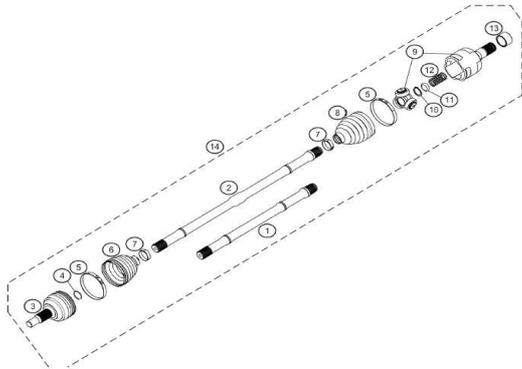


1.6 Transponder

You must fit the transponder in the front right wheel housing as indicated below:



1.7 Transmissions



Due to a problem found in the shaft thermal treatment, Renault Sport Technologies decided to replace all the current transmissions (Right-hand and left-hand sides) by complete new ones before any practising.

All new transmissions kits will be available directly from the Renault Sport spare parts truck from Friday morning (19th)

All old transmissions must absolutely be returned after the change Friday evening the latest.

→ It is strictly forbidden to use the old ones during the collective test and change them at the end.

For teams which have been excused for not being present in Motorland, 2 possibilities to exchange the transmissions:

- 1) Waiting till Imola EURO CUP meeting and change them before the Friday collective test in the same conditions.
- 2) Send back your old transmissions to Renault Sport spare parts dept to :

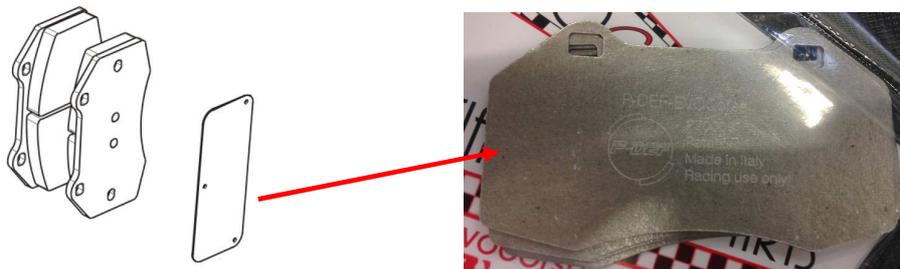
Renault Sport Spare parts department
 Attn : Antony CHEVALIER
 Avenue de Bréauté
 76 885 DIEPPE
 FRANCE

2 – FACULTATIVE UPDATES

The following updates (2.1 to 2.3) are optional (not mandatory for the first collective test)

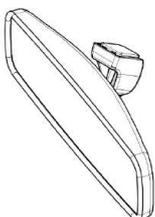
2.1 Brake pads heat shield

It is allowed to fit a specific heat shield between each front brake pad and the calliper piston. This heat shield will help avoiding brake fluid vapour lock.



The kit containing 4 brake pad heat shields is available under the reference 77 11 167 236. This kit is the only one allowed.

2.2 Rearview mirror



It is allowed to fit the inside rearview mirror (82 00 000 509) using the genuine support fitted on the windscreen.

2.3 brake balance adjustment

The car is delivered with a classic balance bar, adjustable by turning the threaded rod to set the brake balance between front and rear axle.

**NOTE :**

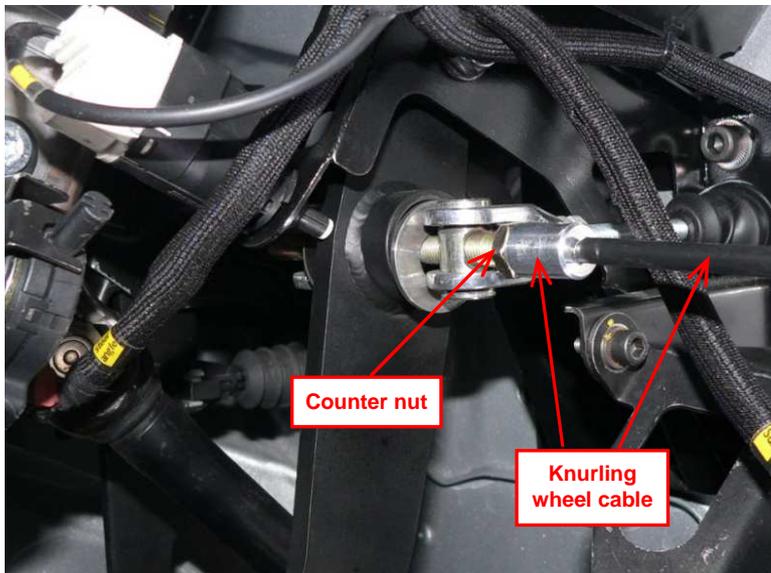
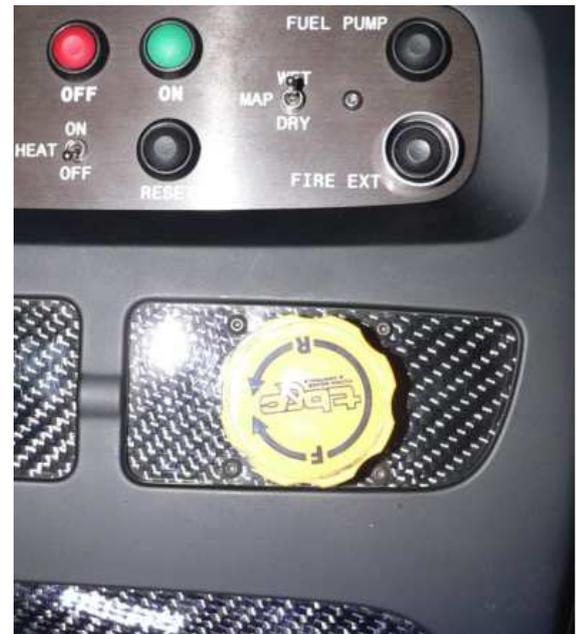
Make sure that after each brake balance adjustment, the 2 counter nuts are correctly screwed and tightened against the ball joint.

It is allowed to fit a balance bar knurling wheel (reference: 77 11 158 138) on the facia switch panel as indicated below:

- 1) On the right-hand side under the facia switch panel, drill a hole $\varnothing 40\text{mm}$ + 4 hole $\varnothing 4\text{mm}$ (fasteners)
- 2) Fit the knurling wheel using 4 rivets in each square
- 3) Remove the 2 counter nuts screwed on each balance bar ball joints and screw the cable on the threaded rod.



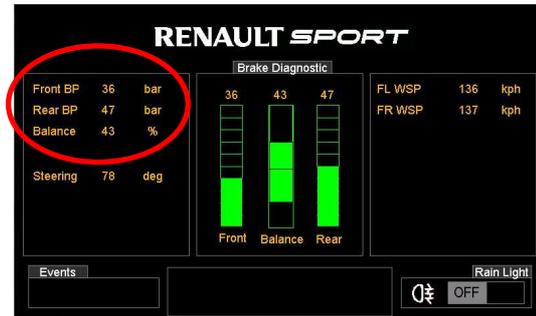
Do not forget to fit the counter nut



NOTE: To correctly set the brake balance:

:

- 1) Go to the corresponding dashboard page to check the value of the front/rear brake pressure (diagnostic pages > chassis page)



- 2) Tighten the rear brake pressure limiter clockwise (+) to allow the maximum pressure on the rear axle (must be between 36 and 40 bars)
- 3) Adjust the position of the balance bar threaded rod by turning it (manually or using the adjustment wheel) to the desired position taking into account that the brake balance (% of total pressure on front axle) is constant till the maximum rear brake pressure is reached.



NOTE :

When the maximum rear brake pressure is reached, the brake balance suddenly increase, which is normal because the full pressure goes on the front axle (nothing more on the rear)

→ It's important to stay under the maximum rear brake pressure to set correctly the brake balance

- 4) When the brake balance has been adjusted :
 - a. tighten the 2 counter nuts (if manual mode) against the 2 ball joint
 - b. set the rear brake pressure limiter to the desired value

Renault Sport Technologies
Motorsport department