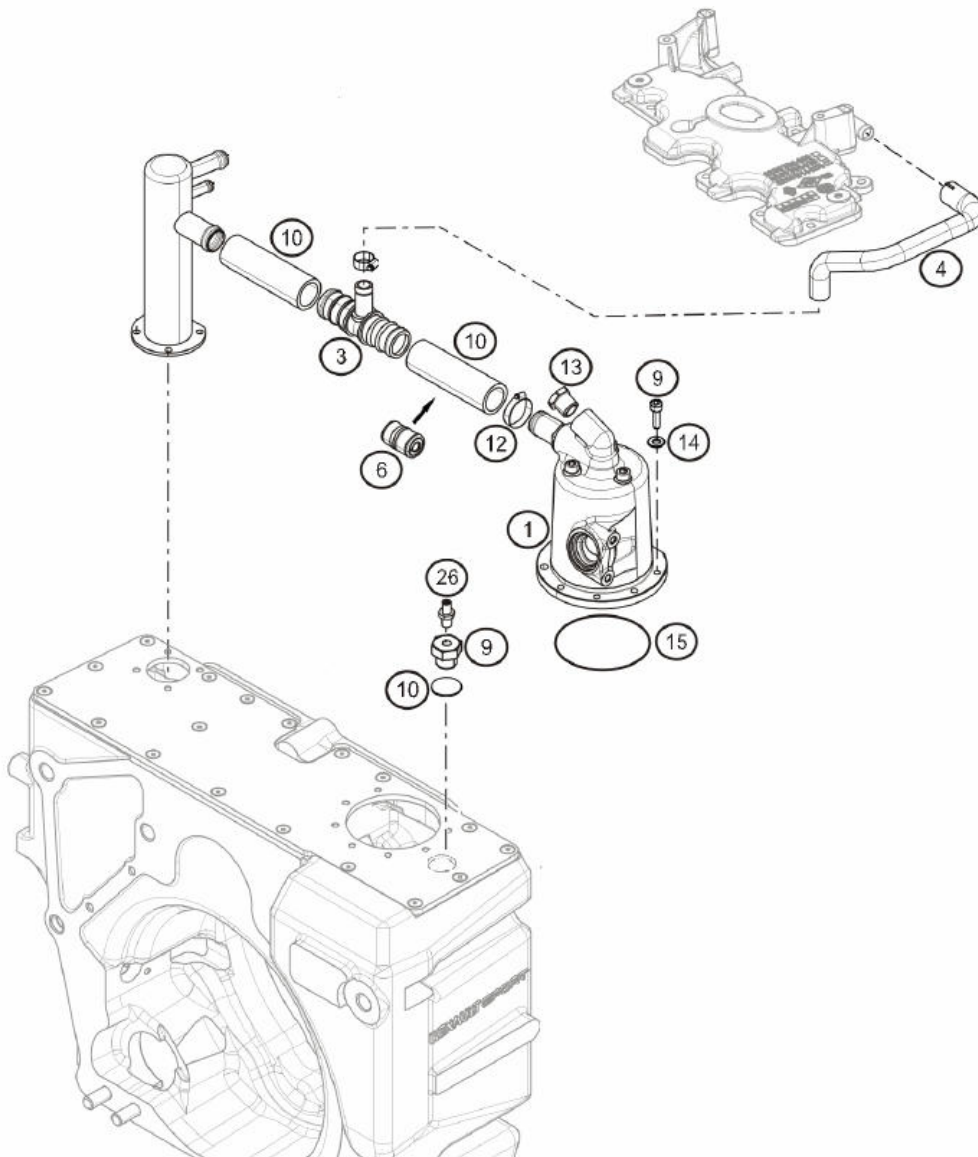


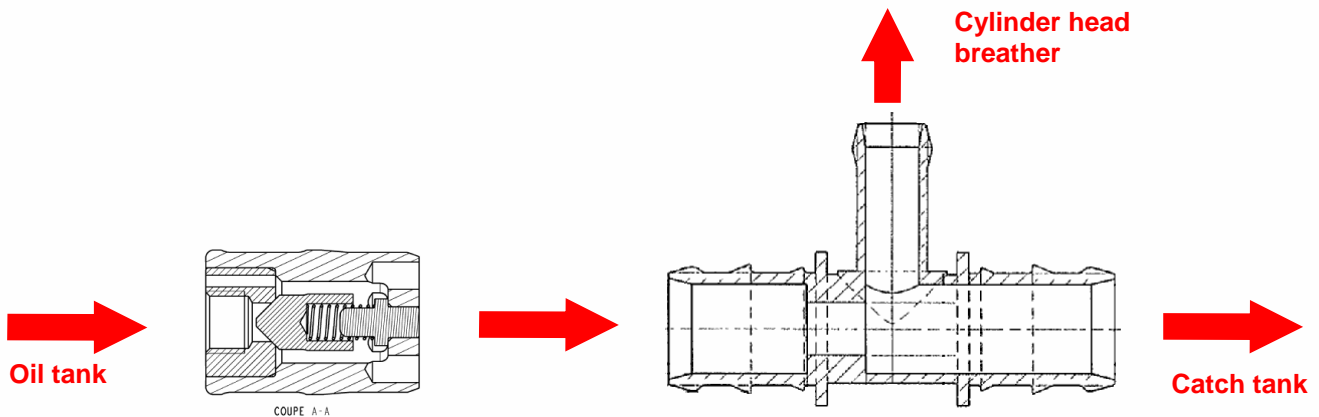
REFERENCE	BT_2013_FR20_2_UK
DATE	1st February, 2013
SUBJECT	Oil tank pressure, new clutch, new rear wishbone brackets
PART	Engine oil circuit, clutch, rear wishbone brackets

1. Engine oil tank pressure valve

As you have seen in the 2013 kit nomenclature, a pressure valve system for the oil tank has been integrated to the kit.

The aim is to improve the engine reliability, raising the oil pressure at high revs. The new mounting including the relief valve is shown below:





The above mounting details must be strictly respected.

You must note that:

- pipes #10 (ref. 0011166283) are now in A category.
- Washers #14 are now copper washers (ref. 7711166886) and are in A category.
- The original plastic oil tank cap is replaced by an aluminium cap (ref. 7711166887) including a tyre valve 'ref. 7711166888)
- Insert ref. 7711166094 is now replaced by a cap (#13) ref. 7711166885.

The use of the pressure valve is now mandatory and the oil tank pressure is now ruled as follow:

Oil tank pressure measured at oil tank cap (with "tyre valve") = 0.40bars ±0.05 when engine running at 5,000 rpm.

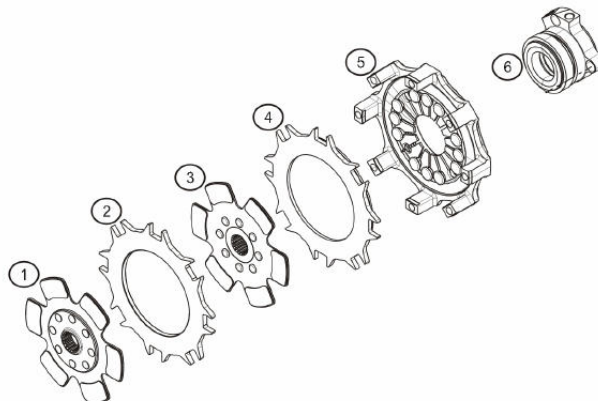
Note: all 3 Formula Renault 2.0 championships will be equipped with 1 accurate manometer to measure this pressure. Those manometers will be accessible for every customer on track. However, a simple and accurate tyre manometer can be used as well.

2. New clutch

As you have seen in the 2013 kit nomenclature, we have included new friction discs, intermediate plate, pressure plate and a new clutch releaser into the kit.

- The new friction discs are thicker and have 6 frictions pads rather than 4.
- The new pressure and intermediate plates are then thinner in order to compensate the total clutch mechanism thickness. The shape of their teeth is also slightly improved.
- The new clutch releaser is now a racing component specifically designed for our application. It integrates an INLET and an OUTLET connection in order to ease the bleeding. The bearing and the seals can now be changed separately.

The aim of those modifications is to improve significantly the clutch system reliability.



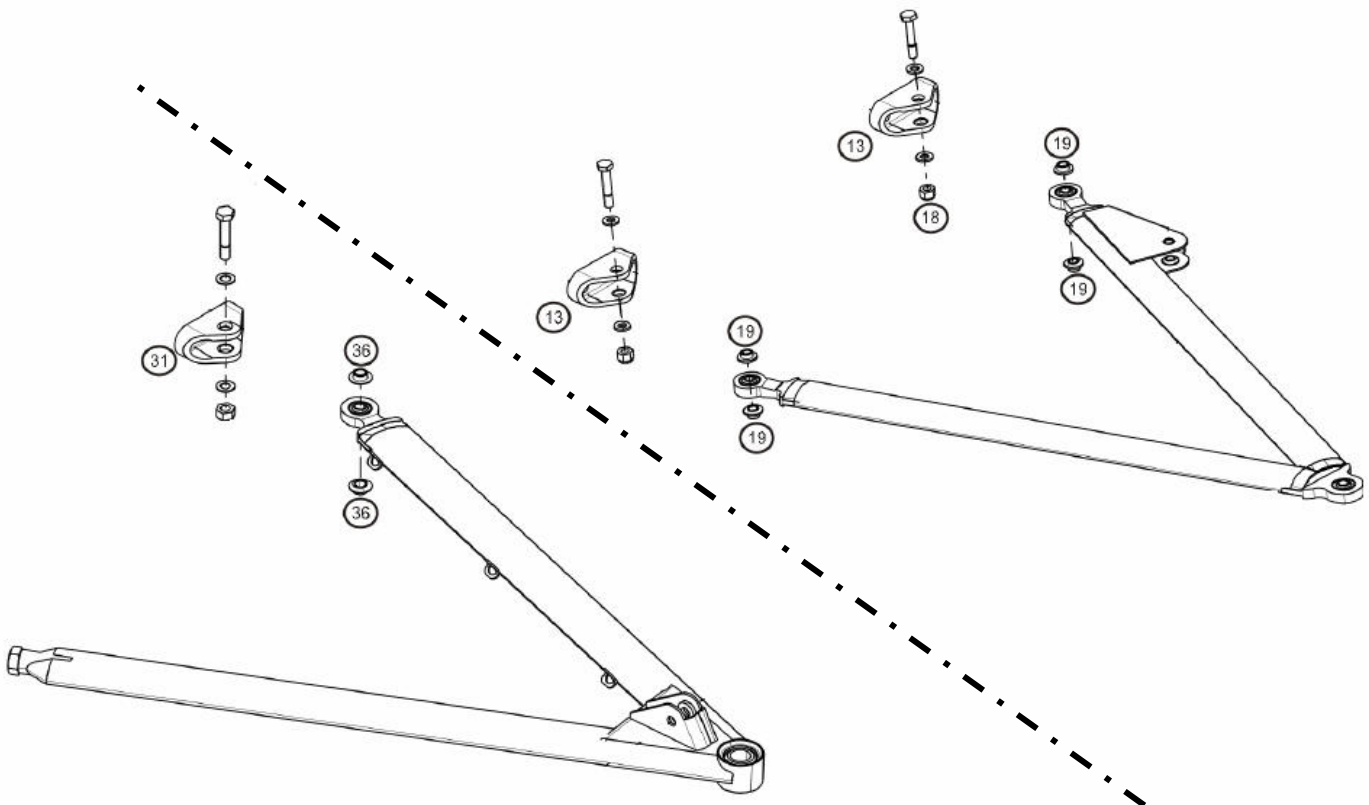
#	Renault Sport reference	Comment
1	7711166843	New
2	7711166844	New
3	7711166845	New
4	7711166846	New
5	7711166679	Same as 2012
6	7711166840	New

Those new parts are now the only ones allowed.
 You must not that the 14mm master cylinder ref. 7711166481 cannot be used anymore with the new clutch releaser.

3. New rear wishbone brackets

Following several complaints of excessive wear on the rear wishbone brackets, 2 types of bracket (marks #13 & #31) have been improved: material is now stronger and thickness of the brackets is increased by 1mm per side.

Therefore the bushes (marks #19 & #36) that are mounted into those brackets are now 1 mm longer.



Those brackets and bushes are regulated as per the 2013 Formula Renault 2.0 Nomenclature.