



CITROËN
RACING



C2R2max

Version 02 – 02 April 2009

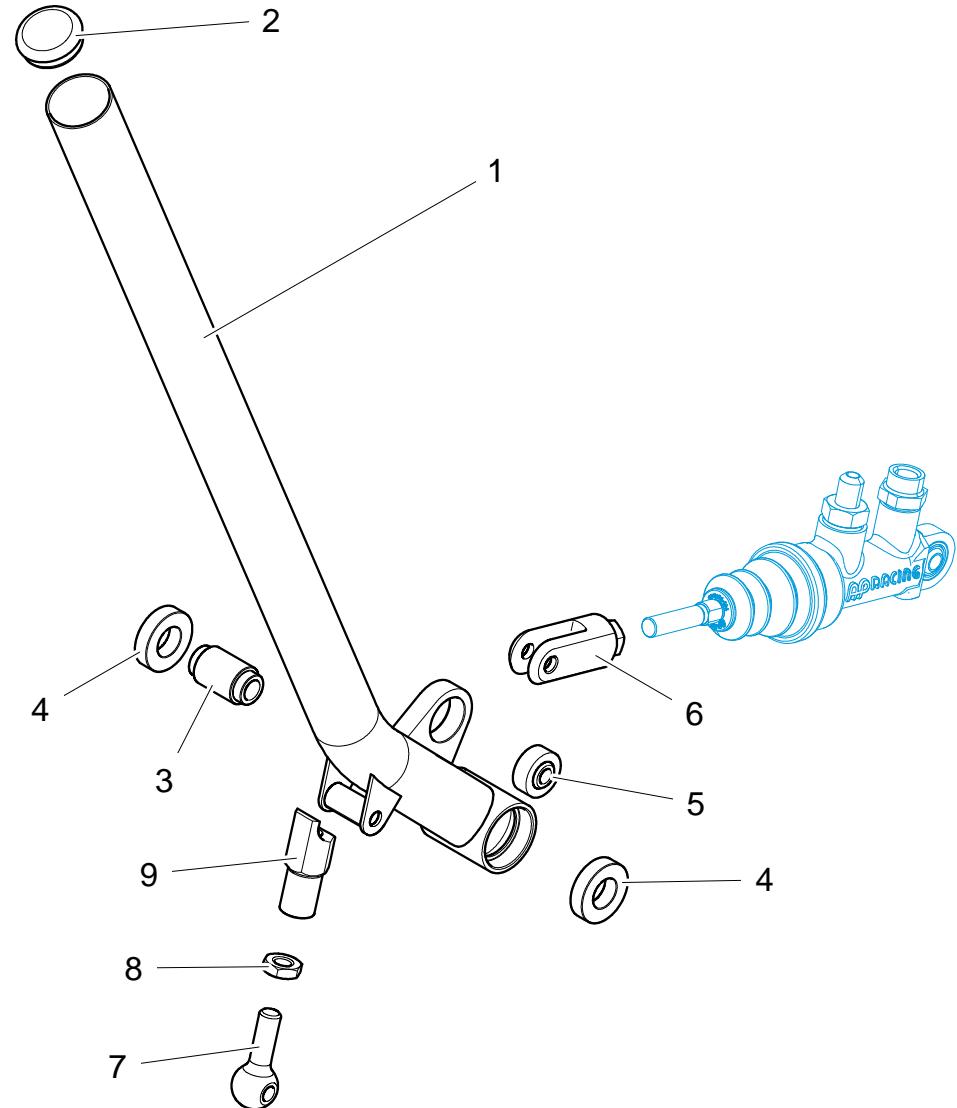
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HYDRAULIC HAND BRAKE



C2R2MAX

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Assembling the hand brake lever.

Fit the end cap (ref. 2) on the hand brake lever (ref. 1).



Check the state of the bearing housings on the hand brake lever. If there are traces of paint or rust, remove them by a light rubbing down.

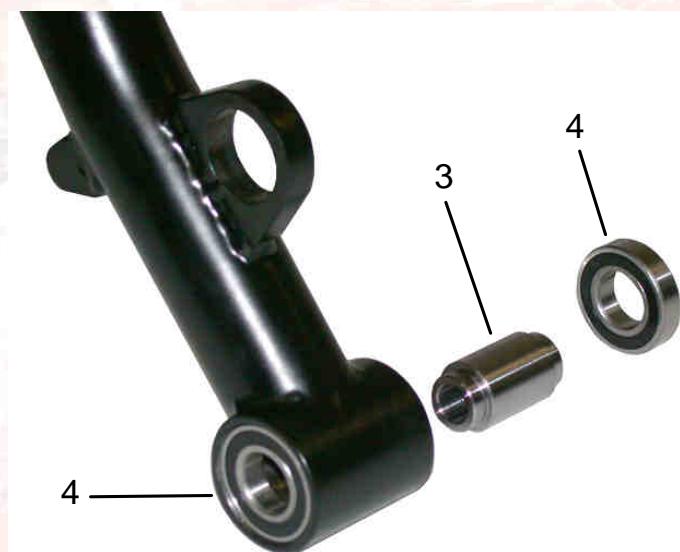
600 grain



Lightly coat the external bearing cage (ref. 4) with Loctite.

Assemble the bearing in the lever, using a socket (or equivalent) corresponding to the diameter of the external cage.

The bearing must come into abutment with the shoulder of the lever.

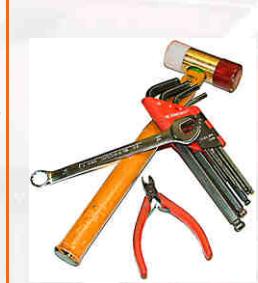


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**Hydraulic hand
brake**



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Fit the spacer (ref. 3) on the bearing previously fitted on the lever.

Assemble the second bearing (ref. 4), external cage coated with Loctite (identical method to the assembly of the first bearing).



Lightly coat the external cage of the ball joint (ref. 5) with Loctite.

Fit the ball joint (ref. 4) on the lever (ref. 1) as shown in the photo opposite.



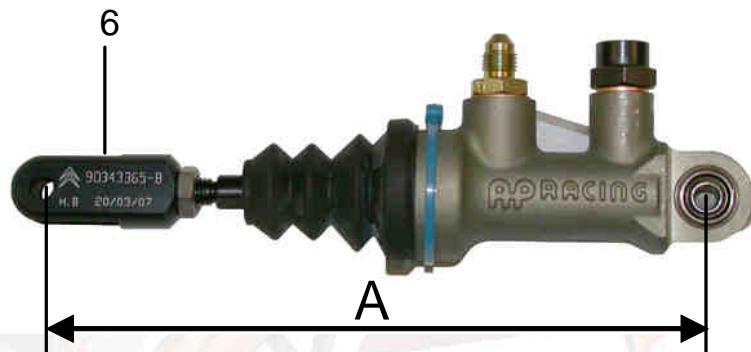
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Fit the master cylinder yoke (ref. 6) and the counter nut (ref. on the master cylinder).

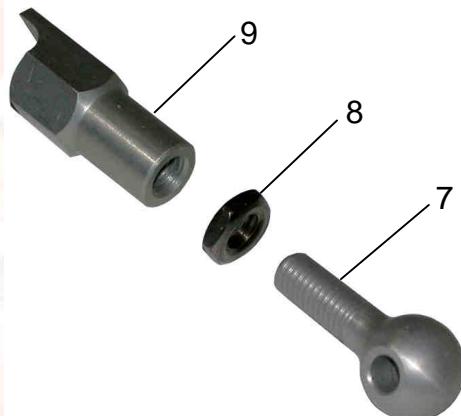
Adjust the nominal length (A) by screwing / unscrewing the yoke to obtain **137 mm**.



Assemble the locking tie rod.

Fit the counter nut (ref. 8) on the male tie rod (ref. 7).

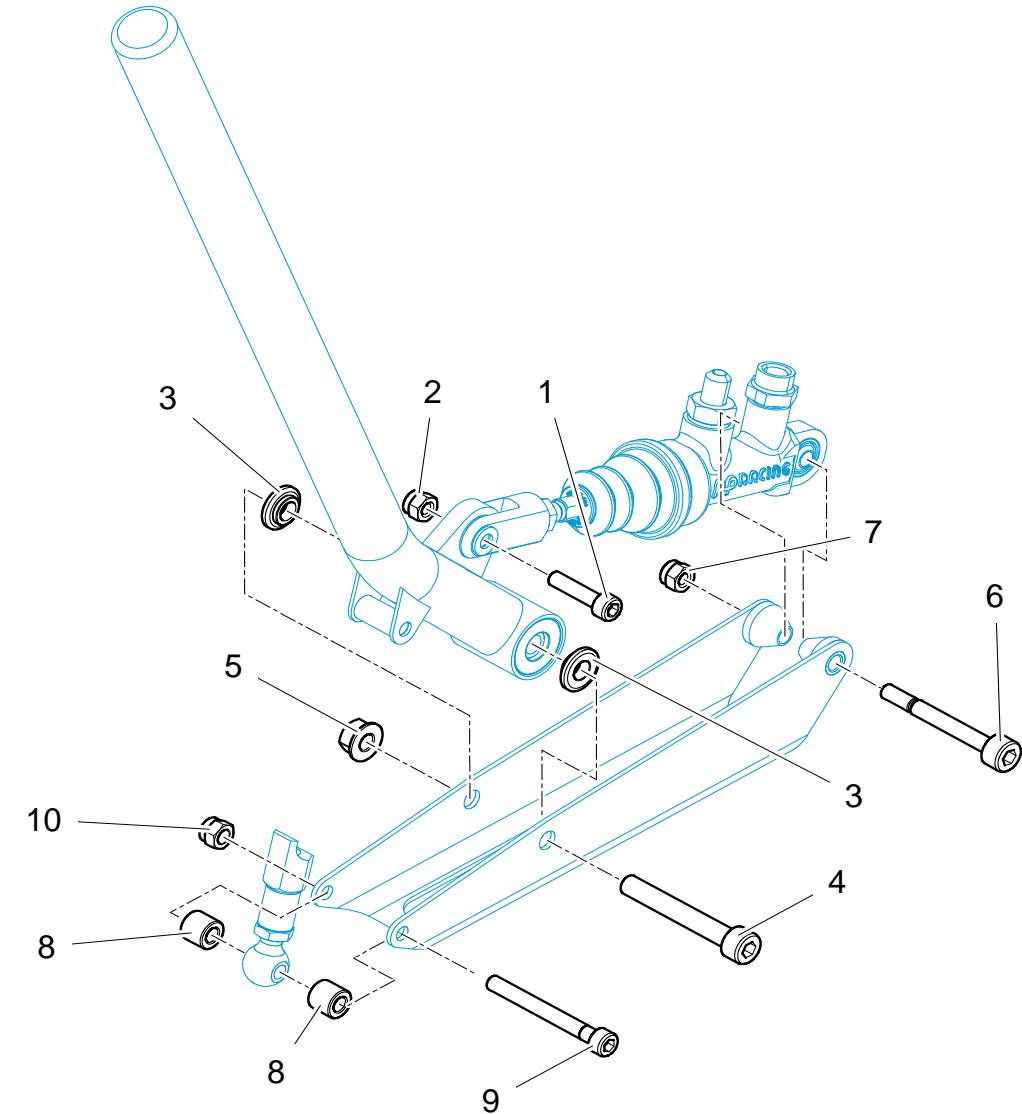
Fit the male tie rod and counter nut assembly on the female tie rod (ref. 9).





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Ref	Part Number	Qty	Description
1	PS82021A10	1	Lever ball joint axle screw HSHC M6x100 lg40 Cl12.9
2	BCSP693586	1	Lever ball joint axle M6 elliptical lock nut
3	1G2241233A	2	Lever pin external spacer
4	BCSP6913H7	1	Lever pin screw HSHC M8x125 lg50 Cl10.9
5	BCSP7238EL	1	Lever pin M8 lock nut
6	1F7162505A	1	Master cylinder rear fixing screw HSHC reduced body diam.
7	BCSP693586	1	Master cylinder rear M6 elliptical lock retaining nut
8	1F7162511A	2	Locking tie rod pin spacer
9	BCSP163703	1	Locking tie rod pin screw HSHC M6x100 lg50 Cl8.8 with washer
10	BCSP693586	1	Tie rod pin M6 elliptical lock nut



Assembling the hand brake lever assembly on the yoke.

Fit the master cylinder assembly on the lever's ball joint with the screw (ref. 1) and the nut (ref. 2).

Check that the tightening of the screw does not restrict the yoke or the bearing, and that the lever moves freely.



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Fit the external spacers (ref. 3) on the lever assembly.



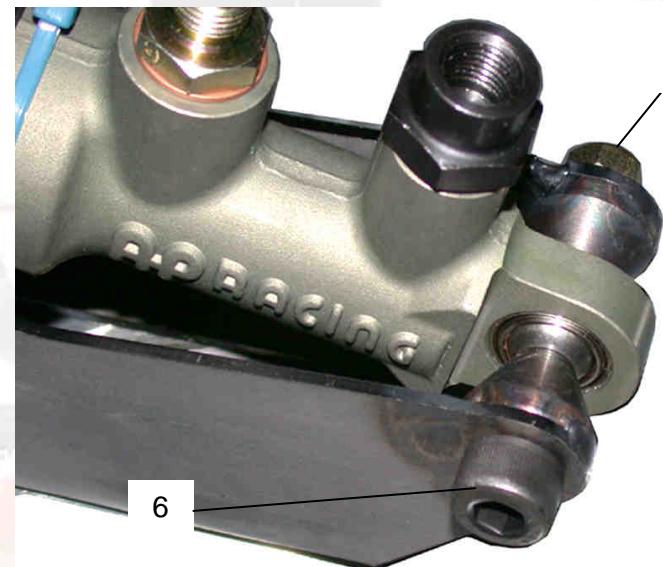
Fit the lever assembly on the yoke, using the screw (ref. 4) and the nut (ref. 5).

Gently tighten the screw. The lever must operate completely freely over its entire range, without strain or drag.



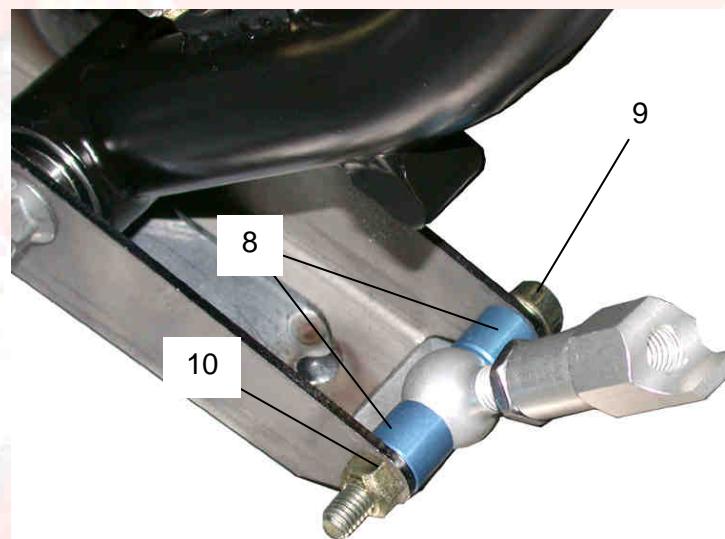
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Fit the master cylinder on the yoke, using the screw (ref. 6) and the lock nut (ref. 7).

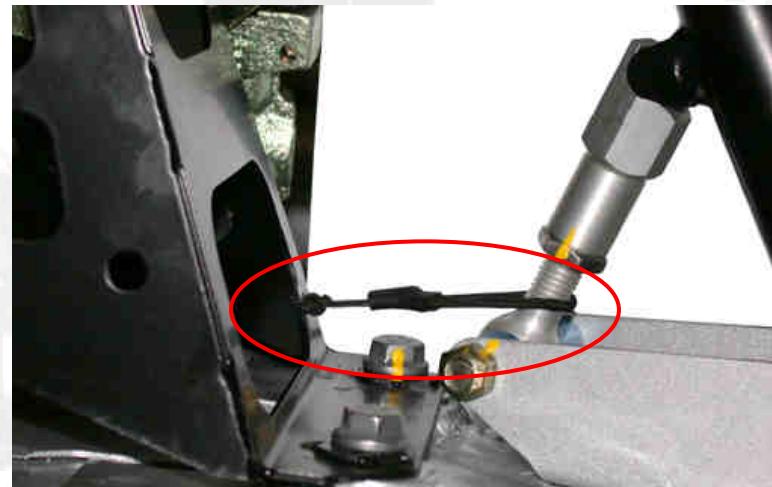


Fit the locking tie rod using the screw (ref. 9), two spacers (ref. 8) and the nut (ref. 10).

The length adjustment of the locking tie rod will be done when the automobile is finished, and debugged (final purge of the brake circuit and running-in of the disks / pads).



Prepare an elastic band between the gearbox lever mount and the hand brake locking lever and to avoid its accidental blocking during use (pin, etc).



Once the hand brake assembly is assembled, check that the lever operates freely over its whole travel, without drag.