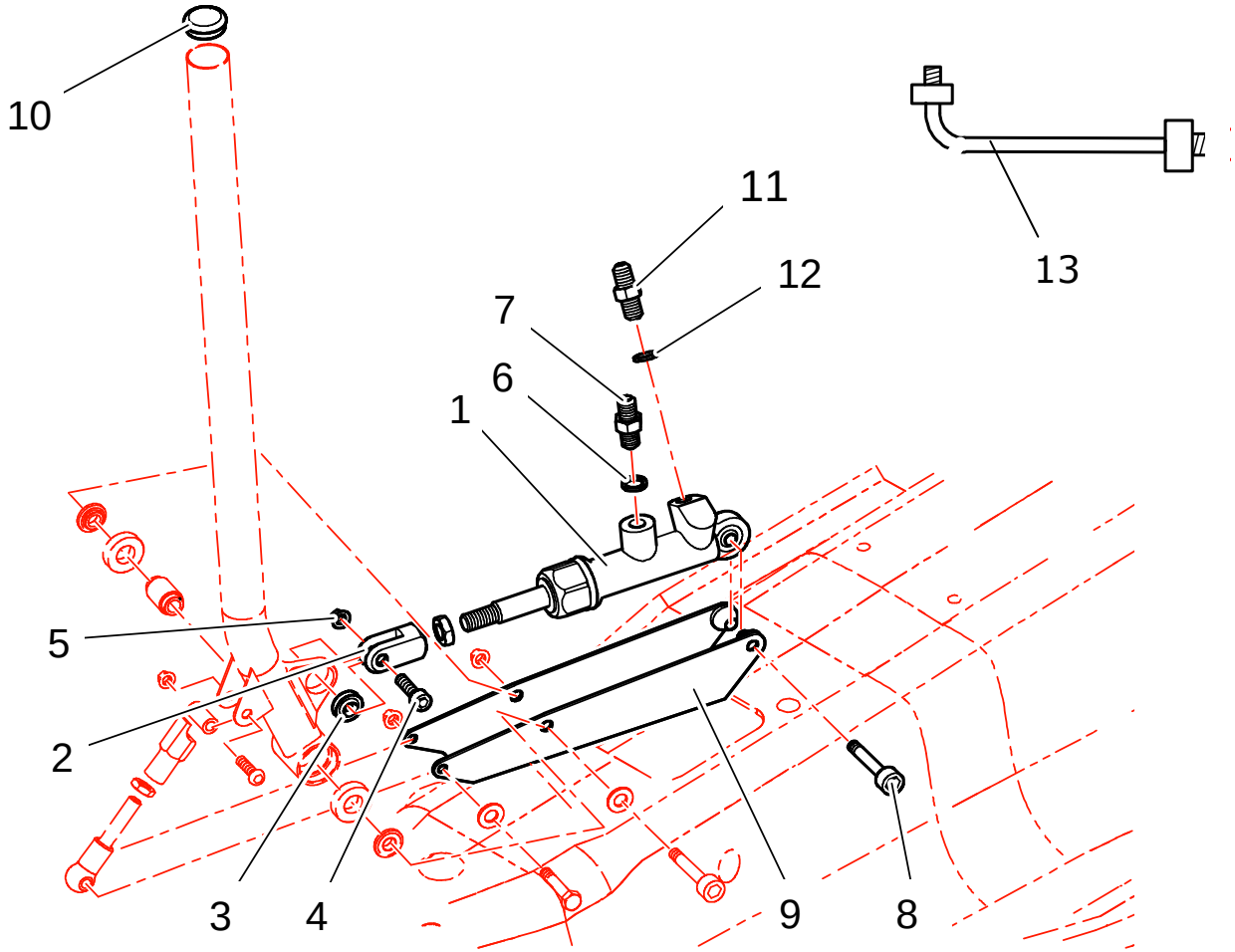
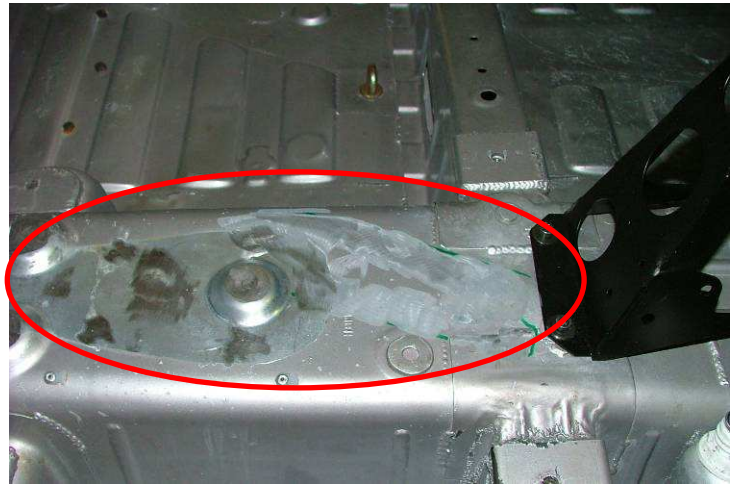
F71 : VERTICAL HYDRAULIC HAND BRAKE 1/2 (Optional)

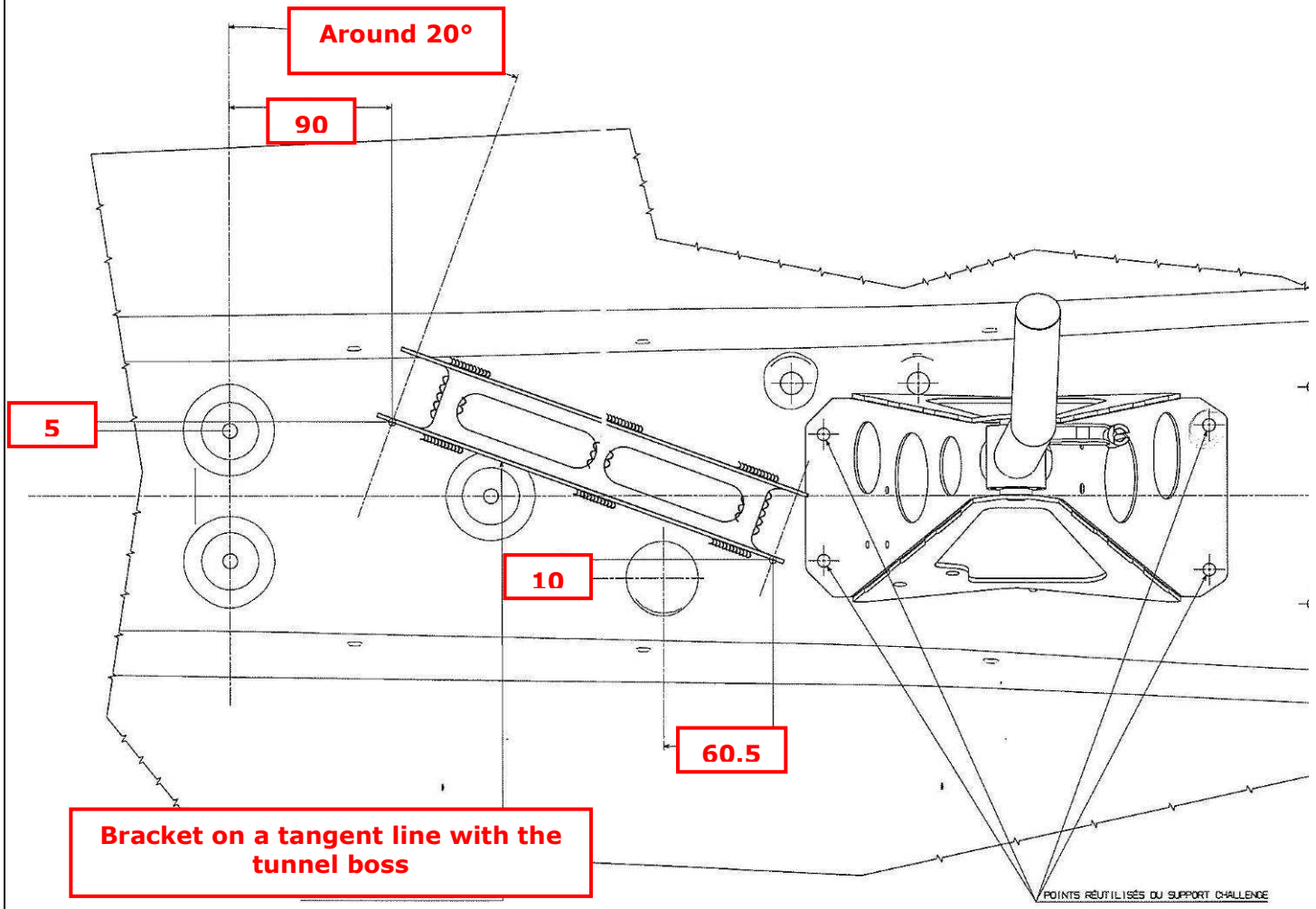


REF	PART NUMBER	QTY	DESCRIPTION
1	1F6362701A	1	AP Master cylinder
2	1F7143365B	1	Master cylinder clevis
3	CS450003ST	1	SSA610 ball
4	PS82017A10	1	M6 l25 cl12.9 alen screw
5	PS74030A10	1	M6 self locking nut
6	PS81504A10	1	Ø10.2x13.5x1.5 copper ring
7	1F6362702A	1	Male-Male Dash3 7/16 connector
8	1F7162505A	1	Master cylinder fitting screw
9	1F7162504B	1	Master cylinder bracket
10	1G2141595A	1	Lever cap
11	1F6311376B	1	Male-Male M10 3/8'' connector
12	PS81506A10	1	Ø11.2x16.1x1 copper ring
13	1F6361201C	1	Master cylinder to brake limitor hose
14			

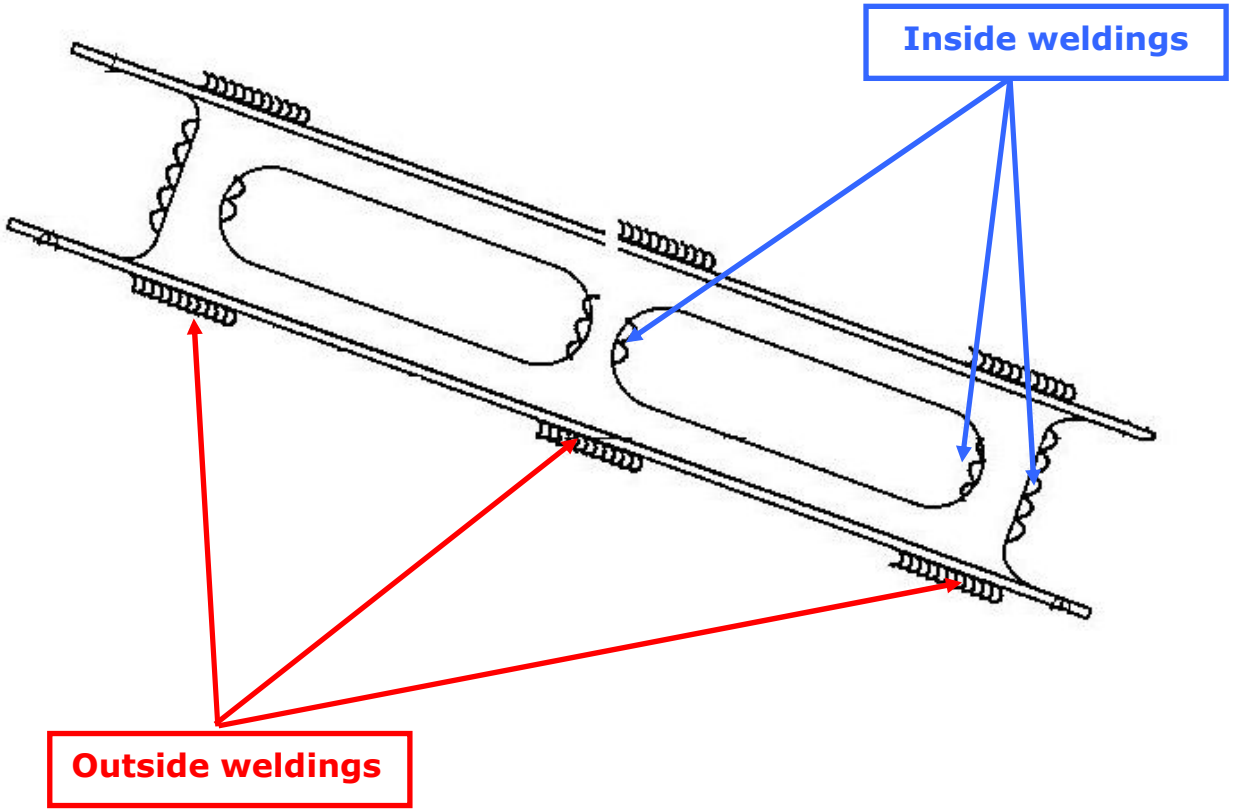
HYDRAULIC HAND BRAKE ASSEMBLY 1/2

A	Unweld and take off the standard hand brake mounting, and its reinforcement.		
A	Strip welding areas.		

Locate the master cylinder bracket by following instructions below, and tack weld it.

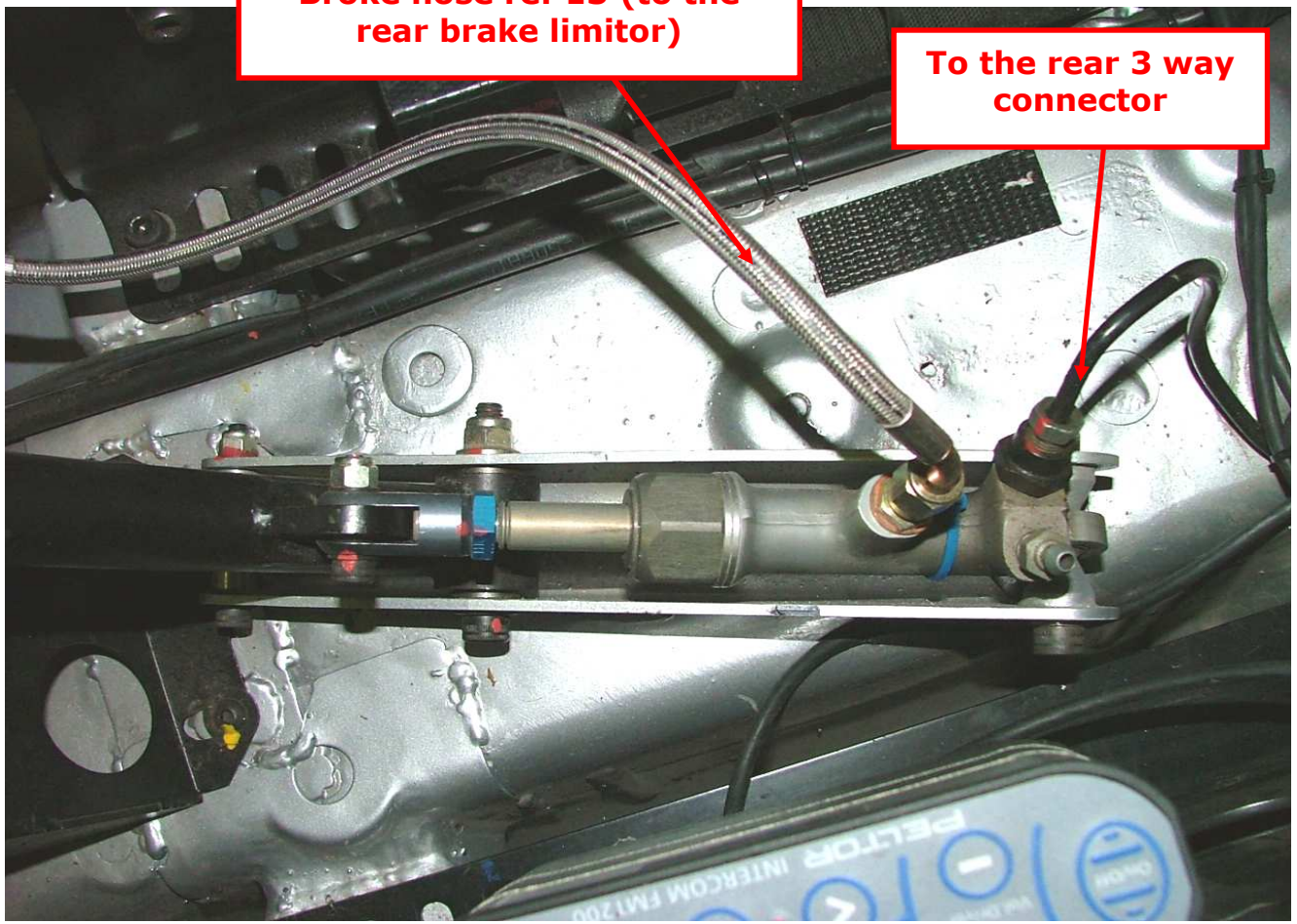


Weld by discontuned sims the master cylinder brackets, inside and outside, as shown on the drawing below :

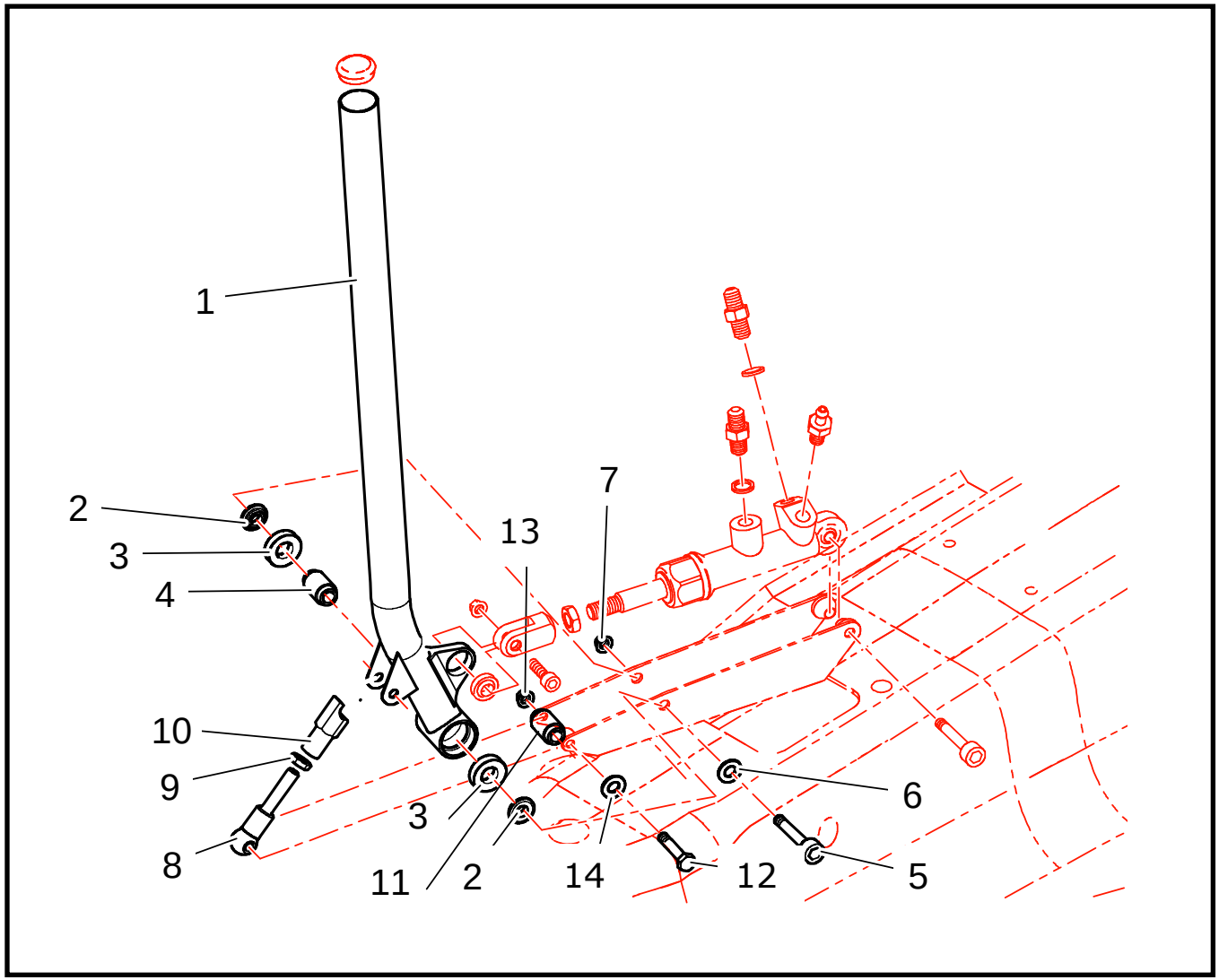


	Final result : 	
	Assembly the lock nut of the master cylinder, and the clevis.	
	Assembly both connectors on the master cylinder (*ref 7 and 11*) with both copper rings (*ref 6 and 12*).	**1.5** m.kg
	Master cylinder fitting screw torque (*ref 8*)	**2** m.kg + Loctite **242**
	Lever / master cylinder screw (*ref 4*)	**1.5** m.kg + Loctite **242**

Final result :

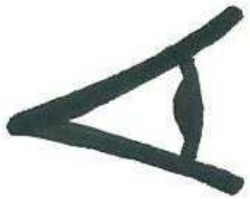


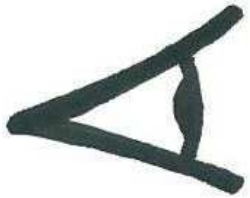
F71 : VERTICAL HYDRAULIC HAND BRAKE 2/2 (Optional)



REF	PART NUMBER	QTY	DESCRIPTION
1	1F7160380A	1	Hand brake lever
2	1G2241233A	2	Lever ring
3	PS89648A10	2	Ø24x12x6 ball bearing
4	1F7143364A	2	Ball bearing spacer
5	PS82048A10	1	M8 l55 cl12.9 Alen screw
6	CS440031ST	1	Ø8x18x1.5 flat washer
7	BCSP693999	1	M8 self locking nut
8	1F7162486A	1	Lever male hand brake locking link
9	PS74022A10	1	M8 H nut
10	1F7145663A	1	Lever femelle hand brake locking link
11	1F7162511A	2	Hand brake locking spacer
12	PS82056A10	1	M6 l55 cl12.9 alen screw
13	PS74030A10	1	M6 self locking nut
14	BCSP694777	2	Ø6x12x1.2 flat washer
15			

HYDRAULIC HAND BRAKE ASSEMBLY 2/2

	Check ball bearings locations on the lever. It has to be clean, without paint or oxydation. If necessary, clean it with **N°600 sand paper**.	
	Apply softly some 648 Loctite on the external ball bearing housing (*ref 3*). Assembly the ball bearing in the lever with a vise and a socket (same diameter than the external ball bearing). The bearing has to be stopped by the lever shoulder.	Loctite N° **648**
	Assembly the ball bearing spacer (*ref* 4) on the ball bearing assembled in the lever.	
	Assembly the second ball bearing in the lever, in the same way than the first one.	Loctite N° **648**
! ! !	Don't forget to assembly both lever ring when you assembly the lever on the master cylinder bracket.	
	Hand brake locking (<u>the adjustment will be done at the end,</u>) : assembly the nut (*ref 9*) on the male link (*ref 8*), and assembly the femelle link (*ref 10*).	

! ! !	Assembly the hand brake locking link. The link has to be between both spacers (*ref 11*), don't forget it !!!	
	Hand brake locking link screw (*ref 14*) torque	**2** m.kg + Loctite **242**
	Assembly the hand brake lever on the bracket, and torque the screw (*ref 5*)	**3.5** m.kg + Loctite **242**
	**Apply some « 3M Velcro » on the lever and on the gear lever mounting. This way, during stage and during a hand brake the link will never be « on ».**