Lagondaforum: Dual system brakes...

Dual system brakes...

Written by randall977 at Sep 24, 2013 7:35 am

I'm replacing all of the brake pipes on the Rapide in Cunifer pipework and I realised that the duel system (as setup on the Rapide) has no safety benefit if one system looses pressure...

The brake pedal is connected to the two master cylinders with a bar which is pivoted in the middle (see photo below; taken a while ago) . If one system looses pressure the bar pivots and therefore does not allow you to operate the good side effectively - the pedal hits the floor.

I found this to be the case when I bled one system and tried the brakes.

Just an observation!

Re: Dual system brakes...

Written by ray sherratt at Sep 24, 2013 6:41 pm

Hi Christian,
Make shaw the correct size cylinders are fitted and the rightway round. On competition setups the bar is adjustable by means of threaded bar and yokes. On your system the bar should lock against the yoke, the master cyl is threaded into. Meaning the pedal should push the good system to brake the car.
Ray.

Re: Dual system brakes...

Written by randall977 at Sep 24, 2013 10:33 pm

Thanks Ray, I think I know the master cylinders you mean - with threaded rods. What happens if one side requires more pressure than the other - such as the rear (as it has a longer run of pipe)? If the rods are locked to the yolk won't it bias one side etc?

Re: Dual system brakes...

Written by ray sherratt at Sep 25, 2013 6:17 pm

Hi Christian.
I assume the system on your car is a front\rear split, and not split diagonal front\rear. Anyway the lenght of pipe makes no differance on presure that the front or rear cyls see on entry into that cylinder. It would be nice to see a close up of the bias bar assembly if you could post it on the site.
Ray.

Re: Dual system brakes...

Written by ray sherratt at Sep 25, 2013 6:34 pm

Hi Christian
On taking a 400% increase in viewing the picture I see that your dias is prodution fixed. the bar between the cyls is set to give the correct presure front\rear. If the clevis pin is in the centre of the yokes and the cyls are the same size ,then the presure produced will be the same from each cylender.

Ray.

Ps. It would be nice to see some close pics of the setup.

Re: Dual system brakes...

Written by randall977 at Sep 25, 2013 9:38 pm

Hi Ray, you know your stuff! I will get a close up pic soon...
