

Front Brake Master-Cylinder
 Supplies brake fluid (under pressure) to:
 The Left-Front Brake Caliper (two non-center pistons).
 The Right-Front Brake Caliper (two non-center pistons).

Rear Brake Master-Cylinder
 Supplies brake fluid (under pressure) to:
 The Rear Brake Caliper (center piston).
 The 2-Stage Delay Valve.
 The Secondary Master Cylinder.

2-Stage Delay Valve
 Directs brake fluid to the Left-Front Brake Caliper (center piston), before directing fluid to the Right-Front Brake Caliper (center piston). This aids in controlling 'nose dive' during braking.

Right Front Brake Caliper
 A 3-piston Brake Caliper design, mounted directly to the Right-Side lower Front Fork casting. Where the two non-center pistons are operated by the Front Master-Cylinder, and the remaining center piston is operated by the Rear Master-Cylinder.

Left Front Brake Caliper
 A 3-piston Brake Caliper design, mounted to a pivoting bracket attached via a bearing to the Left-Side lower Front Fork casting. Where the two non-center pistons are operated by the Front Master-Cylinder, and the remaining center piston is operated by the Rear Master-Cylinder.

Secondary Master Cylinder (SMC)
 A Master-Cylinder mounted to the same pivoting bracket as the Left Front Brake Caliper, that receives brake fluid (under pressure) from the Rear Master-Cylinder, and supplies brake fluid (under pressure) to the Proportion Control Valve.
 The SMC is actuated by the rotational energy imparted to the Left-Front Brake Caliper when the brake caliper is energized.

The SMC is the 'linking' device in Honda's Linked Brake System.

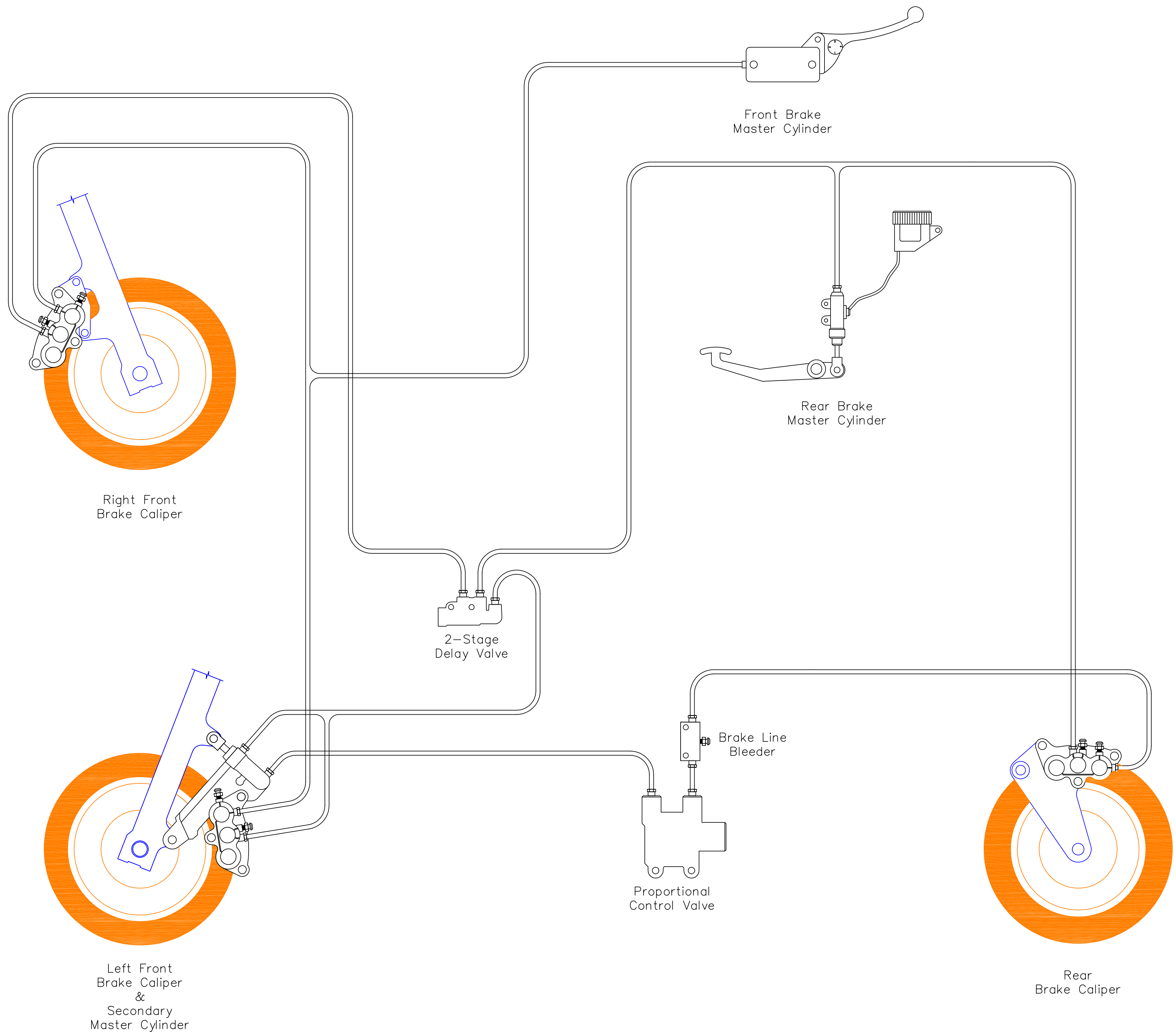
3-Stage Proportional Control Valve (PCV)
 Limits the maximum pressure of the brake fluid going to the Rear Brake Caliper two non-center pistons. Additionally at extreme braking the PCV reduces the previously limited fluid pressure applied to the Rear Brake Caliper two non-center pistons.

This aids in controlling rear wheel lockup during braking.

Rear Brake Caliper
 A 3-piston Brake Caliper design, mounted directly to the Left-Side Rear Swing Arm. Where the two non-center pistons are operated by the SMC, and the remaining center piston is operated by the Rear Master-Cylinder.

Brake Line Bleeder(s)
 There are a total of 7 Bleeder Valves employed in this system.
 2 Bleeder Valves for the Front Master-Cylinder fed circuit:
 1 At the Left Front Brake Caliper.
 1 At the Right Front Brake Caliper.

5 Bleeder Valves for the Rear Master-Cylinder fed circuit:
 1 At the Left Front Brake Caliper.
 1 At the Right Front Brake Caliper.
 2 At the Rear Brake Caliper
 1 Adjacent to the SMC.



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JOB

'06 HONDA ST1300

TITLE

COMPONENTS OF HONDA DCBS

DATE

SCALE

SHOW NO.

DRAWING NO.

REVISION

Revisions	
23.July.2014	Added bleed screws to brake calipers
8.Aug.2016	Drawing & Notes Clean-up

22.March.2017

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DRAWN BY

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