■ BRAKE CONTROL VALVE

1. General

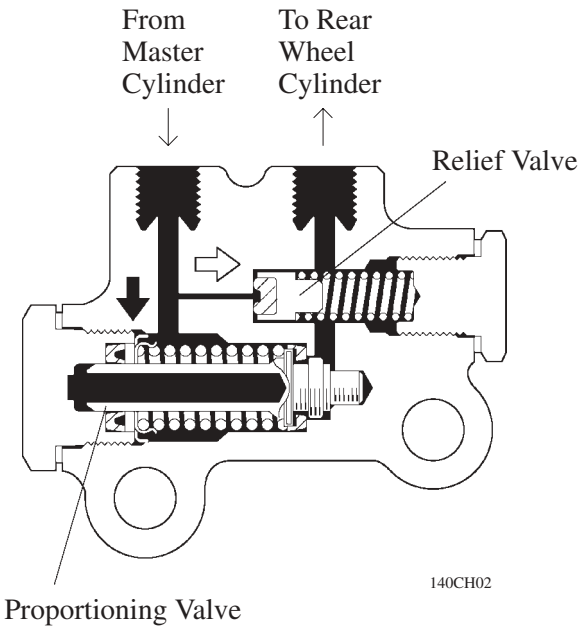
The LSP & BV is used on the models for Europe and Australia.
The LSPV is standard equipment and the LSP&BV is optional equipment for the brake control valve on the models for G.C.C. Countries. The LSPV is standard equipment on the models for China.
On the models for General Countries except China, a new blend valve has been adopted for the brake control valve.

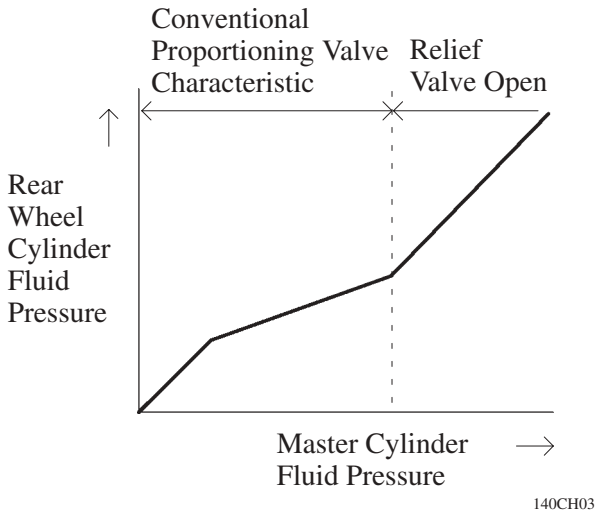
2. Blend Valve

The blend valve, a type of proportioning valve to which a relief valve has been added, is a brake control valve which regulates the hydraulic pressure that is applied to the rear wheel cylinders in accordance with the amount of pedal effort.
By rendering the front/rear wheel distribution of the braking force closer to the ideal distribution ratio, it increases the rear wheel braking force if additional braking force is needed for the rear wheels, such as when carrying a load.
The blend valve realizes excellent serviceability because no adjustments are necessary when mounting it on the vehicle.

Construction and Operation

A blend valve consists of a proportioning valve and a relief valve.
As the relief valve is closed under low pressure (➡), the blend valve performs the function of an ordinary proportioning valve.
Under high pressure (⇨), as the relief valve opens and the master cylinder hydraulic pressure is applied to the wheel cylinders, the pressure reduction gradient becomes "1", causing the braking force of the rear brakes to increase when carrying a load.





Fluid Pressure Characteristic

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