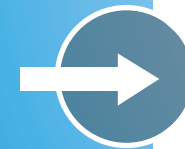




Automatic Controls

It always helps to use
the right tool for the job ...



For all
tractor
brands



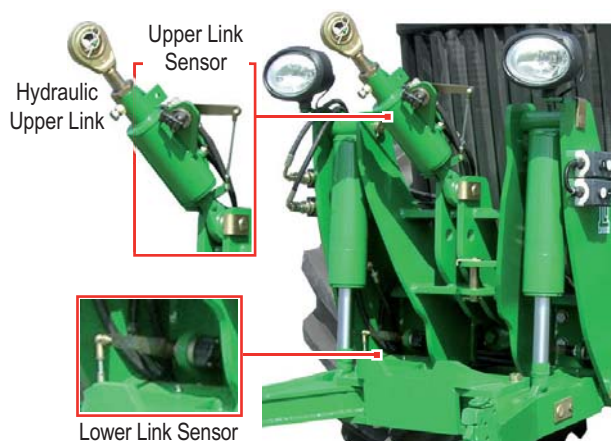
Automatic Controls for Front Hitch Systems

The surface of your fields is not absolutely flat... and that has direct impact on the quality of work of both front - and rear implements because it generates an uneven working depth.

Achieving the correct working depth is essential.

Working the ground too deep puts unnecessary strain on the equipment and it WASTE FUEL... A too shallow working depth will not give the desired result and might require an extra tillage pass.

Equipping your front hitch system with LAFORGE Automatic Controls improves your productivity, comfort, and the quality of your work. The Automatic Position and Traction Control, in combination with the DYNACONTOUR® Ultima provides simplified operation, improved implement performance, and maximum tractor productivity while at the same time saving fuel.



DYNACONTOUR® components

Automatic Position and Traction Control

Position and Traction Control improves the tractor performance by continuously adjusting the front hitch in relation to the tractor's level of slippage.

The operator simply decide, on the control box, when the tractor slippage percentage should be used as maximum reference as well as how much the working depth is allowed to deviate. The control then takes over and automatically activates the lift cylinders as required by the amount of slippage.

The tractor will operate at peak performance thanks to the automatic connection between the slippage level and the front hitch.

The Automatic Position and Traction Control incorporates settings for «down pressure» and «float».

Automatic Position and Traction Control components

- Control box in the cab
- Independent Proportional Electronic Valve
- Sensor(s) on the hitch
- Front mounted switch for the hitch



Compatible with all tractor brands*

* Requires tractor to be equipped with Load Sensing Hydraulic System and ISO bus 11783.

DYNACONTOUR® Ultima

DYNACONTOUR® Ultima takes performance beyond Position and Traction Control, and Weight Transfer System, by adding real time field contour following.

DYNACONTOUR® works by continuously sensing the length of the upper link and uses this information to automatically control the position of front hitch. According to the surface of the field, the length of upper link will increase or decrease. The information is used to automatically adjust the position of the lower links to assure a constant working depth.

The Weight Transfer completes the device by continuously transferring a portion of the weight of the implement from the gauge wheel(s) to the tractor.

This transfer of weight to the tractor's front axle improves steering and reduces slippage.

The full benefit of DYNACONTOUR® is available without any need for a separate adjustment or control.

DYNACONTOUR® Ultima components

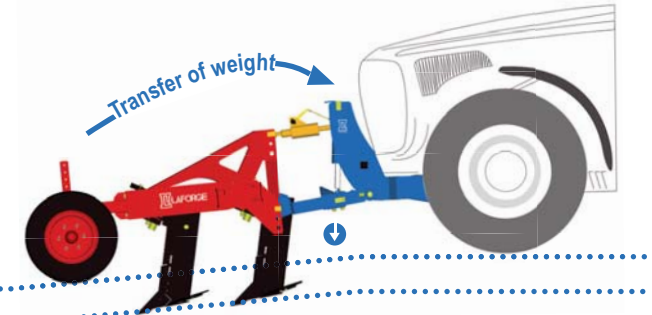
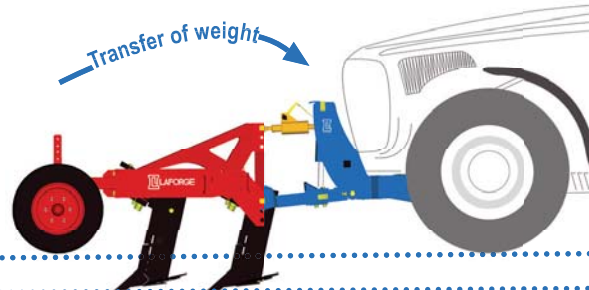
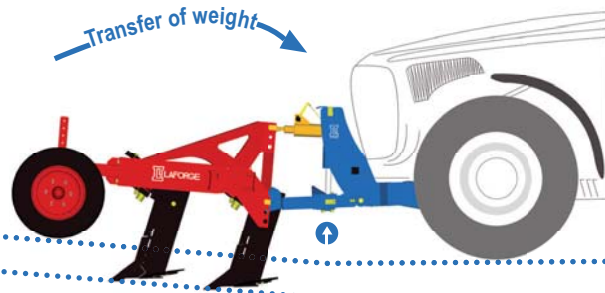
- Automatic Position and Traction Control
- Weight Transfer Kit with hydraulic upper link
- Front mounted switch for the upper link
- Upper link Sensor

Position and Traction Control &

DynaContour

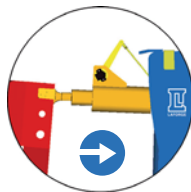
Working principle of DYNA CONTOUR® Ultima

➔ Not just position control: real depth control!

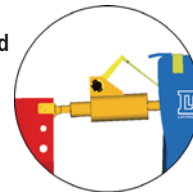


▶ Starting uphill

The upper link cylinder is compressed and the hitch is automatically adjusted upward to compensate.



▶ On flat ground



▶ Starting downhill

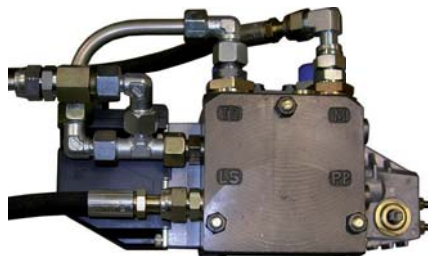
The upper link cylinder is stretched and the hitch is automatically adjusted downward to compensate.



An ergonomically designed, and conveniently mounted, control box lets you operate all hitch functions comfortable from the driver seat.



Front mounted switch



Independent, proportional electro-hydraulic valve

JOHN DEERE

Example of installation on



CLAAS

Example of installation on



CNH

Example of installation on





DynaContour®

Gold Medal
INNOVATION AWARDS
SIMA 2005



Patented



About LAFORGE:

LAFORGE – the expert in tractor / implement interaction – has been developing the most complete range of front hitches, front PTO, and automatic controls for almost 30 years, as a competitive and reliable response to market demands.

LAFORGE is also the name of a line of front- and rear mounted implements (ripper, dozer blade, FLEXIMASS) designed especially to optimize the use and performance of the tractor, thanks to our unique expertise in tractor / implement interaction.



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LAFORGE, the tractor / implement interaction