

### Overview

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All DEVELON Wheel Loaders can be equipped with hydraulic auxiliary lines. This equipment increases the machine's versatility when using work tools that require hydraulic supply.



### Hydraulic Lines – Differentiation

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Wheel Loaders are always equipped with 2 hydraulic valves (*also called spools*), which drive 2 essential functions on the loader:

- 1<sup>st</sup> function: Lift the arm up and down.
- 2<sup>nd</sup> function: Bucket crowding and dumping.

Other lines can be fitted on wheel loaders to power a work tool. These lines are called Hydraulic Auxiliary Lines:

- 3<sup>rd</sup> function: Power a hydraulic ram or a hydraulic motor – for example, opening a high dump bucket, or supplying a concrete mixer bucket.
- 4<sup>th</sup> function: Power another hydraulic ram or a hydraulic motor – for example, opening a high dump bucket with a grapple, or a hydraulic sweeper (broom and orientation)

## Machine Configuration

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The entire range of DEVELON Wheel Loaders are equipped with the 3<sup>rd</sup> function as standard equipment.

Model	1st & 2nd functions	3rd function	4th function
DL200-5	✓	✓	option
DL200TC-5	✓	✓	option
DL220-5	✓	✓	option
DL250-5	✓	✓	option
DL250TC-5	✓	✓	option
DL280-5	✓	✓	not available
DL300-5	✓	✓	not available
DL350-5	✓	✓	not available
DL420-5	✓	✓	not available
DL450-5	✓	✓	not available
DL550-5	✓	✓	not available

Note: Most of the competitor machines do *not* have the 3<sup>rd</sup> function as standard – the 3<sup>rd</sup> function is an option!

## The benefits of having the 3<sup>rd</sup> function as standard

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Customers can increase the versatility of their machines and power hydraulic work tools via the 3<sup>rd</sup> function – so, having the 3<sup>rd</sup> function as standard means *no* expensive modification!

This feature also gives you more versatility when reselling the unit on the second-hand market, following the customer's request.

## Quick Coupler Lines vs 3<sup>rd</sup> Function Lines

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The 3<sup>rd</sup> function does not lock & unlock a DEVELON quick coupler! The quick coupler powering comes from the 2<sup>nd</sup> function (i.e. the bucket function). This is a separate orderable kit but comes included with a DEVELON quick coupler.

The 3<sup>rd</sup> function is independent and available to supply any other work tool.

# Wheel Loader Hydraulic Auxiliary Lines

# DEVELON

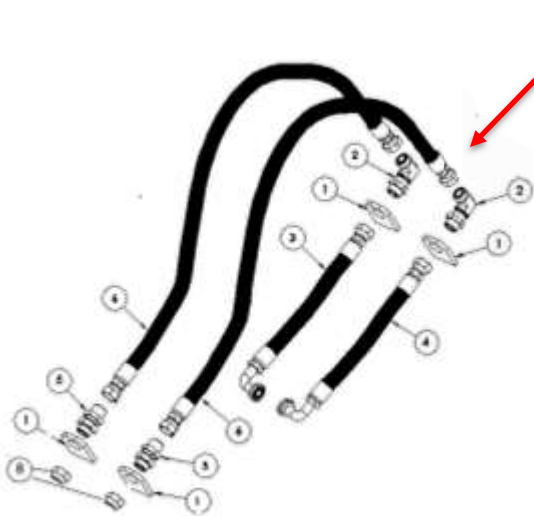
## Piping Kit Parts Information

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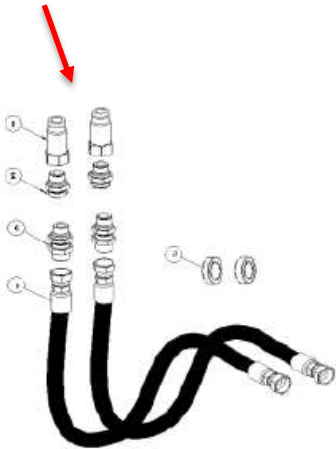
The main hydraulic valve fitted on these models already have a dedicated valve for the 3<sup>rd</sup> hydraulic function. All hydraulic lines are connected inside the machine and 2 hydraulic connections are installed on the front frame.



To connect and power the attachment, a *Piping Kit* is required on the lift arm.



A *Jumper Hose Kit* is required to connect the piping kit directly to the attachment.



## Wheel Loader Hydraulic Auxiliary Lines

# DEVELON

Model	Description	Part Number
DL200-5	3rd function Piping Kit - Standard Arm	*REF: Fig No. 5220
	3rd function Piping Kit - High Lift Arm	*REF: Fig No. 5230
	Jumper Hose Kit - Standard Arm	940301-13491
	Jumper Hose Kit - High Lift Arm	940301-13499
DL200TC-5	3rd function Piping Kit	*REF: Fig No. 5170
	Jumper Hose Kit - Standard Arm	940301-13500
DL220-5	3rd function Piping Kit	*REF: Fig No. 5180
	Jumper Hose Kit - Standard Arm	940301-13491
	Jumper Hose Kit - High Lift Arm	940301-13499
DL250-5	3rd function Piping Kit	*REF: Fig No. 5220
	Jumper Hose Kit - Standard Arm	940301-14769
	Jumper Hose Kit - High Lift Arm	940301-13263
DL250TC-5	3rd function Piping Kit	*REF: Fig No. 5180
	Jumper Hose Kit - Standard Arm	940301-13501
DL280-5	3rd function Piping Kit	940301-10042
	Jumper Hose Kit - Standard Arm	940301-13014
	Jumper Hose Kit - High Lift Arm	940301-13015
DL300-5	3rd function Piping Kit	940301-10042
	Jumper Hose Kit - Standard Arm	940301-13014
	Jumper Hose Kit - High Lift Arm	940301-13015
DL350-5	3rd function Piping Kit	940301-10042
	Jumper Hose Kit - Standard Arm	940301-13014
	Jumper Hose Kit - High Lift Arm	940301-13015
DL420-5	3rd function Piping Kit	940301-13016
	Jumper Hose Kit - Standard Arm	940301-13017
	Jumper Hose Kit - High Lift Arm	940301-13018
DL450-5	3rd function Piping Kit	940301-13016
	Jumper Hose Kit - Standard Arm	940301-13017
	Jumper Hose Kit - High Lift Arm	940301-13018
DL550-5	3rd function Piping Kit	940301-13019
	Jumper Hose Kit - Standard Arm	940301-13020
	Jumper Hose Kit - High Lift Arm	940301-13021

*\*Reference figure numbers on GPES EPC for part numbers*