SERVICE MANUAL

T1254B

T1404B

Tractor

Part number 48144036
1st edition English
August 2017

NEW HOLLAND AGRICULTURE

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	Tool No.	Description
	380000543	Quick Release Adaptor

Power shuttle transmission - General specification

Type 24x24	24 forward and 24 reverse speeds, using straight cut gears, two multi-wet plate clutches and friction cone synchronizers
Control system	Electro-hydraulic with electronic management system

Hydraulic Control Valve

Type	Separate casting, with internal cast-in galleries
Control	Electronically operated solenoid coils controlled by electronic management system

Multi-Wet Plate Clutches

Type		Constant running, pressure lubricated, pressure applied, spring released
Number of friction plates		6 pieces in each clutch
Number of steel plates		5 pieces in each clutch
Number of belleville washers		7 pieces in each clutch
Belleville washer stack height check	Free Height	**25.9 mm (1.02 in)**
	Loaded Height **2400 N (539.5 lb)**	**12.6 mm (0.50 in)**
Number of separating springs		6 pieces in each clutch
Separating spring height check	Free Height	**5.08 mm (0.20 in)**
	Loaded Height **180 N (40.5 lb)**	**2.67 mm (0.105 in)**
	Loaded Height **422 N (94.9 lb)**	**1.88 mm (0.074 in)**
Operating pressure		**17 – 19 bar (246.50 – 275.50 psi)**

Adjustments

Output shaft end float	**0.038 – 0.089 mm (0.0015 – 0.0035 in)**
Output shaft end float adjustment shims available	**0.076 mm (0.0030 in), 0.125 mm (0.0049 in), 0.305 mm (0.0120 in), 0.762 mm (0.0300 in)**
C1 cluster gear shaft end float	**0.050 – 0.075 mm (0.0020 – 0.0030 in)**
C1 cluster gear shaft end float adjustment shims available	**0.076 mm (0.0030 in), 0.125 mm (0.0049 in), 0.305 mm (0.0120 in), 0.762 mm (0.0300 in)**
Clutch plate set height	**24.2 ±0.1 mm (0.9528 ±0.0039 in)**
Clutch steel plate thicknesses available	**2 mm (0.0787 in), 2.2 mm (0.0866 in)**
Adjustable link rod	**83.5 – 84.9 mm (3.2874 – 3.3425 in)**

NOTE: *The driveline oil specification and capacity is described in* ***Consumables ()*** *.*

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5043 - Rear PTO Fender Switch Stuck On

NOTE: *When the cause of the error code has been rectified, clear the error code and test the system for normal operation.*

Cause:

Possible failure modes:

1. Faulty PTO fender switch
2. Faulty connector

Solution:

1. Check the rear PTO fender switches for signs of sticking.
   A. If the PTO fender switch(es) show signs of sticking, remove and replace the PTO fender switch(es).
   B. If the PTO fender switch(es) are not sticking, continue to step **2**
2. Check for other PTO fender switch error codes.
   A. If other PTO fender switch error codes are present, continue to these tests.
   B. If no other error codes are present, continue to step **3**
3. Check the rear left hand PTO fender switch connector **C257**, the rear right hand PTO fender switch connector **C258** and the controller connector **C128**.
   A. Ensure the connectors are connected, not damaged, the pins are in the correct position and that the fit is tight. Repair or replace as required.
   B. If the connectors are okay, test the system for normal operation. If the fault re-ocurrs, remove and replace the fender PTO switch(es).

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Rear three-point hitch electronic control system - Dynamic description

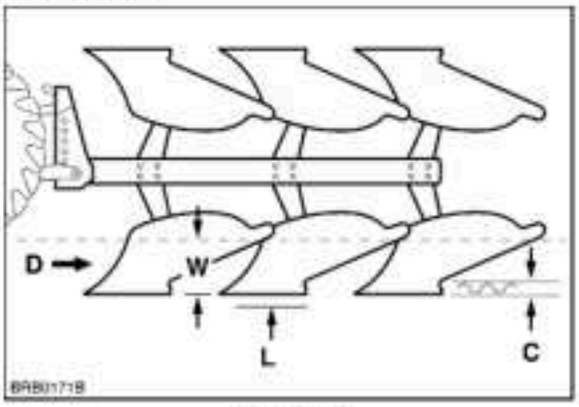
In draft control the working position of the lift arms is affected by the lift arm position control lever, draft loading control, draft sensitivity and slip limit control. All these controls interact with each other to achieve the desired operation of the hydraulic lift.

D Draft Load on Implement

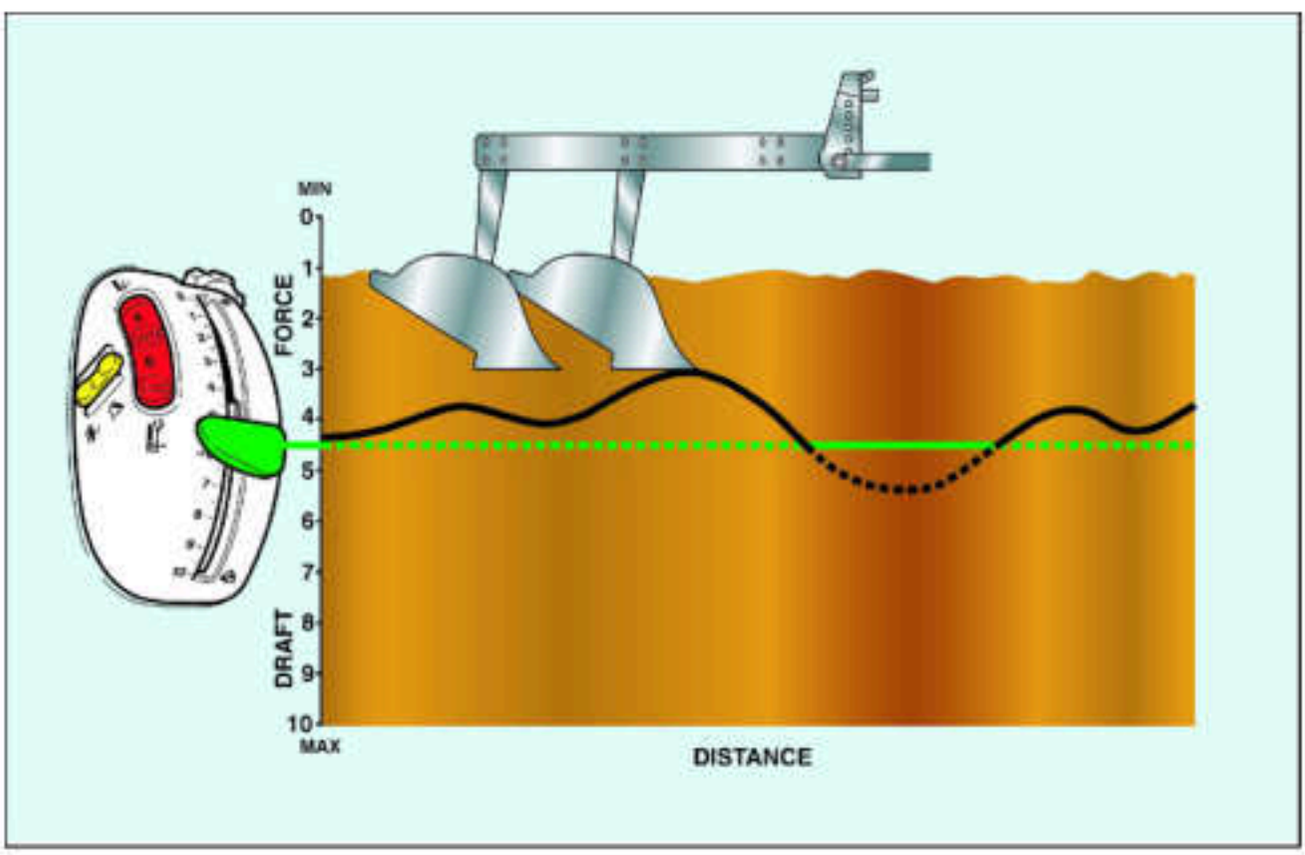
W Working Depth (Set by Draft Loading Control)

L Lower Limit (Set By Lift Arm Position Control Lever)

C Correction Band (Set by Sensitivity Control)



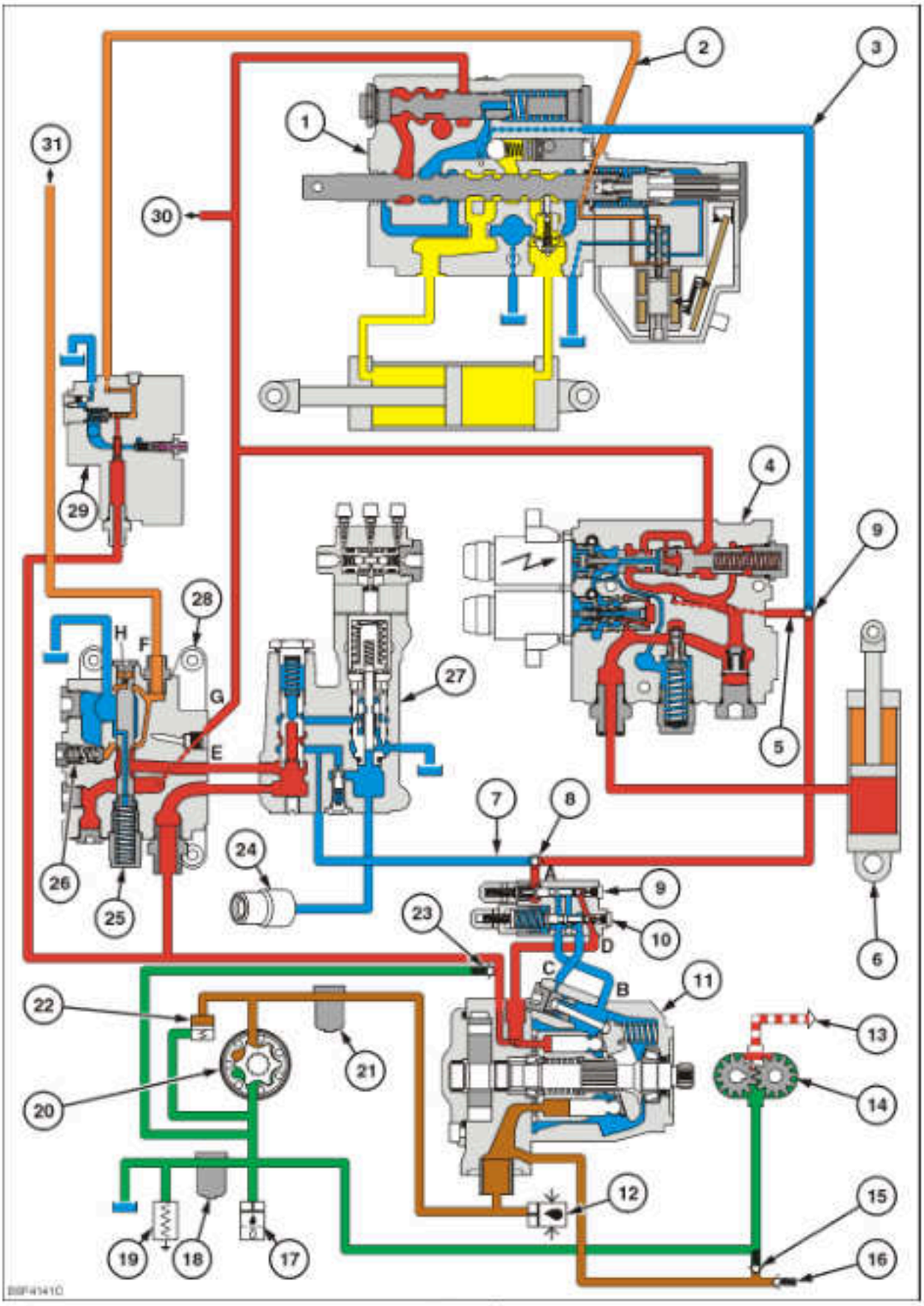
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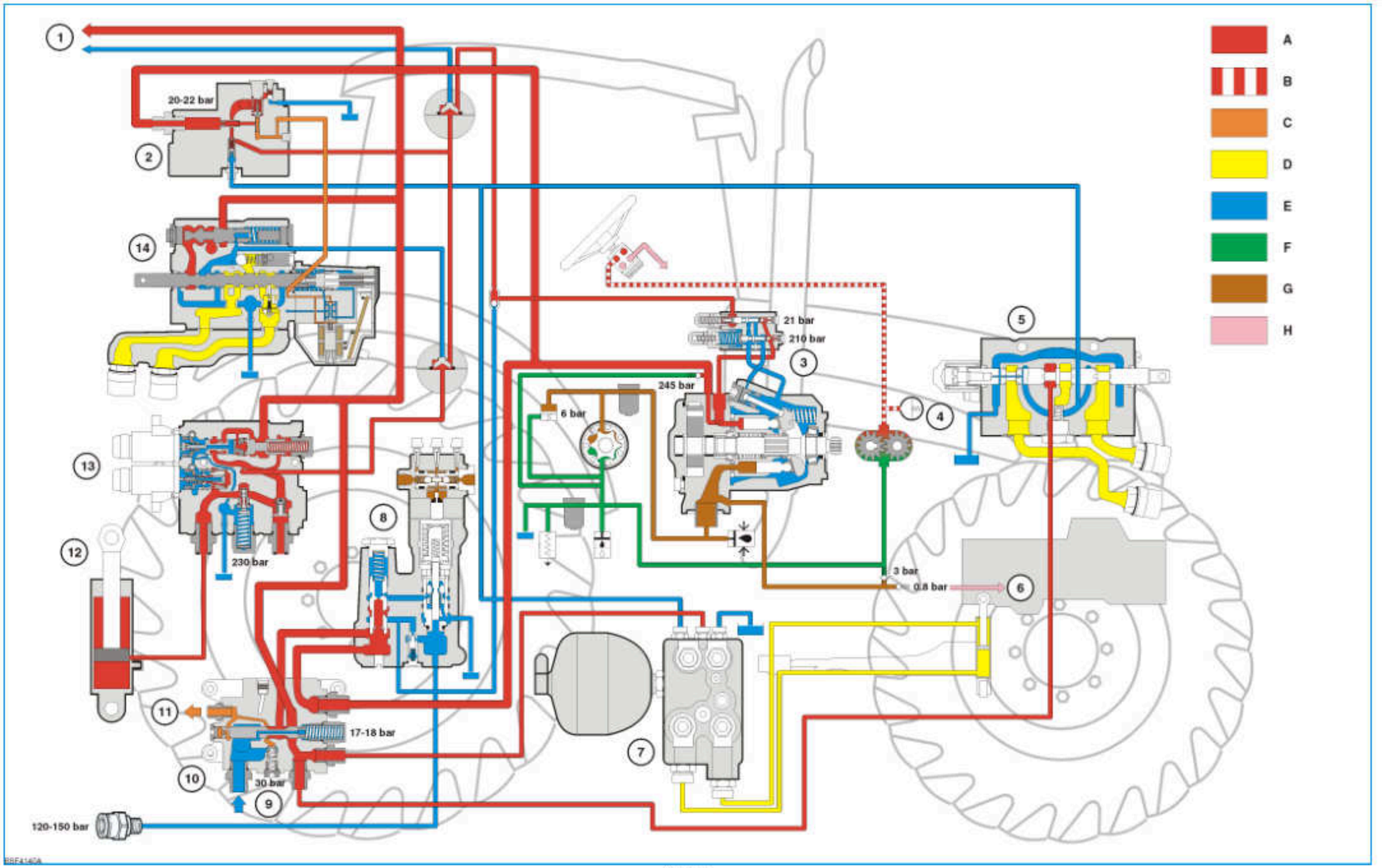
The lower limit working depth of an implement in the soil is controlled by the lift arm position control lever.

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