SERVICE MANUAL

T7.220 / T7.235 / T7.250 / T7.260 / T7.270 Auto Command
T7.220 / T7.235 / T7.250 / T7.260 Power Command
Tractor

Part number 47524331
English
May 2013

NEW HOLLAND
AGRICULTURE

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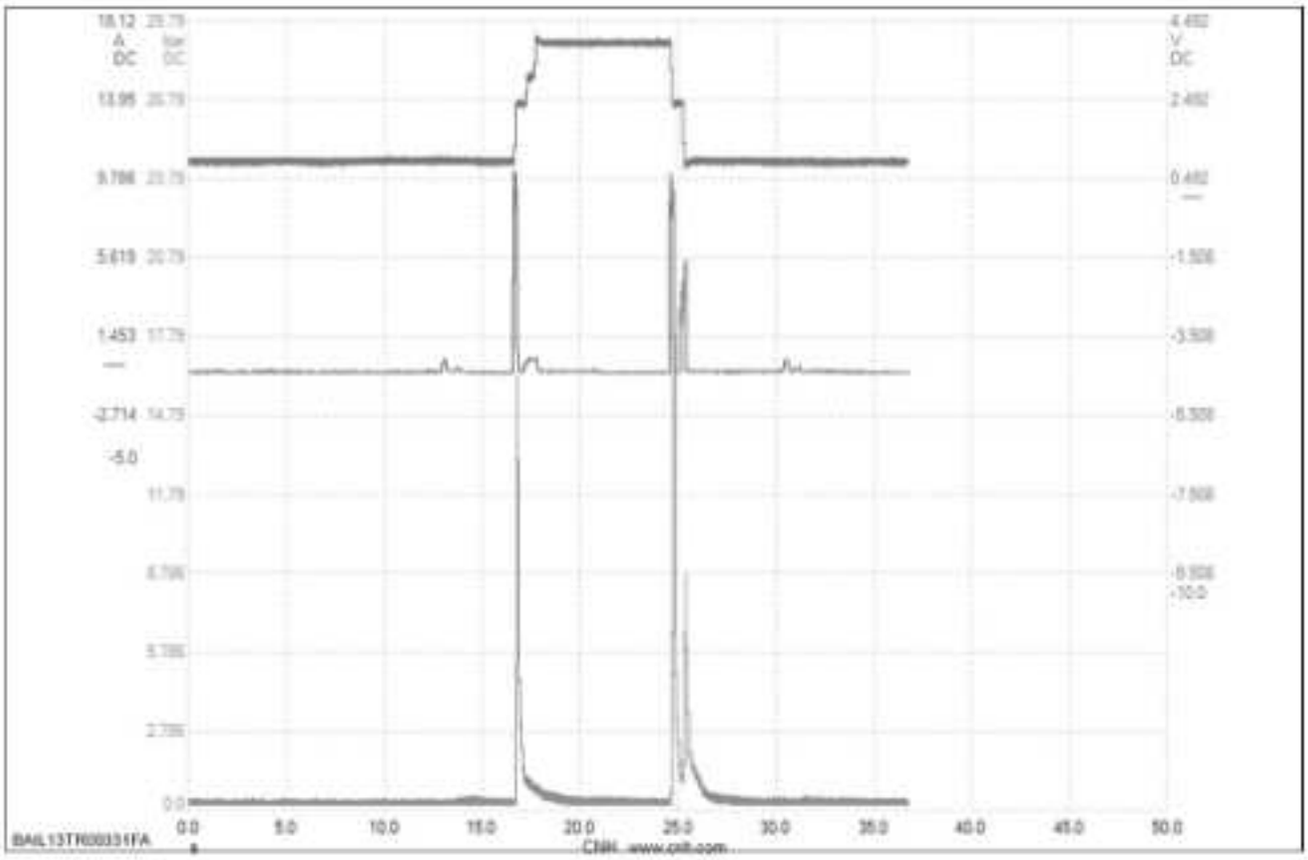
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NOTE: *An error code will be flagged if the synchronizer takes three attempts to engage. One to two attempts is normal.*



18. Above waveform shows another synchronizer engagement, in this test the synchronizer engages at the first attempt. It shows that the current reading (red) as there is only one ramp up of current during the engagement.

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Brake lines - Install

⚠ WARNING ⚠

Handle all parts carefully. Do not put your hands or fingers between parts. Wear suitable safety clothing - safety goggles, gloves and shoes.

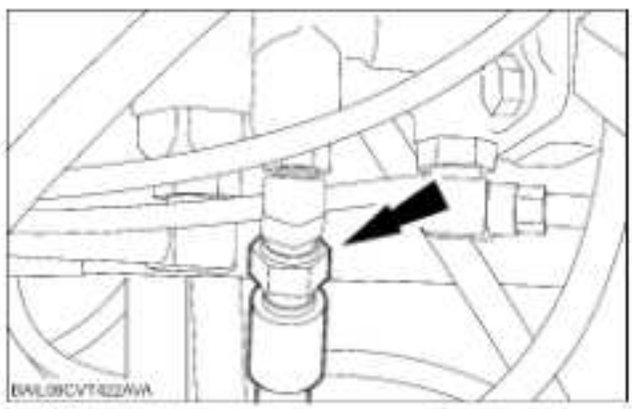
B026

⚠ DANGER ⚠

Lift and handle all heavy components using lifting equipment of appropriate lifting capacity. Make sure that units or parts are supported by suitable slings or hooks. Make sure that no-one is in the vicinity of the load to be lifted. Failure to comply could result in serious injury or death.

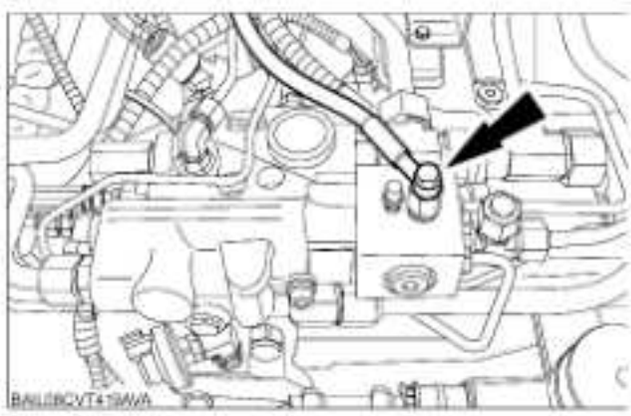
B012

1. Install the trailer brake signal line.



BAIL08CVT422AVA 1

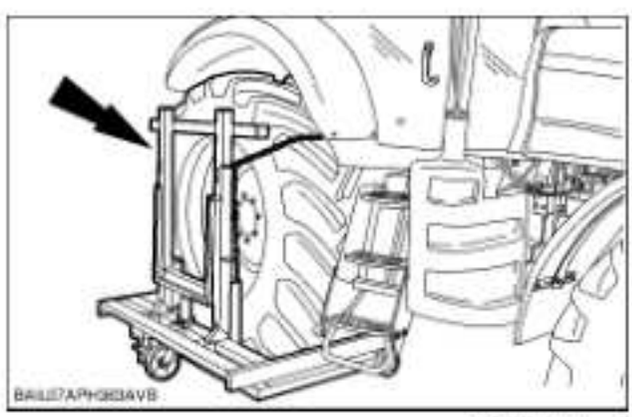
2. Connect the trailer brake signal line to the control valve.



BAIL08CVT419AVA 2

3. Bleed the brakes, for further information refer to **Hydraulic service brakes - Bleed (33.202)**.

4. Install the right-hand rear wheel.
Tighten to **250 Nm (184 lb ft)**



BAIL07APH083AVB 3

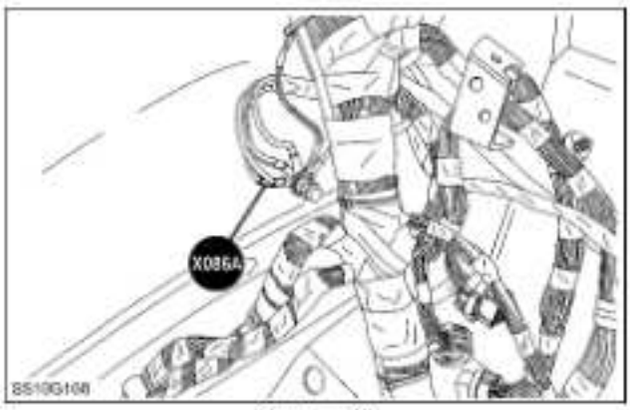
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X086A Earth Header 1

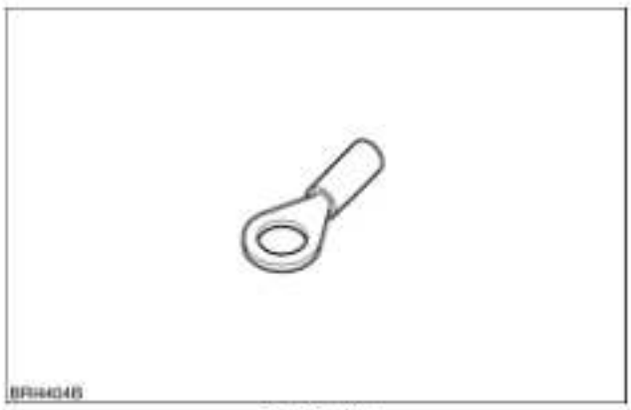
POS.	COLOR	WIRE NUMBER	CIRCUIT REFERENCE
1	**BK**	57	EARTH (ALL)

NOTE: *For the wiring color code refer to,* ***Wire harnesses - Identification (55.100).***

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T7.220, T7.235, T7.250, T7.260 Power Command - With Sidewinder



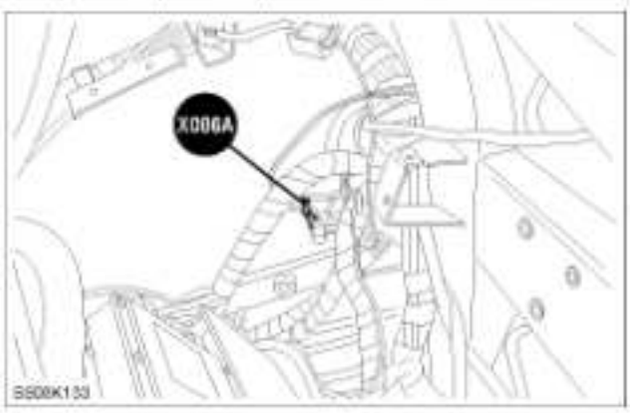
SS10G108 27



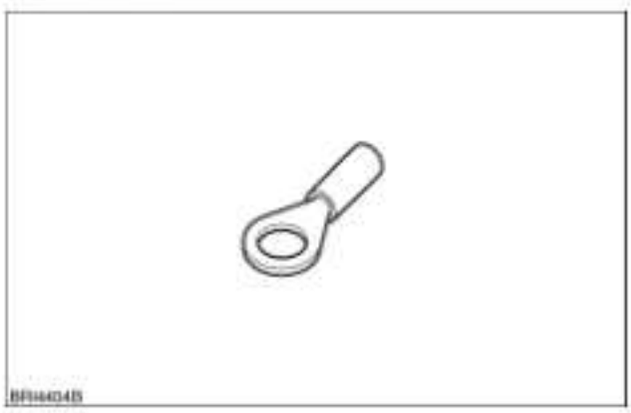
BR44048 28

BEHIND RIGHT HAND TRIM

T7.220, T7.235, T7.250, T7.260 Power Command - Without Sidewinder



SS08K133 29



BR44048 30

BEHIND RIGHT HAND TRIM

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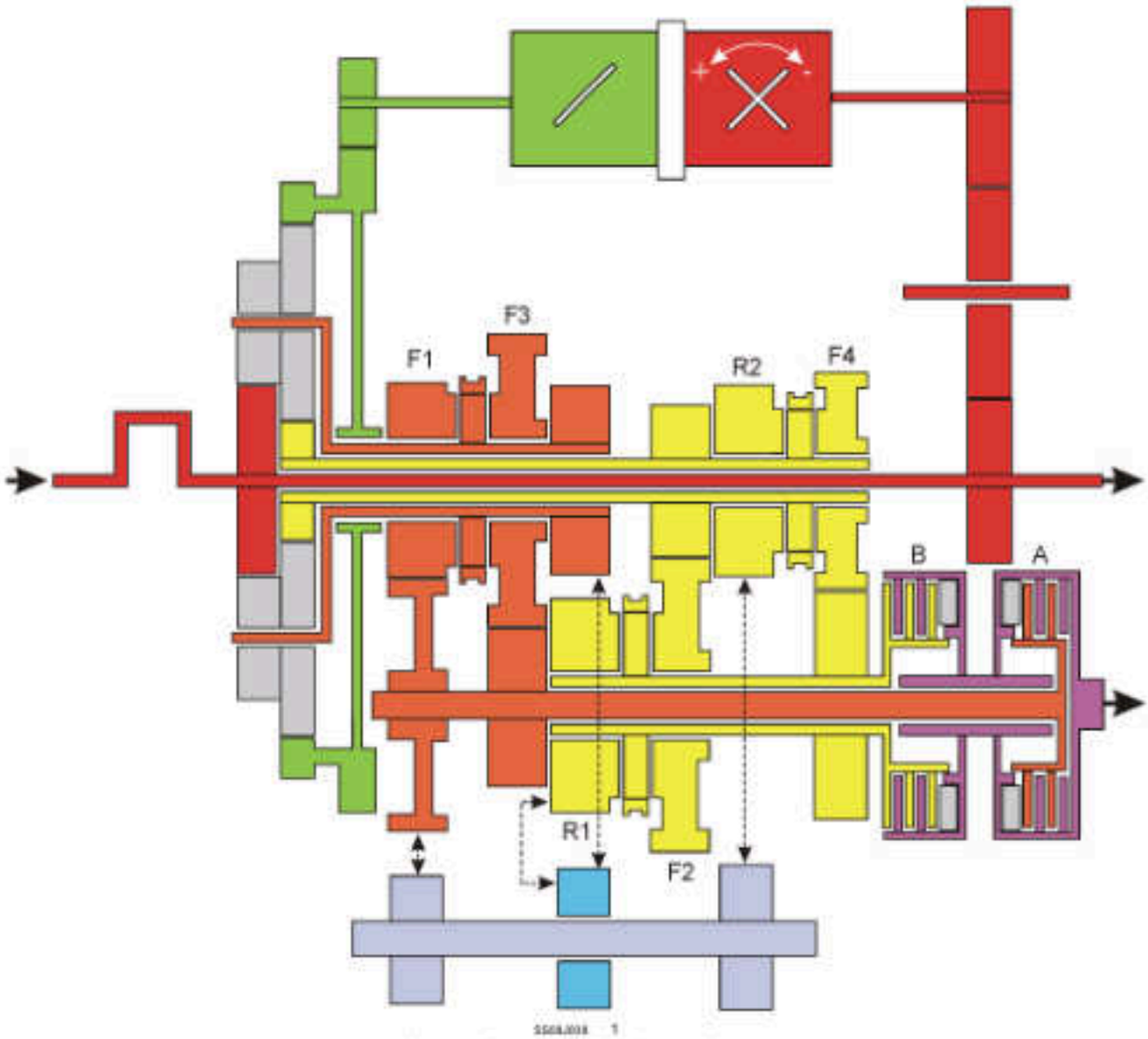
Continuously Variable Transmission (CVT) - Functional diagram

T7.220 AutoCommand 50 km/h gearbox, T7.220 AutoCommand 40 km/h ECO gearbox, T7.235 AutoCommand 50 km/h gearbox, T7.235 AutoCommand 40 km/h ECO gearbox, T7.250 AutoCommand 50 km/h gearbox, T7.250 AutoCommand 40 km/h ECO gearbox, T7.260 AutoCommand 50 km/h gearbox, T7.260 AutoCommand 40 km/h ECO gearbox, T7.270 AutoCommand 50 km/h gearbox, T7.270 AutoCommand 40 km/h ECO gearbox

The following diagrams show the power flow of the transmission in the individual mechanical gears and in the stationary control (powered zero) and neutral position / park position operating modes.

Colour coding

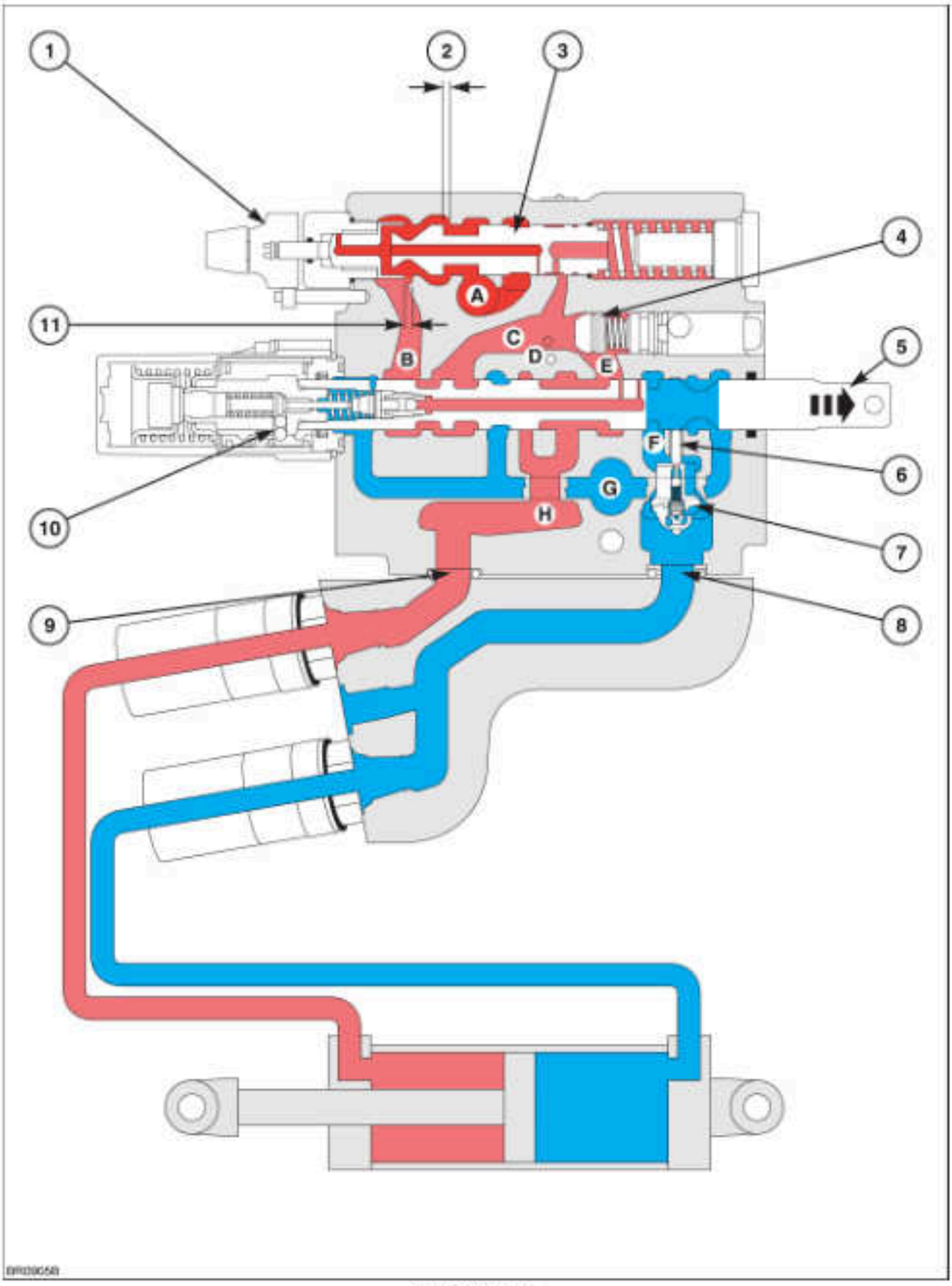
Transmission input and hydrostat drive	Hydrostat output - ring gear summing planetary gears
Power train summing planetary gear / planetary carrier - clutch A	Power train summing planetary gear / sun gear - clutch B
Power flow	



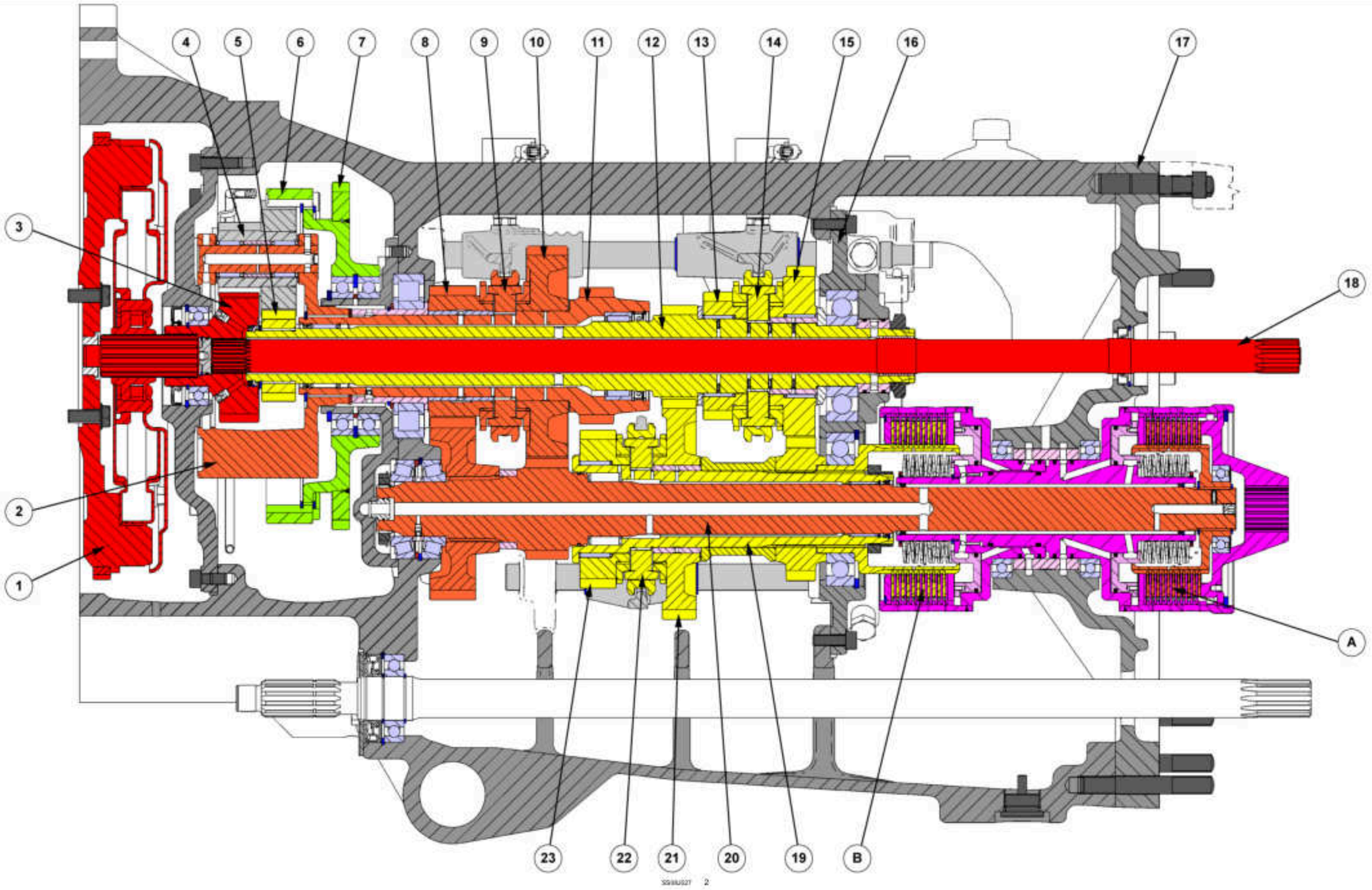
Neutral position / park position

In the neutral position and the park position the transmission is not engaged. No mechanical gear is engaged and the clutches A / B are open. If the tractor rolls off inadvertently in the neutral position, the speed differences arising as a result are equalized by the hydrostat. This means that when shifting out of the neutral position the relevant gear can be engaged again at the synchronous speed.

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