SERVICE MANUAL

T7.290 AutoCommand™
T7.315 AutoCommand™
TIER 4B (FINAL)
Tractor

PIN ZFEA01001 and above

Part number 48193174
English
November 2017

NEW HOLLAND AGRICULTURE

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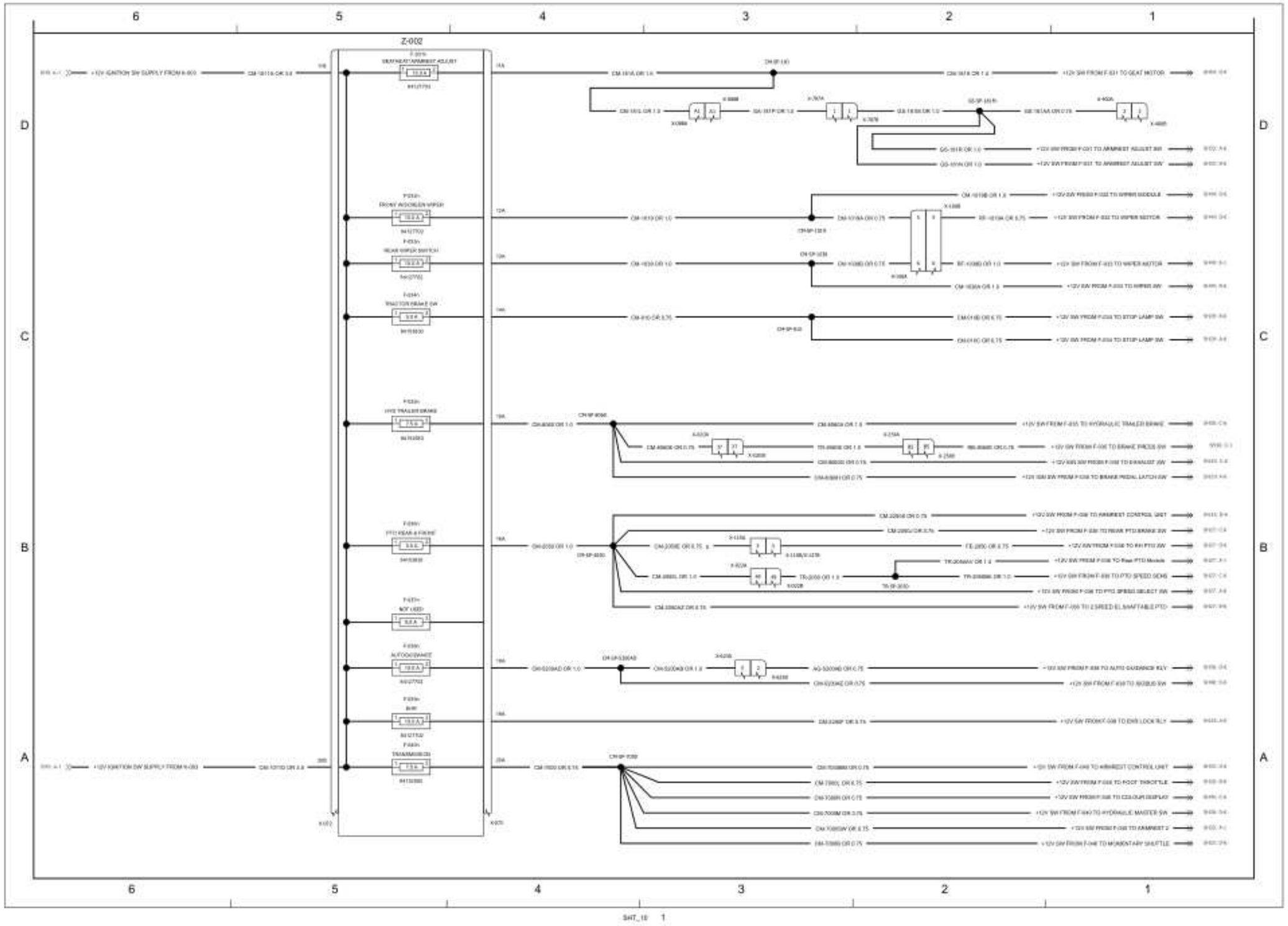
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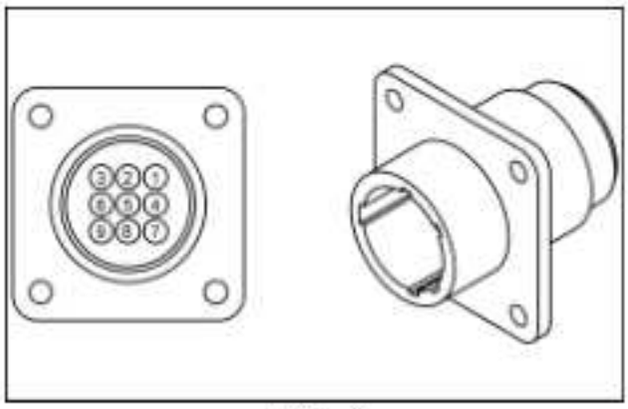
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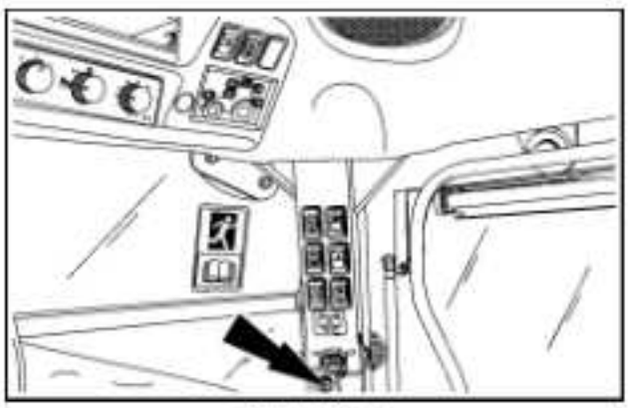
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X-938 - ISO JOYSTICK [A-019] (87702796) (Plug)



87702796 3

87702796



5VL16TP2054AA 4

Right-hand side C-pillar

Pin	From	Wire	Description	Color-Size	Frame
1	**X-938B (Plug) pin 1** ISO Joystick (Cab Harness Connec	SI-001F	SI-001F	YE - 1.0	**SHEET 59**
2	**X-938B (Plug) pin 2** ISO Joystick (Cab Harness Connec	SI-5900EC	SI-5900EC	GN - 0.5	
3	**X-938B (Plug) pin 3** ISO Joystick (Cab Harness Connec	SI-5900ED	SI-5900ED	GN - 0.5	
4	**X-938B (Plug) pin 4** ISO Joystick (Cab Harness Connec	SI-5910EC	SI-5910EC	YE - 0.5	
5	**X-938B (Plug) pin 5** ISO Joystick (Cab Harness Connec	SI-5910ED	SI-5910ED	YE - 0.5	
6	**X-938B (Plug) pin 6** ISO Joystick (Cab Harness Connec	SI-5920DC	SI-5920DC	RD - 0.5	
7	**X-938B (Plug) pin 7** ISO Joystick (Cab Harness Connec	SI-6479	SI-6479	OR - 1.0	
8	**X-938B (Plug) pin 8** ISO Joystick (Cab Harness Connec	SI-5915DC	SI-5915DC	BK - 0.5	
9	**X-938B (Plug) pin 9** ISO Joystick (Cab Harness Connec	SI-57CD	SI-57CD	BK - 1.0	

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12673 - Valve plausibility monitoring - dynamic fault

Control Module: EBM

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

Cause:
The Electronic Brake Module (EBM) **A-003** has detected a valve plausibility fault.

Possible failure modes:

1. Faulty wheel speed sensor(s).
2. Faulty **A-003** configuration.
3. Faulty **A-003** software.
4. Faulty **A-003**.

Solution:

1. Check for the fault code.
   Clear the fault code. Operate the machine and check the system for normal operation.

   A. If the fault code is still present, continue to Step **2**.
2. Check for other related fault codes.
   Check for other fault codes relating to the **A-003**.

   A. If other fault codes are displayed, see these tests.

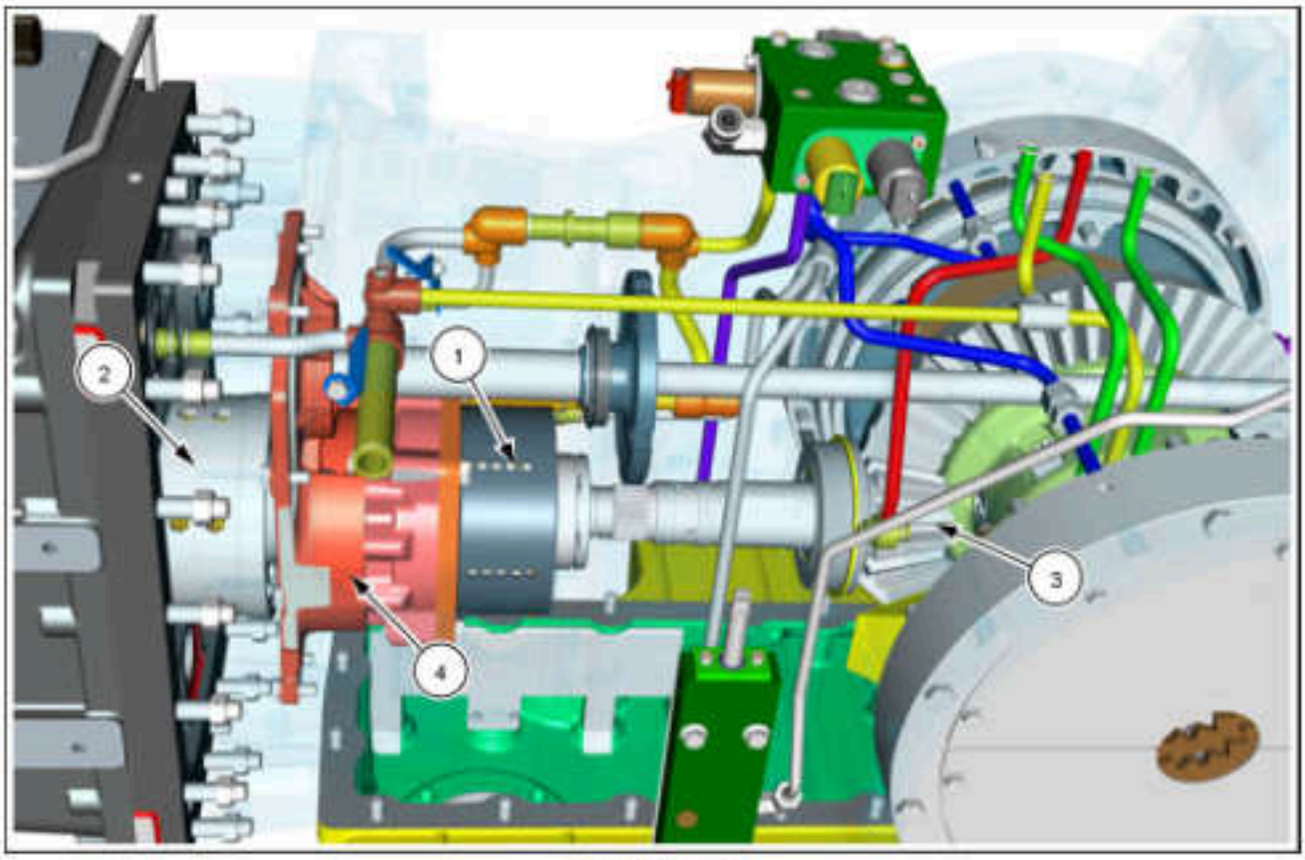
   B. If no other fault codes are displayed, continue to Step **3**.
3. Clear the controller settings.
   Carry out the 'clear controller settings' in H8, see **Electronic module Instrument control unit - H8 - Clear stored calibration information (EEPROM) (55.640)**.
   Clear the fault code, operate the machine and check the system for normal operation.

   A. If the fault code is still present, download the correct version of software to the **A-003**.
      If the fault occurs again, replace the **A-003**.

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Parking brake clutch - Static description

Spring Applied Hydraulic Release (SAHR) system

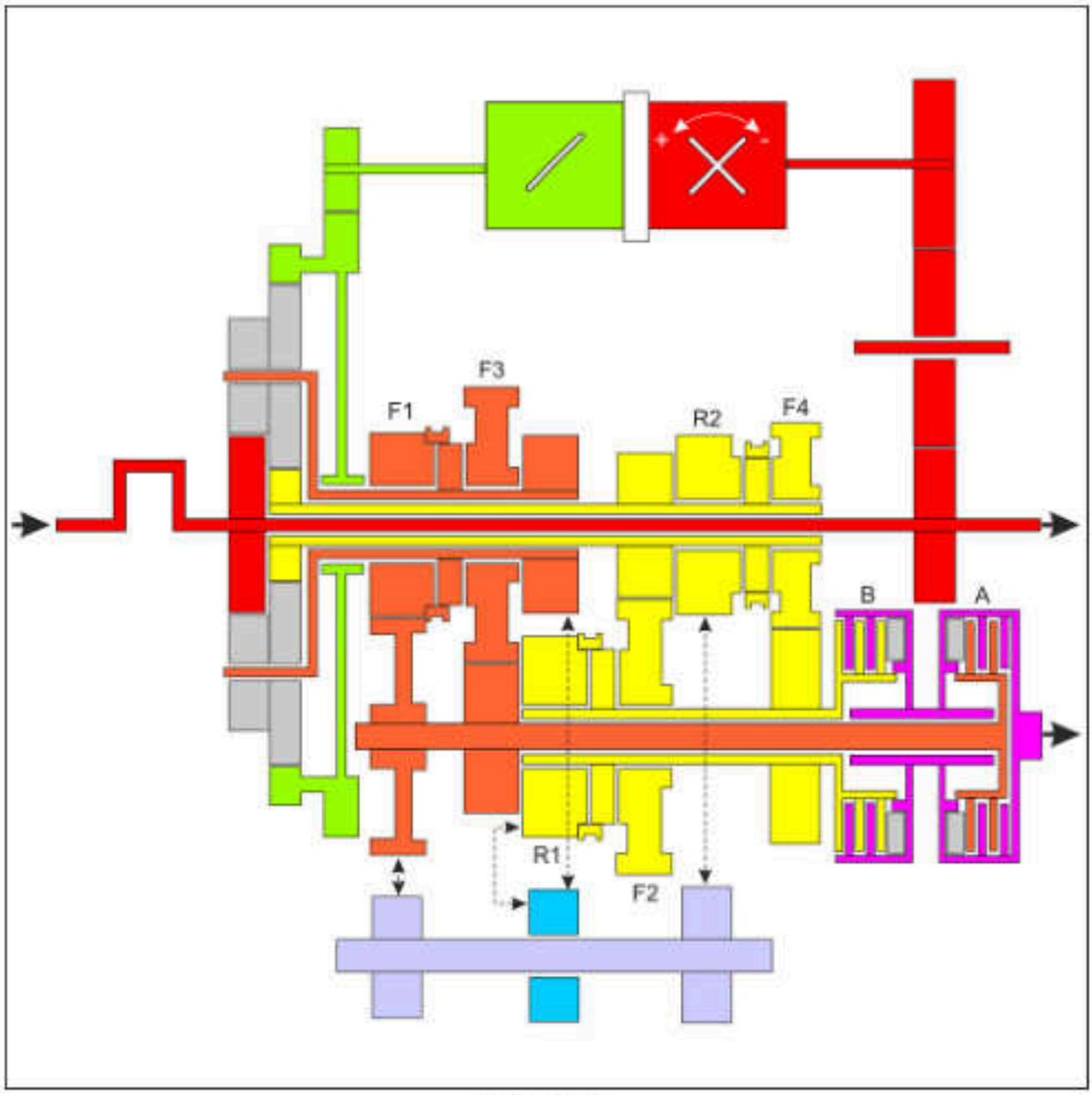


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The Spring Applied Hydraulic Release (SAHR) system **(1)** is installed behind the transmission clutch A **(2)** in line with the differential bevel pinion **(3)**.

The bevel pinion is a single shaft. The toothing on the shaft stays in contact with the friction discs. The steel plates are in standstill and fixed to the Spring Applied Hydraulic Release (SAHR) system. The housing is fixed with six bolts on the support cover **(4)**.

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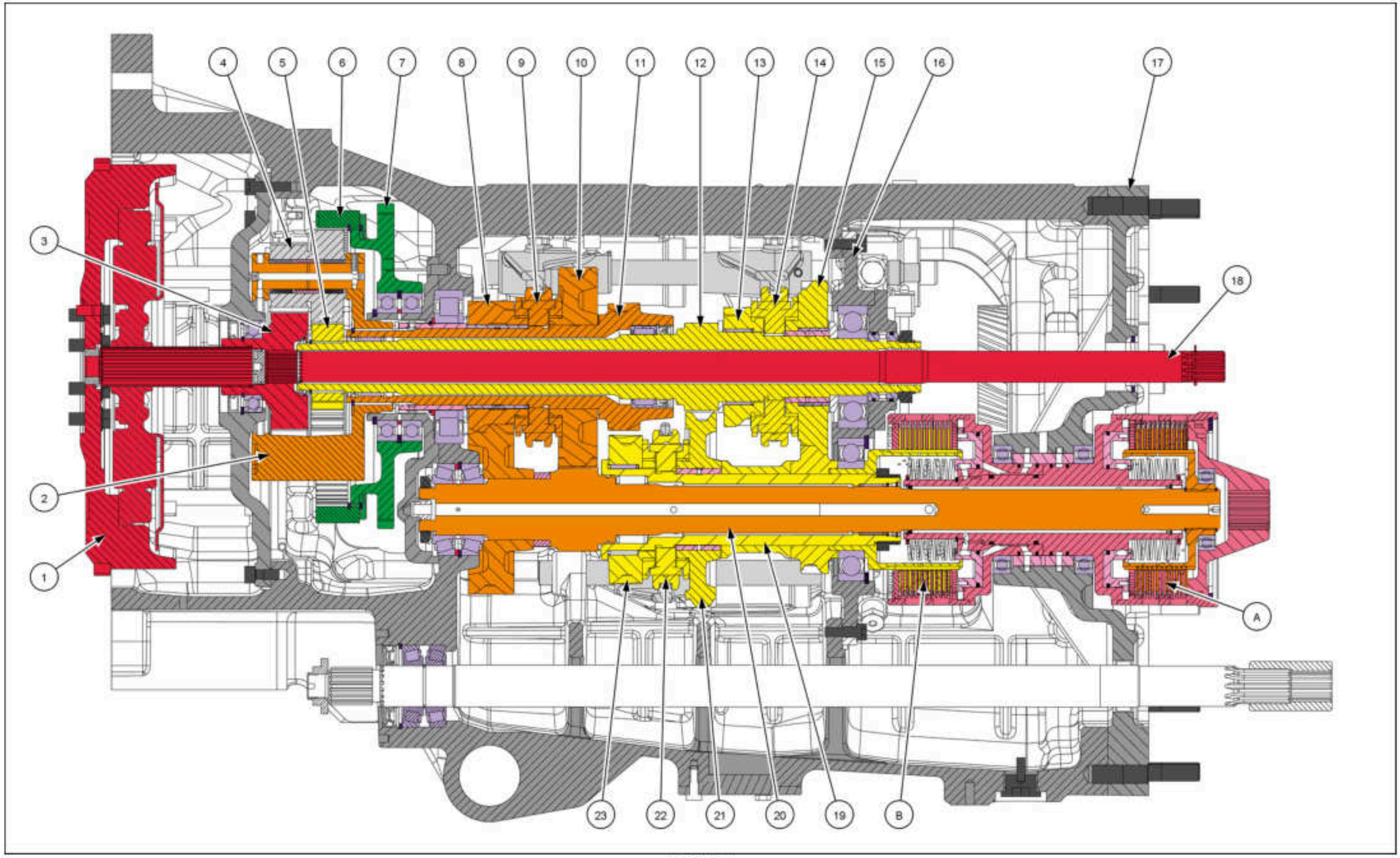


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Neutral position and park position

In the neutral position and park position, the transmission is not non-positive. Two mechanical gears, F1 and R1, are engaged. The clutch A and the clutch B are open. If the tractor rolls away in neutral position, the resultant differences in speed are compensated by the hydrostat. This ensures that the relevant clutch A or clutch B can be engaged again for synchronous speed when the neutral position is no longer active.

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