OPTUM® 270 CVT
OPTUM® 300 CVT
TIER 4B (FINAL)
Tractor

PIN ZFEM01001 and above

SERVICE MANUAL

Part number 48193161
English
November 2017
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CASE IH AGRICULTURE

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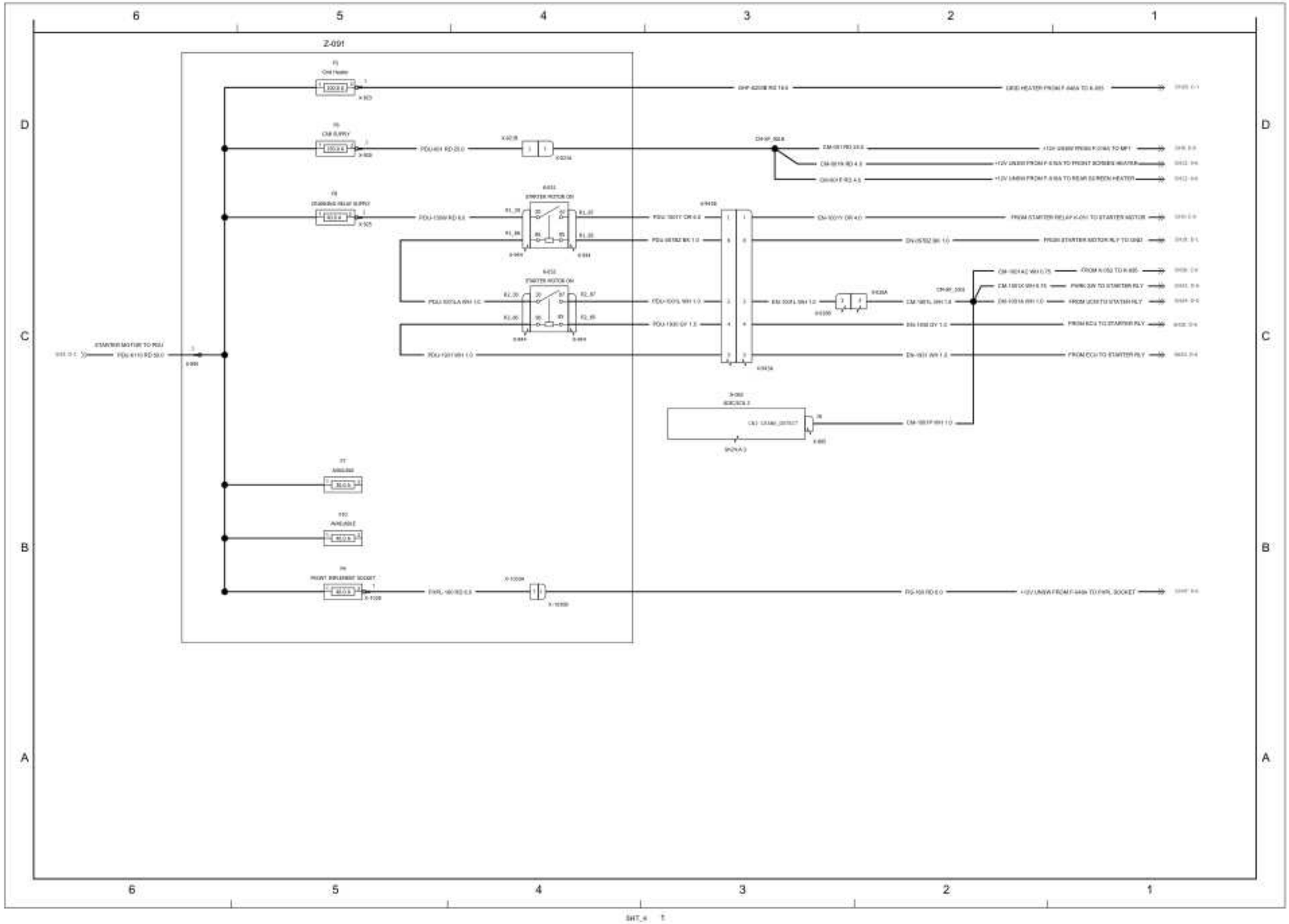
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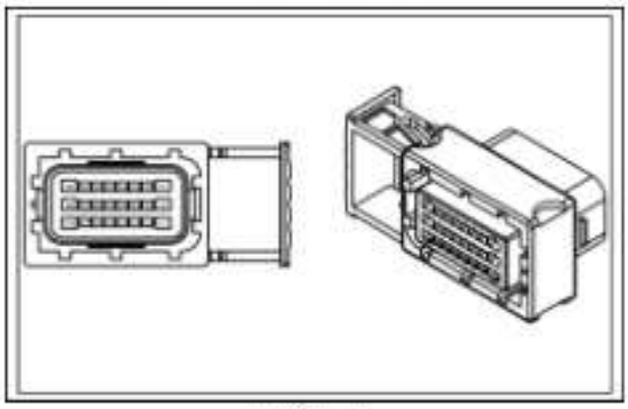
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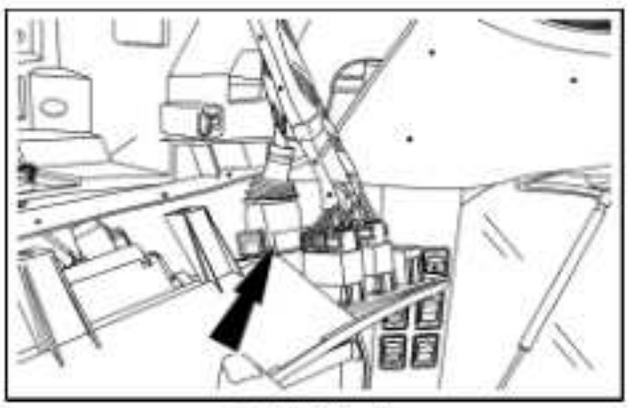
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X-168 - WORK LAMP ECU [SH7: B-1] (87699386) (Receptacle)



87699386 14

87699386



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Cab roof

Pin	From	Wire	Description	Color-Size	Frame
B1	**X-106B (Receptacle) pin 8** MAIN HARNESS	RF-4011	+12V UNSW B+ FROM F-013 TO BEACON	RD - 1.0	**SHEET 07**
B2	RF-SP-138-P-X	RF-138B	+12V UNSW FROM F-006 TO LAMP ECU	RD - 0.75	**SHEET 06**
B3	RF-SP-57A-P-X	RF-057X	FROM WORK LAMP ECU TO GND	BK - 0.75	**SHEET 07**
B4	RF-SP-1098B-P-X	RF-1098A	SUPPLY FROM WLPanel TO FRONT WL Relay [86]	WH - 0.75	
B5	RF-SP-1098B-P-X	RF-1098BA	SUPPLY FROM WLPanel TO FRONT WL Relay [86]	WH - 0.75	
B6	**X-106B (Receptacle) pin 12** MAIN HARNESS	RF-1090	C-PILLAR WL	WH - 0.75	
B7	**X-196A (Receptacle) pin 1** GRABRAIL WORKLAMP LH	RF-1097AA	SUPPLY TO GRABRAIL WL LH	VT - 0.75	
B8	**X-164A (Receptacle) pin 1** GRABRAIL WORKLAMP RH	RF-1097BA	SUPPLY TO GRABRAIL WL RH	VT - 0.75	
C1	**X-106B (Receptacle) pin 25** MAIN HARNESS	RF-997Y	REAR WORKLAMP RELAY COMMAND [86]	WH - 1.0	
C2	RF-SP-4012-P-X	RF-4012	BEACON from WLPanel	VT - 0.75	
C3	RF-SP-995-P-X	RF-995A	+12V UNSW B+ FROM F-018 TO LAMP ECU	RD - 0.75	
C4	RF-SP-995-P-X	RF-995B	+12V UNSW B+ FROM F-018 TO LAMP ECU	RD - 0.75	
C5	**X-106B (Receptacle) pin 23** MAIN HARNESS	RF-1013AH	WLPanel signal input	VT - 0.75	
C6	**X-106B (Receptacle) pin 13** MAIN HARNESS	RF-1092	CORNEL LIGHTS	WH - 0.75	
C7	**X-106B (Receptacle) pin 16** MAIN HARNESS	RF-1071A	+12V UNSW FROM F-019 TO LAMP ECU	VT - 1.0	
C8	**X-106B (Receptacle) pin 15** MAIN HARNESS	RF-1071B	+12V UNSW FROM F-019 TO LAMP ECU	VT - 1.0	

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15287 - Incorrect steering valve controller configuration - hydraulic configuration

Control Module: AST

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

Cause:
The steering valve control module **A-036** has encountered an internal fault. The off-road electrohydraulic steering mode is disabled and the hydraulic on-road mode is active.

Possible failure modes:

1. Faulty **A-036** software.
2. Faulty **A-036**.

Solution:

1. Check for other fault codes being displayed.

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

   B. If no other fault codes are displayed, continue to Step **2**.

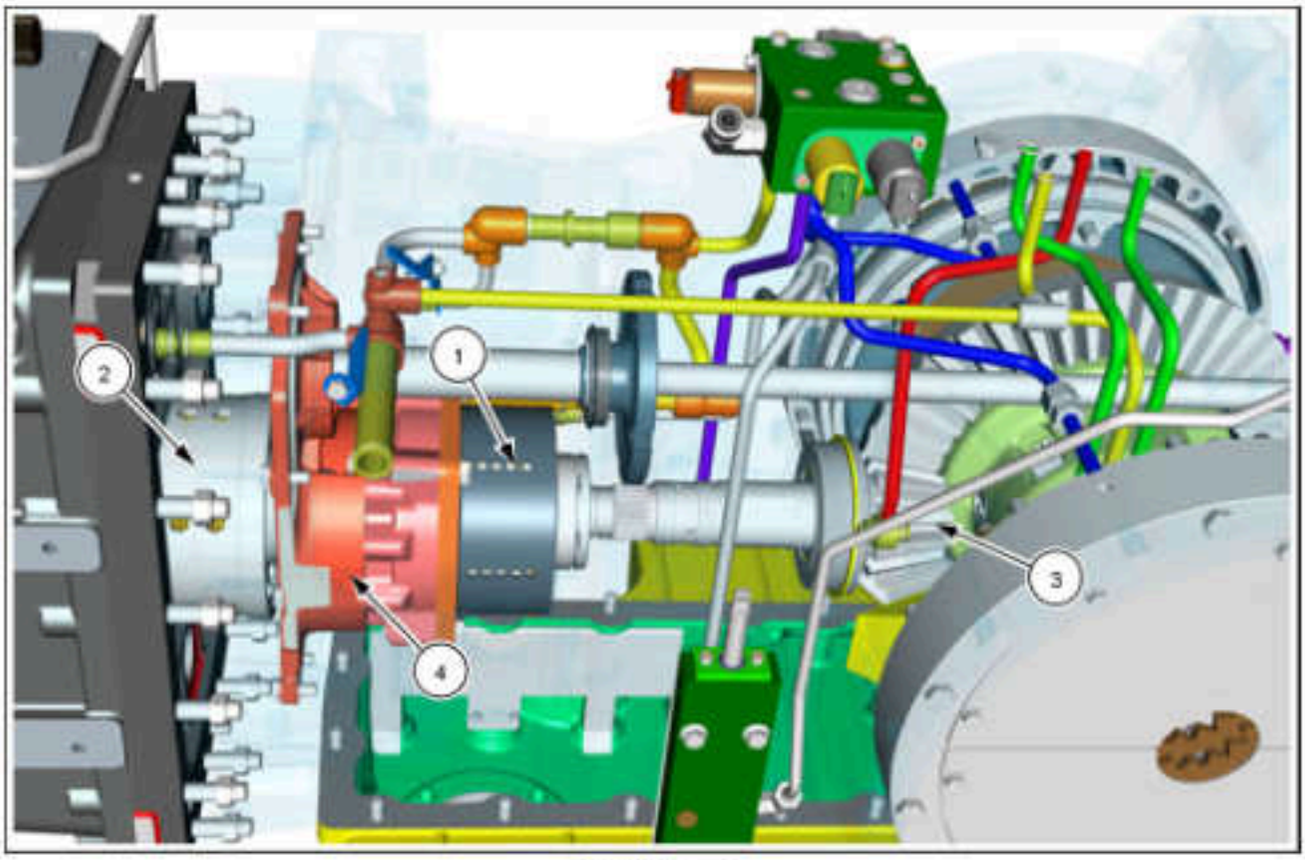
2. Check the **A-036**.
   Download the correct level of software into the **A-036**.
   Download the correct configuration file into the **A-036**.
   Check for correct operation of the machine.

   A. If the fault code is still present and active, remove and replace the **A-036**.
   Download the correct level of software and configuration file and check for correct operation of the machine.

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Parking brake clutch - Static description

Spring Applied Hydraulic Release (SAHR) system

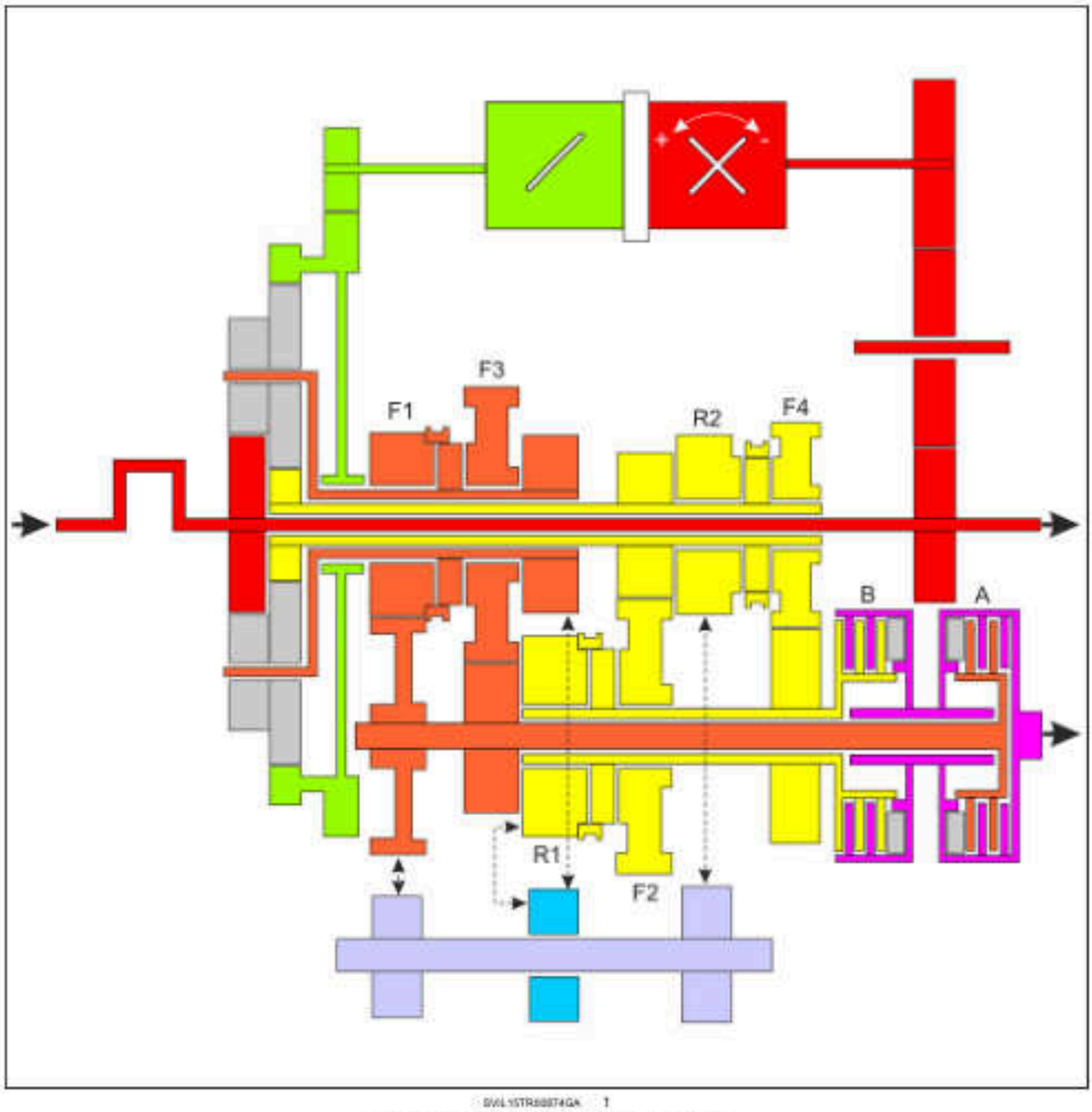


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The Spring Applied Hydraulic Release (SAHR) system **(1)** is installed behind the transmission clutch A **(2)** in line with the differential bevel pinion **(3)**.

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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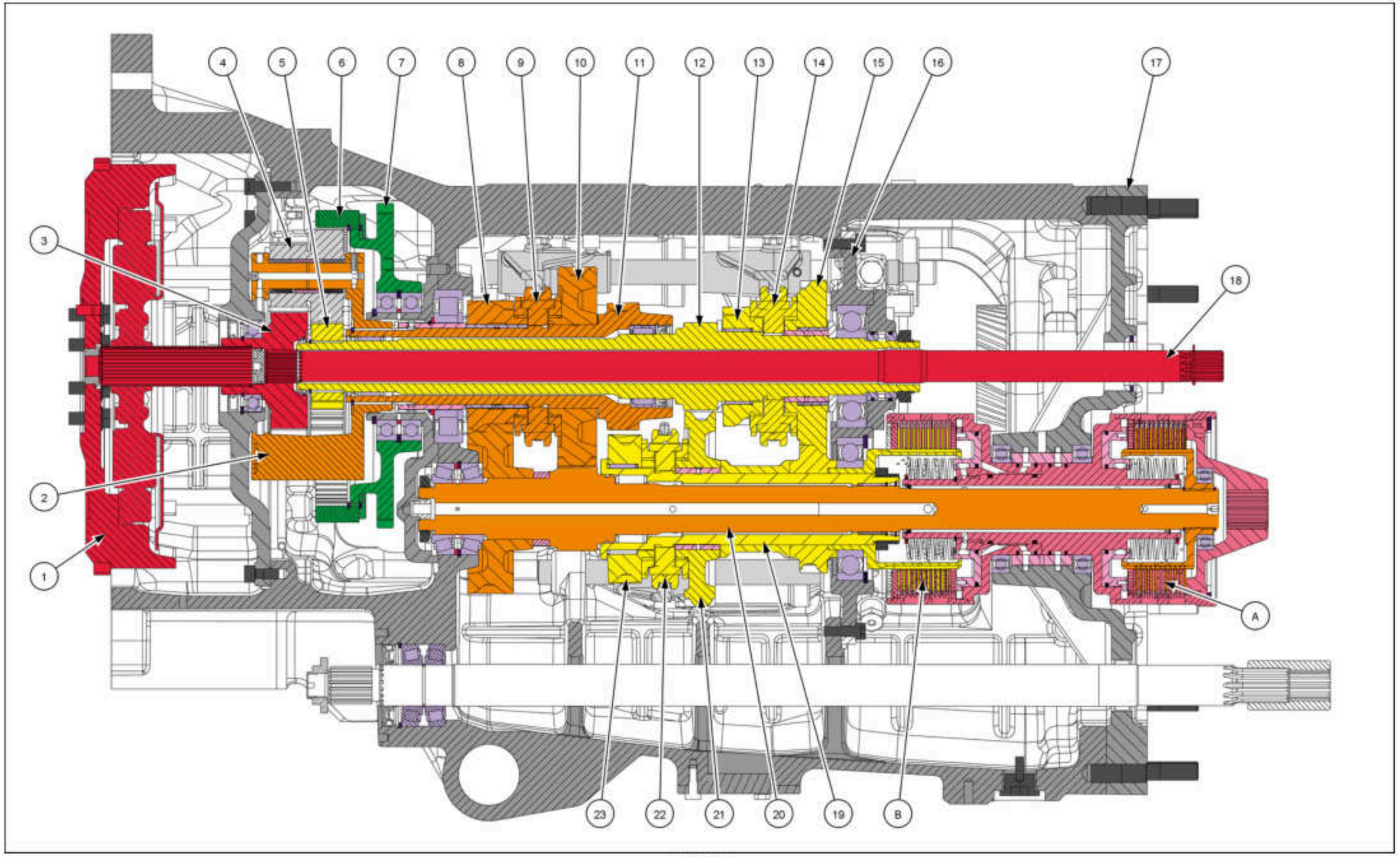


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Neutral position and park position

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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