SERVICE MANUAL

T7.170 / T7.185
T7.200 / T7.210

Tractor

Part number 84479148A
English
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MidWestTech | New Holland T7.170, T7.185, T7.200, T7.210 Tractor Service Manual | Publication 84479148A

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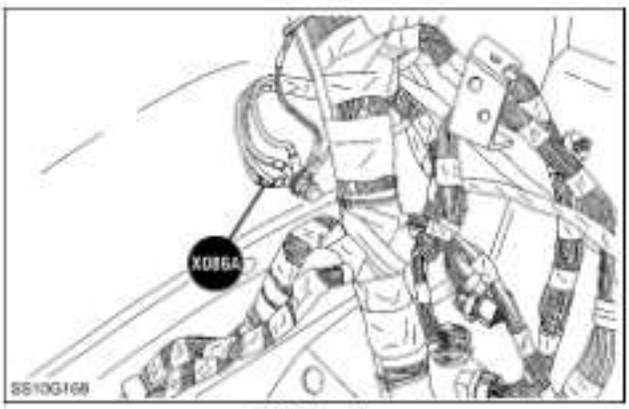
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X086A Earth Header 1

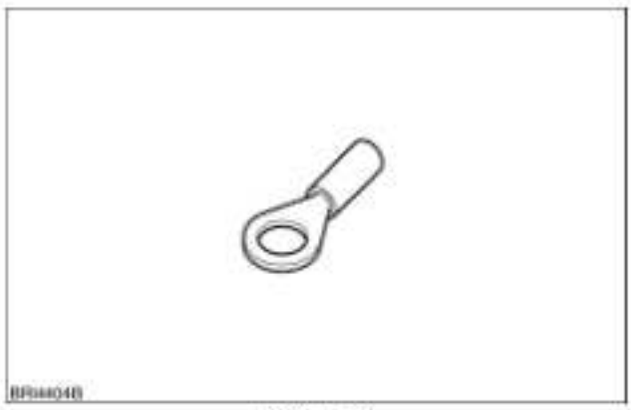
POS.	COLOR	WIRE NUMBER	CIRCUIT REFERENCE
1	BK	57	EARTH (ALL)

NOTE: *For the wiring color code refer to,* ***Wiring harness - Identification (A.30.A).***

T7.170, T7.185, T7.200, T7.210 Auto Command
T7.170, T7.185, T7.200, T7.210 Range / Power Command - With Sidewinder



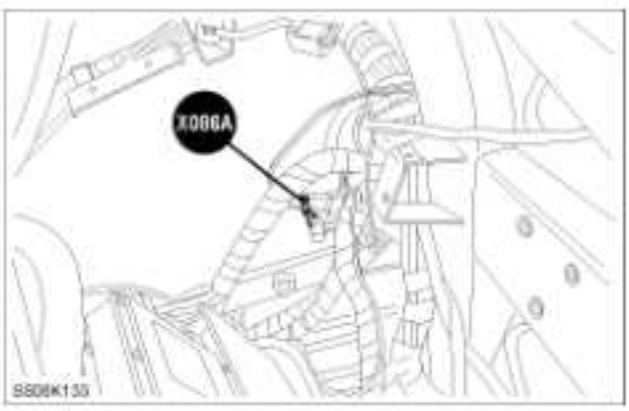
SS10G168 27



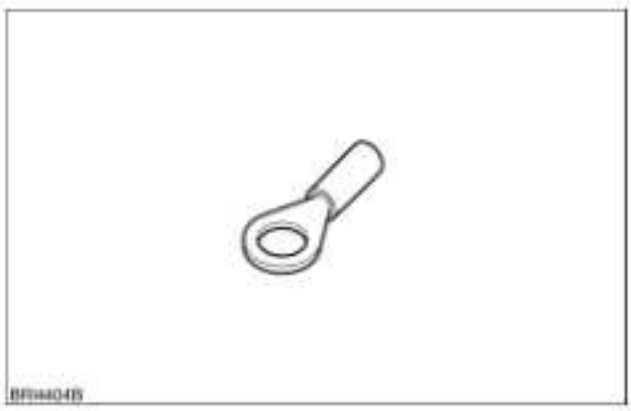
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BEHIND RIGHT HAND TRIM

T7.170, T7.185, T7.200, T7.210 Range / Power Command - Without Sidewinder



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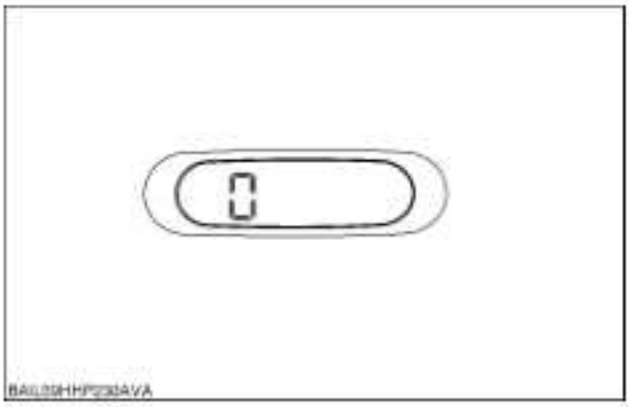


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BEHIND RIGHT HAND TRIM

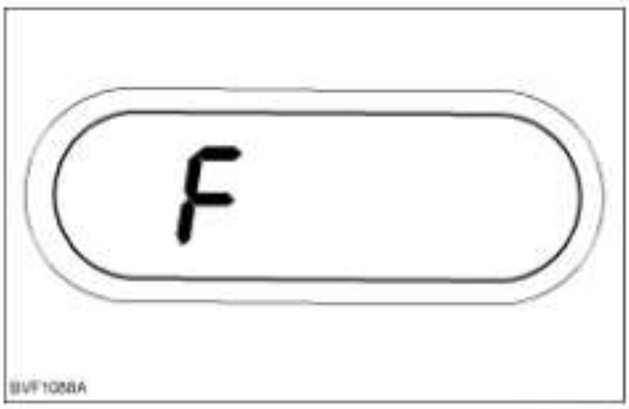
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The lower central display will flash with "0", if no fault code is stored.



3

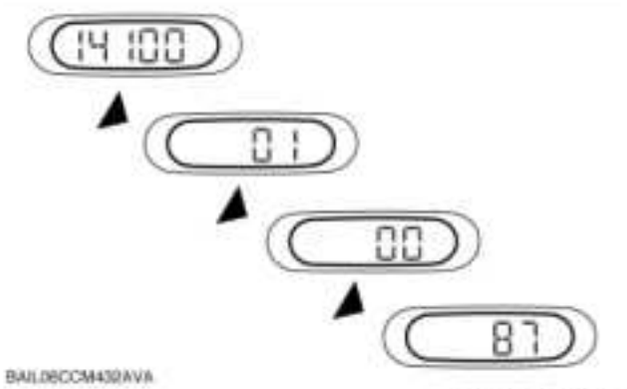
If and error code is present the lower central display will flash with an "F".



4

The lower central display will then automatically cycle through as the example:

14100 Fault code
01 Hour of first occurrence
00 Hour of last occurrence
87 Number of occurrences of the fault



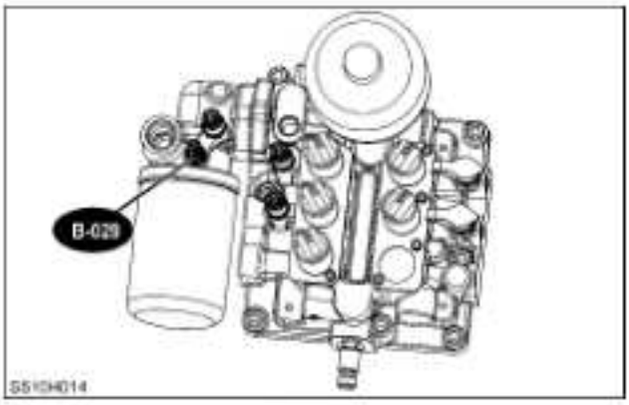
5

Depress the "h" or "m" button to change to the next fault code in the list.
The lower central display will display "_ _ _" at the end of the list.
Depress the "dimming" button to continue navigating through the "HH" menus.

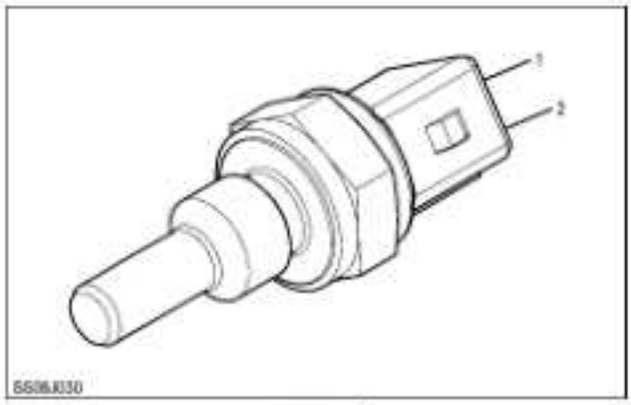
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Sensing system Temperature sensor - Overview

T7.170 AutoCommand, T7.185 AutoCommand, T7.200 AutoCommand, T7.210 AutoCommand



S510H014 1



S508J030 2

Temperature sensor, transmission oil (B-029)

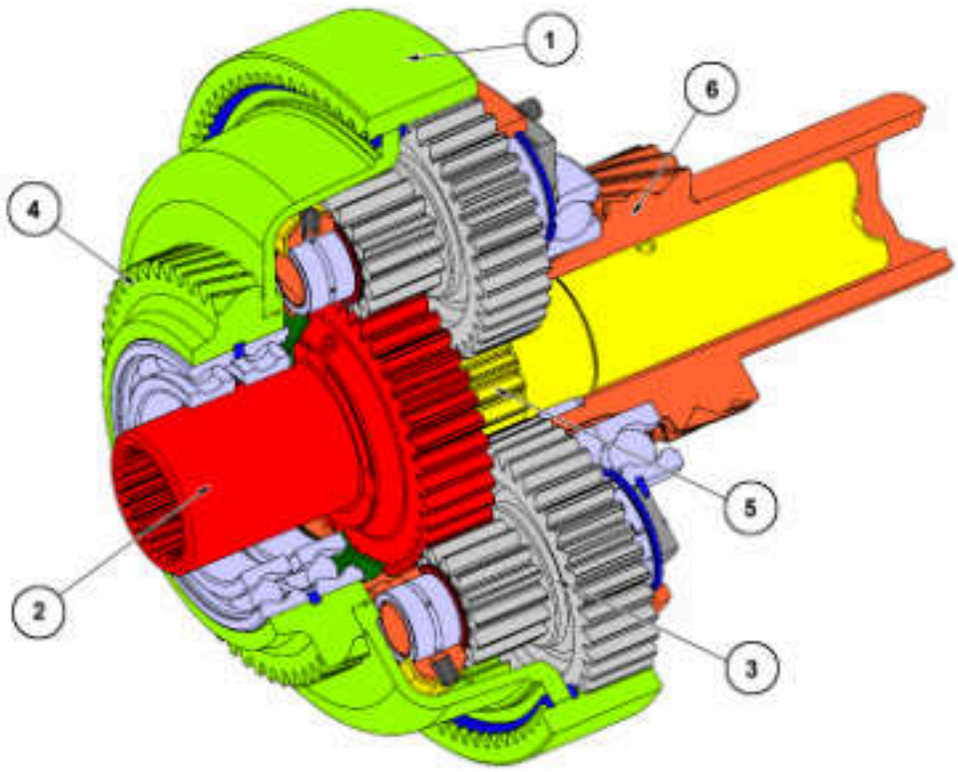
Version	PTC
Measuring range	**-50 - 200 °C (-58 - 392 °F)**
Rated voltage	**5 V**
Signal voltage at **15 °C (59 °F)**	**3.3 V**
Insulating resistance	**> 100 k Ω**
Resistance at **25 °C (77 °F)**	**1097.34 Ω +/- 1 %**
Resistance at **80 °C (176 °F)**	**1308.93 Ω +/- 1 %**
Resistance at **90 °C (194 °F)**	**1347.02 Ω +/- 1 %**
Resistance at **100 °C (212 °F)**	**1385 Ω +/- 1 %**
Resistance at **110 °C (230 °F)**	**1442.86 Ω +/- 1 %**
Tightening torque	**14 - 18 Nm (10.3 - 13.3 lb ft)**

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Summing planetary gear

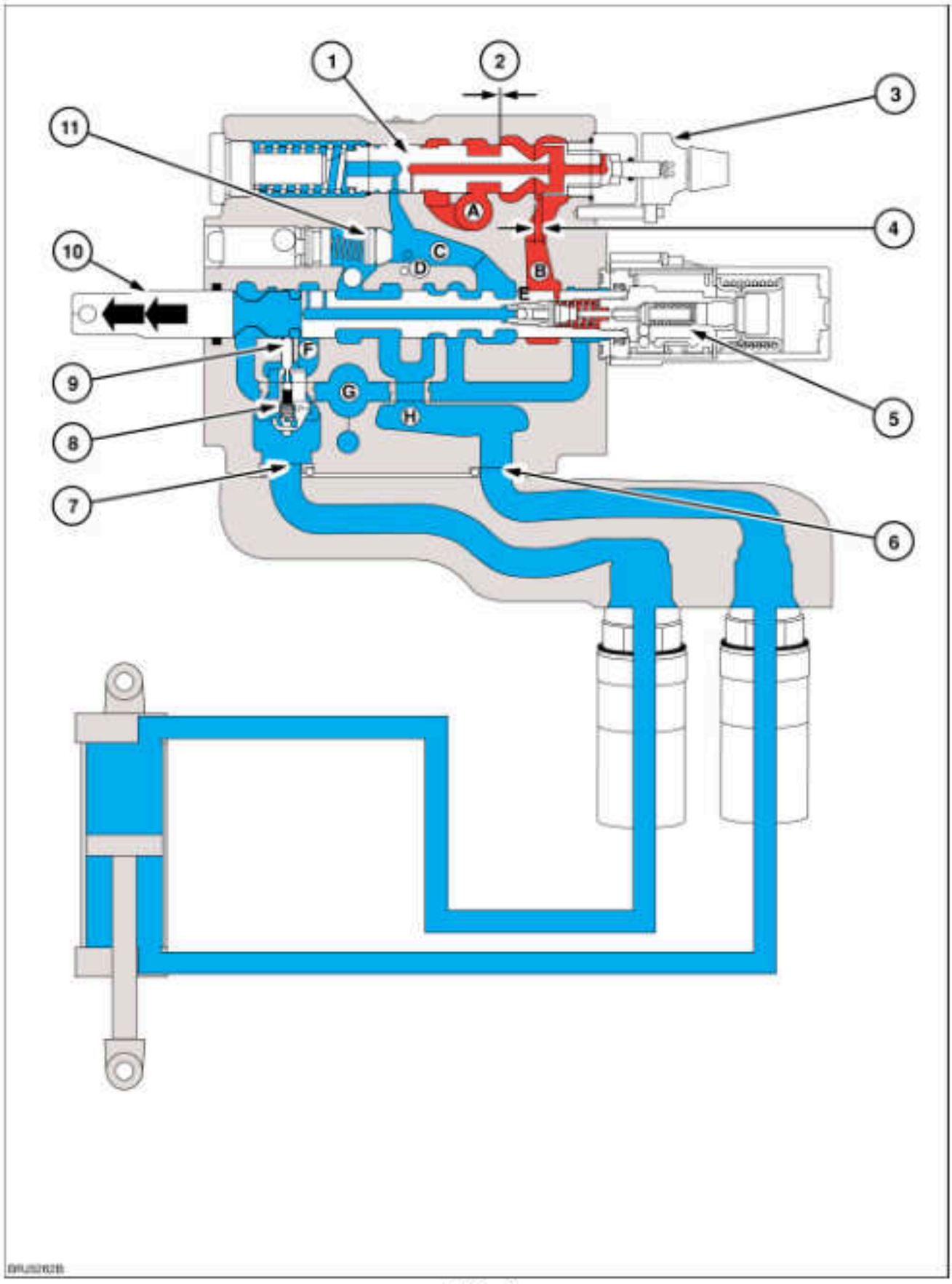
The summing planetary gear is a "four shaft planetary gear drive" with two input shafts and two output shafts. The sun gear **(2)** and the ring gear **(1)** are in a figurative sense the two input shafts.
The planetary carrier **(6)** and the sun gear **(5)** are each permanently attached to an output shaft. The ring gear **(1)** is powered directly by the hydro motor via the spur gear **(4)**. The sun gear **(2)** is powered directly by the combustion engine. The driving power **(3)** is transferred from the three twin planetary gears to the relevant output shaft either via the planetary carrier **(6)** or via the sun gear **(5)**.

Two forwards and one reverse gear can be continuously realised with the aid of the summing planetary gear's two output shafts in connection with the downstream synchronisers and clutches. As a result all of the requirements such as a high degree of tractive force, high final speed, the necessary transmission spread and an excellent degree of efficiency are attained.

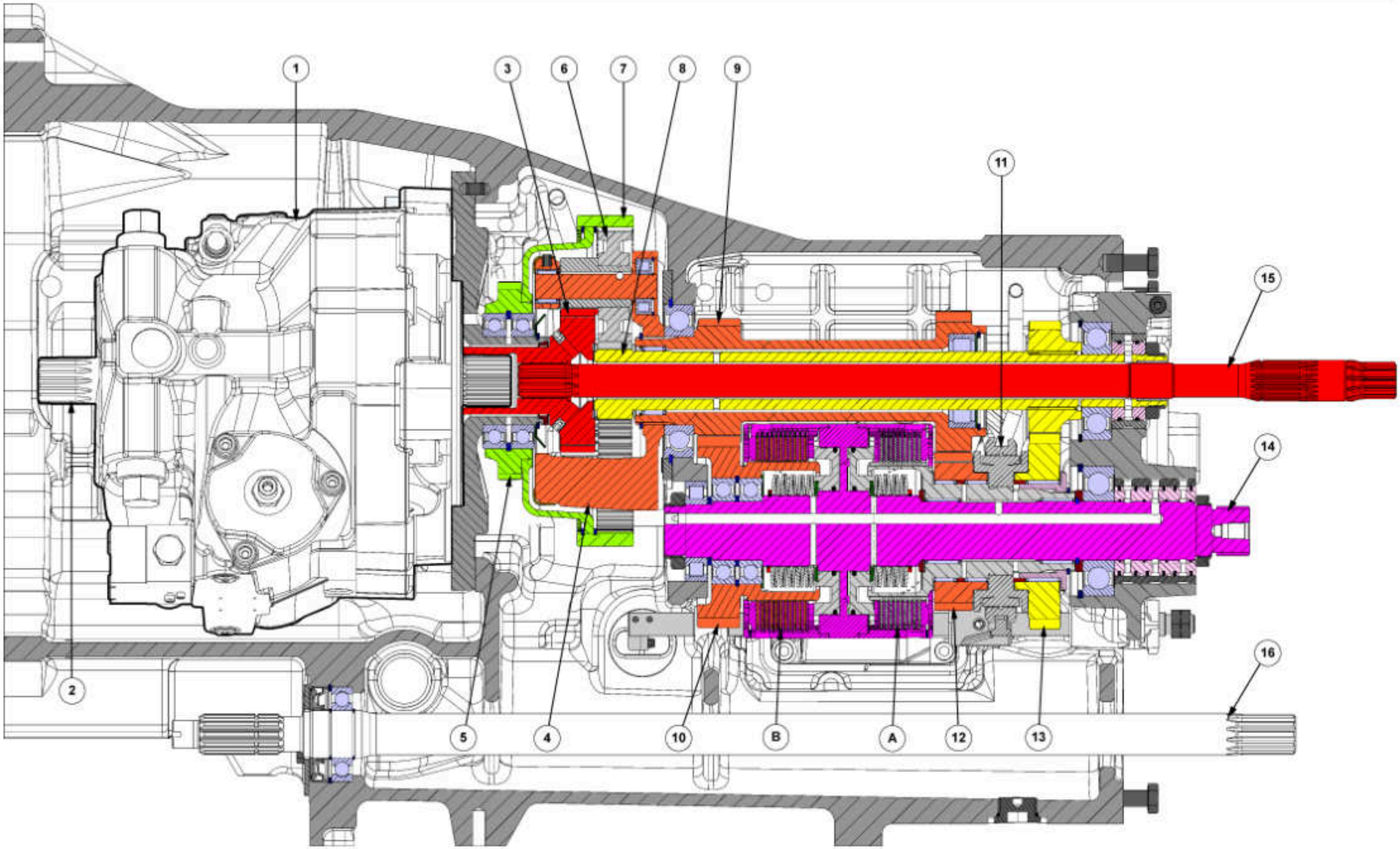


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