NEW HOLLAND T7030 T7040 T7050 T7060 T7070 AutoCommand Tractors

SERVICE MANUAL



84172771

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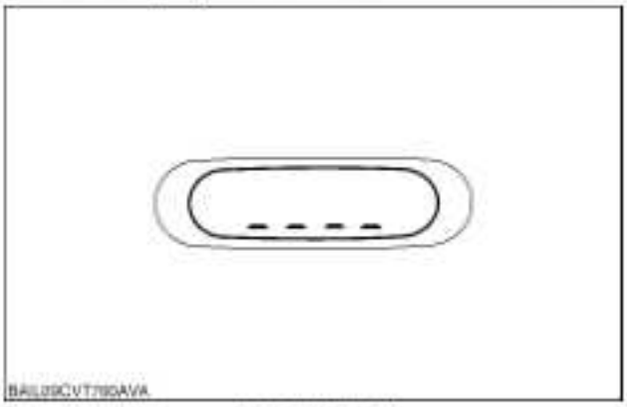
Wiring harness - Electrical schematic frame 41 I.C.E (Radio)

Component	Connector	Description
A064	**X157, X158**	Radio
H003	**X175**	Radio Speaker RHR
H004	X161	Radio Speaker RHF
H005	X194	Radio Speaker LHF
H006	**X181**	Radio Speaker LHR
W001	**X207**	Antenna Plus
Additional Connectors: **X106**		

Wire Colour Codes							
B	Black	S	Slate	G	Green	P	Purple
N	Brown	R	Red	LG	Light Green	K	Pink
LN	Light Brown	O	Orange	U	Blue	W	White
L	Lilac	Y	Yellow	TQ	Turquoise		

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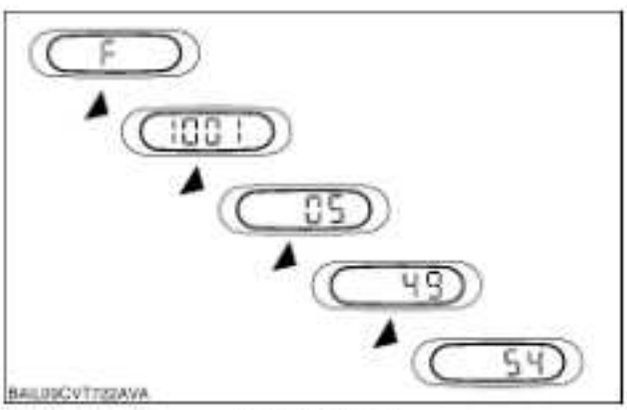
"_ _ _ _" is displayed in the lower central display, when no fault code is stored in the selected sub-system.



BAIL09CVT760AVA 14

"F" is displayed in the lower central display, if a fault code is stored in the selected sub-system.
The sequence of the data display runs through in the lower central display, for example, as follows:

18001 Fault code
05 Operating hours at the time of the first occurrence
49 Operating hours at the time of the last occurrence
54 Frequency of occurrence



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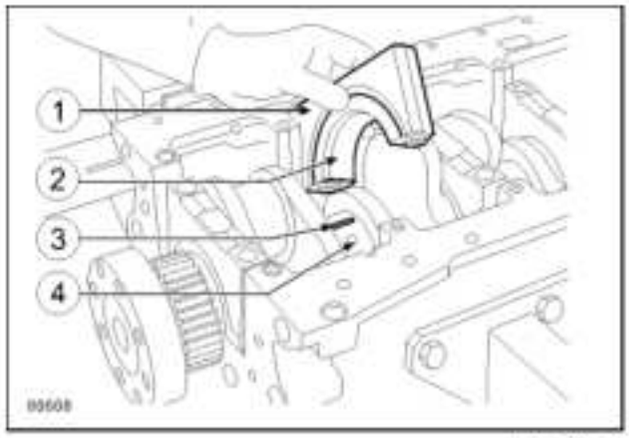
Press the "h" or "m" key to change to the next fault code in the list.

As soon as the end of the list is reached, "_ _ _" is displayed in the lower central display.

To use the "HH" menu further, press the "dimming" button.

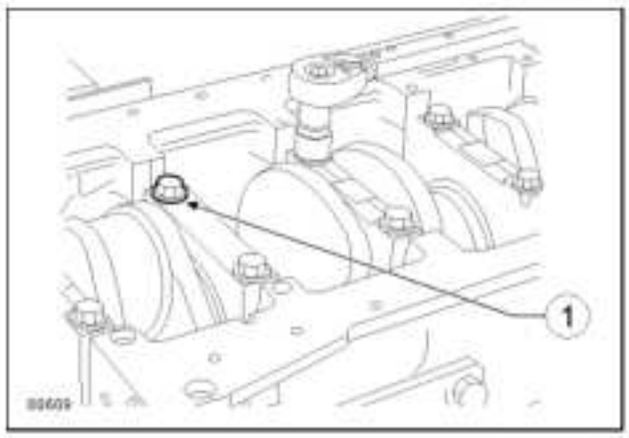
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21. Check the backlash between the crankshaft main journal and the relevant bearings as follows;
Make sure the parts are perfectly clean and remove all traces of oil.
Position a length of calibrated wire **(3)** on the crankshaft journals **(4)** , parallel to the crankshaft centre line
Fit the caps **(1)** complete with half bearings **(2)** on the relevant supports.



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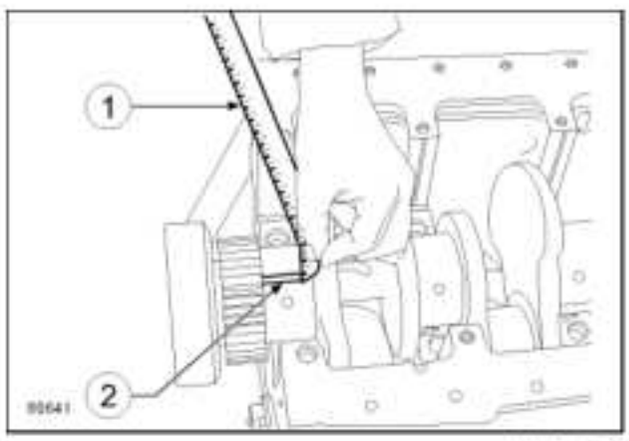
22. Before reusing the retaining bolts refer to **ENGINE - Dimension - Stretch Bolt Check for reuse. (B.10.A)**
Screw in the pre lubricated bolts and tighten them in three successive stages:
1st stage - with a torque wrench tighten to **50 Nm** (**36.878 lb ft**) ± **3 Nm** (**2.213 lb ft**)
2nd stage - tighten to **80 Nm** (**59.005 lb ft**) ± **5 Nm** (**3.688 lb ft**)



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23. 3rd stage - Using a suitable angle gauge tighten the bolts a further **90 ° ± 5 °**

24. Remove the support caps
The clearance between the main bearings and the relevant journals is measured by comparing the width of the calibrated wire **(2)** , at the most narrow point with the graduation of the scale of the scale on the case containing the calibration wire. The numbers on the scale indicate the mating clearance (backlash) in millimetres. If the clearance is found to be other than as prescribed , change the half bearings and repeat the check. Once the correct clearance has been obtained lubricate the bearings and permanently mount the supports. Tighten the retaining bolts as previously described.



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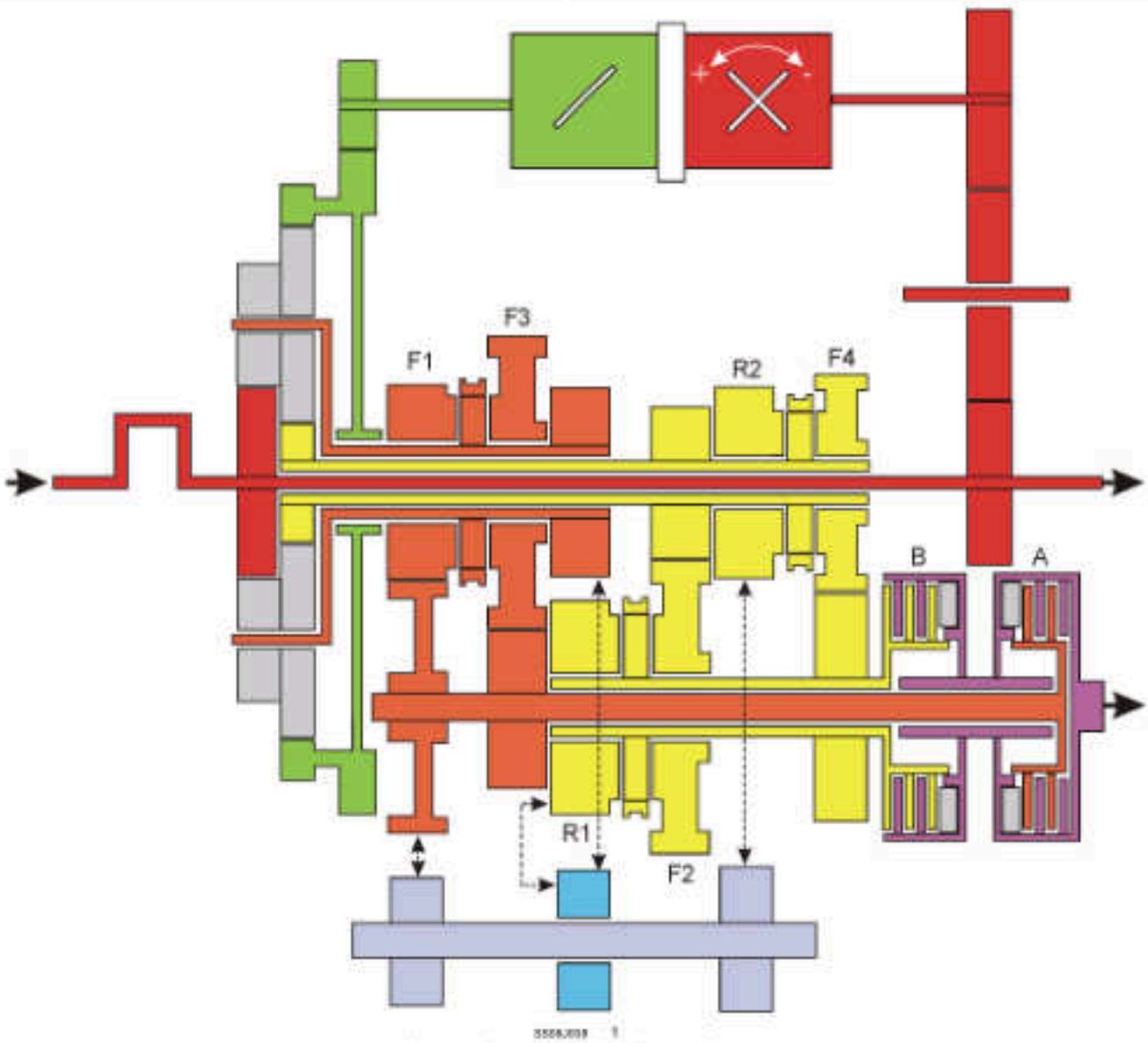
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TRANSMISSION Continuously Variable Transmission (CVT) - Functional diagram

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.

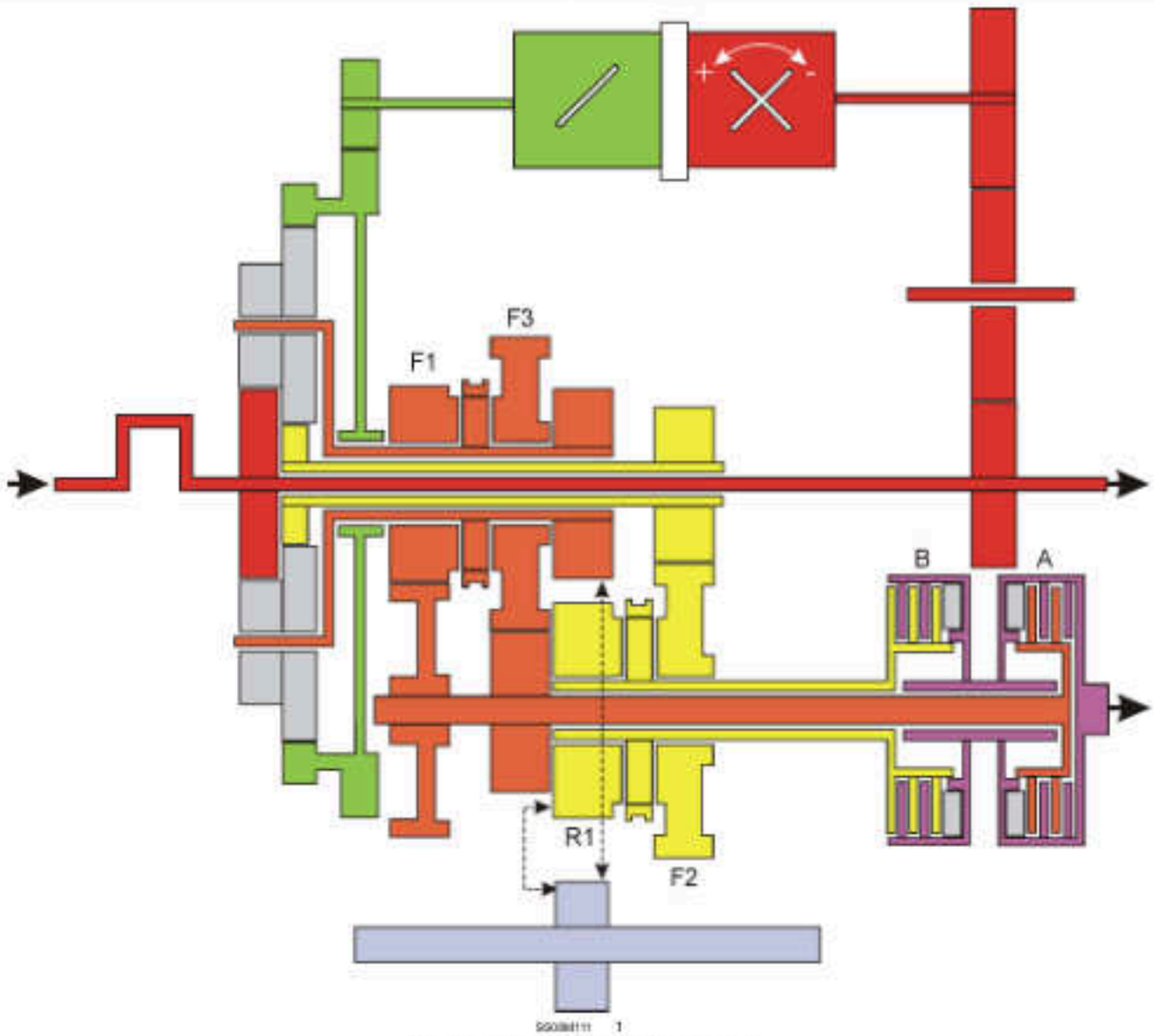
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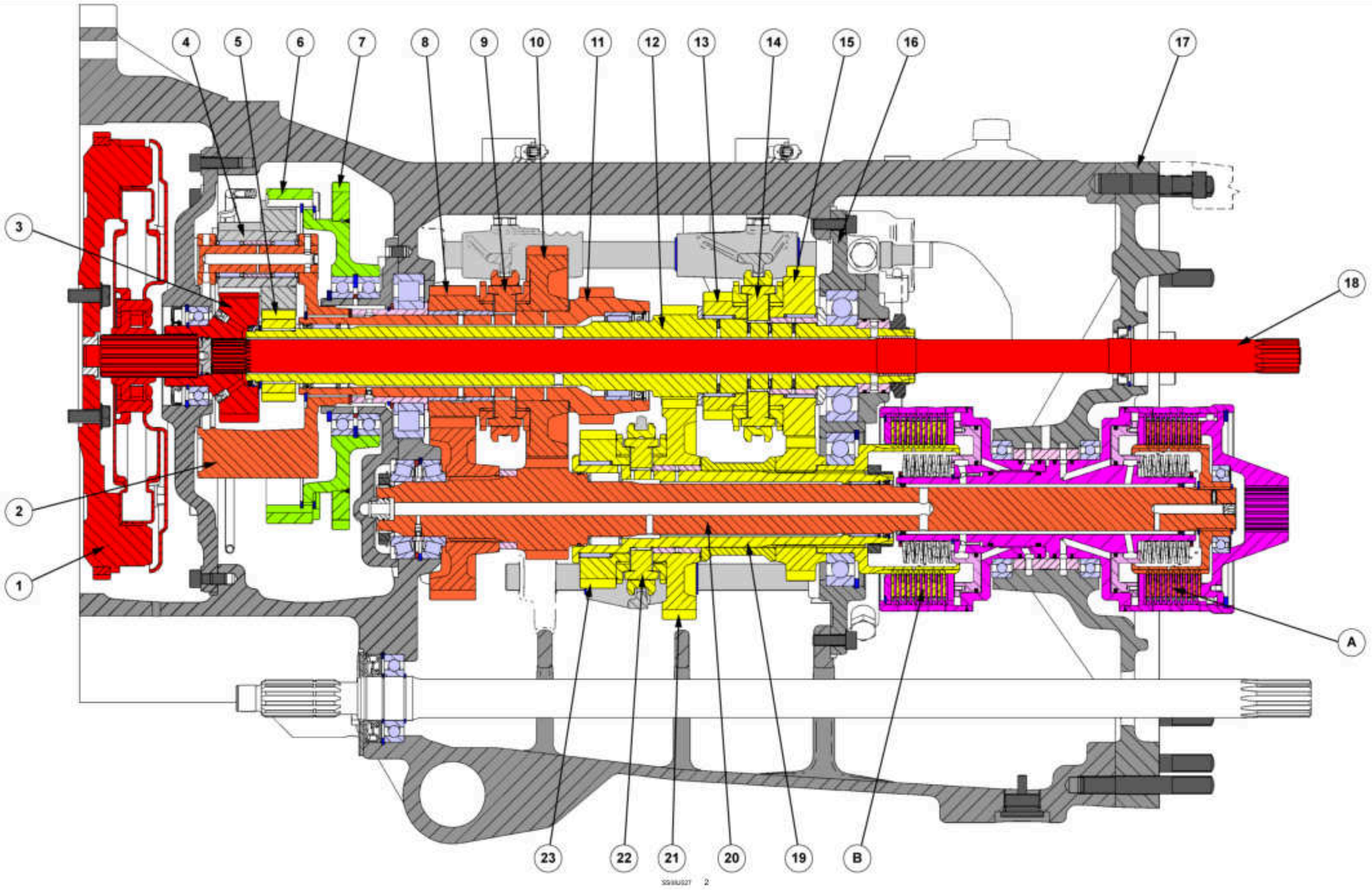
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