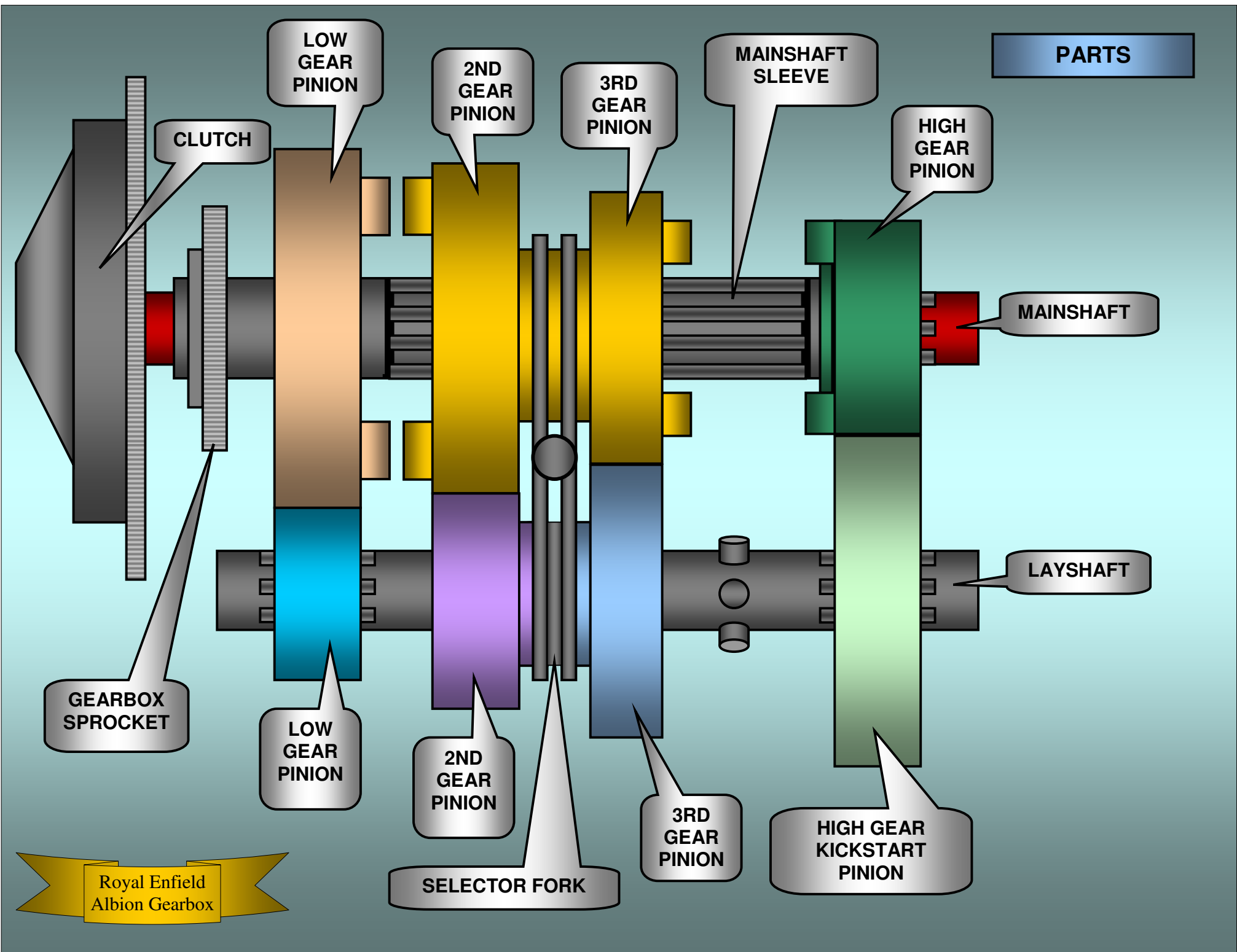




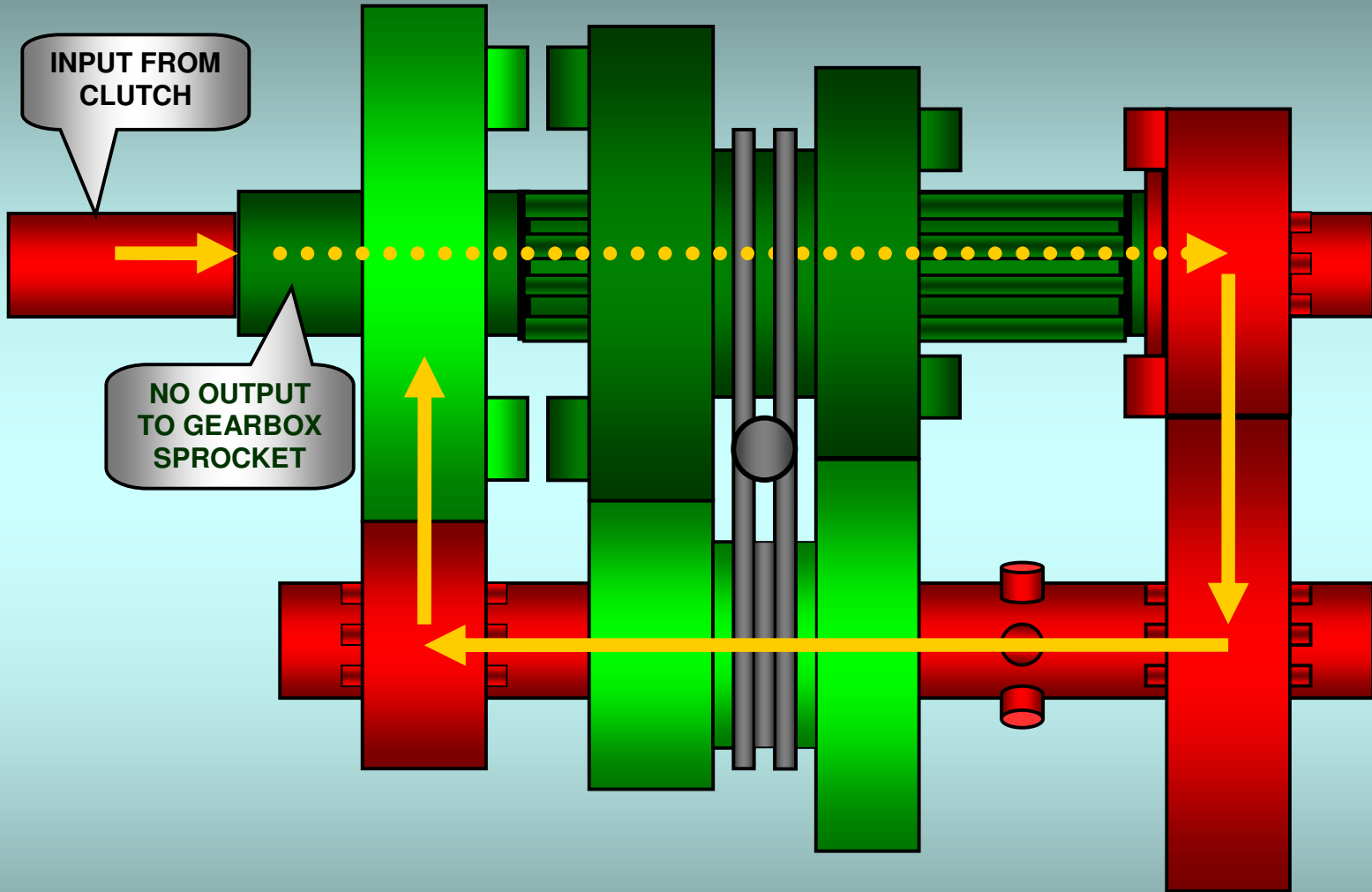
THE GEARBOX DIAGRAMS BELOW HAVE BEEN KINDLY DRAWN AND FORWARDED TO US BY LES HOWARD AS THEY MAY BE USEFUL TO GAIN A BETTER UNDERSTANDING OF HOW THE 4 SPEED GEARBOX WORKS.

By using the mouse wheel or the up & down arrow keys you should see the gears and selector move in an animated form to show their relative positions and the drive indicated by yellow arrows.


Please Note that on some browsers the animated effect will not be seen unless this PDF file is saved as a file on your PC and this saved file is viewed.



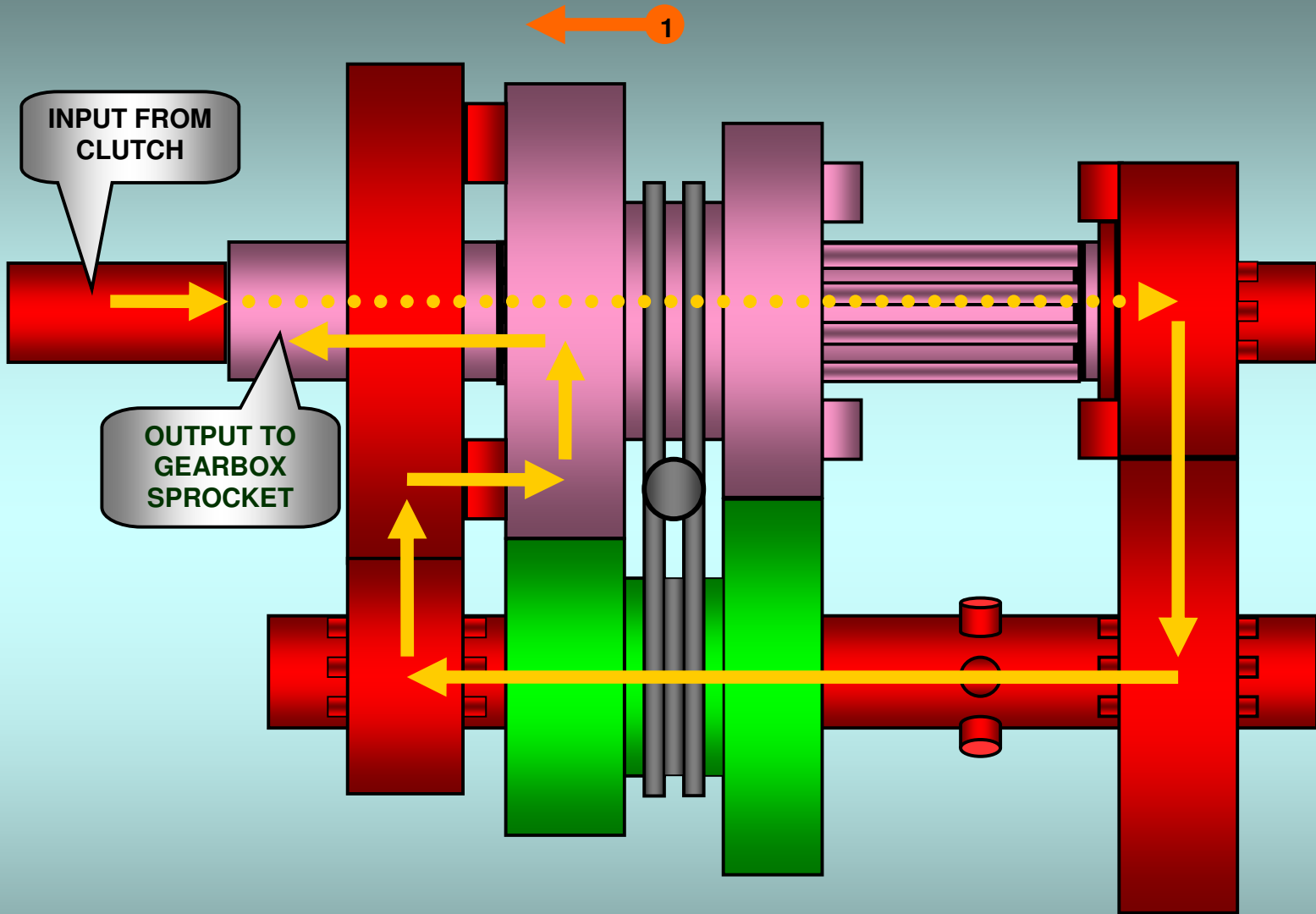
NEUTRAL








KEY

-  **Gears and Shafts being driven.**
-  **Sliding Gears turning on splined mainshaft but not transmitting drive**
-  **Gears turning freely on their shafts and not transmitting drive**

FIRST

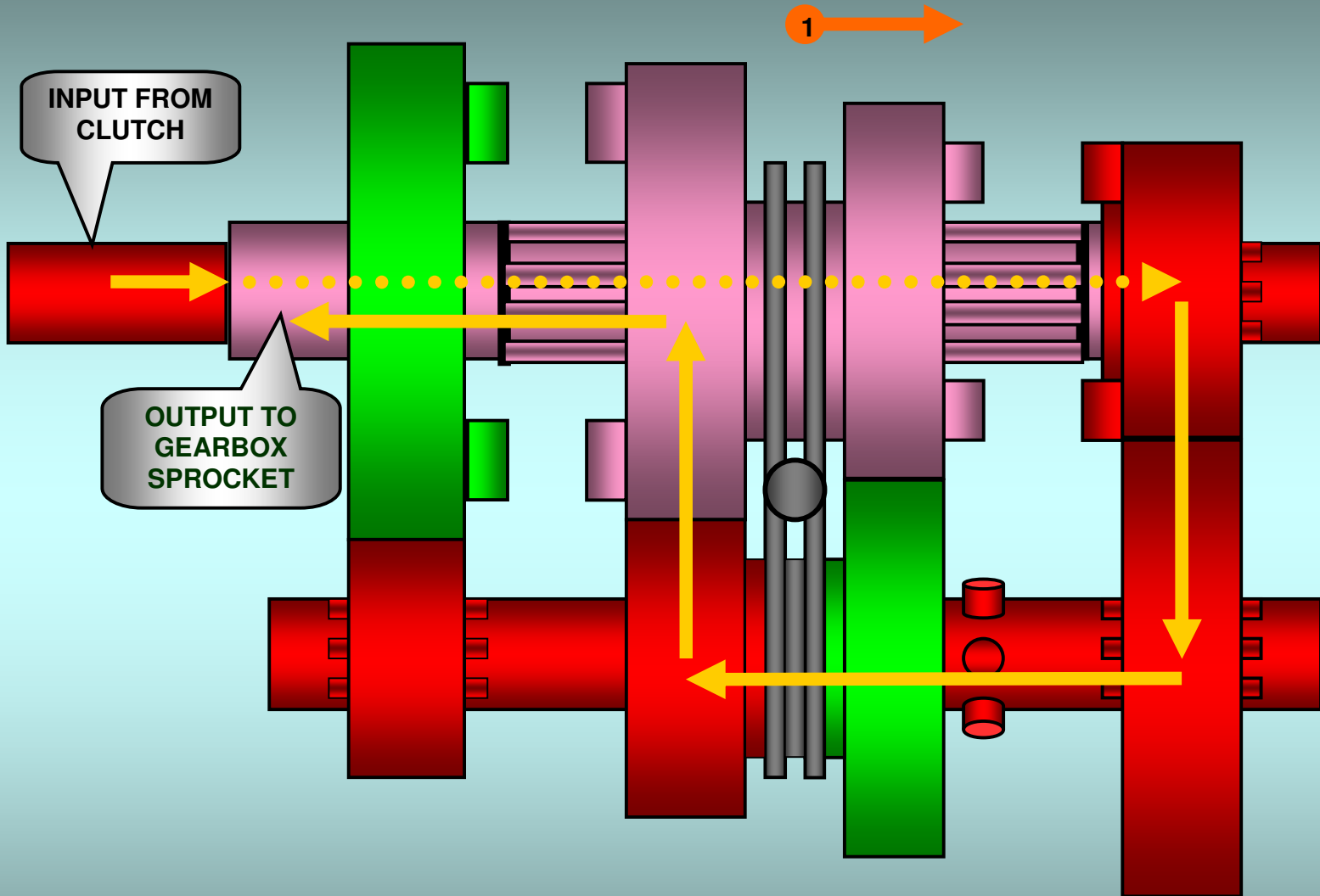


KEY






-  **Gears and Shafts being driven.**
-  **Mainshaft Sliding Gears Transmitting Drive to Output via Splines on mainshaft.**
-  **Gears turning freely on their shafts and not transmitting drive**
-  **Route of drive through Gearbox.**
-  **Selector Fork Offset from neutral position.**

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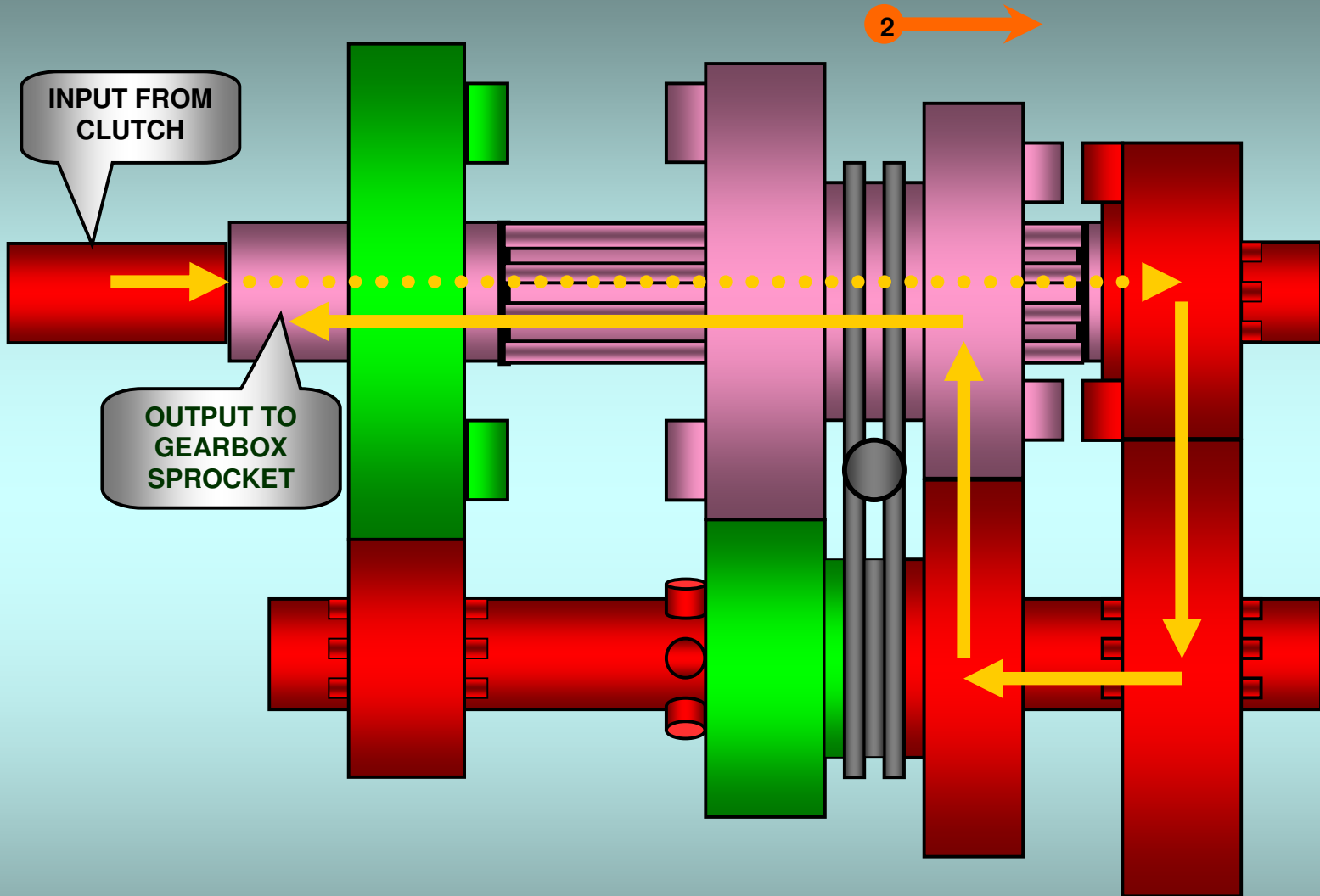
SECOND








KEY

-  **Gears and Shafts being driven.**
-  **Mainshaft Sliding Gears Transmitting Drive to Output via Splines on mainshaft.**
-  **Gears turning freely on their shafts and not transmitting drive**
-  **Route of drive through Gearbox.**
-  **Selector Fork Offset from neutral position.**

THIRD

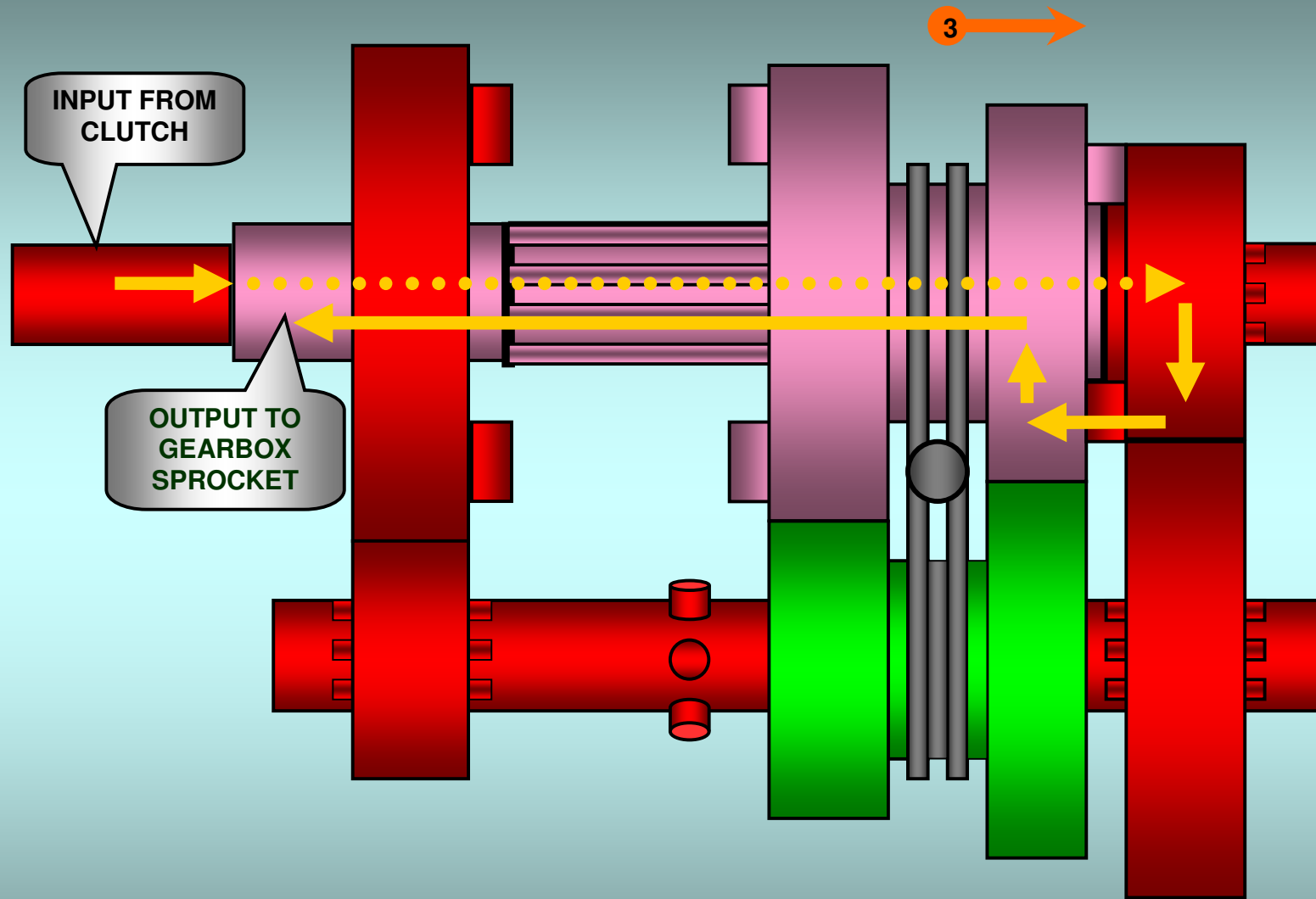


KEY

-  **Gears and Shafts being driven.**
-  **Mainshaft Sliding Gears Transmitting Drive to Output via Splines on mainshaft.**
-  **Gears turning freely on their shafts and not transmitting drive**
-  **Route of drive through Gearbox.**
-  **Selector Fork Offset from neutral position.**

Royal Enfield
Albion Gearbox

FOURTH



INPUT FROM CLUTCH

OUTPUT TO GEARBOX SPROCKET

3

KEY



Gears and Shafts being driven.



Mainshaft Sliding Gears Transmitting Drive to Output via Splines on mainshaft.



Gears turning freely on their shafts and not transmitting drive



Route of drive through Gearbox.



Selector Fork Offset from neutral position.