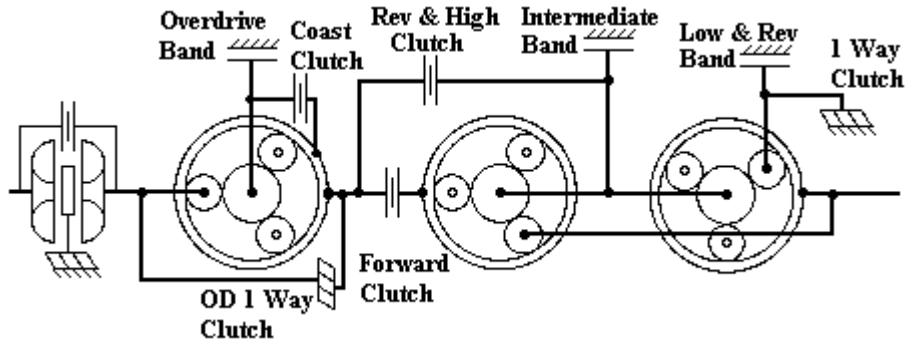


Student Name _____

Date _____

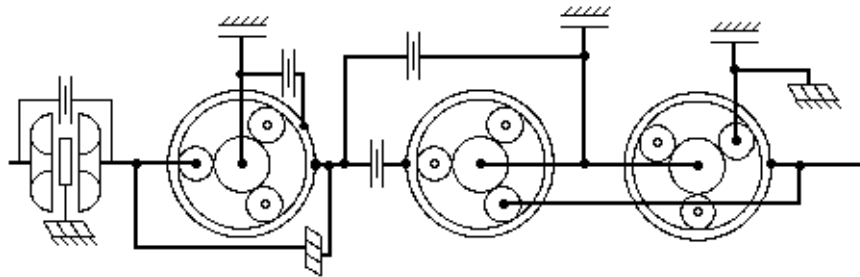
Directions: The clutch and band arrangement for a Ford 4R44E, 5R55E (A4LD) is shown below. Locate the driving and reaction members for each forward and reverse speed. Circle the names of the input apply devices. Draw a box around the names of the reaction apply devices.



1. 1st gear: The input apply devices are the _____ & _____; they drive the _____ & _____.

Color the input apply devices and planetary members blue.
The reaction apply device is the _____; it holds the _____.

Color the reaction apply device and planetary member red.



What are the planet gears in the OD gearset doing?

Ring _____, Carrier _____, Sun _____, Pinions _____

Mark these: R for Rotating, **L** for Locked (Stationary), or **W** for Walking.

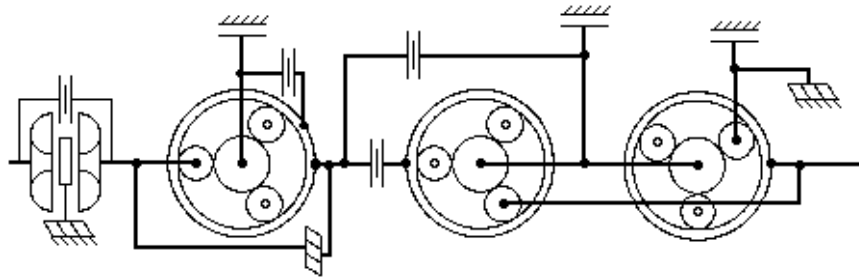
What are the planet gears in the input gearset doing?

Ring _____, Carrier _____, Sun _____, Pinions _____

What are the planet gears in the reaction gearset doing?

Ring _____, Carrier _____, Sun _____, Pinions _____

2. 2nd gear: The input apply devices are the _____ & _____; they drive the _____ & _____.



Color the input apply devices and planetary members blue. The reaction apply device is the _____; it holds the _____.

Color the reaction apply device and planetary member red.

What are the planet gears in the OD gearset doing?

Ring _____, Carrier _____, Sun _____, Pinions _____

What are the planet gears in the input gearset doing?

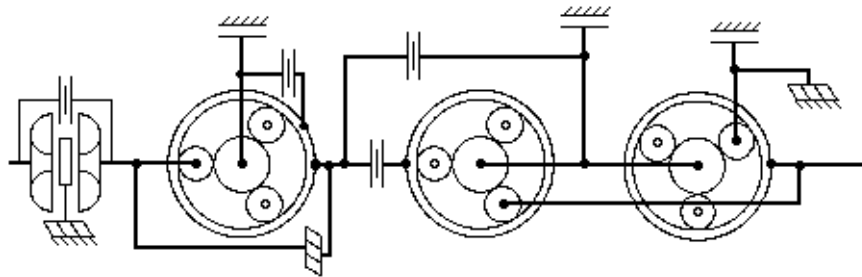
Ring _____, Carrier _____, Sun _____, Pinions _____

What are the planet gears in the reaction gearset doing?

Ring _____, Carrier _____, Sun _____, Pinions _____

3. 3rd gear: The input apply devices are the _____ & _____; they drive the _____ & _____.

Color the input apply devices and planetary members blue.



What are the planet gears in the OD gearset doing?

Ring _____, Carrier _____, Sun _____, Pinions _____

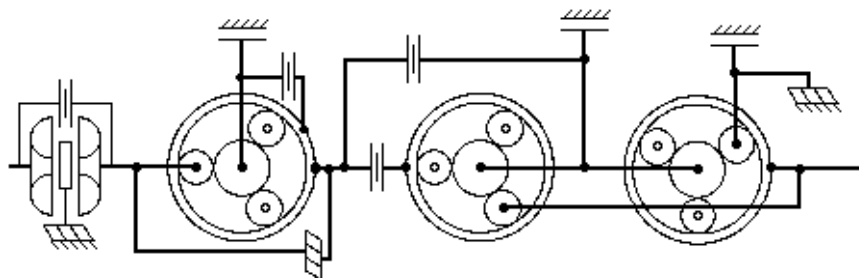
What are the planet gears in the input gearset doing?

Ring _____, Carrier _____, Sun _____, Pinions _____

What are the planet gears in the reaction gearset doing?

Ring _____, Carrier _____, Sun _____, Pinions _____

4. 4th gear: The input apply devices are the _____ & _____; they drive the _____ & _____.



Color the input apply devices and planetary members blue. The reaction apply device is the _____; it holds the _____.

Color the reaction apply device and planetary member red.

What are the planet gears in the OD gearset doing?

Ring _____, Carrier _____, Sun _____, Pinions _____

What are the planet gears in the input gearset doing?

Ring _____, Carrier _____, Sun _____, Pinions _____

What are the planet gears in the reaction gearset doing?

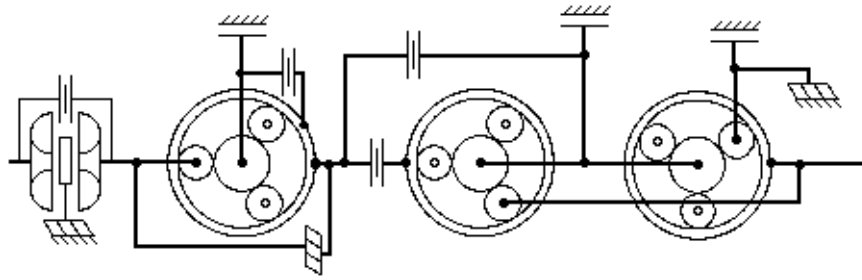
Ring _____, Carrier _____, Sun _____, Pinions _____

5. Reverse gear: The input apply devices are the _____ & _____; they drive the _____ & _____.

Color the input apply devices and planetary members blue.

The reaction apply device is the _____; it holds the _____.

Color the reaction apply device and planetary member red.



What are the planet gears in the OD gearset doing?

Ring _____, Carrier _____, Sun _____, Pinions _____

What are the planet gears in the input gearset doing?

Ring _____, Carrier _____, Sun _____, Pinions _____

What are the planet gears in the reaction gearset doing?

Ring _____, Carrier _____, Sun _____, Pinions _____