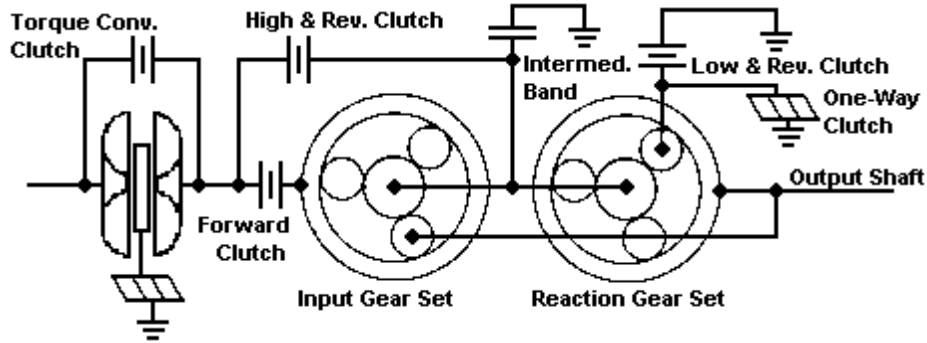


Student Name _____

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Date _____

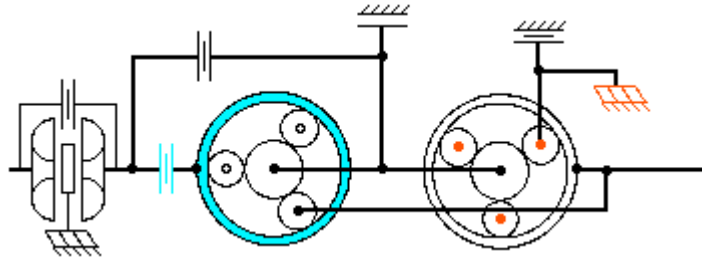
Directions: The clutch and band arrangement for a General Motors 3T40 (THM 125) is shown below. Circle names of the input apply devices. Draw a box around the reaction apply devices.



1. 1st gear: The input apply device is the **Forward Clutch**; it drives the **Input Ring/Internal Gear**. Color the input apply device and planetary member blue.

The reaction gearset apply device is the **One-Way Clutch**; & it holds the **Reaction Carrier**.

Color the reaction apply device and gearset member red.
What are the planet gears in the input gearset doing? **Walking around the sun gear**

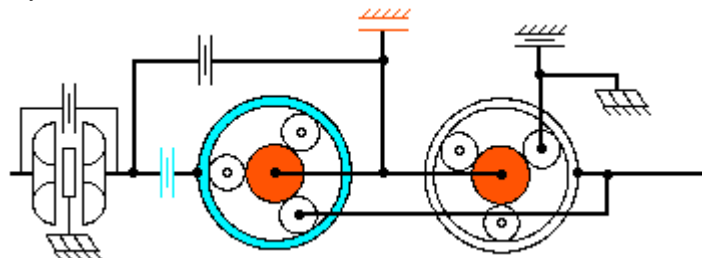


What are the planet gears in the reaction gearset doing? **Idlers**

2. 2nd gear: The input apply device is the **Forward Clutch** ; it drives the **Input Ring/Internal Gear** .

Color the input apply device and planetary member blue.
The reaction apply device is the **Intermediate Band**; it holds the **Sun Gears**.

Color the reaction apply device and gearset member red.
What are the planet gears in the input gearset doing?
Walking around the sun

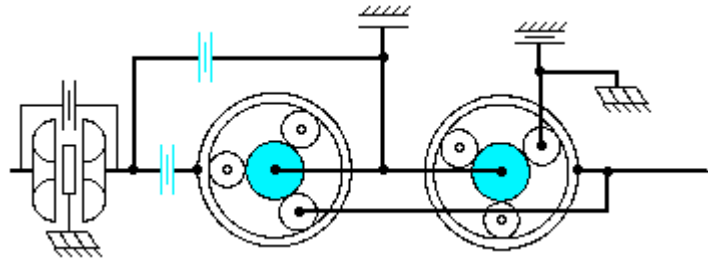


What are the planet gears in the reaction gearset doing? **Walking around the sun**

3. 3rd gear: The input apply devices are the **Forward Clutch** & **Direct/High & Rev. Clutch**; they drive the **Input Ring/Internal Gear** & **Sun Gears**.

Color the input apply device and planetary member blue.

What are the planet gears in the input gearset doing? **Locked up & Rotating with the Ring & Sun Gears**



What are the planet gears in the reaction gearset doing? **Locked up & Rotating with the Ring & Sun Gears**

4. Manual 1st gear: The input apply device is the **Forward Clutch**; it drives the **Input Ring/Internal Gear**.

Color the input apply device and planetary member blue.

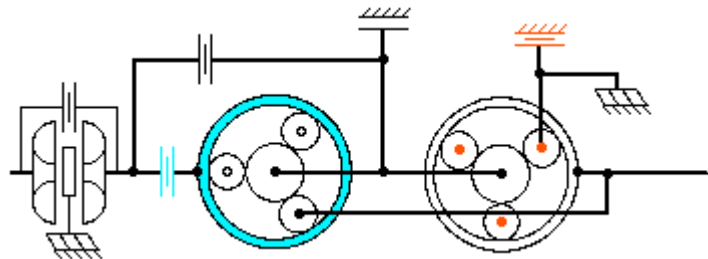
The reaction apply device is the **Low & Reverse Clutch**; it holds the **Reaction Carrier**.

Color the reaction apply device and gearset member red.

What are the planet gears in the input gearset doing? **Walking around the sun gear**

What is the sun gear doing? **Rotating counterclockwise**

What are the planet gears in the reaction gearset doing? **Idlers**



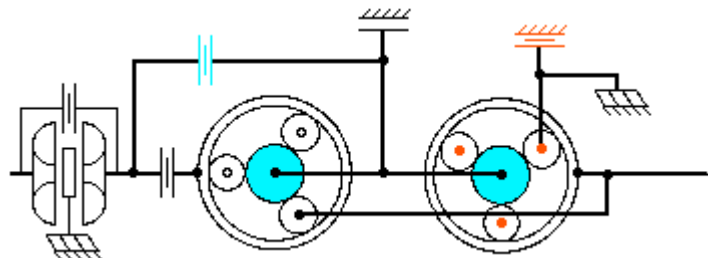
5. Reverse gear: The input apply device is the **Direct/High & Rev. Clutch**; it drives the **Sun Gear**.

Color the input apply device and planetary member blue.

The reaction apply device is the **Low & Reverse Clutch**; it holds the **Reaction Carrier**.

Color the reaction apply device and planetary member red.

What are the planet gears in the input gearset doing? **Rotating Idlers**



What are the planet gears in the reaction gearset doing? **Idlers**