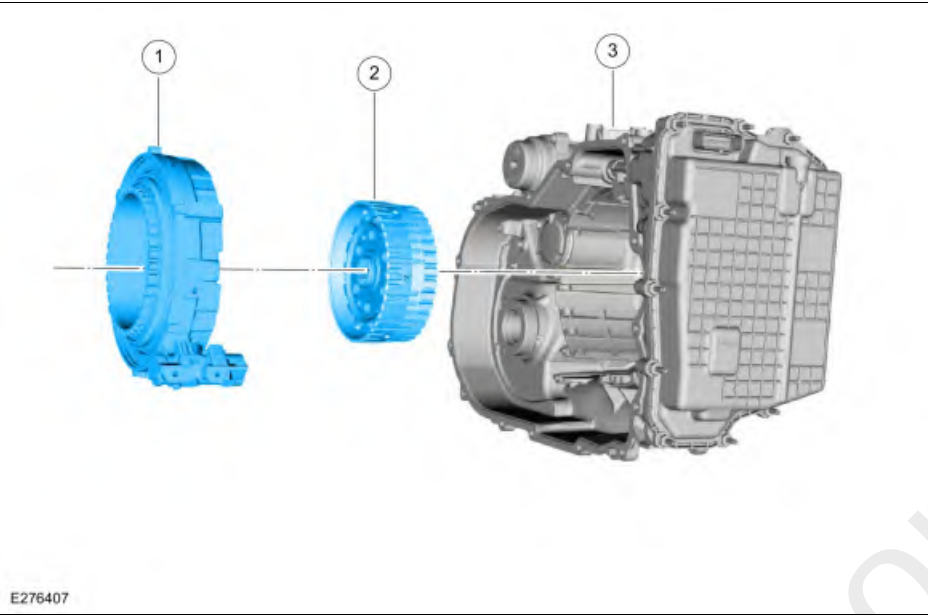


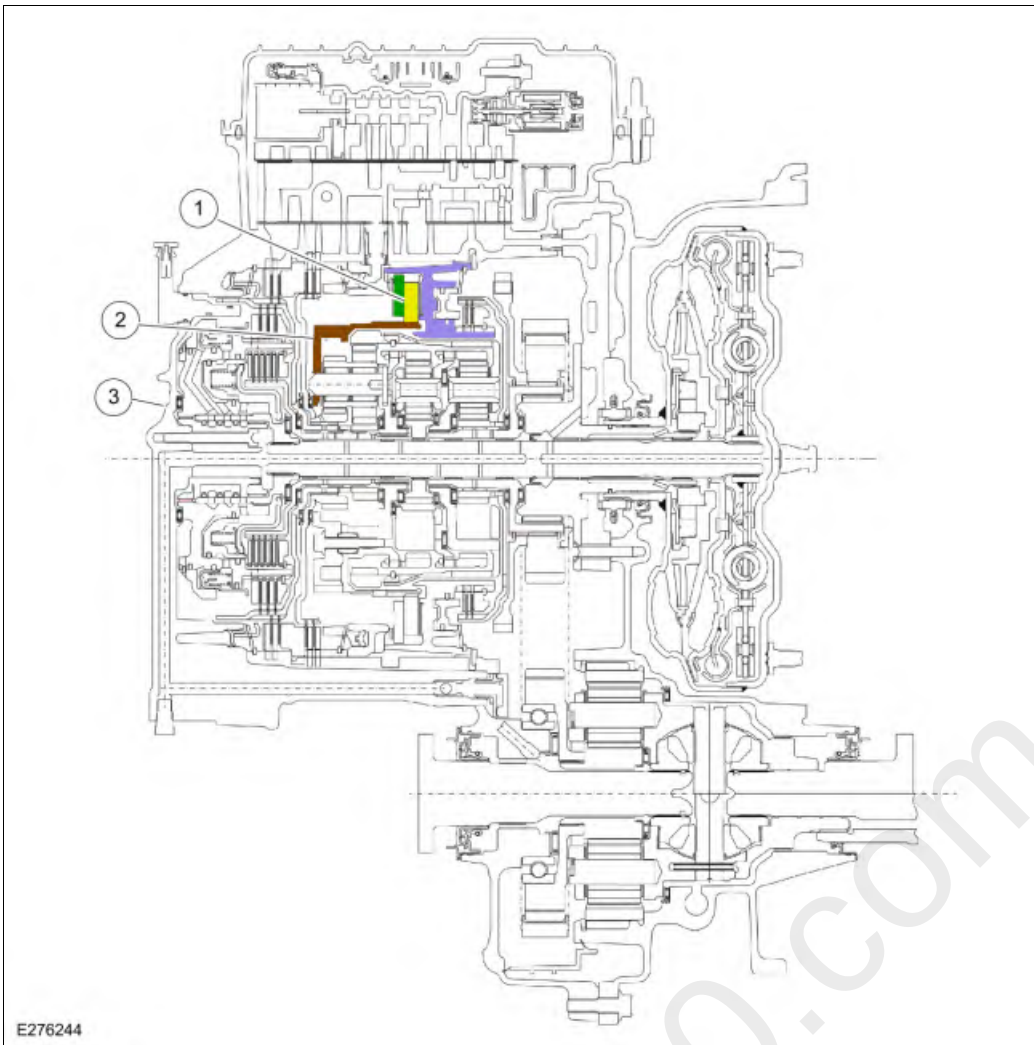
Hydraulic Selectable One-Way Clutch Assembly

Hydraulic Selectable One-Way Clutch (SOWC) Assembly



Item	Description
1	Hydraulic SOWC assembly
2	Reaction/overdrive planetary carrier
3	Transmission case

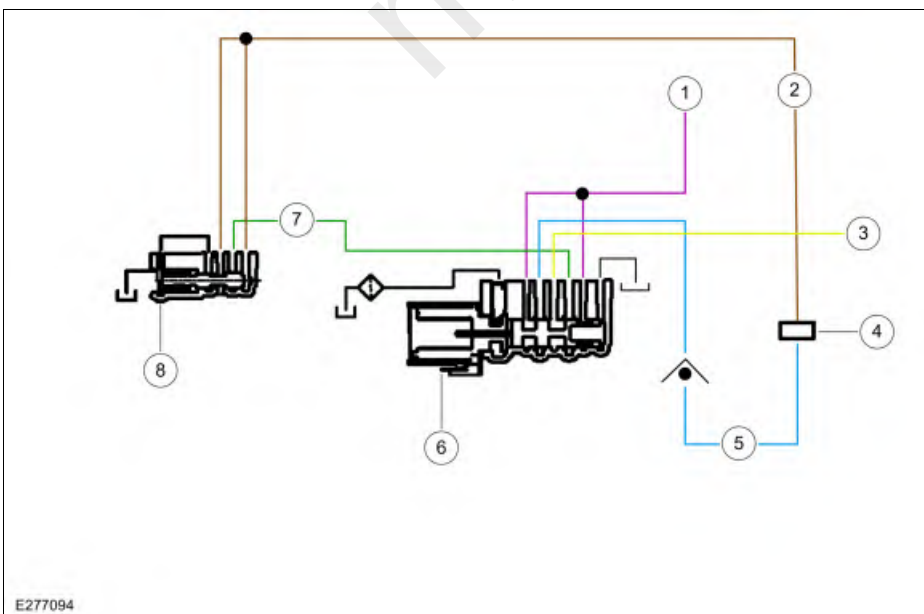
Hydraulic Selectable One-Way Clutch (SOWC) Cutaway View



Hydraulic Selectable One-Way Clutch (SOWC)

The hydraulic SOWC contains a One-Way Clutch (OWC) that is mechanical. The One-Way Clutch (OWC) prevents the input ring gear, reaction carrier and overdrive carrier from rotating backwards. The hydraulic SOWC also contains a "Selectable" One-Way Clutch (OWC) that is controlled by the SSD, pressure from the solenoid causes a strut to deploy, preventing the input ring gear, reaction carrier and overdrive carrier from rotating forward when deployed. In 1A the One-Way Clutch (OWC) holds power on, providing 1st gear ratio.

Hydraulic Selectable One-Way Clutch (SOWC) Hydraulic Circuits



Item	Description