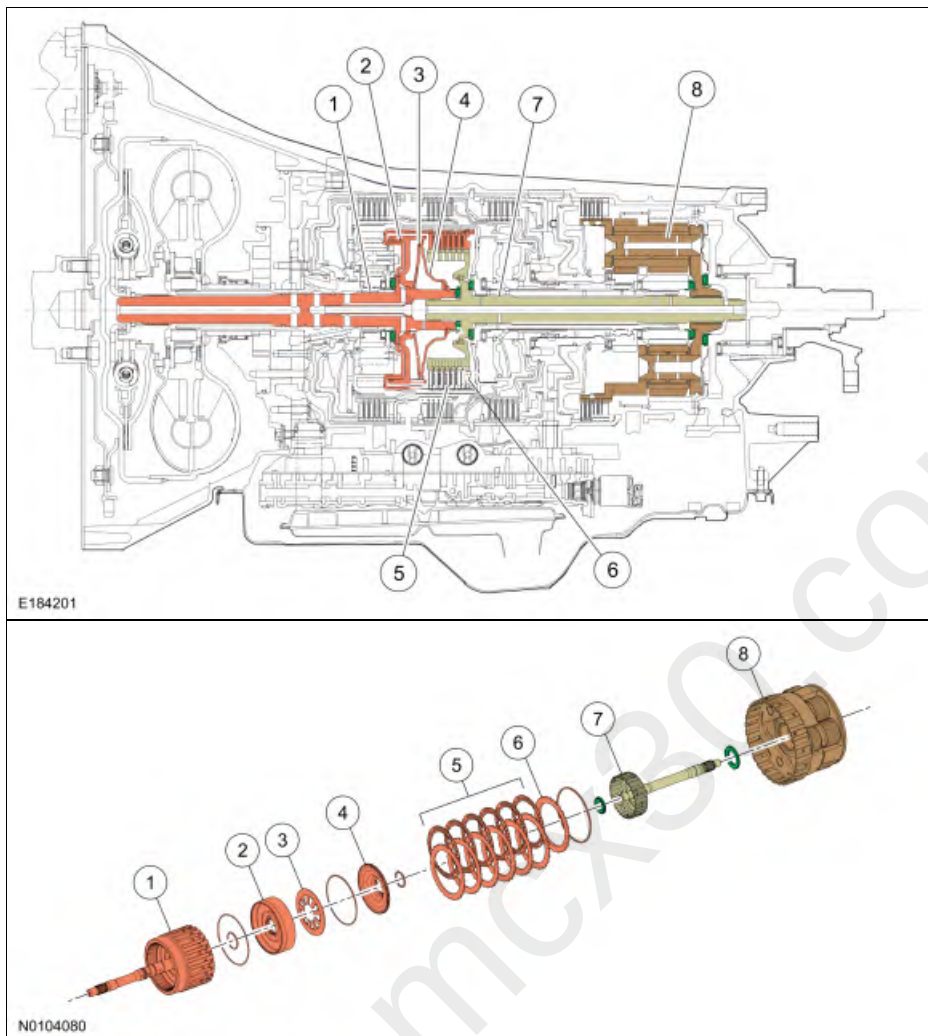


Overdrive Clutch Assembly

Overdrive (O/D) Clutch Cutaway View



Overdrive (O/D) Clutch Exploded View

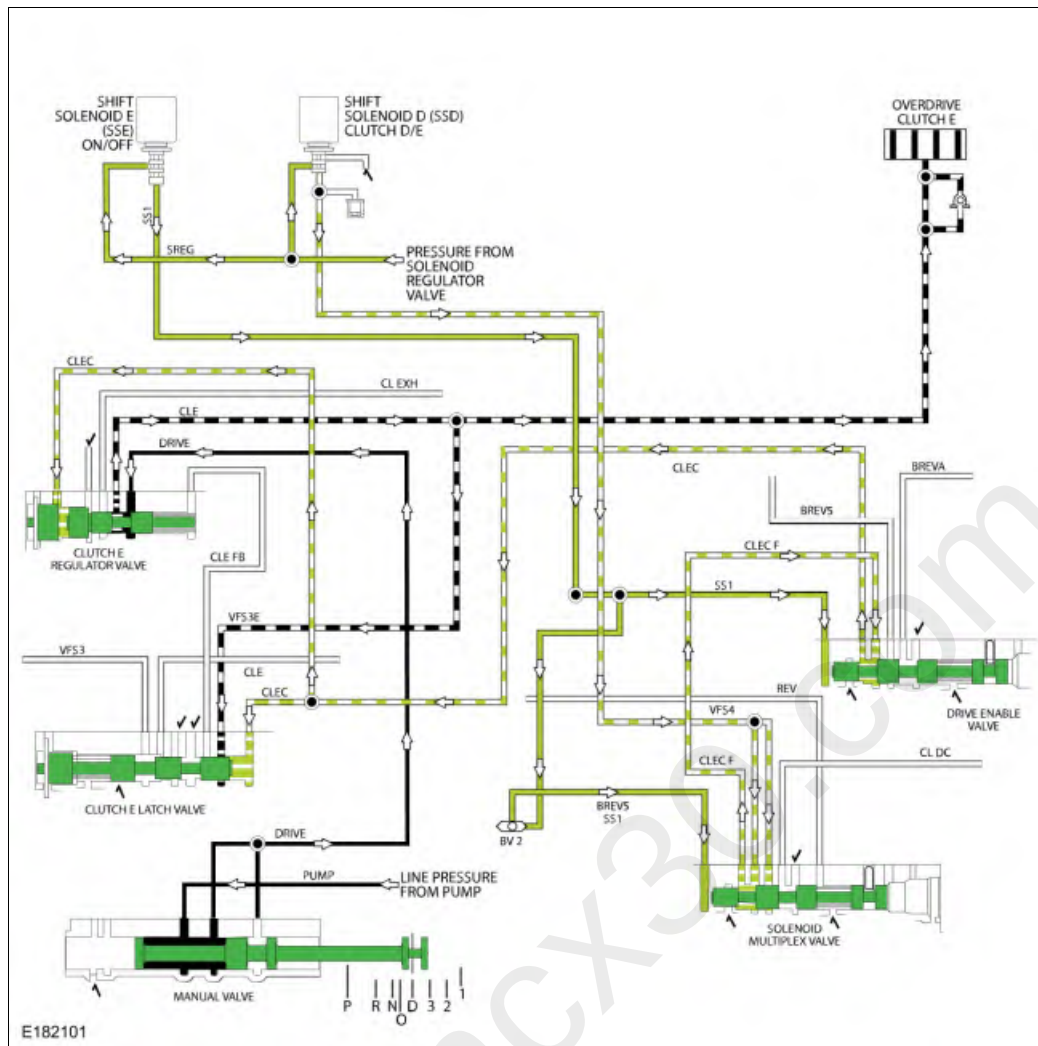
Item	Description
1	Input shaft assembly
2	Overdrive clutch piston
3	Overdrive clutch piston return spring
4	Overdrive clutch balance piston
5	Overdrive clutch friction and steel plates
6	Overdrive clutch pressure plate
7	Intermediate shaft
8	Rear planetary carrier assembly

To apply the overdrive clutch, the manual valve must be in the DRIVE position. Line pressure is supplied to the clutch E regulator valve.

SSD provides regulated solenoid pressure from the SREG circuit to the solenoid multiplex valve through the VFS4 circuit. SSE supplies pressure to the solenoid multiplex valve and the drive enable valve to position the valves to direct pressure from the VFS4 circuit to the CLEC F and CLEC circuits to position the clutch E regulator and latch valves to apply the overdrive clutch.

The clutch E regulator valve provides regulated line pressure from the DRIVE circuit to the CLE circuit to apply the overdrive clutch.

Overdrive Clutch Hydraulic Circuits Applied In 4th, 5th And 6th Gear



In 2nd, 3rd, 4th, 5th and 6th gear, the D2 Latch valve directs a small amount of fluid from the PUMP circuit the CL EXH circuit. When SSD is hydraulically off and the Manual Valve is in DRIVE, CLE circuits are filled with fluid from the CL EXH circuit under low pressure, (21kPa/ 3 PSI). This keeps air out of the CLE circuit resulting in a smooth shift into 4th gear.

Overdrive Clutch Hydraulic Circuits Released In 2nd And 3rd Gear

