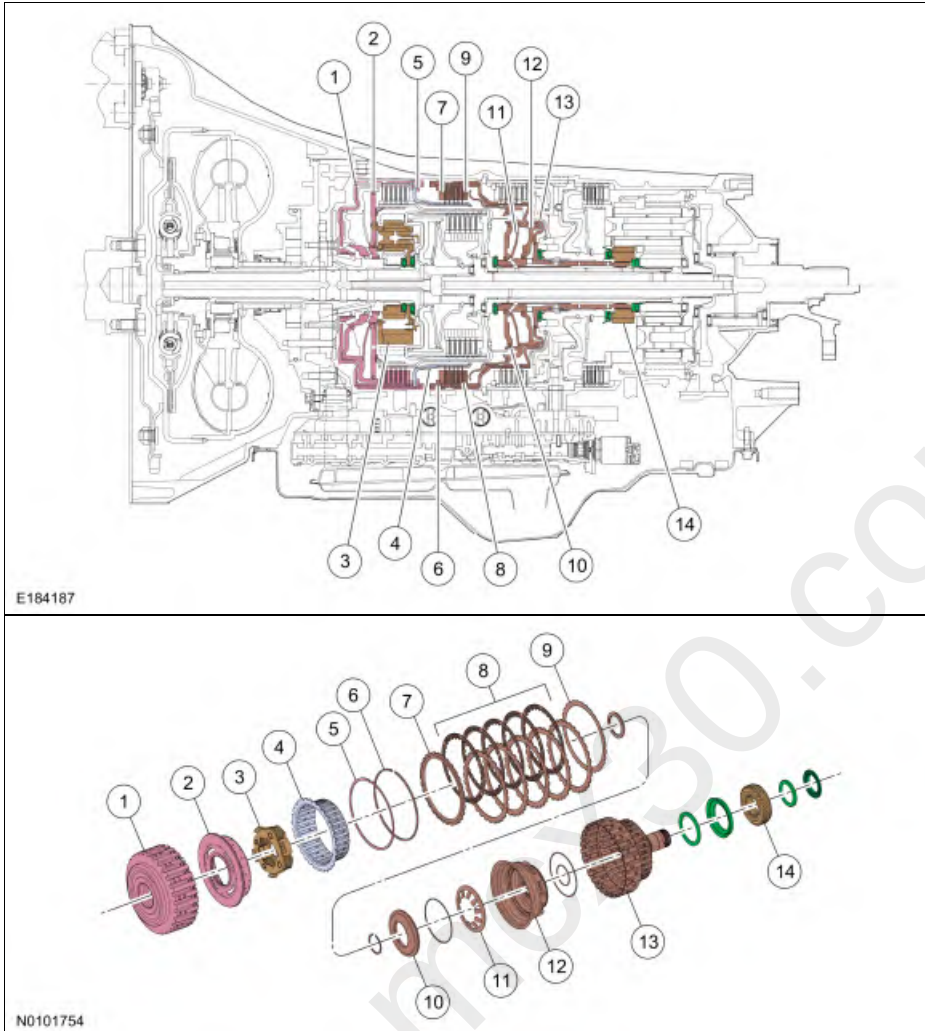


Direct Clutch Assembly

Direct Clutch Cutaway View



Direct Clutch Exploded View

Item	Description
1	Forward clutch (A) cylinder
2	Forward clutch balance piston
3	Front planetary carrier assembly
4	Direct clutch (B) hub
5	Direct clutch pressure plate retaining ring (selective)
6	Direct clutch pressure plate retaining ring (selective)
7	Direct clutch pressure plate
8	Direct clutch assembly (quantity model dependent)
9	Direct clutch cushion plate
10	Direct clutch balance piston
11	Direct clutch piston return spring

12	Direct clutch piston
13	Direct clutch cylinder
14	Rear planetary sun gear No. 2

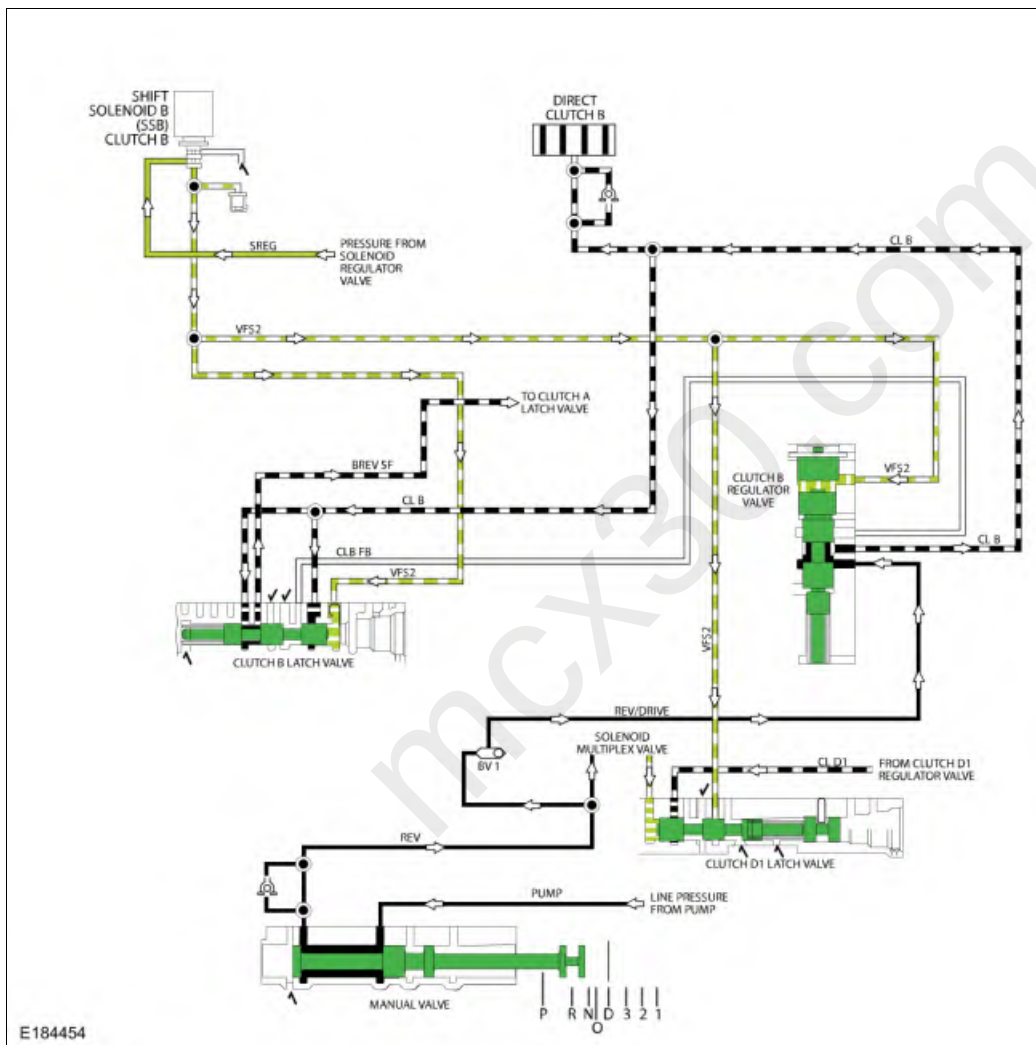
Direct Clutch (B) Hydraulic Circuits

To apply the direct clutch (B), the manual valve can be in the REVERSE, DRIVE, 3, 2 or 1 position to provide line pressure to the clutch B regulator valve through the REV/DRIVE circuit.

For the direct clutch (B) to apply in reverse, SSB provides regulated solenoid pressure from the SREG circuit to the clutch B regulator and latch valves through the VFS2 circuit.

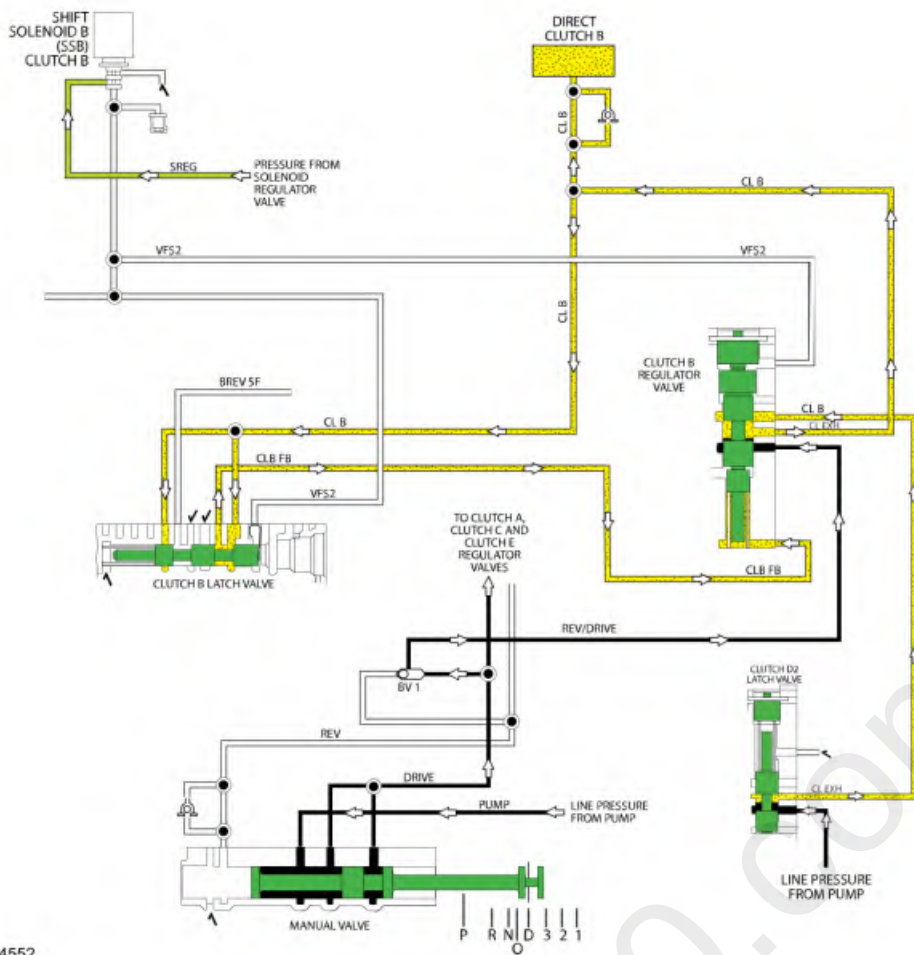
The clutch B regulator valve provides regulated line pressure to the CL B circuit to apply the direct clutch (B).

Direct (3, 5, R) Clutch Hydraulic Circuits (Applied in reverse)



The direct clutch is applied the same way in 3rd and 5th gear with one exception. VFS2 pressure is routed through the Clutch D1 Latch valve into the VFS2D circuit. VFS2D is routed to the clutch B regulator valve where it opposes VFS2 pressure. This action effectively reduces the amount of VFS2 force acting on the regulator valve and results in a smooth shift.

Direct (3, 5, R) Clutch Hydraulic Circuits (Applied in 3rd and 5th gear)



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