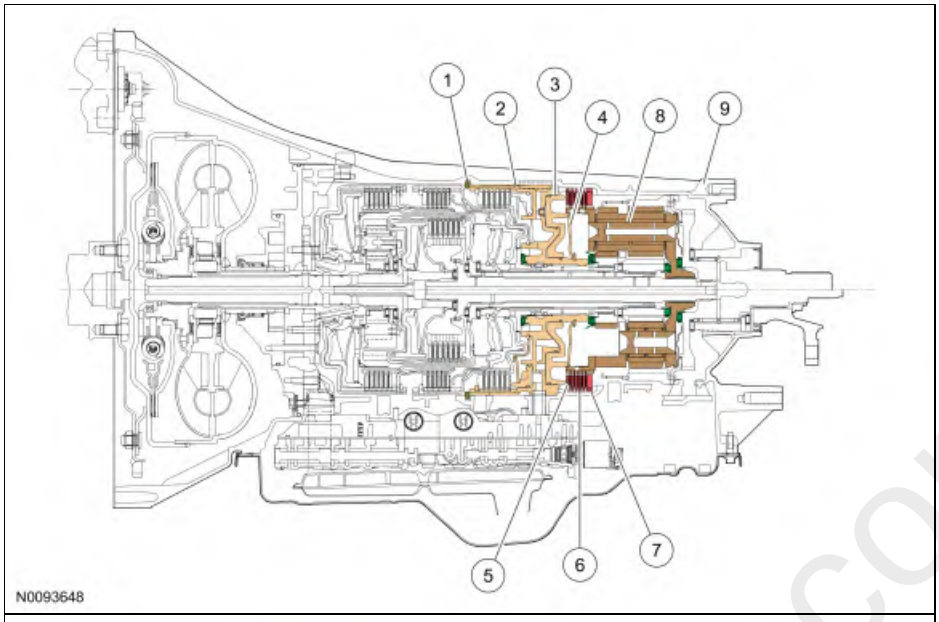
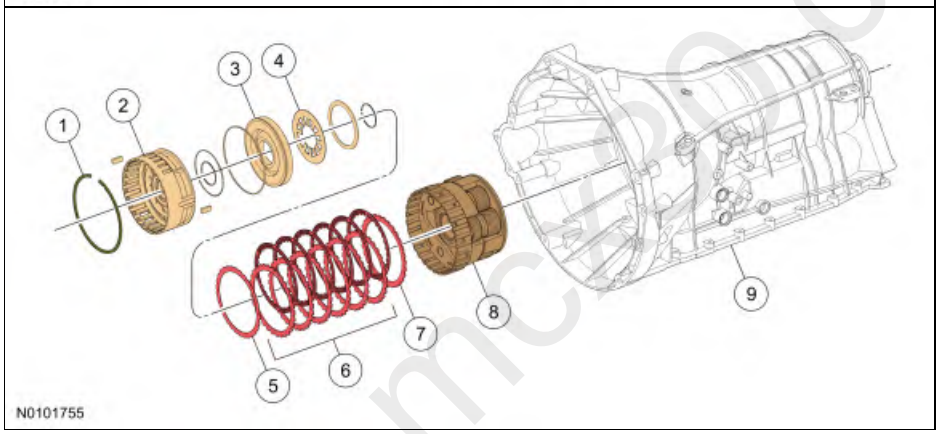
Low/Reverse Clutch Assembly

Low/Reverse Clutch Cutaway View





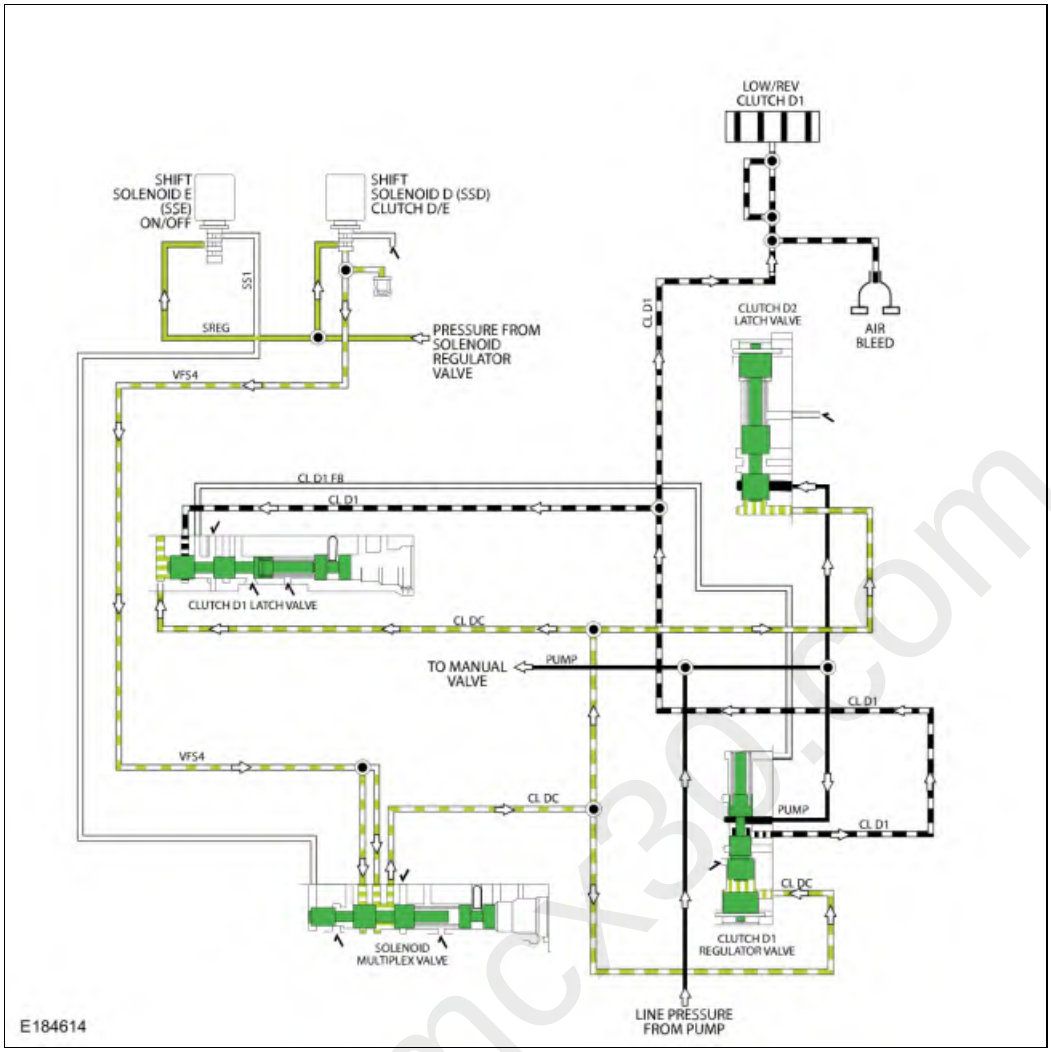
Low/Reverse Clutch Exploded View

Item	Description
1	Center support retaining ring
2	Center support assembly
3	Low/reverse clutch (D) piston
4	Low/reverse clutch piston return spring
5	Low/reverse clutch disc cushion plate
6	Low/reverse clutch assembly
7	Low/reverse clutch pressure plate
8	Rear planetary carrier assembly
9	Transmission case assembly

Low/Reverse Clutch Hydraulic Circuits

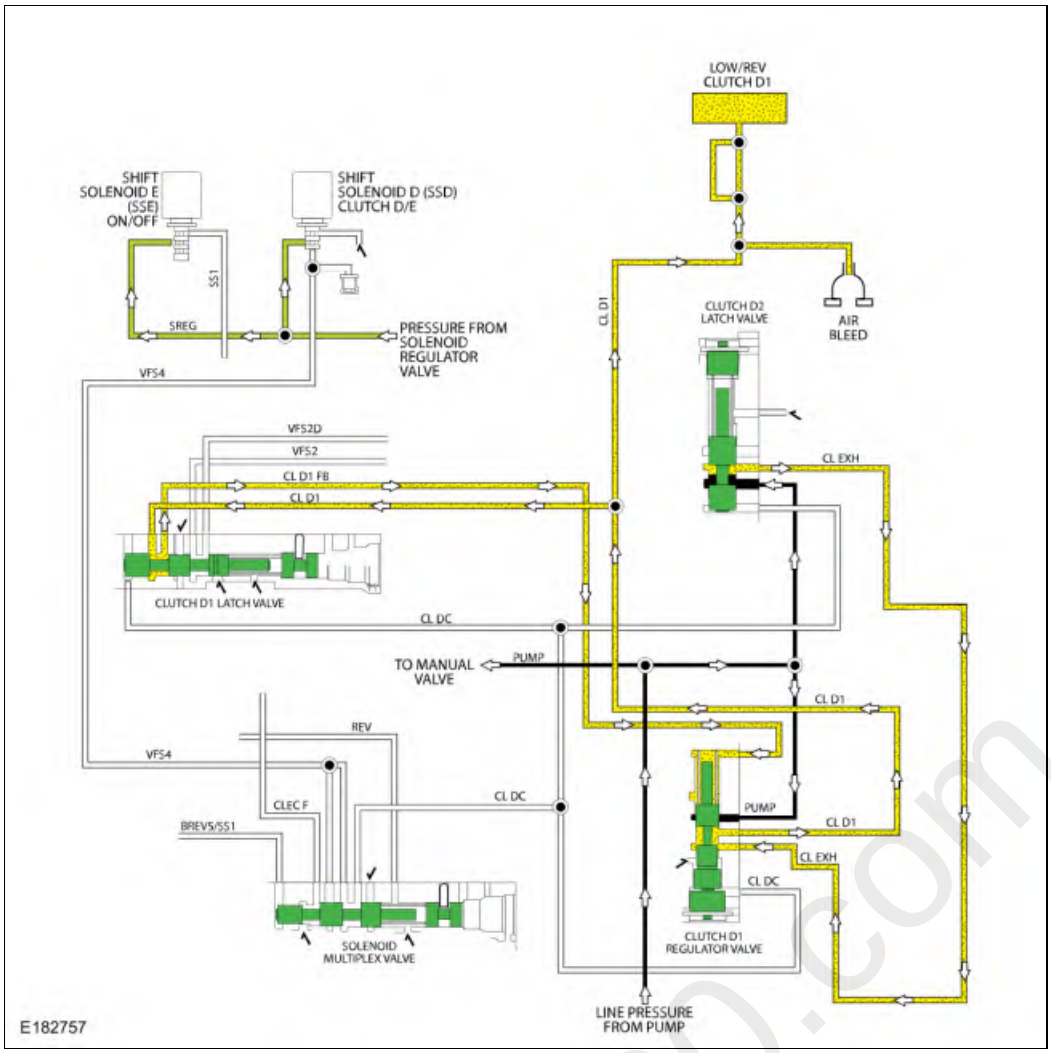
To apply the low/reverse clutch, the manual valve can be in any position. Line pressure is supplied to the D1 regulator and latch valves through the PUMP circuit. SSD provides regulated solenoid pressure from the SREG circuit to the solenoid multiplex valve through the VFS4 circuit where it is directed to the D1 regulator and latch valves through the CL DC circuit to position the valves. The clutch D1 regulator valve provide regulated line pressure from the PUMP circuit to the CL D1 circuit to apply the low/reverse clutch.

Low/Reverse Clutch Hydraulic circuits Applied In PARK, REVERSE, NEUTRAL And 1st 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, CLD1 circuits are filled with fluid from the CL EXH circuit under low pressure, (21kPa/ 3 PSI). This keeps air out of the CLD1 circuit resulting in a smooth downshift into 1st gear.

Low/Reverse Clutch Hydraulic circuits Released


LOW/REV
CLUTCH D1
SHIFT
SOLENOID E
(SSE)
ON/OFF
SHIFT
SOLENOID D (SSD)
CLUTCH D/E
SS1
SREG
PRESSURE FROM
SOLENOID
REGULATOR
VALVE
VFS4
CL D1
CLUTCH D2
LATCH VALVE
AIR
BLEED
VFS2D
VFS2
CL D1 FB
CL D1
CL EXH
CLUTCH D1 LATCH VALVE
CL DC
TO MANUAL
VALVE
PUMP
CL D1
REV
VFS4
CLEC F
CL DC
PUMP
CL D1
BREVS/SS1
CL EXH
CL DC
SOLENOID
MULTIPLEX VALVE
CLUTCH D1
REGULATOR VALVE
LINE PRESSURE
FROM PUMP
E182757