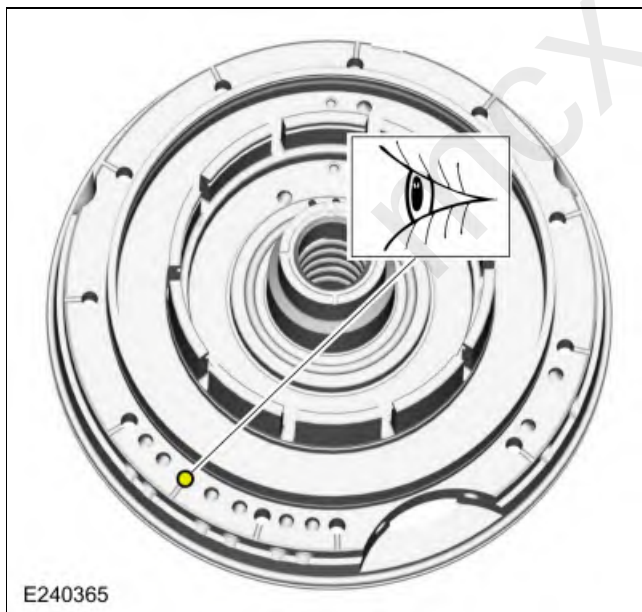
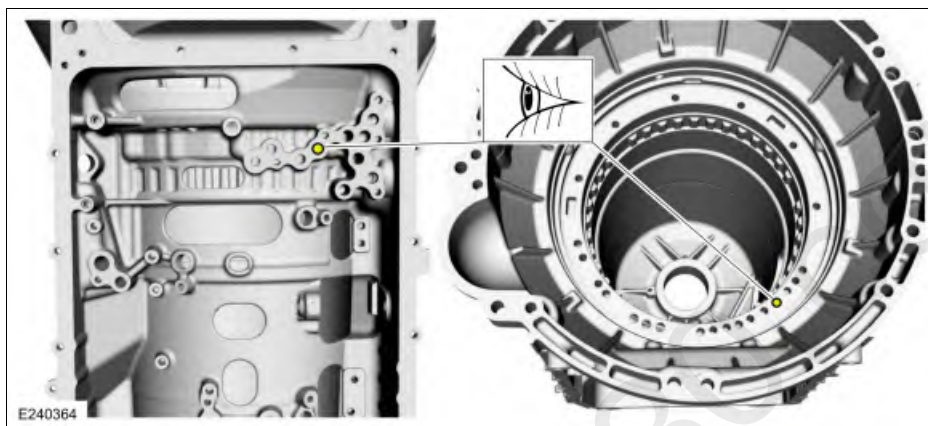


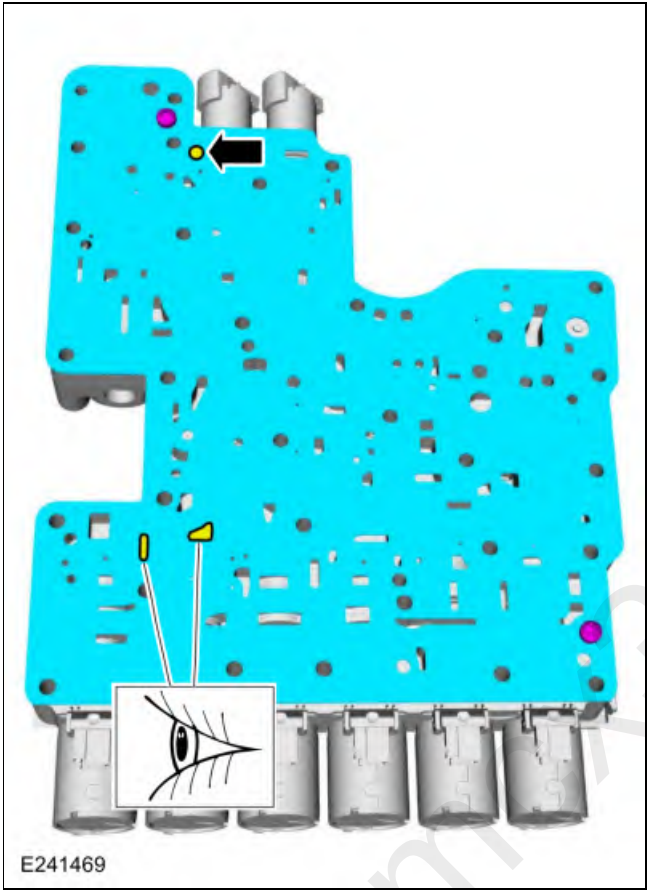
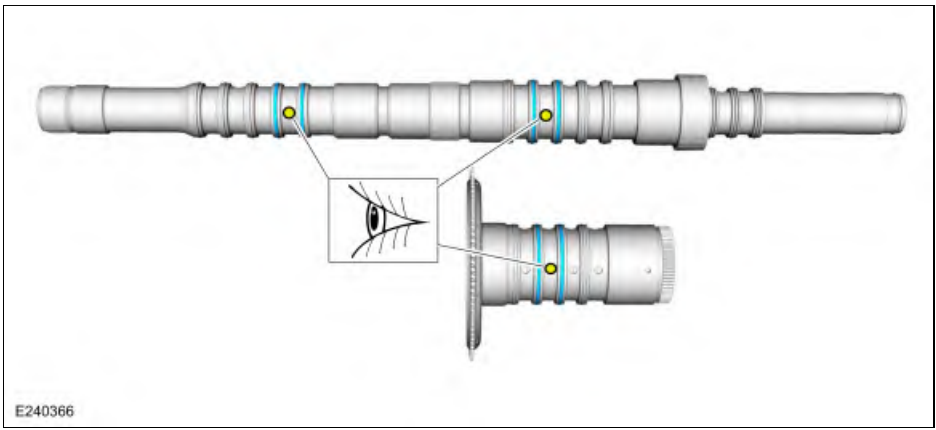
5	Control pressure to latch valve
6	F clutch latch valve
7	Apply pressure to mechanical F clutch
8	Mechanical F clutch
9	Elevated exhaust pressure
10	Clutch exhaust

F Clutch Hydraulic Operation

Line pressure is supplied to the F clutch control valve and the F clutch latch valve. As SSF turns on, it moves the control valve allowing regulated line pressure to flow to the F clutch latch valve and then to the mechanical F clutch. When the regulated line pressure in the F clutch control circuit reaches approximately 689 kPa (100 psi), the mechanical F clutch is fully applied. The pressure in the F clutch control circuit moves the F clutch latch valve to the left which allows line pressure to hold the mechanical F clutch applied.

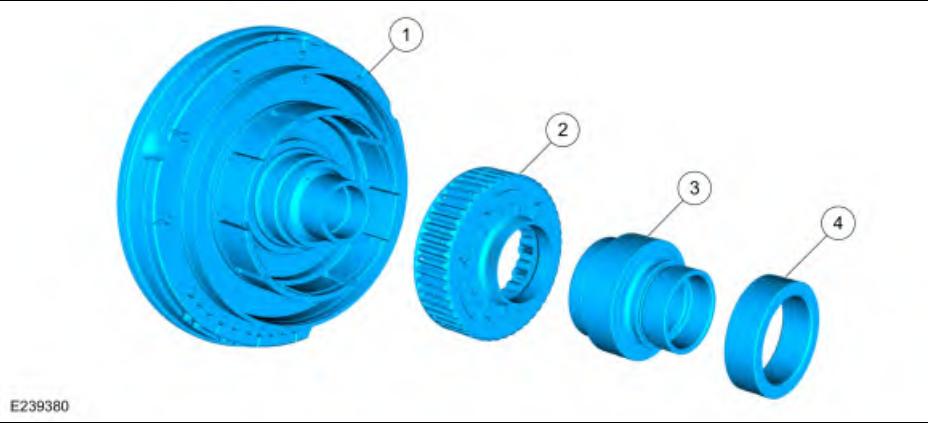
F Clutch Hydraulic Passages





Low One-Way Clutch Assembly

One-Way Clutch (OWC) Exploded View



Item	Description
1	Front support assembly
2	One-Way Clutch (OWC)
3	Sun gear No. 1
4	Sun gear No. 2

One-Way Clutch (OWC) Mechanical Operation



The One-Way Clutch (OWC) is a brake clutch that holds the sun gears No. 1 and 2 in one direction and allows it to freewheel in the opposite direction eliminating engine braking in 1st gear when the transmission is in drive. The rollers of the OWC lock to a inner race that is part of the front support assembly.

- 1. One-Way Clutch (OWC) rollers
- 2. One-Way Clutch (OWC) inner race

