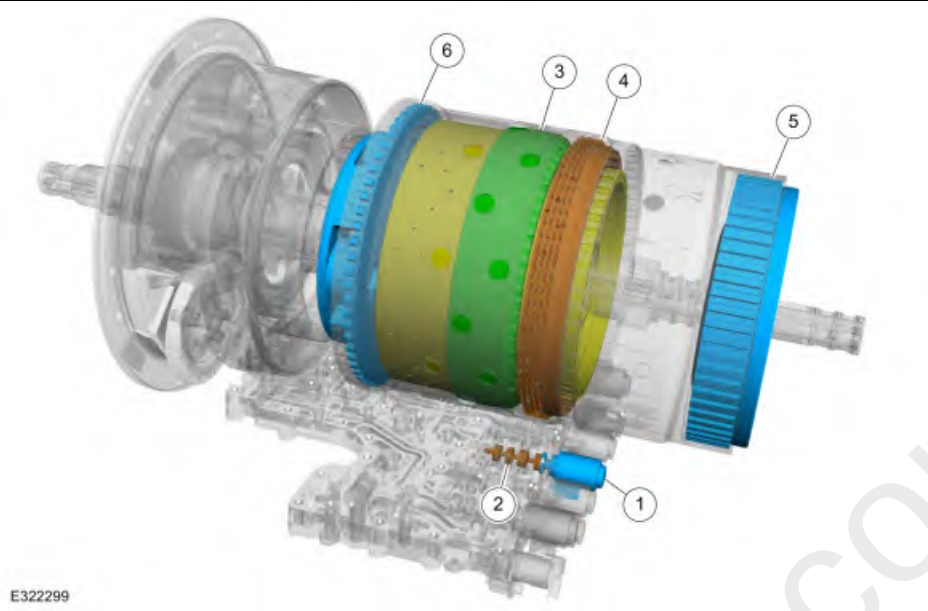


F Clutch

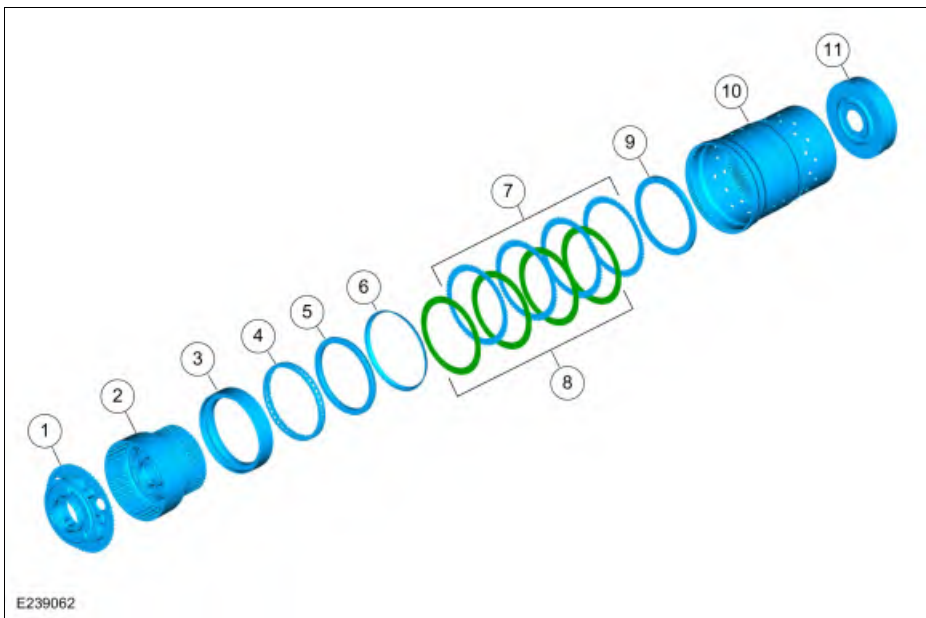
Overview



Item	Description
1	SSF
2	F clutch control valve
3	F clutch piston
4	F clutch assembly
5	Ring gear No. 4
6	Planetary carrier No. 1

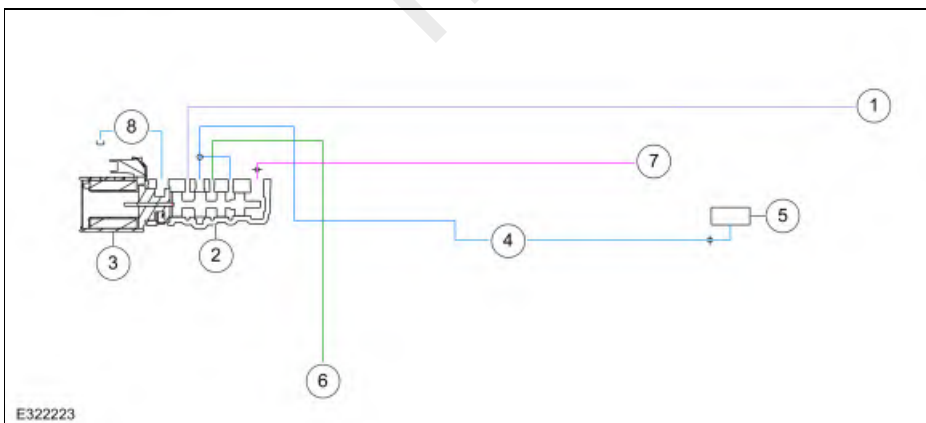
Ring gear No. 4 is mechanically connected to planetary carrier No. 1 and connected to the F clutch. When the F clutch applies, the ring gear No. 4 may be connected to ring gear No. 2 through the C clutch. Ring gear No. 4 may also connect to planetary carrier No. 3 through the D clutch.

F Clutch Exploded View



Item	Description
1	Planetary carrier No. 1
2	CDF clutch cylinder
3	F clutch piston
4	F clutch piston return spring
5	F clutch balance dam
6	F clutch apply ring
7	F clutch friction plates
8	F clutch steel plates
9	F clutch pressure plate
10	Cylinder (clutch and planetary container)
11	Ring gear No. 4

F Clutch Hydraulic Circuits



Item	Description
1	Pump output
2	F clutch control valve
3	SSF

4	Clutch control pressure to mechanical F clutch
5	Mechanical F clutch
6	Control pressure exhaust
7	Elevated exhaust pressure
8	Exhaust

F Clutch Hydraulic Operation

Pump output pressure is supplied to the F clutch control valve. As SSF turns on, it moves the control valve allowing regulated pump output pressure to flow to the mechanical F clutch. When the regulated pump output pressure in the F clutch control circuit reaches approximately 689 kPa (100 psi), the mechanical F clutch is fully applied.

F Clutch Hydraulic Passages

