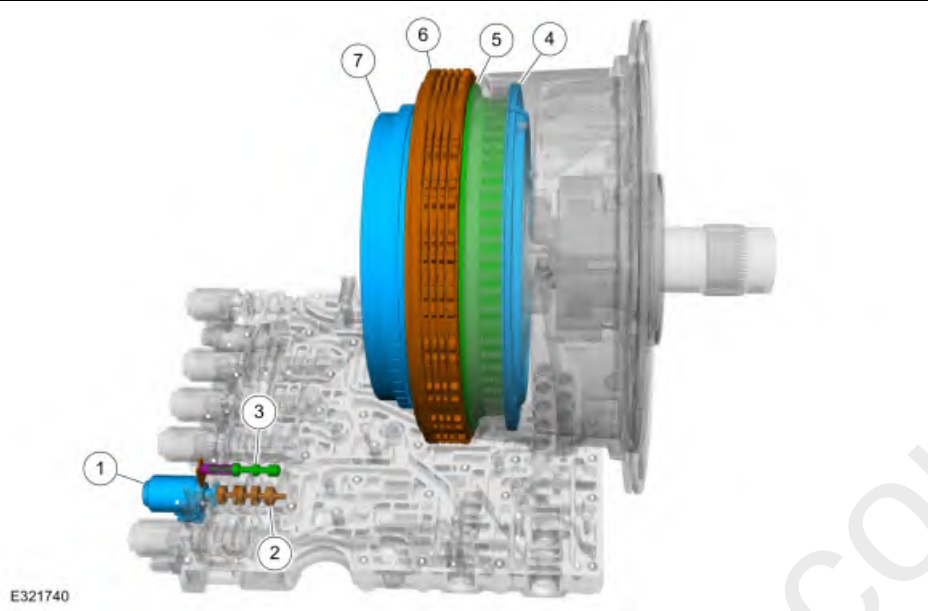


A Clutch

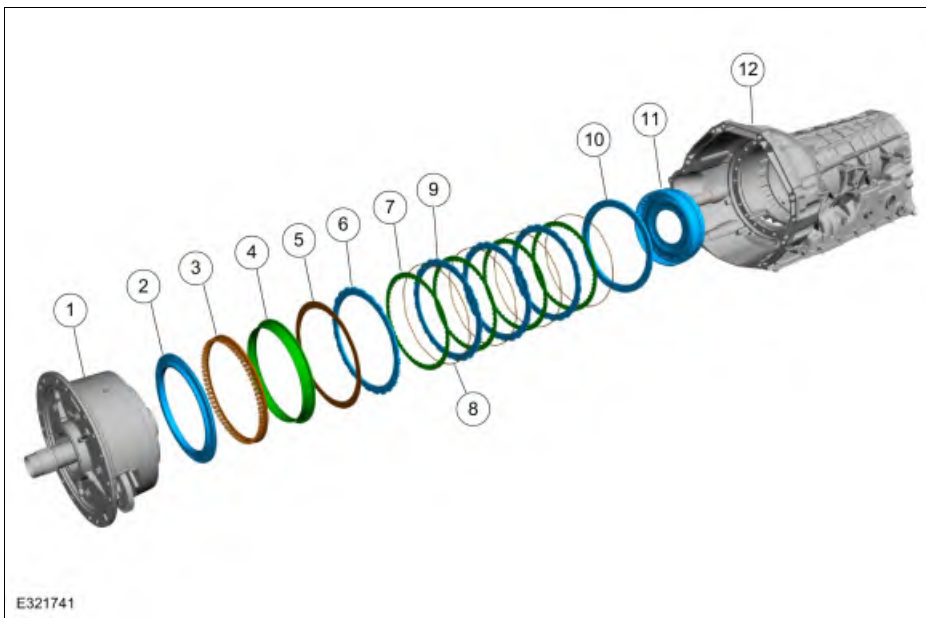
Overview



Item	Description
1	SSA
2	A clutch control valve
3	A clutch latch valve
4	A clutch piston
5	A clutch apply ring
6	A clutch assembly
7	Ring gear No. 1

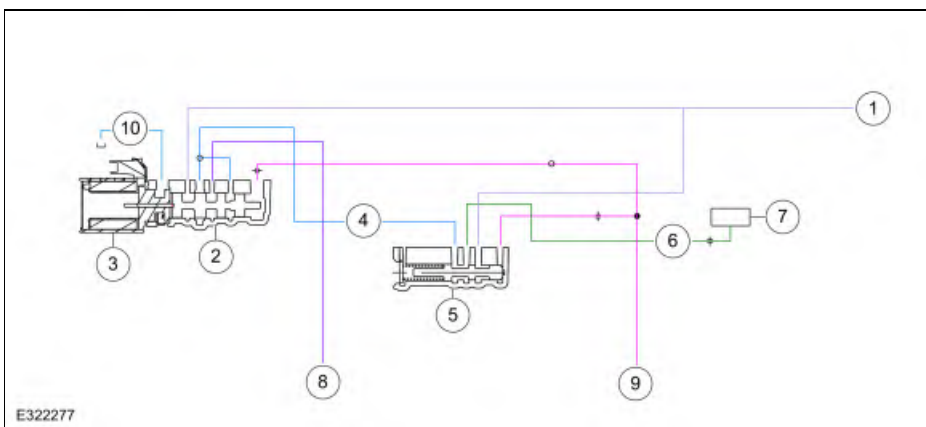
Ring gear No. 1 is connected to the A clutch. When the A clutch applies, it holds the ring gear No. 1 stationary.

A Clutch Exploded View



Item	Description
1	Front support assembly
2	A clutch piston
3	A clutch piston return spring
4	A clutch apply ring
5	A clutch wave spring
6	A clutch apply plate
7	A clutch friction plates
8	A clutch separating springs
9	A clutch steel plates
10	A clutch pressure plate
11	Ring gear No. 1
12	Transmission case

A Clutch Hydraulic Circuits



Item	Description
1	Pump output
2	A clutch control valve

3	SSA
4	Control pressure to latch valve
5	A clutch latch valve
6	Control pressure to mechanical A clutch
7	Mechanical A clutch
8	Control pressure exhaust
9	Elevated exhaust pressure
10	Exhaust

A Clutch Hydraulic Operation

Pump output pressure is supplied to the A clutch control valve and the A clutch latch valve. As SSA turns on, it moves the control valve allowing regulated pump output pressure to flow to the A clutch latch valve and then to the mechanical A clutch. When the regulated pump output pressure in the A clutch control circuit reaches approximately 698 kPa (100 psi), the mechanical A clutch is fully applied. The pressure in the A clutch control circuit moves the A clutch latch valve to the left which allows pump output pressure to hold the mechanical A clutch applied.

A Clutch Hydraulic Passages

