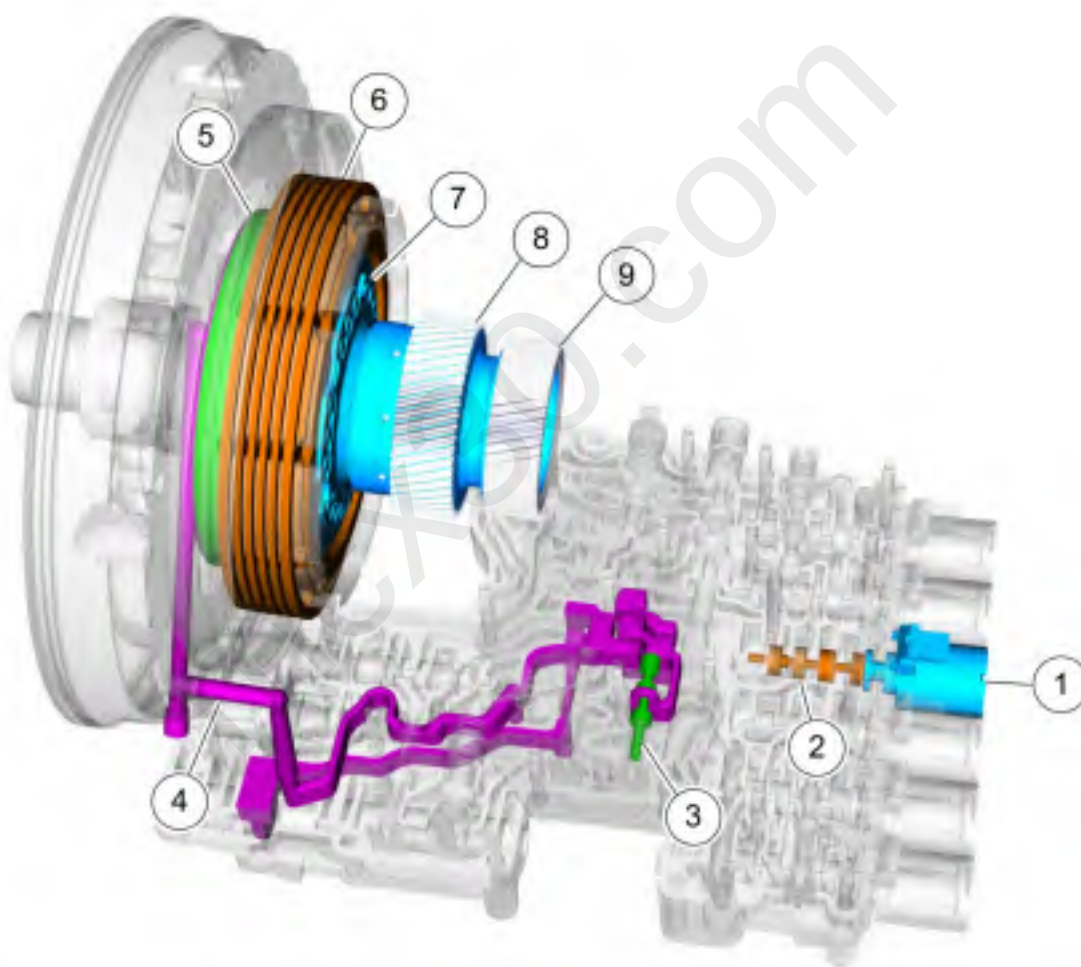


B Clutch

Overview



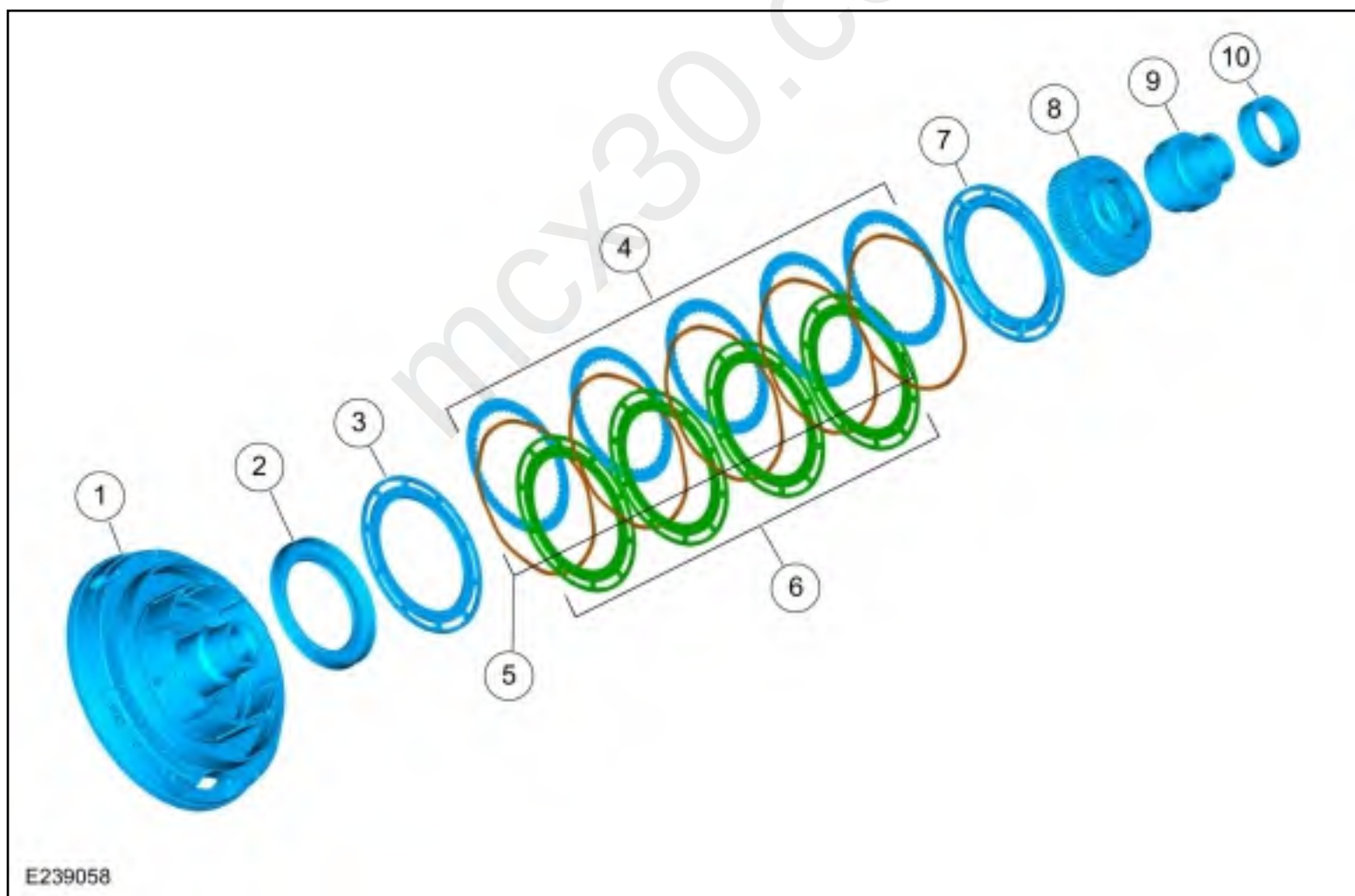
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Item	Description
1	SSB
2	B clutch control valve

3	B clutch latch valve
4	B clutch apply circuit
5	B clutch piston
6	B clutch assembly
7	One-Way Clutch (OWC)
8	Sun gear No. 1
9	Sun gear No. 2

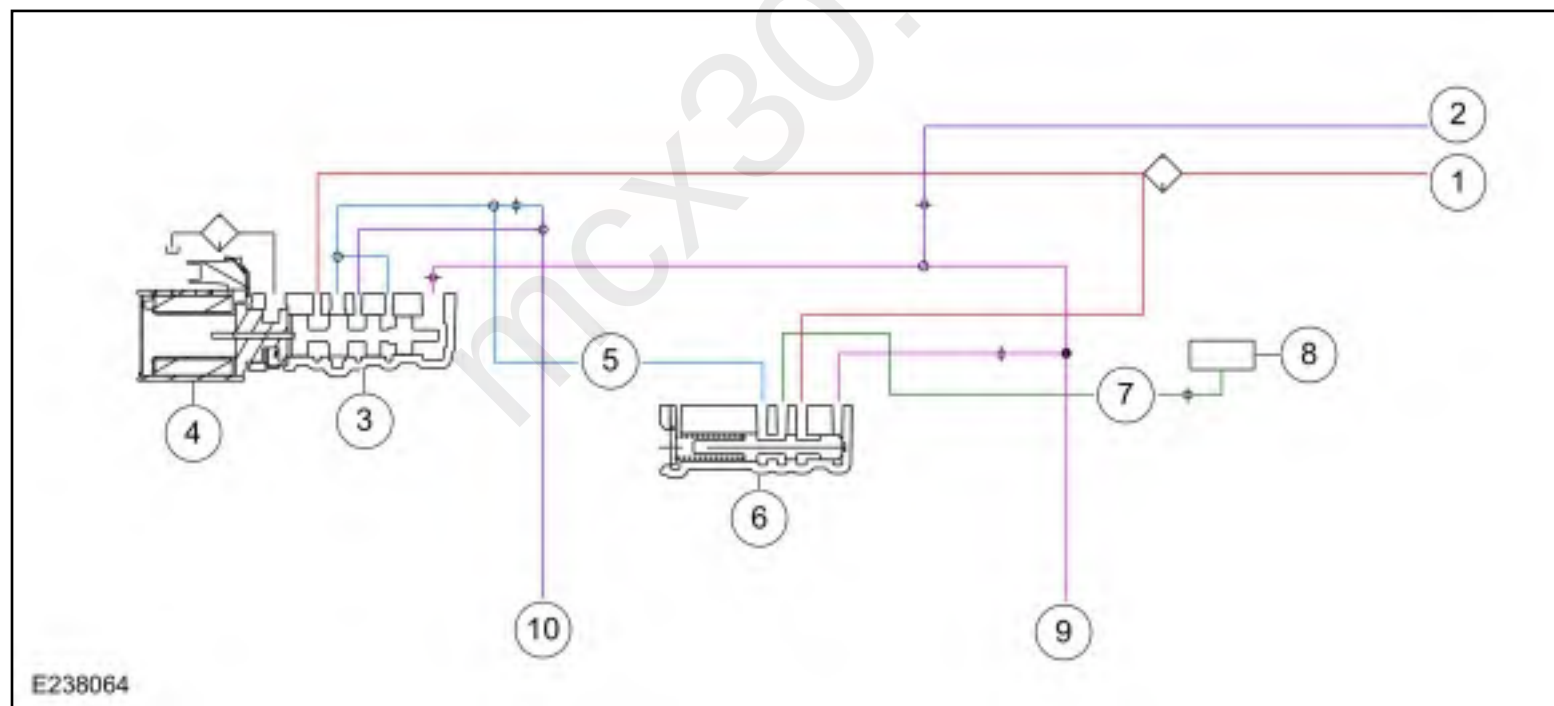
Sun gear No. 1 is mechanically connected to sun gear No. 2. Sun gear No. 1 is also connected to the B clutch. When the B clutch applies, it holds the sun gear No. 1 and sun gear No. 2 stationary. The One Way Clutch (OWC) also holds the sun gear No. 1 and sun gear No. 2 stationary during acceleration in first and second gear when the shifter is in the D position.

B Clutch Exploded View



Item	Description
1	Front support assembly
2	B clutch piston
3	B clutch apply plate
4	B clutch friction plates
5	B clutch separating springs
6	B clutch steel plates
7	B clutch pressure plate
8	One-Way Clutch (OWC)
9	Sun gear No. 1
10	Sun gear No. 2

B Clutch Hydraulic Circuits



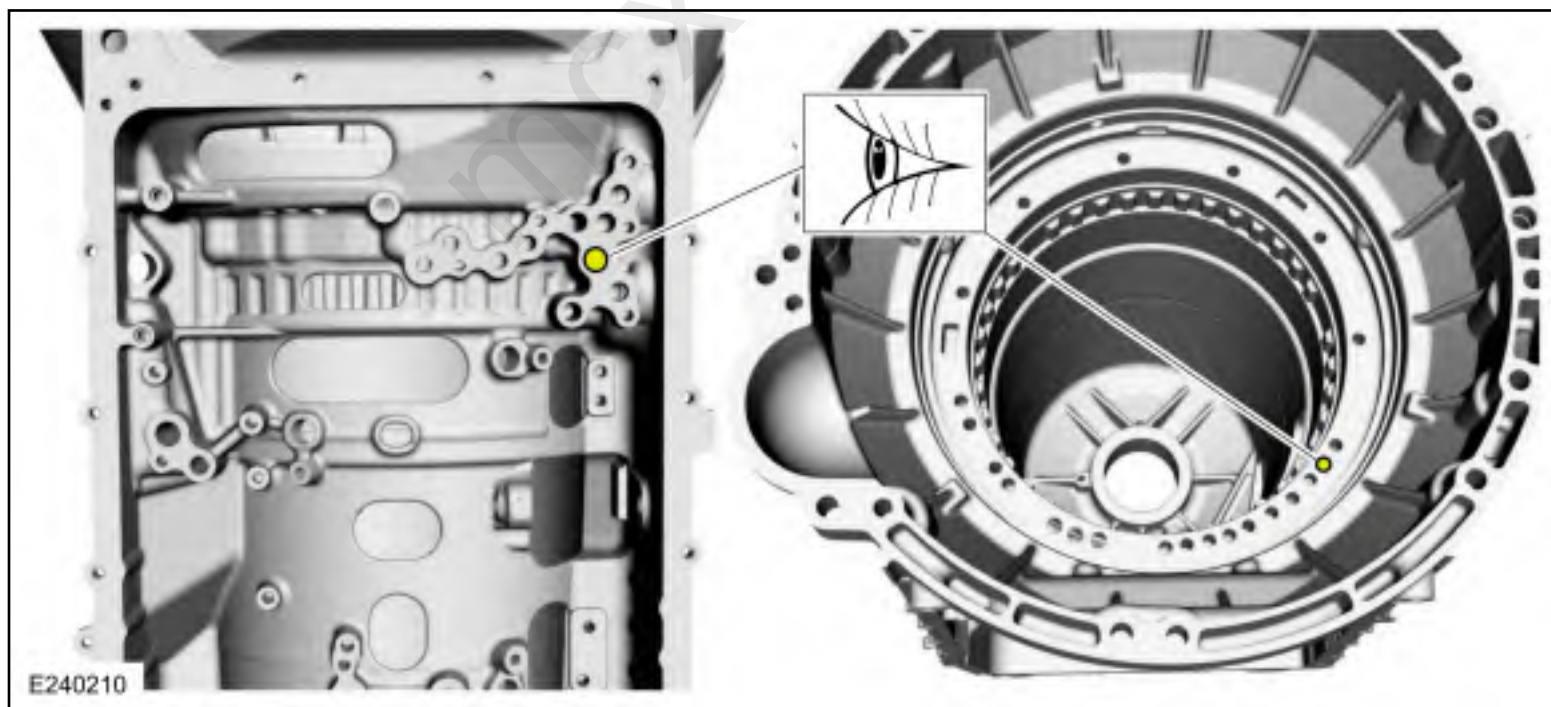
Item	Description
1	Line pressure
2	Pump output

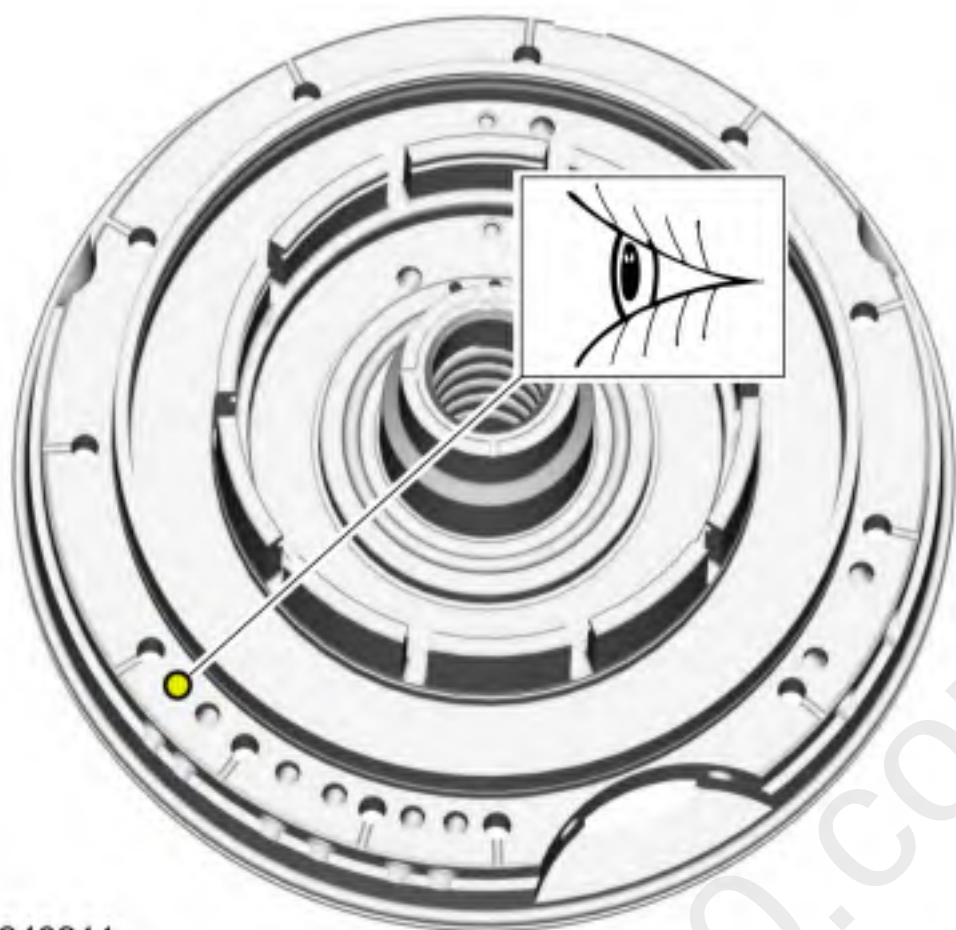
3	B clutch control valve
4	SSB
5	Control pressure to latch valve
6	B clutch latch valve
7	Apply pressure to mechanical B clutch
8	Mechanical B clutch
9	Elevated exhaust pressure
10	Clutch exhaust

B Clutch Hydraulic Operation

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

B Clutch Hydraulic Passages





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