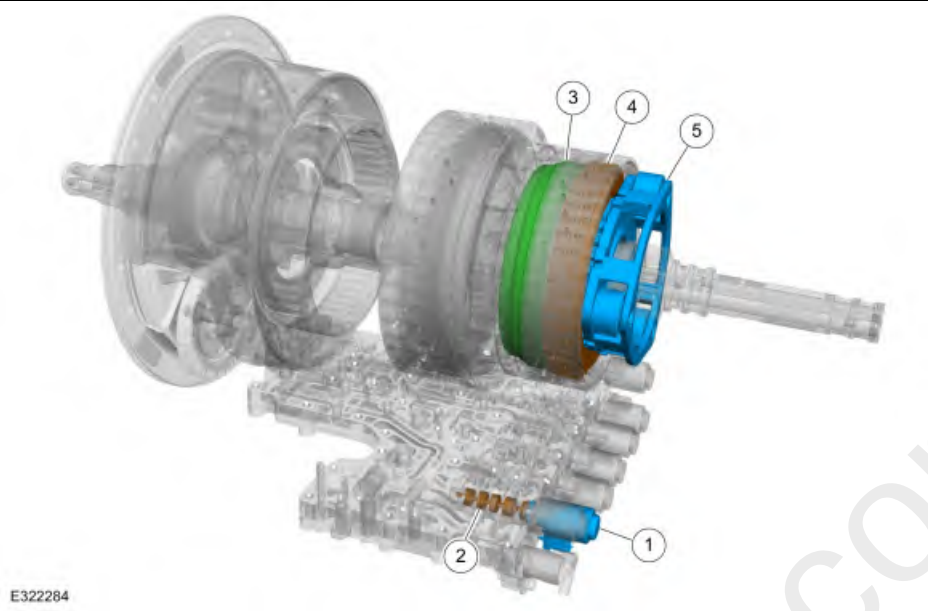


D Clutch

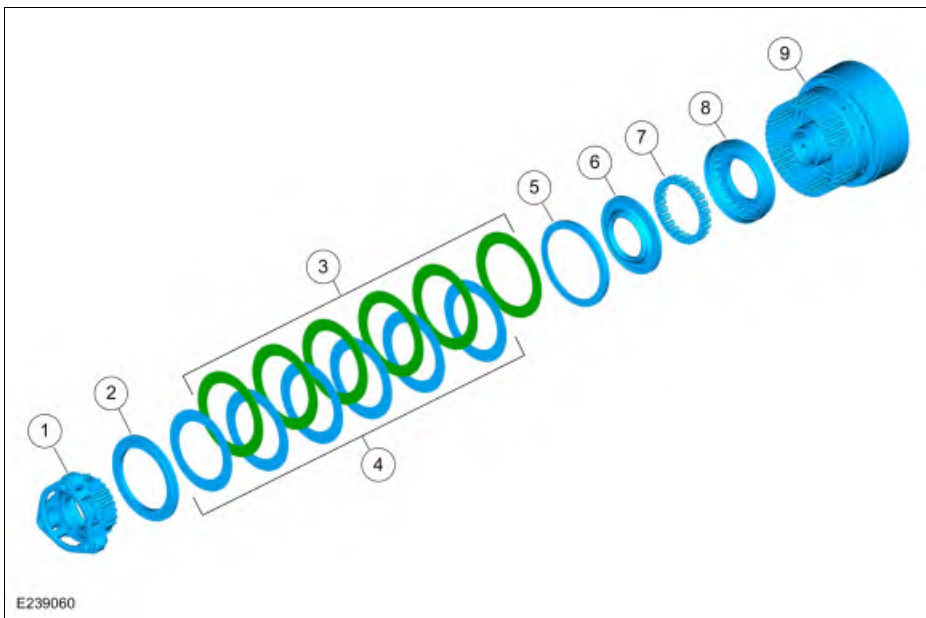
Overview



| Item | Description             |
|------|-------------------------|
| 1    | SSD                     |
| 2    | D clutch control valve  |
| 3    | D clutch piston         |
| 4    | D clutch assembly       |
| 5    | Planetary carrier No. 3 |

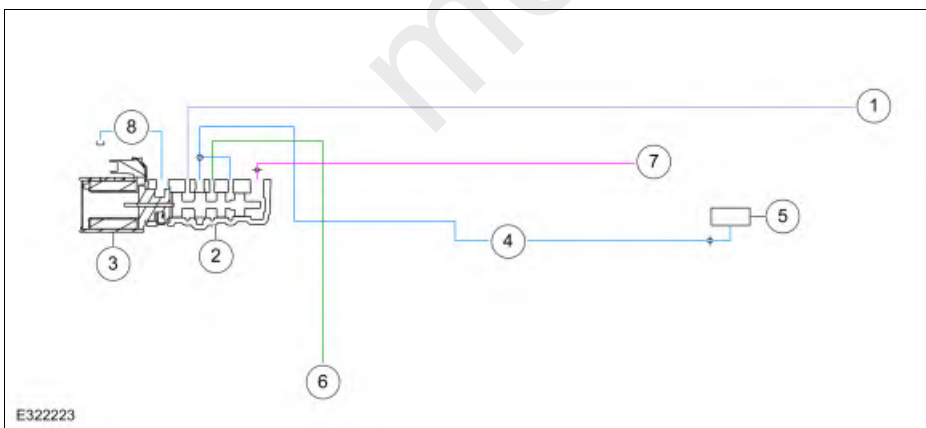
Planetary carrier No. 3 is located in the CDF clutch and planetary carrier assembly. Planetary carrier No. 3 is connected to the D clutch. When the D clutch applies, the planetary carrier No. 3 may be connected to ring gear No. 2.

D Clutch Exploded View



| Item | Description                   |
|------|-------------------------------|
| 1    | Planetary carrier No. 3       |
| 2    | D clutch pressure plate       |
| 3    | D clutch steel plates         |
| 4    | D clutch friction plates      |
| 5    | D clutch apply ring           |
| 6    | D clutch balance dam          |
| 7    | D clutch piston return spring |
| 8    | D clutch piston               |
| 9    | CDF clutch cylinder           |

### D Clutch Hydraulic Circuits



| Item | Description                                    |
|------|------------------------------------------------|
| 1    | Pump output                                    |
| 2    | D clutch control valve                         |
| 3    | SSD                                            |
| 4    | Clutch control pressure to mechanical D clutch |
| 5    | Mechanical D clutch                            |
| 6    | Control pressure exhaust                       |

|   |                           |
|---|---------------------------|
| 7 | Elevated exhaust pressure |
| 8 | Exhaust                   |

### D Clutch Hydraulic Operation

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

### D Clutch Hydraulic Passages

