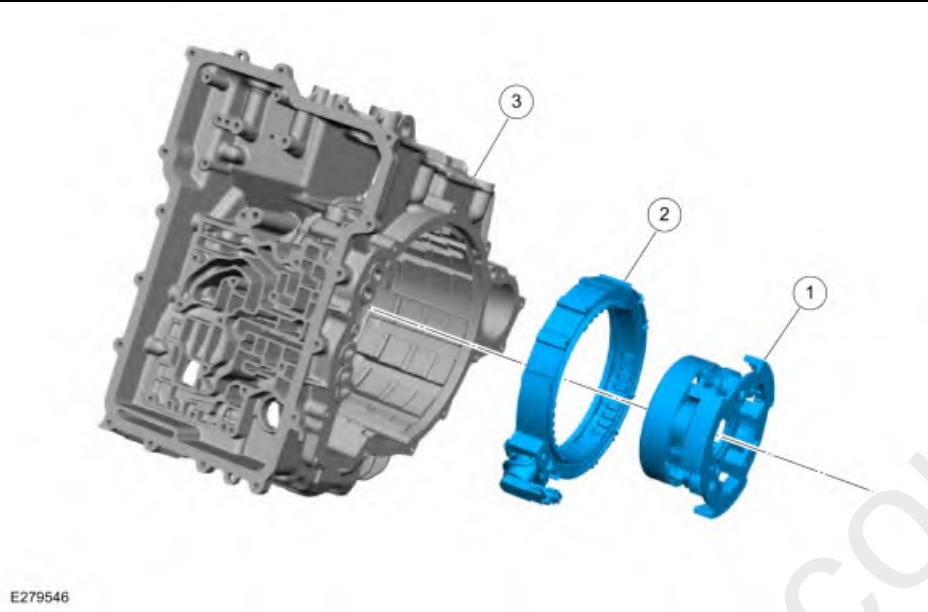

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Electronic Selectable One-Way Clutch Assembly

Authoring Template

Electronic Selectable One-Way Clutch Assembly

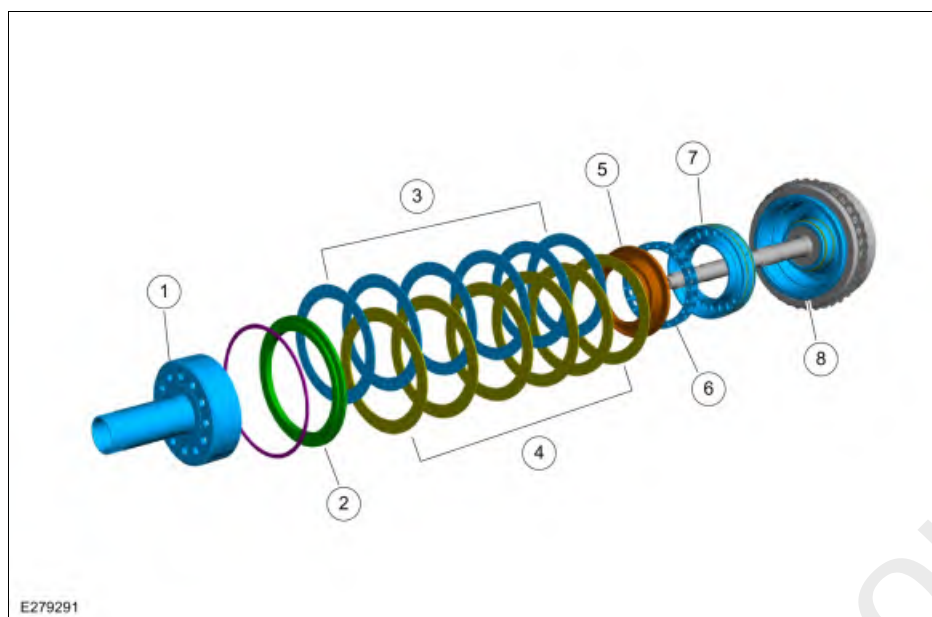


Item	Description
1	Reaction/overdrive planetary carrier
2	Electronic Selectable One-Way Clutch (SOWC) assembly
3	Transmission case

The Electronic Selectable One-Way Clutch (SOWC) contains a one-way clutch that is mechanical, prevents Input ring gear, Reaction carrier and Overdrive carrier from rotating backwards and a “Selectable” strut that is controlled by a solenoid, movement from the solenoid causes a strut to deploy, preventing the Input ring gear, Reaction carrier and Overdrive carrier from rotating forward when deployed. In 1A the OWC holds power on, providing 1st gear ratio. The Electronic Selectable One-Way Clutch (SOWC) assembly also contains the Intermediate shaft speed sensor, it measures the speed of the inner race of the Electronic Selectable One-Way Clutch (SOWC).

E Clutch

E Clutch Exploded View



Item	Description
1	Hub
2	Reaction plate
3	E (5, 6, 7, 8) clutch friction plate (6 required)
4	E (5, 6, 7, 8) clutch steel plate (6 required)
5	E (5, 6, 7, 8) clutch balance piston
6	E (5, 6, 7, 8) clutch balance piston return spring
7	E (5, 6, 7, 8) clutch piston
8	E (5, 6, 7, 8) clutch hub

E Clutch Hydraulic Circuits