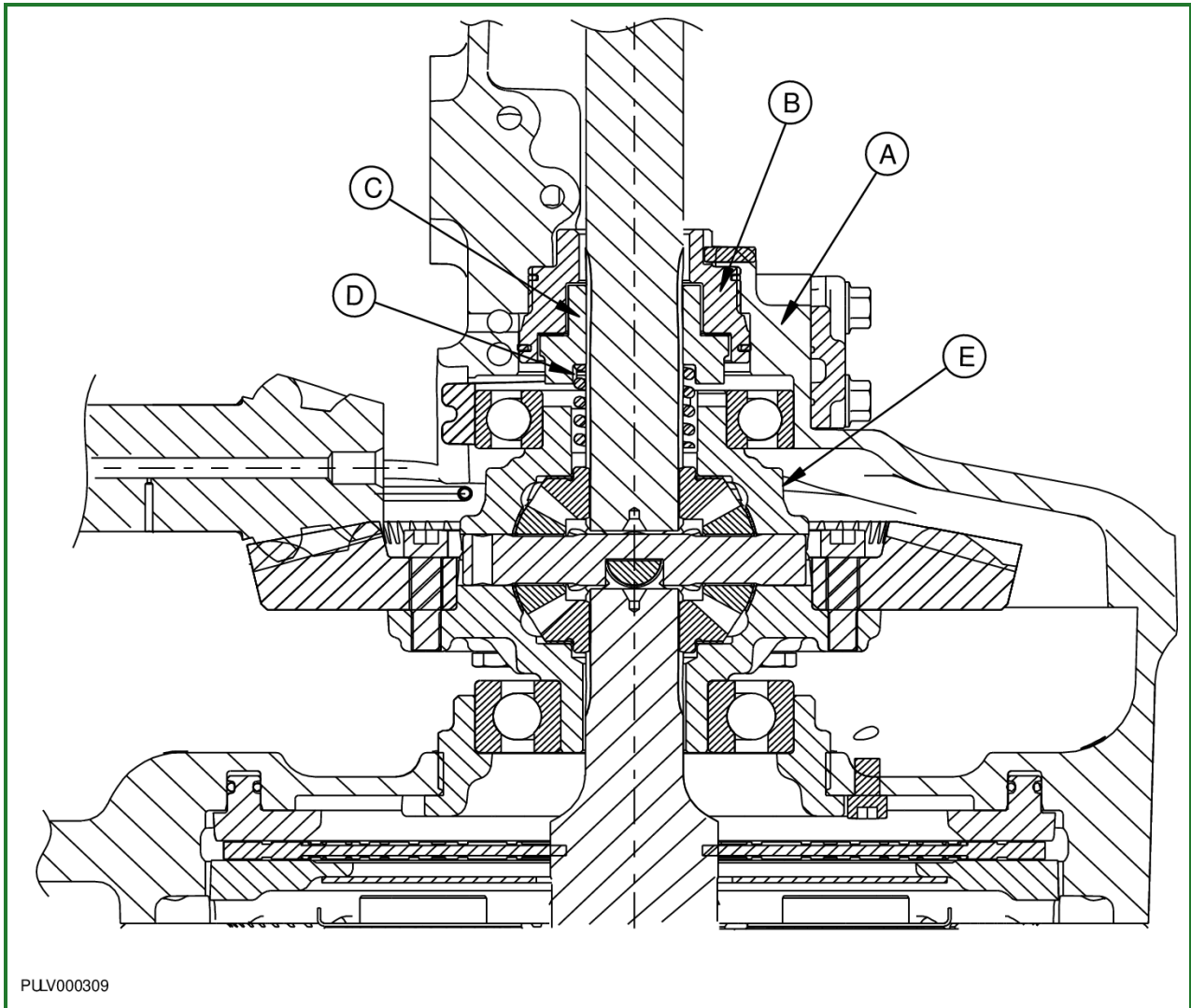


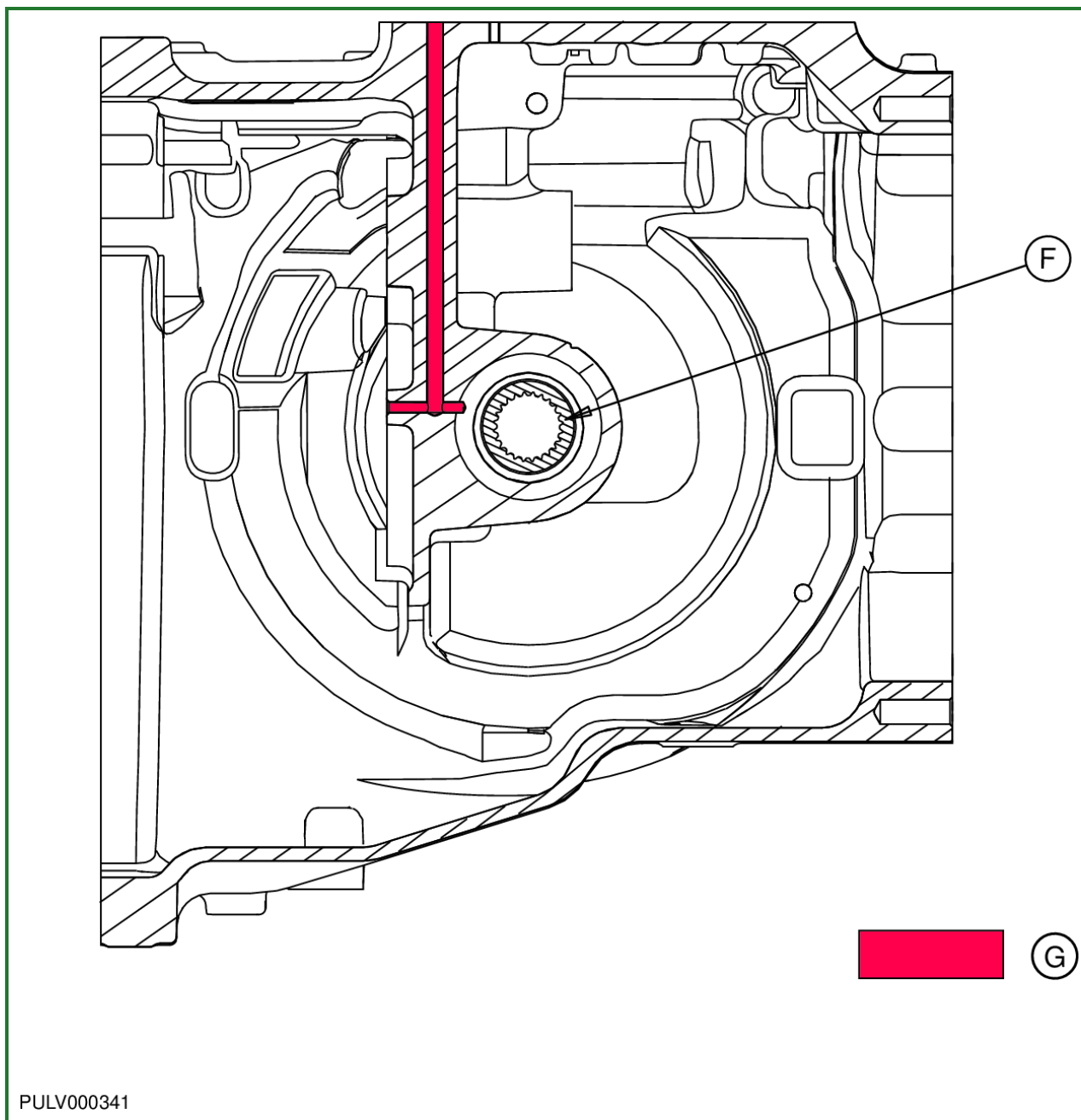
Differential - Operation of Differential Lock



PULV000309-UN: Differential lock disengaged

LEGEND:

- A - Differential housing
- B - Piston
- C - Collar
- D - Spring
- E - Differential assembly



PULV000341-UN: Pilot oil passage, differential lock

LEGEND:

F - Differential lock

G - Pilot oil passage

The differential lock is controlled electro-hydraulically. The differential lock is disengaged mechanically by spring force and engaged hydraulically.

Operation of control elements is also described in [Differential - Operation of Differential Lock Control Valve](#) and [Differential - Power Flows](#) in this Group.

With the differential lock disengaged, spring (D) prevents teeth of collar (C) from meshing with teeth of differential assembly (E).

With the differential lock engaged, pressure oil forces piston (B) to move collar (C). Collar teeth mesh with teeth of differential assembly (E).