

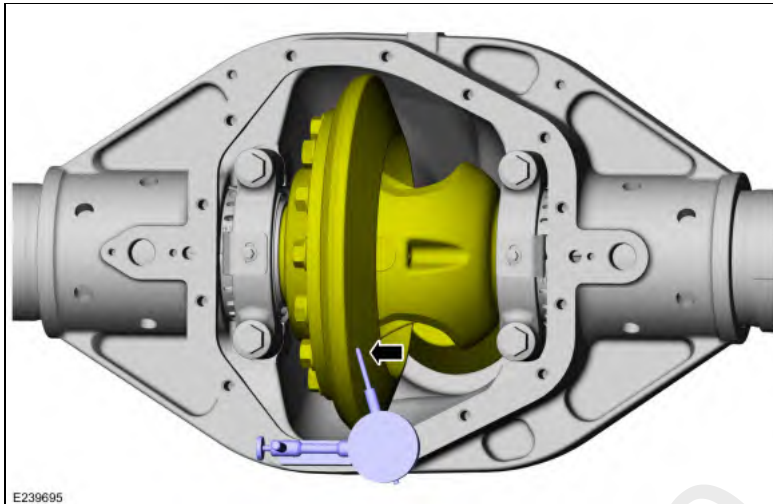
Ring Gear Backlash Adjustment

Special Tool(s) / General Equipment

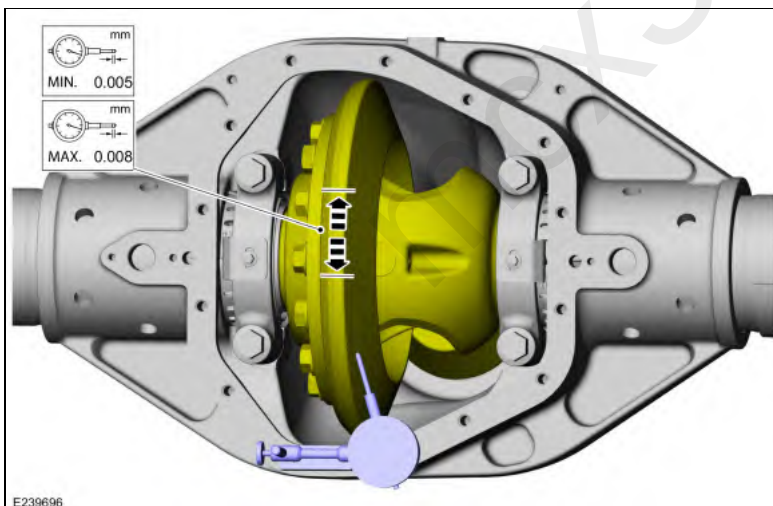
Dial Indicator

Adjustment

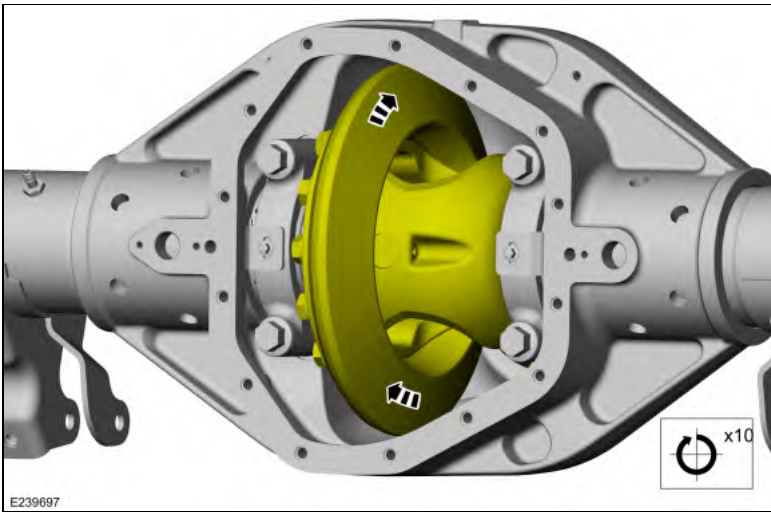
1. Remove the differential housing cover.
Refer to: Differential Housing Cover (205-02B Rear Drive Axle/Differential - Vehicles With: Dana M300, Removal and Installation).
2. Install the dial indicator gauge with holding fixture, with the dial indicator at around 90 degree angle from the ring gear tooth.
Use the General Equipment: Dial Indicator



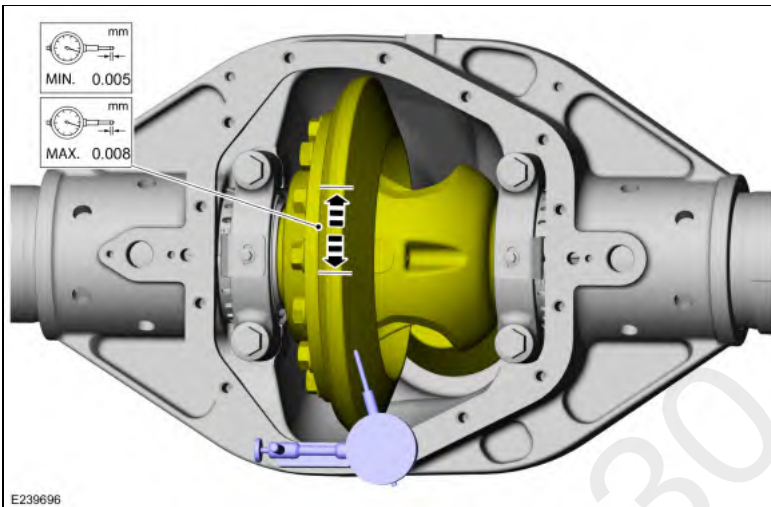
3. Using the dial indicator check the ring gear backlash. Rotate the ring gear and carrier back and forth through the free play only.
Refer to: Specifications (205-02B Rear Drive Axle/Differential - Vehicles With: Dana M300, Specifications).
Use the General Equipment: Dial Indicator



4. To correct for high or low backlash, adjust the differential bearing preload adjusters equal amount in the same direction.
5. If a backlash correction cannot be accomplished, follow the differential setup procedure.
Refer to: Differential Carrier (205-02B Rear Drive Axle/Differential - Vehicles With: Dana M300, Removal and Installation).
6. Rotate the differential several times, to assure the differential assembly rotates freely.



7. Using the dial indicator gauge with holding fixture, do a final check of the ring gear backlash.
Use the General Equipment: Dial Indicator



8. Verify an acceptable ring gear tooth pattern check.
Refer to: Rear Drive Axle and Differential (205-02B Rear Drive Axle/Differential - Vehicles With: Dana M300, Diagnosis and Testing).
9. Install the differential housing cover.
Refer to: Differential Housing Cover (205-02B Rear Drive Axle/Differential - Vehicles With: Dana M300, Removal and Installation).