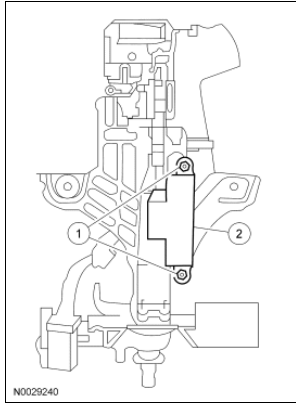


Remove the steering column. For additional information, refer to Steering Column in this section.

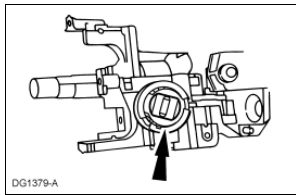
2. Remove the clockspring. For additional information, refer to Section 501-20B .

3. Remove the ignition switch.
 1. Remove the 2 screws.
 2. Remove the ignition switch.

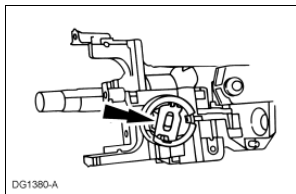


4. **⚠ CAUTION:** Note the position of the steering column lock gear, bearing and retainer prior to removal.

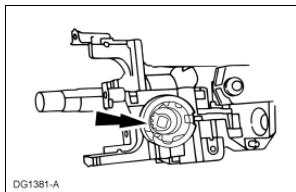
Remove the bearing retainer.



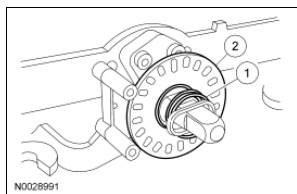
5. Remove the lock housing bearing.



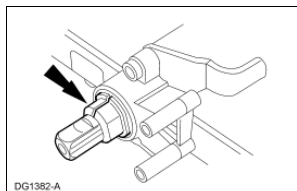
6. Remove the lock gear.



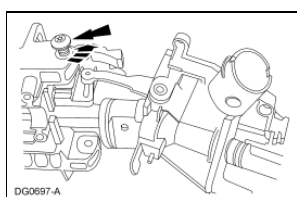
7. Remove the sensor ring.
 1. Remove the lower bearing spring.
 2. Remove the sensor ring.



8. Remove the lower bearing tolerance ring from the shaft.



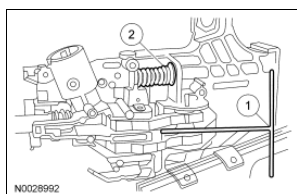
9. Remove the 2 tilt pivot screws.



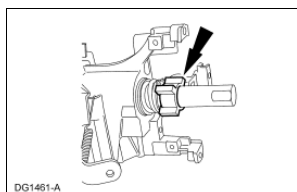
10. **⚠ WARNING: Steering column position spring is under tension and can come out with great force. Failure to follow these instructions may result in personal injury.**

Remove the lock cylinder housing and shaft assembly from the actuator housing.

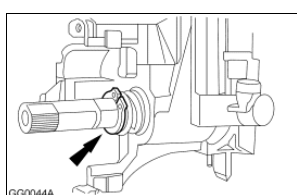
1. Pry up on the lock actuator lever (LH) using a shop fabricated tool.
2. Remove the position spring.



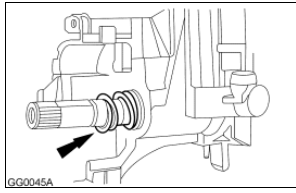
11. Remove the turn indicator cancel cam.



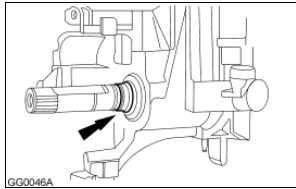
12. Remove the snap ring.



13. Remove the upper bearing spring.

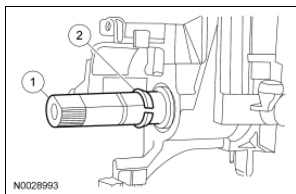


14. Remove the bearing sleeve.

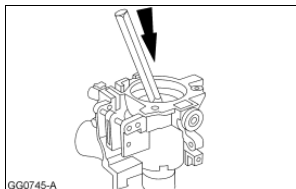


15. Remove the lower bearing tolerance ring.

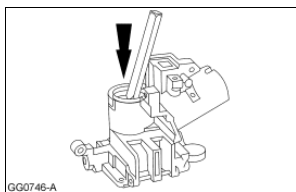
1. Slide the steering column shaft in toward the lock cylinder housing.
2. Slide the steering column bearing tolerance ring from the steering column shaft and remove the shaft.



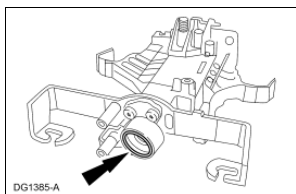
16. Using a punch, remove the lower bearing from the lock cylinder housing.



17. Use a punch to remove the bearing from the lock cylinder housing.



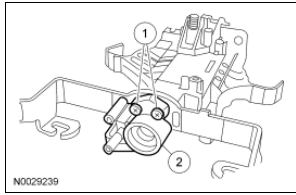
18. Remove the lower bearing and sleeve.



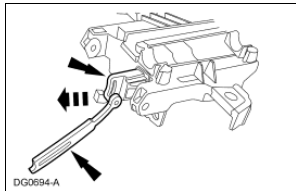
19. Remove the lower bearing retainer.

1. Remove the 3 bolts.

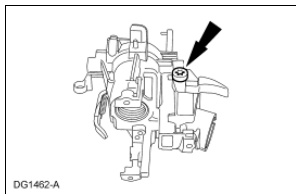
2. Remove the lower bearing retainer.



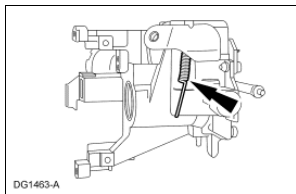
20. Remove the upper lock lever actuator and the lower lock lever actuator.



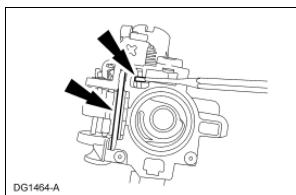
21. Remove the ignition lock cylinder lockout lever.



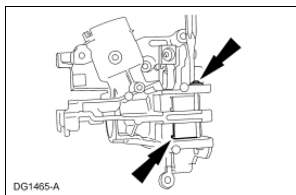
22. Remove the lock actuator lever return spring.



23. Using a punch, remove the pin and lock actuator lever.

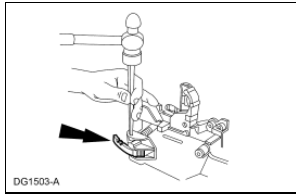


24. Using a punch, remove the pin and locking lever cam.



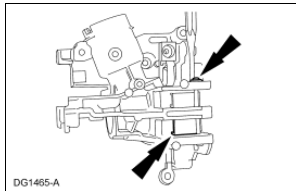
25. **NOTE:** Do not remove the tilt lock levers if not required.

Using a punch, remove the pin, tilt locking levers and springs.

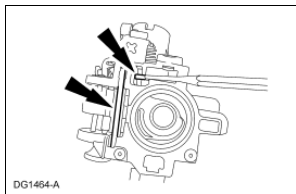


Assembly

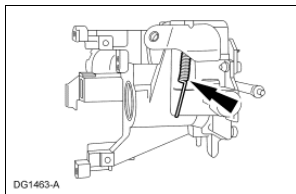
1. Install the locking lever cam and pin.



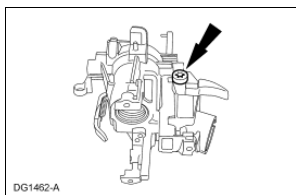
2. Install the lock actuator lever and pin.



3. Install the lock actuator lever return spring.



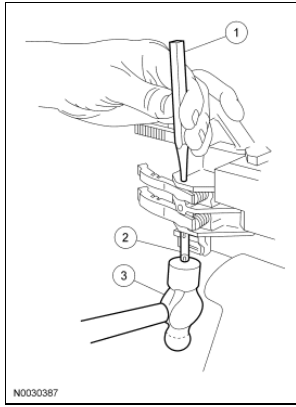
4. Install the ignition lock cylinder lockout lever.



5. **NOTE:** The lock lever with 2 teeth is installed on the left-hand side.

If necessary, install the springs and lock levers.

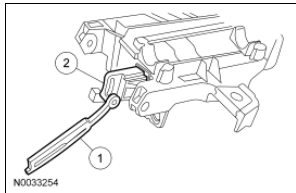
1. Install the spring and lever on the left-hand side. Use a pin punch to hold the compressed spring in position.
2. Install the spring and lever on the right-hand side. Use the pivot pin to hold the compressed spring in position.
3. Tap the pin through the levers, pushing out the pin punch, until flush with the housing.



6. **NOTE:** Lubricate the lock lever actuators with premium long-life grease.

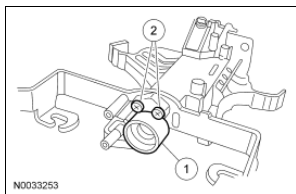
Install the lock lever actuators.

1. Install the lower lock lever actuator.
2. Install the upper lock lever actuator.



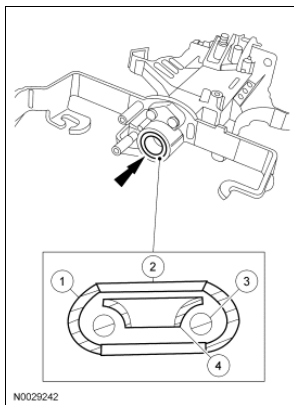
7. Install the lower bearing retainer.

1. Position the lower bearing retainer.
2. Install the 2 bolts and tighten to 9 Nm (80 lb-in).



8. **NOTE:** The UP position of the bearing must be facing forward.

Install the lower bearing and sleeve.



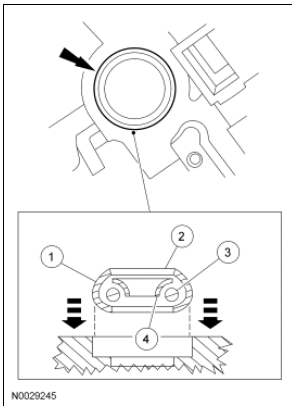
Item	Part Number	Description
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1	—	Outer race
2	3517	Bearing (in the UP position)
3	—	Ball
4	—	Inner race

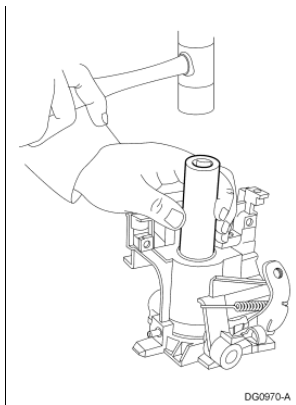
9. **⚠ CAUTION:** Install the steering column bearing so that the inner race is visible when installed.

NOTE: Use an appropriate bearing installer or socket.

Install the bearing in the lock cylinder housing.



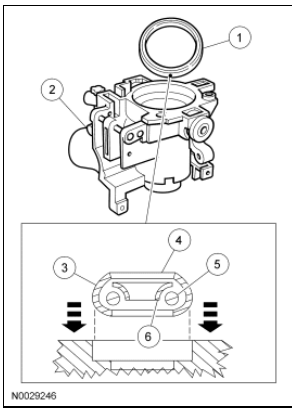
Item	Part Number	Description
1	—	Outer race
2	3517	Bearing (in the UP position)
3	—	Ball
4	—	Inner race



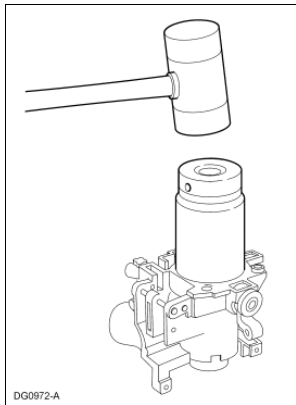
10. **⚠ CAUTION:** Install the steering column bearing so that the inner race is visible when installed.

NOTE: Use an appropriate bearing installer or socket.

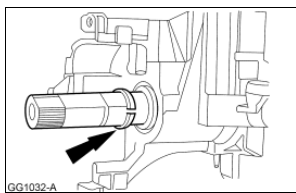
Install the bearing in the lock cylinder housing.



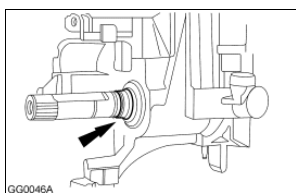
Item	Part Number	Description
1	—	Bearing slot
2	3511	Lock cylinder housing
3	—	Outer race
4	3517	Bearing (in the UP position)
5	—	Ball
6	—	Inner race



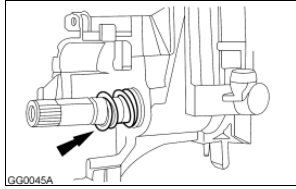
11. Position the shaft in the steering column lock cylinder housing.
- Install the bearing tolerance ring on the steering column shaft.



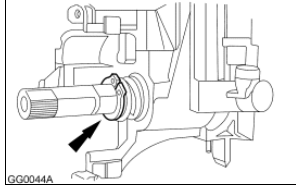
12. Install the bearing sleeve.



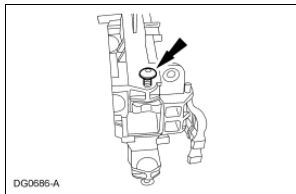
13. Install the upper bearing spring.



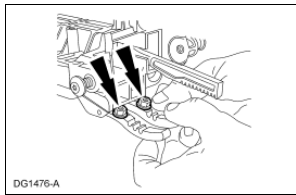
14. Install the snap ring.



15. Install the tilt pivot screws loosely and position the actuator housing in a vise.
• Lubricate the pivot screws with premium long-life grease.



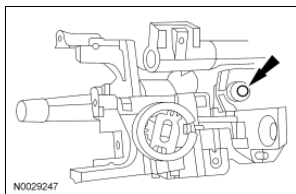
16. Place 2 nuts or spacers to hold the lock levers away from the actuator housing.



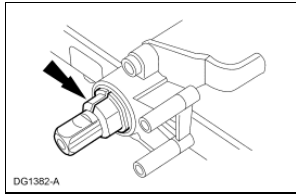
17. **NOTE:** Lubricate the lock cylinder housing pivot bushings with premium long-life grease.

Install the lock cylinder housing.

- Position the lock cylinder housing and the shaft assembly on the actuator housing.
- Make sure the upper and lower lock actuators are aligned.
- Install and compress the steering column position spring.
- Align the lock cylinder housing bushings with the pivot screws.
 - ◆ Tighten to 22 Nm (16 lb-ft).
- Using a long thin screwdriver, remove the nuts installed under the lock levers.

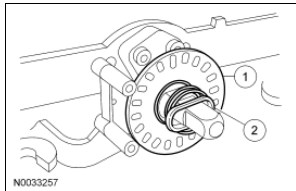


18. Install the bearing tolerance ring.



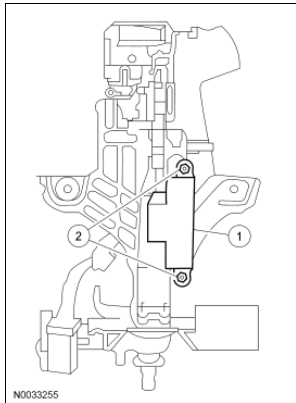
19. Install the sensor ring.

1. Install the sensor ring.
2. Install the lower bearing spring.



20. Install the ignition switch.

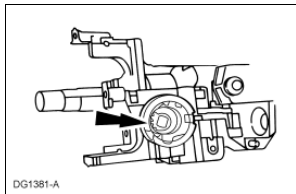
1. Align the ignition switch with the slot and index-mark on the actuator housing.
2. Install the 2 screws and tighten to 6 Nm (53 lb-in).



21. **NOTE:** The narrow section of the keyhole in the lock gear should be in the 1 o'clock position.

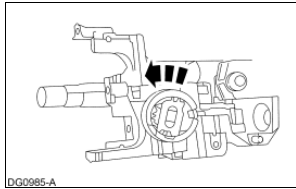
Install the lock gear.

- Use premium long-life grease to coat the lock gear.

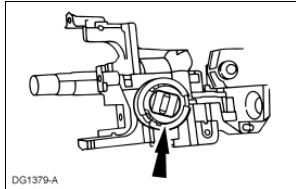


22. Install the lock housing bearing.

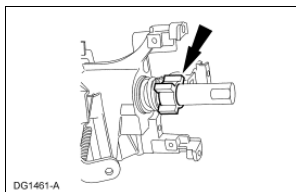
- The narrow section of the keyhole should be in the 1 o'clock position, with the tab inboard at the 3 o'clock position and rotate it counterclockwise.
- Lubricate the lock housing bearing with premium long-life grease.



23. Install the upper bearing retainer firmly to engage the 4 retention tabs into the lock housing.



24. Install the turn indicator cancel cam.



25. Install the clockspring. For additional information, refer to [Section 501-20B](#) .

26. **⚠ WARNING:** To reduce the risk of serious personal injury, read and follow all warnings, notes and instructions in the steering column removal and installation procedure.

Install the steering column. For additional information, refer to [Steering Column](#) in this section.
