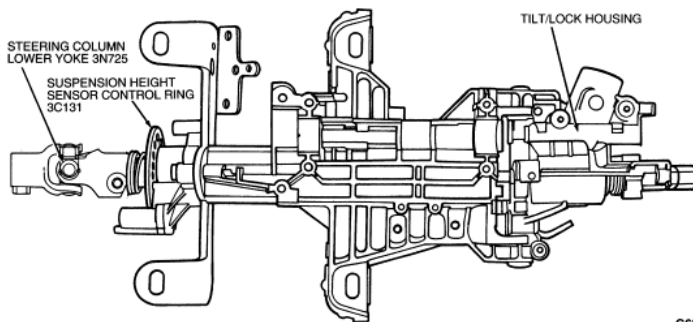


## Steering Column

### Disassembly

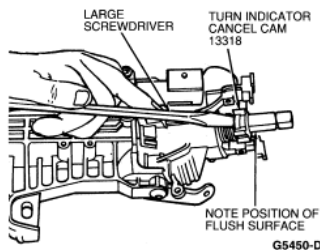
1. Disconnect battery ground cable (14301). Refer to [Section 14-01](#). Wait one minute for air bag diagnostic monitor (14B056) to deplete its stored energy.
2. Remove steering wheel (3600) as described.
3. Remove steering column from vehicle as described.
4. Remove steering column lower yoke (3N725), steering column upper bearing spring (3520), suspension height sensor control ring (3C131) and steering column bearing tolerance ring (3L539).

### Lower Steering Column Assembly



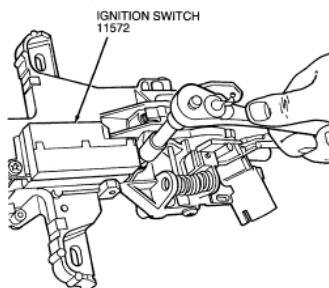
G6230-D

5. Remove turn indicator cancel cam (13318) by pushing up with flat-bladed screwdriver. Note direction of flush surface.



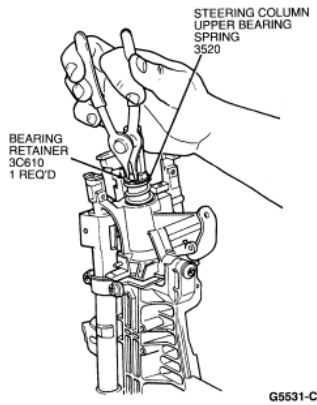
G5450-D

6. Remove two bolts retaining ignition switch (11572) and remove ignition switch assembly.



G5538-B

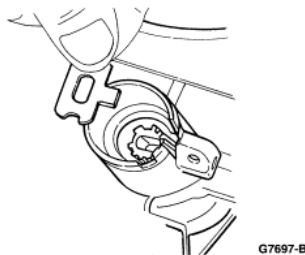
7. Remove bearing retainer (3C610) and steering column upper bearing spring.



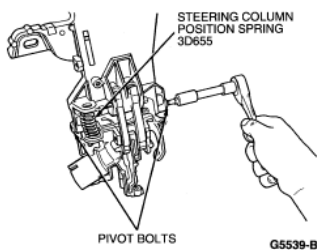
8. Remove steel steering column bearing tolerance ring and steering column bearing sleeve (3518).
9. Remove plastic bearing retainer from ignition switch lock cylinder bore. Replace if damaged.



10. Remove metal steering column lock housing bearing (3E700) from ignition switch lock cylinder bore.

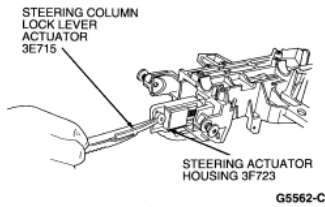


11. Remove steering column lock gear (3E717) from ignition switch lock cylinder bore.
12. Remove two tilt pivot bolts. Use caution as steering column position spring (3D655) will release when bolts are removed. Remove steering column lock cylinder housing (3511).

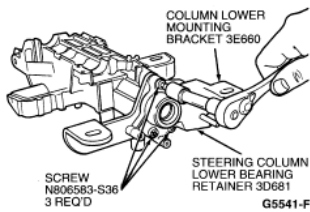


13. Remove steering gear input worm gear and rack (3524) from steering column.
14. For column shift cars, remove three screws securing shift lock actuator (3Z719) and transmission shift selector position insert (7A216). Remove transmission shift selector position insert and shift lock actuator.
15. Remove four screws securing transmission column shift selector tube (7212).
16. Remove pin retaining steering column lock pawl (3E691) from steering actuator housing (3F723) and remove steering column lock pawl.

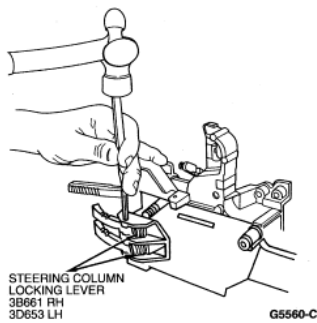
17. Remove steering column lock lever actuator (3E715) from steering actuator housing.



18. Remove three screws retaining steering column lower bearing retainer (3D681) and remove steering column bearing (3517) from steering column lower bearing retainer.
19. Remove steering column mounting bracket (3E660).

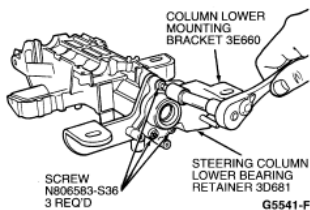


20. Remove steering column lock actuator lever pin using a drift. Remove steering column locking lever (3B661)(RH)/steering column lock left hand lever (3D653) and steering column locking lever springs (3B664).

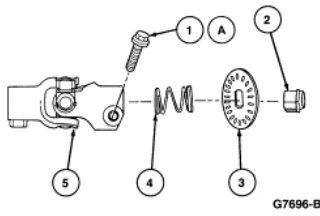


#### Assembly

1. Install steering gear input worm gear and rack into steering actuator housing.
2. Install lower steering column bearing and steering column mounting bracket. Tighten screws to 7-11 Nm (62-97 lb-in).

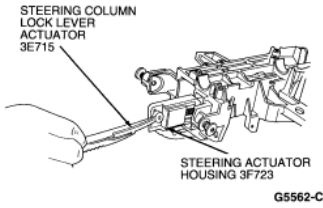


3. Install suspension height sensor control ring, steering column bearing tolerance ring, steering column upper bearing spring and steering column lower yoke to steering gear (3504). Tighten pinch bolt to 22-28 Nm (17-20 lb-ft).



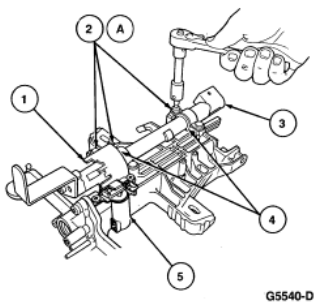
Item	Part Number	Description
1	N803942	Pinch Bolt
2	3L539	Steering Column Bearing Tolerance Ring
3	3C131	Suspension Height Sensor Control Ring
4	3520	Steering Column Upper Bearing Spring
5	3N725	Steering Column Lower Yoke
A	—	Tighten to 22-28 Nm (17-20 Lb-Ft)

- Attach upper steering column lock lever actuator to lower steering column lock lever actuator.



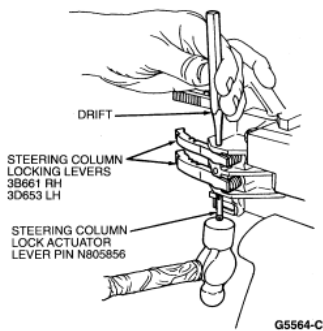
- Spray upper steering column lock lever actuator and lower steering column lock lever actuator with Multi-Purpose Grease Spray F5AZ-19G209-AA or equivalent meeting Ford specification ESR-M1C159-A.
- Position both steering column lock lever actuators into steering actuator housing.
- Position steering column lock pawl into steering actuator housing and install cam pivot pin with small hammer. Tap pin in until flush with steering actuator housing.
- On column-shift vehicles, install transmission column shift selector tube on top of steering actuator housing and secure with four screws.
- Install shift lock actuator and transmission shift selector position insert and secure with three screws.

**Column Shift**

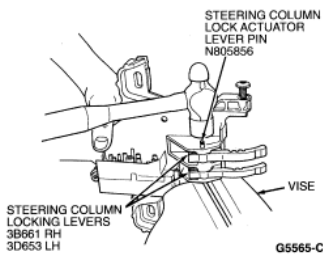


Item	Part Number	Description
1	7A216	Transmission Shift Selector Position Insert
2	N806584	Screws (6 Req'd)
3	7212	Transmission Column Shift Selector Tube
4	7335	Gearshift Lever Socket Bushing
5	3Z719	Shift Lock Actuator
A	—	Tighten to 7-11 Nm (62-97 Lb-In)

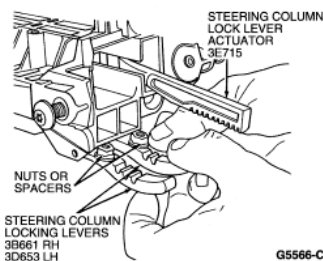
10. Install one steering column locking lever spring and steering column locking lever (RH) into steering actuator housing using a drift to hold in place.
11. Install the other steering column locking lever spring and steering column lock left hand lever with steering column lock actuator lever pin. Tap steering column lock actuator lever pin into place while driving out drift.



12. Support steering actuator housing in a vise and drive steering column lock actuator lever pin flush with steering actuator housing.

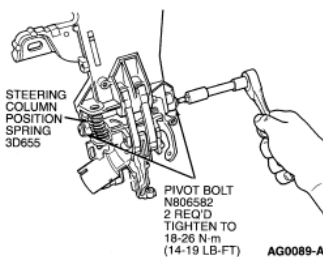


13. Place two nuts or spacers to hold steering column lock left hand lever and steering column locking lever (RH) away from steering actuator housing.

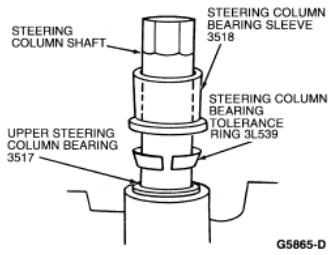


14. **NOTE: Lube pivot bolts with Multi-Purpose Grease DOAZ-19584-AA or equivalent meeting Ford specification ESB-M1C193-B before installing.**

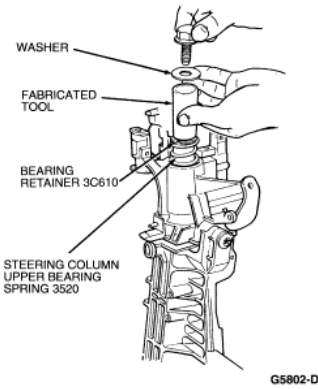
Position steering column position spring on steering column lock cylinder housing. With assistant, install steering column lock cylinder housing with two pivot bolts. Tighten to 18-26 Nm (14-19 lb-ft).



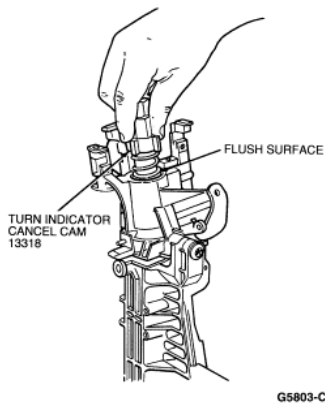
15. Install steel steering column bearing tolerance ring and steering column bearing sleeve over steering column.



16. Install steering column upper bearing spring and new bearing retainer on top side of steering column upper bearing spring using a 3/4-inch by 2-3/8 inch PVC pipe. Screw down bolt until bearing retainer snaps into groove.

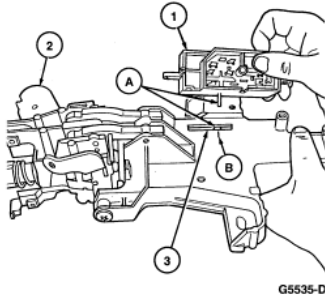


17. Install turn indicator cancel cam, flush surface up.

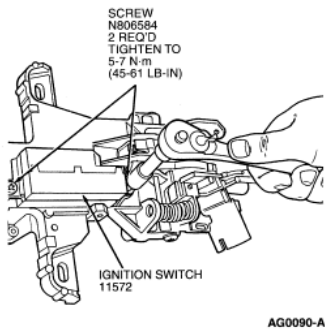


18. Push steering column lock lever actuator in toward base of column, release it back to the RUN position. Align pin on ignition switch with slot in steering column lock lever actuator. Secure ignition switch by tightening two retaining screws to 5-7 Nm (45-61 lb-in).

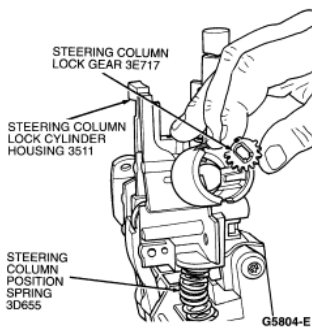
**Ignition Switch Installation**



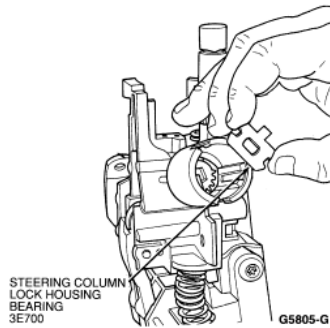
Item	Part Number	Description
1	11572	Ignition Switch
2	3F642	Lock Cylinder Housing Assembly
3	3E715	Steering Column Lock Lever Actuator
A	—	Align Pin with Slot
B	—	Index Mark



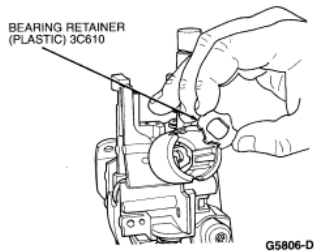
- 19. Install steering column lock gear. Coat steering column lock gear with Multi-Purpose Grease D0AZ-19584-AA or equivalent meeting Ford specification ESB-M1C93-B.



- 20. Install metal steering column lock housing bearing. Lubricate with Multi-Purpose Grease D0AZ-19584-AA or equivalent meeting Ford specification ESB-M1C93-B.



21. Install bearing retainer. Replace with new bearing retainer if marred during assembly.



22. On console-shift models, install shift lock actuator to steering actuator housing with two retaining screws.
23. Install steering column in vehicle as described.
24. On column-shift models, install gearshift lever as described. Lubricate bottom end of gearshift lever on all sides with Multi-Purpose Grease D0AZ-19584-AA meeting Ford specification ESB-M1C93-B.
25. Install air bag sliding contact (14A664) as described.
26. Install upper steering column shroud (3530) and lower steering column shroud fastened by three self-tapping screws.
27. Install instrument panel steering column cover (04459).
28. Install ignition switch lock cylinder (11582) as described.
29. Install steering wheel as described.
30. Connect battery ground cable and positive battery cable. Refer to [Section 14-01](#).
31. Verify air bag warning indicator.
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