

## STEERING COLUMN (TILT-WHEEL)

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## GENERAL INFORMATION

Safety goggles should be worn at all times when working on steering columns.

These steering columns have an impact absorbing design utilizing two telescoping tubes. The installation is essentially the same as the stan-

dard column, therefore only the disassembly and reassembly of the column will be detailed here.

For steering wheel removal or installation, see "Standard Columns" section for procedures.

## SERVICE PROCEDURES

## COLUMN

**Removal (See Standard Columns)  
Disassembly (Fig. 1)**

- (1) Remove four bolts attaching bracket assembly to column jacket.
- (2) Remove the wiring protector from column jacket.
- (3) Attach column holding fixture C-4132 to jacket.
- (4) Mount column in vise with holding fixture.
- (5) Remove tilt lever. Push hazard warning knob in and unscrew to remove. Remove ignition key lamp assembly (Fig. 2).
- (6) Pull the knob off the wash/wipe switch assembly.
- (7) Pull the hider up the stalk and remove two screws that attach the sleeve to the wash/wipe switch and remove the sleeve.
- (8) Rotate the shaft in the wiper switch to the full clockwise position and remove the shaft by

pulling straight out of wash/wipe switch.

(9) Carefully remove plastic cover from lock plate. Depress lock plate with Tool C-4156 and pry retaining ring out of groove with screwdriver (Fig. 3). The full load of the upper bearing spring should not be relieved as the retaining ring will turn easily making removal more difficult. Remove lock plate, canceling cam, and upper bearing spring.

(10) Remove switch actuator screw and arm.

(11) Remove three turn signal switch attaching screws, place shift bowl in low (1) position. Wrap a piece of tape around the connector and wires to prevent snagging when removing the switch (Fig. 4). Remove switch and wiring (Fig. 1).

(12) Remove key lamp.

(13) The lock cylinder may be removed in any position from "ACCESSORY" to "ON." However, the "LOCK" position is recommended because of its positive location.

## LEGEND FOR FIGURE 1

- |                                    |                                     |                                             |
|------------------------------------|-------------------------------------|---------------------------------------------|
| 1. Bearing Assy.                   | 26. Retainer                        | 51. Washer, Wave                            |
| 2. Lever, Shoe Release             | 27. Nut, Hex Jam                    | 52. Plate, Jacket Mounting                  |
| 3. Pin, Release Lever              | 29. Ring, Retainer                  | 53. Washer, Thrust                          |
| 4. Spring, Release Lever           | 30. Lock Plate                      | 54. Ring, Shift Tube Retaining              |
| 5. Spring, Shoe                    | 31. Cam Assy. Turn Sig. Cancelling  | 55. Screw, Oval Head Cross Recess           |
| 6. Pin, Pivot                      | 32. Spring, Upper Bearing           | 56. Gate, Shift Lever                       |
| 7. Pin, Dowel                      | 33. Screw, Binding Hd. Cross Recess | 57. Support, Strg. Column Housing           |
| 8. Shaft, Drive                    | 34. Protector, Wiring               | 58. Screw, Support                          |
| 9. Shoe, Steering Wheel Lock       | 35. Spring, Pin Preload             | 59. Pin, Dowel                              |
| 10. Shoe, Steering Wheel Lock      | 36. Switch Assy., Pivot &           | 60. Shaft Assy. Lower Steering              |
| 11. Bolt, Lock                     | 37. Pin, Switch Actuator Pivot      | 61. Sphere, Centering                       |
| 12. Bearing Assy.                  | 38. Cap, Column Housing Cover End   | 62. Spring, Joint Preload                   |
| 13. Shield, Tilt Lever Opening     | 39. Retainer, Spring                | 63. Shaft Assy. Race & Upper                |
| 14. Actuator, Dimmer Switch Rod    | 40. Spring, Wheel Tilt              | 64. Screw, Wash. Hd.                        |
| 15. Lock Cylinder Set, Strg Column | 41. Guide, Spring                   | 65. Stud, Dimmer & Ignition Switch Mounting |
| 16. Cover, Lock Housing            | 42. Spring, Lock Bolt               | 66. Switch Assy. Ignition                   |
| 17. Screw, Lock Retaining          | 43. Screw, Hex Washer Head          | 67. Rod, Dimmer Switch                      |
| 18. Clip, Buzzer Switch Retaining  | 44. Sector, Switch Actuator         | 68. Switch, Assy. Dimmer                    |
| 19. Switch, Assy. Buzzer           | 45. Housing, Steering Column        | 69. Jacket Assy. Steering Column            |
| 20. Screw, Pan Head Cross Recess   | 46. Spring, Rack Preload            | 70. Tube Assy. Shift                        |
| 21. Race, Inner                    | 47. Rack, Switch Actuator           | 71. Bearing Assy., Adapter &                |
| 22. Seat, Upper Bearing Inner Race | 48. Actuator Assy. Ignition Switch  | 73. Screw, Hex. Washer Head Tapping         |
| 23. Switch Assy. Turn Signal       | 49. Bowl, Gearshift Lever           | 74. Nut, Hex.                               |
| 24. Arm Assy. Signal Switch        | 50. Spring, Shift Lever             |                                             |
| 25. Screw, Round Washer Head       |                                     |                                             |