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□ Horn (13-06)

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« DESCRIPTION AND OPERATION »

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## **Horn Switch, Steering Wheel Mounted**

The horn blow switch (13A875) is underneath driver side air bag module (043B13) in the steering wheel (3600).

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## Horn Switch

### With Air Bag

#### Removal and Installation

1. **WARNING: ALWAYS WEAR SAFETY GLASSES WHEN SERVICING AN AIR BAG VEHICLE AND WHEN HANDLING AN AIR BAG.**

**WARNING: THE ELECTRICAL CIRCUIT NECESSARY FOR AIR BAG SYSTEM DEPLOYMENT IS POWERED DIRECTLY FROM THE BATTERY (10655) AND BACKUP POWER SUPPLY. TO AVOID ACCIDENTAL DEPLOYMENT AND POSSIBLE PERSONAL INJURY, THE BATTERY POSITIVE CABLE MUST BE DISCONNECTED FOR ONE MINUTE TO DE-ENERGIZE THE BACKUP POWER SUPPLY PRIOR TO SERVICING OR REPLACING ANY SYSTEM COMPONENTS.**

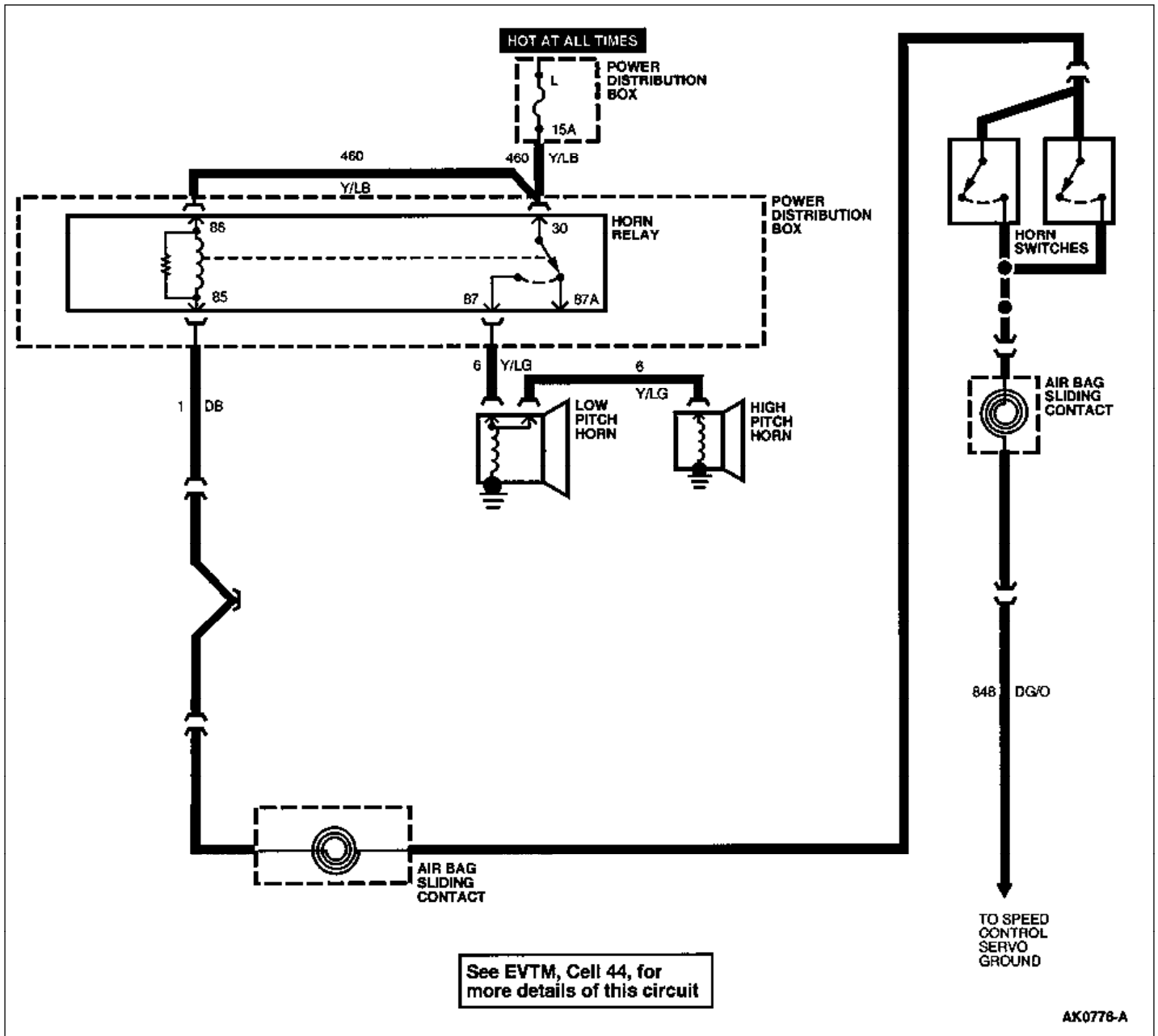
Center front wheels to the straight-ahead position.

2. Disconnect battery ground cable (14301), refer to «[Section 14-01](#)».
  3. Disconnect positive battery cable and wait one minute.
  4. Remove driver side air bag module (043B13). Refer to «[Section 01-20B](#)».
  5. Disconnect two ground wires (BK) from upper horn switch plates. Disconnect horn wire (P/O) at lower right horn switch plate. Remove four Torx® head retaining bolts and remove horn switch plates.
  6. To install, reverse Removal procedure. Tighten retaining bolts to 4-5 N-m (35-44 lb-in).
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## Electrical Schematics

### Horn System -- Town Car



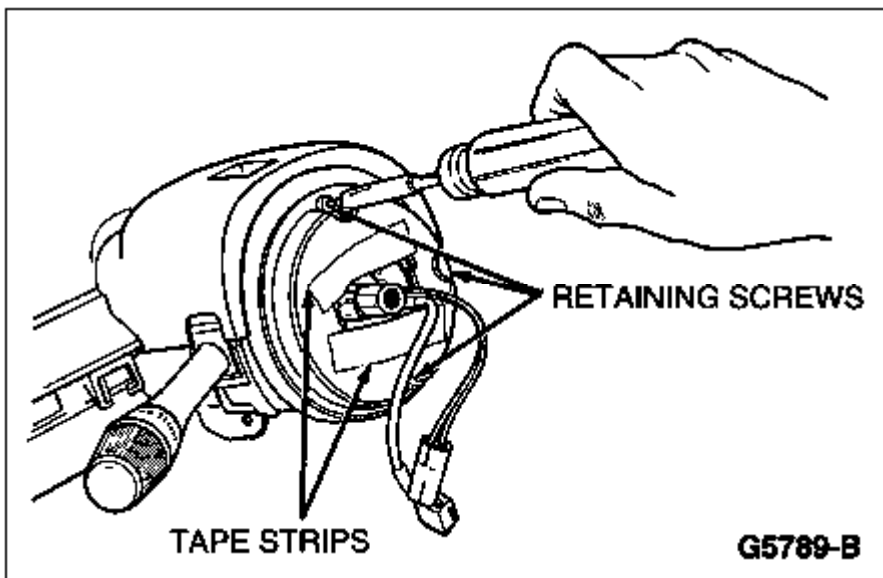
### Horn System -- Crown Victoria, Grand Marquis



## Sliding Contact, Air Bag

### Removal

1. Make sure that vehicle's front wheels are in the straight-ahead position and steering column shaft alignment mark is at the 12 o'clock position.
2. Disconnect battery ground cable (14301) to deplete air bag backup power supply. Refer to «[Section 14-01](#)».
3. Remove steering wheel (3600) as outlined.
4. Remove lower RH and LH mouldings from instrument panel (04320) by pulling up and snapping out of retainer.
5. Remove instrument panel steering column cover (04459) and lower steering column shroud (3530).
6. Disconnect air bag sliding contact wire harness.
7. Apply two strips of tape across air bag sliding contact stator and rotor to prevent accidental rotation.



8. Remove ignition switch lock cylinder (11582) and remove ignition key warning switch terminal and wire (11A128).
9. Detach main wiring mating connectors down steering column tube side.
10. Remove three air bag sliding contact retaining screws and pull air bag sliding contact (14A664) off steering column shaft assembly.

### Installation

1. Make sure that vehicle's front wheels are in the straight-ahead position and steering gear input worm gear and rack alignment mark is at the 12 o'clock position.
  2. Note: If a new air bag sliding contact is being installed, remove the plastic lock mechanism after air bag sliding contact is secured to steering column shaft assembly.  
  
Align air bag sliding contact to steering gear input worm gear and rack (3524) and mounting bosses and slide air bag sliding contact on to the steering column shaft assembly.
  3. Install three retaining screws. Tighten screws to 2-3 N-m (18-26 lb-in). Remove tape strips.
  4. Route air bag sliding contact wires down steering column and connect to wire harness.
  5. Install ignition key warning switch terminal and wire into steering column lock cylinder housing (3511).
  6. Connect main wiring connectors down steering column.
  7. Install lower steering column shroud and instrument panel steering column cover.
  8. Install ignition switch lock cylinder.
  9. Install steering wheel as outlined.
  10. Connect battery ground cable. Refer to [«Section 14-01»](#).
  11. Verify air bag warning indicator.
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« Group 11: STEERING SYSTEM »  
« Section 11-04: Steering Column »  
« REMOVAL AND INSTALLATION »

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## Steering Wheel With Air Bag

SPECIAL SERVICE TOOL(S) REQUIRED

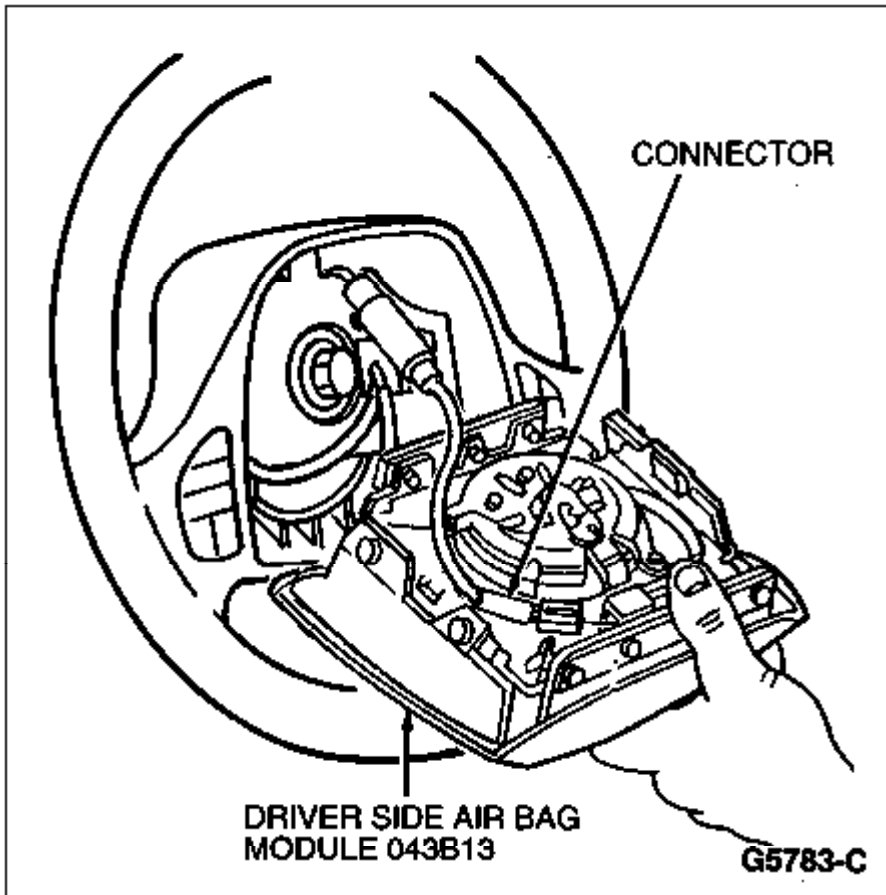
Description	Tool Number
Steering Wheel Puller	T67L-3600-A

### Removal

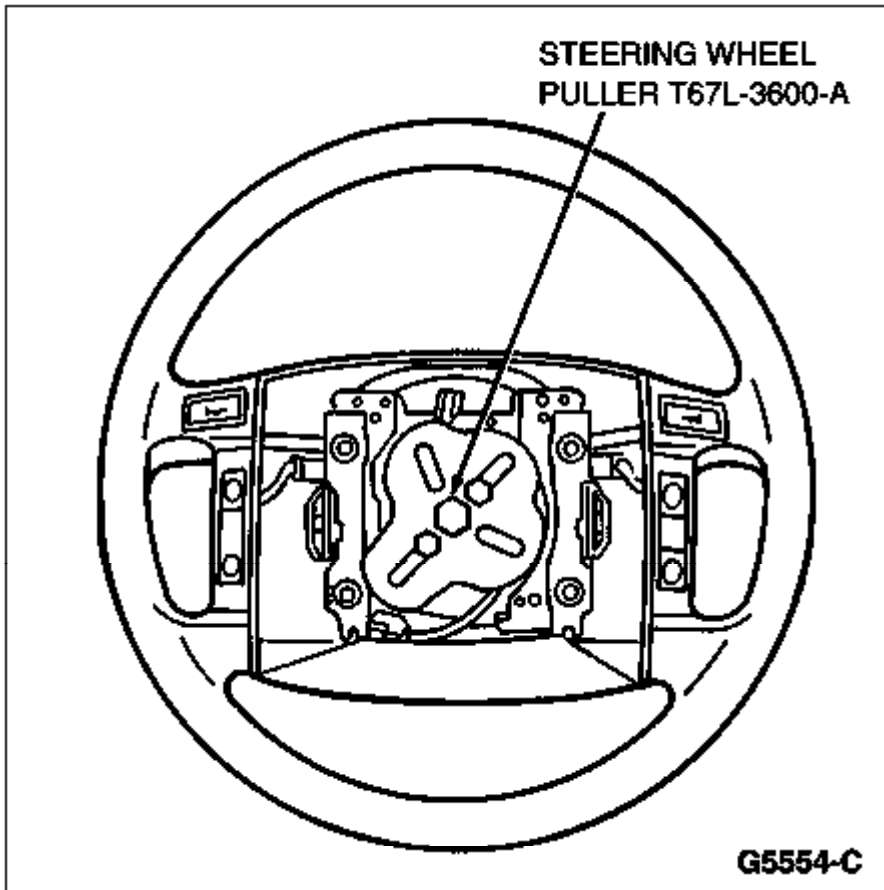
1. Center front wheels to the straight-ahead position.
2. **WARNING: THE BACKUP POWER SUPPLY MUST BE DISCONNECTED BEFORE ANY AIR BAG COMPONENT IS SERVICED. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY.**

Disconnect battery ground cable (14301). Refer to «[Section 14-01](#)».

3. Remove four air bag module retaining nuts and lift driver side air bag module (043B13) off steering wheel (3600).
4. Disconnect air bag wire harness from driver side air bag module, and remove module from steering wheel.



5. Disconnect speed control wire harness from steering wheel.
6. **CAUTION: Be sure contact assembly wire harness does not get caught on steering wheel assembly when lifting off shaft to prevent damage.**  
Remove and discard steering wheel retaining bolt.
7. Install Steering Wheel Puller T67L-3600-A and remove steering wheel. Route contact assembly wire harness through steering wheel as steering wheel is lifted off the steering column shaft assembly.



## Installation

1. Make sure that vehicle's front wheels are in the straight-ahead position.
2. **CAUTION: Be sure wiring does not get trapped between steering wheel and air bag sliding contact (14A664) or air bag monitor will detect a fault.**

Route contact assembly wire harness through steering wheel opening at the three o'clock position and position steering wheel on steering column shaft assembly. The steering wheel and steering column shaft assembly marks should be aligned. Make sure air bag contact wire is not pinched.

3. Install new steering wheel retaining bolt and tighten to 34-46 N-m (25-34 lb-ft).
  4. Connect speed control wire harness to steering wheel and snap connector into steering wheel clip.
  5. Connect air bag wire harness to air bag module and install module to steering wheel. Tighten module retaining nuts to 4-6 N-m (35-53 lb-in).
  6. Connect air bag backup power supply and battery ground cable. Verify air bag warning indicator.
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