

SECTION 5

Reference Information

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SECTION 5

Air Bag Interference

Engineering Drawings

Air Bag Interference

-  **WARNING:** Do not place objects or mount equipment in front of the air bag module cover or in front seat areas that may come in contact with a deploying air bag. Dash, tunnel or console-mounted equipment should be placed within the specified zone. Failure to follow these instructions may result in personal injury.
-  **WARNING:** Dash, tunnel or console-mounted equipment should not be placed outside the specified zone. Failure to follow these instructions may result in personal injury.
-  **WARNING:** Do not mount equipment by the side of the front seat to the door trim that would block deployment of the side air bag. Failure to follow these instructions may result in personal injury.
-  **WARNING:** Do not mount equipment by inside the roof line along the upper edge of the side windows from front to rear of the vehicle that would block deployment of the roll curtain air bag. Failure to follow these instructions may result in personal injury.

SECTION 5: REFERENCE INFORMATION

Driver/passenger air bags affect the way police equipment can be mounted in police vehicles. Any surfaces that could come into contact with an air bag during deployment must not damage the air bag or alter its deployment path. Sharp edges, corners or protrusions could damage the nylon air bag material and reduce the effectiveness of the air bag. Do not mount or place objects in the deployment path of an air bag. Air bags must be allowed to fully deploy without restriction. The deployment of air bags is not compatible with any configuration of police equipment mounting that places objects in the air bag deployment path. Equipment mounted or placed in the deployment area of an air bag will reduce the effectiveness of the air bag, damage the air bag and potentially damage or dislodge the equipment.


Some approximate dimensions for air bags, at full inflation are provided in Figures 1 through 5. These dimensions are somewhat flexible and represent free-form deployments without the loading of occupants. The shaded areas in Figures 6 through 8 represent available police equipment mounting zones. These zones are shown for police vehicles equipped with bucket seats. The zone dimensions provided in Figures 6 through 8 are approximate and will vary with the loading of occupants in the seats.


Air bag and equipment mounting zone dimensions are approximate due to different air bag deployment characteristics.

Mount no equipment between the side of the front seat and the door trim that would block deployment of the side air bag.

Mount no equipment inside the upper edge of the roof line or along side windows trim panels from front to rear of vehicle that would block deployment of the roll curtain air bag.

SECTION 5: REFERENCE INFORMATION

 **WARNING:** Do not attempt to service, repair, or modify the airbag, its fuses or the seat cover on a seat containing an airbag. Contact your authorized dealer as soon as possible.

 **WARNING:** If the side airbag has deployed, the airbag will not function again. The side airbag system (including the seat) must be inspected and serviced by an authorized dealer. If the airbag is not replaced, the unrepaired area will increase the risk of injury in a collision.

The side airbags will deploy on the side affected by the collision during significant lateral collisions. The airbags will inflate within a few thousandths of a second and deflate on contact with the occupants, thus providing protection for the chest and shoulder areas. During minor lateral collisions, roll-overs, front collisions and rear collisions, the side airbags will not deploy.


Note: The passenger sensing system will deactivate the passenger seat-mounted side airbag if it detects an empty, unbuckled passenger seat.




The system consists of the following:


- A label or embossed side panel indicating that side airbags are fitted to your vehicle.
- Side airbags located inside the seatback of the driver and front passenger seatbacks.
- The same warning light, electronic control and diagnostic unit as used for the front airbags.
- Crash sensors located within the vehicle.


CURTAIN AIRBAGS


 **WARNING:** Do not place objects or mount equipment on or near the headliner at the siderail that may come into contact with a deploying curtain airbag. Failure to follow these instructions may increase the risk of personal injury in the event of a collision.


SECTION 5: REFERENCE INFORMATION

 **WARNING:** Do not lean your head on the door. The curtain airbag could injure you as it deploys from the headliner.

 **WARNING:** Do not attempt to service, repair, or modify the curtain airbags, its fuses, the A, B, or C pillar trim, or the headliner on a vehicle containing curtain airbags. Contact your authorized dealer as soon as possible.

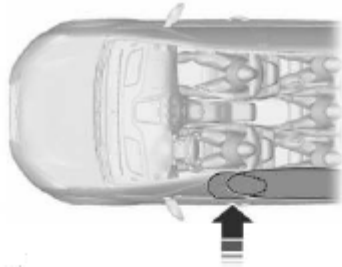
 **WARNING:** All occupants of the vehicle including the driver should always wear their safety belts even when an airbag SRS and curtain airbag is provided.

 **WARNING:** To reduce risk of injury, do not obstruct or place objects in the deployment path of the curtain airbag.

 **WARNING:** If the side air curtain has deployed, **the air curtain will not function again. The side air curtain system (including the A, B and C pillar trim and headliner) must be inspected and serviced by an authorized dealer.** If the curtain airbag is not replaced, the unrepaired area will increase the risk of injury in a collision.

The curtain airbags will deploy during significant lateral collisions or when the likelihood of a rollover event is detected by the rollover sensor. The airbag will inflate within a few thousandths of a second and deflate within a brief period, thus providing protection for the head. During minor lateral collisions, front collisions or rear collisions the curtain airbags will not deploy.

SECTION 5: REFERENCE INFORMATION



The system consists of the following:

- Curtain airbags fitted above the trim panels over the front and rear side windows.
- A flexible headliner which opens above the side doors to allow air curtain deployment.


- The same warning light, electronic control and diagnostic unit as used for the front airbags.
- Crash, rollover and pressure sensors located within the vehicle.


Airbags and police equipment

Dual driver/passenger airbags, side airbags and knee airbags affect the way police equipment can be mounted in police vehicles.

Any surfaces that could come into contact with an airbag, once it has deployed, must not damage the airbag or alter its deployment path.

Once the airbag has fully deployed, any peripheral equipment surfaces that could come into contact with the airbag (such as when the airbag deflates with the loading of an occupant) must not damage the airbag or alter its deployment path. Sharp edges, corners or protrusions could damage the nylon airbag material and reduce the effectiveness of the airbag.

 **WARNING:** Do not place objects or mount equipment in front of the airbag module cover or in front of the seat areas that may come in contact with a deploying airbag. Failure to follow this instruction could result in personal injury.

 **WARNING:** Dash, tunnel or console-mounted equipment should not be placed outside of the specified zone. Failure to follow this instruction could result in personal injury.

SECTION 5: REFERENCE INFORMATION



WARNING: Do not mount equipment between the side of front seat to the door trim to block deployment of the side airbag. Failure to follow this instruction could result in personal injury.

Some approximate dimensions for airbags, at full inflation, are provided in Figures 1 through 5. These dimensions are somewhat flexible and represent "free form" deployments without the loading of occupants. The shaded areas in Figures 6 through 8 represent available police equipment mounting zones. These zones are shown for police vehicles equipped with standard bucket seats. The zone dimensions provided in Figures 6 through 8 are approximate and will vary with the loading of occupants in the seats.

All airbag and equipment mounting zone dimensions are approximate due to different airbag deployment characteristics.

No equipment will mount between the side of the front seat and the door trim to block deployment of the side airbag.

SECTION 5: REFERENCE INFORMATION

Sedan Police Interceptor

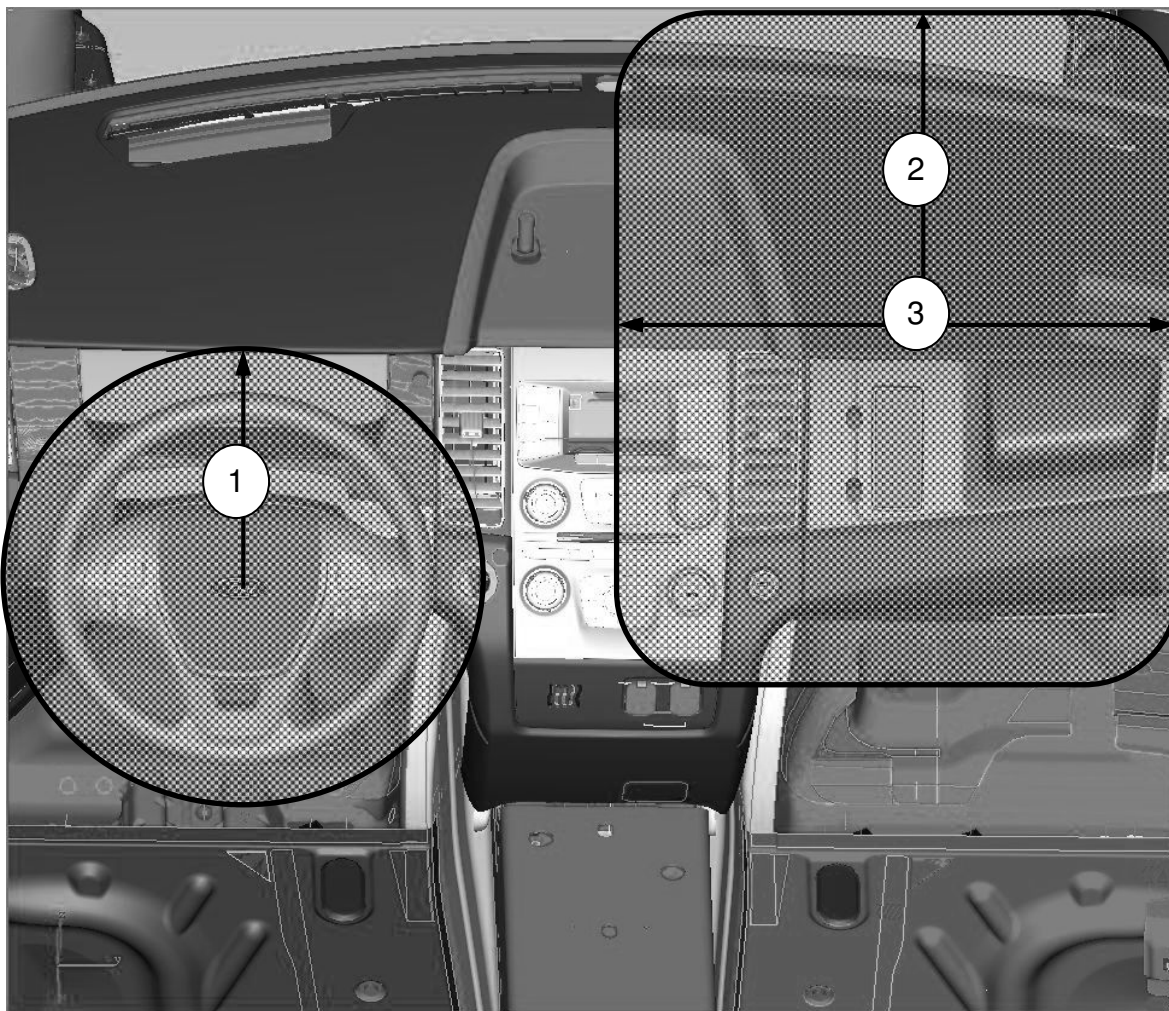
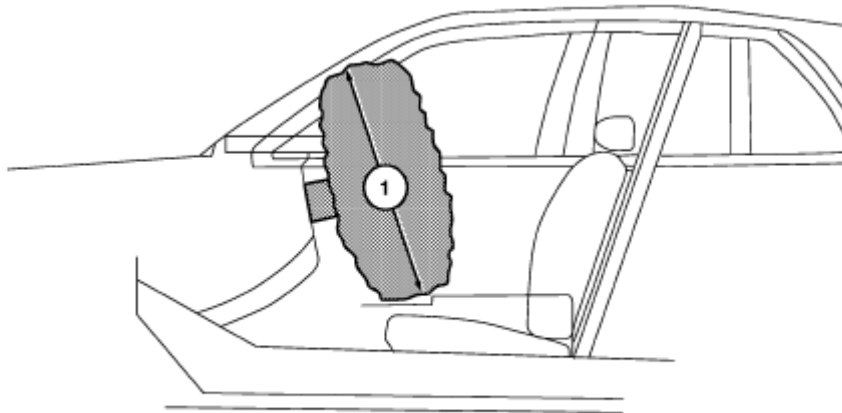


Figure 1

- (1) 330 mm (13 inches) from center of emblem
- (2) 335 mm (13.2 inches) from center of air bag door
- (3) 750 mm (29.5 inches)

SECTION 5: REFERENCE INFORMATION

Sedan Police Interceptor



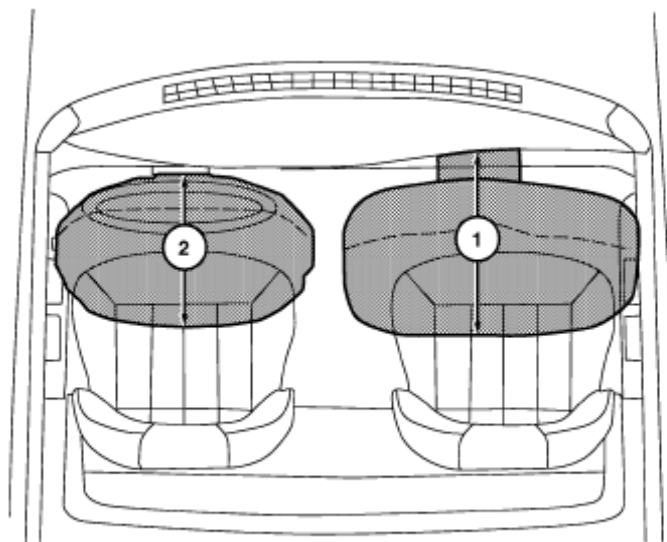
A0080796

Figure 2.

Figure 2
(1) 760 mm (29,9 inches) (passenger side shown)

SECTION 5: REFERENCE INFORMATION

Sedan Police Interceptor



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Figure 3.

Figure 3

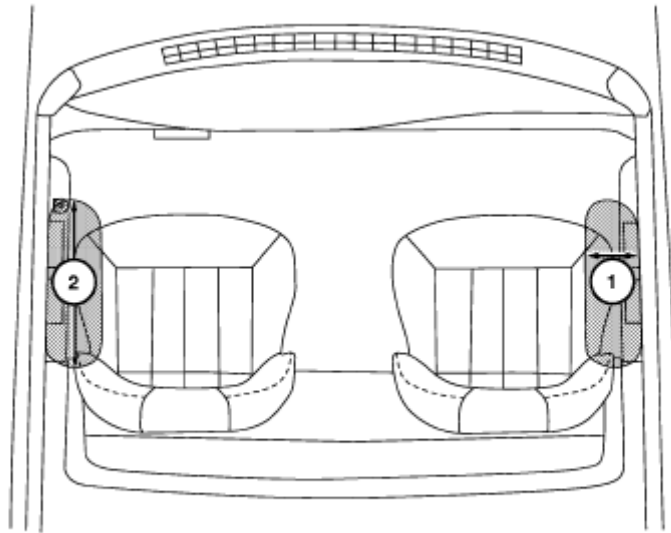
No objects should be placed between the driver side steering wheel air bag and the passenger side dash air bag.

(1) 700 mm (27.5 inches) front passenger air bag

(2) 430 mm (17 inches) front driver

SECTION 5: REFERENCE INFORMATION

Sedan Police Interceptor



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Figure 4.

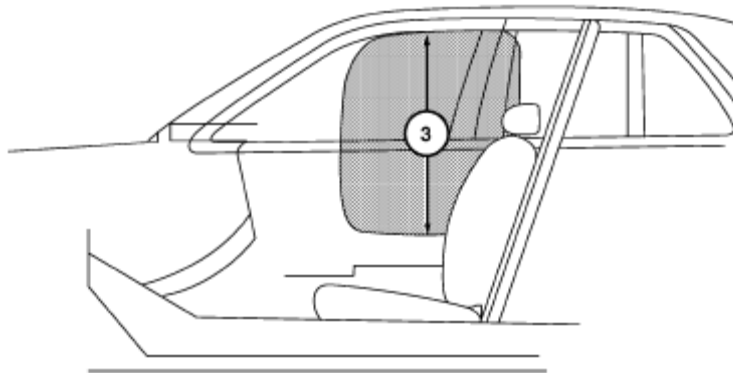
Figure 4

(1) 152 mm (6 inches) from outboard side of seat

(2) 356 mm (14 inches) forward of seat back

SECTION 5: REFERENCE INFORMATION

Sedan Police Interceptor



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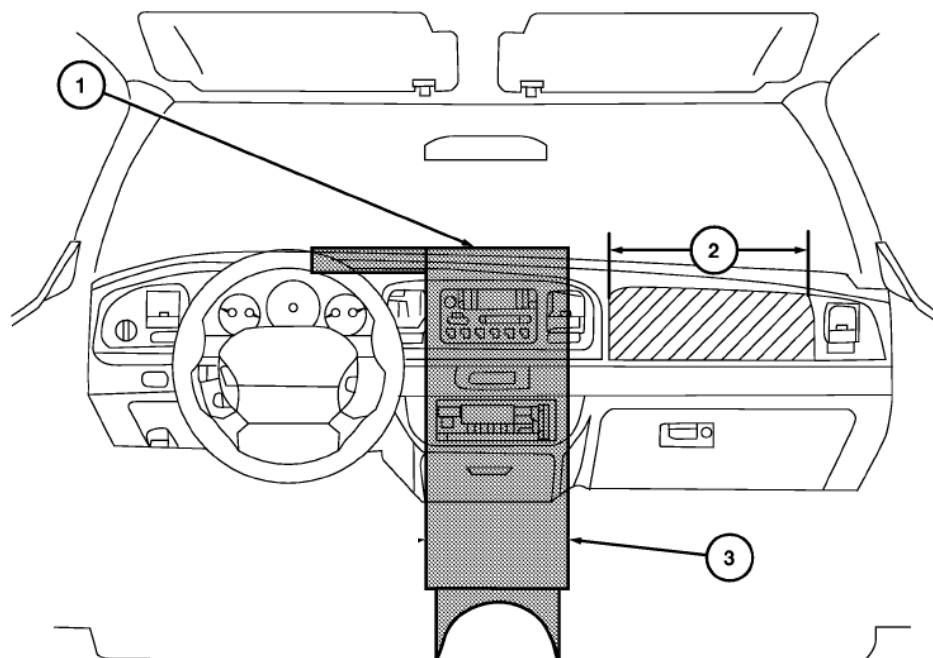
Figure 5.

Figure 5

(3) 406 mm (16 inches) up from side air bag module

SECTION 5: REFERENCE INFORMATION

Sedan Police Interceptor



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Figure 6.

Note: Figures 6 through 8 represent available police equipment mounting zones.

- (1) Area on top of instrument panel. **Equipment must not interfere with driver visibility.**
- (2) The air bag door must be kept clear for deployment of air bag.
- (3) Area in front of electronic finish panel from bottom to top of instrument panel.

SECTION 5: REFERENCE INFORMATION



Figure 6

1. Area on top of instrument panel. Equipment must not interfere with driver visibility.

2. The airbag door must be kept clear for deployment of airbag

3. Area in front of center console from bottom of ashtray to top of instrument panel (see Figure 2 for dimensions)

4. 11 inches (279 mm) width horizontally centered on ashtray door.

SECTION 5: REFERENCE INFORMATION

Sedan Police Interceptor

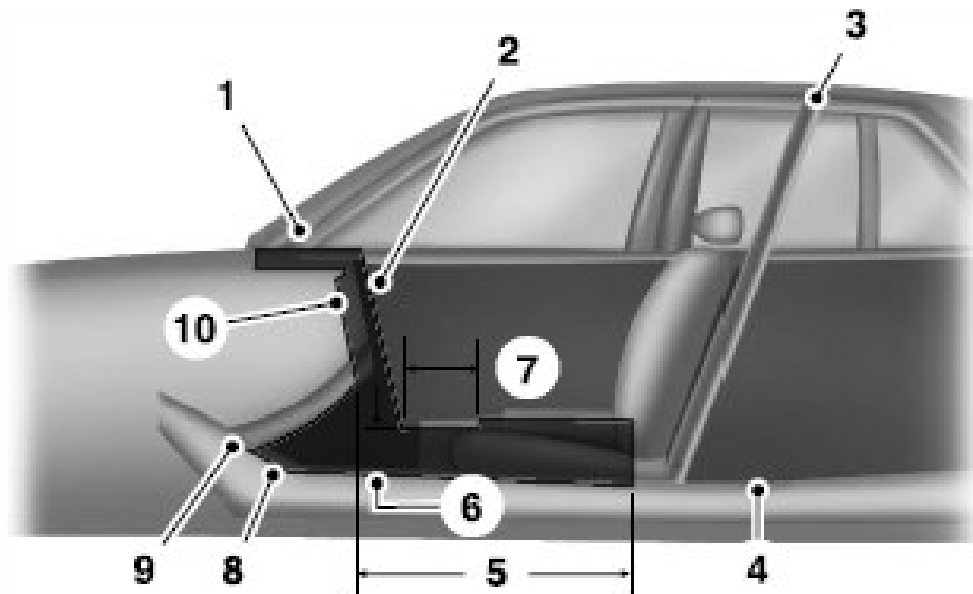


Figure 7

1. Area on top of instrument panel

2. Area in front of center console from tunnel up to instrument panel

3. Prisoner screen

4. 10 inches (254 mm)

5. Area on tunnel between seats

6. Height: 8.5 inches (216 mm)

7. 12 inches (305 mm)

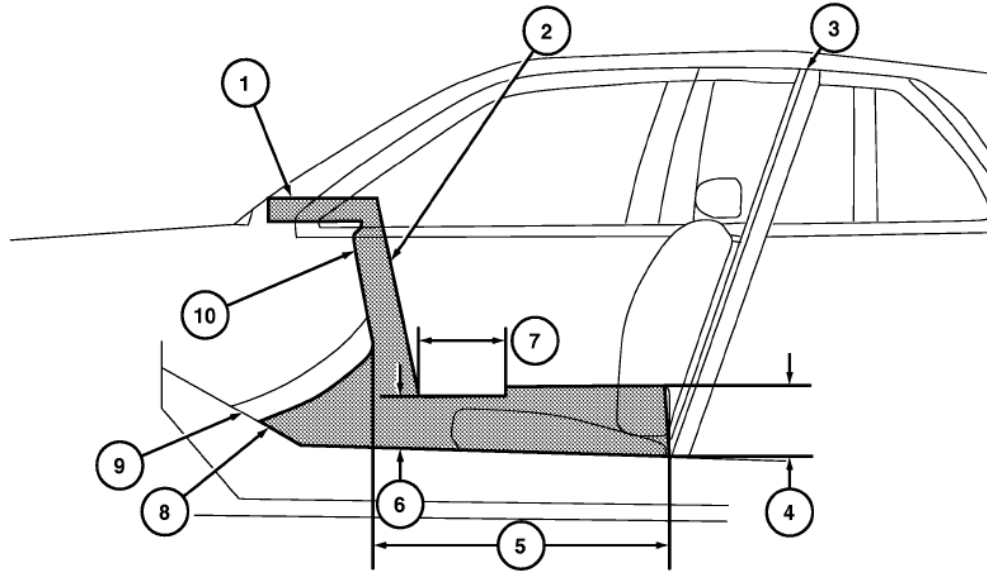
8. Area on tunnel beneath center console

9. Tunnel

10. Depth: 1.5 inches (38 mm)

SECTION 5: REFERENCE INFORMATION

Sedan Police Interceptor



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Figure 7.

- (1) Area on top of instrument panel
- (2) Area in front of center console from tunnel up to instrument panel
- (3) Prisoner screen (reference only)
- (4) 254 mm (10 in)
- (5) Area on tunnel between seats
- (6) Height: 216 mm (8.5 in)
- (7) 305 mm (12 in)
- (8) Area on tunnel beneath center console
- (9) Tunnel
- (10) Depth: 38 mm (1.5 in)

SECTION 5: REFERENCE INFORMATION

Sedan Police Interceptor

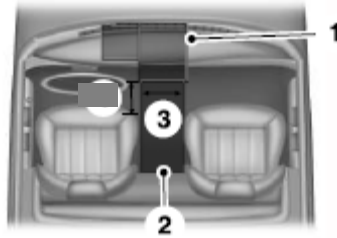


Figure 8

1. Area on top of instrument panel. **Equipment must not interfere with driver visibility.**
2. Area on tunnel between seats
3. 9 inches (229 mm)

DISPOSAL OF AIRBAGS AND AIRBAG EQUIPPED VEHICLES (INCLUDING PRETENSIONERS)

Contact your authorized dealer as soon as possible. Airbags MUST BE disposed of by qualified personnel.

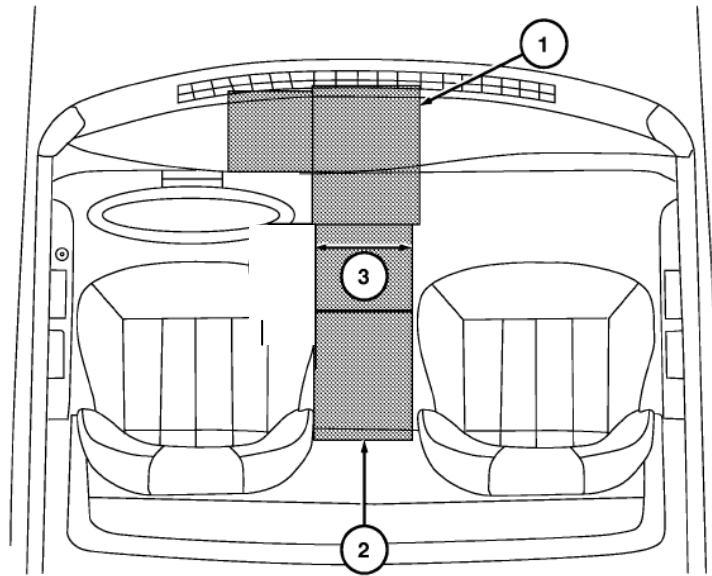
SOS POST-CRASH ALERT SYSTEM™

The system flashes the turn signal lamps and sounds the horn (intermittently) in the event of a serious impact that deploys an airbag (front, side, side curtain or Safety Canopy®) or the safety belt pretensioners.

The horn and lamps will turn off when:

- the hazard control button is pressed, or
- the vehicle runs out of power.

SECTION 5: REFERENCE INFORMATION



A0074664

Figure 8.

- (1) Area on top of instrument panel. **Equipment must not interfere with driver visibility.**
- (2) Area on tunnel between seats
- (3) 229 mm (9 in)

SECTION 5: REFERENCE INFORMATION

Utility Police Interceptor

Air bag and equipment mounting zone dimensions are approximate due to different air bag deployment characteristics.

Mount no equipment between the side of the front seat and the door trim that would block deployment of the side air bag.

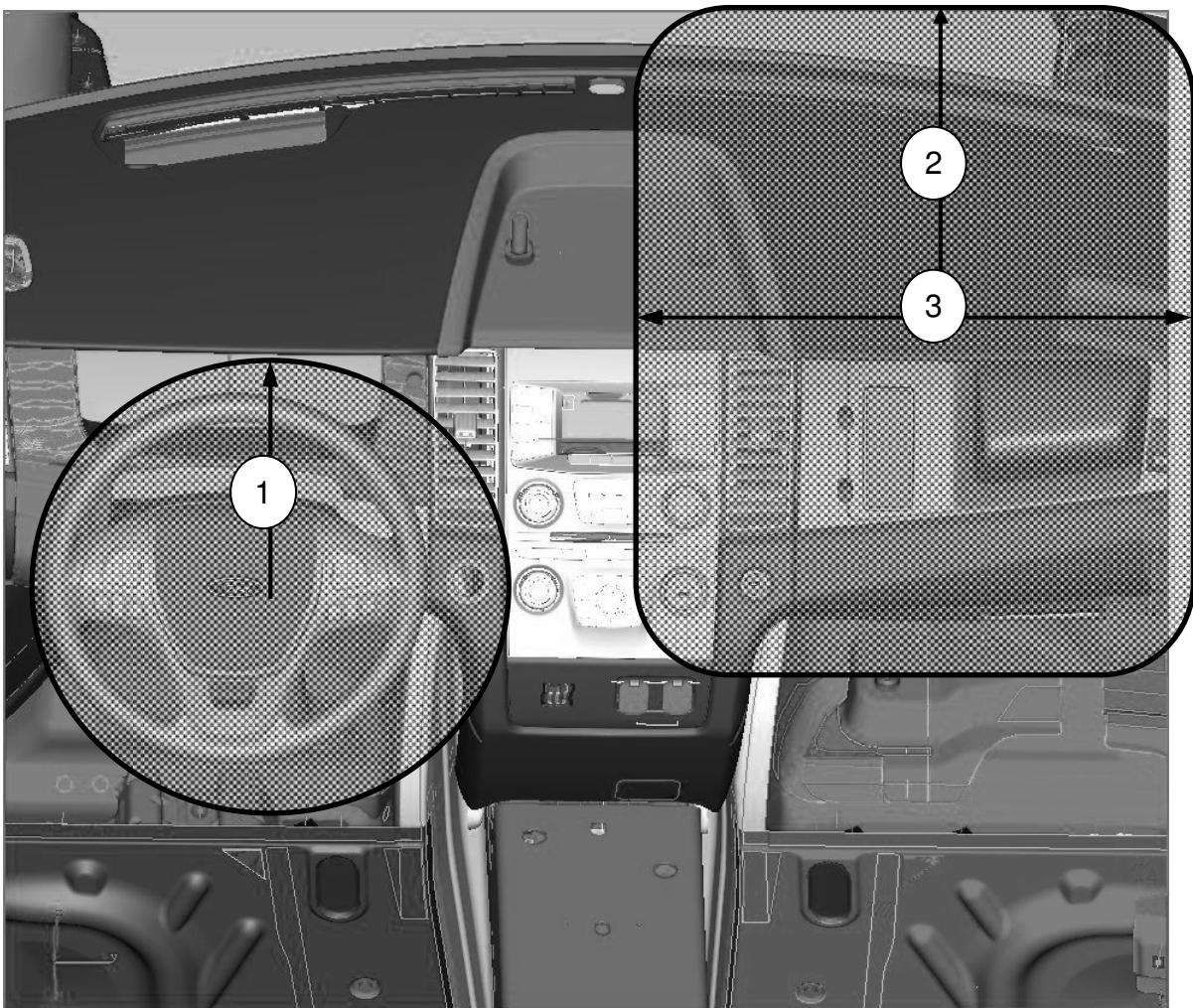
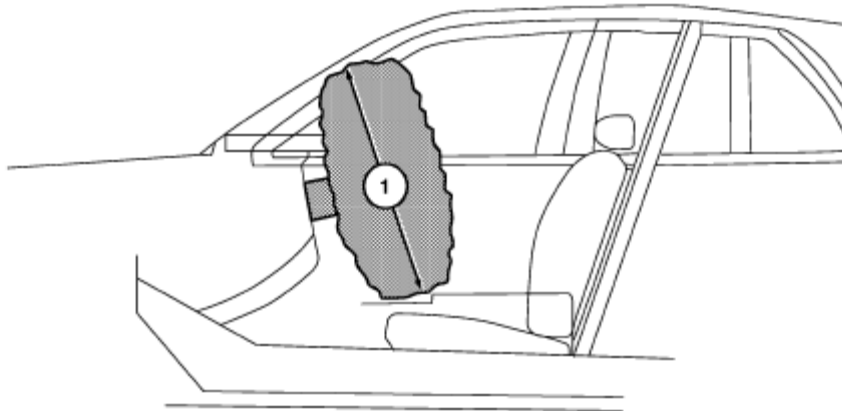


Figure 1

- (1) 240 mm (9.5 inches) from center of emblem
- (2) 500 mm (19.7 inches) from center of air bag door
- (3) 720 mm (28.3 inches)

SECTION 5: REFERENCE INFORMATION

Utility Police Interceptor



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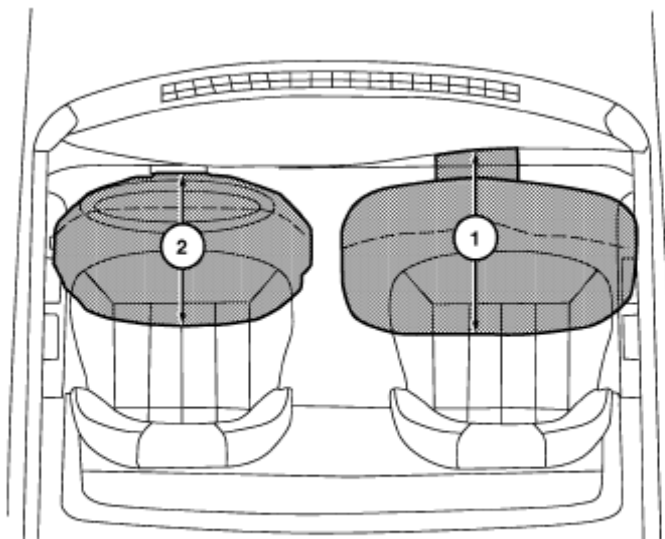
Figure 2.

Figure 2

(1) 700 mm (27.55 inches) (passenger side shown)

SECTION 5: REFERENCE INFORMATION

Utility Police Interceptor



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Figure 3.

Figure 3

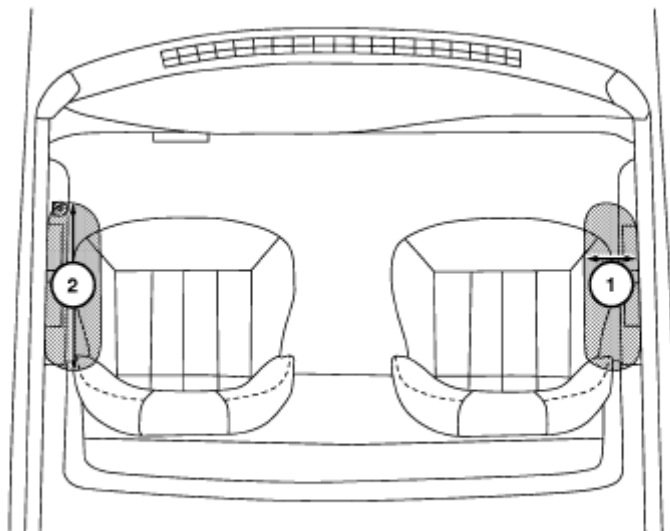
No objects should be placed between the driver side steering wheel air bag and the passenger side dash air bag.

(1) 580 mm (22.83 inches) front passenger air bag

(2) 430 mm (17 inches) front driver

SECTION 5: REFERENCE INFORMATION

Utility Police Interceptor



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Figure 4.

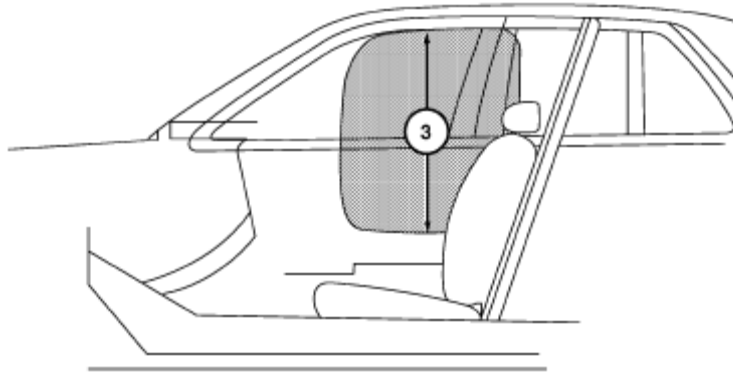
Figure 4

(1) 200 mm (8 inches) from outboard side of seat

(2) 380 mm (15 inches) forward of seat back

SECTION 5: REFERENCE INFORMATION

Utility Police Interceptor



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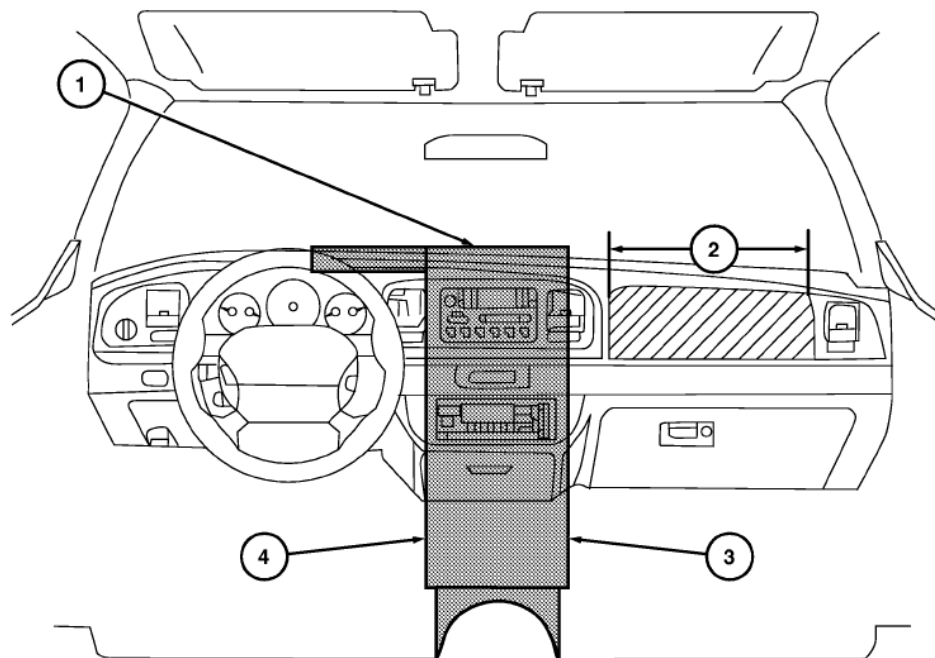
Figure 5.

Figure 5

(3) 700 mm (27.5 inches) up from side air bag module

SECTION 5: REFERENCE INFORMATION

Utility Police Interceptor



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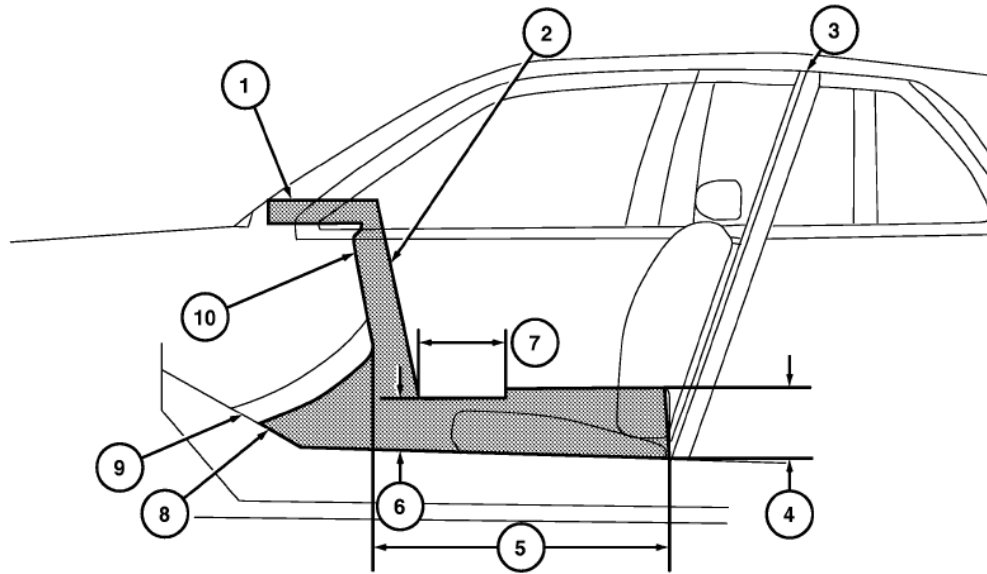
Figure 6.

Note: Figures 6 through 8 represent available police equipment mounting zones.

- (1) Area on top of instrument panel. **Equipment must not interfere with driver visibility.**
- (2) The air bag door must be kept clear for deployment of air bag.
- (3) Area in front of electronic finish panel from bottom to top of instrument panel.
- (4) 11 inches (279 mm) width horizontally centered on Electronic Finish Panel (EFP)

SECTION 5: REFERENCE INFORMATION

Utility Police Interceptor



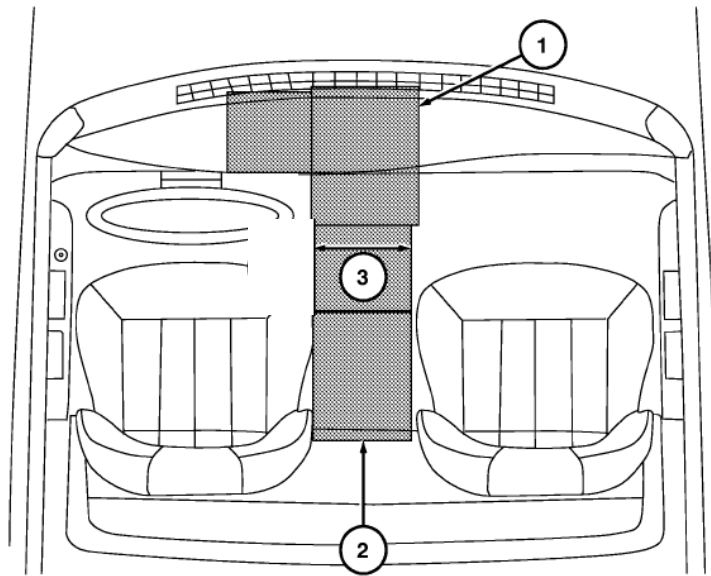
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Figure 7.

- (1) Area on top of instrument panel
- (2) Area in front of center console from tunnel up to instrument panel
- (3) Prisoner screen (reference only)
- (4) 254 mm (10 in)
- (5) Area on tunnel between seats
- (6) Height: 216 mm (8.5 in)
- (7) 305 mm (12 in)
- (8) Area on tunnel beneath center console
- (9) Tunnel
- (10) Depth: 55 mm (2.2 inches)

SECTION 5: REFERENCE INFORMATION

Utility Police Interceptor



A0074664

Figure 8.

(1) Area on top of instrument panel. **Equipment must not interfere with driver visibility.**

(2) Area on tunnel between seats

(3) 229 mm (9 in)

SECTION 5: REFERENCE INFORMATION

FUEL LINES - available 12/11

FUEL TANK - available 12/11

SHIELDS - available 12/11

BRAKE LINES - available 12/11

WIRE HARNESSSES - available 12/11