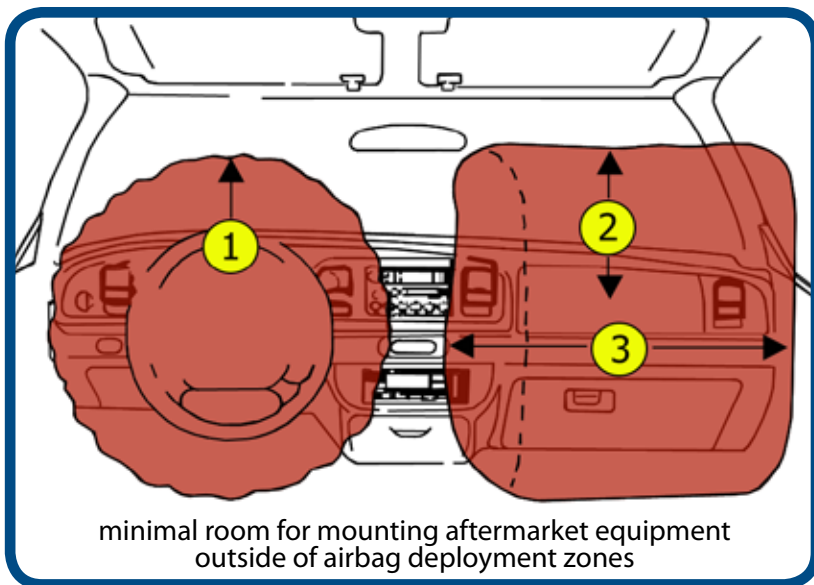


Gauging When to Install an AOI Airbag On/off Switch



minimal room for mounting aftermarket equipment outside of airbag deployment zones

OEM vehicle manufacturers do not recommend mounting aftermarket equipment within airbag deployment zones, due to the risk of them either damaging the airbag or becoming projectile objects in the event of an impact. Source Chevrolet Police Vehicles 2003, pg. 60 & Ford Motor Company, Fleet 2003, pg. 5

Side Curtain Airbags may create a different but just as hazardous scenario. Most new vehicles hitting the road today are equipped with side curtain airbags. While these airbags are rarely a hazard in normal operating vehicles, they can become dangerous when left active in police applications where a prisoner partition (that is not airbag compliant) or a roof mounted weapon rack has been installed.

Some prisoner partitions with hard wing protectors do not flex to allow the normal deployment of a side curtain air bags. The wing protector can be broken off and become projectile objects due to the force and rapid deploy of the airbag. Likewise, roof mounted weapon racks are usually mounted in the airbag deployment zone which can make them just as hazardous in the event of an accident.

Why turn off a vehicle airbag?

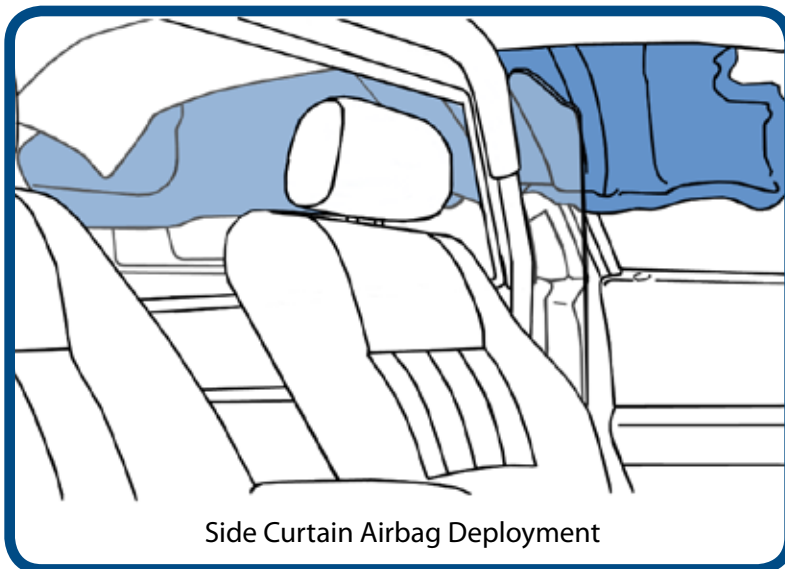
- Provide safety for the officer from propelled equipment
- Protect expensive aftermarket equipment such as laptops, video cameras, and radar guns from airbag destruction
- Eliminates conflicts between vehicle partitions (with hard wing protectors) and side curtain air bags
- Saves the replacement costs of an unnecessary airbag deployment
- Frees up valuable space on the dashboard and windshield area that can be safely utilized

Due to the rapid and forceful deploy of airbags, aftermarket equipment that is mounted in airbag deployment zones can quickly become projectile objects, in the event of an impact. A Pro-gard AOI Airbag On/off Switch can provide safety and peace of mind for vehicle operators against such situations.

In the event that this aftermarket equipment remains mounted during an impact, it can damage both the airbag and its effectiveness.

The installation of an AOI Airbag On/off Switch allows for the safe mounting of aftermarket equipment such as radar equipment, computers, and cameras within the airbag deployment zone. The switch can be turned on or off dependent upon the necessity. Off to protect valuable equipment, on to protect an occasional passenger.

AOI Airbag On/off Switches not only meet but exceed NHTSA regulations for airbag deactivation. Easy to use, it is simply turned on or off by a key. A yellow light clearly indicates whether the airbag is deactivated.



Side Curtain Airbag Deployment

For more information from vehicle manufacturers and government regulations, please visit these web links:

<http://www.gmfleet.com/government/>
www.fleet.chrysler.com/fleetcda/files/site1/type5/407_en_e_2006_up-fittersguide.pdf
NHTSA Switch Request Form
http://www.safercar.gov/staticfiles/DOT/safercar/pdf/ON-OFF_Switch_Request.pdf
Transport Canada Switch Request Form
http://www.tc.gc.ca/media/documents/roadsafety/13-0140_0712-06_bo-tp13178.pdf

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