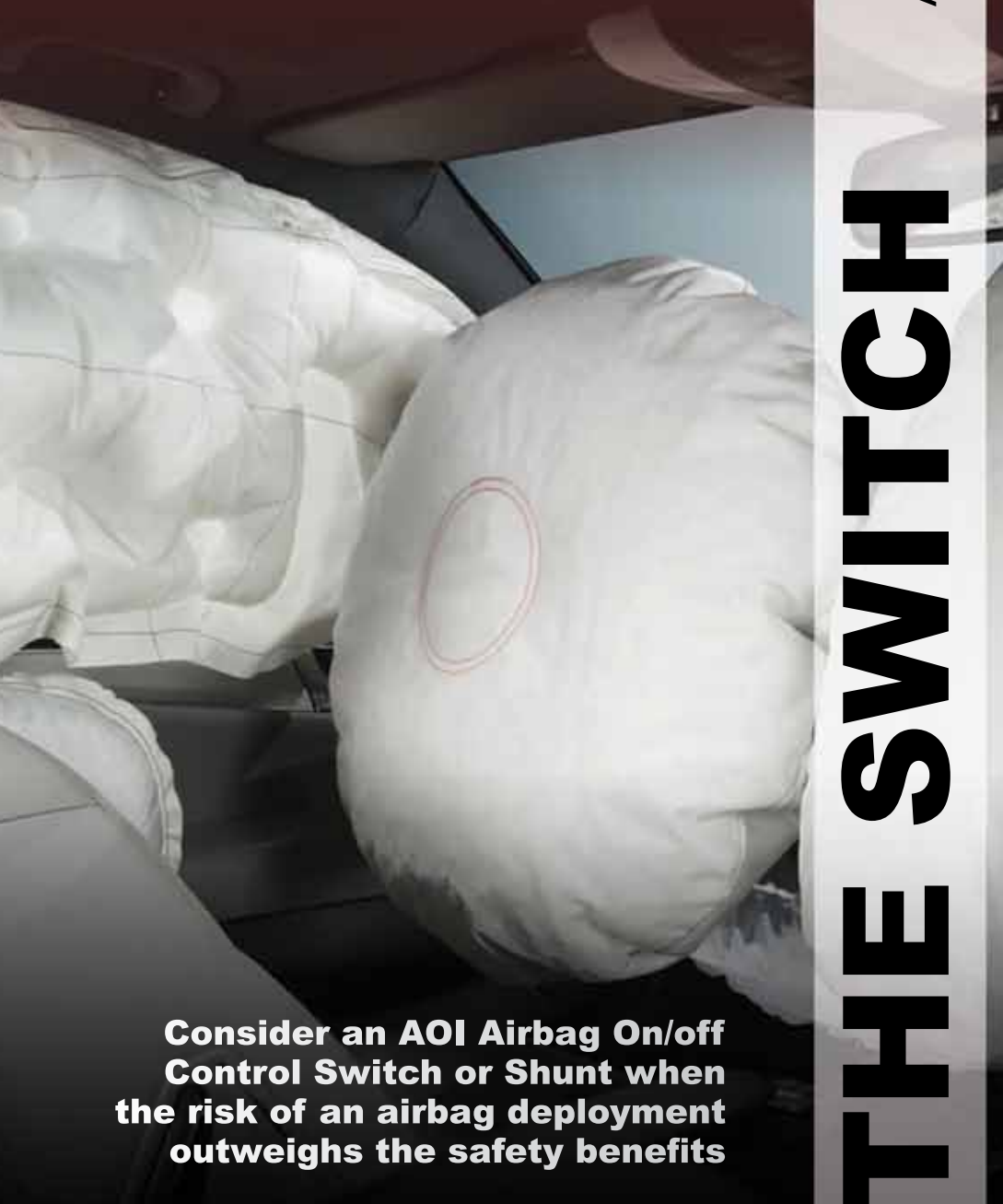


**Vehicle Airbags
are not designed
for every *body*.**



**Consider an AOI Airbag On/off
Control Switch or Shunt when
the risk of an airbag deployment
outweighs the safety benefits**



AOI Electrical, LLC
"The Switch"
A Piquard Products Company

Airbag On/off Control Switches
800.480.6680 • www.pro-gard.com

THE SWITCH

10 Inch Rule - Too Close Tool

...placing yourself 10 inches from your driver air bag provides you with a clear margin of safety. This distance is measured from the center of the steering wheel to your breastbone.¹

DETACH HERE

DETACH HERE

NHTSA will approve airbag deactivation in certain circumstances[‡]

Frontal Airbag Deactivation

When the risks associated with an occupant being seated in front of an active, frontal air bag outweigh the safety benefits, NHTSA will authorize* the installation of an air bag on/off switch.¹

FMVSS 208 provides detailed information regarding the deactivation of frontal and knee bolster airbags as well as modifier exemptions for the installation of these switches.

AOI Airbag On/off Control Switches meet and exceed all NHTSA specifications:

- The switch must work with the vehicle's OEM airbag readiness indicator light
- The switch must be key operated
- The switch must have a yellow light for the off position that is visible to the driver at all times

Knee Bolster Airbag Deactivation

If knee bolsters must be altered to accommodate mounting hand controls in the knee bolster airbag deployment zone, airbag deactivation is covered under FMVSS 208.

Side Curtain Airbag Deactivation

Presently, NHTSA does not require active side curtain airbags in passenger vehicles. Due to this, deactivation is solely up to the owner/operator if they feel that the risk of having active side curtain airbags outweigh the safety benefits.

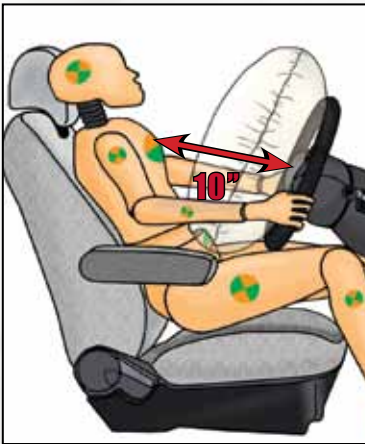
Mobility equipment dealers and installers in today's ever changing market feel secure knowing that AOI continues to provide innovative and superior airbag control on/off switches and deactivation shunts for the mobility vehicle industry. With the evolution of airbags, especially knee bolster, side impact, and side head curtain airbags, compatibility with aftermarket mobility products and occupant safety is of great concern to dealers and customers alike. As a National Mobility Equipment Dealers Association (NMEDA) manufacturer member; AOI provides effective airbag solutions while focusing on ease of installation and quality in design. AOI meets and exceeds all NHTSA requirements and is a NHTSA referred airbag control manufacturer.

AOI Airbag On/off Switches and Deactivation Shunts

Pro-gard's AOI Airbag On/off Control Switches and Airbag Deactivation Shunts provide safety and peace of mind for the vehicle operators or passengers against propelled equipment in the event of a crash. Mounted equipment in an airbag deployment zone puts vehicle occupants at risk. With the ability to deactivate an obstructed airbag, AOI switches and shunts can eliminate the possibility of aftermarket equipment being forced into the direction of the driver or passengers at the point of impact. Controlling the airbags also protects expensive equipment from destruction and frees up space for mounting additional equipment.

AOI SOLUTIONS FOR MOBILITY EQUIPMENT AIRBAG OBSTRUCTIONS

- **Steering Control Systems**
Driver Side On/off Switch or Shunt
- **Removal of Steering Wheel**
Driver Side Shunt
- **Hand Control Systems**
Knee Bolster Shunt
- **Assist Handles**
Side Curtain On/off Switch
- **Lift Systems**
Side Curtain On/off Switch
- **Removal of Airbag**
Driver or Passenger Side Shunt
- **Medical Condition**
Driver, Passenger, or Side Curtain On/off Switch
- **Reduced Diameter Steering Wheels**
Driver Side Shunt
- **Mounted Electronic Controls**
Driver or Passenger Side On/off Switch
- **Electronic Vehicle Controls**
Driver or Passenger Side On/off Switch
- **Access Products**
Side Curtain On/off Switch
- **Roof Extensions**
Side Curtain Shunt
- **Driver Position**
Driver Side On/off Switch



the 10" Rule

MEASURE THE DISTANCE BETWEEN THE CENTER OF THE BREASTBONE AND THE AIR BAG COVER, IF THE DISTANCE IS LESS THAN 10" THIS PERSON MAY BE AT RISK OF AIRBAG INJURIES

A term known as "the 10 Inch Rule" works off of a NHTSA air bag on/off switch qualification that states:

"To minimize the potential of any air bag related injury, NHTSA still recommends keeping a 10-inch minimum between the air bag cover (in the center of the steering wheel for drivers and on the dashboard for the right front passenger)"¹



MOBILITY EQUIPMENT SUCH AS HAND CONTROLS ARE TYPICALLY MOUNTED IN THE KNEE BOLSTER AIRBAG DEPLOYMENT ZONE. DEACTIVATING THIS AIRBAG IS RECOMMENDED TO ELIMINATE THE POSSIBILITY THAT THE FORCE OF AN AIRBAG DEPLOYMENT WILL CAUSE THE CONTROLS TO BREAK FREE AND BECOME PROJECTILES IN THE EVENT OF A CRASH.

¹<http://www.safercar.gov/Vehicle+Shoppers/Air+Bags/Overview>

²See FMVSS 208 and Title 49 of the Code of Federal Regulations, Part 595, Subpart B-Retrofit On-off Switches for Airbags for more information about NHTSA regulations for airbag deactivation

*Your situation may require written authorization from NHTSA to install and airbag on/off control switch. To find out more information, call NHTSA at 1.800.424.9393 or visit their web sites <http://safercar.gov/> & <http://NHTSA.com/>



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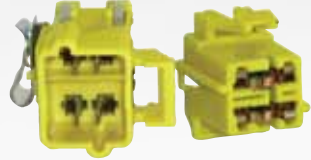
"The Switch"

A Pro-gard Products Company

AOI Airbag On/off Switches

use in applications where airbags need to be turned on or off for different passengers

- Meets, and exceeds federal requirements for airbag on/off control switches
- Patented, high intensity indicator lights - yellow for off and green for on to indicate when system is activated
- Easy "on-off" key switch operation, simply turn to off to deactivate airbag or on to make airbag active, allows for different people to occupy seats when necessary
- Highly visible advisory labels that meet NHTSA standards, provided with every switch
- Switches are tested to 100,000 cycles
- Patented design is available for dual or single stage airbags
- Plug-and-play adaptors mate with existing OEM connectors
- Integrates easily into vehicle's existing electrical system with universal connectors
- Easy installation
- Solid state, hand soldered connections and heat shrink insulated resistors that are silicone sealed to decrease potential circuit board and wiring failures
- Flexible, shielded, 22 gauge wire construction
- Optional Remote Status Lights are available when mounting the on/off switch in a hidden location is desired (such as underneath dash or in glove compartment)
- 1 year limited warranty
- Internal, sealed liability fuse offers the same liability protection as O.E.M. built airbag on/off switches



AOI Airbag Deactivation Shunts

use in applications where airbags need to be removed



- Allows the removal of any airbag without hindering performance of other remaining airbags
- Hand assembled from all new, molded parts, no reused components
- Heat shrink insulated resistors to decrease potential wiring failures
- Plug-and-play connectors that mate with existing OEM connectors
- Universal models available
- Easy, five minute installation

Pro-gard Products, LLC is proud to be a manufacturer member of these organizations:



When the risks associated with an occupant being seated in front of an active frontal airbag outweigh the safety benefits, NHTSA will authorize the installation of an airbag ON/OFF switch. Authorization will be granted under the following circumstances:

Conditions that NHTSA states qualify

‡ for disabling front driver airbags:

- SCOLIOSIS
- ACHONDROPLASIA
- DRIVERS WHO CANNOT CHANGE THEIR CUSTOMARY DRIVING POSITION AND KEEP 10 INCHES BETWEEN THE CENTER OF THE STEERING WHEEL AND THE CENTER OF THEIR BREASTBONE.
- PEOPLE WHOSE DOCTORS SAY THAT, DUE TO THEIR MEDICAL CONDITION, THE AIR BAG POSSES A SPECIAL RISK THAT OUTWEIGHS THE RISK OF HITTING THEIR HEAD, NECK OR CHEST IN A CRASH IF THE AIRBAG IS TURNED OFF.¹

front passenger airbags:

- SCOLIOSIS
- DOWN SYNDROME
- ATLANTOAXIAL INSTABILITY
- INFANT OR CHILD WITH A MEDICAL CONDITION WHO MUST RIDE IN THE FRONT SEAT SO THAT THEY CAN BE MONITORED
- PEOPLE WHO MUST TRANSPORT INFANTS RIDING IN REAR FACING INFANT SEATS IN THE FRONT PASSENGER SEAT.
- PEOPLE WHO MUST TRANSPORT CHILDREN AGES 1 TO 12 IN THE FRONT PASSENGER SEAT.
- PEOPLE WHOSE DOCTORS SAY THAT, DUE TO THEIR MEDICAL CONDITION, THE AIRBAG POSSES A SPECIAL RISK THAT OUTWEIGHS THE RISK OF HITTING THEIR HEAD, NECK OR CHEST IN A CRASH IF THE AIR BAG IS TURNED OFF. ¹
- POLICE FLEETS CAN OBTAIN A BLANKET EXEMPTION FROM NHTSA WHEN AFTERMARKET EQUIPMENT IS MOUNTED IN THE AIRBAG DEPLOYMENT ZONE**

knee bolster airbags:

- WHEN MOUNTING HAND CONTROL EQUIPMENT INTERFERES WITH KNEE BOLSTER AIRBAG DEPLOYMENT ZONES

¹See FMVSS 208 for more information about NHTSA regulations for airbag deactivation
^{**}NHTSA requires a letter of intent to be filed with their office for this exemption, see www.aolelectrical.com for a sample letter that departments can use to obtain permission to install front passenger on/off control switches



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