

SYSTEM DESCRIPTION

1. SRS (SUPPLEMENTAL RESTRAINT SYSTEM) AIRBAG SYSTEM

(a) General Description

- (1) The SRS airbag system consists of the following airbag and main components:

Airbag	Regular Cab Model	Access Cab Model	Double Cab Model
Driver Airbag	Standard	Standard	Standard
Front Passenger Airbag	Standard	Standard	Standard
Side Airbag	-	-	Option
Curtain Shield Airbag	-	-	Option

Main Components	Features
Center Airbag Sensor Assembly	<ul style="list-style-type: none"> Controls airbag deployment Activates dual stage control for driver and front passenger airbags Detects malfunctions in SRS airbag system
Occupant Classification ECU	Determines front passenger seat occupant conditions through occupant classification sensors
Front Airbag Sensor	Detect intensity of frontal collisions through electrical deceleration sensor
Side Airbag Sensor	Detect intensity of side collision through electrical deceleration sensor
Curtain Shield Airbag Sensors	Detect intensity of side rear collision through electrical deceleration sensor
Occupant Classification Sensors	Detect occupant weight on front passenger seat
Seat Position Sensor	Detects driver seat position
Seat Belt Buckle Switches	Detect whether or not seat belt fastened
Airbag ON/OFF Indicator	Illuminates ON or OFF light to indicate front and side passenger airbag deployment availability
SRS Warning Light	Illuminates to indicate existence of malfunctions in SRS airbag system
Airbag Cut-Off Switch	Prohibits deployment of front passenger airbag when switched to OFF

2. AIRBAG DEPLOYMENT

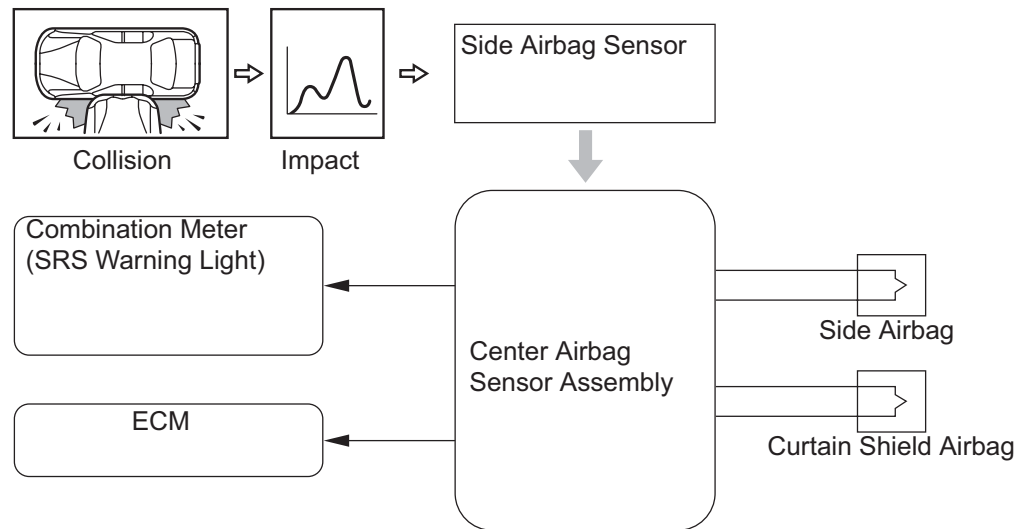
(a) Front Collisions

- (1) The driver and front passenger airbags are in case of frontal collisions. These airbags deploy by dual stage control. In order to activate dual stage control, the center airbag sensor assembly monitors the following information through the components shown in the table below:

Seat	Information	Models with Bench Seat	Models with Separate Seat
Driver	Intensity of Impact	Front Airbag Sensor (RH or LH)	Same As Left
Driver	Driver Seat Position	Seat Position Sensor	Same As Left
Driver	Seat Belt Position	Seat Belt Buckle Switches	Same As Left
Front Passenger	Intensity of Impact	Front Airbag Sensor (RH or LH)	Same As Left
Front Passenger	Occupant Weight	Occupant Classification Sensor	Four Occupant Classification Sensors
Front Passenger	Seat Belt Condition	Seat Belt Buckle Switches	Same As Left

(b) Side Collisions

- (1) The side and curtain shield airbags are in case of side collisions. The side airbags are installed in the seat backs of the driver seat and the front passenger seat, and the curtain shield airbags are installed in the upper areas of the right and left center pillars. If a side airbag sensor detects an impact, the airbag sensor assembly center causes the side and curtain shield airbags to be deployed simultaneously.

Airbag Deployment for Side Collisions:

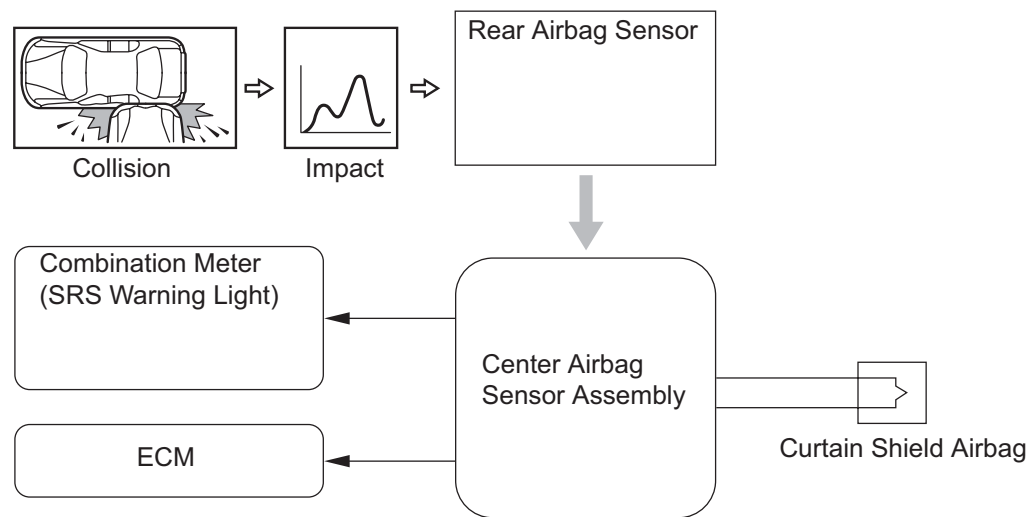
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(c) Rear Side Collisions

- (1) The curtain shield airbags are in case of rear side collisions. The curtain shield airbags are installed in the upper areas of the right and left center pillars. If a curtain shield airbag sensor detects an impact, the airbag sensor assembly center causes a curtain shield airbag to be deployed.

Airbag Deployment for Rear Side Collisions:



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