



Components Component code	Description	Reference to the assembly
B002	JUNCTION UNIT UNDER DASHBOARD	-
C015	DASHBOARD EARTH, DRIVER'S SIDE	-
C050	AIR BAG SYSTEM EARTH	-
D097	SHORT CIRCUITING COUPLING	-
D160	DASHBOARD/OPTIONAL DASHBOARD COUPLING	-
E050	INSTRUMENT PANEL	5560B
H001	IGNITION SWITCH	Op. 5520A IGNITION SWITCH
H075	PASSENGER AIR BAG DISABLING SWITCH	-
K066	SENSOR FOR DRIVER'S SIDE BAG	-
K067	SENSOR FOR PASSENGER SIDE BAG	-
M060	AIR BAG CONTROL UNIT	-
M120	Connect front panel	-
Q009	DRIVER'S AIR BAG	5580C
Q012	PASSENGER AIR BAG (OUTSIDE)	-
Q013	PASSENGER AIR BAG (CENTRE)	-
Q019	CENTRE FRONT SEAT BELT PRETENSIONER	-
Q020	DRIVER'S SEAT BELT PRETENSIONER	-
Q021	FRONT PASSENGER SEAT BELT PRETENSIONER	-
Q030	DRIVER'S SIDE BAG	-
Q031	PASSENGER SIDE BAG	-

Description

The vehicle is equipped with an electronically controlled safety system which, in the case of a frontal impact of a certain severity, activates the front Air Bags protecting the driver and the passenger. In the case of side impact of a certain severity, the front and rear Side Bags and a curtain-type Head Bag located on the front door pillar are activated. An electronic control unit manages the entire system controlling all the components and activating the Air Bag protection systems when necessary. An accelerometric sensor on the pillar of both front doors transmits a signal to the control unit in the case of a side impact. This signal is also processed inside the control unit, which may then decide to activate the Side Bags on the side where the impact was detected. The control unit is located in the middle of the facia and is secured rigidly to the body: in this way the deceleration sensors located inside the unit are near the centre of gravity and detect the deceleration for the entire vehicle accurately. The driver side air bag module is located in the middle of the steering wheel. It is fitted on a tilting plate that is also used to control the horns. The plate houses a metal container that contains the folded bag and the gas generation device that inflates the bag. A clock spring allows the connecting cables for the Air Bag module to follow the rotation of the steering wheel without danger of breaking. The passenger Air Bag module is located on the dashboard, and is fastened directly to the vehicle crossmember by means of a special bracket. The passenger air bag may be deactivated manually by means of a special switch on the facia. With the key OFF the control unit also controls activation of a special "passenger air bag disabled" warning light. The side bag is housed in the external part of the front seat. The associated sensor is located on the central pillar. The control unit is equipped with an autodiagnostic function: it detects and stores faults, it recognises the various components and the fault type; it indicates the onset of faults by means of warning lights. The activation of the system following a particularly serious impact is memorized by the control unit. The air bag control unit power supply is protected by a fuse in the under-facia junction unit. The air bag system may come in several configurations (containing more or fewer components) according to the vehicle specification. None of the specifications includes a driver's side bag and a pretensioner for the front central passenger seat belt.

Operational Description

Air Bag M060 consists of two connectors, A and B, with the following pin-outs: Connector A: pin 1: connection to earth C050; connector A; pin 5: connection with Connect M120 front panel for vehicle speed signal; pin 6: connection to tester input; pin 7: control of passenger air bag deactivation warning light on instrument panel E050 - pin 17; connector E -: when pins 10 and 11 of control unit M060 receives an air bag deactivation control from switch H075, the unit turns on the relevant warning light by supplying it with power; pin 8: control of air bag failure warning light on instrument panel E050 - pin 8; connector B -: the warning light is ignition-operated by a line protected by fuse F37 - housed in under-facia control unit B002 - and is turned on only if control unit M060 supplies an earth signal; pins 10 and 11: connection to passenger air bag deactivation switch H075; pin 12: ignition-operated power supply protected by fuse F50 located in under-facia control unit B002; pin 17, 18: connection to passenger air bag (central) Q013; pin 21, 22: connection to passenger air bag (external) Q012; pin 23, 24: connection to driver's air bag Q009. Connector B: pin 1, 2: connection to driver side front seat belt pretensioner Q020; pin 3, 4: connection to passenger side front seat belt pretensioner Q021; pin 5, 6: connection to central front seat belt pretensioner Q019 (if pretensioner fitted) or driver's side bag Q030 (if side bag fitted); pin 9, 10: connection to passenger side bag Q031; pin 17, 32: connection to earth C050; connector B; pin 24, 26: connection to sensor for driver's side bag, K066; pin 25, 27: connection to sensor for passenger side bag, K067.

Ducaton 2002 -2006 Sähköjohtojen värit

A - vaalean sininen

B - valkoinen

C - oranssi

G - keltainen

H - harmaa

L - sininen

M - ruskea

N - musta

R - punainen

S - vaalean punainen

V - vihreä

Z - violetti