

PASSIVE RESTRAINT SYSTEM INSPECTION

1995 Volvo 850

GENERAL INFORMATION

Passive Restraint System Inspection - European

* PLEASE READ THIS FIRST *

Follow all manufacturers servicing precautions when working with air bag systems. See SERVICE PRECAUTIONS in the appropriate AIR BAG RESTRAINT SYSTEM article in the ACCESSORIES/SAFETY EQUIPMENT section.

INTRODUCTION

When a vehicle equipped with passive restraint system has been involved in a collision, certain systems and components must be inspected and or replaced regardless of whether or not the air bag has deployed. Follow the manufacturer's guidelines provided in this article.

APPLICATION & INSPECTION

AIR BAG APPLICATION - ALFA ROMEO (1991-95)

AIR BAG APPLICATION TABLE - ALFA ROMEO (1991-95)

Model	Year	(1) Location
Spider	1991-94	DS
164	1995	D/P
	1991-94	DS

(1) - Location Definitions: D/P = Driver's & Passenger's Side,
DS = Driver's Side Only, SI = Side Impact.

INSPECTION PROCEDURES - ALFA ROMEO (1991-95)

INSPECTION PROCEDURES TABLE - ALFA ROMEO (1991-95)

Action	Component or System
Replace After Deployment	* Air Bag Module(s) * All Impact Sensors * Clockspring * Control Unit
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	* Knee Bolster * Seat Belts * Wiring Harness
Comments	* Proper operation of Air Bag system requires that any repair made to the vehicle structures return it to its original production configuration. * DO NOT attempt wiring repairs. * After vehicle is repaired, ensure AIR BAG

warning light is functioning properly.

AIR BAG APPLICATION - AUDI (1989-98)

AIR BAG APPLICATION TABLE - AUDI (1989-98)

Model	Year	(1) Location	Inspection Table
A6	1998	D/P, SI	AUDI-1
A4	1996-98	D/P	AUDI-2
A6	1995-97	D/P	AUDI-2
A8	1998	D/P	AUDI-2
Cabriolet	1995-98	D/P	AUDI-2
	1994	DS	AUDI-2
Coupe	1990-91	DS	AUDI-2
S4	1993-94	D/P	AUDI-2
	1992	DS	AUDI-2
S6	1995-96	D/P	AUDI-2
V8 Quattro	1993-94	D/P	AUDI-2
	1990-92	DS	AUDI-2
80 Series	1990-92	DS	AUDI-2
90 Series	1995	D/P	AUDI-2
	1990-94	DS	AUDI-2
100 Series	1993-94	D/P	AUDI-2
	1990-92	DS	AUDI-2
200 Series	1989-91	DS	AUDI-2

(1) - Location Definitions: D/P = Driver's & Passenger's Side,
DS = Driver's Side Only, SI = Side Impact.

INSPECTION PROCEDURES - AUDI (1989-98)

INSPECTION PROCEDURES TABLE - AUDI-1

Action	Component or System
Replace After Deployment	<ul style="list-style-type: none"> * Air Bag Module(s) * Side Air Bag Crash Sensors * Passenger-Side Air Bag Module Supports * Seat Backrest Padding * Spiral Spring With Slip Ring * Air Bag Control Module * Seat Belt Tensioners
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	<ul style="list-style-type: none"> * Seat Belts
Comments	<ul style="list-style-type: none"> * If any components are damaged or bent, they must be replaced. * After vehicle is repaired, ensure AIR BAG warning light is functioning properly. * Manufacturer recommends replacing main Air Bag system components (driver & passenger side modules, spiral spring & control unit) every 14 years. * After replacing air bag module(s) or air bag control module, attach supplied

	stickers (only tear-off strips) to registration card and send to manufacturer.
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INSPECTION PROCEDURES TABLE - AUDI-2

Action	Component or System
Replace After Deployment	<ul style="list-style-type: none"> * Air Bag Module(s) * Dash Panel (A4, A6, S4, S6 & 100) * Spiral Spring * Air Bag Control Module * Front Seat Belts * Upper Dash Panel (V8 Quattro)
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	<ul style="list-style-type: none"> * Energy Reserve Module (1989-93 Models Only) * Seat Belts * Voltage Transformer (1989-93 Models Only) * Wiring Harness
Comments	<ul style="list-style-type: none"> * If any components are damaged or bent, they must be replaced. * After vehicle is repaired, ensure AIR BAG warning light is functioning properly. * Manufacturer recommends replacing main Air Bag system components (driver & passenger side modules, spiral spring & control unit) every 15 years.

AIR BAG APPLICATION - BMW (1986-98)

AIR BAG APPLICATION TABLE - BMW (1986-98)

Model	Year	(1) Location	Inspection Table
L7	1986-87	DS	BMW-2
M3	1998	D/P, SI	BMW-1
	1995-97	D/P	BMW-1
	1990-91	DS	BMW-2
M5	1990-93	DS	BMW-2
Z3 Roadster	1996-98	D/P	BMW-1
3 Series	1998	D/P, SI	BMW-1
	1994-97	D/P	BMW-1
	1990-93	DS	BMW-2
5 Series	1998	D/P, SI, HI	BMW-1
	1997	D/P, SI	BMW-1
	1994-95	D/P	BMW-1
	1989-93	DS	BMW-2
6 Series	1989	DS	BMW-2
7 Series	1998	D/P, SI, HI	BMW-1
	1997	D/P, SI	BMW-1
	1993-96	D/P	BMW-1
	1988-92	DS	BMW-2
8 Series	1993-97	D/P	BMW-1
	1991-92	DS	BMW-2

(1) - Location Definitions: D/P = Driver's & Passenger's Side, DS = Driver's Side Only, SI = Side Impact, HI = Head Impact.

INSPECTION PROCEDURES - BMW

INSPECTION PROCEDURES TABLE - BMW-1

Action	Component or System
Replace After Deployment	<ul style="list-style-type: none"> * Air Bag Module(s) * Control Unit (After Third Deployment) * Seat Belt Pretensioners
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	<ul style="list-style-type: none"> * Clockspring * Control Unit * Knee Bolster * Seat Belts * Seat Belt Pretensioners * Steering Column * Steering Wheel * Wiring Harness
Comments	<ul style="list-style-type: none"> * DO NOT service/repair any components or wiring. If components or wiring are damaged or defective, replacement is necessary. * After vehicle is repaired, ensure AIR BAG warning light is functioning properly.

INSPECTION PROCEDURES TABLE - BMW-2

Action	Component or System
Replace After Deployment	<ul style="list-style-type: none"> * Air Bag Module * All Impact Sensors * Clockspring * Control Unit * Energy Tensioning Retractor (ETR)
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	<ul style="list-style-type: none"> * Knee Bolster * Seat Belts * Steering Column * Steering Wheel * Wiring Harness
Comments	<ul style="list-style-type: none"> * DO NOT service/repair any components or wiring. If components or wiring are damaged or defective, replacement is necessary. * After vehicle is repaired, ensure AIR BAG warning light is functioning properly.

AIR BAG APPLICATION - JAGUAR (1990-98)

AIR BAG APPLICATION TABLE - JAGUAR (1990-98)

Model	Year	(1) Location	Inspection Table
XJ Series	1998	D/P, SI	JAGUAR-1
XK8	1998	D/P	JAGUAR-1
	1997	D/P	JAGUAR-2
XJR	1995-97	D/P	JAGUAR-2
XJS	1994-96	D/P	JAGUAR-2
	1990-93	DS	JAGUAR-2

Model	Year	(1) Location
Discovery	1995-98	D/P
Range Rover	1995-98	D/P

(1) - Location Definitions: D/P = Driver's & Passenger's Side,
DS = Driver's Side Only, SI = Side Impact.

INSPECTION PROCEDURES - LAND ROVER (1995-98)

INSPECTION PROCEDURES TABLE - LAND ROVER (1995-98)

Action	Component or System
Replace After Deployment	* Air Bag Module(s) * Air Bag Diagnostic Control Unit * Air Bag Wiring Harness * Crash Sensor * Rotary Coupler
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	* Air Bag Module & Mounting Surface * Crash Sensor & Mounting Bracket * Steering Column & Wheel * Wiring Harness & Connectors
Comments	* After vehicle is repaired, ensure AIR BAG warning light is functioning properly.

AIR BAG APPLICATION - MERCEDES-BENZ (1986-98)

AIR BAG APPLICATION TABLE - MERCEDES-BENZ (1986-98)

Model	Year	(1) Location	Inspection Table
C Class	1998	D/P, SI	MERCEDES-1
	1994-97	D/P	MERCEDES-1
E Class	1996-98	D/P, SI	MERCEDES-1
	1994-95	D/P	MERCEDES-1
S Class	1997-98	D/P, SI	MERCEDES-1
	1994-96	D/P	MERCEDES-1
SL Class	1996-98	D/P, SI	MERCEDES-1
	1994-95	D/P	MERCEDES-1
CLK 320	1998	D/P, SI	MERCEDES-1
SLK 230	1998	D/P, SI	MERCEDES-1
190D/E	1986-93	DS	MERCEDES-2
260E	1989	D/P	MERCEDES-2
	1987-88	DS	MERCEDES-2
300CE/D/E	1989-93	D/P	MERCEDES-2
	1986-88	DS	MERCEDES-2
300SD/SDL	1989-93	D/P	MERCEDES-2
	1986-88	DS	MERCEDES-2
300SE/SEL	1989-93	D/P	MERCEDES-2
	1986-88	DS	MERCEDES-2
300SL	1990-93	D/P	MERCEDES-2
300TD/TE	1989-93	D/P	MERCEDES-2
	1987-88	DS	MERCEDES-2
350SD/SDL	1990-91	D/P	MERCEDES-2
400E/SE	1992-93	D/P	MERCEDES-2
400SEL	1992-93	D/P	MERCEDES-2

420SEL	1989-91	D/P	MERCEDES-2
	1986-88	DS	MERCEDES-2
500E/SEC	1990-93	D/P	MERCEDES-2
500SEL/SL	1990-93	D/P	MERCEDES-2
560SEC	1989-91	D/P	MERCEDES-2
560SEL/SL	1989-91	D/P	MERCEDES-2
560SEC	1986-88	DS	MERCEDES-2
560SEL/SL	1986-88	DS	MERCEDES-2
600SEC	1992-93	D/P	MERCEDES-2
600SEL/SL	1992-93	D/P	MERCEDES-2

(1) - Location Definitions: D/P = Driver's & Passenger's Side,
DS = Driver's Side Only, SI = Side Impact.

INSPECTION PROCEDURES - MERCEDES-BENZ (1986-98)

INSPECTION PROCEDURES TABLE - MERCEDES-1

Action	Component or System
Replace After Deployment	<ul style="list-style-type: none"> * Air Bag Module(s) * ETR Seat Belt Assemblies Which Have Deployed * Instrument Panel (1) * Passenger Side Air Bag Installation Frame (2) * SRS Control Unit (After Third Deployment) * Steering Wheel (2) * Crash Shut-Off Relay (3)
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	<ul style="list-style-type: none"> * Any Parts Which Fault Codes Show Are Faulty * Instrument Panel * SRS Mounting Brackets & Location * SRS Wiring Harness
Comments	<ul style="list-style-type: none"> * DO NOT attempt SRS wiring harness repairs. * In the event of any collision, sidebags and sensors should be inspected and replaced if damaged or deployed.
<p>(1) - If passenger side Air Bag deployed, replace instrument panel (C Class, E Class, SL Class, CLK 320, SLK 230). (2) - Except 1994 C Class. (3) - SLK 230 only.</p>	

INSPECTION PROCEDURES TABLE - MERCEDES-2

Action	Component or System
Replace After Deployment	<ul style="list-style-type: none"> * Air Bag Module(s) * ETR Seat Belt Assemblies Which Have Deployed * SRS Control Unit
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	<ul style="list-style-type: none"> * Any Parts Which Fault Codes Show Are Faulty * Instrument Panel * SRS Mounting Brackets & Location * SRS Wiring Harness

Comments	* DO NOT attempt SRS wiring harness repairs.
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AIR BAG APPLICATION - PORSCHE (1987-98)

AIR BAG APPLICATION TABLE - PORSCHE (1987-98)

Model	Year	(1) Location
Boxster	1998	D/P, SI
	1997	D/P
911 Series	1990-98	D/P
928 Series	1990-95	D/P
944 Series	1987-92	D/P
968 Series	1992-95	D/P

(1) - Location Definitions: D/P = Driver's & Passenger's Side,
DS = Driver's Side Only, SI = Side Impact.

INSPECTION PROCEDURES - PORSCHE (1987-98)

INSPECTION PROCEDURES TABLE - PORSCHE

Action	Component or System
Replace After Deployment	* Air Bag Module(s) * Contact Ring * Control Unit (1) * Crash Sensors
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	* Knee Bolster * Mounting Brackets * Passenger Side Air Bag Door/Upper Dash * Seat Belts * Wiring Harness
Comments	* DO NOT attempt SRS wiring repairs.
(1) - On Boxster, replace after third deployment.	

AIR BAG APPLICATION - SAAB (1989-98)

AIR BAG APPLICATION TABLE - SAAB (1989-98)

Model	Year	(1) Location	Inspection Table
900	1994-98	D/P	SAAB-1
	1990-93	DS	SAAB-2
9000	1995-98	D/P	SAAB-1
	1994	D/P	SAAB-3
	1989-93	DS	SAAB-3

(1) - Location Definitions: D/P = Driver's & Passenger's Side,
DS = Driver's Side Only, SI = Side Impact.

INSPECTION PROCEDURES - SAAB (1989-98)

INSPECTION PROCEDURES TABLE - SAAB-1

Action	Component or System
Replace After Deployment	<ul style="list-style-type: none"> * Air Bag Module(s) * Clockspring * Knee Bolster * Seat Belt Tensioners * Seat Belts In Use At Time Of Collision * SRS Control Unit * Steering Column * Steering Wheel
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	<ul style="list-style-type: none"> * System Wiring * Windshield
Comments	<ul style="list-style-type: none"> * Never splice SRS wiring. * Damaged insulation can be replaced if copper conductor wire is undamaged.

INSPECTION PROCEDURES TABLE - SAAB-2

Action	Component or System
Replace After Deployment	<ul style="list-style-type: none"> * Air Bag Module * Clockspring * Front Sensors * Seat Belts In Use At Time Of Coliision * SRS Control Unit
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	<ul style="list-style-type: none"> * Front Sensor Brackets * Steering Column & Shaft * System Wiring * Windshield
Comments	<ul style="list-style-type: none"> * Never splice SRS wiring. * Damaged insulation can be replaced if copper conductor wire is undamaged.

INSPECTION PROCEDURES TABLE - SAAB-3

Action	Component or System
Replace After Deployment	<ul style="list-style-type: none"> * Air Bag Module(s) * Clockspring * Front Sensors * Seat Belt Tensioner (Passenger) * SRS Control Unit
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	<ul style="list-style-type: none"> * Knee Bolster * Sensor Brackets * Steering Column * Steering Column Bracket * Steering Column Shaft * System Wiring

Comments	<ul style="list-style-type: none"> * Never splice SRS wiring. * Damaged insulation can be replaced if copper conductor wire is undamaged.
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AIR BAG APPLICATION - VOLKSWAGEN (1990-98)

AIR BAG APPLICATION TABLE - VOLKSWAGEN (1990-98)

Model	Year	(1) Location	Inspection Table
Cabrio	1995-98	D/P	VW-1
Cabriolet	1990-93	DS	VW-2
Golf	1994-98	D/P	VW-1
GTI	1995-98	D/P	VW-1
Jetta	1994-98	D/P	VW-1
New Beetle	1998	D/P	VW-1
Passat	1995-98	D/P	VW-1

(1) - Location Definitions: D/P = Driver's & Passenger's Side,
DS = Driver's Side Only, SI = Side Impact.

INSPECTION PROCEDURES - VOLKSWAGEN (1990-98)

INSPECTION PROCEDURES TABLE - VW-1

Action	Component or System
Replace After Deployment	<ul style="list-style-type: none"> * Air Bag Module(s) * Control Unit * Control Unit Mounting Bracket * Seat Belts In Use At Time Of Collision * Spiral Spring
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	<ul style="list-style-type: none"> * Wiring Harness
Comments	<ul style="list-style-type: none"> * If any components are damaged or bent, they must be replaced. * DO NOT attempt SRS wiring repairs. * Air Bag system can only be tested using Diagnostic Tester (VAG-1551) and Multimeter (US-1119). * Replacement Year & Month appear on a sticker located on driver side sun visor. If sun visor is replaced, SRS replacement information must be transferred to the new sun visor.

INSPECTION PROCEDURES TABLE - VW-2

Action	Component or System
Replace After Deployment	<ul style="list-style-type: none"> * Air Bag Module * Control Unit * Deceleration Sensors (2) * Impact Sensors

	<ul style="list-style-type: none"> * Spiral Spring * Triggering Unit
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	<ul style="list-style-type: none"> * Wiring Harness
Comments	<ul style="list-style-type: none"> * If any components are damaged or bent, they must be replaced. * DO NOT attempt SRS wiring repairs. * Air Bag system can only be tested using Diagnostic Tester (VAG- 1551) and Multimeter (US-1119). * Replacement Year & Month appear on a sticker located on driver side sun visor. If sun visor is replaced, SRS replacement information must be transferred to the new sun visor.

AIR BAG APPLICATION - VOLVO (1987-98)

AIR BAG APPLICATION TABLE - VOLVO (1987-98)

Model	Year	(1) Location	Inspection Table
Coupe	1991	DS	VOLVO-2
C70 Coupe/ S70/V70	1998	D/P, SI	VOLVO-1
C70 Convertible ..	1998	D/P	VOLVO-1
S90/V90	1998	D/P	VOLVO-1
240 Series	1990-93	DS	VOLVO-2
740 Series	1987-92	DS	VOLVO-2
760 Series	1987-90	DS	VOLVO-2
780 Series	1987-90	DS	VOLVO-2
850 Series	1995-96	D/P, SI	VOLVO-1
	1993-94	D/P	VOLVO-1
940 Series	1994-95	D/P	VOLVO-1
	1991-93	DS	VOLVO-1
960 Series	1996	D/P, SI	VOLVO-1
	1993-95	D/P	VOLVO-1
	1992	DS	VOLVO-1

(1) - Location Definitions: D/P = Driver's & Passenger's Side,
DS = Driver's Side Only, SI = Side Impact.

INSPECTION PROCEDURES - VOLVO (1987-98)

INSPECTION PROCEDURES TABLE - VOLVO-1

Action	Component or System
Replace After Deployment	<ul style="list-style-type: none"> * Air Bag Module(s) * Contact Reel * Initiation Wiring To Passenger Module * Seat Belt Units * Sensor Module (1) * Steering Wheel * SIPS (Sensor Module, Ignition Circuit)

	& Bag Module)
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	<ul style="list-style-type: none"> * Dashboard & Frame * Dashboard Speakers * Knee Bolsters & Brackets * Panels Under Dashboard * Windshield & Moulding
Comments	<ul style="list-style-type: none"> * DO NOT attempt SRS wiring repairs. * Visually inspect SIPS & seats in event of minor collisions without deployment.
(1) - Replace if fault code cannot be erased or if there is damage in the area of the Sensor Module.	

INSPECTION PROCEDURES TABLE - VOLVO-2

Action	Component or System
Replace After Deployment	<ul style="list-style-type: none"> * Air Bag Module * Contact Reel * Crash Sensor * Seat Belt Tensioners (If Equipped) * Steering Wheel
Inspect & If Damaged, Replace Component (Even If Air Bag Did Not Deploy)	<ul style="list-style-type: none"> * Crash Sensor Mounting Bracket * Wiring Harness
Comments	<ul style="list-style-type: none"> * DO NOT attempt SRS wiring repairs. * If fault code 1 is displayed, the crash sensor must be replaced.